



**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 by Pande Pane  
11520 SW 120 Street  
Miami, FL 33176**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "SMI-175" Aluminum Window Wall System**

**APPROVAL DOCUMENT:** Drawing No. **WO3-64**, titled "Series SMI-175 Alum Window Wall (L.M.I.)", sheets 1 through 7 of 7, dated 8/11/03 with revision on 10/23/03, signed and sealed by Humayoun Farooq, 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**

**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 # 02-0927.10**, and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**

4/10/2003 

**NOA No 03-0925.01  
Expiration Date: November 21, 2007  
Approval Date: December 04, 2003  
Page 1**

**Smith Mountain Impact Systems by Pande Pane**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **WO3-64**, titled "Series SMI-175 Alum Window Wall (L.M.I.)", sheets 1 through 7 of 7, dated 8/11/03 with revision on 10/23/03, 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 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 3721** dated 03/26/03, signed and sealed by Joseph Chan, 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 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 3833** dated 08/05/03, signed and sealed by Joseph Chan, 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 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 3465** dated 7/17/02, signed and sealed by James Worth, P.E.  
**"Submitted under NOA#02-0927.10"**

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0925.01

Expiration Date: November 21, 2007

Approval Date: December 04, 2003

**Smith Mountain Impact Systems by Pande Pane**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by Bromley-Cook Engineering, Inc., dated 11/24/02, signed and sealed by William Cook, P.E.  
**“Submitted under NOA#02-0927.10”**
2. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation, dated 08/30/03, signed and sealed by Humayoun Farooq, P.E.
3. Complies with ASTM-E1300-98

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **99-0302.04** issued to UCB Chemicals Corporation for “Uvekol Liq. Resin to adhere to Glass” dated 2/8/01, expiring on 2/8/04.  
**“Submitted under NOA#02-0927.10”**
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.

**E. QUALITY ASSURANCE**

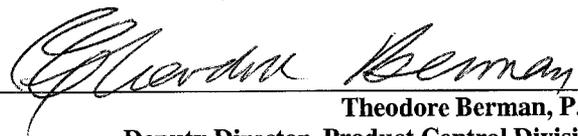
1. Miami Dade County Building Code Compliance Office.

**F. STATEMENTS**

1. Statement letter of no financial interest, dated 11/23/02, signed and sealed by William Cook, P.E.
2. Laboratory compliance letter for Test Report no. FTL 02051, issued by Fenestration Testing Laboratory, Inc., dated 8/8/02, signed and sealed by James Worth, P.E.
3. Laboratory compliance letter for Test Report no. FTL 3721 issued by Fenestration Testing Laboratory, Inc., dated 4/15/03, signed and sealed by Joseph Chan, P.E.
4. Laboratory compliance letter for Test Report no. FTL 3833 issued by Fenestration Testing Laboratory, Inc., dated 8/7/03, signed and sealed by Joseph Chan, P.E.

**G. OTHER**

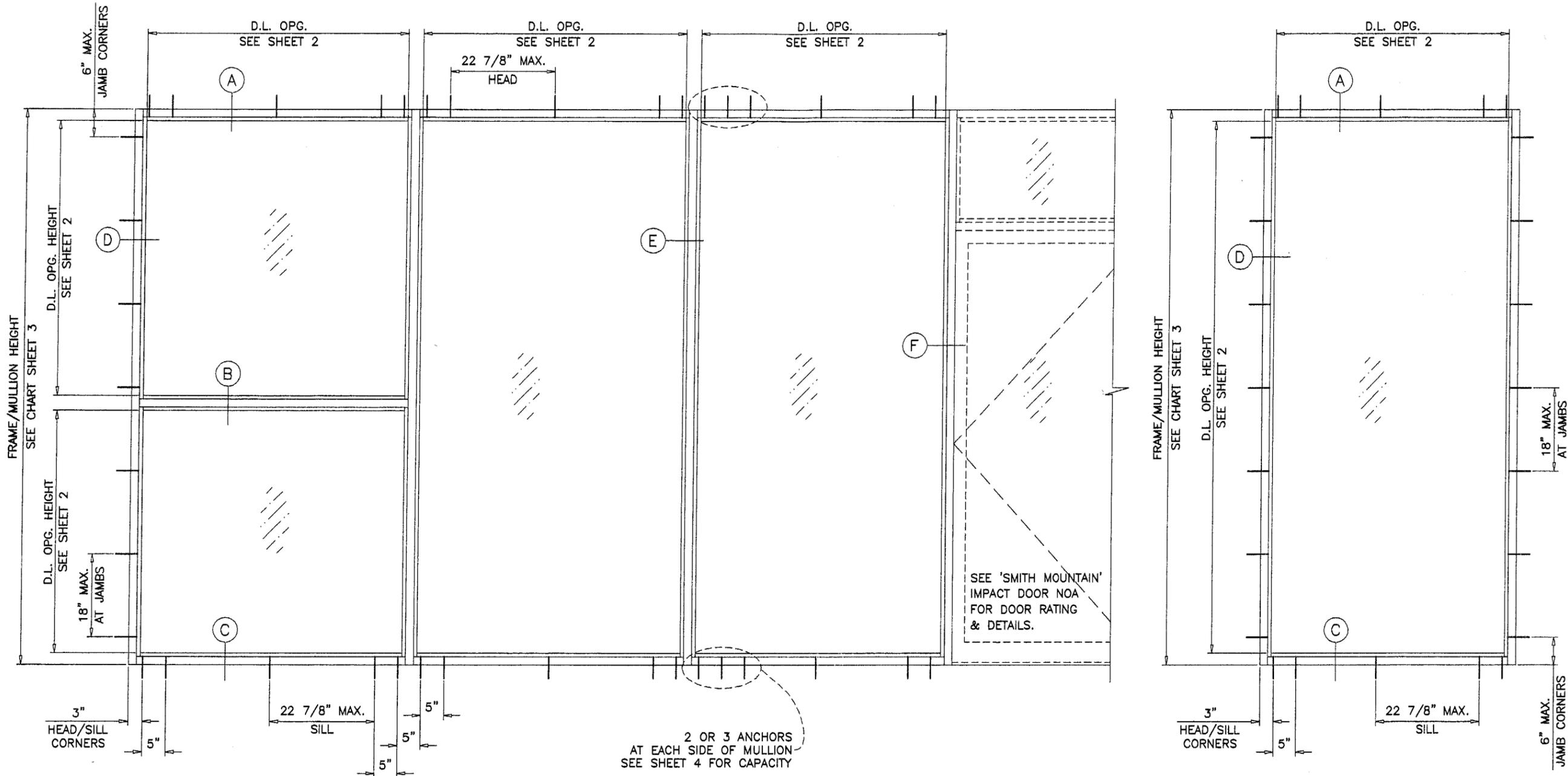
1. Notice of Acceptance No. **02-0927.10** Smith Mountain Impact System by Pande Pane, Series “SMI-175” Aluminum Window Wall System, approved on 11/21/02 and expiring on 11/21/07.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (F.B.C.).

  
Theodore Berman, P.E.

Deputy Director, Product Control Division  
NOA No 03-0925.01

Expiration Date: November 21, 2007

Approval Date: December 04, 2003



TYPICAL ELEVATIONS

**SERIES SMI-175 ALUM WINDOW WALL**

STOREFRONT SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

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. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING 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. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

*[Signature]*

OCT 23 2003

**PRODUCT REVIEWED**  
as complying with the Florida  
Building Code  
Acceptance No 03-0925-01  
Expiration Date 11/21/07

By *[Signature]*  
Miami Dade Product Control  
Division

**afsc**

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W03-64SM

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**SERIES SMI-175 ALUM WINDOW WALL (L.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
A	10.23.03		NO CHANGE THIS SHEET

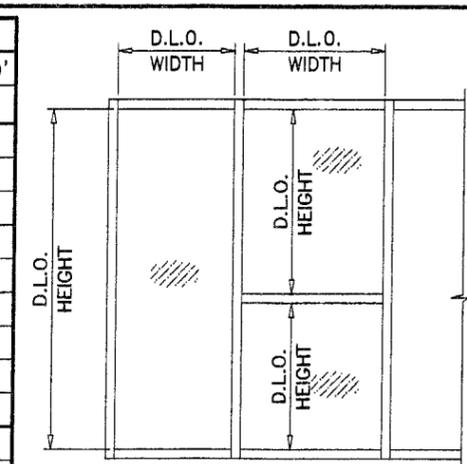
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scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W03-64**

sheet 1 of 7

GLASS LOAD CAPACITY - PSF									
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
20"	74"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
32"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
38"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
44"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
50"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
56"		59.2	59.2	-	-	90.0	100.0	90.0	100.0
60"		55.2	55.2	-	-	90.0	100.0	90.0	100.0
66"		-	-	-	-	90.0	100.0	90.0	100.0
20"	80"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
32"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
44"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
50"		62.1	62.1	-	-	90.0	100.0	90.0	100.0
56"		54.7	54.7	-	-	90.0	100.0	90.0	100.0
60"		-	-	-	-	90.0	100.0	90.0	100.0
66"		-	-	-	-	90.0	94.8	90.0	100.0
20"	86"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
32"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
44"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
50"		58.2	58.2	-	-	90.0	100.0	90.0	100.0
56"		-	-	-	-	90.0	100.0	90.0	100.0
60"		-	-	-	-	90.0	96.6	90.0	100.0
66"		-	-	-	-	88.5	88.5	90.0	99.3
20"	92"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
32"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
44"		63.0	63.0	-	-	90.0	100.0	90.0	100.0
50"		54.6	54.6	-	-	90.0	100.0	90.0	100.0
56"		-	-	-	-	90.0	96.3	90.0	100.0
60"		-	-	-	-	90.0	90.0	90.0	100.0
66"		-	-	-	-	82.6	82.6	90.0	92.5

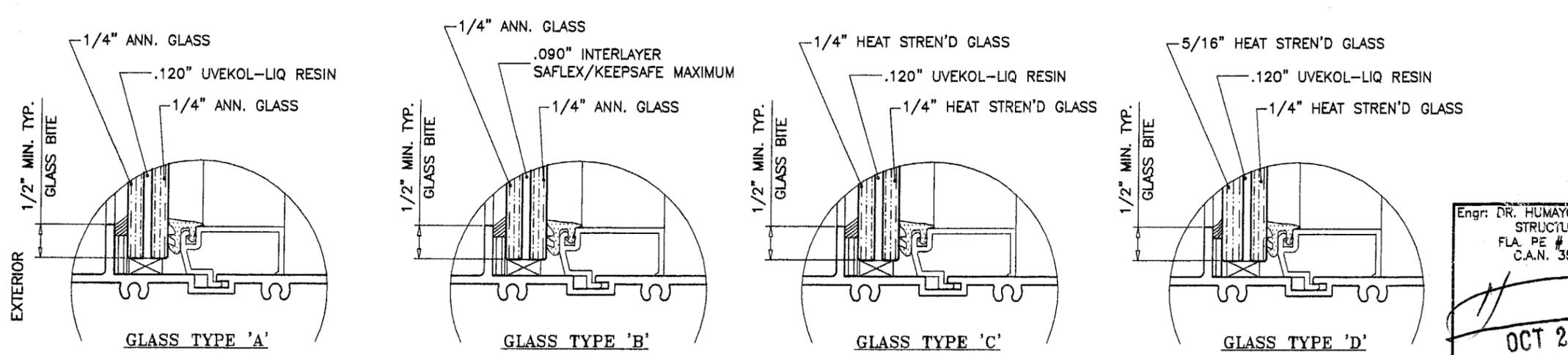
GLASS LOAD CAPACITY - PSF										
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
20"	98"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0	
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0	
32"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
44"		62.8	62.8	-	-	90.0	100.0	90.0	100.0	
50"		-	-	-	-	90.0	100.0	90.0	100.0	
56"		-	-	-	-	90.0	90.3	90.0	100.0	
60"		-	-	-	-	84.1	84.1	90.0	96.9	
66"		-	-	-	-	77.4	77.4	86.5	86.5	
20"	104"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0	
26"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0	
32"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
44"		59.4	59.4	-	-	90.0	100.0	90.0	100.0	
50"		-	-	-	-	90.0	97.8	90.0	100.0	
56"		-	-	-	-	84.9	84.9	90.0	99.3	
60"		-	-	-	-	78.9	78.9	90.0	91.5	
20"		110"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"	63.0		63.0	63.0	63.0	90.0	100.0	90.0	100.0	
32"	63.0		63.0	-	-	90.0	100.0	90.0	100.0	
38"	63.0		63.0	-	-	90.0	100.0	90.0	100.0	
44"	-		-	-	-	90.0	100.0	90.0	100.0	
50"	-		-	-	-	90.0	93.1	90.0	100.0	
56"	-		-	-	-	80.2	80.2	90.0	94.0	
20"	116"		63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"			63.0	63.0	-	-	90.0	100.0	90.0	100.0
32"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
38"		63.0	63.0	-	-	90.0	100.0	90.0	100.0	
44"		-	-	-	-	90.0	100.0	90.0	100.0	
50"		-	-	-	-	89.4	89.4	90.0	100.0	
56"		-	-	-	-	76.0	76.0	90.0	90.9	
20"		120"	63.0	63.0	63.0	63.0	90.0	100.0	90.0	100.0
26"			63.0	63.0	-	-	90.0	100.0	90.0	100.0
32"	63.0		63.0	-	-	90.0	100.0	90.0	100.0	
38"	63.0		63.0	-	-	90.0	100.0	90.0	100.0	
44"	-		-	-	-	90.0	100.0	90.0	100.0	
50"	-		-	-	-	87.1	87.1	90.0	100.0	



**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W03-64SM

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

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0925.01  
 Expiration Date 11/21/07  
 By: *Glennell Berna*  
 Miami Dade Product Control  
 Division



Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 OCT 23 2003

no.	date	description
A	10.23.03	NO CHANGE THIS SHEET

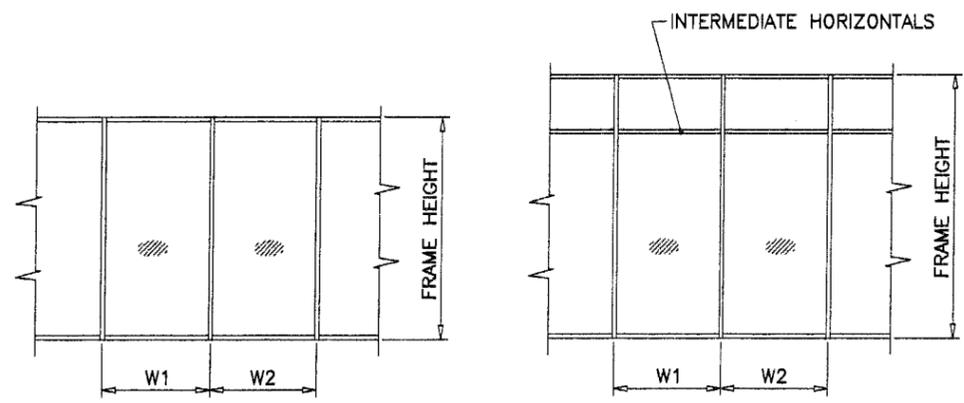
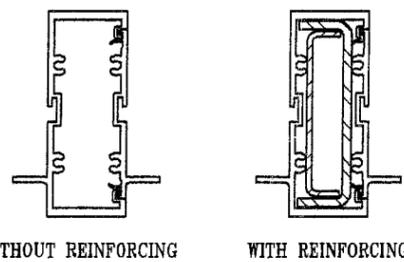
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 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no. **W03-64**  
 sheet 2 of 7

GLAZING OPTIONS

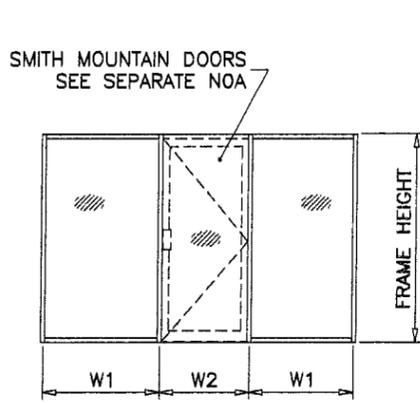
MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		75.0	75.0	90.0	100.0
60"		75.0	75.0	90.0	100.0
66"		75.0	75.0	90.0	100.0
72"	75.0	75.0	90.0	100.0	
24"	78"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		75.0	75.0	90.0	100.0
60"		75.0	75.0	90.0	100.0
66"		75.0	75.0	90.0	100.0
72"	-	-	90.0	100.0	
24"	84"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		75.0	75.0	90.0	100.0
60"		75.0	75.0	90.0	100.0
66"		-	-	90.0	100.0
72"	-	-	90.0	100.0	
24"	90"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		75.0	75.0	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
72"	-	-	90.0	100.0	
24"	96"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		75.0	75.0	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
72"	-	-	90.0	100.0	
24"	102"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0

MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	75.0	75.0	90.0	100.0
30"		75.0	75.0	90.0	100.0
36"		75.0	75.0	90.0	100.0
42"		75.0	75.0	90.0	100.0
48"		75.0	75.0	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	114"	-	-	90.0	100.0
30"		-	-	90.0	100.0
36"		-	-	90.0	100.0
42"		-	-	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"	-	-	90.0	100.0
30"		-	-	90.0	100.0
36"		-	-	90.0	100.0
42"		-	-	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0

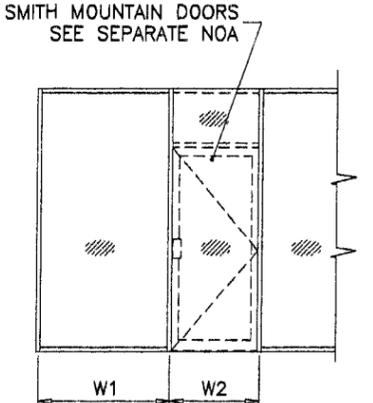


$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

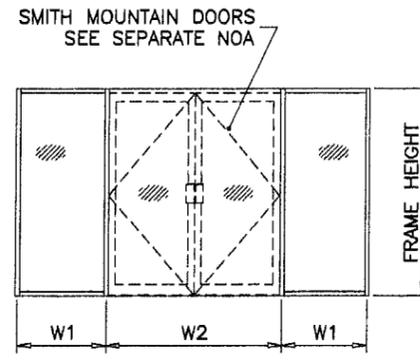
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



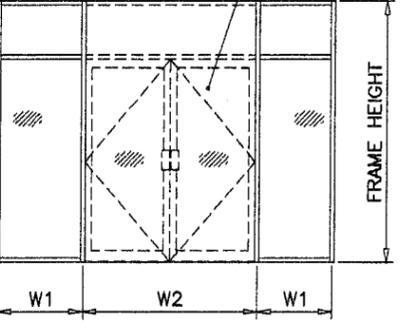
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



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



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



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

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0925.01  
 Expiration Date 11/21/07  
 By Gloria Herrera  
 Miami Dade Product Control  
 Division

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 OCT 23 2003

**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\W03-64SM

---

SERIES SM1-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120 ST.  
 MIAMI, FL. 33176  
 TEL. (305) 278-2878 FAX. (305) 278-2879

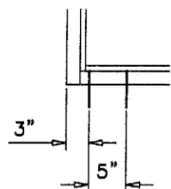
no.	date	description
A	10.23.03	NO CHANGE THIS SHEET

date: 08-11-03  
 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:

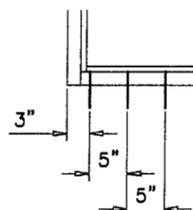
drawing no.  
**W03-64**  
 sheet 3 of 7

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)							
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	C2	C3
24"	78"	100.0	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0
42"		95.3	100.0	100.0	100.0	100.0	100.0
48"		83.4	100.0	100.0	100.0	100.0	100.0
54"		74.1	100.0	100.0	100.0	100.0	100.0
60"		66.7	100.0	100.0	100.0	100.0	100.0
66"		60.6	91.0	100.0	100.0	100.0	100.0
72"	55.6	83.4	100.0	100.0	100.0	100.0	
24"	84"	100.0	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0
42"		88.5	100.0	100.0	100.0	100.0	100.0
48"		77.4	100.0	100.0	100.0	100.0	100.0
54"		68.8	100.0	100.0	100.0	100.0	100.0
60"		61.9	92.9	100.0	100.0	100.0	100.0
66"		56.3	84.5	100.0	100.0	100.0	100.0
72"	51.6	77.4	100.0	100.0	100.0	100.0	
24"	90"	100.0	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0	100.0
36"		96.4	100.0	100.0	100.0	100.0	100.0
42"		82.6	100.0	100.0	100.0	100.0	100.0
48"		72.3	100.0	100.0	100.0	100.0	100.0
54"		64.2	96.4	100.0	100.0	100.0	100.0
60"		57.8	86.7	100.0	100.0	100.0	100.0
66"		52.6	78.8	100.0	100.0	100.0	100.0
72"	48.2	72.3	93.7	100.0	93.7	100.0	
24"	96"	100.0	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0	100.0
36"		90.3	100.0	100.0	100.0	100.0	100.0
42"		77.4	100.0	100.0	100.0	100.0	100.0
48"		67.8	100.0	100.0	100.0	100.0	100.0
54"		60.2	90.3	100.0	100.0	100.0	100.0
60"		54.2	81.3	100.0	100.0	100.0	100.0
66"		49.3	73.9	95.8	100.0	95.8	100.0
72"	45.2	67.8	87.8	100.0	87.8	100.0	

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)							
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	C2	C3
24"	102"	100.0	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0	100.0
36"		85.0	100.0	100.0	100.0	100.0	100.0
42"		72.9	100.0	100.0	100.0	100.0	100.0
48"		63.8	95.6	100.0	100.0	100.0	100.0
54"		56.7	85.0	100.0	100.0	100.0	100.0
60"		51.0	76.5	99.2	100.0	99.2	100.0
66"		46.4	69.6	90.2	100.0	90.2	100.0
24"	108"	100.0	100.0	100.0	100.0	100.0	100.0
30"		96.4	100.0	100.0	100.0	100.0	100.0
36"		80.3	100.0	100.0	100.0	100.0	100.0
42"		68.8	100.0	100.0	100.0	100.0	100.0
48"		60.2	90.3	100.0	100.0	100.0	100.0
54"		53.5	80.3	100.0	100.0	100.0	100.0
60"		48.2	72.3	93.7	100.0	93.7	100.0
66"		43.8	65.7	85.2	100.0	85.2	100.0
24"	114"	100.0	100.0	100.0	100.0	100.0	100.0
30"		91.3	100.0	100.0	100.0	100.0	100.0
36"		76.1	100.0	100.0	100.0	100.0	100.0
42"		65.2	97.8	100.0	100.0	100.0	100.0
48"		57.1	85.6	100.0	100.0	100.0	100.0
54"		50.7	76.1	98.6	100.0	98.6	100.0
60"		45.6	68.5	88.8	100.0	88.8	100.0
66"		43.4	65.0	84.3	100.0	84.3	100.0
24"	120"	100.0	100.0	100.0	100.0	100.0	100.0
30"		86.7	100.0	100.0	100.0	100.0	100.0
36"		72.3	100.0	100.0	100.0	100.0	100.0
42"		61.9	92.9	100.0	100.0	100.0	100.0
48"		54.2	81.3	100.0	100.0	100.0	100.0
54"		48.2	72.3	93.7	100.0	93.7	100.0
60"		43.4	65.0	84.3	100.0	84.3	100.0
66"		43.4	65.0	84.3	100.0	84.3	100.0



A2, B2, C2



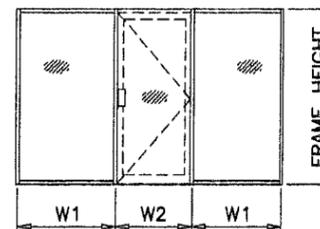
A3, B3, C3

**PRODUCT REVISED**  
 to comply with the Florida  
 Building Code  
 Acceptance No. 03-0925.01  
 Expiration Date 11/21/02  
 By: *Cherone Berman*  
 Miami/Dade Product Control  
 Division

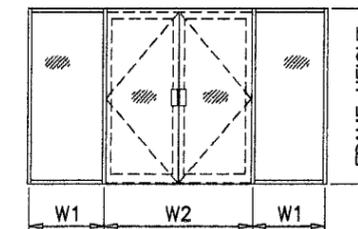
ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

- 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

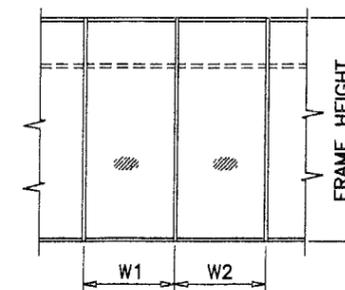
ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



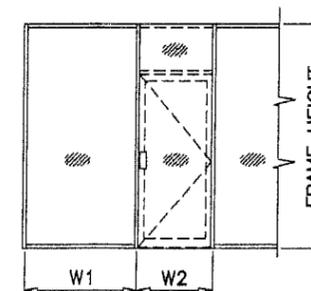
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



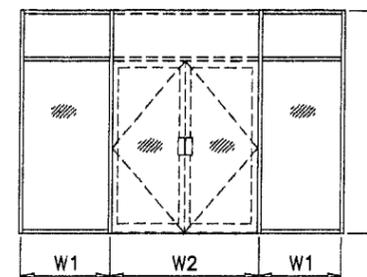
$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + \frac{W2}{4}$$



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



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



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

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 OCT 23 2003

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

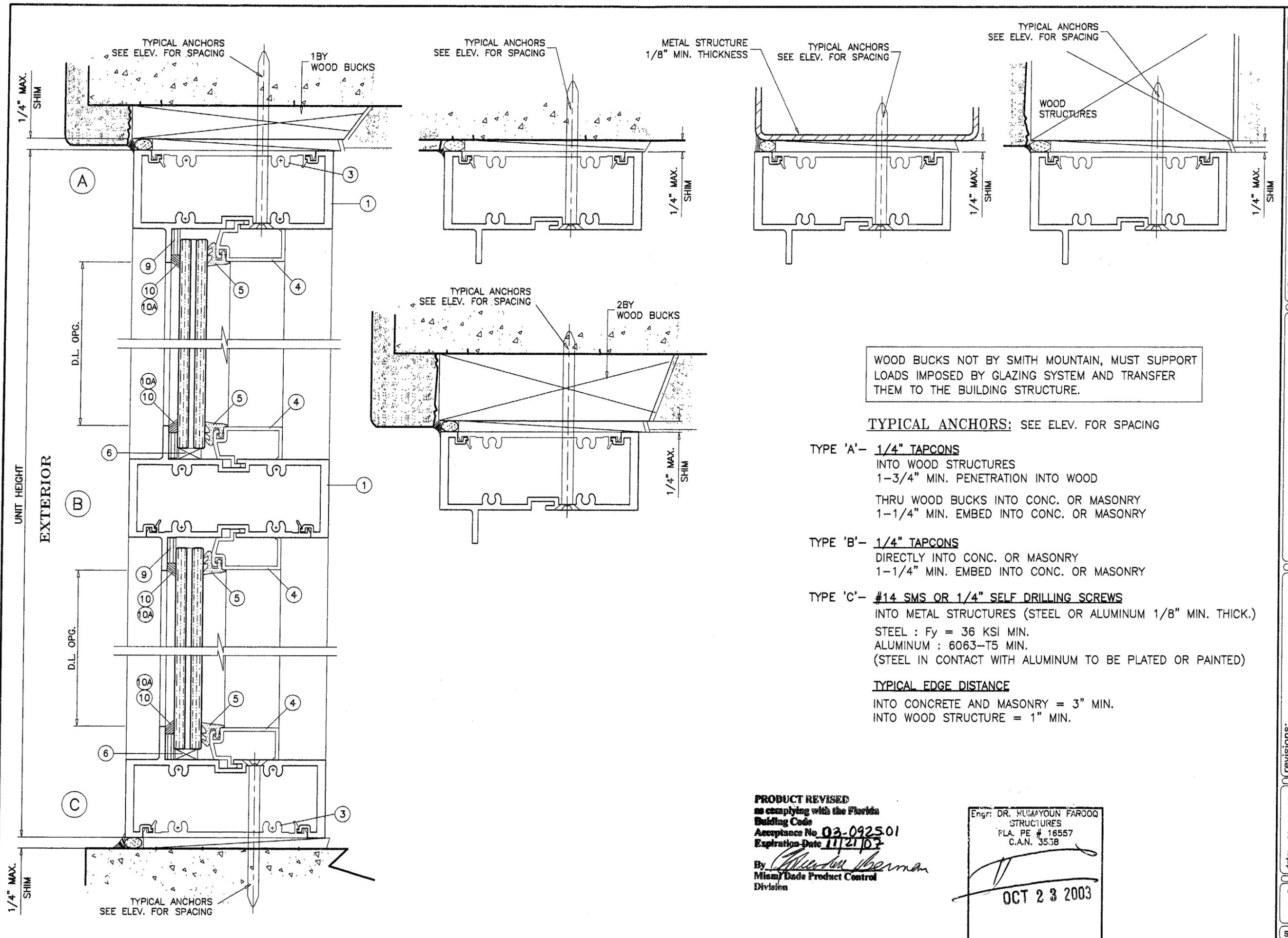
**SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)**  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120 ST.  
 MIAMI, FL. 33176  
 TEL. (305) 278-2878 FAX. (305) 278-2879

revisions:	no.	date	description
A	1	10.23.03	NO CHANGE THIS SHEET

date: 08-11-03  
 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W03-64**  
 sheet 4 of 7

COMP-ANL-W03-64SM



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  
 1-3/4" 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  
 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.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0925-01  
 Expiration Date 11/21/03  
 By Michael Sherman  
 Miami Dade Product Control  
 Division

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 OCT 23 2003

**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\W03-64SM

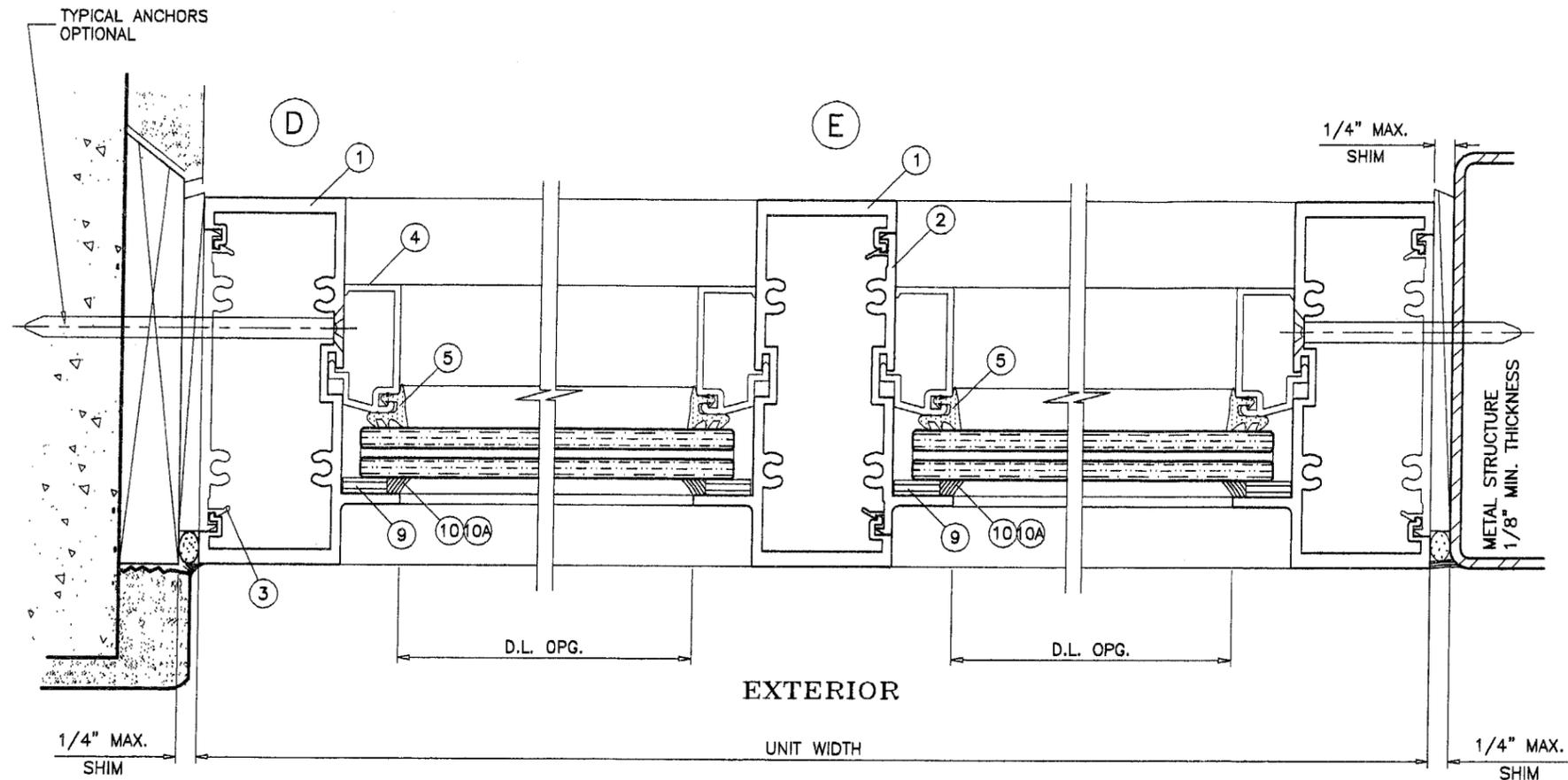
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SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120 ST.  
 MIAMI, FL. 33176  
 TEL (305) 278-2878 FAX. (305) 278-2879

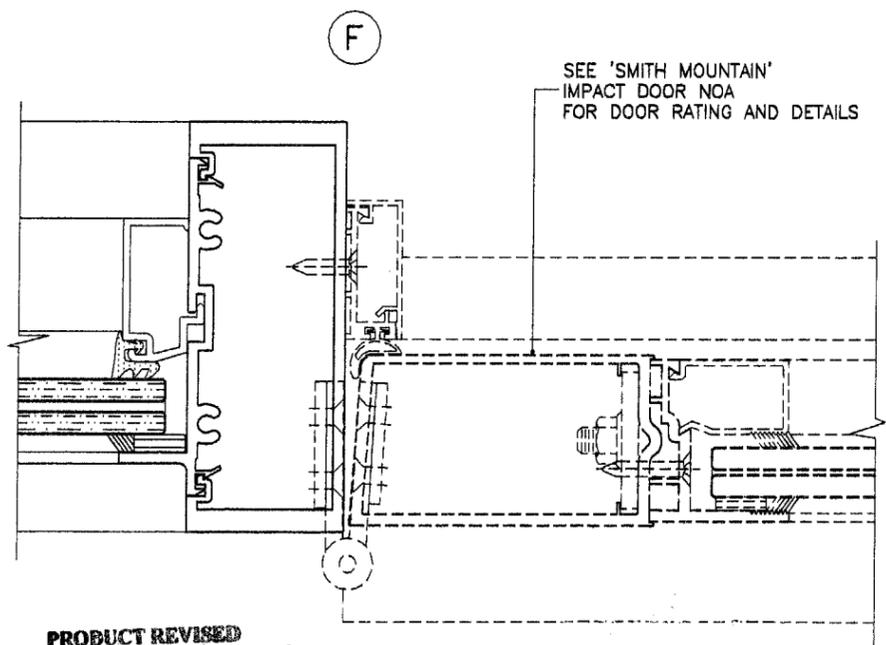
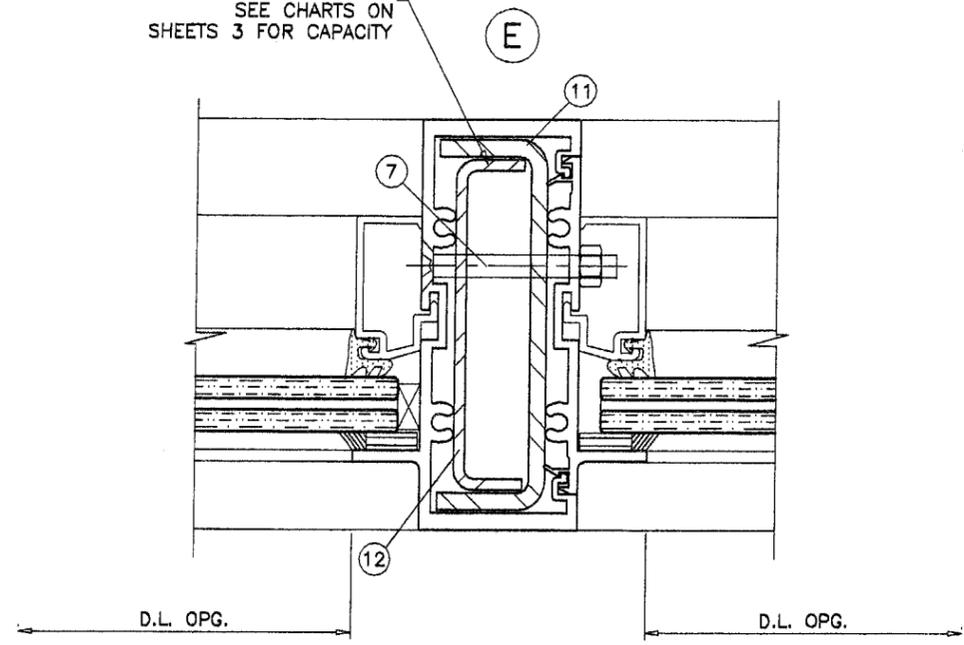
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date: 08-11-03  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W03-64**  
 sheet 5 of 7



FULL LENGTH REINFORCING  
OPTIONAL  
SEE CHARTS ON  
SHEETS 3 FOR CAPACITY



SEE 'SMITH MOUNTAIN'  
IMPACT DOOR NOA  
FOR DOOR RATING AND DETAILS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0925.01  
Expiration Date 11/21/07

By *Cherodine Berman*  
Miami Dade Product Control  
Division

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

*[Signature]*  
OCT 23 2003

**afsc**

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W03-64SM

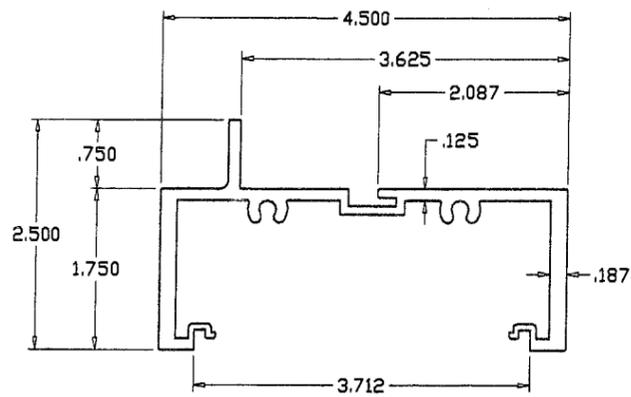
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SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
11520 S.W. 120 ST.  
MIAMI, FL. 33176  
TEL. (305) 278-2878 FAX. (305) 278-2879

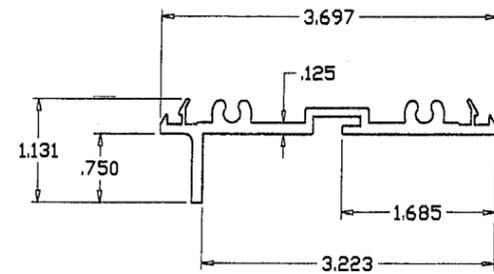
no	date	by	description
A	10.23.03		GLAZING COMPOUND 10A ADDED

date: 08-11-03	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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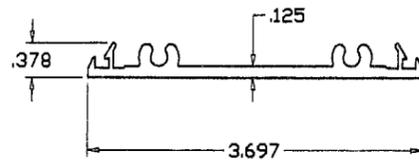
drawing no.  
**W03-64**  
sheet 6 of 7



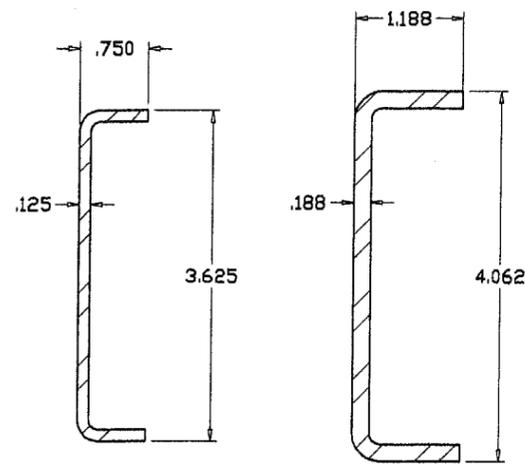
FRAME HEAD/SILL/JAMB



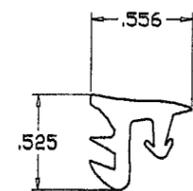
INTERMEDIATE SNAP-IN



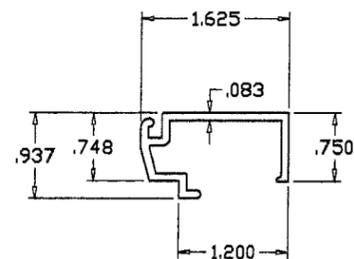
POCKET FILLER



POCKET FILLER

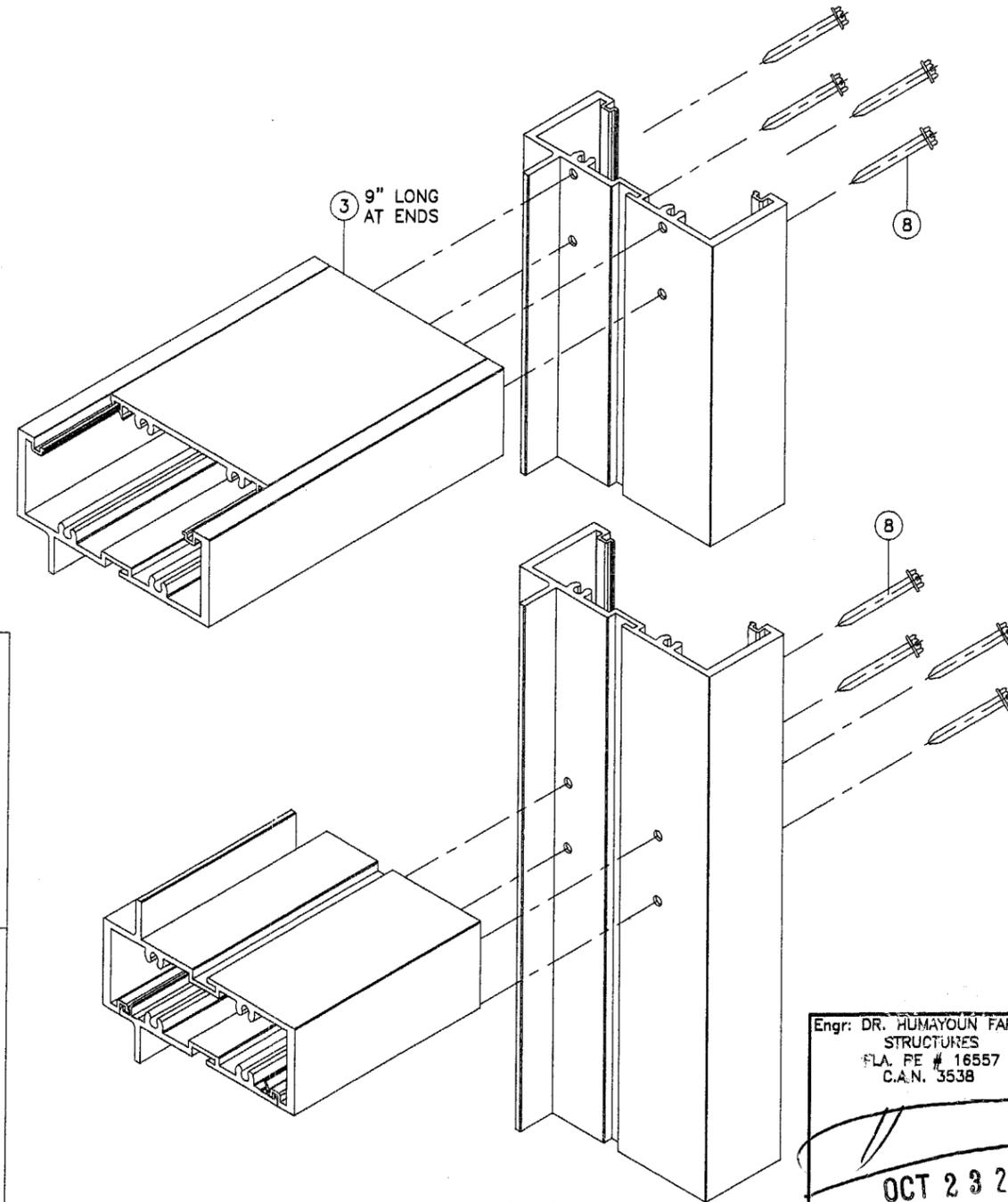


WEDGE-IN GASKET  
SCALE 1:1



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-T5	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 9" FROM ENDS & 24" 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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0925.01  
Expiration Date 11/21/07

By: *Miriam Berma*  
Miami Dade Product Control  
Division

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

OCT 23 2003

*afsc*  
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANI\W03-64SM

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

no	date	description
A	10.23.03	GLAZING COMPOUND 10A ADDED

date: 08-11-03  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W03-64**  
sheet 7 of 7