



**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**

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**Arso Enterprises, Inc. d/b/a Sol –A- Trol Aluminum Products
4101 N.W. 132nd Street
Miami, FL 33054**

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 3000/3062 Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-08**, titled "Series 3000/3062 Alum Fixed WDW. (L.M.I.)", sheets 1 through 5 of 5, dated 02/16/05, with revision A dated 09/09/05, prepared by Al-Farooq Corporation, 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: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA 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 **Manuel Perez, P.E.**



**NOA No 05-0414.01
Expiration Date: November 3, 2010
Approval Date: November 3, 2005
Page 1**

Arso Enterprises, Inc. d/b/a Sol -A- Trol Aluminum Products

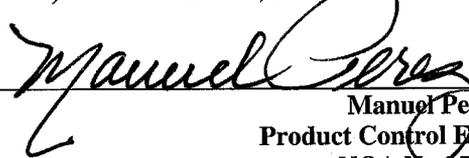
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **W05-08**, titled "Series 3000/3062 Alum Fixed WDW. (L.M.I.)", sheets 1 through 5 of 5, dated 02/16/05, with revision "A" dated 09/09/05, prepared by AL-Farooq Corporation, 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of series 3062 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1409**, dated 09/28/04, revised on 03/16/05, signed and sealed by Ivonne Ghia, P.E.
2. Test reports on 1) Large 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 series 3062 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1918D**, dated 09/28/04, revised on 03/16/05, signed and sealed by Ivonne Ghia, P.E.
3. Test reports on 1) Large 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 series 3062 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1918A**, dated 09/28/04, revised on 03/16/05, signed and sealed by Ivonne Ghia, P.E.
4. Test reports on 1) Large 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 series 3000 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1918C**, dated 09/28/04, signed and sealed by Ivonne Ghia, P.E.
5. Test reports on 1) Large 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 series 3000 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1918E**, dated 09/28/04, revised on 03/16/05, signed and sealed by Ivonne Ghia, P.E.



Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0414.01

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Arso Enterprises, Inc. d/b/a Sol -A- Trol Aluminum Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94along with marked-up drawings and installation diagram of series 3000 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1410**, dated 09/28/04, signed and sealed by Ivonne Ghia, P.E.
7. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of series 3000 aluminum fixed/casement window of XXO configuration, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HTL-04-1918B**, dated 09/28/04, signed and sealed by Ivonne Ghia, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Al-Farooq Corporation, dated 02/23/05, revised on 09/08/05 to comply with the FBC-2004, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-98

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

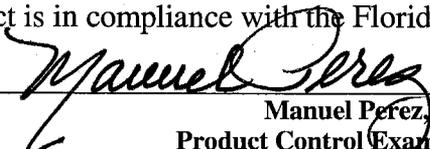
1. Notice of Acceptance No. 01-1204.01 issued to "E.I. DuPont DeNemous" for "Sentry Glass ® Plus" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. 01-1205.02 issued to "Solutia, Inc." for "Saflex/Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.
3. Notice of Acceptance No. 01-1205.02 issued to "Solutia, Inc." for "DuPont Butacite ® PVB" dated 02/15/01, expiring on 12/11/05.

F. STATEMENTS

1. Statement letter of conformance, dated 09/08 /05, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated 02/23/05, 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).



Manuel Perez, P.E.
Product Control Examiner
NOA No 05-0414.01
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THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

**SERIES 3000/3062 ALUM FIXED WINDOW
FLANGE OR EQUAL LEG FRAMES**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE FIXED WINDOWS,
ALSO COMBINATIONS OF FIXED/FIXED OR FIXED WITH SERIES
3000 OR 3062 CASEMENT WINDOWS USING MULLION IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION CHARTS
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING
HIGH VELOCITY HURRICANE ZONE.

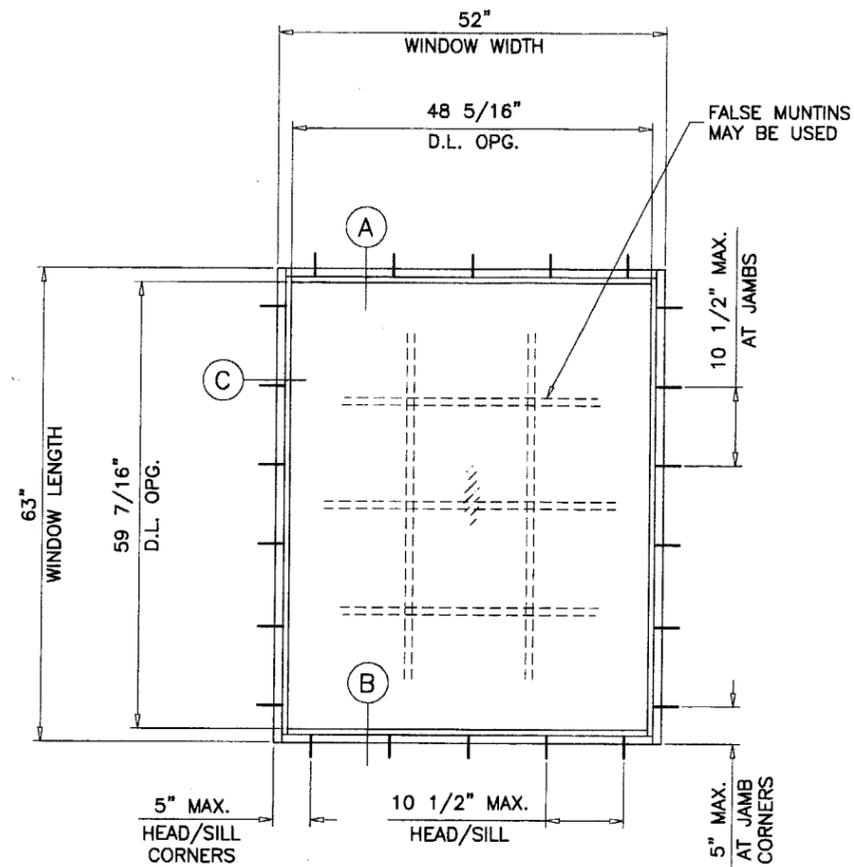
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

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

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

A 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD
ANCHORS ONLY.

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



TYPICAL ELEVATION
TESTED UNIT

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

SEP 15 2005

Approved as complying with the
Florida Building Code
Date: **Nov. 3, 2005**
NOA# **05-0414.01**
Miami Dade Product Control
Division
By: *Manuel Perez*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W05-08SAT

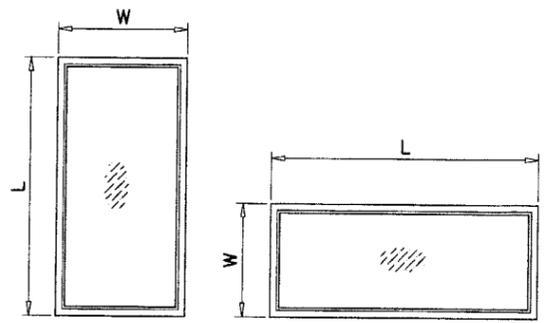
SERIES 3000/3062 ALUM FIXED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
4101 N.W. 132ND STREET
MIAMI, FL. 33054
TEL. (305) 681-2020 FAX. (305) 681-2035

no	date	by	description
A	09.09.05		UPDATED FOR 2004 FBC

date: 02-16-05
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

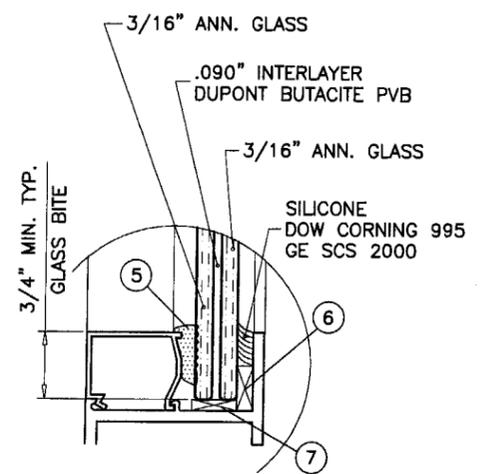
drawing no.
W05-08
sheet 1 of 5

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'A' & 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	80.0	80.0	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	80.0	80.0	100.0	100.0
37"		80.0	80.0	80.0	80.0	100.0	100.0
53-1/8"		80.0	80.0	80.0	80.0	100.0	100.0
19-1/8"	38-3/8"	80.0	80.0	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	80.0	80.0	100.0	100.0
37"		80.0	80.0	80.0	80.0	100.0	100.0
53-1/8"		-	-	80.0	80.0	100.0	100.0
19-1/8"	50-5/8"	80.0	80.0	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	80.0	80.0	100.0	100.0
37"		80.0	80.0	80.0	80.0	100.0	100.0
53-1/8"		-	-	80.0	80.0	100.0	100.0
19-1/8"	63"	80.0	80.0	80.0	80.0	100.0	100.0
26-1/2"		80.0	80.0	80.0	80.0	100.0	100.0
37"		-	-	80.0	80.0	100.0	100.0
19-1/8"	74-1/4"	80.0	80.0	80.0	80.0	100.0	100.0
26-1/2"		-	-	80.0	80.0	100.0	100.0
37"		-	-	80.0	80.0	100.0	100.0

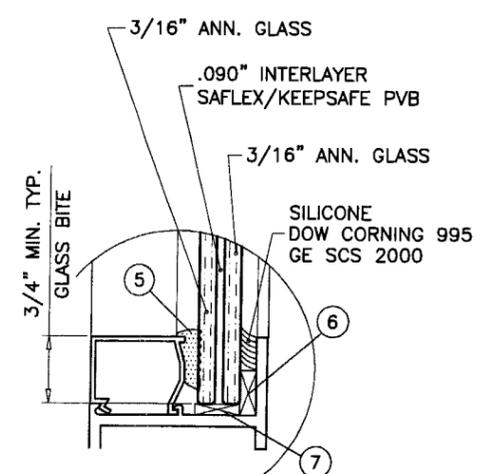


NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

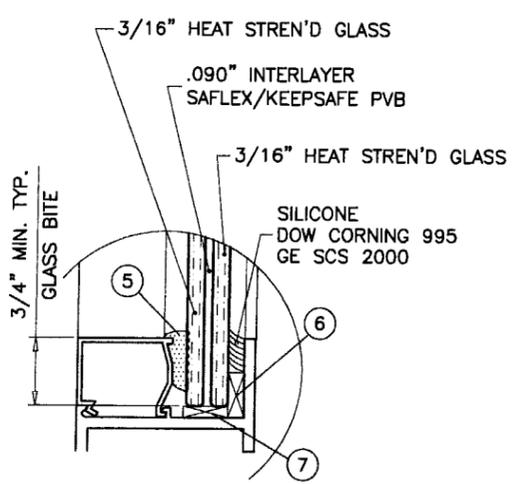
DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'A' & 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	36"	80.0	80.0	80.0	80.0	100.0	100.0
30"		80.0	80.0	80.0	80.0	100.0	100.0
36"		80.0	80.0	80.0	80.0	100.0	100.0
42"		80.0	80.0	80.0	80.0	100.0	100.0
48"		80.0	80.0	80.0	80.0	100.0	100.0
54"	80.0	80.0	80.0	80.0	80.0	100.0	100.0
24"	42"	80.0	80.0	80.0	80.0	100.0	100.0
30"		80.0	80.0	80.0	80.0	100.0	100.0
36"		80.0	80.0	80.0	80.0	100.0	100.0
42"		80.0	80.0	80.0	80.0	100.0	100.0
48"		-	-	80.0	80.0	100.0	100.0
54"	-	-	80.0	80.0	100.0	100.0	
24"	48"	80.0	80.0	80.0	80.0	100.0	100.0
30"		80.0	80.0	80.0	80.0	100.0	100.0
36"		80.0	80.0	80.0	80.0	100.0	100.0
42"		-	-	80.0	80.0	100.0	100.0
48"		-	-	80.0	80.0	100.0	100.0
54"	-	-	80.0	80.0	100.0	100.0	
24"	54"	80.0	80.0	80.0	80.0	100.0	100.0
30"		80.0	80.0	80.0	80.0	100.0	100.0
36"		80.0	80.0	80.0	80.0	100.0	100.0
42"		-	-	80.0	80.0	100.0	100.0
48"		-	-	80.0	80.0	100.0	100.0
54"	-	-	77.0	77.0	96.3	96.3	
24"	60"	80.0	80.0	80.0	80.0	100.0	100.0
30"		80.0	80.0	80.0	80.0	100.0	100.0
36"		-	-	80.0	80.0	100.0	100.0
42"		-	-	80.0	80.0	100.0	100.0
48"		-	-	80.0	80.0	100.0	100.0
54"	-	-	77.0	77.0	96.3	96.3	
24"	66"	80.0	80.0	80.0	80.0	100.0	100.0
30"		-	-	80.0	80.0	100.0	100.0
36"		-	-	80.0	80.0	100.0	100.0
42"		-	-	80.0	80.0	100.0	100.0
48"		-	-	80.0	80.0	100.0	100.0
24"	72"	80.0	80.0	80.0	80.0	100.0	100.0
30"		-	-	80.0	80.0	100.0	100.0
36"		-	-	80.0	80.0	100.0	100.0
42"		-	-	80.0	80.0	100.0	100.0



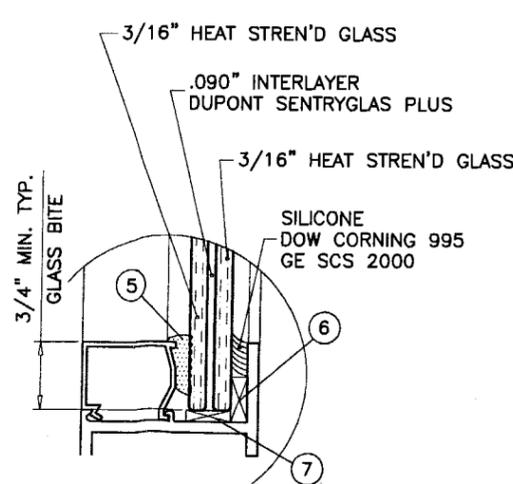
GLASS TYPE 'A'



GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS)

EXTERIOR

GLAZING OPTIONS

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

SEP 15 2005

Approved as complying with the Florida Building Code
Date Nov. 3, 2005
NOA# 05-0414-01
Miami Date Product Control
By Manuel Perez

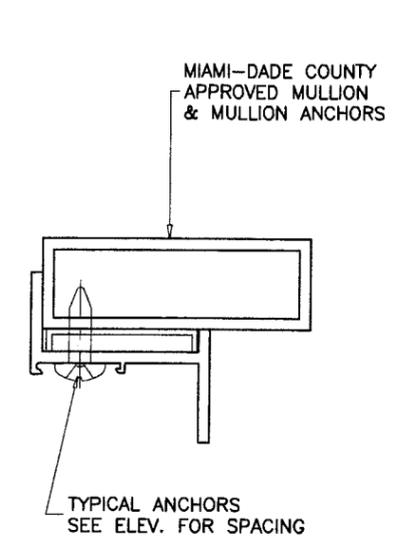
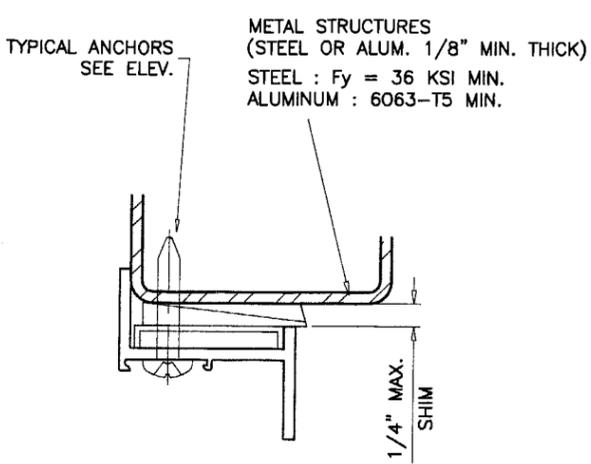
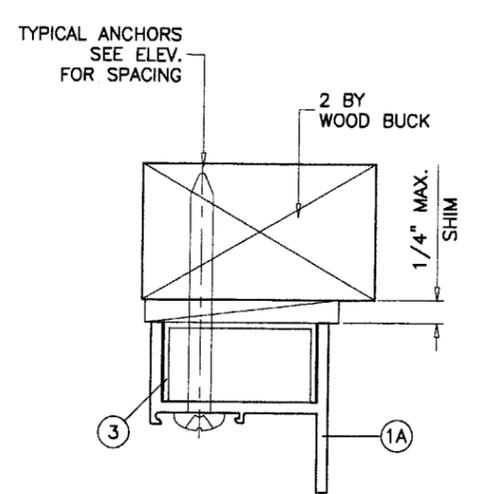
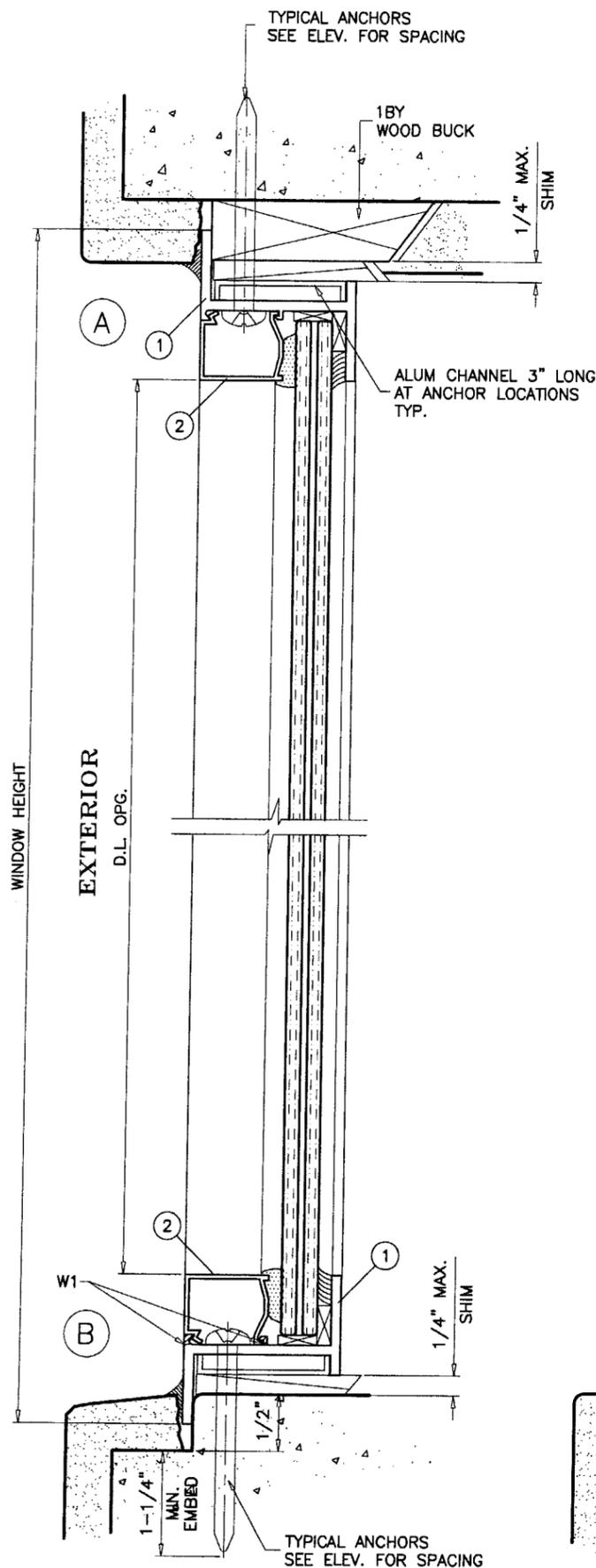
AL-FAROOQ CORPORATION
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TEL. (305) 681-2020 FAX. (305) 681-2035

no.	date	description
A	09.09.05	NOTE ADDED

date: 02-16-05
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no. **W05-08**
sheet 2 of 5



WOOD BUCKS NOT BY SOL-A-TROL, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

FLANGE AND EQUAL LEG FRAMES CAN BE USED AT ALL ANCHORAGE CONDITIONS.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

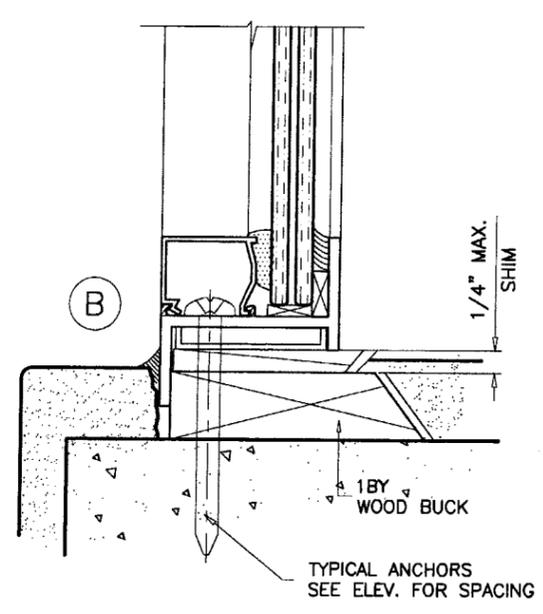
TYPE 'A' 1/4" DIA. TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO
 3000 PSI MIN. CONC. OR C-90 GROUT FILLED BLOCK
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO
 3000 PSI MIN. CONC. OR C-90 GROUT FILLED BLOCK
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' #14 SMS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
#14 SMS (MIN. GRADE 2 CRS) OR
1/4" HILTI KWIK-FLEX SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 (STEEL OR ALUMINUM 1/8" MIN. THICK.)
 STEEL : $F_y = 36$ KSI MIN.
 ALUMINUM : 6063-T5 MIN.
#12 SMS (MIN. GRADE 2 CRS)
 INTO APPROVED MULLIONS (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 1-1/4" MIN.
 INTO WOOD = 7/16" MIN.
 INTO METAL = 7/16" MIN.

SEALANTS:
 ALL FRAME AND VENT CORNERS SEALED WITH JOINT SEALANT.

WEEPHOLES:
 W1 = 3/8" NOTCH AT 7" FROM EACH END



Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 SEP 15 2005

Approved as complying with the
 Florida Building Code
 Date: NOV. 3, 2005
 NOA# 05-0414.01
 Miami Dade Product Control
 Division
 By: *Manuel*

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\W05-08SAT

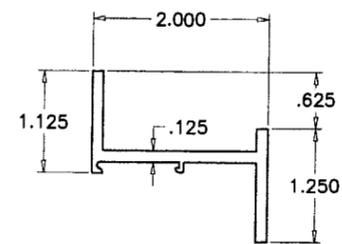
SERIES 3000/3062 ALUM FIXED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

no	date	by	description
A	09.09.05		NO CHANGE THIS SHEET

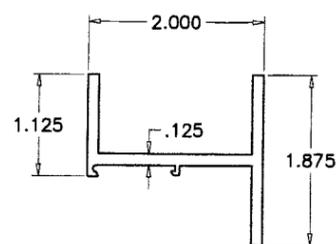
revisions:

date: 02-16-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

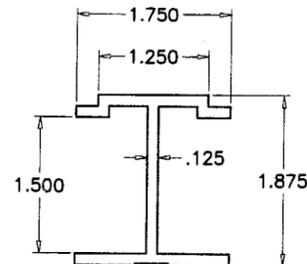
drawing no. **W05-08**
 sheet 3 of 5



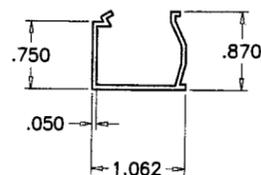
1 FLANGE FRAME HEAD/JAMB/SILL



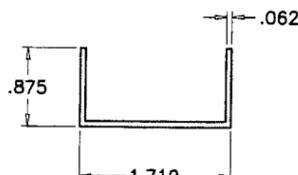
1A EQUAL LEG FRAME HEAD/JAMB/SILL



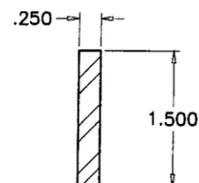
4 ZERO MULLION



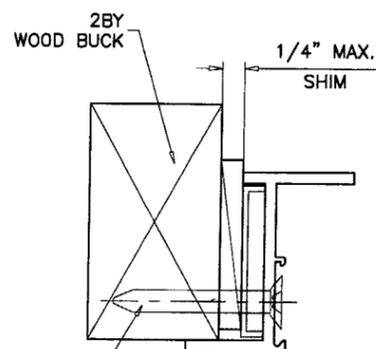
2 GLAZING BEAD



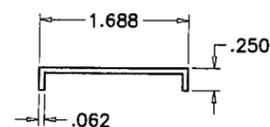
3 SUPPORT CHANNEL



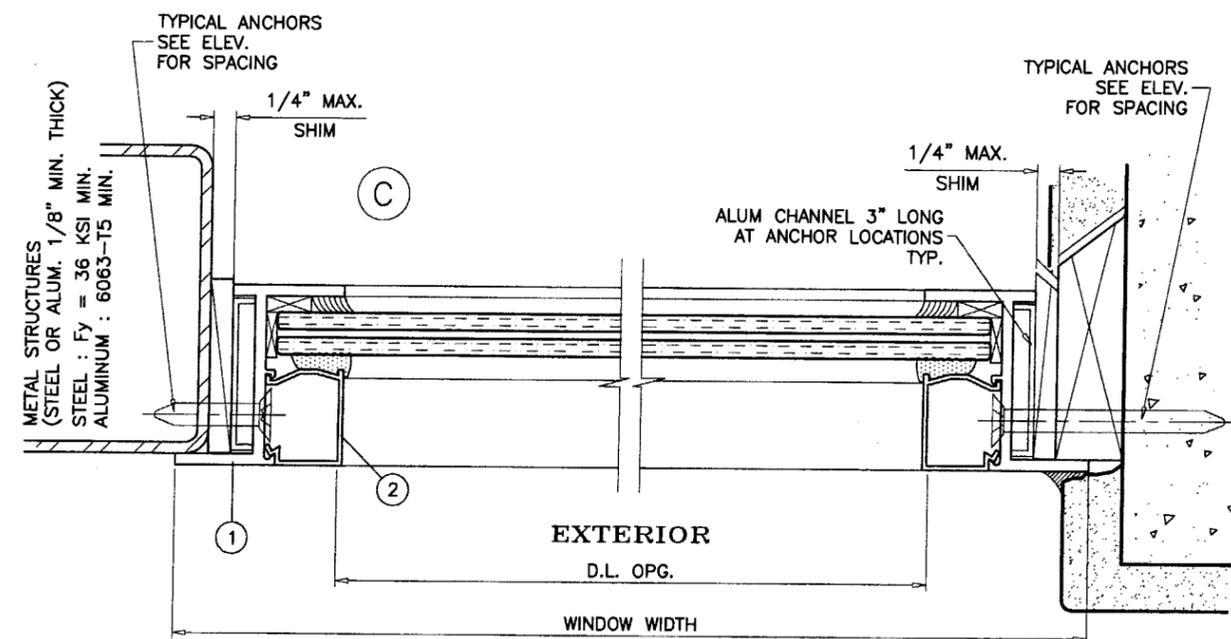
8 MULLION REINFORCING



TYPICAL ANCHORS SEE ELEV. FOR SPACING

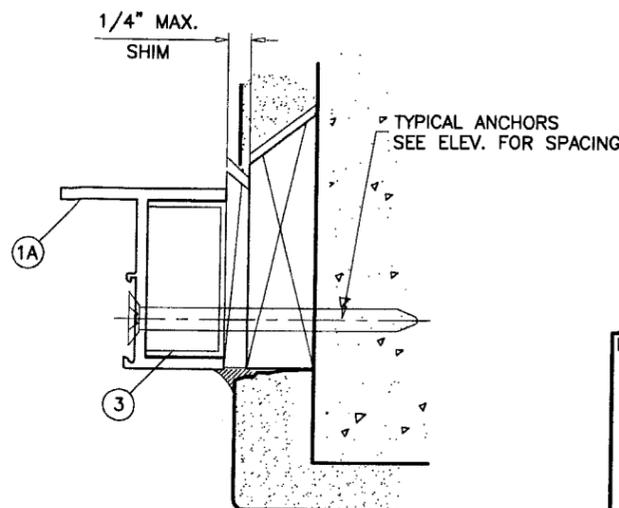


9 ALUM CHANNEL AT ANCHOR LOCATIONS



EXTERIOR D.L. OPG.

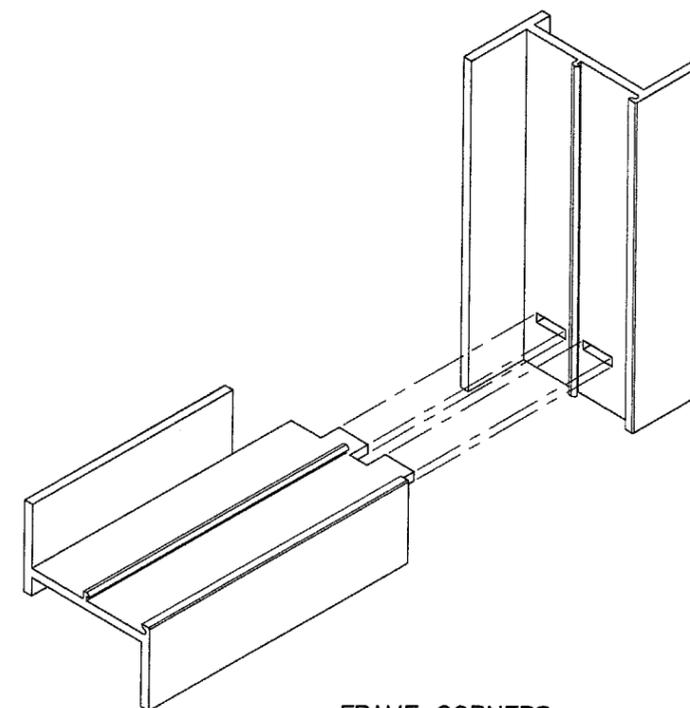
WINDOW WIDTH



1A

3

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ARSO-114	4	FLANGE FRAME (HEAD/JAMB/SILL)	6063-T5	-
1A	ARSO-934	4	EQUAL LEG FRAME (HEAD/JAMB/SILL)	6063-T5	-
2	ARSO-169	4	GLAZING BEAD	6063-T5	-
3	-	AS REQD.	SUPPORT CHANNEL, 3" LONG	3003-H14	-
4	ARSO-168	-	ZERO MULLION	6063-T5	-
5	FP-40	AS REQD.	GLAZING WEDGE	VINYL	PROTOTYPE PLASTICS
6	326-RP-142B	2/	SETTING BLOCK (1/2" X 1/4" X FULL LENGTH)	PVC	PROTOTYPE PLASTICS
7	326-FP-808B	AS REQD.	SETTING BLOCK (1/2" X 1/8" X 2") @ QUARTER POINTS	PVC	PROTOTYPE PLASTICS
8	-	1/	MULLION	STEEL	-
9	-	AS REQD.	ALUMINUM CHANNEL	3003-H14	3" LONG



FRAME CORNERS STAKED MORTISE AND TENON FABRICATION

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

SEP 15 2005

Approved as complying with the
Florida Building Code
Date NOV. 3, 2005
NDA# 05-0414-01
Miami Dade Product Control
Division
By *Manuel Perez*

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

SERIES 3000/3062 ALUM FIXED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
4101 N.W. 132ND STREET
MIAMI, FL. 33054
TEL. (305) 681-2020 FAX. (305) 681-2035

no	date	description
A	09.09.05	NO CHANGE THIS SHEET

date: 02-16-05
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

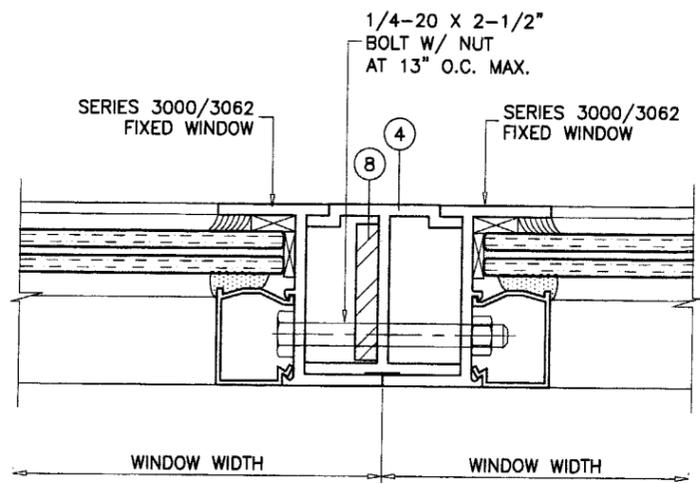
drawing no.
W05-08

sheet 4 of 5

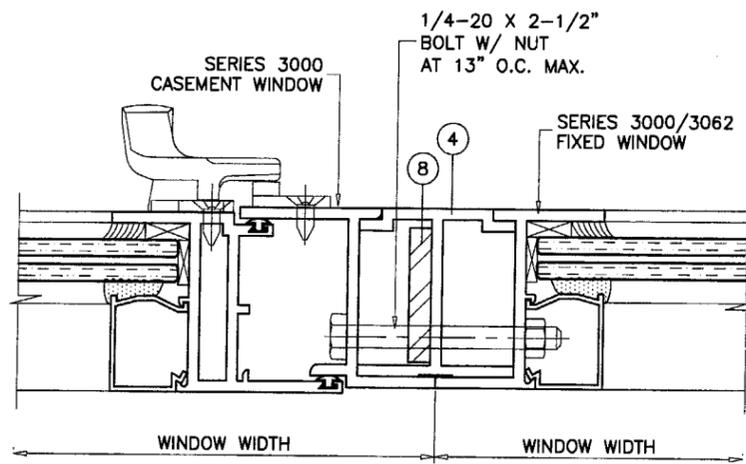
afc

COMP-ANL\W05-08SAT

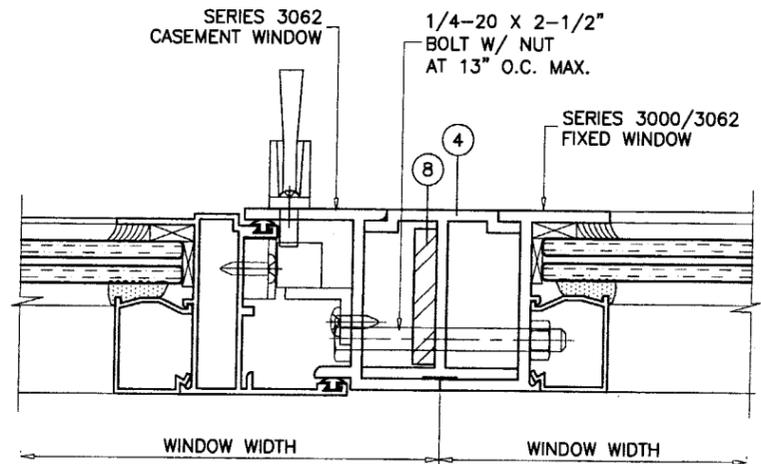
MULLION LOAD CAPACITY - PSF				
WINDOW DIMS.		TYPE '1'	TYPE '2'	TYPE '3'
WIDTH (W)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
19-1/8"	26"	100.0	100.0	80.0
26-1/2"		100.0	100.0	80.0
37"		100.0	100.0	80.0
53-1/8"		100.0	100.0	80.0
19-1/8"	38-3/8"	100.0	100.0	80.0
26-1/2"		100.0	100.0	80.0
37"		100.0	100.0	80.0
53-1/8"		100.0	100.0	80.0
19-1/8"	50-5/8"	100.0	100.0	80.0
26-1/2"		100.0	100.0	80.0
37"		100.0	100.0	80.0
53-1/8"		100.0	100.0	80.0
19-1/8"	63"	100.0	100.0	80.0
26-1/2"		100.0	100.0	80.0
37"		85.4	100.0	80.0
24"	36"	100.0	100.0	80.0
30"		100.0	100.0	80.0
36"		100.0	100.0	80.0
42"		100.0	100.0	80.0
48"		100.0	100.0	80.0
54"	100.0	100.0	80.0	
24"	42"	100.0	100.0	80.0
30"		100.0	100.0	80.0
36"		100.0	100.0	80.0
42"		100.0	100.0	80.0
48"		100.0	100.0	80.0
54"	100.0	100.0	80.0	
24"	48"	100.0	100.0	80.0
30"		100.0	100.0	80.0
36"		100.0	100.0	80.0
42"		100.0	100.0	80.0
48"		100.0	100.0	80.0
54"	100.0	100.0	80.0	
24"	54"	100.0	100.0	80.0
30"		100.0	100.0	80.0
36"		100.0	100.0	80.0
42"		100.0	100.0	80.0
48"		100.0	100.0	80.0
24"	60"	100.0	100.0	80.0
30"		100.0	100.0	80.0
36"		98.1	100.0	80.0
42"		88.5	100.0	80.0
44"	63"	76.3	95.6	80.0



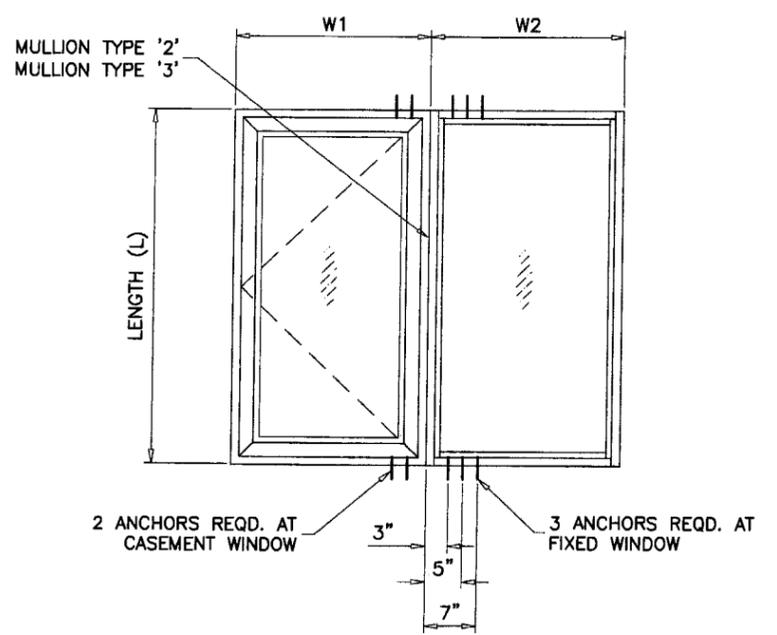
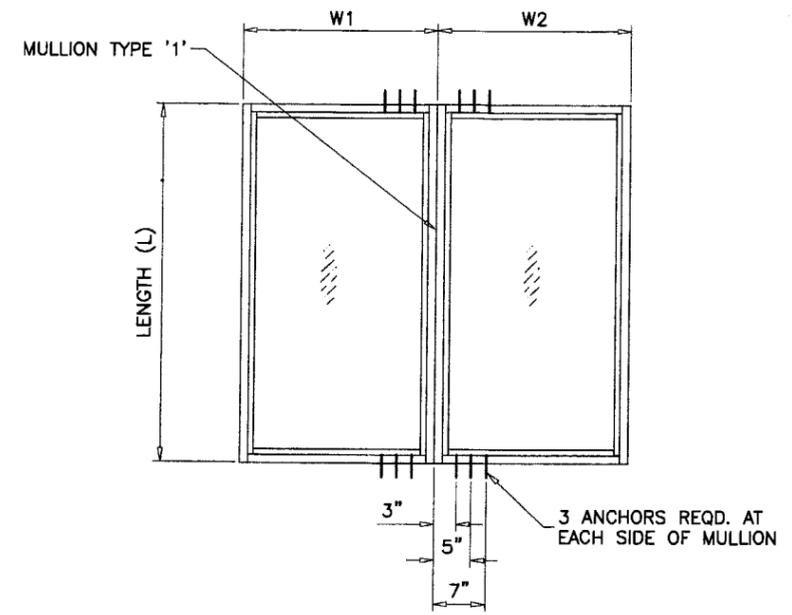
MULLION TYPE '1'



MULLION TYPE '2'



MULLION TYPE '3'



TYPICAL ELEVATIONS
SIDE BY SIDE WINDOWS
SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

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

- NOTES:
1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
 2. FOR FIXED WINDOW CAPACITY SEE SHEET 2 OF 5.
 3. FOR CASEMENT WINDOW CAPACITY SEE SEPARATE NOA.
 4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.

Engr: DR. HUMAYOUN FAROOQ
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no	date	description
A	09.09.05	CHART REV.

date: 02-16-05
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W05-08
sheet 5 of 5