



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Florida Window Systems Corporation
7191 NW 77 Terrace
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "4000 Impact Picture" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W10-89, titled "Series 4000 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 01/10/11 with revision "A" dated 03/18/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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.

REVISION 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 NOA No. 08-0204.03 and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
4/6/11

NOA No. 11-0207.08
Expiration Date: February 23, 2016
Approval Date: April 14, 2011
Page 1

Florida Window Systems Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W10-89**, titled "**Series 4000 Aluminum Fixed Window (L.M.I.)**", sheets 1 through 5 of 5, dated 01/10/11 with revision "**A**" dated 03/18/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 203-94along with marked-up drawings and installation diagram of aluminum picture window, prepared by American Test Lab of south Florida, Inc., Test Report No. **ATLSF-0802.01-05**, dated 09/06/05, signed and sealed by William R. Mehner, P. E. *(Submitted under previous NOA No.05-1107.04)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 12/28/10, signed, sealed and dated 03/22/2011 by Javad Ahmad, P. E.
Complies with ASTM E1300-98/ 04

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

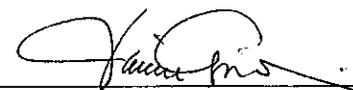
1. Notice of Acceptance No. **10-0413.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/12.

F. STATEMENTS

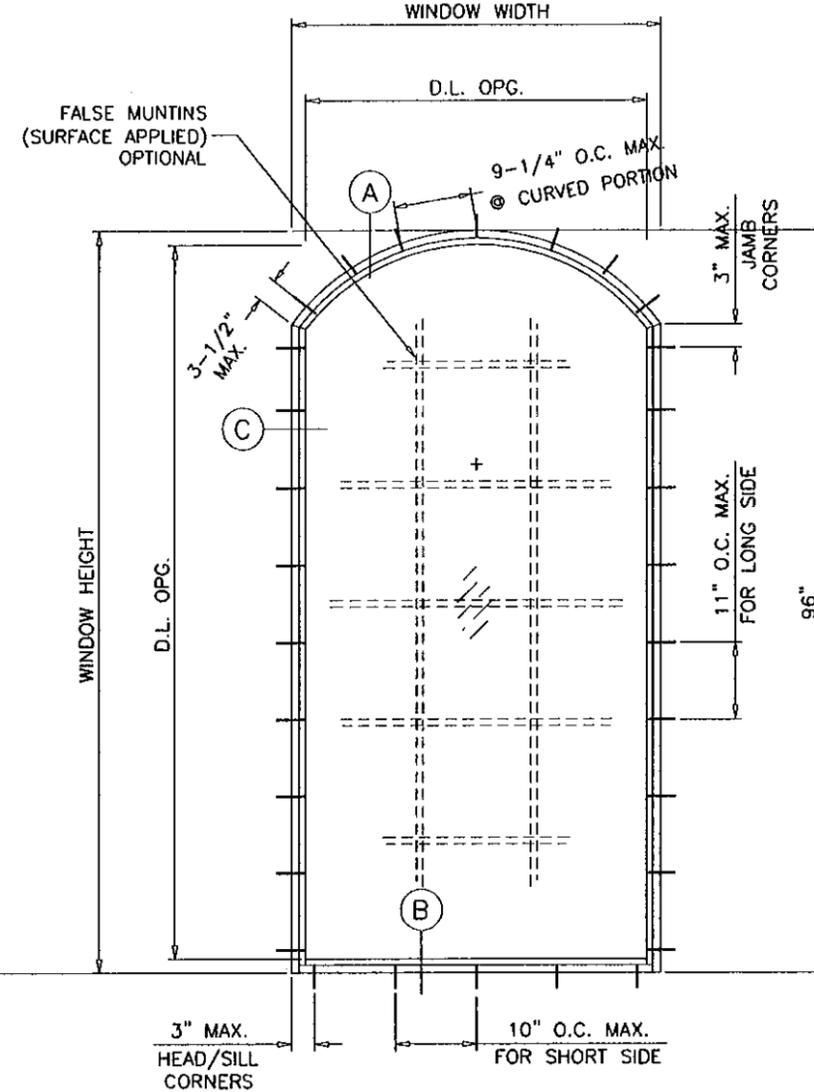
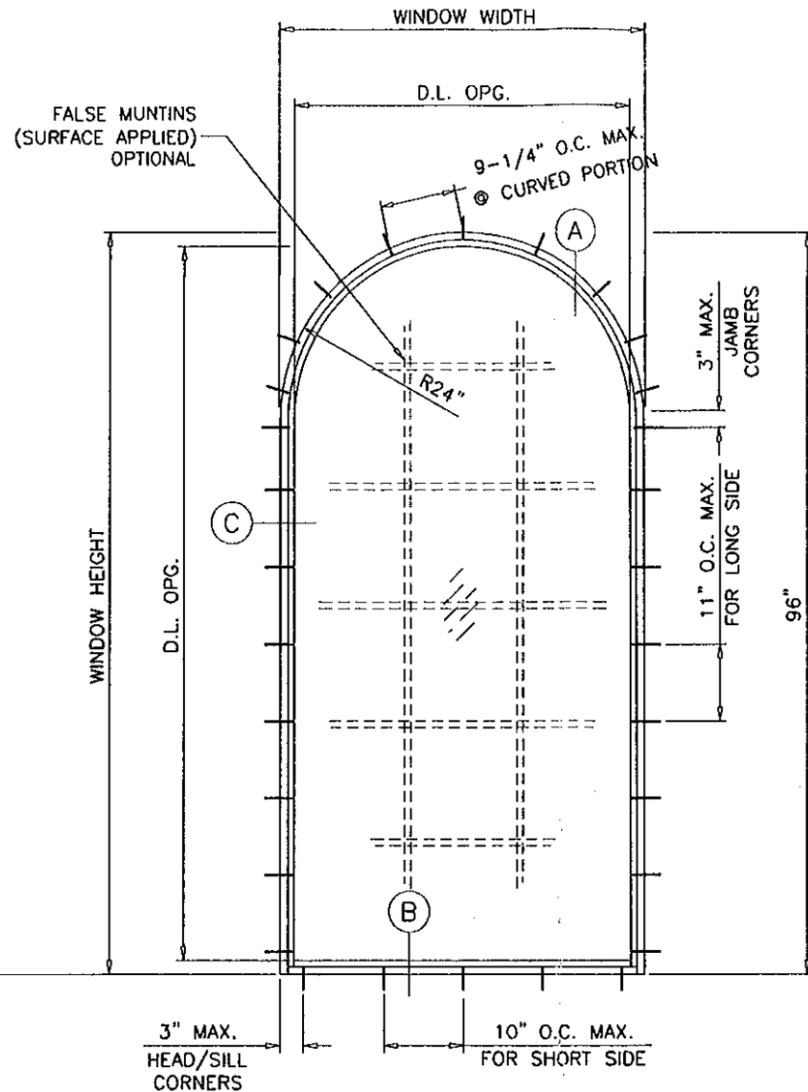
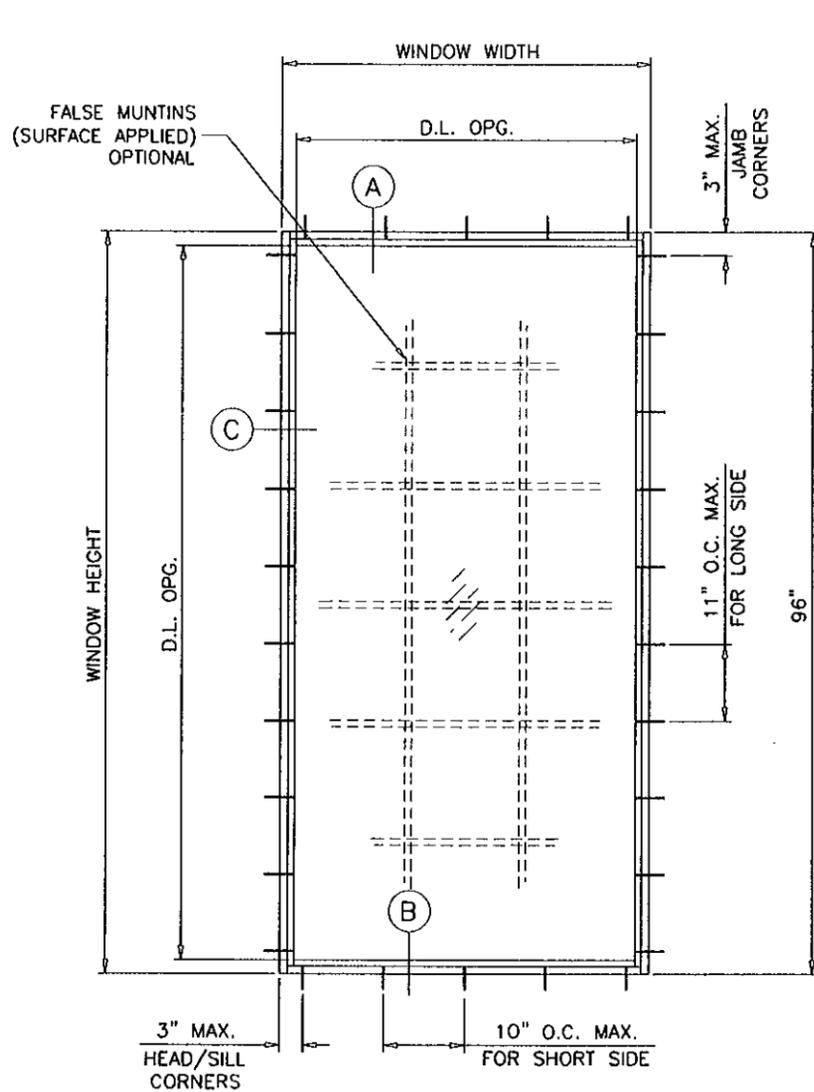
1. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated January 12, 2011, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **ATLSF-0802.01-05**, issued by American Test Lab of south Florida, Inc., dated September 06, 2005, signed and sealed by William R. Mehner, P. E.
(Submitted under previous NOA No. 05-1107.04)

G. OTHERS

1. Notice of Acceptance No. **08-0204.03**, issued to Florida Window Systems Corporation for their Series "4000 Impact Picture Window", approved on 04/03/08 and expiring on 02/23/11.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-0207.08
Expiration Date: February 23, 2016
Approval Date: April 14, 2011



**SERIES 4000
ALUMINUM FIXED WINDOW**

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

TYPICAL ELEVATIONS

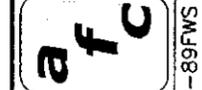
GLASS D.L.O. DIMS.

D.L.O. HEIGHT = WINDOW HEIGHT - 3.750"
D.L.O. WIDTH = WINDOW WIDTH - 3.625"

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **11-020708**
Expiration Date **02/23/2016**
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
MAR 29 2011



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W10 - 89FWS

SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

revisions:	no	date	by	description
	A	03.18.11		REV. PER BNC COMMENTS

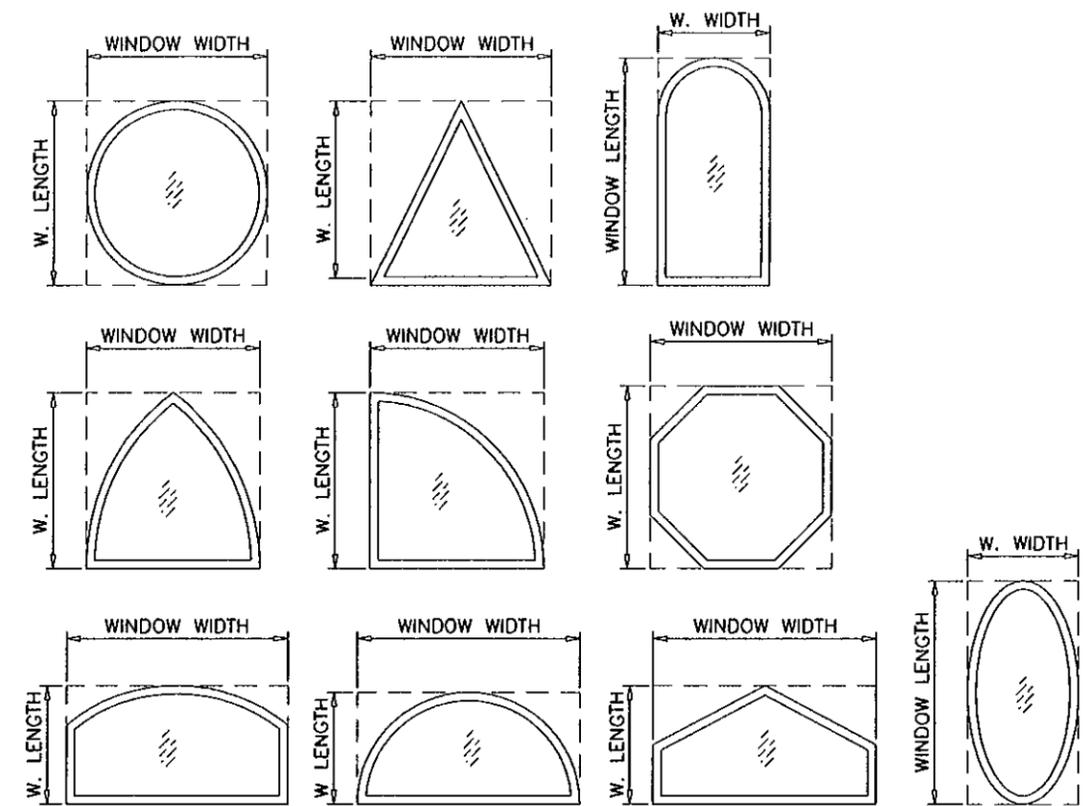
date: 01-10-11
scale: 1/2"=1'-0"
dr. by: K.Y.
chk. by:

drawing no.
W10-89
sheet 1 of 5

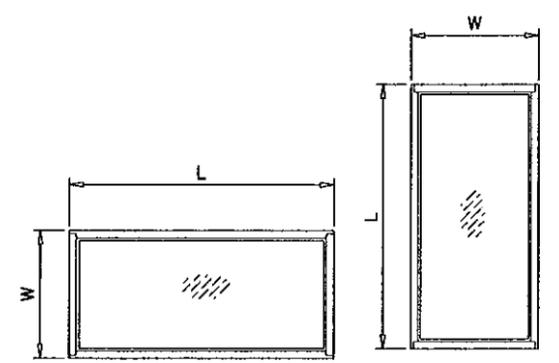
DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	48"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"	70.0	70.0	
24"	54"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		62.2	62.2
66"	62.2	62.2	
24"	60"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
66"	56.0	56.0	
24"	66"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
66"	50.9	50.9	
24"	72"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
24"	78"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
24"	84"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2

DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	90"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"	96"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"	102"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"	108"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"	114"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"	120"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0

DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
19-1/8"	26"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	38-3/8"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	50-5/8"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		66.4	66.4
19-1/8"	63"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		63.2	63.2
19-1/8"	76"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		63.2	63.2

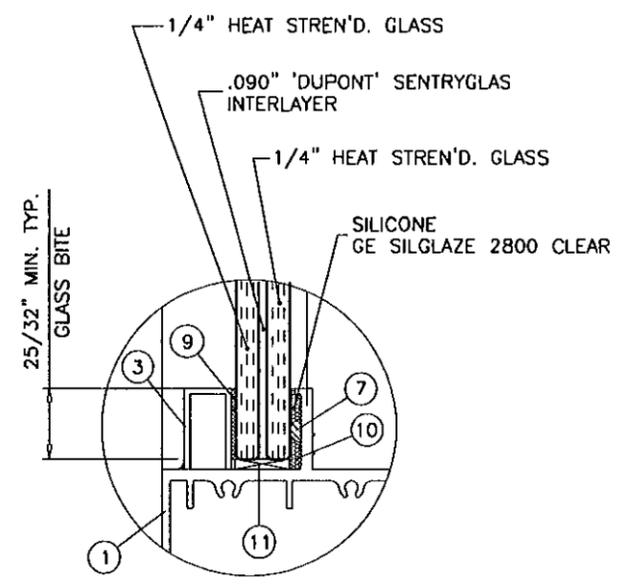


ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



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

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS). AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219



GLAZING OPTIONS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **11-020708**
Expiration Date **02/23/2016**
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
MAR 22 2011

af c

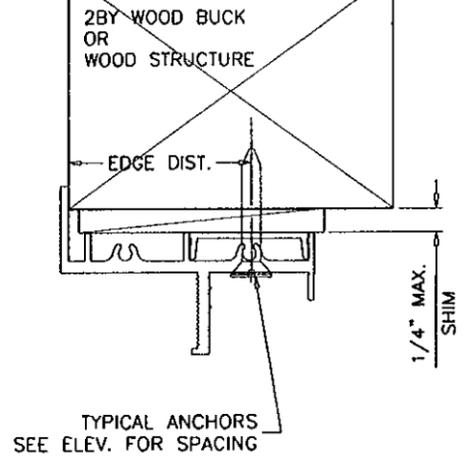
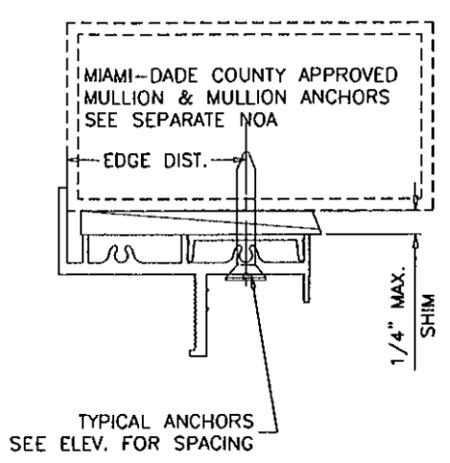
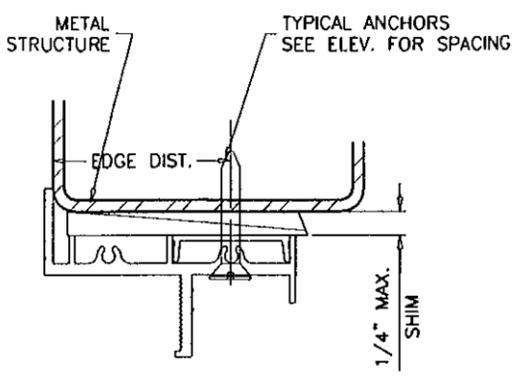
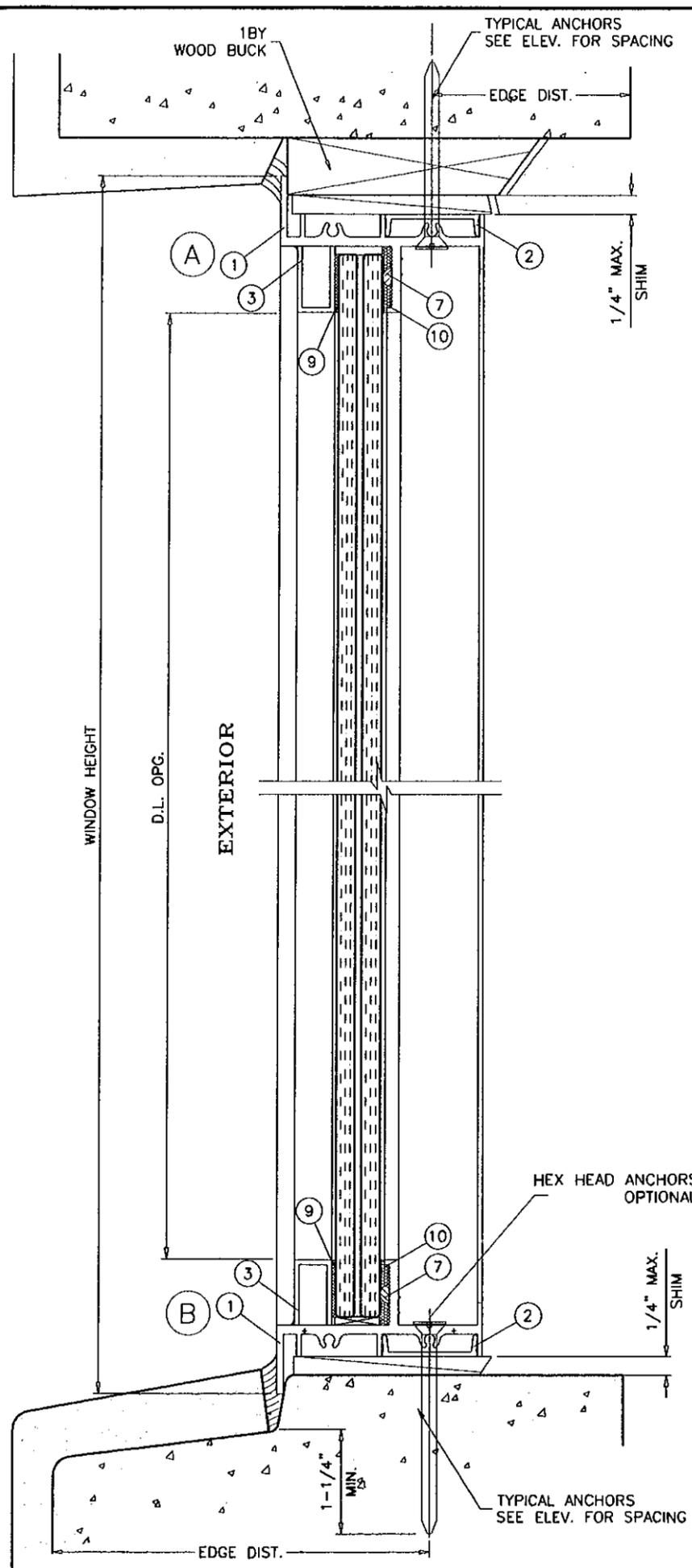
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL \ W10-89FWS

SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL (305) 805-9420 FAX (305) 805-9424

no.	date	description	by
A	03.18.11	REV. PER BNC COMMENTS	

date: 01-10-11
scale: 1/2" = 1'-0"
dr. by: K.Y.
chk. by:

drawing no.
W10-89
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY FLA. WDW. SYS. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

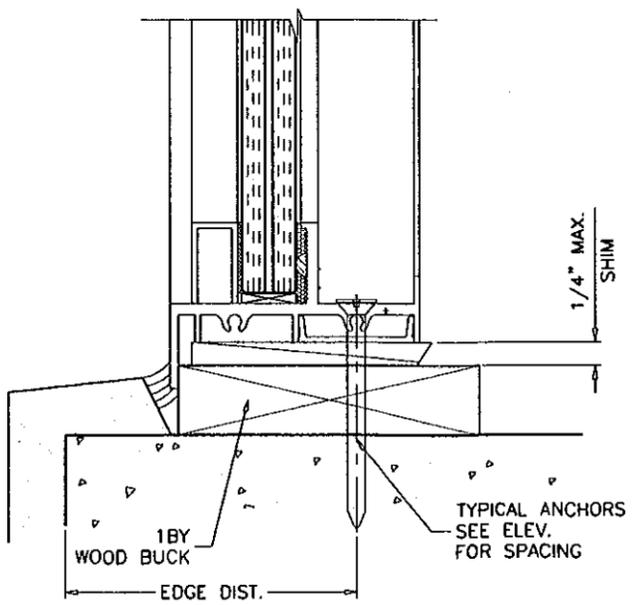
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

SEALANT:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH JOINT SEALER.



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 11-020708
 Expiration Date 02/23/2016
 By [Signature]
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAR 22 2011

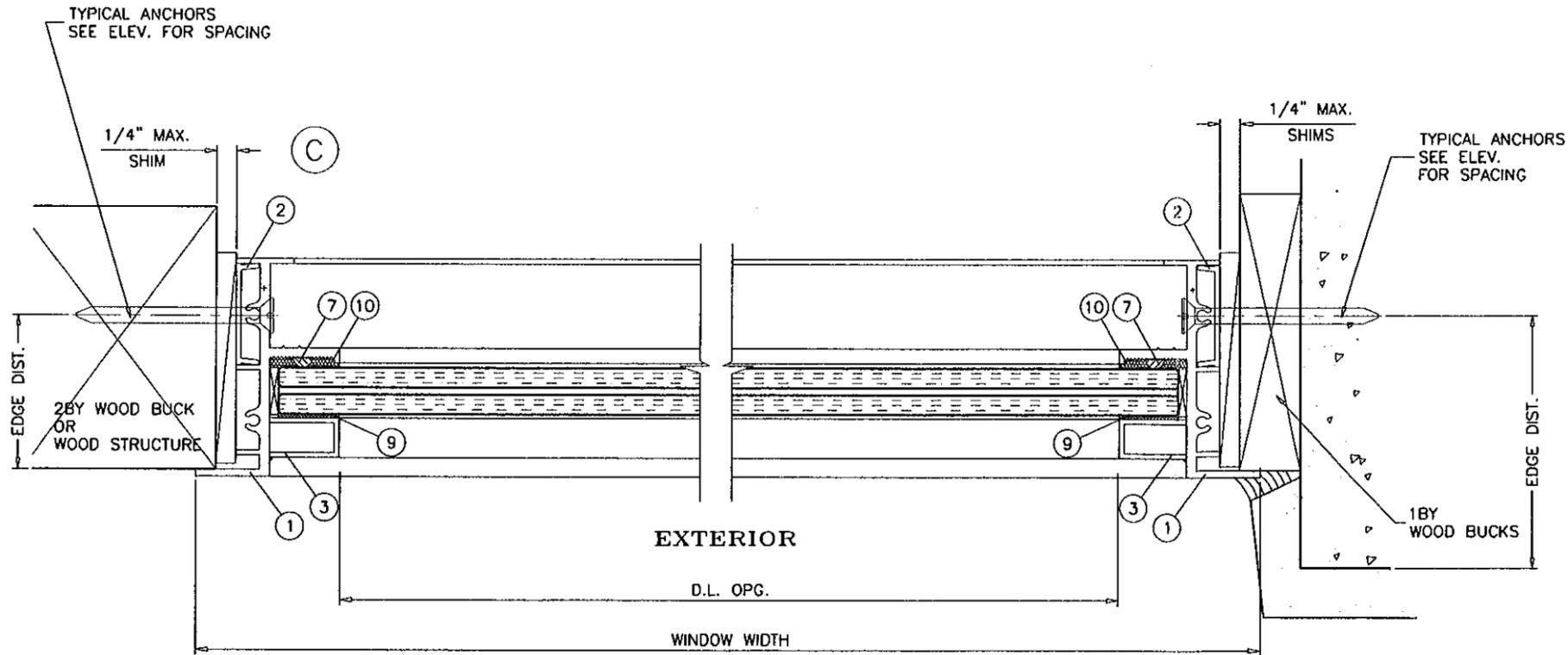
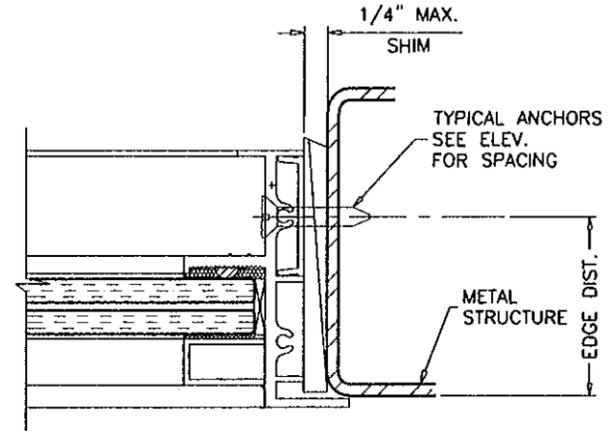
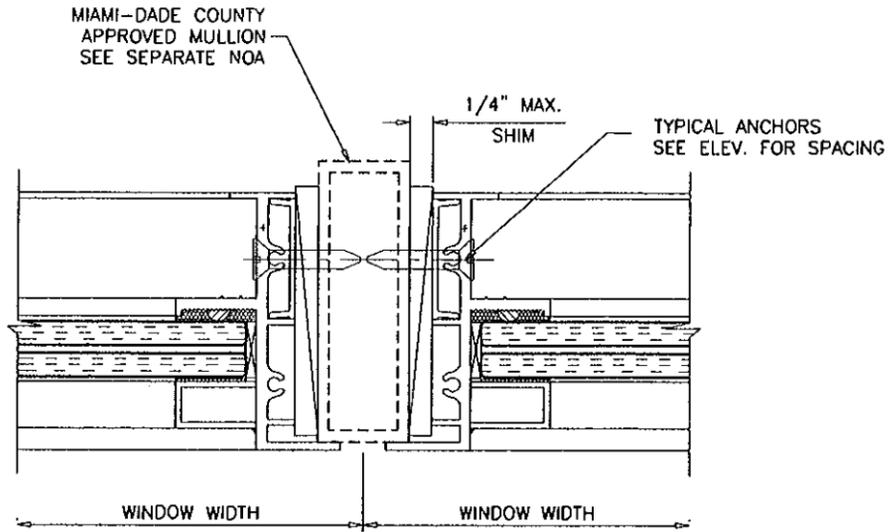
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL\W10-89FWS

SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
 7191 N.W. 77 TERRACE
 MEDLEY, FL. 33166
 TEL. (305) 805-9420 FAX (305) 805-9424

no	date	by	description
A	03.18.11		REV. PER BNC COMMENTS

date: 01-10-11
 scale: 1/2"=1'-0"
 dr. by: K.Y.
 chk. by:

drawing no.
W10-89
 sheet 3 of 5



Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

J. Ahmad
 MAR 22 2011

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No **11-0207.08**
 Expiration Date **02/23/2016**

by *J. Ahmad*
 Miami Dade Product Control

series 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
 7191 N.W. 77 TERRACE
 MEDLEY, FL. 33166
 TEL. (305) 805-9420 FAX (305) 805-9424

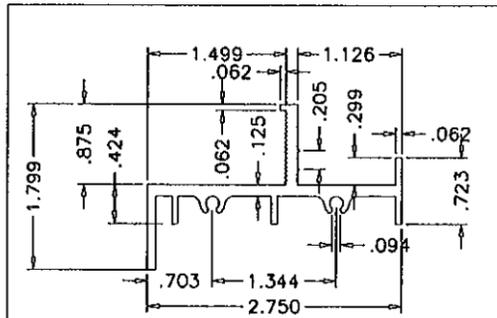
no.	date	description	by
A	03.18.11	REV. PER BNC COMMENTS	

date: 01-10-11
 scale: 1/2" = 1"
 dr. by: K.Y.
 chk. by:

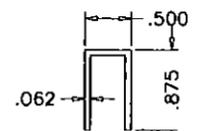
drawing no.
W10-89
 sheet 4 of 5

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \ W10-89FWS

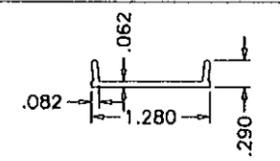
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	5336	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	-
2	5239	AS REQD.	FRAME SHEAR CLIP	6063-T6	4" LONG AT ANCHOR LOCATION
3	5029	AS REQD.	U CHANNEL	6063-T5	-
4	#8 x 1 1/4"	2	ASSEMBLY SCREW @ FRAME CORNER	CRS	PH SMS
5	WELDED JOINTS	AS REQD.	AT ROUND OR EYE BROW CONNECTION	ER4043	ALUMINUM WELD WIRE
6	SEALENT	-	AT ALL JOINTS	-	SCHNEE MOREHEAD ACRYL-R
7		-	GLAZING BUTTON	-	3" FROM END & 2" O.C.
8	GLASS		1/4"H.S. + 0.090 SGP + 1/4"H.S.	-	DUPONT SENTRYGLASS
9	SEALENT		BOSTIK CHEMCAULK 915	-	0.050" THK
10	SEALENT		GE SILGLAZE II 2800 CLEAR	-	D.108" THK
11	-		SETTING BLOCK, DUROMETER ±65	EPDM	-



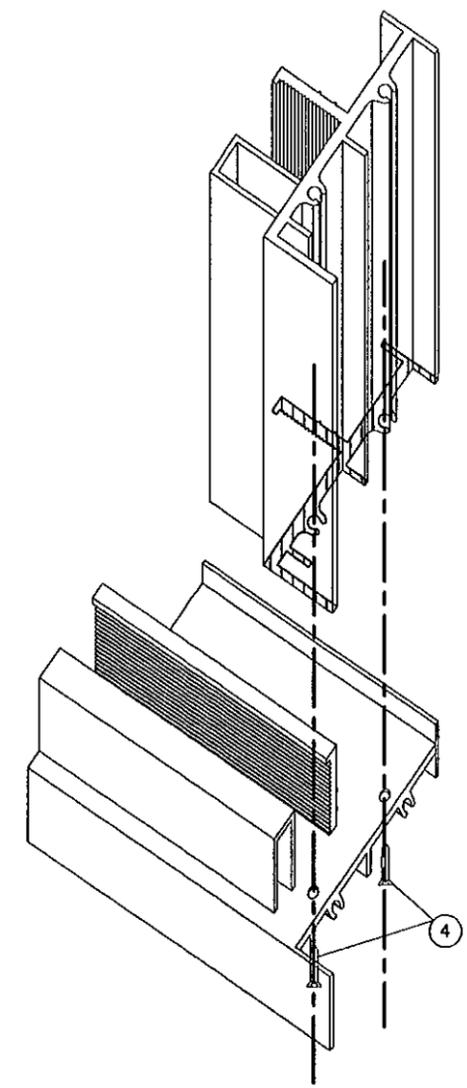
① FRAME HEAD/SILL/JAMB #5336



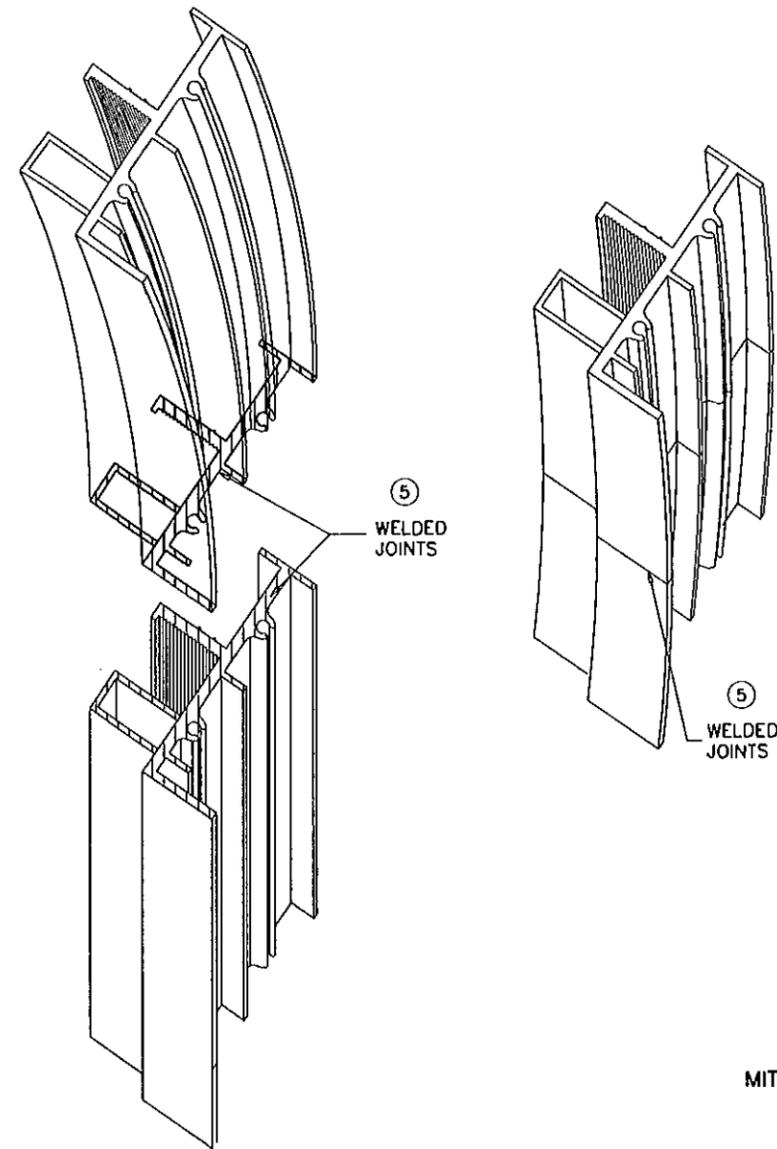
② U CHANNEL #5029



③ FRAME SHEAR CLIP #5239



90° CORNER CONNECTION



ARCH CORNER CONNECTION

MITER CORNERS

CORNER DETAILS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAR 29 2011

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-020708
Expiration Date 02/23/2016
By *[Signature]*
Miami Dade Product Control

revisions:
no date by description
A 03.18.11 REV. PER BNC COMMENTS

date: 01-10-11
scale: 1/2" = 1"
dr. by: K.Y.
chk. by:

drawing no.
W10-89
sheet 5 of 5

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP - ANL \ W10 - 89FWS

SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

af c