MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

R.C. Aluminum Industries, Inc.
2805 NW 75th Avenue
Miami, FL 33122

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 PERA - 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. PERA 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 "FX100" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-44** titled "FX100 Aluminum Fixed Window (L.M.I.)", sheets 1 through 7 of 7, dated 5/29/04, with revision G dated 6/25/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 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, model/series, 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# 10-0426.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, and Green Sustainable Attributes page G-1, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

J. Gascon 8/31/12

NOA No. 12-0713.09
Expiration Date: August 19, 2014
Approval Date: September 6, 2012

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-44** titled "FX100 Aluminum Fixed Window (L.M.I.)", sheets 1 through 7 of 7, dated 5/29/04, with revision G dated 6/25/12, 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 203-94

   along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6449,** dated 2/29/12, signed and sealed by Marlin D. Brinson, 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) Kinetic Energy Drop Load Test (400 Ft. Lb.), per ANSI Z97.1

   along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6043,** dated 10/22/09, signed and sealed by Julio E. Gonzalez, P.E. ***(Submitted under NOA# 10-0426.07)***
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   3) Kinetic Energy Drop Load Test (400 Ft. Lb.), per ANSI Z97.1

   along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5866,** dated 10/09/09, signed and sealed by Michael R. Wenzel, P.E. ***(Submitted under NOA# 10-0426.07)***
4. 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

   along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4295,** dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E. ***(Submitted under NOA# 05-0815.01)***
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 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4294,** dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E. ***(Submitted under NOA# 05-0815.01)***

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0713.09
Expiration Date: August 19, 2014
Approval Date: September 6, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

6. 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 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4290,** dated 08/16/04, signed and sealed by Edmundo Largaespada, P.E. ***(Submitted under NOA# 05-0815.01)***
7. 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
   along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4293,** dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E. ***(Submitted under NOA# 05-0815.01)***
8. 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 aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4296,** dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E. ***(Submitted under NOA# 05-0815.01)***

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 06/21/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC–2010**, dated 06/21/12, signed and sealed by Javad Ahmad, P. E.
2. Proposal # **08-1635** issued by BCCO to R.C. Aluminum Industries, Inc., dated 11/24/08, signed by Renzo Narciso, Engineer 1, Product Control Division.
   (Submitted under NOA# 10-0426.07)

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0713.09
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G. OTHERS

1. Notice of Acceptance No. **10–0426.07**, issued to R.C. Aluminum Industries, Inc. for their Series "FX100" Aluminum Fixed Window – L.M.I., approved on 08/04/10 and expiring on 08/19/14.
2. Simulation Performance, Solar Heat Gain Coefficient, Visible Transmittance, & Condensation Resistance Calculation Report on:
   1) **NFRC 100-2004** "Procedure for Determining Fenestration Product U-Factors"
   2) **NFRC 200-2004** "Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence"
   3) **NFRC 500-2004** "Procedure for Determining Fenestration Product Condensation Resistance Values"

   Using computer simulation in accordance with NFRC: Frame and Edge Modeling: THERM 5.x, / WINDOW 5.x NFRC Simulation Manual (Approved at test date), of a RC Aluminum Series "FX100" Fixed aluminum window, along with attached drawings and bill of materials included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12451.01,** pages 1 through 7 of 7, dated 11/13/09, signed by Richard A. McVicker III, Simulator, and Steven H. Coble, NFRC Accredited Simulator, Simulator-In-Responsible-Charge.
3. NFRC 102-2004 Thermal Performance Test Report on:
   1) **NFRC 102-2004** "Test Procedure for Measuring the Steady State Thermal Transmittance of Fenestration Systems"

   Test report of a series "FX100" fixed lite aluminum prime window with Low E and Argon, along with submittal component drawings, with applicable part numbers, manufacturing and modeling details included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12352-1,** pages 1 through 4 of 4, dated 11/30/09, signed by Christian J. Mitchell, Technician, and Robert H. Zeiders, P.E., Vice-President Engineering & Quality Person-In-Responsible Charge.
4. Recycled Content Determination Report on:
   Name: Fixed Window, FX100
   Raw Material: Aluminum
   Including letter from **Fundiciones Industriales S.A. (FISA)** dated March 22, 2010, certifying that the extruded aluminum products contained 30% recycled scrap material, signed by Henry Kronfle, Vice-President.

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0713.09
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R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

GREEN SUSTAINABLE ATTRIBUTES (GSA)

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division.

G.4 - RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL				
Component Name	% Recycled Content at Manuf.	% Recycled at Disposal	% Bio-based Material	% Renewable Material
1. Window Aluminum	30%	100%	N/A	N/A

G.8 – U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT^2-^{0}F G.9 – SHGC-FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR-FT^2 VT – VISIBLE LIGHT TRANSMITTANCE AT NORMAL INCIDENCE CR - CONDENSATION RESISTANCE							
ID#	Test Report#:	Product Number	Glazing Components:	G.8: U-Factor	G.9: SHGC	VT	CR
	Base line Product	000	5/32 CLR _240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.48	0.23	0.24	16
1	NCTL 110-12452-1	001	5/32 CLR _240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.48	0.23	0.24	16
2		002	5/32 CLR _240#2-SS-D_ARG_CLR-1/8_090 PVB 1/8	0.48	0.24	0.33	16
3		003	5/32 CLR _240#2-SS-D_ARG_GRN-1/8_090 PVB 1/8	0.48	0.23	0.22	16
4		004	5/32 CLR _240#2-SS-D_ARG_GRY-1/8_090 PVB 1/8	0.48	0.23	0.31	16

Legend	
Abbreviation:	Description:
SS-D	Desiccant-Filled Stainless Steel Spacer
240#2	Cardinal Low E 240 @ #2 Surface Typical
ARG	90% Argon
PVB	.090" Poly Vinyl Butyral (PVB) interlayer
CLR	Clear Glass
BRZ	Bronze Tint Glass
GRN	Green Tint Glass
GRY	Gray Tint Glass

G.10 – C-FACTOR (THERMAL CONDUCTANCE) BTU/HR-FT^2-^{0}F	
Component Name	C-Value
1. Whole Window	.95

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0713.09
Expiration Date: August 19, 2014
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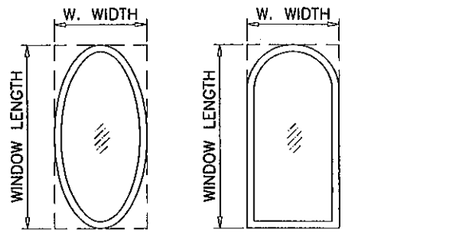
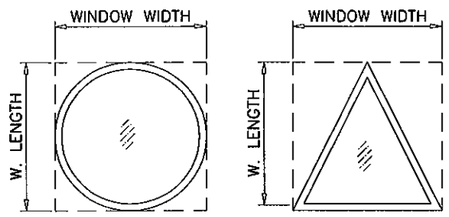
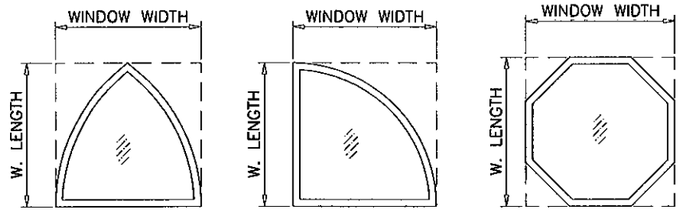
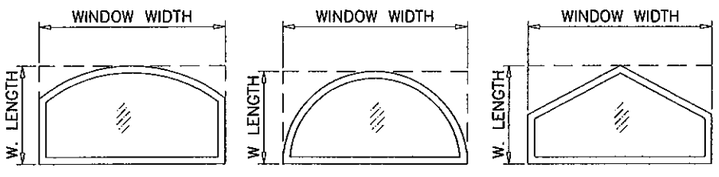
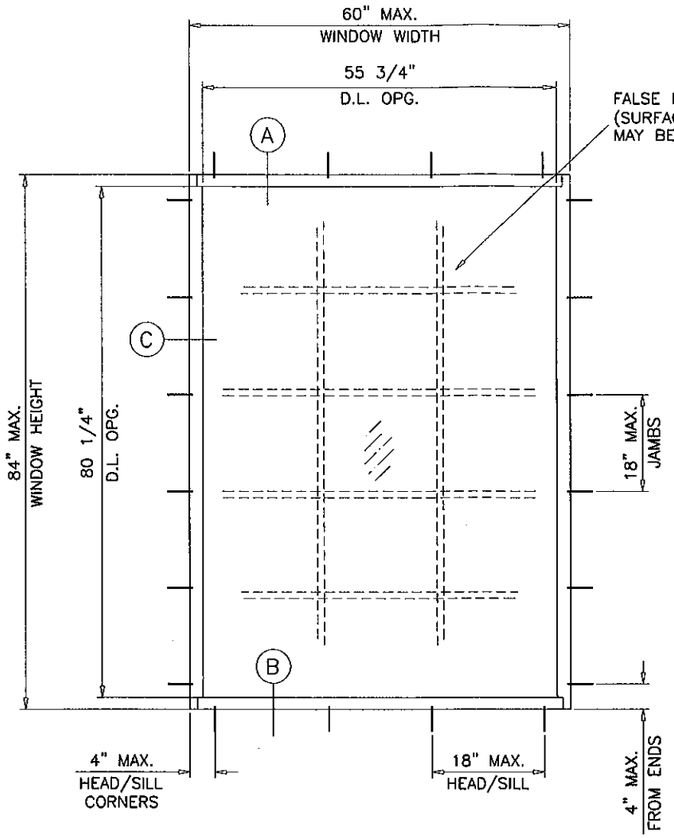


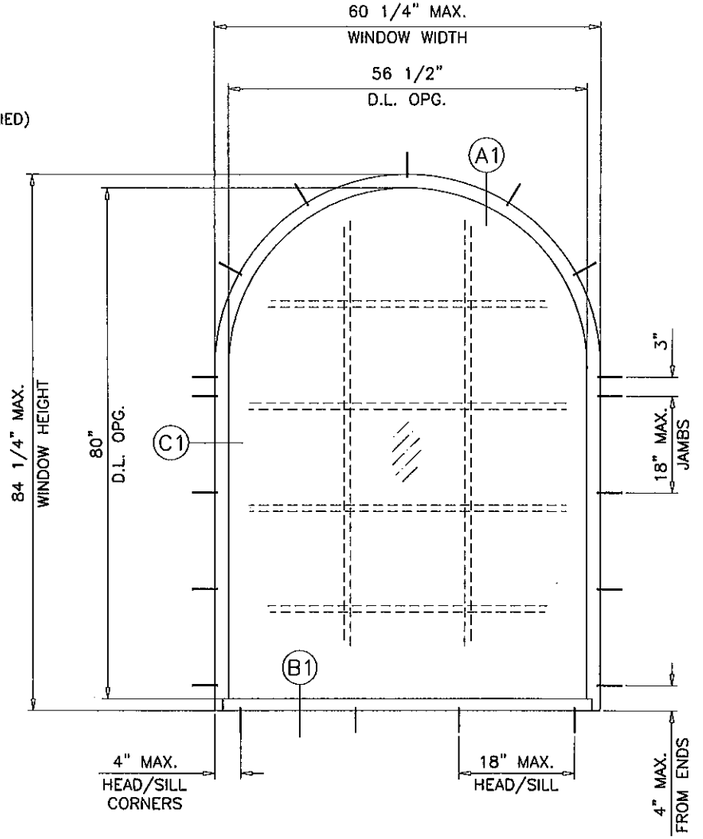






ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.





TYPICAL ELEVATION
TESTED UNITS

FX100 ALUMINUM FIXED WINDOWS

DESIGN LOAD RATING 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 OTHER MIAMI-DADE COUNTY APPR'D 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 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 THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THIS PRODUCT WITH GLASS TYPES 'C', 'D' & 'E' COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

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

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
AUG 31 2012

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0713.09
Expiration Date 8/19/2014
By Miami Dade Product Control

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-44RC

FX100 ALUMINUM FIXED WINDOW (L.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

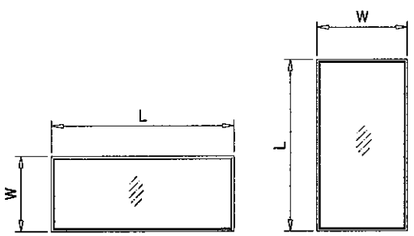
revisions:

no	date	by	description
D	01.16.06		NO CHANGE THIS SHEET
E	09.19.08		UPDATED FOR 2007 FBC
F	12.09.09		GENERAL REVISION
G	06.25.12		GENERAL REVISION

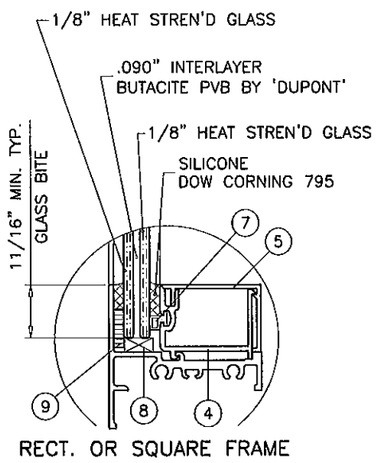
date: 05-29-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-44

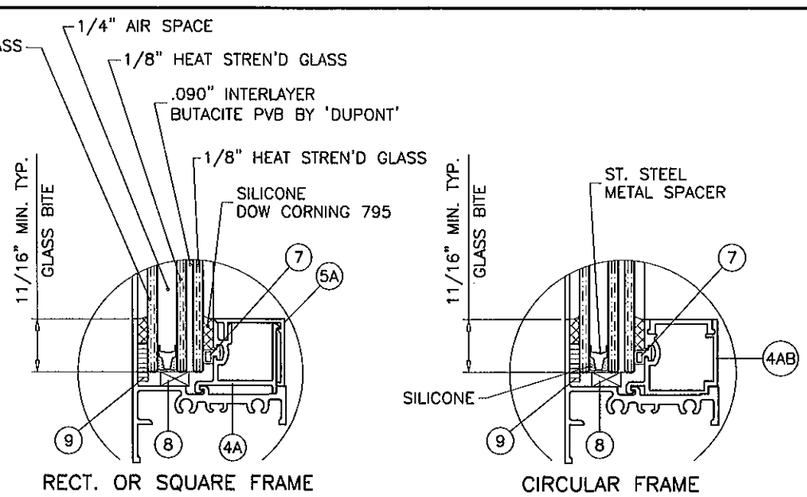
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A', 'B', 'C' & 'D'	GLASS TYPE 'E'
WIDTH	LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
19-1/8"	72"	80.0	80.0
24"		80.0	80.0
26-1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53-1/8"		80.0	80.0
60"		-	80.0
19-1/8"	76"	80.0	80.0
24"		80.0	80.0
26-1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53-1/8"		80.0	80.0
60"		-	80.0
19-1/8"	78"	-	80.0
24"		-	80.0
26-1/2"		-	80.0
30"		-	80.0
37"		-	80.0
42"		-	80.0
48"		-	80.0
53-1/8"		-	80.0
60"		-	80.0
19-1/8"	84"	-	80.0
24"		-	80.0
26-1/2"		-	80.0
30"		-	80.0
37"		-	80.0
42"		-	80.0
48"		-	80.0
53-1/8"		-	80.0
60"		-	80.0



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



GLASS TYPE 'A'



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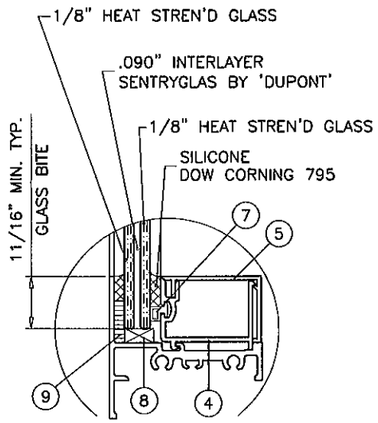
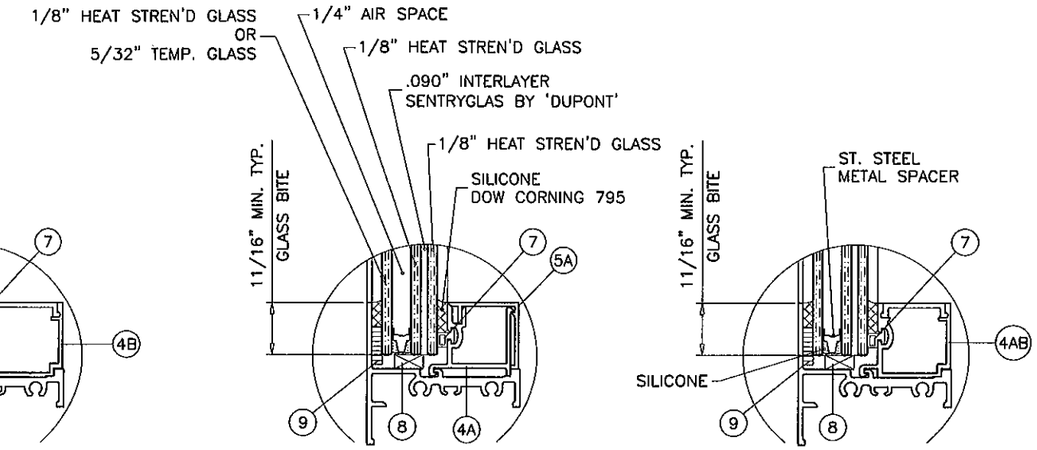
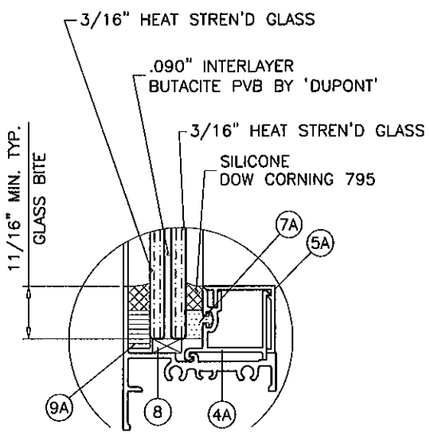


GLASS TYPE 'C'



GLASS TYPE 'D'



GLASS TYPE 'E'

NOTE:
IN ORDER TO QUALIFY FOR SMALL MISSILE IMPACT RATING EXTERIOR PLY OF GLASS TYPES 'B' & 'D' MUST BE TEMPERED.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS).

GLAZING OPTIONS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
AUG 31 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0713.09
Expiration Date 8/19/2014
By
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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TEL. (305) 264-8100 FAX. (305) 262-6978
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FX100 ALUMINUM FIXED WINDOW (L.M.I.)

revisions:			
no	date	by	description
D	01.16.06		NO CHANGE THIS SHEET
E	08.19.08		UPDATED FOR 2007 FBC
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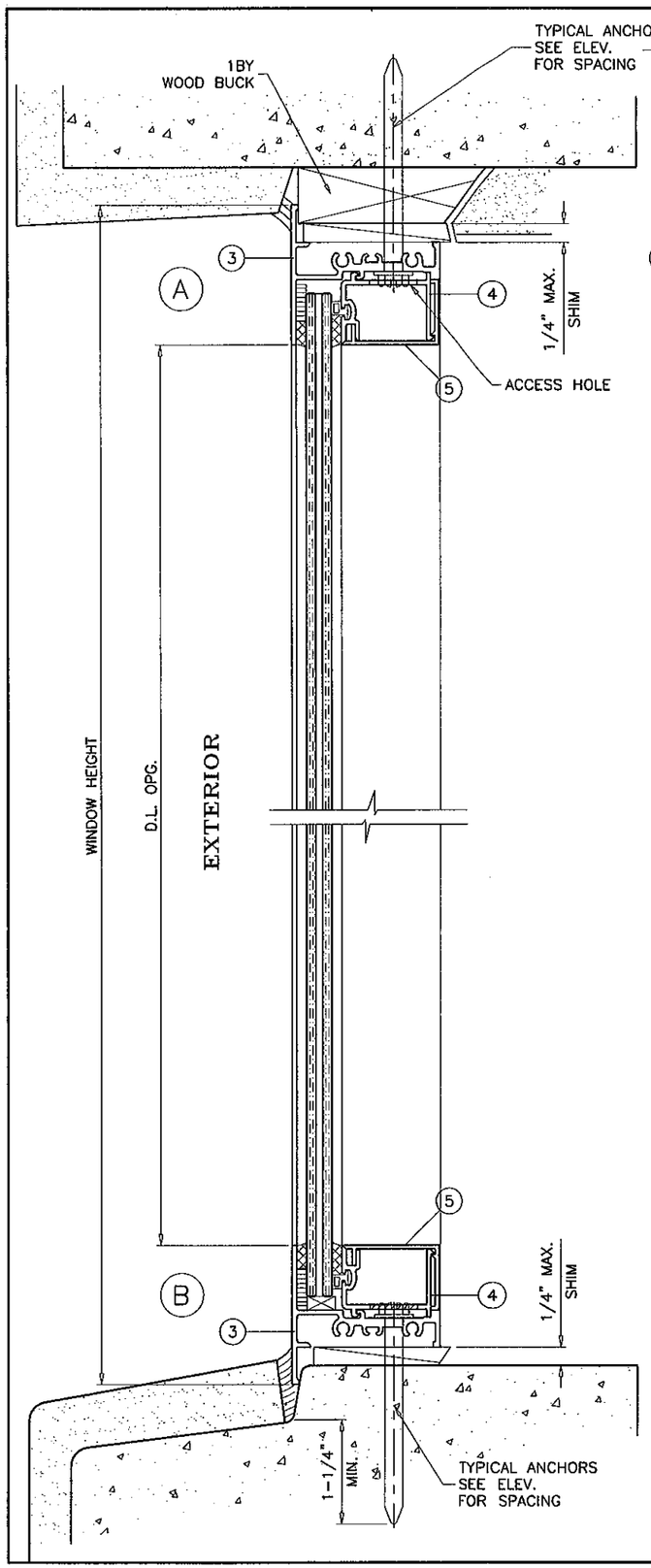
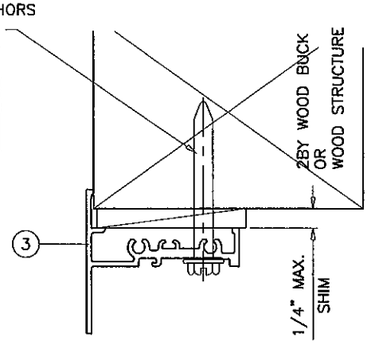
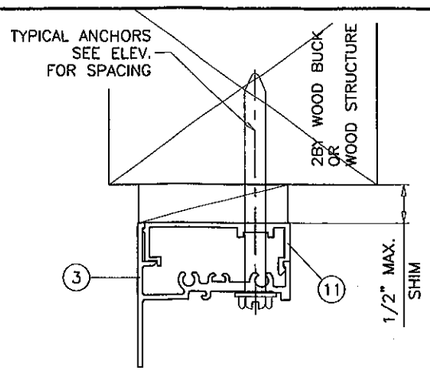
date: 05-29-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

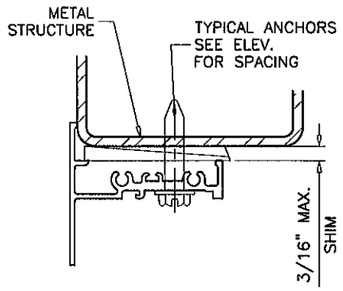
drawing no.
W04-44

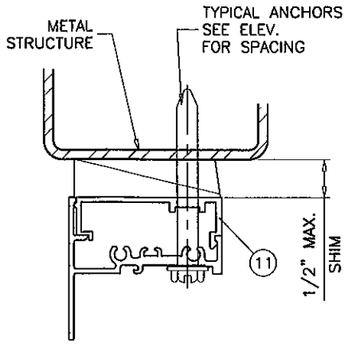
sheet 2 of 7



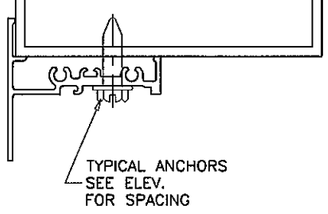








MIAMI-DADE COUNTY APPROVED
MULLION & MULLION ANCHORS
SEE SEPARATE NOA



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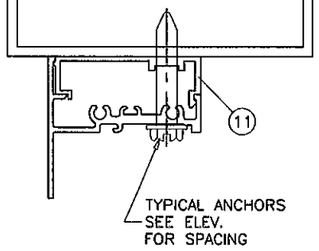
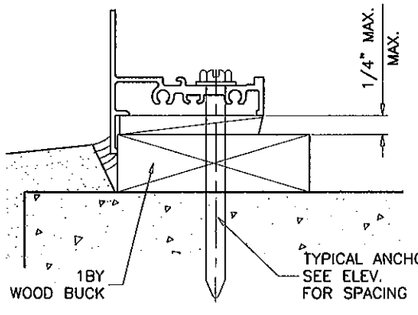
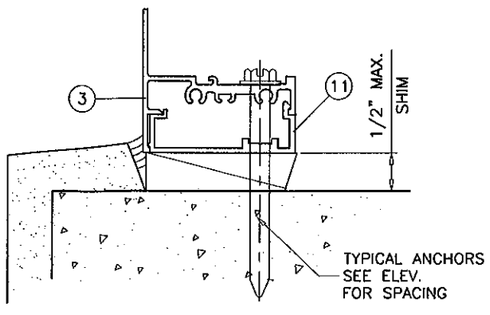






WOOD BUCKS AND METAL STRUCTURE NOT BY RC ALUMINUM
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" 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

1/4" DIA. KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI' (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")

INTO METAL STRUCTURES
STEEL : 12 GA. 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" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS SEALED WITH
JOINT SEALANT.

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

AUG 31 2012

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-071309
Expiration Date 8/19/2014
By Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-44RC

FX100 ALUMINUM FIXED WINDOW (L.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

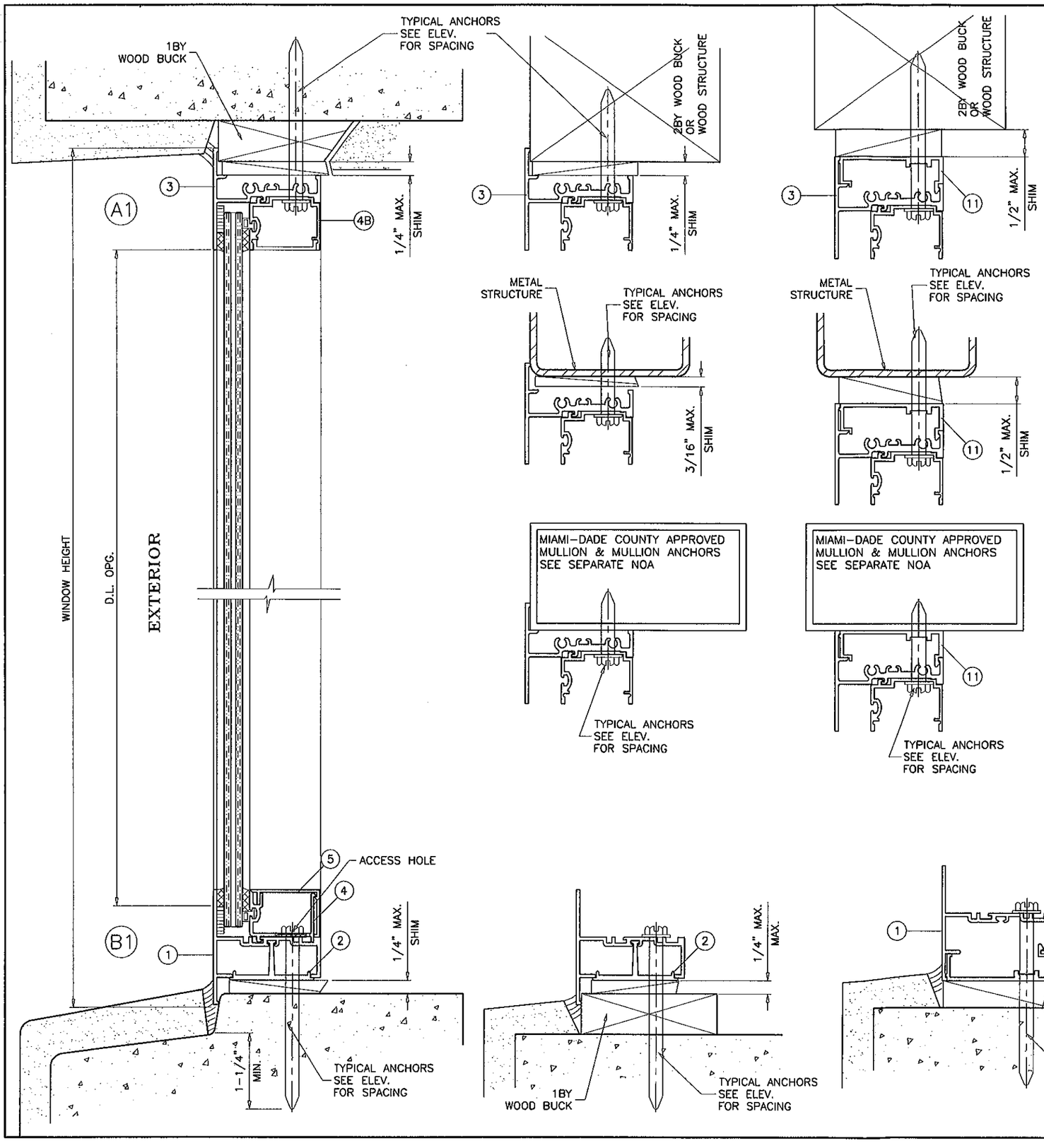
revisions:

no	date	by	description
D	01.16.06		ALUM STRUCTURE REV.
E	09.19.08		UPDATED FOR 2007 FBC
F	12.09.09		GENERAL REVISION
G	06.25.12		GENERAL REVISION

date: 05-29-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-44

sheet 3 of 7



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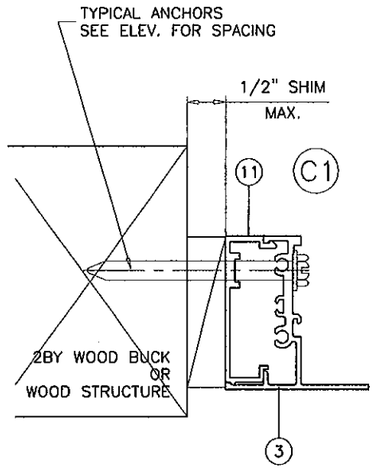

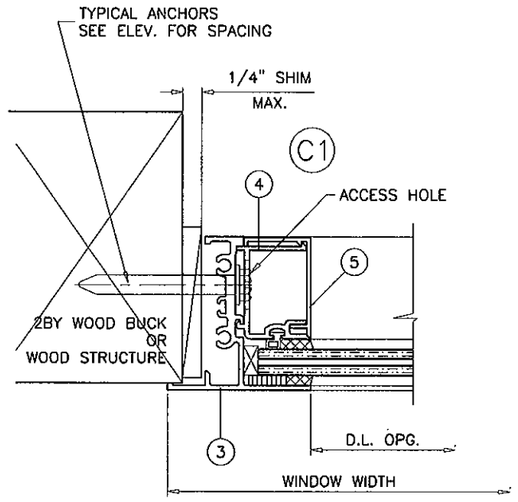

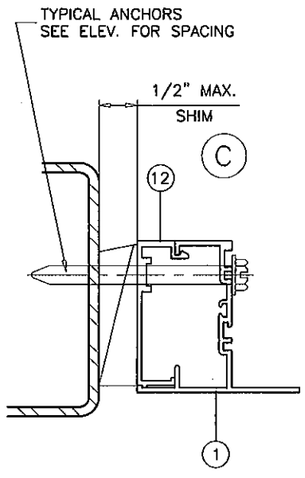

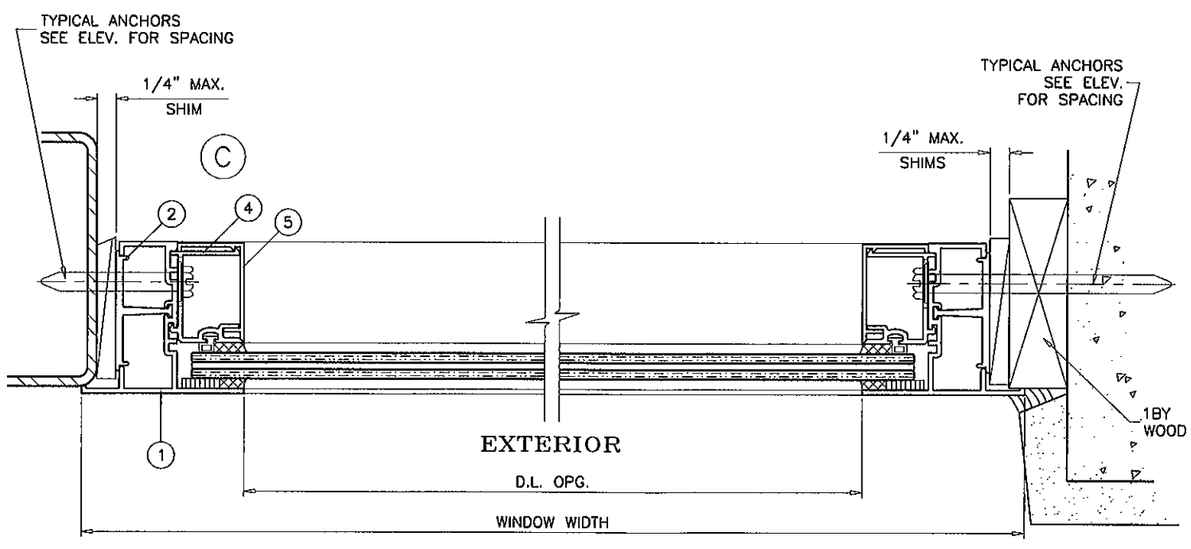

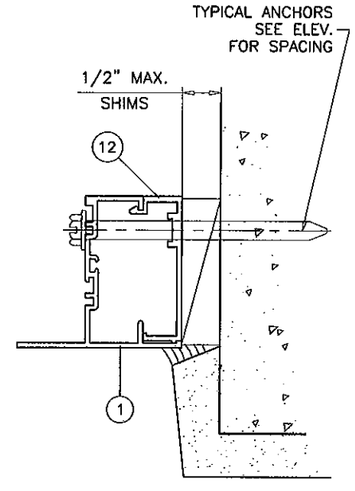

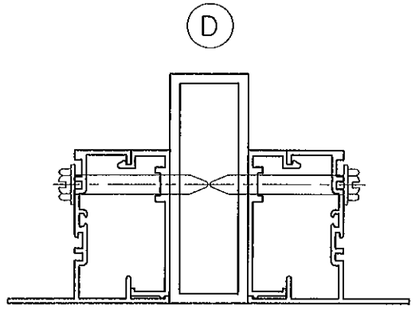

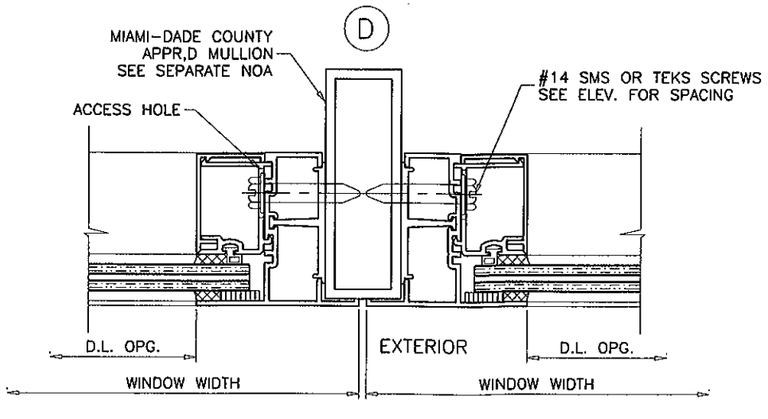

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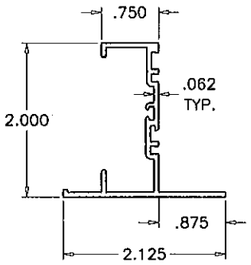
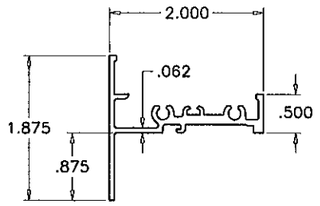
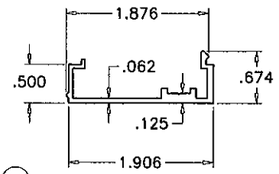


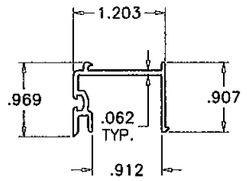
(1) FRAME JAMB/SILL



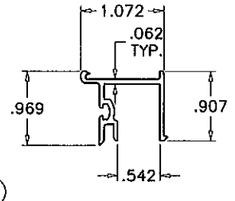
(3) FRAME HEAD/SILL/JAMB



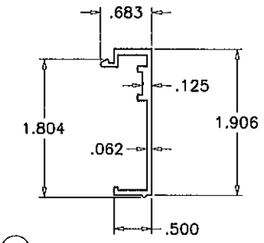
(11) FLUSH ADAPTER HEAD/SILL



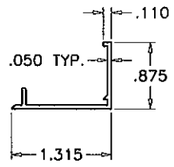
(4) GLASS STOP (LAM. GLASS)



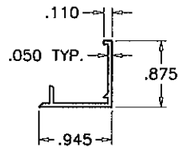
(4A) GLASS STOP (LAM. INSUL. GLASS)



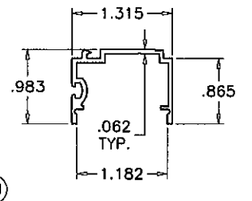
(12) FLUSH ADAPTER JAMBS



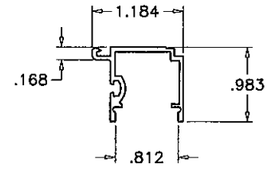
(5) SNAP COVER (LAM. GLASS)



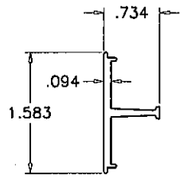
(5A) SNAP COVER (LAM. INSUL. GLASS)



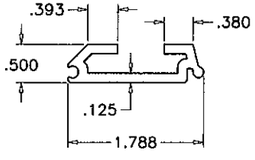
(4B) GLASS STOP (LAM. GLASS) FOR CIRCULAR FRAME



(4AB) GLASS STOP (LAM. INSUL. GLASS) FOR CIRCULAR FRAME

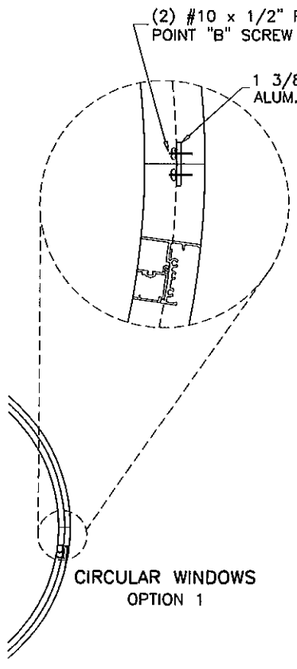


(2) JAMB/SILL ANCHOR CLIP

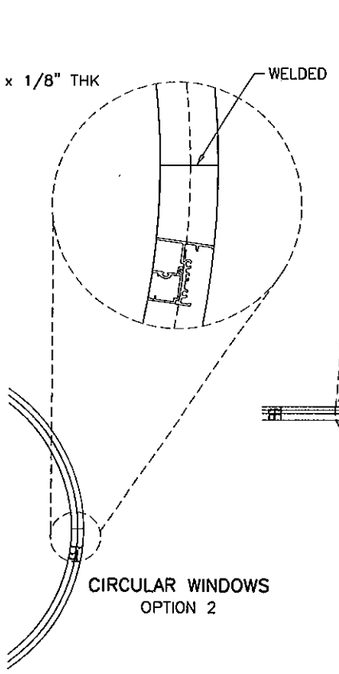


(6) CORNER LOCK

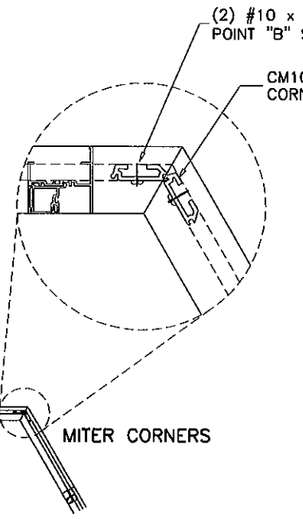
ITEM NO.	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CM100-007	AS REQD.	FRAME JAMB/SILL	6063-T6	FOR FIXED WINDOW
2	CM100-012	AS REQD.	JAMB/SILL ANCHOR CLIP	6063-T6	–
3	CM100-015	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	–
4	CM100-016	4/ WDW	GLAZING BEAD (LAM. GLASS)	6063-T6	–
4A	CM100-017	4/ WDW	GLAZING BEAD (LAM. INS. GLASS)	6063-T6	–
4B	CM100-029	4/ WDW	GLAZING BEAD (LAM. GLASS)	6063-T6	FOR CIRCULAR FRAME
4AB	CM100-028	4/ WDW	GLAZING BEAD (LAM. INS. GLASS)	6063-T6	FOR CIRCULAR FRAME
5	CM100-018	4/ WDW	SNAP COVER (LAM. GLASS)	6063-T6	–
5A	CM100-019	4/ WDW	SNAP COVER (LAM. INSUL. GLASS)	6063-T6	–
6	CM100-031	AS REQD.	CORNER LOCK	6063-T6	–
7	V-059	AS REQD.	VINYL FOR 5/16" LAM. & INSUL. LAM. GLASS	PVC	–
7A	V-038	AS REQD.	VINYL FOR 7/16" LAM. GLASS	PVC	–
8		AS REQD.	3/16" X 3/8" X 4" LG. SETTING BLOCK	–	–
9		AS REQD.	1/8" X 1/2" SINGLE FACE TAPE	–	–
9A		AS REQD.	5/16" X 1/2" SINGLE FACE TAPE	–	–
10	#10 X 1"	2/ CORNER	FRAME ASSEMBLY SCREW	ST. STEEL	PH PHL. SMS
11	CM100-035	AS REQD.	FLUSH ADAPTER HEAD/SILL	6063-T6	–
12	CM100-034	AS REQD.	FLUSH ADAPTER JAMBS	6063-T6	–



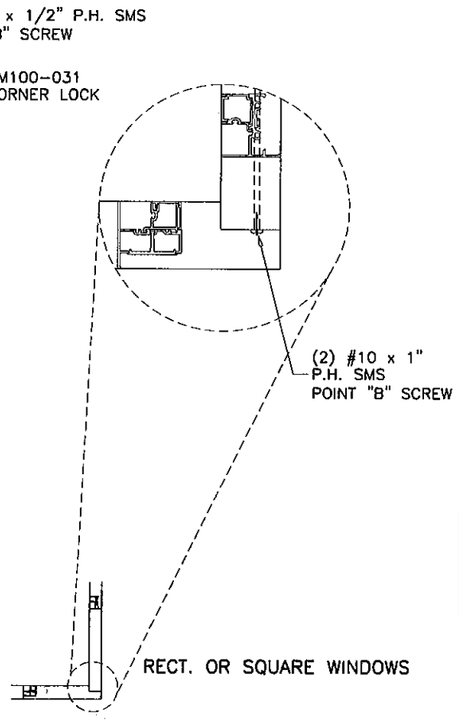
CIRCULAR WINDOWS
OPTION 1



CIRCULAR WINDOWS
OPTION 2



MITER CORNERS



RECT. OR SQUARE WINDOWS

FRAME CORNERS

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chk. by:

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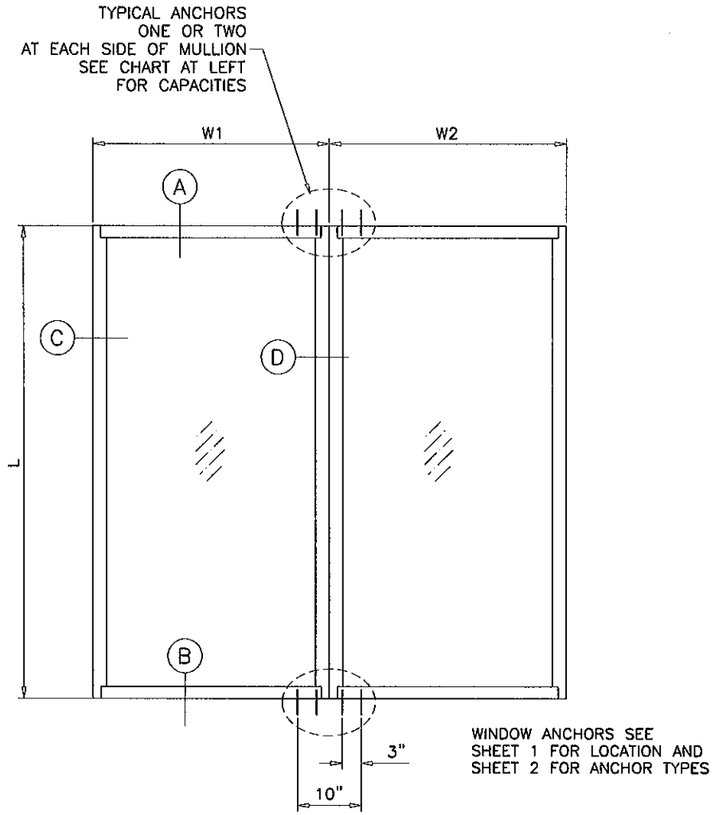
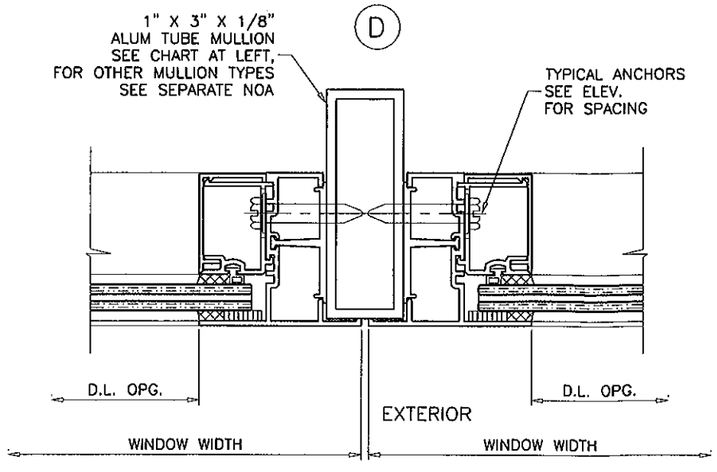
sheet 6 of 7

DESIGN LOAD CAPACITY - PSF SIDE/SIDE OR TOP/BOTTOM WINDOWS			
WINDOW DIMS.		ONE ANCHOR AT EACH SIDE OF MULLION	TWO ANCHORS AT EACH SIDE OF MULLION
WIDTH (W)	LENGTH (L)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
19-1/8"	38-3/8"	80.0	80.0
24"		80.0	80.0
26-1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53-1/8"		80.0	80.0
19-1/8"	48"	80.0	80.0
24"		72.5	80.0
26-1/2"		72.5	80.0
30"		72.5	80.0
37"		70.5	80.0
42"		62.1	80.0
48"		62.1	80.0
53-1/8"		62.1	80.0
19-1/8"	50-5/8"	80.0	80.0
24"		68.7	80.0
26-1/2"		68.7	80.0
30"		68.7	80.0
37"		66.8	80.0
42"		58.9	80.0
48"		58.9	80.0
53-1/8"		58.9	80.0
19-1/8"	60"	72.7	80.0
24"		58.0	80.0
26-1/2"		58.0	80.0
30"		58.0	80.0
37"		56.4	80.0
42"		49.7	80.0
19-1/8"	63"	69.3	80.0
24"		55.2	80.0
26-1/2"		55.2	80.0
30"		55.2	80.0
37"		53.7	80.0
42"		47.3	78.9
19-1/8"	66"	66.1	80.0
24"		52.7	80.0
26-1/2"		52.7	80.0
30"		52.7	80.0
37"		51.3	80.0
19-1/8"	72"	60.6	80.0
24"		48.3	80.0
26-1/2"		48.3	80.0
30"		48.3	77.3
37"		47.0	77.3
19-1/8"	74-1/4"	58.8	80.0
24"		46.8	80.0
26-1/2"		46.8	80.0
30"		46.8	74.9
37"		45.6	74.9



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

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



NOTES:

1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF 1X3 WINDOW MULLION.
2. FOR FIXED WINDOW CAPACITY SEE SHEET 2.
3. FOR OTHER MULLION TYPES SEE SEPARATE NOA.
4. USE SMALLER DESIGN LOAD CAPACITY OF 1, 2 OR 3 ABOVE.

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

AUG 31 2012

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0713.09
Expiration Date 8/19/2014
By
Miami Dade Product Control

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

COMP-ANL\W04-44RC

FX100 ALUMINUM FIXED WINDOW (L.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:

no	date	by	description
D	01.16.06		NO CHANGE THIS SHEET
E	09.19.08		UPDATED FOR 2007 FBC
F	12.09.09		GENERAL REVISION
G	06.25.12		GENERAL REVISION

date: 05-29-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-44

sheet 7 of 7