



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)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**R. C. Aluminum Industries, Inc.**  
2805 NW 75<sup>th</sup> Ave.  
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 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 FX100 Aluminum Fixed Window -L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W04-44**, titled "Series FX100 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporations, dated 05/29/04 with revision "D" on 01/16/06, 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 # **04-0608.04** and, consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



*Herminio F. Gonzalez*  
2/16/06

NOA No 05-0815.01  
Expiration Date: August 19, 2009  
Approval Date: March 09, 2006  
Page 1

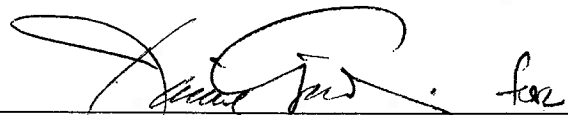
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-44**, titled "Series FX100 Aluminum Fixed Window L.M.I.", sheets 1 through 5 of 5, prepared by AL-Farooq, dated 05/29/04, with revision "D" on 01/16/06, 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 (b) and TAS 202-94along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4295**, dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E.
2. Test reports on
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4294**, dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E.
3. Test reports on
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4290**, dated 08/16/04, signed and sealed by Edmundo Largaespada, P.E.
4. Test reports on
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4289**, dated 08/16/04, signed and sealed by Edmundo Largaespada, P.E.
5. Test reports on
  - 1) Large Missile Impact Test per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4296**, dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E.



Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office

NOA No 05-0815.01

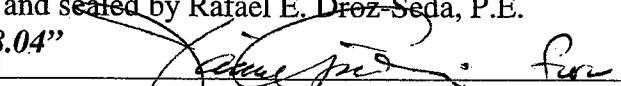
Expiration Date: August 19, 2009

Approval Date: March 09, 2006

**R.C. Aluminum Industries, Inc.**

**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) 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 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4295**, dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E.
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  
6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum fixed rectangle window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4293**, dated 10/08/04, signed and sealed by Edmundo Largaespada, P.E.
8. 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 a aluminum fixed window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1346**, dated September 16, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.  
**"Submitted under NOA# 04-0608.04"**
9. 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 a aluminum fixed window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1350**, dated October 16, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.  
**"Submitted under NOA# 04-0608.04"**
10. 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 a aluminum fixed window, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1856**, dated September 17, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.  
**"Submitted under NOA# 04-0608.04"**

  
Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office

NOA No 05-0815.01

Expiration Date: August 19, 2009

Approval Date: March 09, 2006

**R.C. Aluminum Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

11. 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 a aluminum fixed window,  
prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1859**,  
dated January 16, 2004, signed and sealed by Rafael E. Droz-Seda, P.E.  
**"Submitted under NOA# 04-0608.04"**

**C. CALCULATIONS**

1. Revised Anchor Calculations and structural analysis, prepared by AL-Farooq Corporation, dated 11/16/05, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-98**  
**No 1/3 stress increase used in anchors into masonry or steel substrate.**
2. Anchor Calculations and structural analysis, prepared by AL-Farooq Corporation, dated 12/29/2004, signed and sealed by Humayoun Farooq, P.E.
3. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 05/28/04 signed and sealed by Humayoun Farooq, P.E.  
**"Submitted under NOA# 04-0608.04"**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

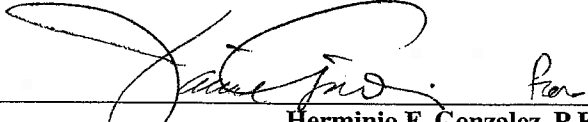
1. Notice of Acceptance No. 05-1208.02, issued to E.I. DuPont DeNemours, for  
"Duponut Butacite ® PVB", approved on 01/06/06 and expiring on 12/11/10.

**F. STATEMENTS**

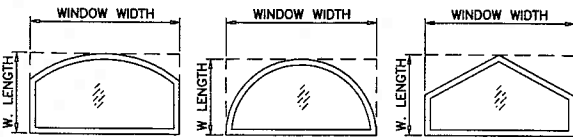
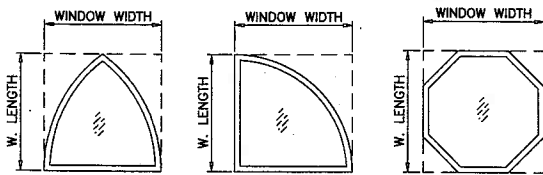
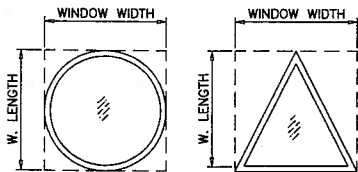
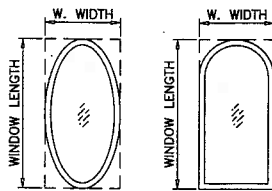
1. Statement letter of Compliance, dated May 28, 2004 signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated May 28, 2004 signed and sealed by Humayoun Farooq, P.E.

**G. OTHER**

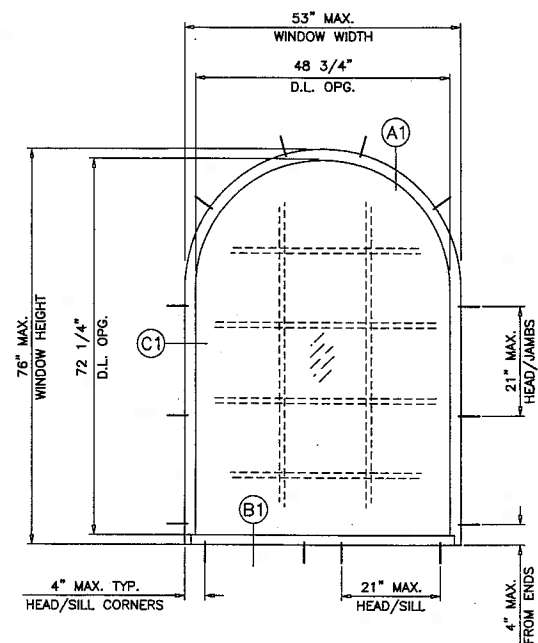
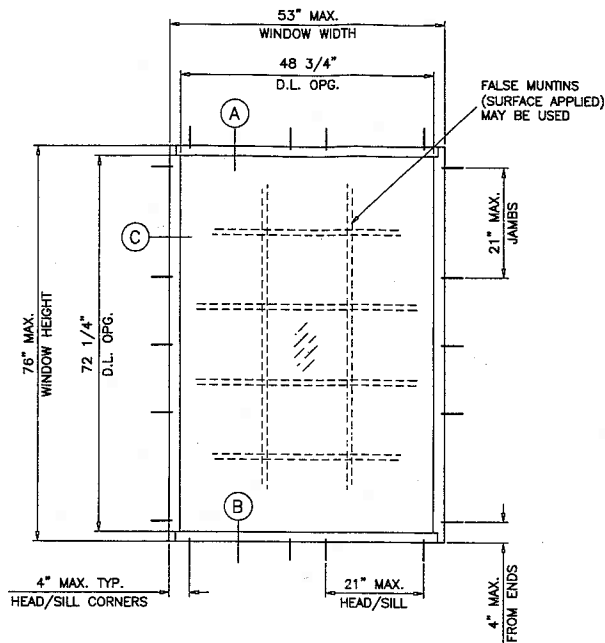
1. Letter from the consultant, dated 12/15/05, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **04-0608.04**, issued to R.C. Aluminum Industries, Inc.,  
"Series FX100 Aluminum Fixed Window L.M.I.", approved on 08/19/04 and expiring on 08/19/09.

  
\_\_\_\_\_  
Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office

NOA No 05-0815.01  
Expiration Date: August 19, 2009  
Approval Date: March 09, 2006



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING 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 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 LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

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

PRODUCT REVIEWED  
in compliance with the Florida  
Building Code  
Approval No. 05-0815.01  
Examination No. 0479103  
By: *[Signature]*  
Miami-Dade Product Control  
Division

WINDOWS GLAZED WITH LAMINATED GLASS  
RATED FOR LARGE MISSILE IMPACT  
AND DO NOT REQUIRE SHUTTERS.

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

DEC 05 2005

*afc*

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

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**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

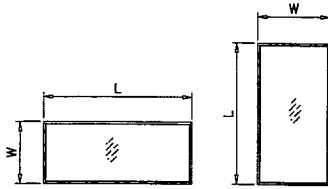
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|----|----------|------------------------|----|
| A  | 07.09.04 | NO CHANGE THIS SHEET   |    |
| B  | 12.08.04 | ALT SHAPES ADDED       |    |
| C  | 12.01.05 | REV. PER BCDD COMMENTS |    |
| D  | 01.16.06 | NO CHANGE THIS SHEET   |    |

date: 05-28-04  
scale: 1/2"=1'-0"  
dr. by: HAMD  
chk. by:

drawing no.  
**W04-44**

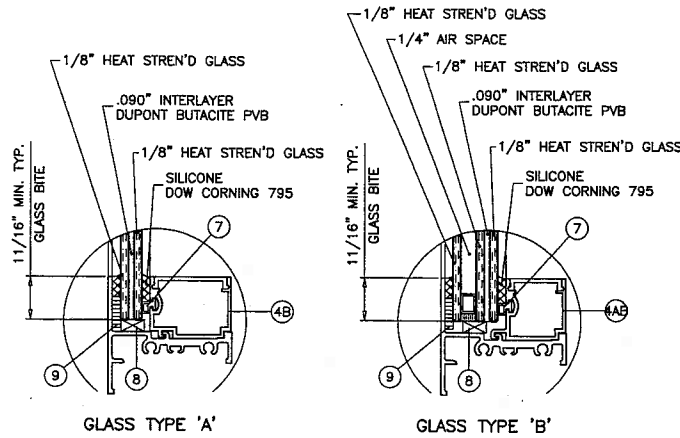
sheet 1 of 5

| DESIGN LOAD CAPACITY - PSF<br>BASED ON<br>ASTM E1300-98 (60 SEC. WIND) |         |                          |
|--|---------|--------------------------|
| WINDOW DIMS.   |         | GLASS TYPES<br>'A' & 'B' |
| WIDTH  | LENGTH  | EXT.(+)/INT.(-)          |
| 19-1/8"  | 50-5/8" | 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    |                          |
| 19-1/8"  | 60"     | 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"  | 76.3    |                          |
| 19-1/8"  | 63"     | 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"  | 78.7    |                          |
| 19-1/8"  | 66"     | 80.0                     |
| 24"  |         | 80.0                     |
| 26-1/2"  |         | 80.0                     |
| 30"  |         | 80.0                     |
| 37"  |         | 80.0                     |
| 42"  |         | 80.0                     |
| 48"  | 79.7    |                          |
| 53-1/8"  | 74.5    |                          |
| 19-1/8"  | 72"     | 80.0                     |
| 24"  |         | 80.0                     |
| 26-1/2"  |         | 80.0                     |
| 30"  |         | 80.0                     |
| 37"  |         | 77.3                     |
| 42"  |         | 70.9                     |
| 48"  | 67.0    |                          |
| 53-1/8"  | 64.1    |                          |
| 19-1/8"  | 76"     | 80.0                     |
| 24"  |         | 80.0                     |
| 26-1/2"  |         | 80.0                     |
| 30"  |         | 80.0                     |
| 37"  |         | 72.4                     |
| 42"  | 65.9    |                          |
| 48"  | 62.3    |                          |

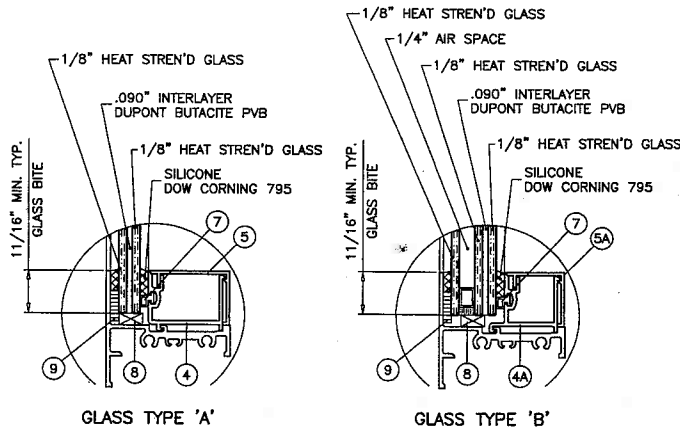


NOTE:  
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

| DESIGN LOAD CAPACITY - PSF<br>BASED ON<br>ASTM E1300-02 (3 SEC. GUSTS) |         |                          |
|--|---------|--------------------------|
| WINDOW DIMS.   |         | GLASS TYPES<br>'A' & 'B' |
| WIDTH  | LENGTH  | EXT.(+)/INT.(-)          |
| 19-1/8"  | 50-5/8" | 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    |                          |
| 19-1/8"  | 60"     | 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    |                          |
| 19-1/8"  | 63"     | 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    |                          |
| 19-1/8"  | 66"     | 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    |                          |
| 19-1/8"  | 72"     | 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    |                          |
| 19-1/8"  | 76"     | 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    |                          |



CIRCULAR FRAME



RECT. OR SQUARE WINDOWS

GLAZING OPTIONS

PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Amendment No. 05-0815.01  
Expiration Date 08/19/09  
By: *[Signature]*  
Miami Dade Product Control  
Division

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3539

DEC 05 2005

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

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**FX100 ALUMINUM FIXED WINDOW (L.M.I.)**  
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2805 N.W. 75 TH AVE.  
MIAMI, FL. 33122  
TEL. (305) 592-1515 FAX. (305) 592-2184

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| no. | date     | description          |
|-----|----------|----------------------|
| A   | 07.09.04 | NO CHANGE THIS SHEET |
| B   | 12.06.04 | LOAD CHART REV.      |
| C   | 12.01.05 | LOAD CHART REV.      |
| D   | 01.16.06 | NO CHANGE THIS SHEET |

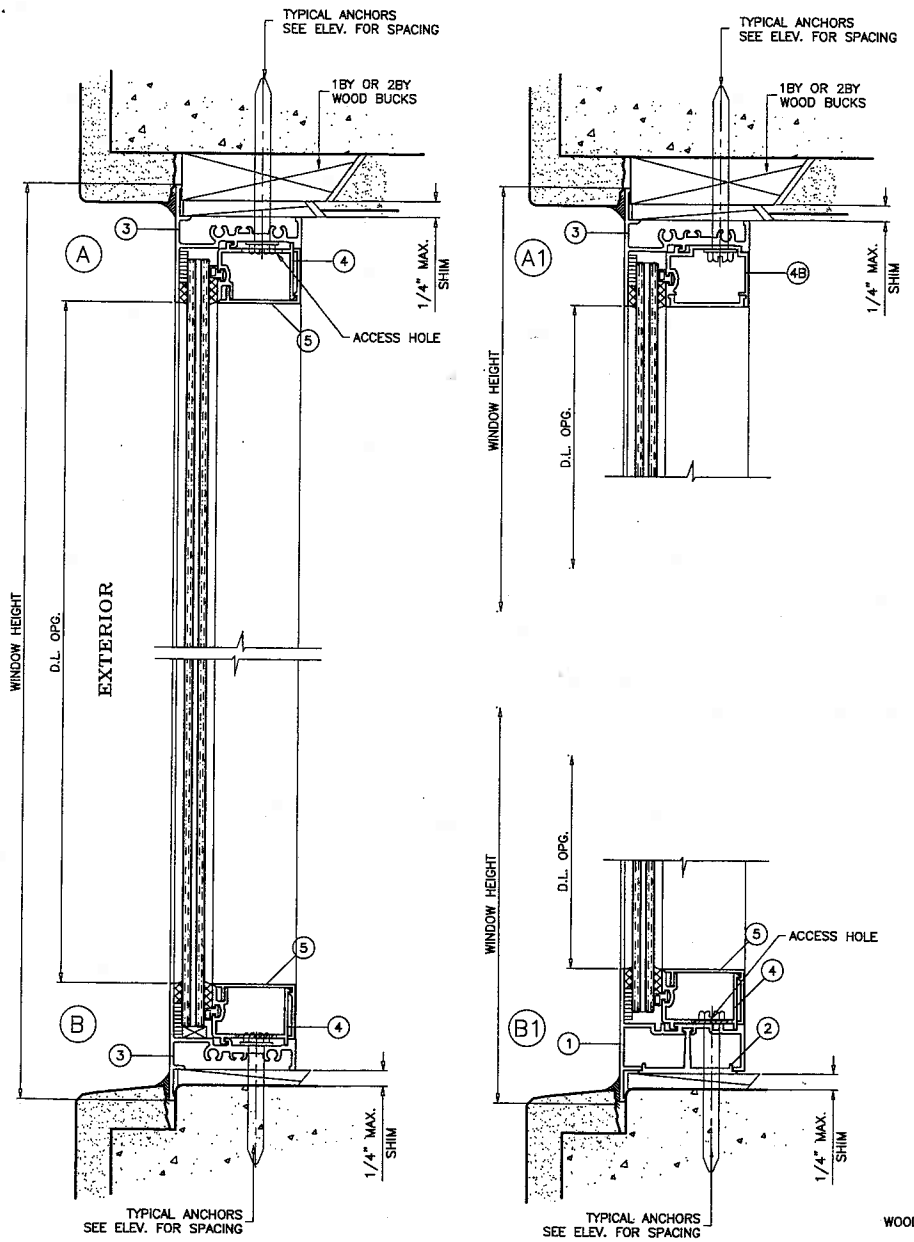
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|                |                   |
|----------------|-------------------|
| date: 05-29-04 | scale: 1/2"=1'-0" |
| dr. by: HAMID  | chk. by:          |

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drawing no.  
**W04-44**

sheet 2 of 5



METAL STRUCTURES  
(STEEL OR ALUM. 1/8" MIN. THICK)  
STEEL :  $F_y = 36$  KSI MIN.  
ALUMINUM : 6063-T6 MIN.

MIAMI-DADE COUNTY  
APPROVED MULLION  
& MULLION ANCHORS

TYPICAL ANCHORS  
SEE ELEV. FOR SPACING

WOOD BUCKS 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" HILTI KWIK-CON II  
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

1/4" HILTI KWIK-CON II  
DIRECTLY INTO  
3000 PSI MIN. CONC. OR C-90 GROUT FILLED BLOCK  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4-20 TEKS SELF DRILLING SCREWS  
INTO METAL STRUCTURES  
(STEEL OR ALUMINUM 1/8" MIN. THICK.)

STEEL :  $F_y = 36$  KSI MIN.  
ALUMINUM : 6063-T6 MIN.

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

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

**PRODUCT REVIEWED**  
as complying with the Florida  
Building Code  
Approval No. 05-0615-01  
Expiration Date: 06/19/10  
By: [Signature]  
Miami Dade Product Control  
Division

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

DEC 05 2005

*a f c*

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6878  
COMP-ANL W04-44RC

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

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| REV. | DATE     | BY | DESCRIPTION            |
|------|----------|----|------------------------|
| A    | 07.08.04 |    | REV. PER RCSD COMMENTS |
| B    | 12.08.04 |    | ALT. SIZES ADDED       |
| C    | 12.01.05 |    | METAL ANCHORS REV.     |
| D    | 01.16.06 |    | ALUM STRUCTURE REV.    |

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

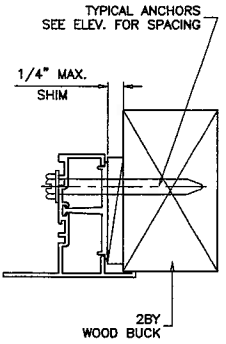
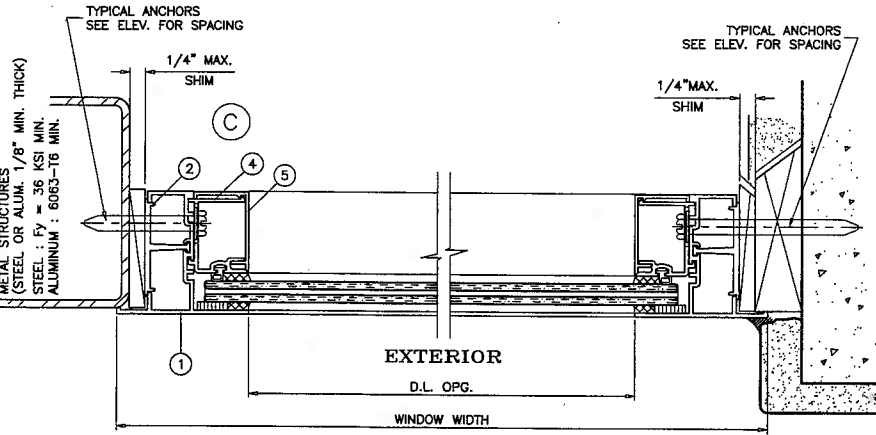
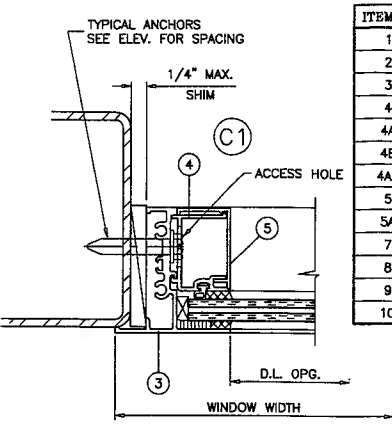
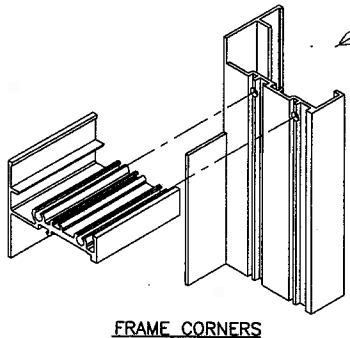
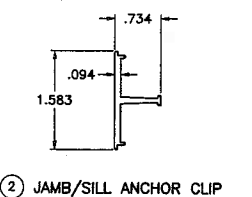
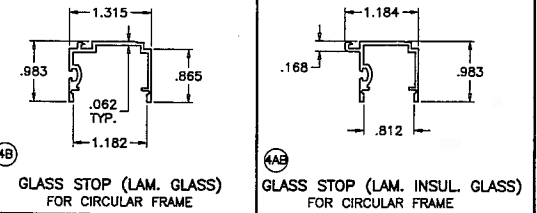
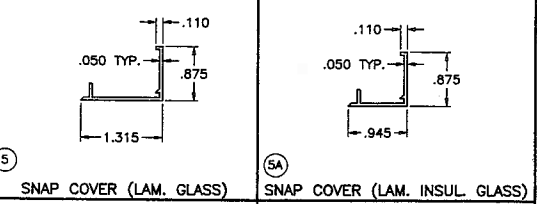
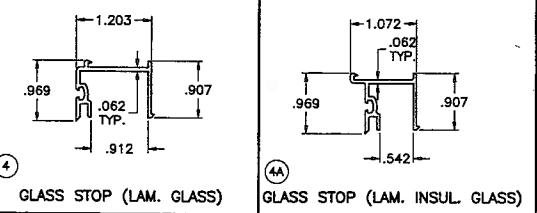
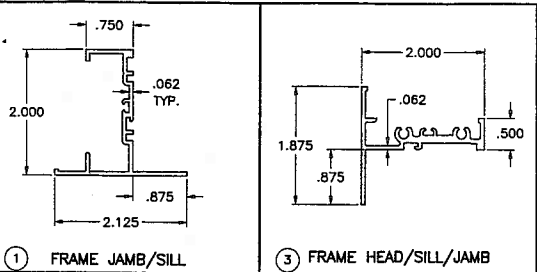
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drawing no.  
**W04-44**

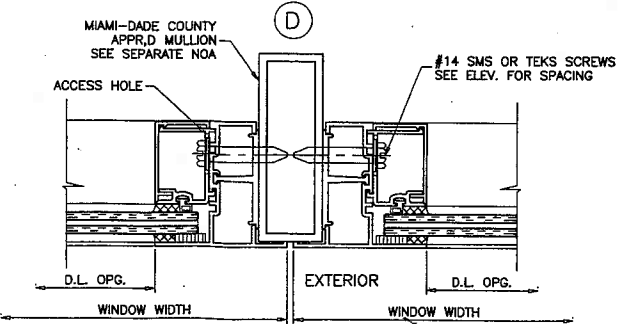
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sheet 3 of 5

| ITEM NO. | PART NUMBER | 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   | -                      |
| 7        | V-059       | AS REQD.  | VINYL FOR LAM. & LAM. INSUL. 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        | -         | -                      |
| 10       | #10 X 1"    | 2/ CORNER | FRAME ASSEMBLY SCREW                | ST. STEEL | PH PHL SMS             |



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-0615.01  
 Expires Date 08/15/09  
 By: [Signature]  
 Miami Dade Product Control  
 Division



Engr: DR. HUMAYUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 DEC 05 2005

**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANI\W04-44RC

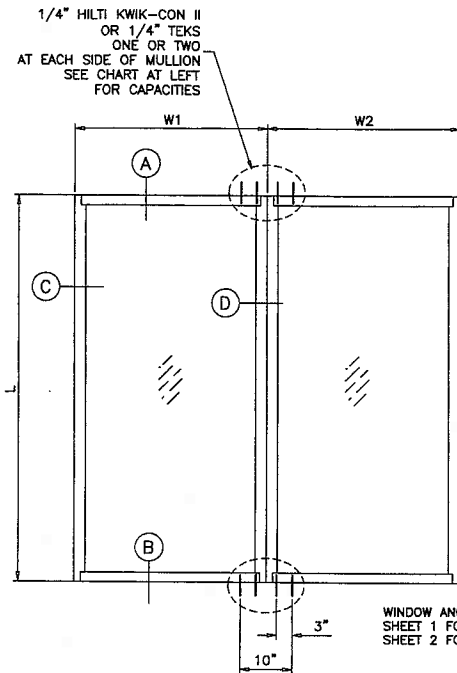
**FX100 ALUMINUM FIXED WINDOW (L.M.I.)**  
**R.C. ALUMINUM INDUSTRIES INC.**  
 2805 N.W. 75 TH AVE.  
 MIAMI, FL. 33122  
 TEL. (305) 592-1515 FAX. (305) 592-2184

| no | date     | by                     | description |
|----|----------|------------------------|-------------|
| A  | 07/09/04 | REV. PER BCCD COMMENTS |             |
| B  | 12/08/04 | ALT. SHIMMS ADDED      |             |
| C  | 12/01/05 | NO CHANGE THIS SHEET   |             |
| D  | 01/16/06 | ALUM. STRUCTURE REV.   |             |

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

drawing no.  
**W04-44**  
 sheet 4 of 5

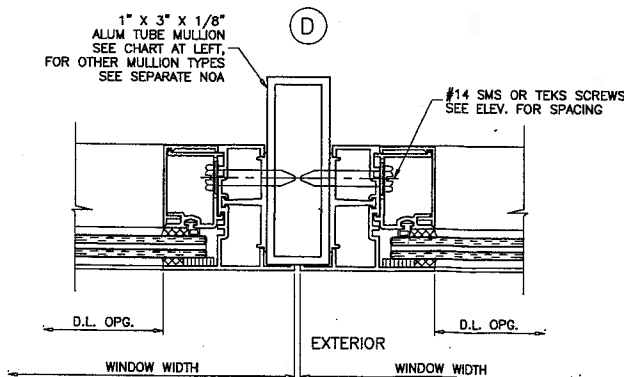
| DESIGN LOAD CAPACITY - PSF<br>SIDE/SIDE OR TOP/BOTTOM WINDOWS |            |  |   |
|---|------------|--|---|
| WINDOW DIMS.  |            | ONE ANCHOR<br>AT EACH SIDE<br>OF MULLION | TWO ANCHORS<br>AT EACH SIDE<br>OF MULLION |
| WIDTH (W)   | LENGTH (L) | EXT.(+)/INT.(-)                          |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

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

- 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 OF 5.
  3. FOR OTHER MULLION TYPES SEE SEPARATE NOA.
  4. USE SMALLER DESIGN LOAD CAPACITY OF 1, 2 OR 3 ABOVE.



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

DEC 05 2005

PRODUCT REVISED  
in accordance with the Florida  
Building Code  
Amendment No. 05-081501  
Effective Date 06/19/09

By: *[Signature]*  
Product Control  
Division

*afc*

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
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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: | not date | description          |
|------------|----------|----------------------|
| A          | 07.09.04 | NO CHANGE THIS SHEET |
| B          | 12.08.04 | NO CHANGE THIS SHEET |
| C          | 12.01.05 | CHART REV.           |
| D          | 01.16.06 | NO CHANGE THIS SHEET |

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

drawing no.  
**W04-44**

sheet 5 of 5