



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)

**Innovative Window Concepts**  
1801 Corporate Drive,  
Boynton Beach, FL 33426

### 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: Aluminum Single Hung Window-L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W03-53**, titled "Aluminum Single Hung Window (L.M.I.)", sheets 1 through 6 of 6, prepared by AL-Farooq Corporation, dated 07/14/03, with revision "**D**" dated 11/06/08, 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 and renews** NOA # **05-1004.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as the approval document mentioned above.

The submitted documentation was reviewed by **Fitz A. Harris, P.E.**,



*Fitz A. Harris*

NOA No 08-1210.03  
Expiration Date: February 19, 2014  
Approval Date: April 1, 2009  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-53**, titled "Aluminum Single Hung Window (L.M.I.)", prepared by Al-Farooq Corporation, sheets 1 through 6 of 6, dated 07/14/03, with revision "**D**" dated 11/06/08, 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) Force Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by American Test Lab of South Florida, Test Report No. **ATL-0527.01-03**, dated 06/12/03, signed and sealed by Henry Hattem, P.E.  
**"Submitted under NOA# 03-1201.0"**
2. Test reports on
  - 1) Large Missile Impact Test, per FBC, TAS 201-94
  - 2) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
  - 3) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by American Test Lab of South Florida, Test Report No. **ATL-1109.01-04**, dated 01/25/05, signed and sealed by William R. Mehner, P.E.

**C. CALCULATIONS**

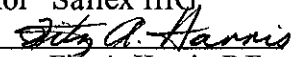
1. Revised Anchor calculations, and structural analysis, prepared by Al-Farooq Corporation on 10/28/08, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E 1300-02/04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours for "Sentry Glass ® Plus", dated 01/03/08, expiring on 01/14/2012.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "Dupont Butacite PVB" dated 01/05/2006 expiring on 12/11/2010.
3. Notice of Acceptance No. **06-0216.06** issued to Solutia, Inc. for "Saflex III G

  
Fitz A. Harris, P.E.

Product Control Examiner

NOA No 08-1210.03

Expiration Date: February 19, 2014

Approval Date: April 1, 2009

**Innovative Window Concepts**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

dated 05/04/06, expiring on 05/21/2011.

**F. STATEMENTS**

1. Statement letter of compliance dated 10/28/2008, signed and sealed by Humayoun Farooq, P.E.

**G. OTHER**

1. *Notice of Acceptance No. 05-1004.02, issued to Innovative Window Concepts, for "Aluminum Single Hung Window, approved on 03/23/06 and expiring on 02/19/09.*



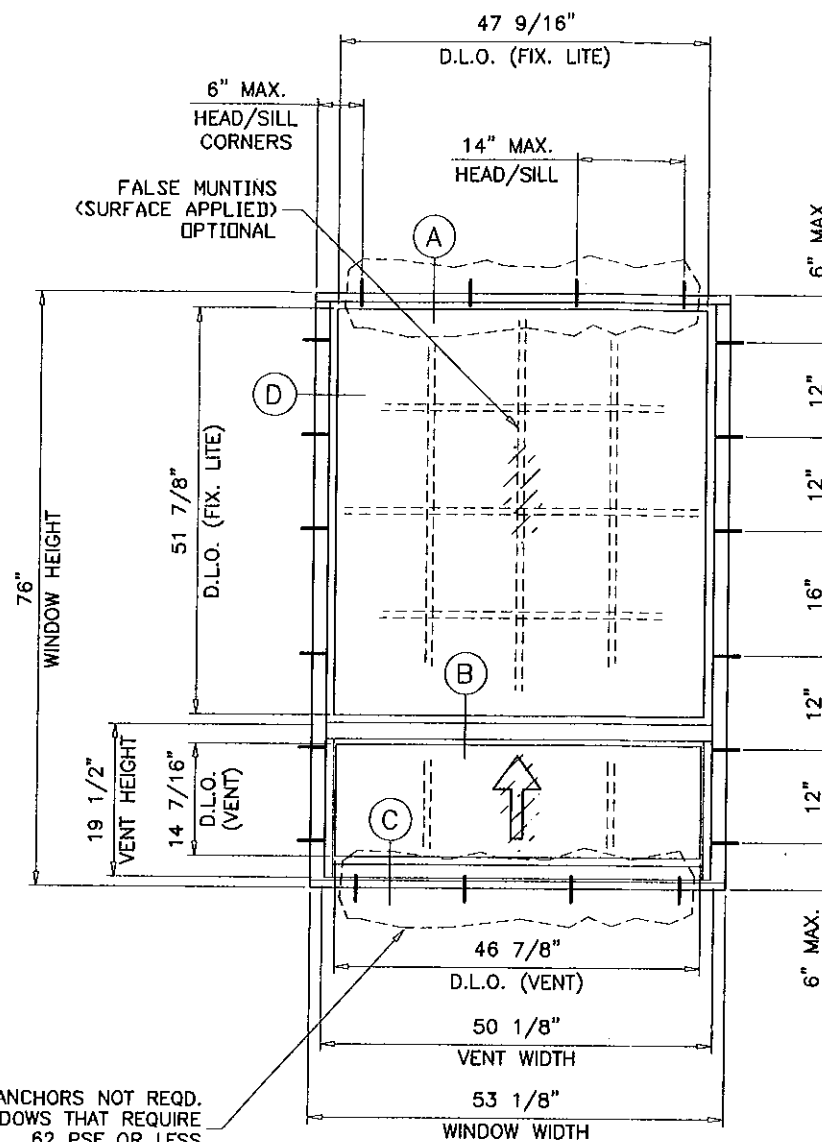
Fitz A. Harris, P.E.

Product Control Examiner

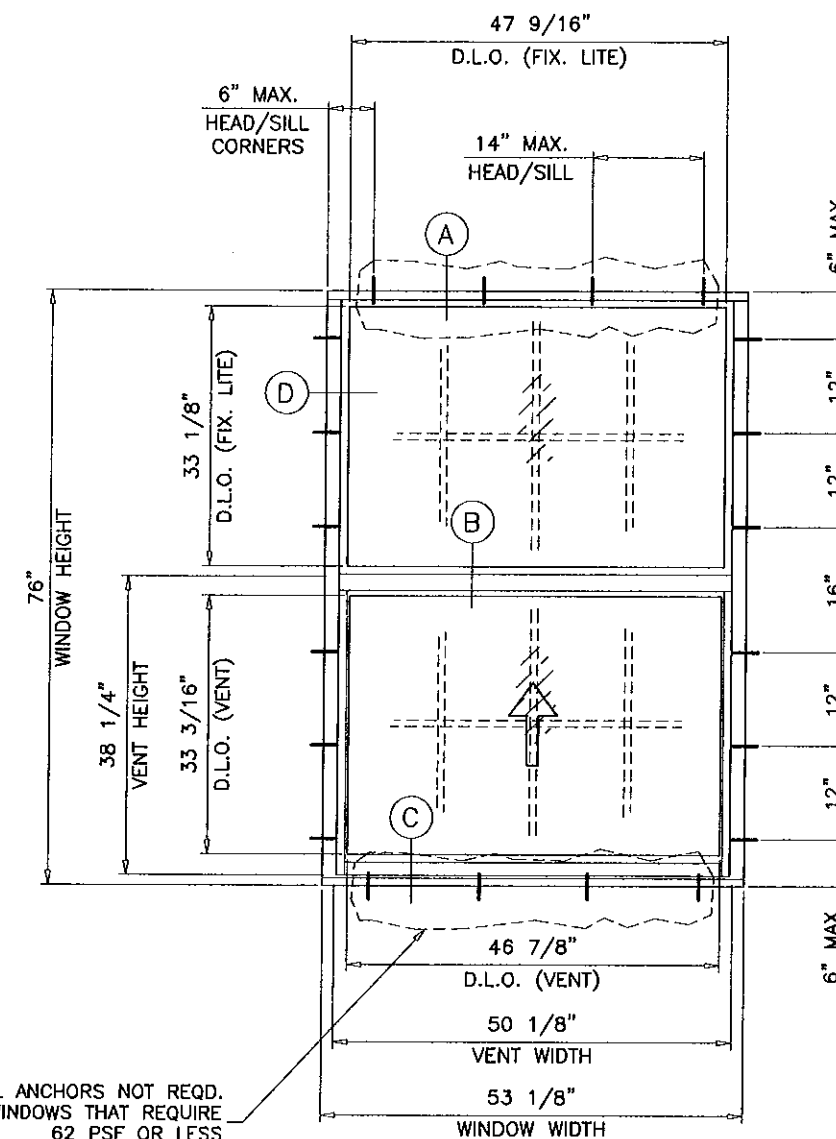
NOA No 08-1210.03

Expiration Date: February 19, 2014

Approval Date: April 1,, 2009



UNEQUAL LITES (ORIEL TYPE)



EQUAL LITES

TYPICAL ELEVATIONS  
TESTED UNITS

# ALUMINUM SINGLE HUNG WINDOW (L.M.I.)

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG 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 2004/2007 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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

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

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

MAR 02 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 08-1210-03  
Expiration Date 2-19-2014

By *John Harris*  
Miami Dade Product Control  
Division

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\W03-53JWC

ALUMINUM SINGLE HUNG WINDOW (L.M.I.)  
INNOVATIVE WINDOW CONCEPTS, LLC  
1801 CORPORATE DRIVE  
BOYNTON BEACH, FL. 33426  
TEL. (561) 493-2303 FAX. (561) 493-2302

| revisions: | no | date     | by | description            |
|------------|----|----------|----|------------------------|
|            | A  | 01.13.04 |    | NO CHANGE THIS SHEET   |
|            | B  | 09.06.05 |    | UPDATED FOR 2004 FBC   |
|            | C  | 02.01.06 |    | REV. PER BCOO COMMENTS |
|            | D  | 11.08.08 |    | UPDATED FOR 2007 FBC   |

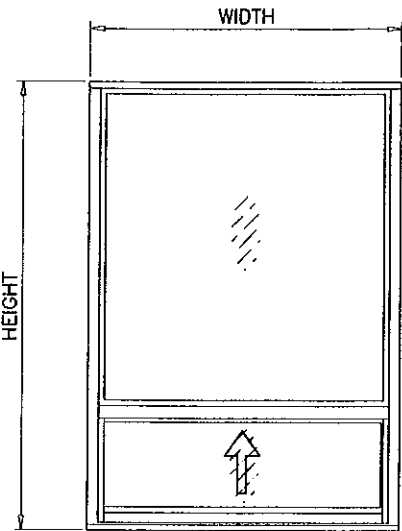
date: 07-14-03  
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dr. by: HAMID  
chk. by:

drawing no.  
W03-53

sheet 1 of 6

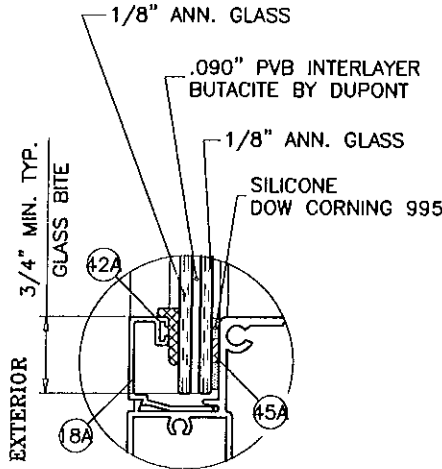
| UNEQUAL LITES WINDOWS      |                |             |         |             |         |             |         |             |         |
|----------------------------|----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| DESIGN LOAD CAPACITY - PSF |                |             |         |             |         |             |         |             |         |
| FLANGE DIMS.               |                | SERIES 1030 |         | SERIES 1040 |         | SERIES 1041 |         | SERIES 1062 |         |
| WIDTH                      | HEIGHT         | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) |
| 19-1/8"                    | 50-5/8"<br>(4) | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | 65.0        | 65.2    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 19-1/8"                    | 63"<br>(5)     | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 129.6   |
| 19-1/8"                    | 76"<br>(6)     | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 128.1   |
| 19-1/8"                    | 84"<br>(7)     | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 128.1   |
| 19-1/8"                    | 96"<br>(8)     | 65.0        | 72.5    | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | -           | -       | 62.0        | 62.0    | 62.0        | 75.0    | 90.0        | 128.1   |

\* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.

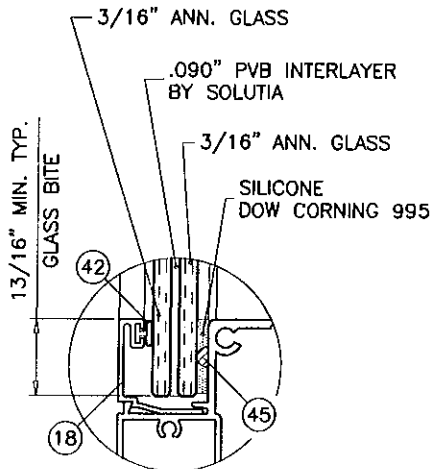


UNEQUAL LITES (ORIEL TYPE)

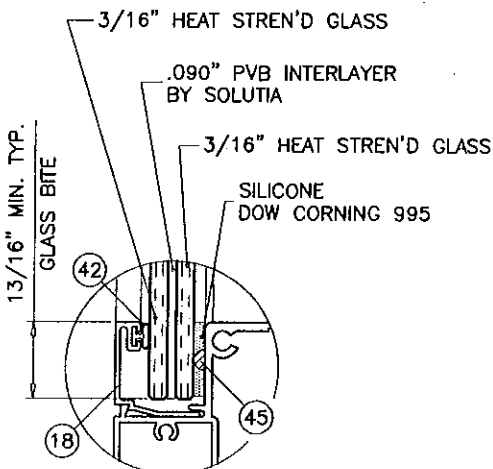
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219



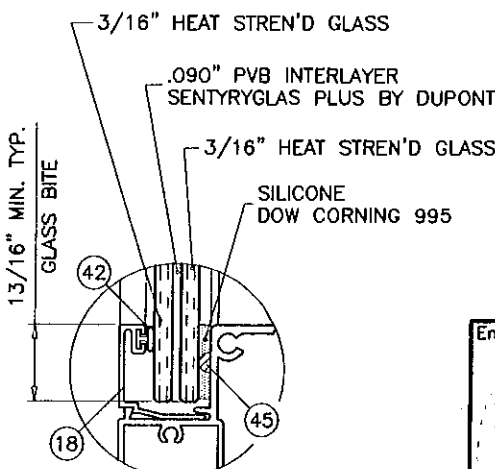
SERIES 1030



SERIES 1040



SERIES 1041



SERIES 1062

GLAZING OPTIONS

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. REG. # 16557  
C.A.N. 3538  
MAR 02 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 08-1210-03  
Expiration Date 2-19-2014  
By *Dr. Harnis*  
Miami Code Product Control  
Division

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W03-53IWC

ALUMINUM SINGLE HUNG WINDOW (L.M.I.)

**INNOVATIVE WINDOW CONCEPTS, LLC**  
1801 CORPORATE DRIVE  
BOYNTON BEACH, FL. 33426  
TEL. (561) 493-2303 FAX. (561) 493-2302

| no | date     | description          |
|----|----------|----------------------|
| A  | 01.13.04 | NO CHANGE THIS SHEET |
| B  | 09.06.05 | CHARTS REV.          |
| C  | 02.01.06 | NO CHANGE THIS SHEET |
| D  | 11.06.08 | UPDATED FOR 2007 FBC |

date: 07-14-03

scale: 1/2"=1'-0"

dr. by: HAMID

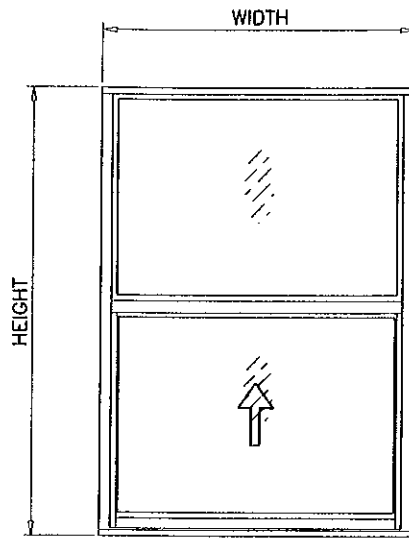
chk. by:

drawing no.  
**W03-53**

sheet 2 of 6

| EQUAL LITES WINDOWS        |                |             |         |             |         |             |         |             |         |
|----------------------------|----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| DESIGN LOAD CAPACITY - PSF |                |             |         |             |         |             |         |             |         |
| FLANGE DIMS.               |                | SERIES 1030 |         | SERIES 1040 |         | SERIES 1041 |         | SERIES 1062 |         |
| WIDTH                      | HEIGHT         | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) | EXT.(+)     | INT.(-) |
| 19-1/8"                    | 26"<br>(2)     | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 19-1/8"                    | 38-3/8"<br>(3) | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 19-1/8"                    | 50-5/8"<br>(4) | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | 64.4        | 64.4    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 19-1/8"                    | 63"<br>(5)     | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | 64.9        | 64.9    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | 56.0        | 56.0    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 121.8   |
| 19-1/8"                    | 76"<br>(6)     | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 53-1/8"                    |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 111.7   |
| 19-1/8"                    | 84"<br>(7)     | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 19-1/8"                    | 96"<br>(8)     | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 24"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 26-1/2"                    |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 32"                        |                | 65.0        | 72.5    | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 37"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 40"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |
| 48"                        |                | -           | -       | 62.0        | 62.0    | 65.0        | 75.0    | 90.0        | 130.0   |

\* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



EQUAL LITES

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 08-1210-03  
Expiration Date 2-19-2014  
By City Harris  
Miami Dade Product Control  
Division

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. BE # 16557  
C.A.N. 3538  
MAR 02 2009

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP - ANL \ W03-53IWC

ALUMINUM SINGLE HUNG WINDOW (L.M.I.)

**INNOVATIVE WINDOW CONCEPTS, LLC**  
1801 CORPORATE DRIVE  
BOYNTON BEACH, FL. 33426  
TEL. (561) 493-2303 FAX. (561) 493-2302

revisions:

| no | date     | by | description            |
|----|----------|----|------------------------|
| A  | 01.13.04 |    | NO CHANGE THIS SHEET   |
| B  | 09.06.05 |    | CHARTS REV.            |
| C  | 02.01.06 |    | REV. PER BOCO COMMENTS |
| D  | 11.06.08 |    | UPDATED FOR 2007 FBC   |

date: 07-14-03

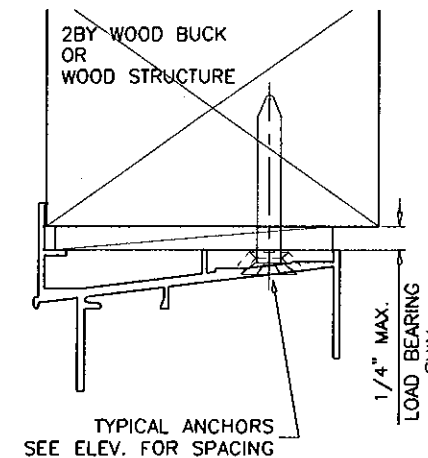
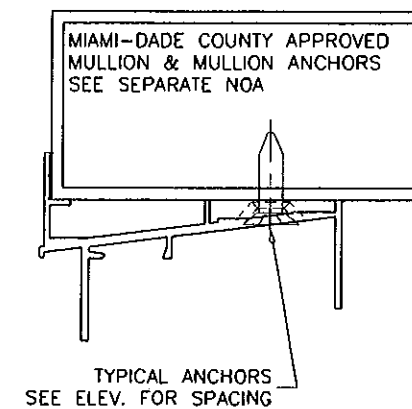
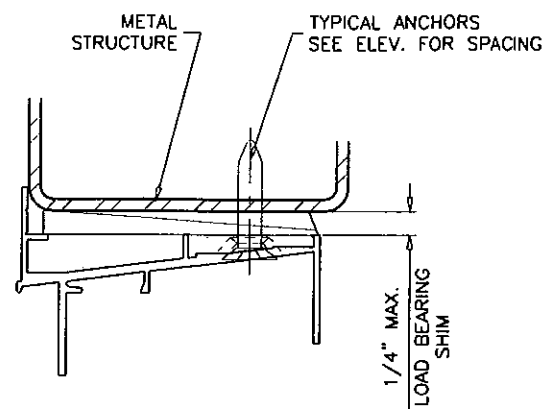
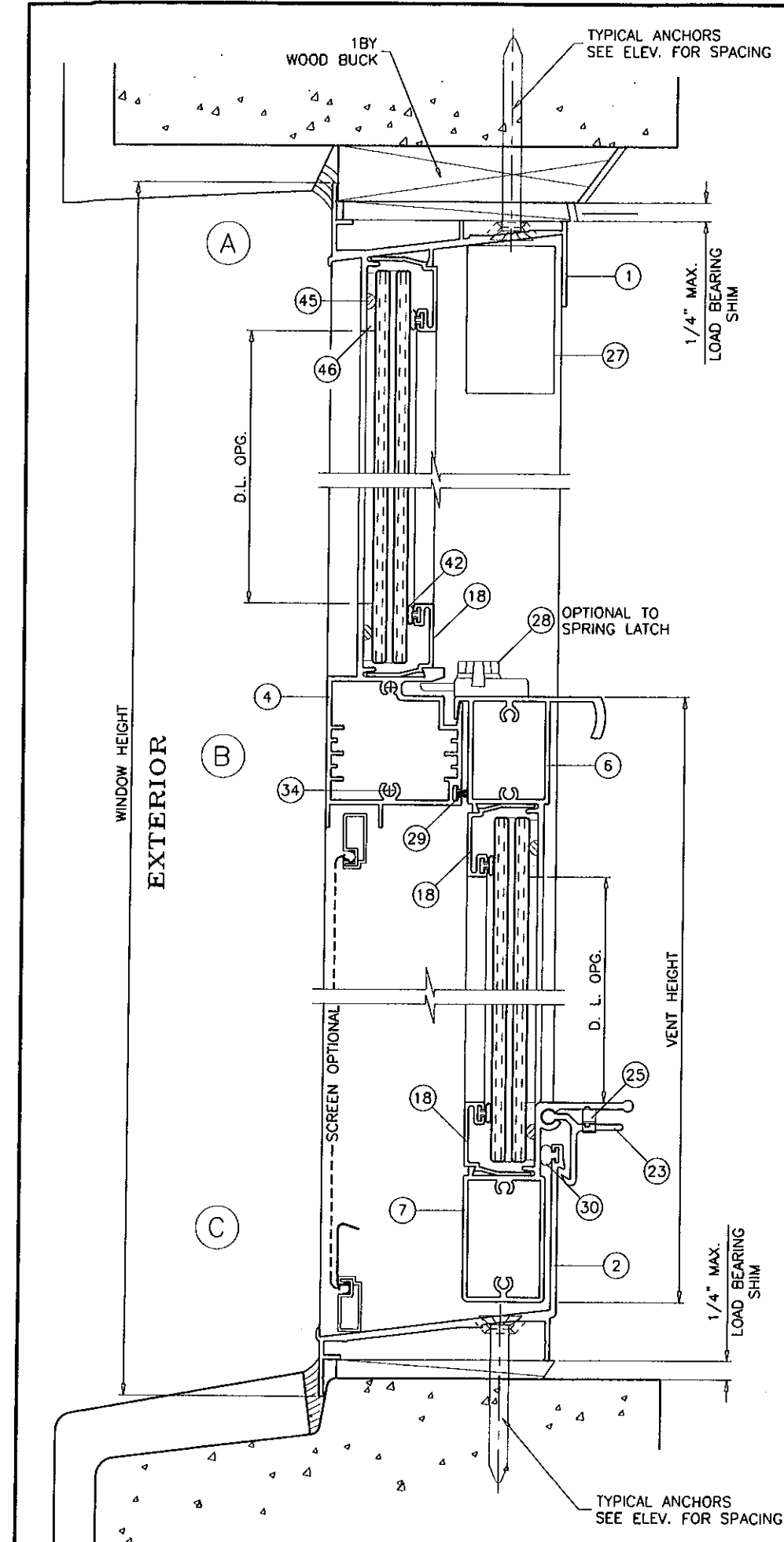
scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no.  
**W03-53**

sheet 3 of 6



WOOD BUCKS AND METAL STRUCTURE NOT BY I.W.C. 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)  
 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  
**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
 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)

**#12 SMS OR SELF DRILLING SCREWS**  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")  
 (NO SHIM SPACE)

**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.  
 MASONRY f'm = 1500 PSI MIN.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-1210-03  
 Registration Date 2-19-2004  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

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

MAR 02 2009

#### SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.

**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 W03-53IWC

**ALUMINUM SINGLE HUNG WINDOW (L.M.I.)**  
**INNOVATIVE WINDOW CONCEPTS, LLC**  
 1801 CORPORATE DRIVE  
 BOYNTON BEACH, FL. 33426  
 TEL. (561) 493-2303 FAX. (561) 493-2302

| no | date     | by | description            |
|----|----------|----|------------------------|
| A  | 01.13.04 |    | NO CHANGE THIS SHEET   |
| B  | 08.06.05 |    | ANCHORS REV.           |
| C  | 02.01.06 |    | REV. PER BCCO COMMENTS |
| D  | 11.06.08 |    | UPDATED FOR 2007 FBC   |

date: 07-14-03

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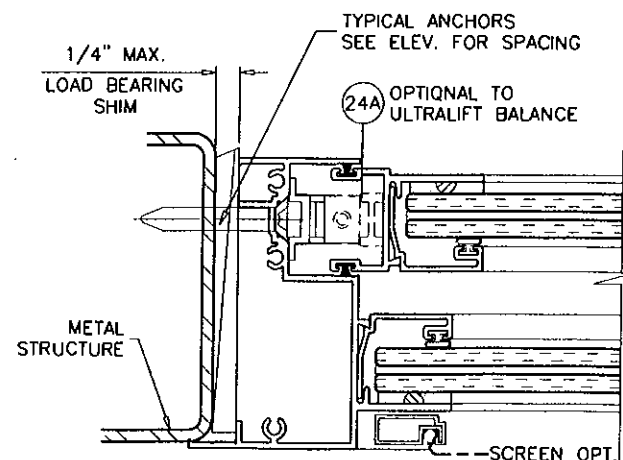
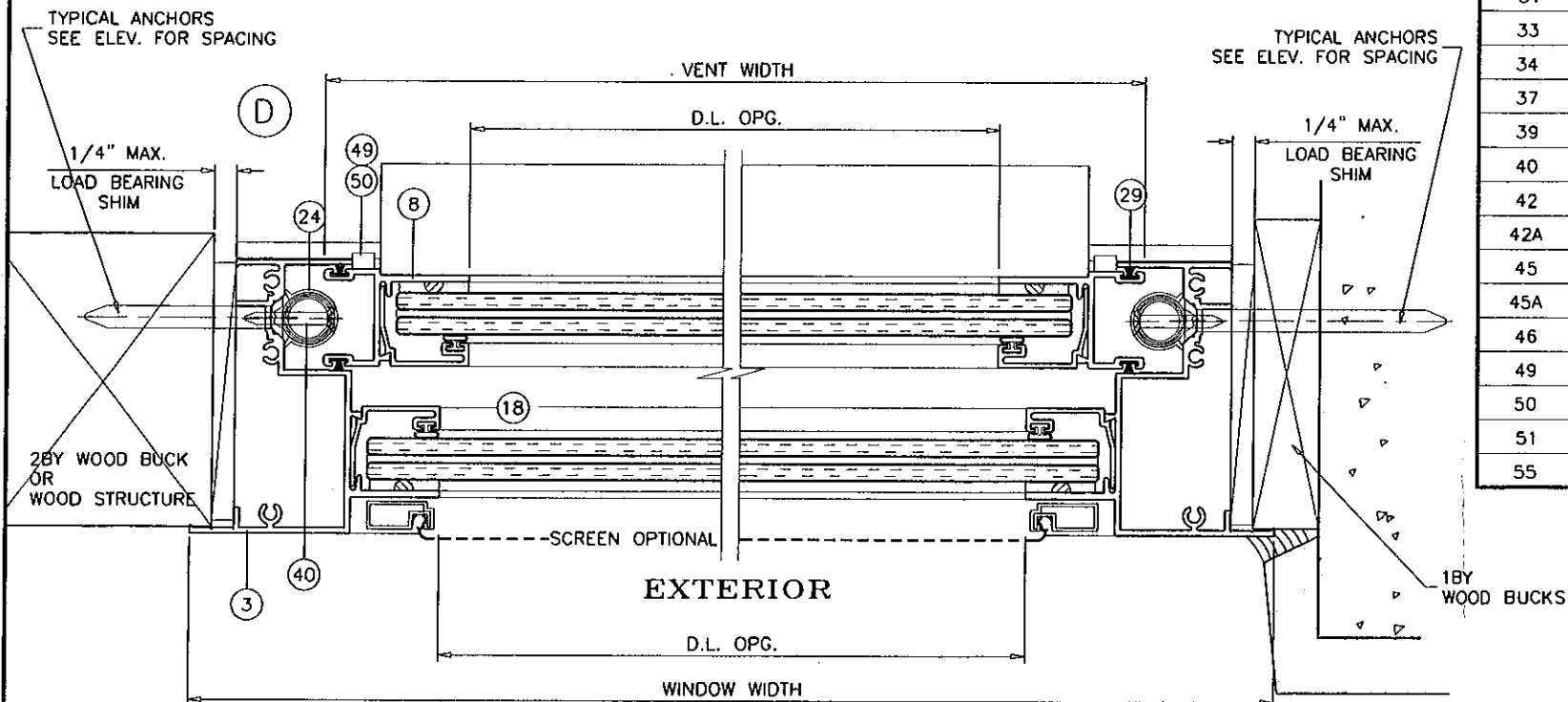
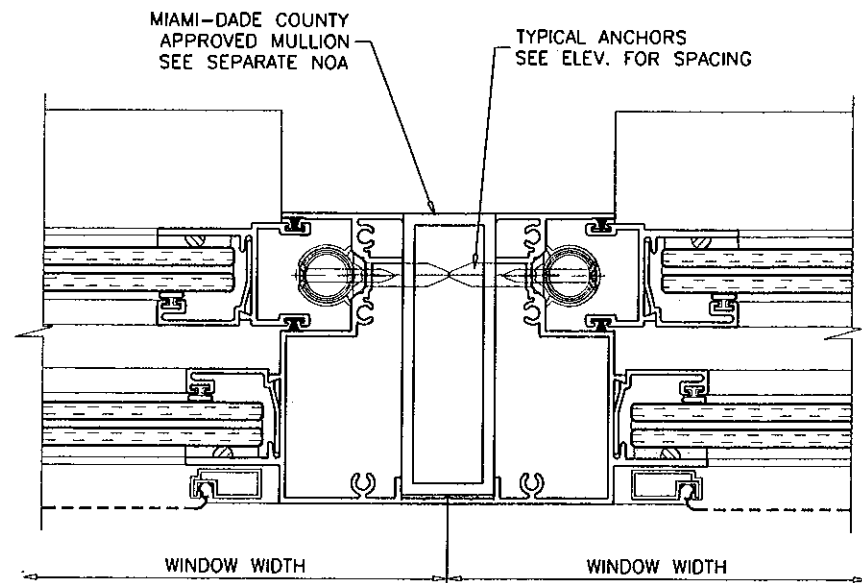
dr. by: HAMID

chk. by:

drawing no.

**W03-53**

sheet 4 of 6



| ITEM NO. | PART NO. | QUANTITY | DESCRIPTION               | MATERIAL    | MANF./SUPPLIER/REMARKS |
|----------|----------|----------|---------------------------|-------------|------------------------|
| 1        | 021-029  | 1        | FRAME HEAD                | 6063-T5     | ARCH ALUM.             |
| 2        | 021-002  | 1        | FRAME SILL                | 6063-T5     | ARCH ALUM.             |
| 3        | 021-005  | 2        | FRAME JAMB                | 6063-T6     | ARCH ALUM.             |
| 4        | 022-007  | 1        | MTG. RAIL                 | 6063-T5     | ARCH ALUM.             |
| 6        | 022-004  | 1        | VENT TOP RAIL             | 6063-T5     | ARCH ALUM.             |
| 7        | 022-001  | 1        | VENT BOTTTOM RAIL         | 6063-T5     | ARCH ALUM.             |
| 8        | 021-003  | 2        | VENT SIDE RAIL            | 6063-T5     | ARCH ALUM.             |
| 18       | 021-011  | 4/ LITE  | GLAZING BEAD              | 6063-T5     | ARCH ALUM.             |
| 18A      | 021-012  | 4/ LITE  | GLAZING BEAD              | 6063-T5     | ARCH ALUM.             |
| 23       | 021-008  | 2/ VENT  | SNAP LATCH (2 @ 3" LG)    | 6063-T5     | ARCH ALUM.             |
| 24       | 025-000  | 2        | ULTRA LIFT BALANCE        |             | CALDWELL MFG           |
| 24A      | 024-000  | 2        | BLOCK & TACKLE BALANCE    |             | BSI                    |
| 25       | 006-001  | 2        | SPRING                    | ST/ST       | IND. SPRING            |
| 26       | 004-005  | -        | UEK BRACKET               | STEEL       | CALDWELL MFG           |
| 27       | 010-001  | -        | SASH STOP                 | RIGID VINYL | MASTER TOOL            |
| 28       | 004-002  | -        | SWEEP LOCK @ 7" FROM ENDS | METAL       | SULLIVAN & ASSOC.      |
| 29       | 016-001  | AS REQD. | FIN SEAL                  | WOOL PILE   | ULTRA FAB              |
| 30       | 023-001  | -        | FILLED BULB VINYL         |             | AMESBURY               |
| 31       | 015-009  | -        | CHIMNEY PLUG              | CLOSED CELL | FRANK LOWE RUBBR       |
| 33       | 008-014  | AS REQD. | #8X1 PHPH SMS             | ST/ST       |                        |
| 34       | 008-031  | 2/ END   | #10X1 PHPH SMS            | ST/ST       |                        |
| 37       | 012-001  | -        | SEAM SEALER SM5504        | ACRYLIC     | SCHNEE MOREHEAD        |
| 39       | 008-010  | -        | #8X1/2 UCFHPH SMS         | ST/ST       |                        |
| 40       | 008-017  | -        | #8X1 1/4 FHPP SMS         | ST/ST       |                        |
| 42       | 015-001  | AS REQD. | BULB VINYL                | VINYL       | MASTER TOOL            |
| 42A      | 015-007  | AS REQD. | WEDGE GASKET              | VINYL       | -                      |
| 45       | 015-006  | -        | 0.150 SPACER              | VINYL       | FRANK LOWE RUBBR       |
| 45A      | 015-004  | -        | 1/16 X .400 SPACER        | VINYL       | FRANK LOWE RUBBR       |
| 46       | 012-004  | -        | DOW 995                   | SILICONE    | DOW CORNING            |
| 49       | 010-010  | -        | SASH GUIDE TOP            | RIGID PVB   | M & M PLASTICS         |
| 50       | 010-011  | -        | SASH GUIDE BOT            | RIGID PVB   | M & M PLASTICS         |
| 51       | 008-002  | -        | #6X1/2 FHPP SMS           | ST/ST       |                        |
| 55       | 003-001  | AS REQD. | ROLL FORM SCREEN FRAME    | ALUMINUM    | FLORIDA SCREEN         |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **08-1210-03**  
Expiration Date **2-17-2014**  
*Dr. Harris*  
Miami Date Product Control  
Division

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

MAR 02 2009

**a f c**

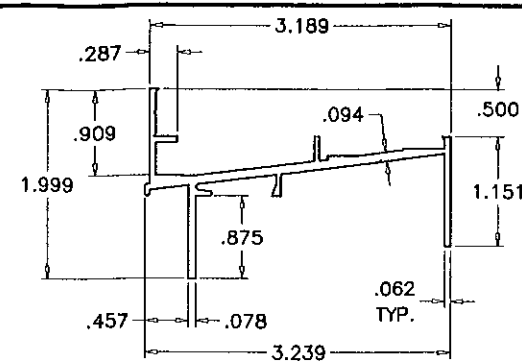
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W03-53\WC

ALUMINUM SINGLE HUNG WINDOW (L.M.I.)  
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1801 CORPORATE DRIVE  
BOYNTON BEACH, FL. 33426  
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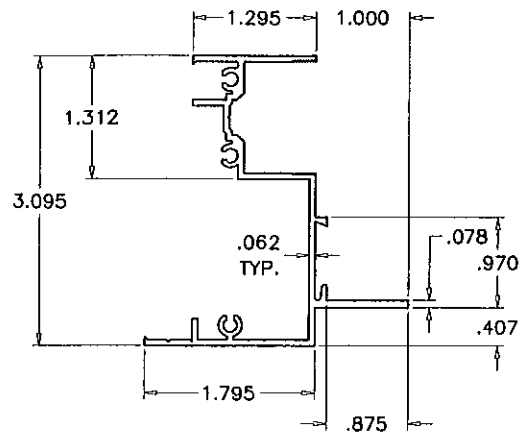
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| B  | 09.06.05 |    | NO CHANGE THIS SHEET   |
| C  | 02.01.06 |    | REV. PER BCCG COMMENTS |
| D  | 11.06.08 |    | UPDATED FOR 2007 FBC   |

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

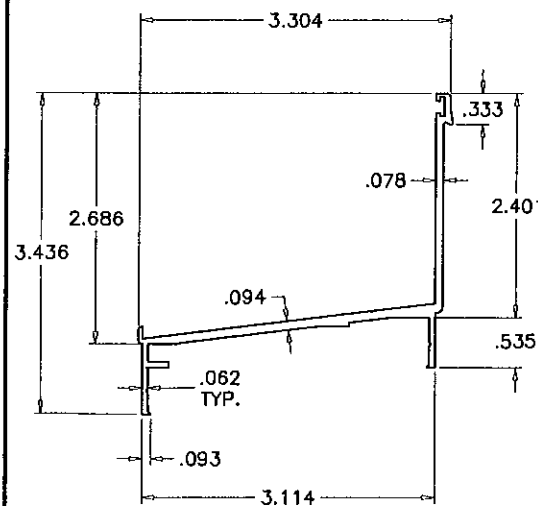
drawing no.  
**W03-53**  
sheet 5 of 6



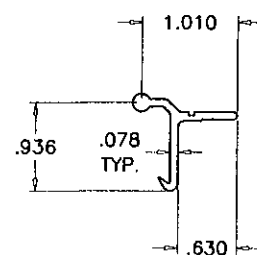
① FRAME HEAD



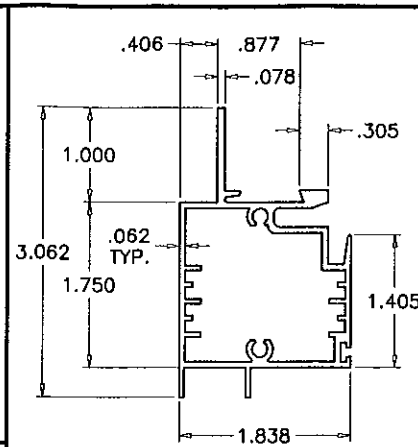
③ FRAME JAMB



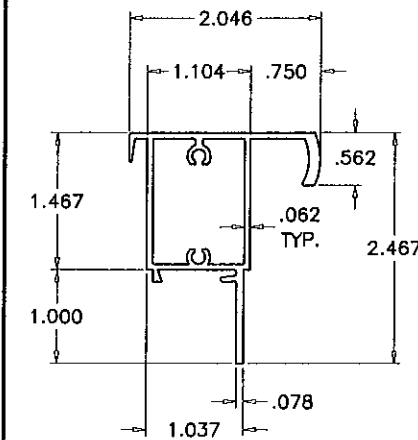
② FRAME SILL



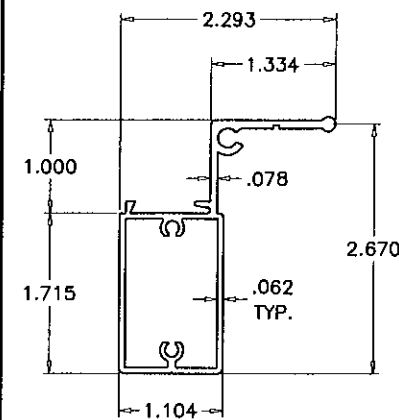
②③ LATCH



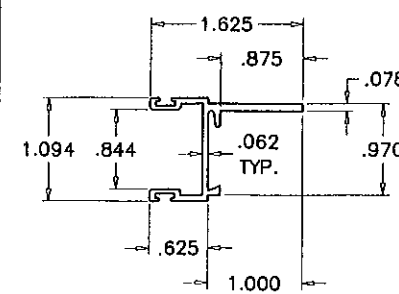
④ FIXED MEETING RAIL



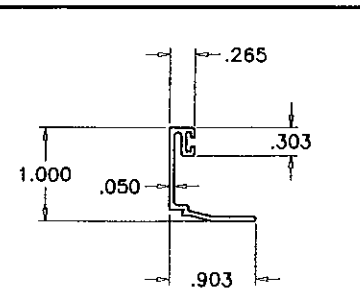
⑥ VENT TOP RAIL



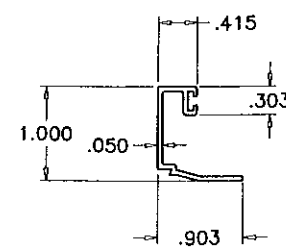
⑦ VENT BOTTOM RAIL



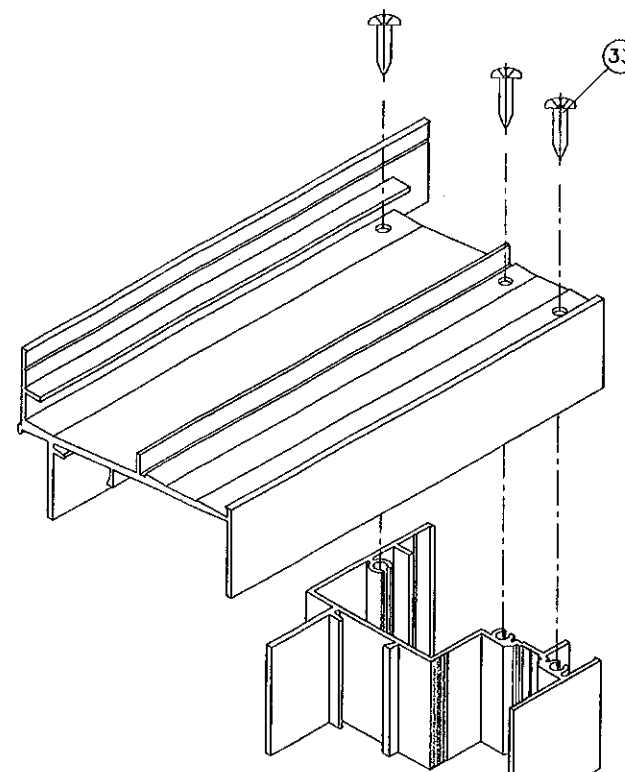
⑧ VENT SIDE RAIL



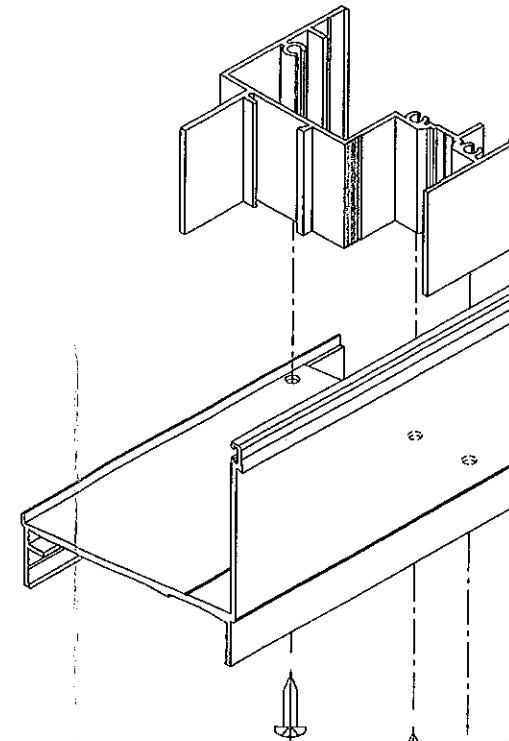
⑱ GLAZING BEAD



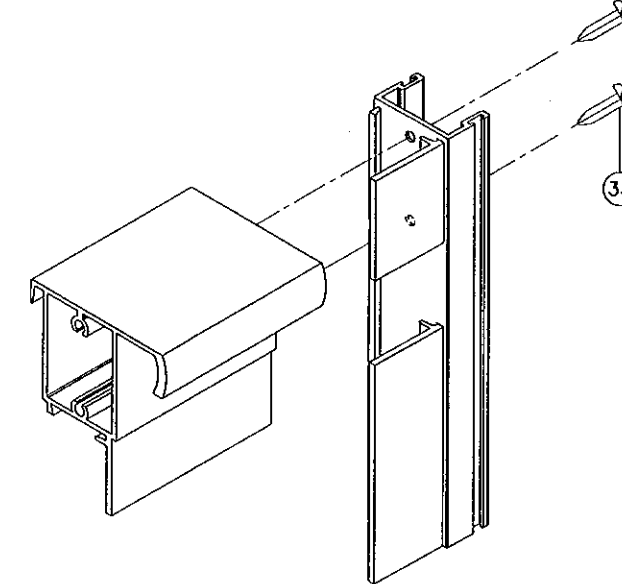
⑱A GLAZING BEAD



FRAME CORNERS



VENT TOP CORNER



VENT BOTTOM CORNER

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
F.L.A. PE # 16557  
C.A.N. 3538

MAR 02 2009

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 28-1210-03  
Expiration Date 2-19-2014

By *John Harris*  
Miami Dade Product Control  
Division

**af c**

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| revisions: | no. | date     | by                     | description |
|------------|-----|----------|------------------------|-------------|
|            | A   | 01.13.04 | REV. PER BCCO COMMENTS |             |
|            | B   | 09.06.05 | NO CHANGE THIS SHEET   |             |
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date: 07-14-03  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W03-53**

sheet 6 of 6

COMP-ANL\W03-53\WC