



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.buldingcodeonline.com](http://www.buldingcodeonline.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 "HR 100" Aluminum Horizontal Sliding Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W04-36**, titled "HR100 Alum. Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 05/04/04 with revision A dated 09/22/06, prepared by Al-Farooq Corporation, 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 Resistant**

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

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

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

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

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # **04-0608.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 06-1130.02  
Expiration Date: August 05, 2009  
Approval Date: April 12, 2007  
Page 1

R.C. Aluminum Industries, Inc.

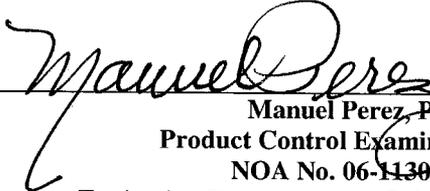
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-36**, titled "HR 100 Alum. Horiz. Sliding Wdw. (L.M.I.)," Sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 05/04/04 with revision A dated 09/22/06, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

1. 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 an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1881**, dated 03/19/04, signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under previous NOA #04-0608.02)*
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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum sliding window, window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1362**, dated 12/11/03, signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under previous NOA #04-0608.02)*
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1880**, dated 12/12/03, signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under previous NOA #04-0608.02)*
4. Tensile Test prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-04-T119**, dated 04/23/04, tested per ASTM-E 8-01e1, signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under previous NOA #04-0608.02)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-1130.02  
Expiration Date: August 05, 2009  
Approval Date: April 12, 2007

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

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Revised anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 09/22/06, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-02**
2. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 05/21/04, signed and sealed by Humayoun Farooq, P.E.  
*(Submitted under previous NOA #04-0608.02)*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

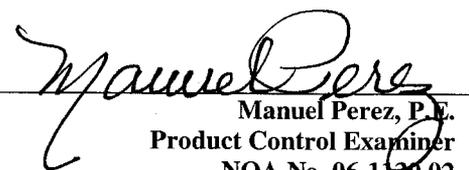
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont de Nemours for "DuPont Butacite PVB Interlayer", dated 01/05/06, expiring on 12/11/10.

**F. STATEMENTS**

1. Statement letter of compliance, dated September 22, 2006, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated September 22, 2006, signed and sealed by Humayoun Farooq, P.E.

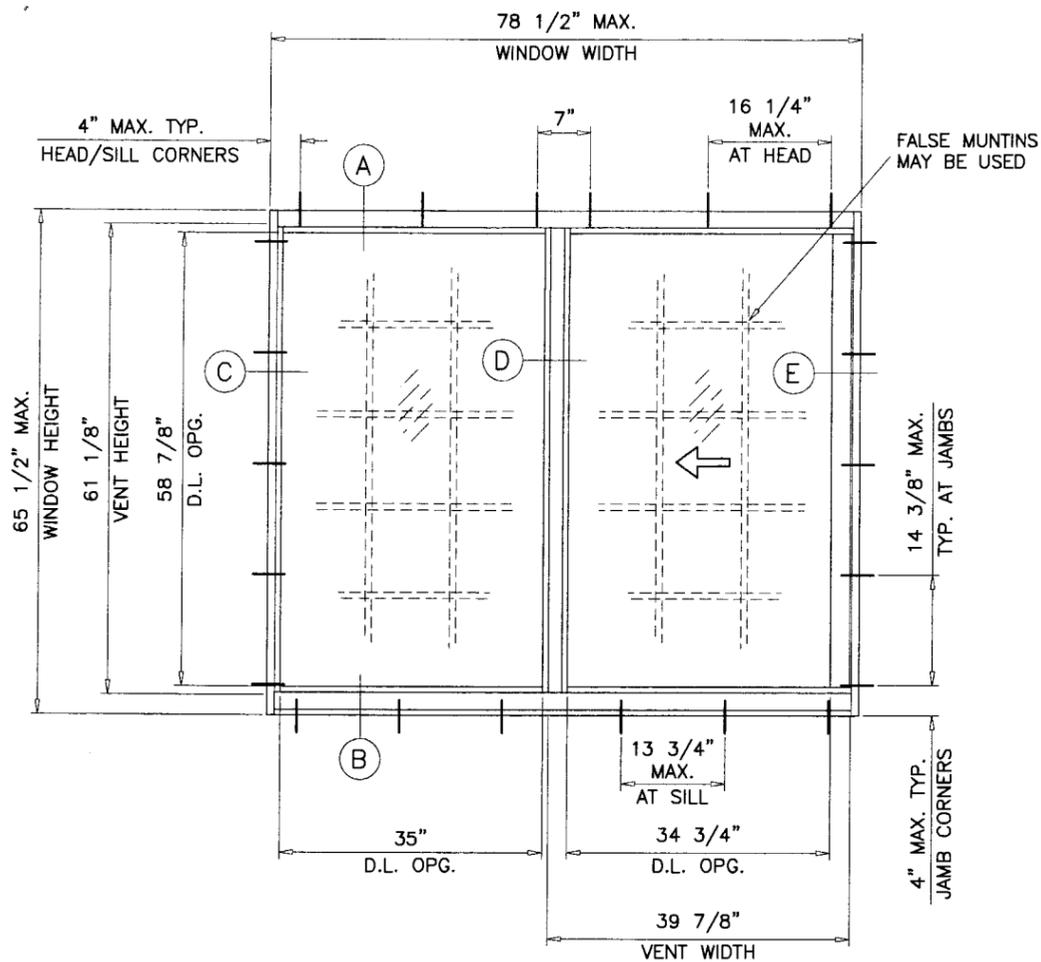
**G. OTHER**

1. Notice of Acceptance No. **04-0608.02**, issued to R.C. Aluminum Industries, Inc. for their Series "HR100" Aluminum Horizontal Rolling Window, approved on 08/05/04 and expiring on 08/05/09.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-1130.02

Expiration Date: August 05, 2009

Approval Date: April 12, 2007



**TYPICAL ELEVATION**  
TESTED UNIT

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

**HR100 ALUM HORIZ. SLIDING WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

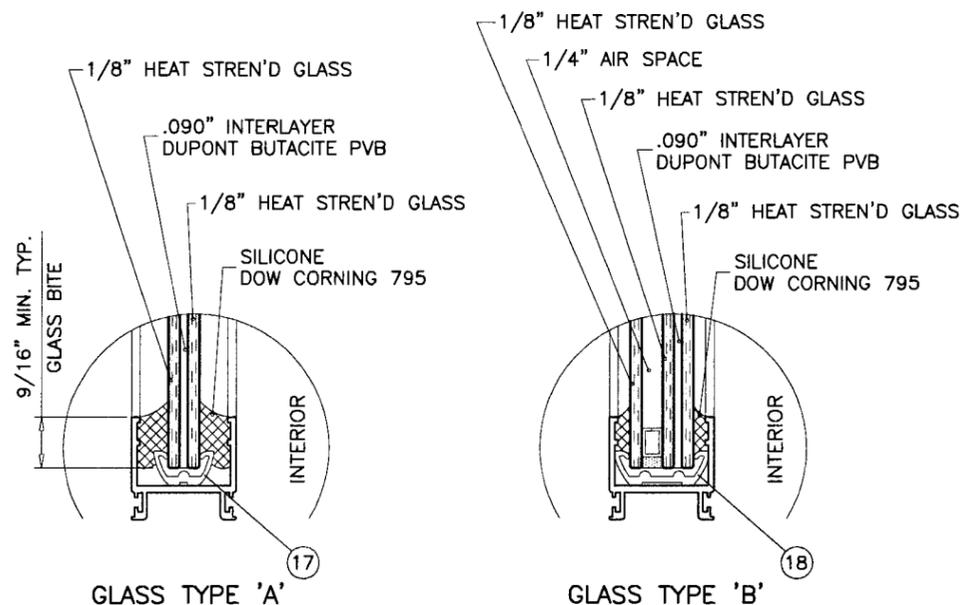
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION (REV. 2005) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4 (SUPPLEMENT 2005).



**GLAZING OPTIONS**

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS) WITH REDUCTIONS FOR FLEXIBLE SUPPORTS TO COMPLY WITH SECTION 2403.2 OF FBC 2004 EDITION.

DESIGN LOAD CAPACITY - PSF XO OR OX SIZES				
WINDOW DIMS.		A	GLASS TYPE 'A' & 'B'	
WIDTH	HEIGHT		EXT.(+)	INT.(-)
26-1/2"	26" (3)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	38-3/8" (4)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	50-5/8" (4)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	63" (5)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
24"	24" (3)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"	6	80.0	80.0	
24"	36" (3)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"	6	80.0	80.0	
24"	48" (4)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"	6	80.0	80.0	
24"	60" (5)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"	6	80.0	80.0	
24"	65-1/2" (5)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"	6	80.0	80.0	

A = NO. OF ANCHORS PER HEAD & SILL  
( ) = NO. OF ANCHORS PER JAMB

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No **06-1130.02**  
Expiration Date **AUG 5, 2009**  
By *Mansour*  
Miami Dade Product Control  
Division

OCT 16 2008

**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\W04-36RC

HR100 ALUM HORIZ. SLIDING WDW. (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

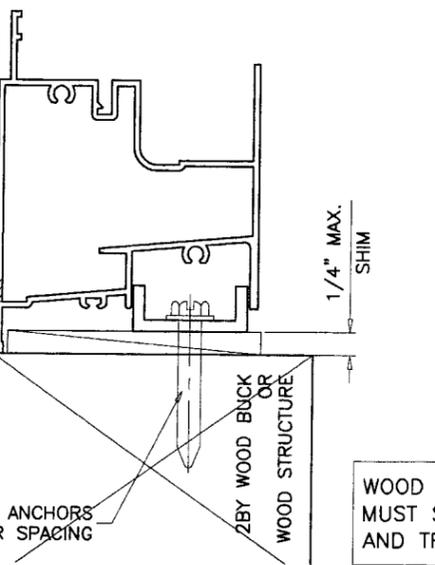
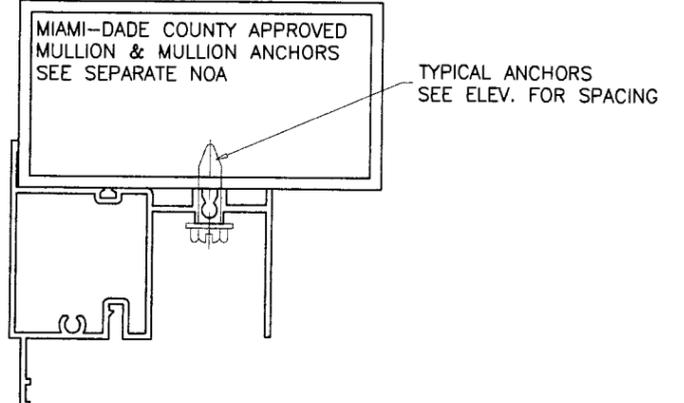
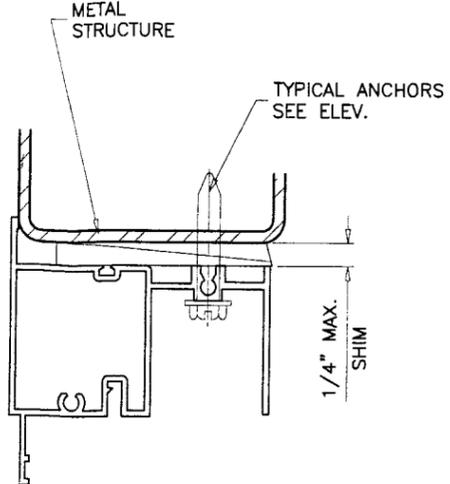
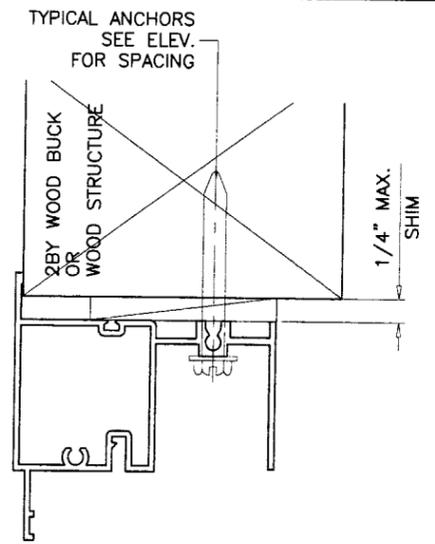
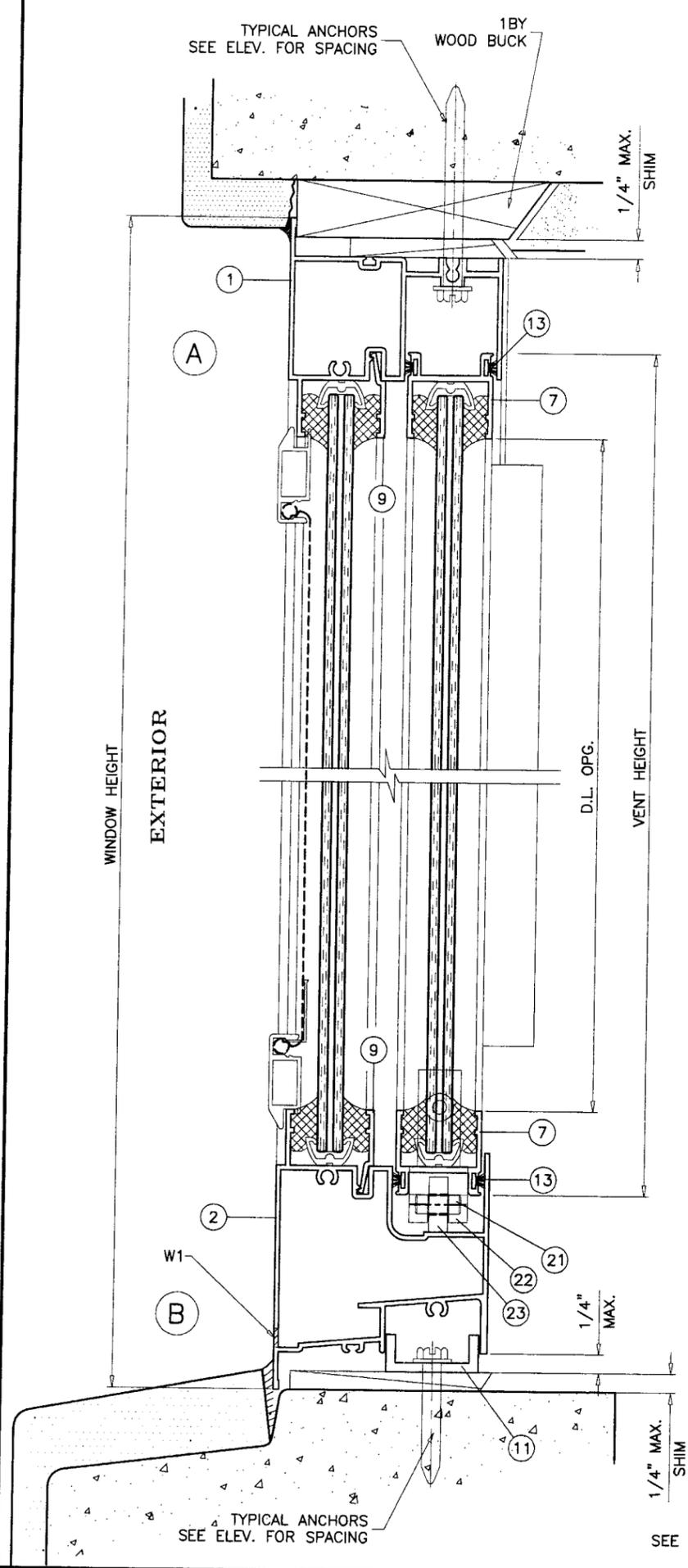
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A	09.22.06		UPDATED FOR 2004 FBC

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

drawing no.  
**W04-36**  
sheet 1 of 4

no	date	description
A	09.22.06	UPDATED FOR 2004 FBC

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



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" HILTI KWIK-CON II**  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-3/8" MIN. PENETRATION INTO WOOD  
 THRU 1BY BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY  
 DIRECTLY INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**1/4-20 KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'**  
 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)

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

**ANCHOR EDGE DISTANCES**  
 INTO CONCRETE = 1-3/4" MIN.  
 INTO MASONRY BLOCK = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 7/8" MIN.  
 INTO METAL STRUCTURE = 1/2" MIN.

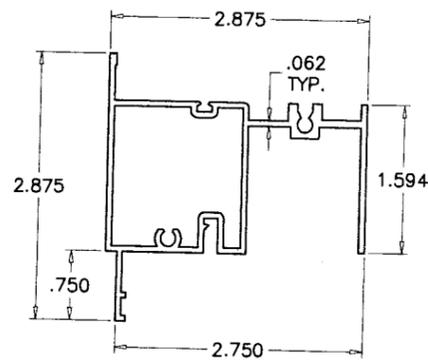
**SEALANT:**  
 ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH SILICONE.

**WEEPHOLES:**  
 W1 = 1/4" X 1" WEEP HOLES AT 5" FROM EACH END AND AT MIDSPAN.

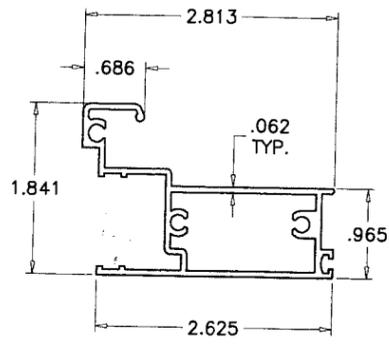
Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 OCT 16 2006

PRODUCT REVISED  
 as complying with the Florida  
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 Expiration Date AUG. 5, 2009  
 By: *Manuel Perez*  
 Miami Dade Product Control  
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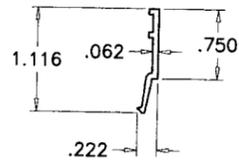




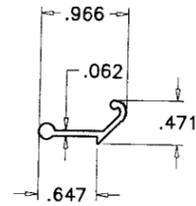
① FRAME HEAD



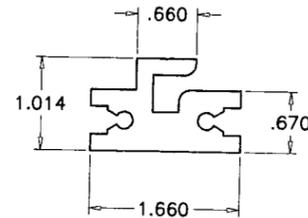
⑧ JAMB STILE



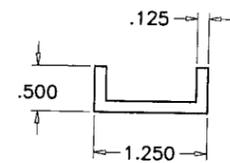
⑨ GLAZING BEAD



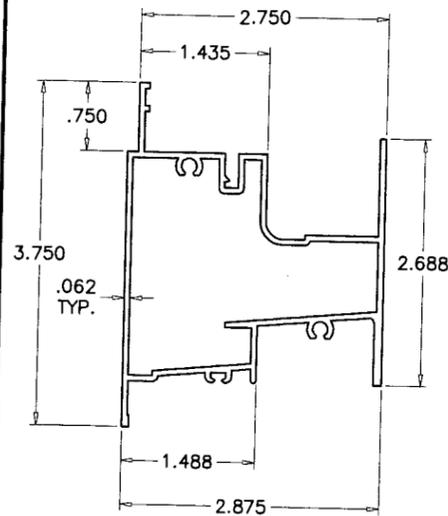
⑲ VENT LATCH



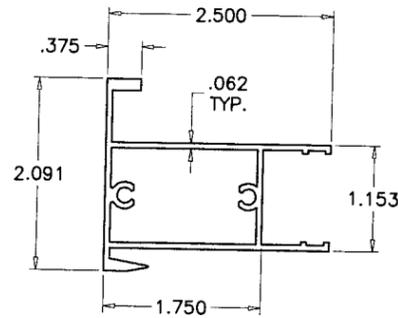
⑩ SLIDE ANCHOR CLIP



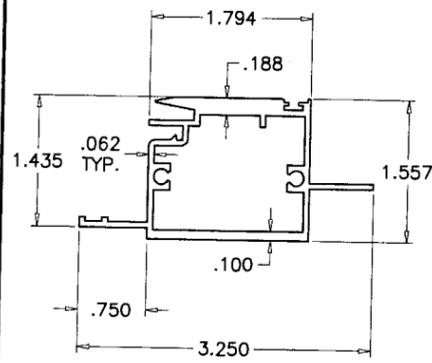
⑪ ANCHOR CHANNEL



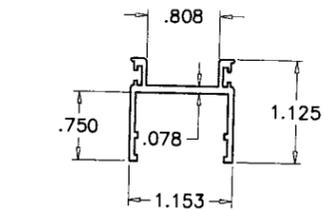
② FRAME SILL



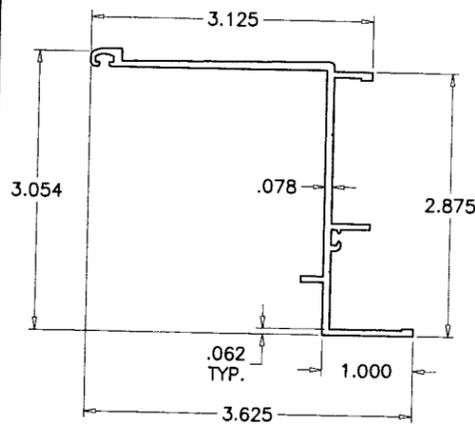
⑥ MEETING RAIL



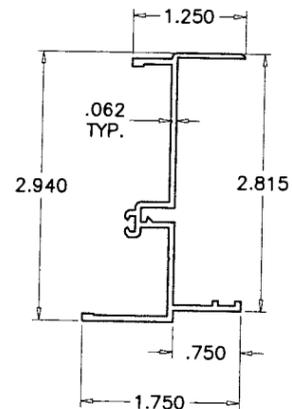
⑤ FIXED MTG. RAIL



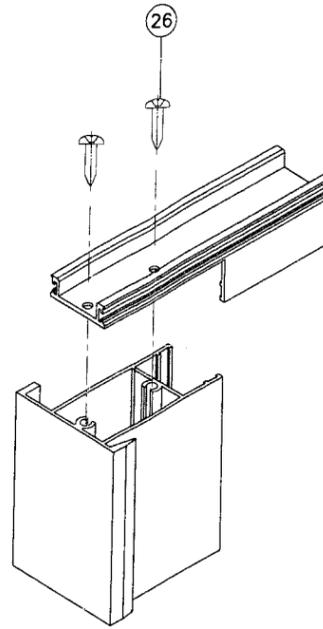
⑦ VENT TOP/BOTTOM RAIL



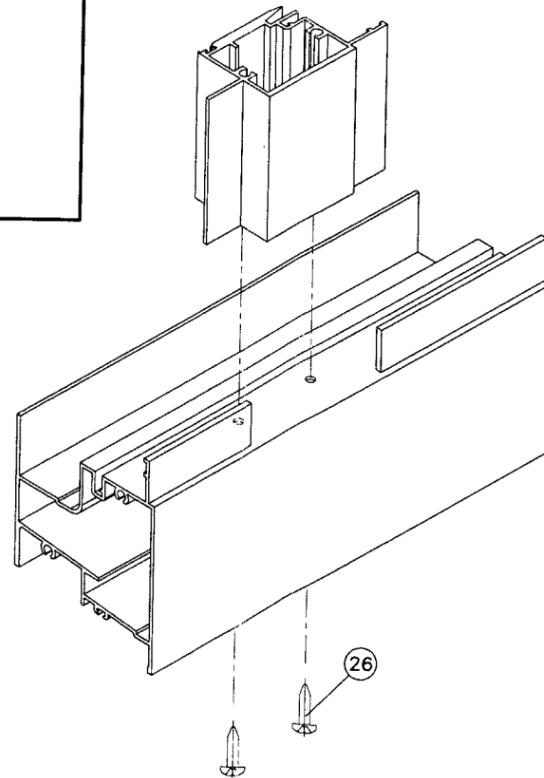
③ FRAME JAMB VENT



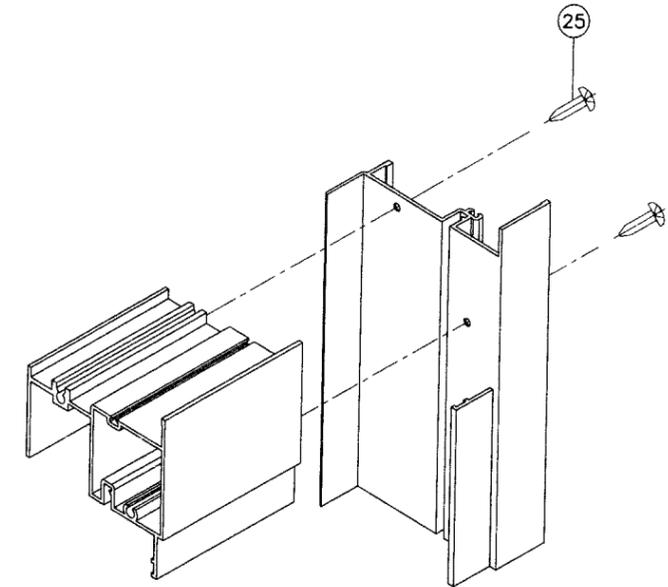
④ FRAME JAMB FIXED



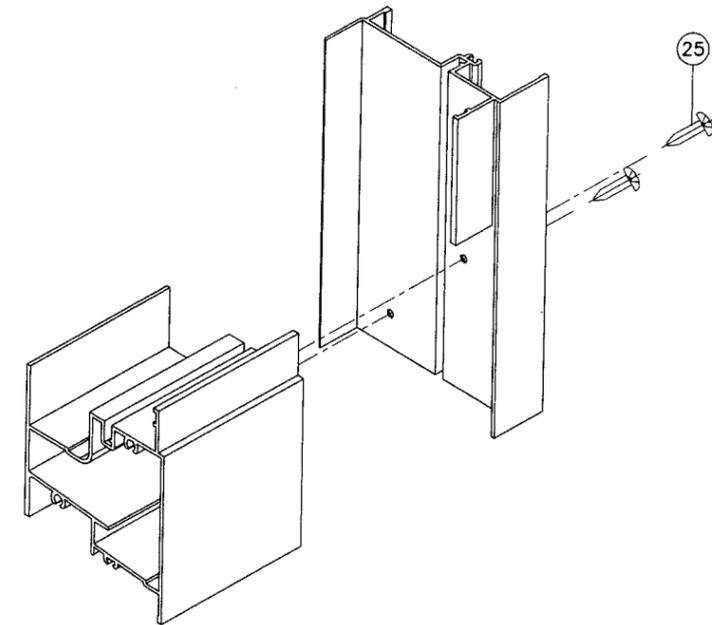
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
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By: *Manuel Perez*  
Witness: *Manuel Perez*  
Product Control

OCT 16 2006

**afC**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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no	date	by	description
A	03.22.06		UPDATED FOR 2004 FBC

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

drawing no.  
**W04-36**

sheet 4 of 4