



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

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidadecounty.gov/building/

Universal Impact Windows & Doors, Inc.
1675 West 31st. Place
Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Rebecca" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-24**, titled "Series-Rebecca Alum. Single Hung Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 03/24/03, with revision D dated 05/18/11, prepared by Al-Farooq Corp., signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises and renews** NOA # **03-0515.06** 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. 11-0401.09
Expiration Date: March 30, 2016
Approval Date: May 26, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-24**, titled "Series Rebecca Alum. Single Hung Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 03/24/03, with revision D dated 05/18/11, prepared by Al-Farooq Corp., signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small 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 and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3735**, dated February 28, 2003, signed and sealed by Joseph Chang, P.E.
(Submitted under previous NOA #03-0515.06)

2. Test reports on:
 - 1) Small 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 an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4874**, dated March 2, 2006, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #03-0515.06)

C. CALCULATIONS

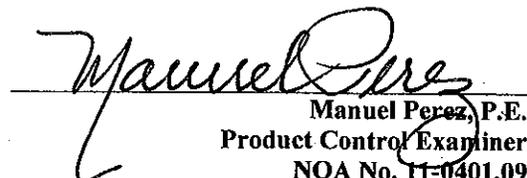
1. Anchor verification calculations and comparative analysis, complying with FBC-2007, dated March 15, 2011, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0223.05** issued to **Solutia, Inc.** for their "**Saflex Multi-layer Glass Interlayer**" dated 04/08/09, expiring on 04/08/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0401.09
Expiration Date: March 30, 2016
Approval Date: May 26, 2011

Universal Impact Windows & Doors, Inc.

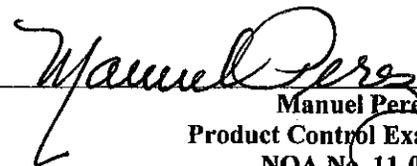
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated March 15, 2011, signed and sealed by Javad Ahmad, P.E.

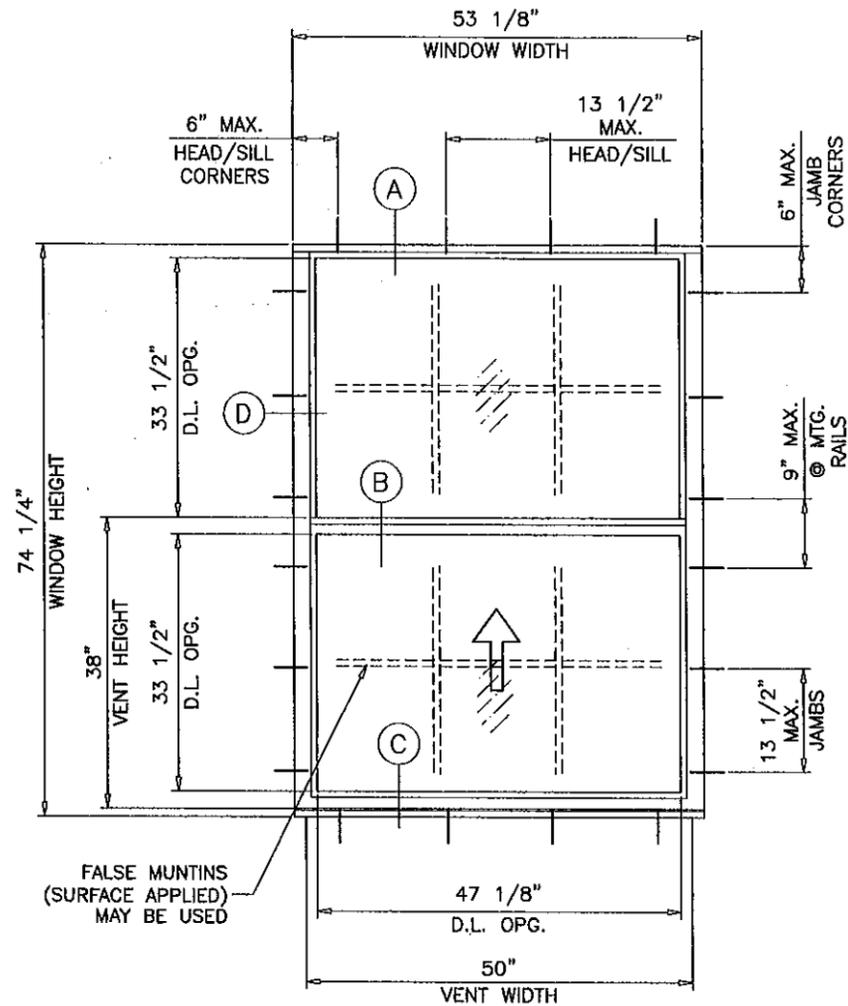
G. OTHERS

1. Notice of Acceptance No. **05-0515.06**, issued to Universal Impact Windows & Doors, Inc. for their Series "Rebecca" Aluminum Single Hung Window - SMI, approved on 03/30/06 and expiring on 03/30/11.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0401.09

Expiration Date: March 30, 2016
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TYPICAL ELEVATION

SERIES REBECCA
ALUMINUM SINGLE HUNG WINDOW (S.M.I.)

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF 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 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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

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

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

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

[Signature]
 MAY 18 2011

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0401.09
 Expiration Date March 30, 2016

By *[Signature]*
 Miami Dade Product Control



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

SERIES REBECCA ALUM. SINGLE HUNG WDW. (S.M.I.)
UNIVERSAL IMPACT WINDOWS & DOORS
 1675 W. 31ST PLACE
 HIALEAH, FL. 33012
 TEL (305) 825-7900 FAX (305) 825-5805

NO	date	description
A	9.12.03	LOAD CAPACITY CHART REV.
B	03.09.06	UPDATED FOR 2004 FBC
C	03.16.11	UPDATED FOR 2007 FBC
D	05.18.11	NO CHANGE THIS SHEET

date: 03-24-03
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

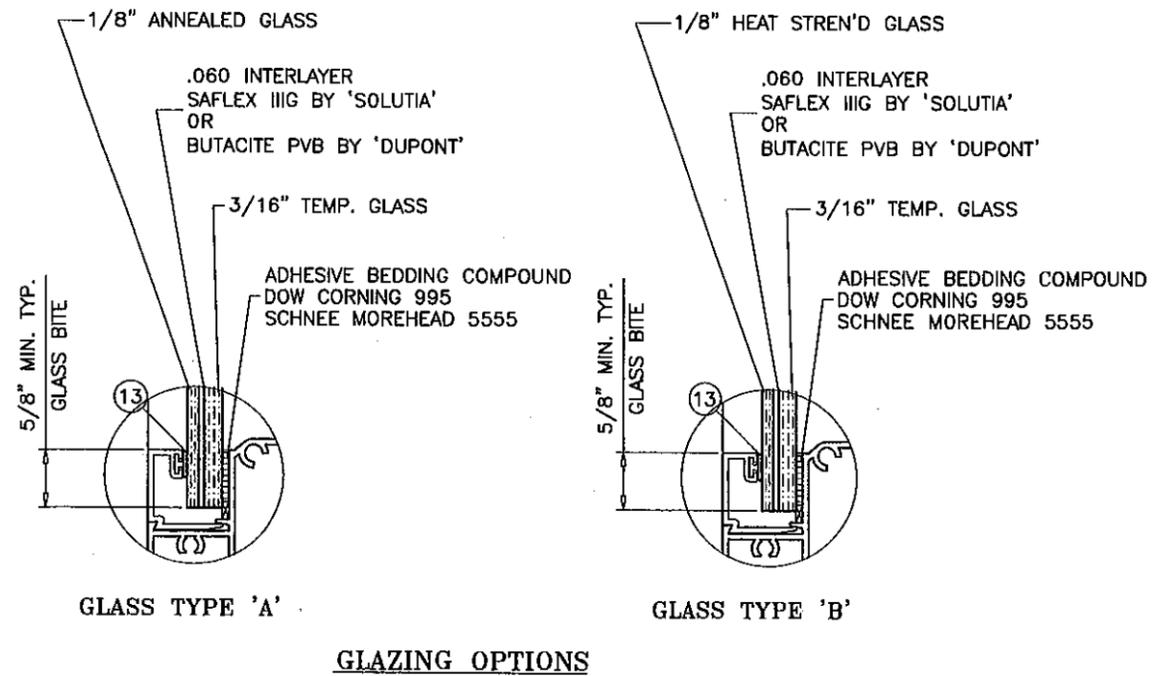
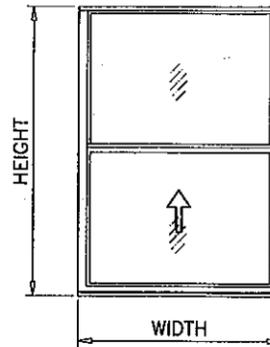
drawing no.
W03-24
 sheet 1 of 5

COMP-ANL\W03-20UW

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'A'				GLASS TYPE 'B'			
		1/4" ULTRACON		5/16" ULTRACON		1/4" ULTRACON		5/16" ULTRACON	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (4)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
48"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
53-1/8"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
19-1/8"	38-3/8" (4)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
48"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
53-1/8"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
19-1/8"	50-5/8" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
48"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
53-1/8"		85.3	110.0	85.3	110.0	85.3	113.5	85.3	125.5
19-1/8"	57" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
48"		85.3	110.0	85.3	110.0	85.3	123.8	85.3	130.0
53-1/8"		85.3	105.4	85.3	110.0	85.3	105.4	85.3	110.0
19-1/8"	63" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
48"		85.3	110.0	85.3	110.0	85.3	110.0	85.3	110.0
53-1/8"		85.3	99.7	85.3	110.0	85.3	99.7	85.3	110.0
19-1/8"	74-1/4" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
26-1/2"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
32"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
37"		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
42"		85.3	110.0	85.3	110.0	85.3	110.0	85.3	110.0
48"		85.3	110.0	85.3	110.0	85.3	110.0	85.3	110.0
53-1/8"		85.0	92.5	85.0	102.3	85.0	92.5	85.0	102.3

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

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



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

MAY 18 2011

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0401.09
Expiration Date MARCH 30, 2016

By *Mamun Para*
Miami Dade Product Control

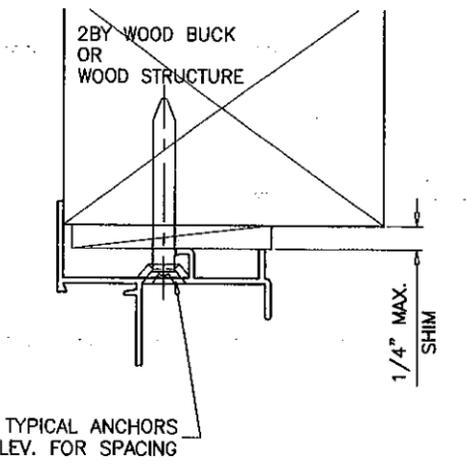
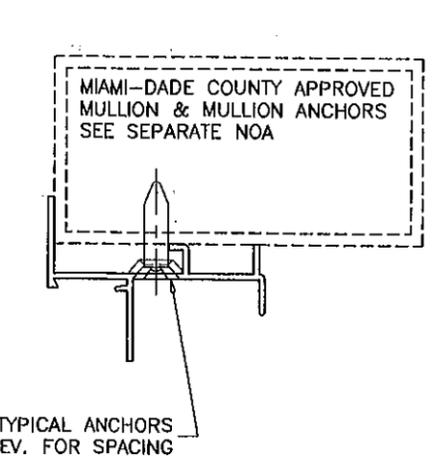
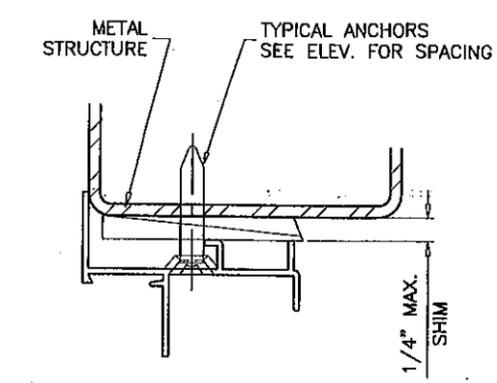
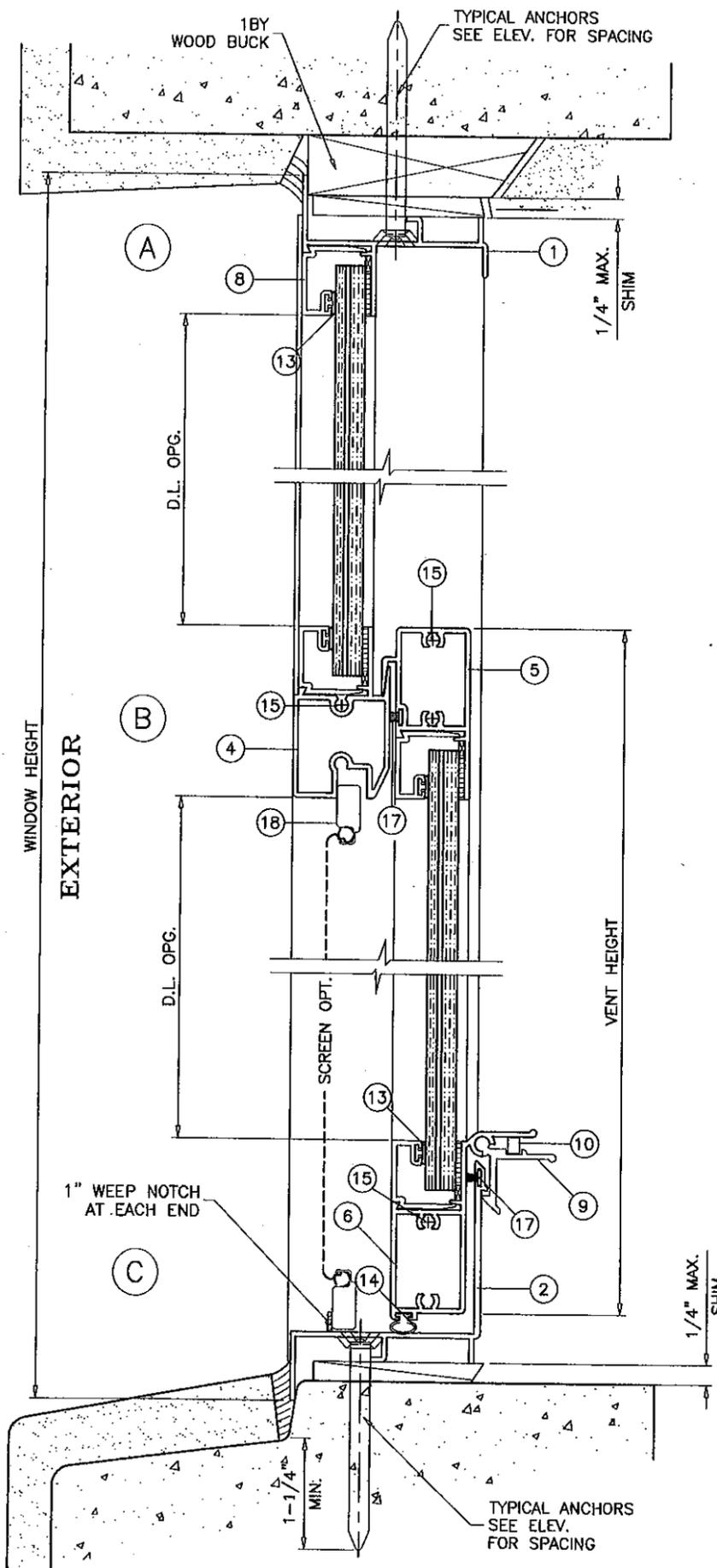
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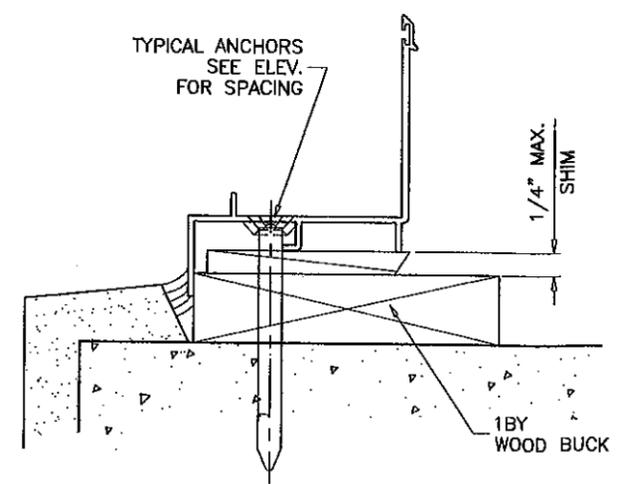
no	date	description
C	03.16.11	UPDATED FOR 2007 FBC
D	05.18.11	NO CHANGE THIS SHEET

date: 03-24-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-24
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY UNIVERSAL 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)

5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES

STEEL : 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)

#10 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

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

SEALANT:

FRAME CORNERS, FRAME SILL INSTALLATION SCREWS,
VENT CORNER SEAMS AND FIXED MEETING RAIL AT END
SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.

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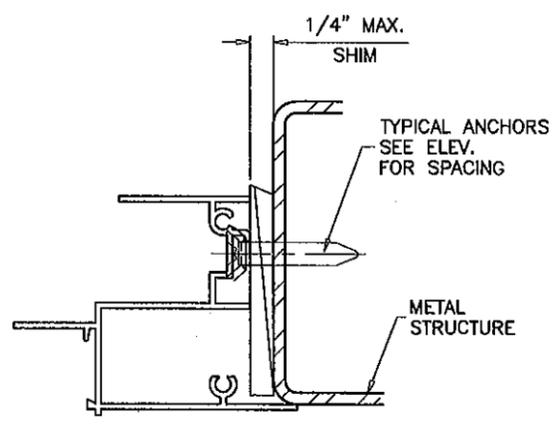
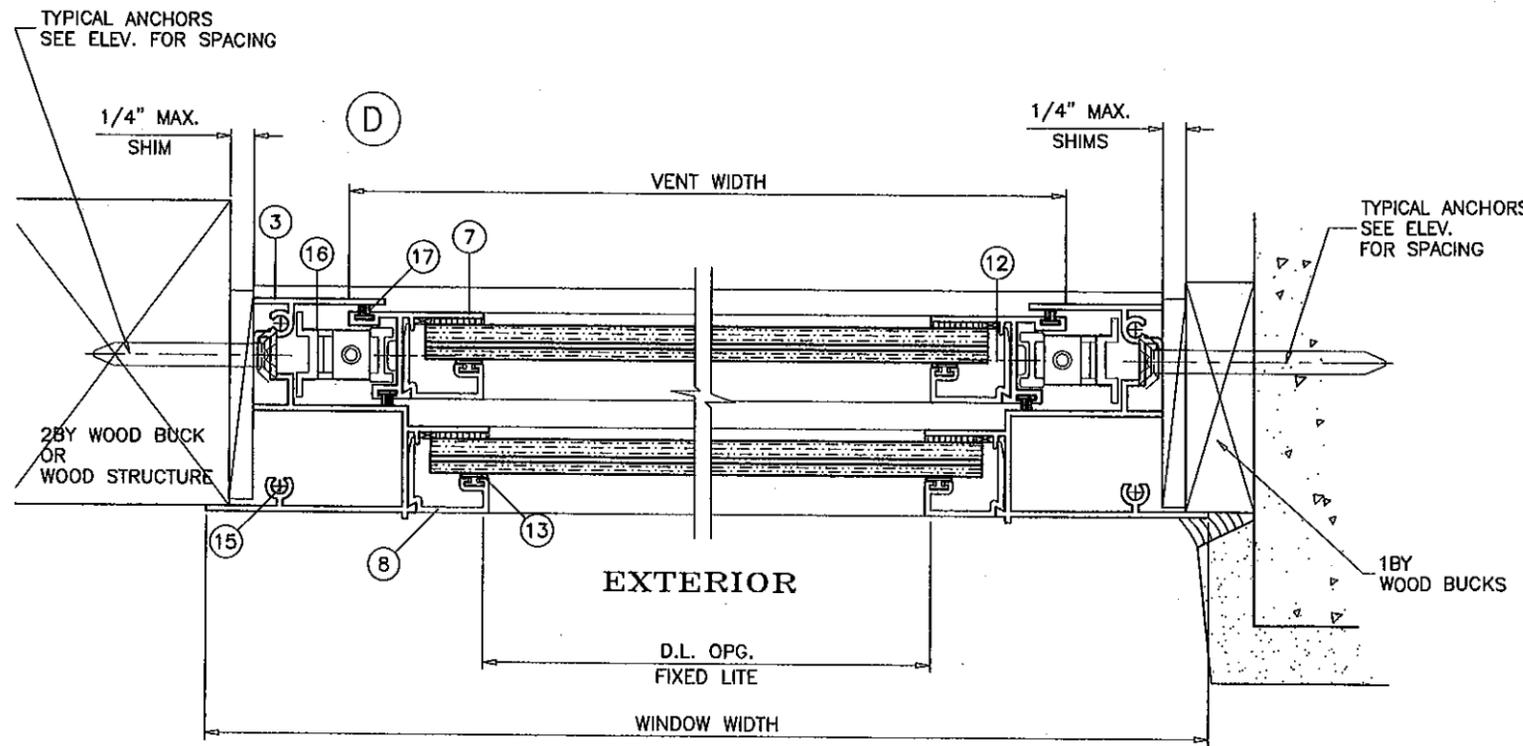
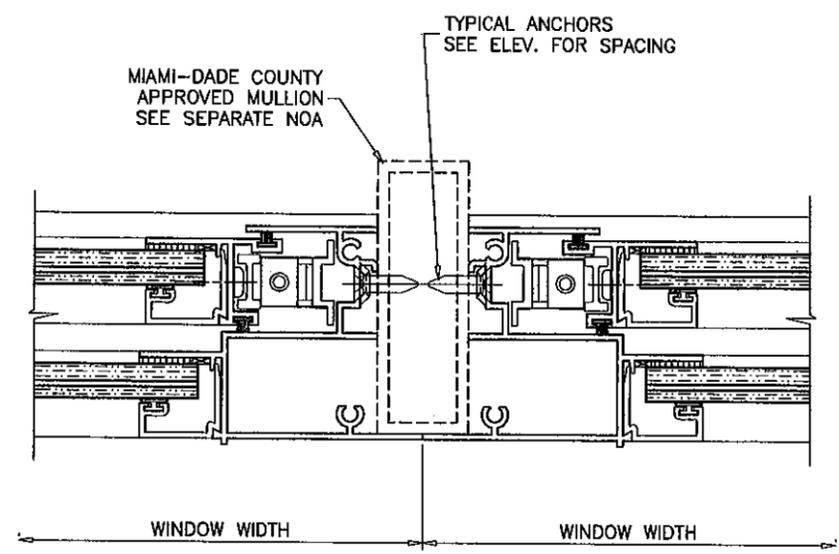
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no.	date	description	by
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C	03.16.11	UPDATED FOR 2007 FBC	
D	05.18.11	5/16" ULTRACON ADDED	

date:	03-24-03
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.	W03-24
sheet	3 of 5

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	UA-5001	1	FRAME HEAD	6063-T6
2	UA-5002	1	FRAME SILL	6063-T6
3	UA-5003	2	FRAME JAMB	6063-T6
4	UA-5004	1	FIXED MTC. RAIL	6063-T6
5	UA-5005	1	VENT TOP RAIL	6063-T6
6	UA-5006	1	VENT BOTTOM RAIL	6063-T6
7	UA-5007	2	VENT JAMB	6063-T6
8	UA-47512	AS REQD.	GLAZING BEAD	6063-T5
9	UA-5009	2/VENT	VENT LATCH @ 6" FROM ENDS	6063-T5
10	UA-5010	1/LATCH	LEAF SPRING	STAINLESS STEEL
11	-	2/ VENT	SASH STOP (NOT SHOWN)	6063-T5
12	-	2/VENT	BALANCE STOP SCREW	#6 x 1/2" SMS
13	-	AS REQD.	GLAZING GASKET	VINYL
14	UA-5013	AS REQD.	BOTTOM RAIL VINYL	BULB VINYL BY TEAM PLASTICS
15	-	20	ASSEMBLY SCREWS	#10 x 1" P.H. CRS
16	-	2	BLOCK & TACKLE BALANCE	5/8" BOX, BALANCE SYSTEMS INC. OR EQ.
17	-	AS REQD.	PILE WEATHERSTRIP	SCHLEGEL FIN SEAL OR EQUIV.
18	-	1	5/16" BOX SCREEN	OPTIONAL



Engr: JAVAD AHMAD
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By *Marcus Perez*
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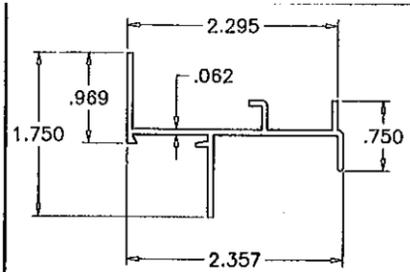
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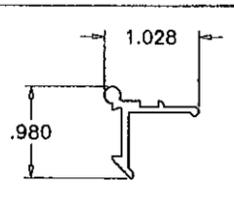
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revisions:	no	date	description
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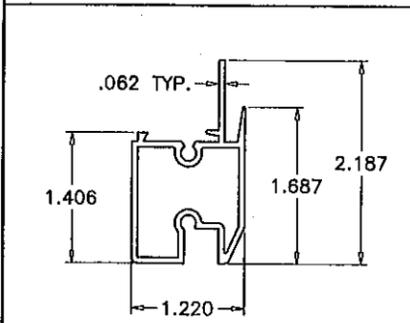
date: 03-24-03	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W03-24			
sheet 4 of 5			



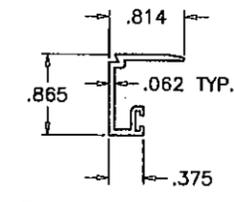
① FRAME HEAD



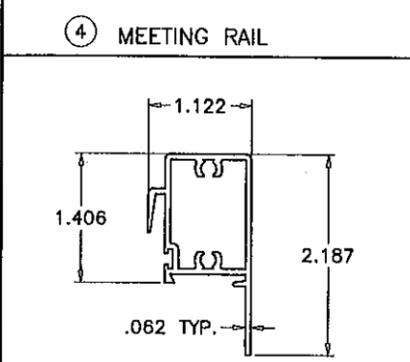
⑨ VENT LATCH



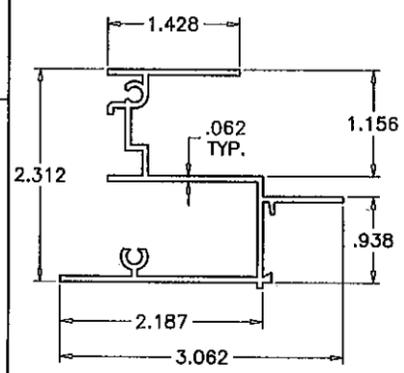
④ MEETING RAIL



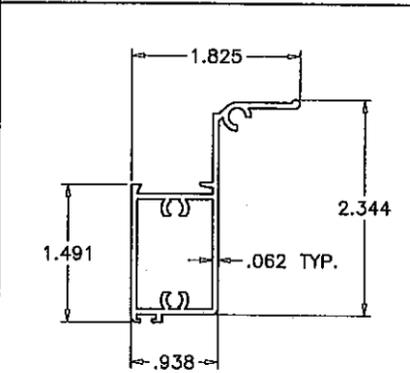
⑧ GLAZING BEAD



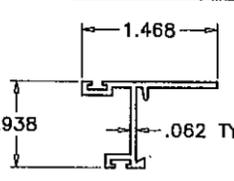
⑤ VENT TOP RAIL



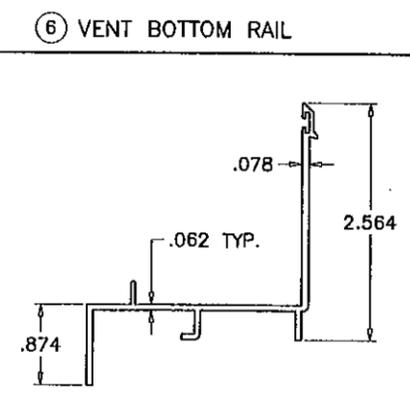
③ FRAME JAMB



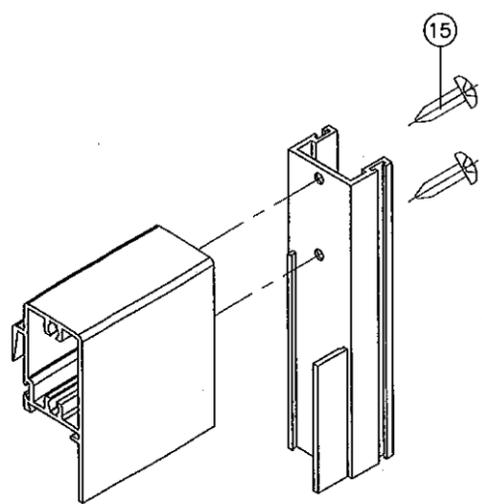
⑥ VENT BOTTOM RAIL



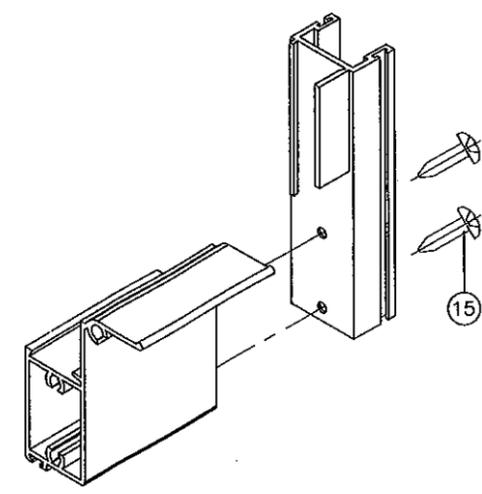
⑦ VENT SIDE RAIL



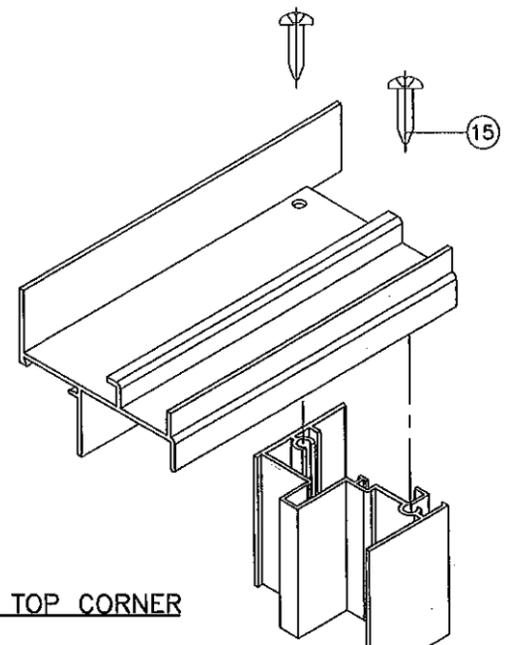
② FRAME SILL



VENT TOP CORNER

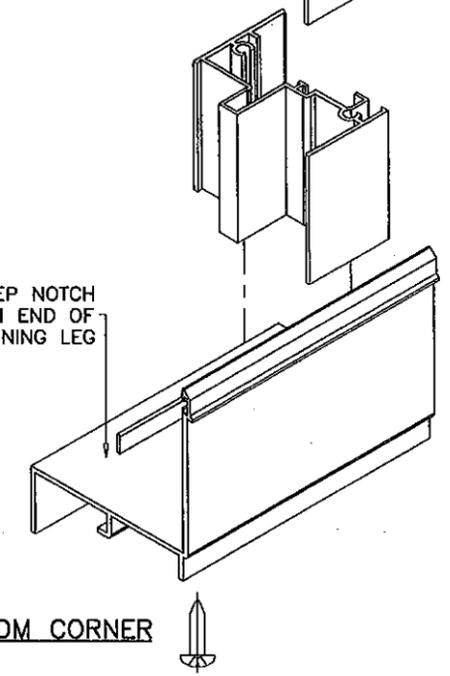


VENT BOTTOM CORNER



FRAME TOP CORNER

7/8" WEEP NOTCH
AT EACH END OF
SCREEN RETAINING LEG



FRAME BOTTOM CORNER

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 5538

J.A.
MAY 18 2016

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-040109
Expiration Date: MARCH 22, 2016

By: *Marwan Pasa*
Miami Dade Product Control

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\W03-20UW

SERIES REBECCA ALUM. SINGLE HUNG WDW. (S.M.I.)
UNIVERSAL IMPACT WINDOWS & DOORS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

no	date	by	description
A	9.12.03	REV. PER BCCO COMMENTS	
B	03.09.06	UPDATED FOR 2004 FBC	
C	03.16.11	UPDATED FOR 2007 FBC	
D	05.18.11	NO CHANGE THIS SHEET	

date: 03-24-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-24
sheet 5 of 5