



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

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 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 "Rebecca" Aluminum Single Hung Window - SMI

APPROVAL DOCUMENT: Drawing No. **W03-24**, titled "S-Rebecca Alum. Single Hung Window (S.M.I.)", sheets 1 through 4 of 4, dated 03/24/03, with revision B dated 03/09/06, prepared by Al-Farooq Corp., signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 03-0515.06
Expiration Date: March 30, 2011
Approval Date: March 30, 2006
Page - 1

Universal Impact Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-24**, titled "S-Rebecca Alum. Single Hung Window (S.M.I.)", sheets 1 through 4 of 4, dated 03/24/03, with revision B dated 03/09/06, prepared by Al-Farooq Corp., 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) 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.
2. Test reports on 1) Small 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 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.

C. CALCULATIONS

1. Anchor verification calculations and comparative analysis, complying with FBC-2004, dated February 15, 2006, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E 1300-02 w/reductions for flexible supports.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

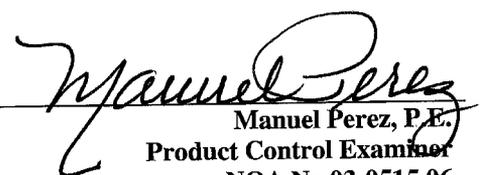
1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for Their "Saflex / Keepsafe Maximum", dated 05/17/01 and expiring on 05/21/06.

F. STATEMENTS

1. Statement letter of conformance, dated February 15, 2006, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated February 15, 2006, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

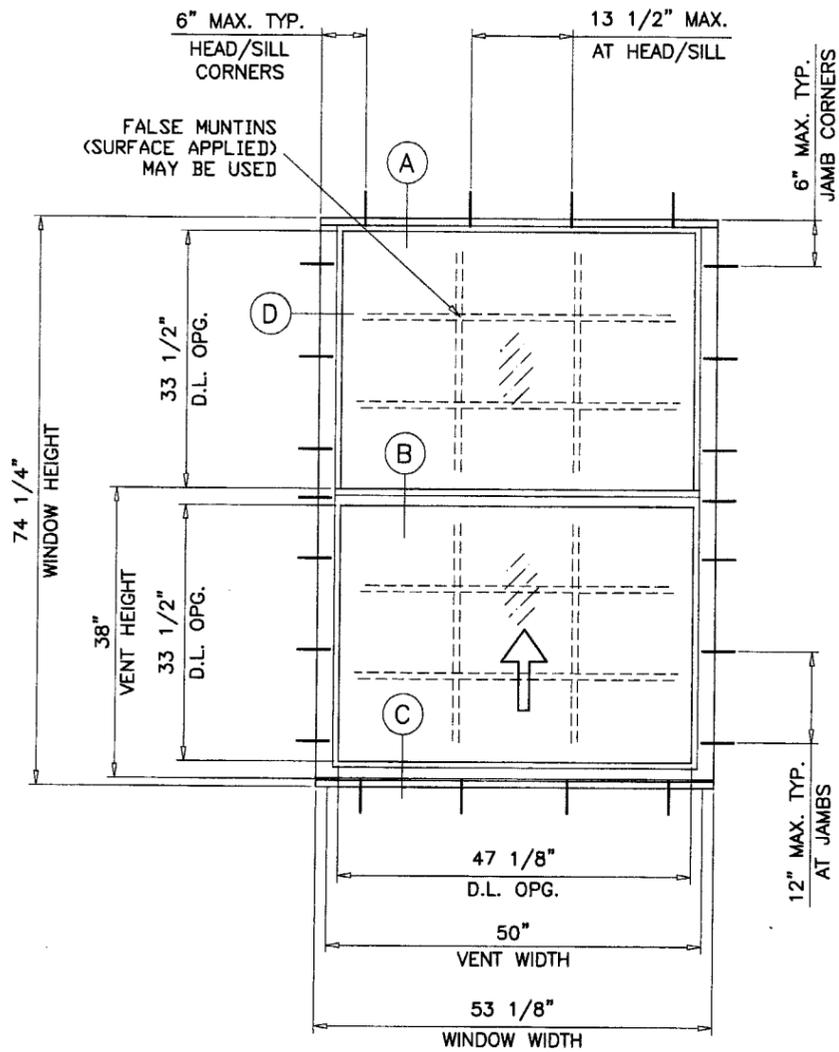
1. None.


Manuel Perez, P.E.
Product Control Examiner

NOA No 03-0515.06

Expiration Date: March 30, 2011

Approval Date: March 30, 2006



TYPICAL ELEVATION

S-REBECCA ALUM. SINGLE HUNG WINDOW (S.M.I.)

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR S.H. 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 FOR THE 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.

WINDOW DIMS.		DESIGN LOAD CAPACITY - PSF							
		GLASS TYPE 'A'				GLASS TYPE 'B'			
		1/4" TAPCONS		5/16" TAPCONS		1/4" TAPCONS		5/16" TAPCONS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	26" (3)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	129.3	85.3	130.0
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	38-3/8" (4)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	120.9	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	111.0	85.3	130.0
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	50-5/8" (5)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	108.8	85.3	110.0	85.3	108.8	85.3	130.0
		85.3	100.3	85.3	109.0	85.3	100.3	85.3	130.0
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	57" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	125.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	113.0	85.3	130.0
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	63" (6)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	120.6	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	110.2	85.3	130.0
		85.3	99.8	85.3	110.0	85.3	99.8	85.3	110.0
		85.3	92.4	85.3	100.3	85.3	92.4	85.3	110.0
19-1/8" 26-1/2" 32" 37" 42" 48" 53-1/8"	74-1/4" (7)	85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	130.0	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	125.5	85.3	130.0
		85.3	110.0	85.3	110.0	85.3	113.4	85.3	130.0
		85.3	104.0	85.3	110.0	85.3	104.0	85.3	110.0
		85.0	87.9	85.3	92.7	85.0	87.9	85.0	110.0

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

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.

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

MAR 09 2006

Approved as complying with the Florida Building Code
Date: MARCH 30, 2006
NOA# 03-0515.06
Miami Dade Product Control Division
By: *Manuel Perez*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-20UW

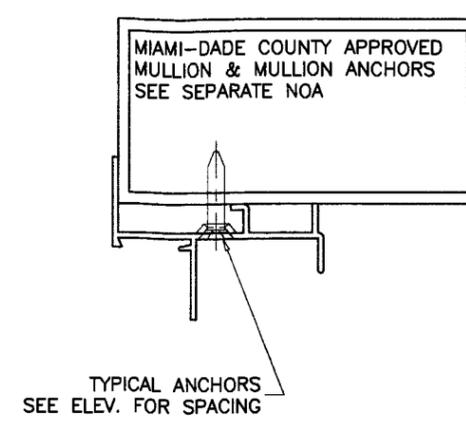
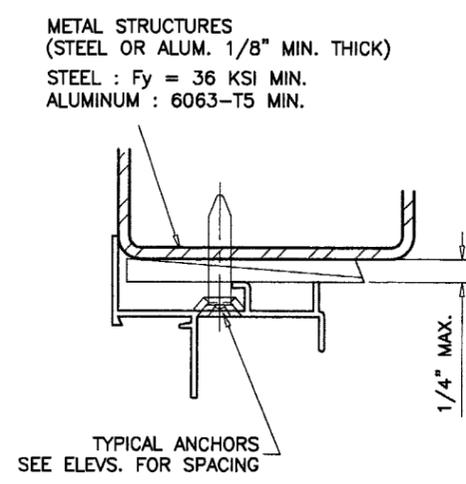
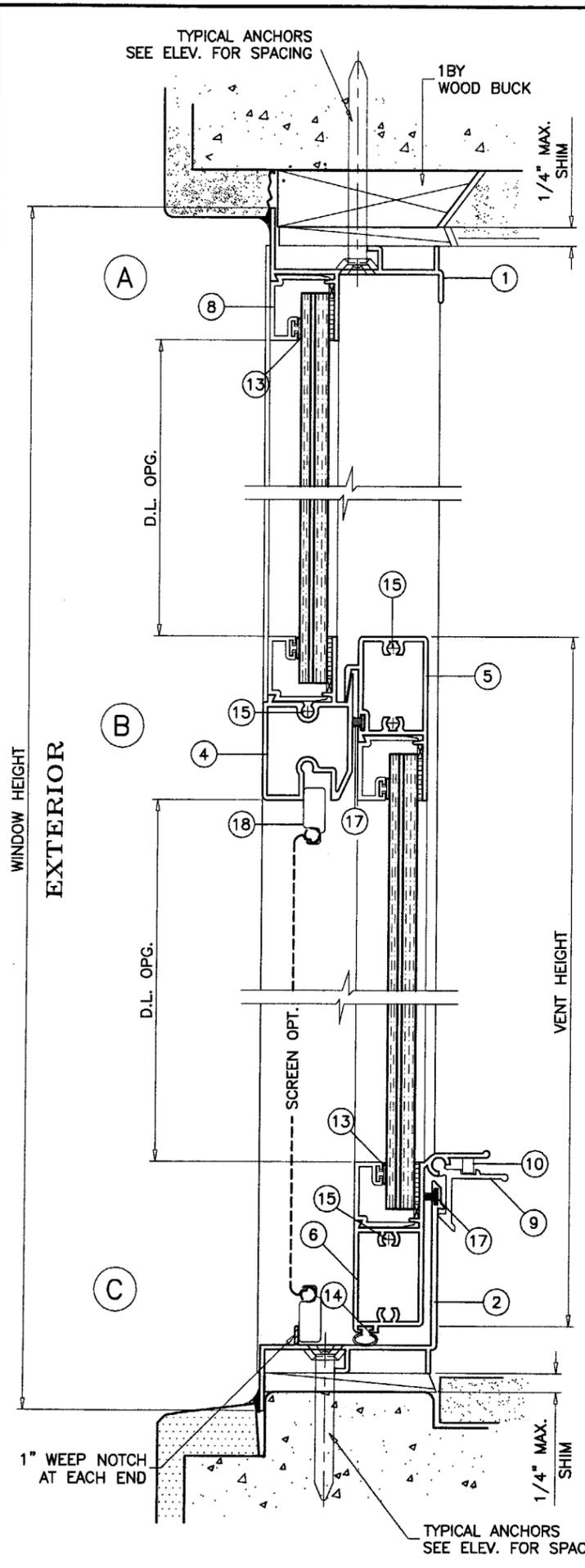
S-REBECCA ALUM. SINGLE HUNG WINDOW (S.M.I.)
UNIVERSAL IMPACT WINDOWS & DOORS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

no	date	description
A	9.12.03	LOAD CAPACITY CHART REV.
B	03.09.06	UPDATED FOR 2004 FBC

revisions:

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

drawing no. **W03-24**
sheet 1 of 4

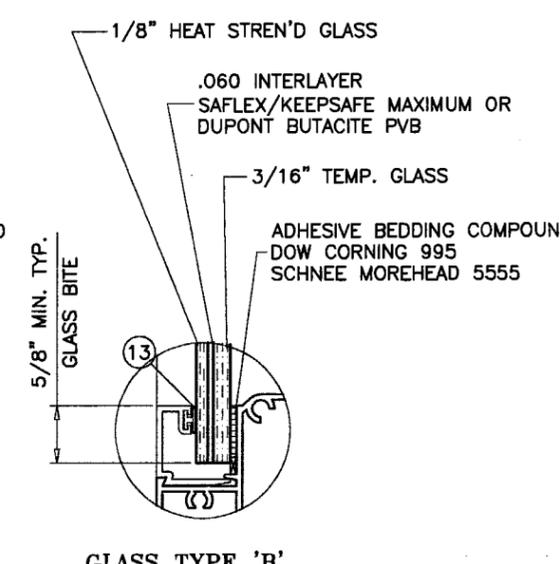
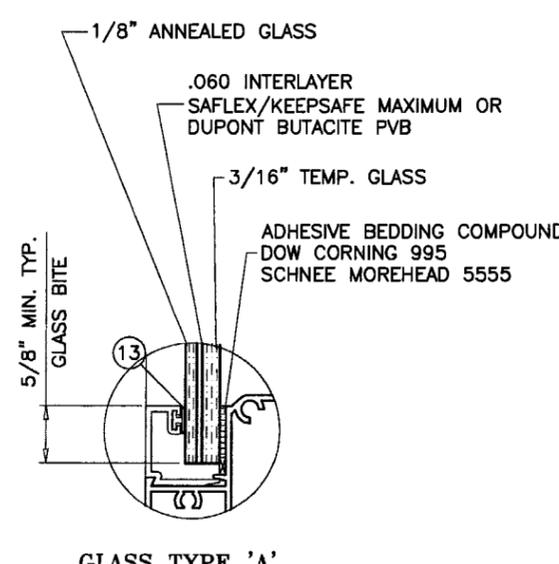


WOOD BUCKS AND METAL STRUCTURE NOT BY UNIVERSAL
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" OR 5/16" TAPCONS
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
1/4" SELF DRILLING SCREWS
INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

#10 SMS OR SELF DRILLING SCREWS (USE CHART FOR 1/4" TAPCONS)
INTO DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)

SEALANT:
FRAME CORNERS, FRAME SILL INSTALLATION SCREWS,
VENT CORNER SEAMS AND FIXED MEETING RAIL AT END
SEALED WITH SCHNEE MOREHEAD 5502 SEAM SEALER.



GLAZING OPTIONS

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

[Signature]
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Miami Dade Product Control
By: *[Signature]*

afc

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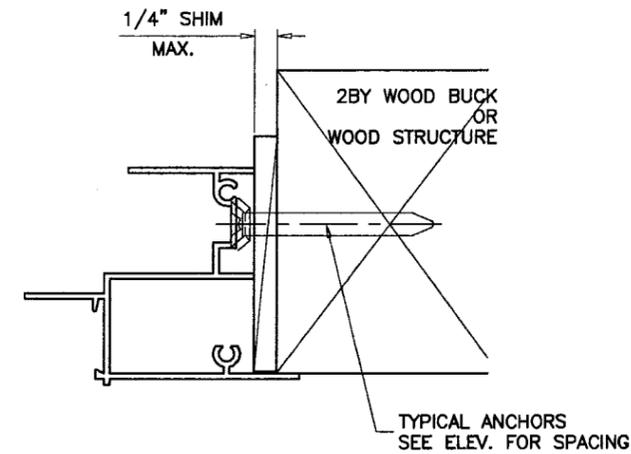
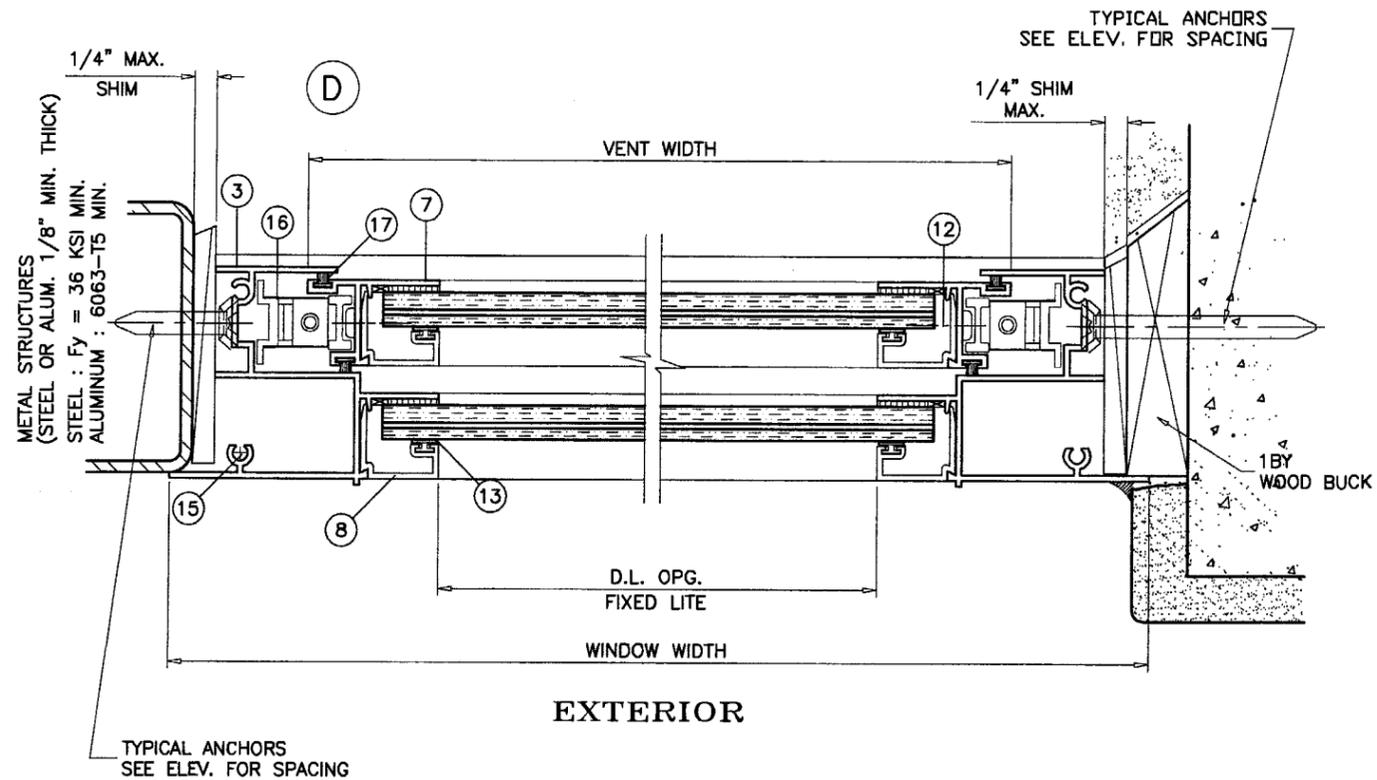
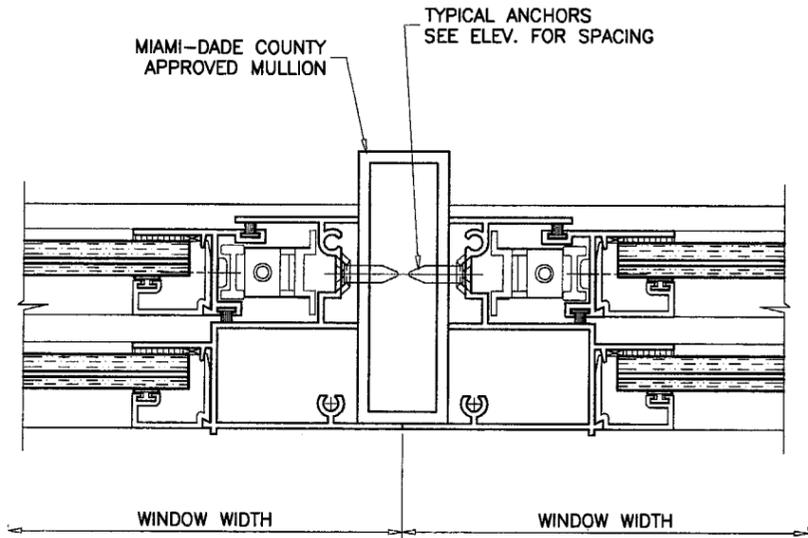
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NO	DATE	DESCRIPTION	REV. PER	COMMENTS
A	9.12.03			
B	03.09.06			UPDATED FOR 2004 FBC

revisions:

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

drawing no.
W03-24
sheet 2 of 4



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	UA-5001	1	FRAME HEAD	6063-T5
2	UA-5002	1	FRAME SILL	6063-T5
3	UA-5003	2	FRAME JAMB	6063-T5
4	UA-5004	1	FIXED MTG. RAIL	6063-T5
5	UA-5005	1	VENT TOP RAIL	6063-T5
6	UA-5006	1	VENT BOTTOM RAIL	6063-T5
7	UA-5007	2	VENT JAMB	6063-T5
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

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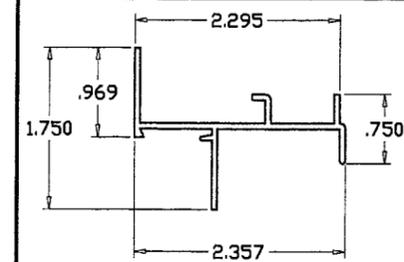
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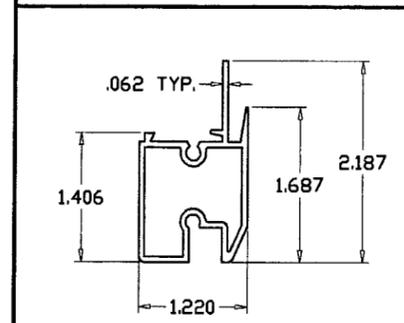
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B	03.09.06	UPDATED FOR 2004 FBC

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

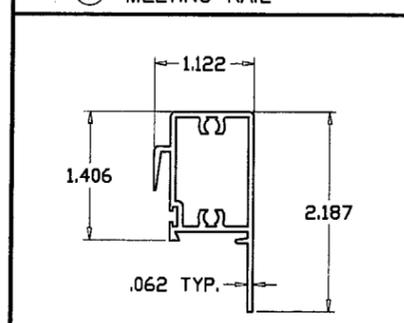
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W03-24
sheet 3 of 4



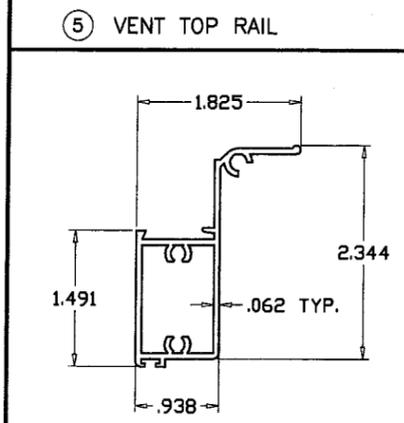
① FRAME HEAD



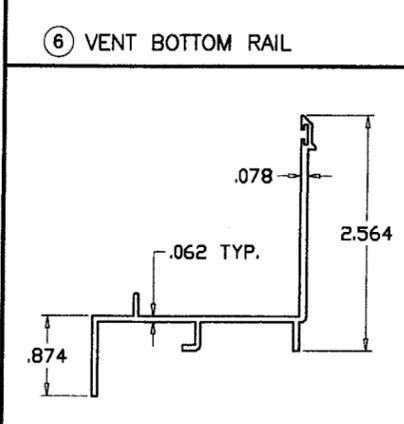
④ MEETING RAIL



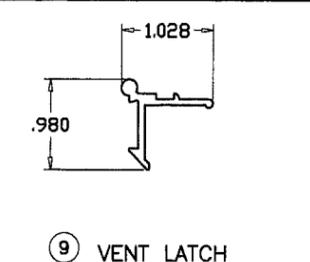
⑤ VENT TOP RAIL



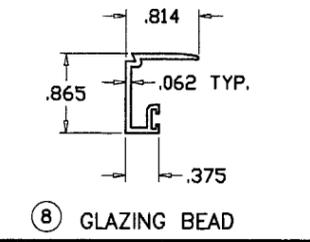
⑥ VENT BOTTOM RAIL



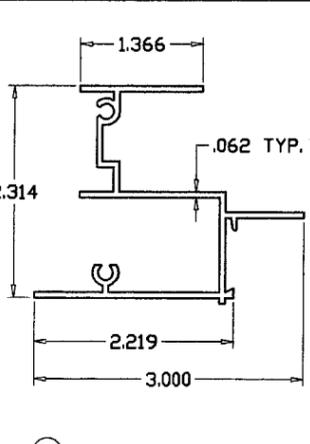
② FRAME SILL



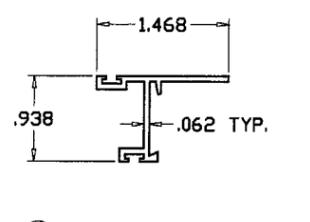
⑨ VENT LATCH



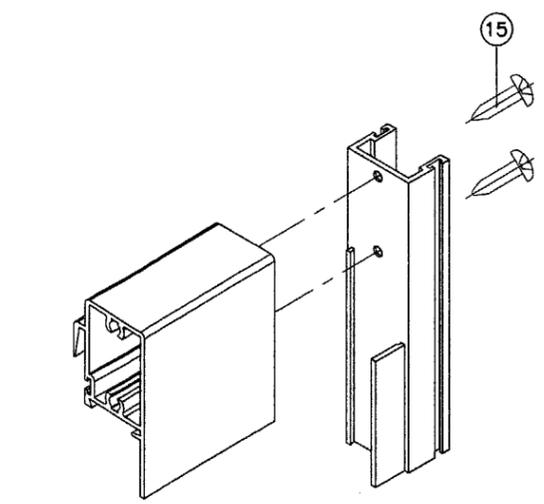
⑧ GLAZING BEAD



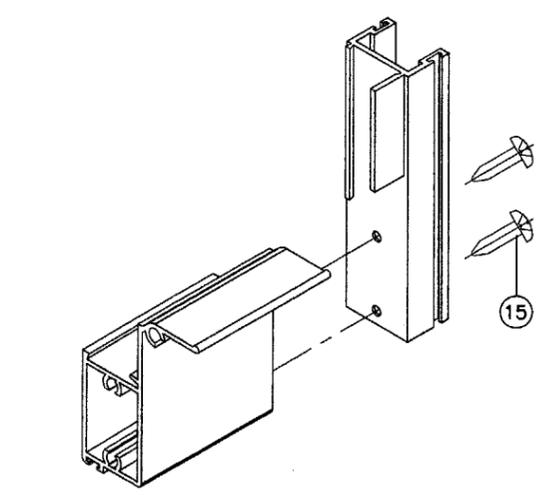
③ FRAME JAMB



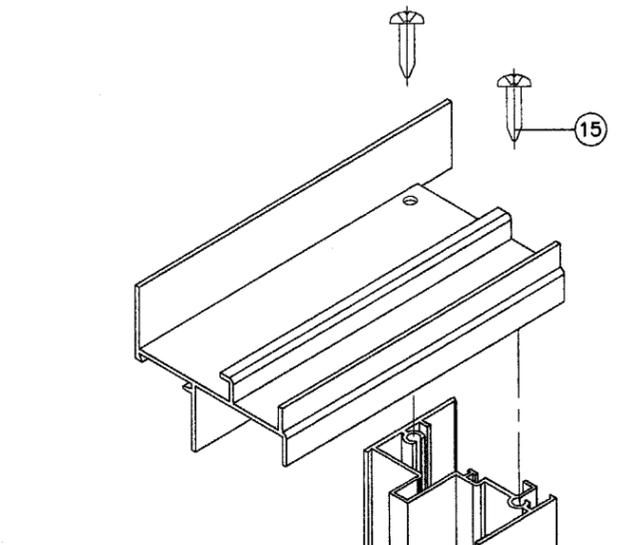
⑦ VENT SIDE RAIL



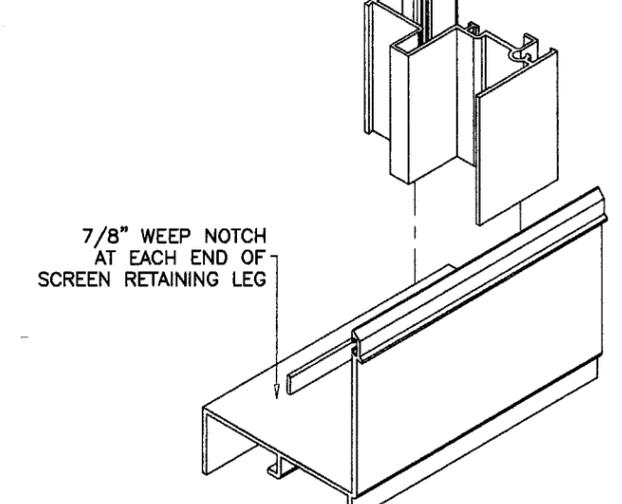
VENT TOP CORNER



VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

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

Engr: DR. HUMAYOUN FAROOQ
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Minimal Data Product Control
By Manuel Perez

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revisions:

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sheet 4 of 4