



**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)

**Universal Aluminum 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 Horizontal Sliding Window - SMI

APPROVAL DOCUMENT: Drawing No. **W03-42**, titled "S-Rebecca Coastal Horiz. Rolling Window (S.M.I.)", Sheets 1 through 4 of 4, dated 06/16/03, with revision A dated 07/01/04, prepared by Al-Farooq Corporation, 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 03-0709.03
Expiration Date: November 18, 2009
Approval Date: November 18, 2004
Page 1**

Universal Aluminum Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-42**, titled "S-Rebecca Coastal Horiz. Rolling Window (S.M.I.)", Sheets 1 through 4 of 4, dated 06/16/03 with revision A dated 07/01/04, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of a series Rebecca aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3760**, dated 03/21/03, signed and sealed by Joseph C. Chan, P.E.

C. CALCULATIONS

1. Comparative analysis & glazing analysis prepared by Al-Farooq Corporation, dated June 16, 2003 and June 30, 2004, signed and sealed by Dr. Humayoun Farooq, P.E. Complies with ASTM E1300-98

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 "Saflex / Keepsafe Maximum", approved on 05/17/2001 and expiring on 05/21/2006.

F. STATEMENTS

1. Statement letter of conformance, dated 06/16/2003, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of no financial interest dated 06/16/2003 signed and sealed by Dr. Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **FTL- 3760**, issued by Fenestration Testing Laboratory, Inc., dated March 28, 2003, signed and sealed by Joseph C. Chan, P.E.

G. OTHER:

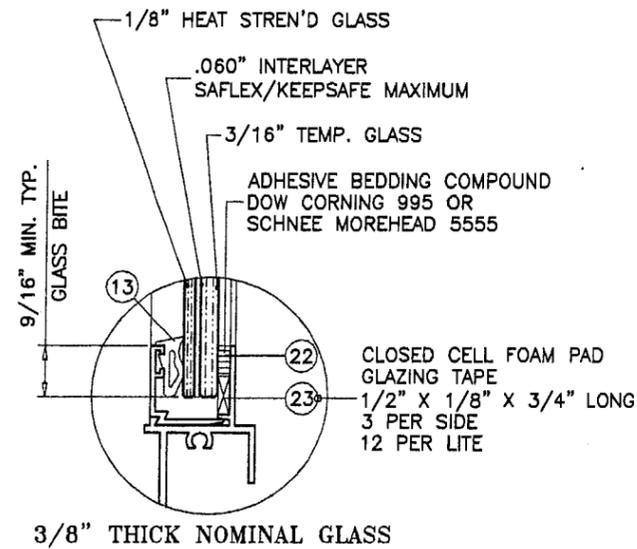
1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0709.03
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DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)					
WINDOW DIMS.		A	B	3/8" - LAM. GLASS	
WIDTH	HEIGHT			EXT.(+)	INT.(-)
26-1/2"	26"	3	3	100.0	150.0
37"		4	3	100.0	150.0
53-1/8"		6	5	100.0	150.0
74"		7	6	100.0	150.0
26-1/2"	38-3/8"	3	3	100.0	150.0
37"		4	3	100.0	150.0
53-1/8"		6	5	100.0	150.0
74"		7	6	100.0	148.5
26-1/2"	50-5/8"	3	3	100.0	150.0
37"		4	3	100.0	150.0
53-1/8"		6	5	100.0	150.0
74"		7	6	100.0	122.2
26-1/2"	56"	3	3	100.0	150.0
37"		4	3	100.0	141.0
53-1/8"		6	5	100.0	145.5
74"		7	6	100.0	113.4
26-1/2"	63"	3	3	100.0	145.2
37"		4	3	100.0	127.3
53-1/8"		6	5	100.0	132.2
74"		7	6	100.0	103.6
24"	24"	3	2	100.0	150.0
36"		4	3	100.0	150.0
48"		5	4	100.0	150.0
60"		6	5	100.0	150.0
72"		7	6	100.0	150.0
24"	36"	3	2	100.0	150.0
36"		4	3	100.0	150.0
48"		5	4	100.0	150.0
60"		6	5	100.0	150.0
72"		7	6	100.0	150.0
24"	48"	3	2	100.0	150.0
36"		4	3	100.0	150.0
48"		5	4	100.0	150.0
60"		6	5	100.0	141.7
72"		7	6	100.0	131.5
24"	56"	3	2	100.0	150.0
36"		4	3	100.0	145.5
48"		5	4	100.0	136.8
60"		6	5	100.0	125.7
72"		7	6	100.0	117.3
24"	60"	3	2	100.0	143.3
36"		4	3	100.0	137.0
48"		5	4	100.0	129.2
60"		6	5	100.0	119.0
72"		7	6	100.0	111.3

A = NO. OF ANCHORS AT HEAD
B = NO. OF ANCHORS AT SILL

NOTE:
THE ABOVE CHART IS FOR WINDOWS USING APPLIED RISER AT SILL
FOR WINDOWS WITHOUT APPLIED RISER LIMIT EXTERIOR LOADS TO + 46.7 PSF.



S-REBECCA COASTAL HORIZ. ROLLING WINDOW (S.M.I.)

WINDOWS ARE RATED FOR SMALL MISSILE IMPACT, AND REQUIRE PROTECTION BY MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS FOR INSTALLATIONS UPTO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

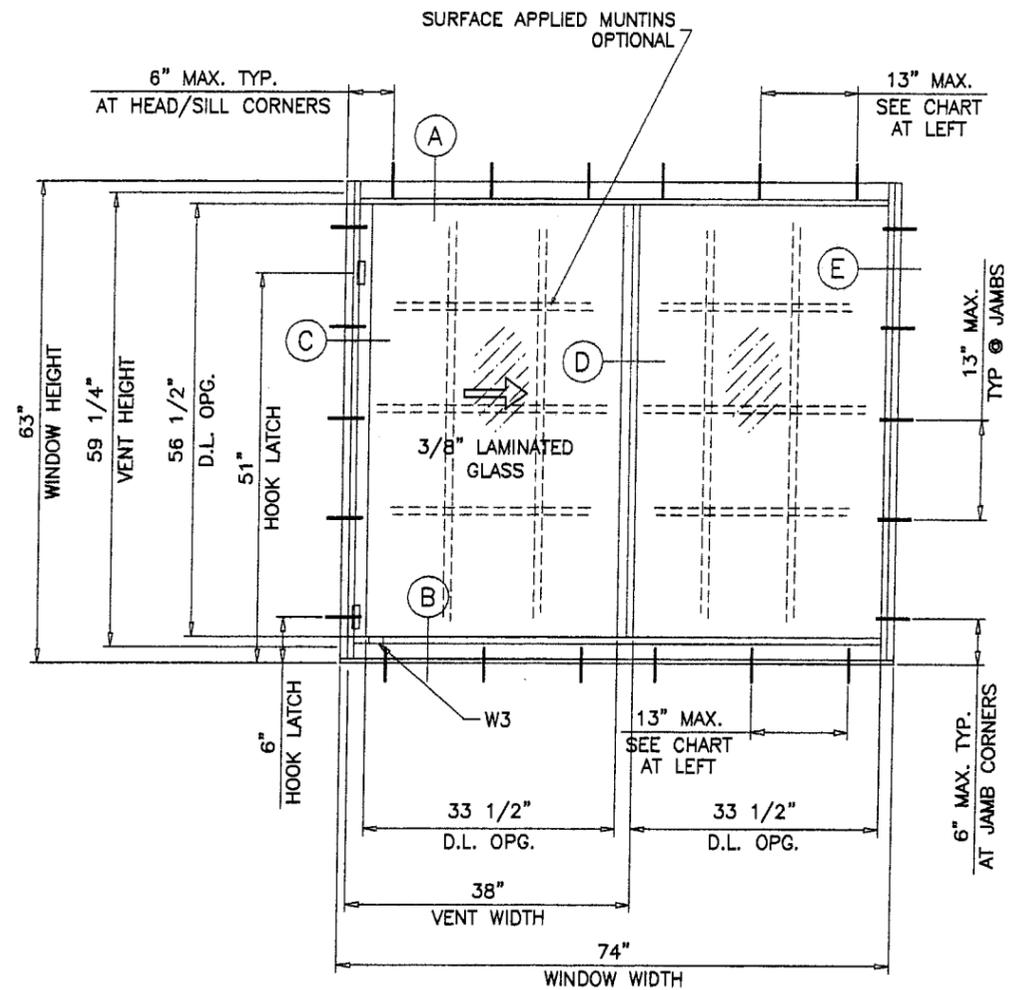
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE.

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

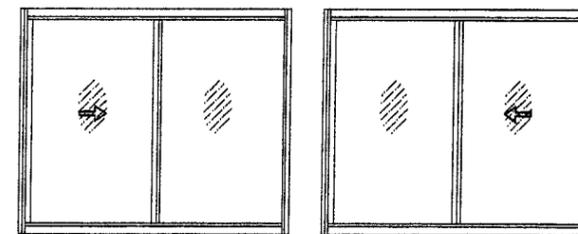
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

A 33% INCREASE IN ALLOWABLE STRESS WAS USED IN DESIGN OF ANCHORS.



TYPICAL ELEVATION
TESTED UNIT



XO

OX

APPROVED CONFIGURATIONS

GLASS WIDTHS TO BE EQUAL ON MOVING AND FIXED LITES

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

Approved as complying with the
Florida Building Code
Date Nov. 18, 2004
NOA# 03-0709.03
Miami Dade Product Control
Division
By [Signature]

AUG 20 2004

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

S-REBECCA COASTAL HORIZ. ROLLING WINDOW (S.M.I.)
UNIVERSAL ALUMINUM WINDOWS
1675 W. 31st. PLACE
HIALEAH, FL 33012
TEL.(305) 825-7900 FAX.(305) 825-5805

no.	date	description	REV. PER	REVISIONS
A	07.01.04			COMMENTS

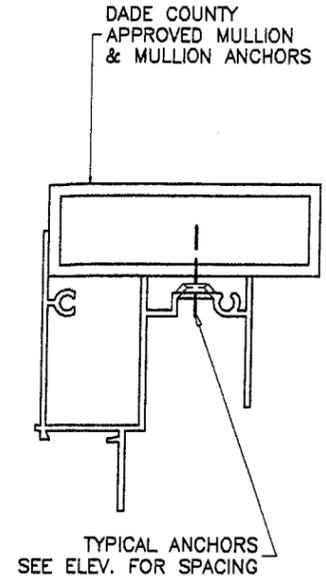
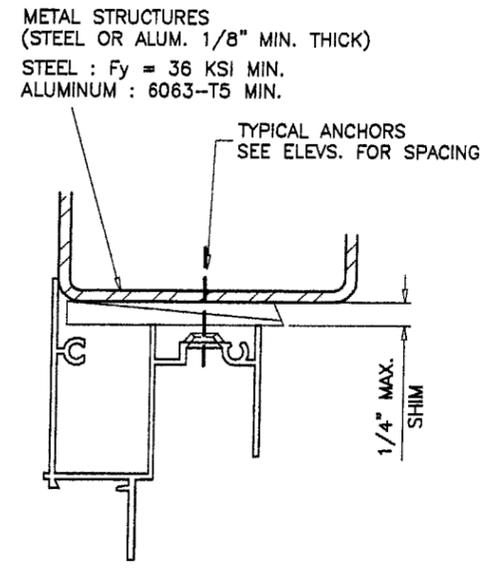
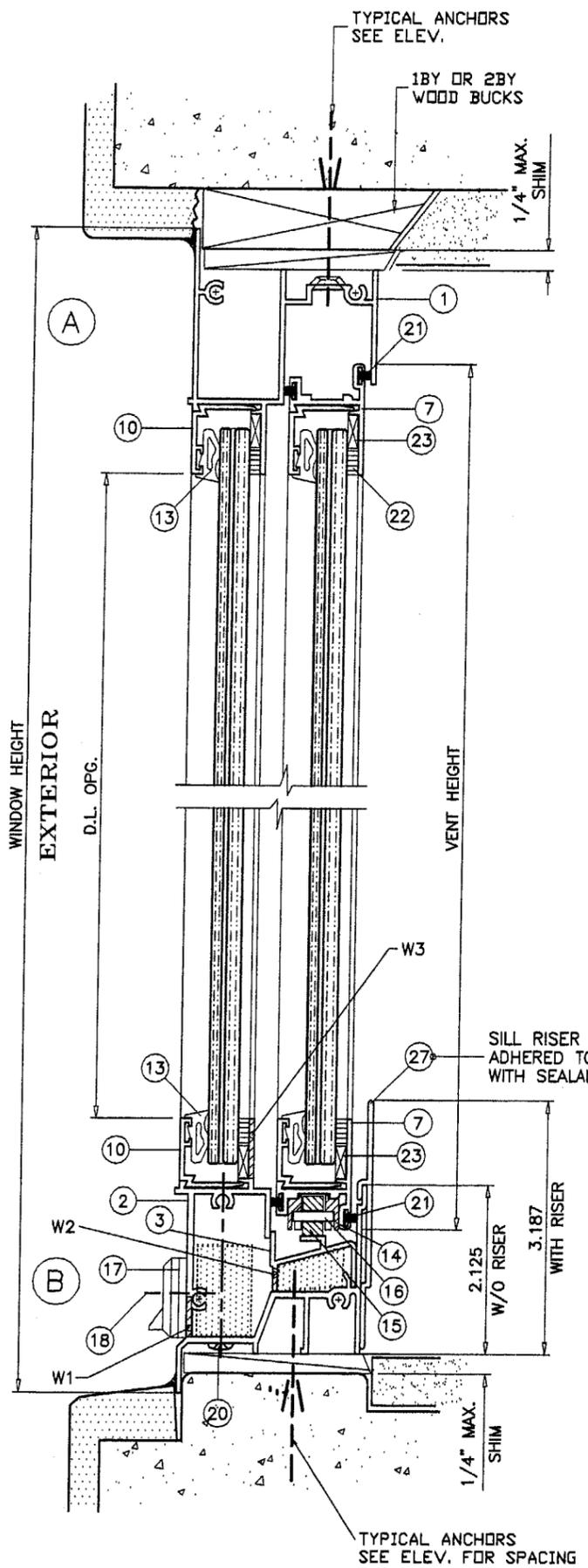
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-42

sheet 1 of 4

COMP-ANL\W03-42UW

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



TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

1/4" TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD

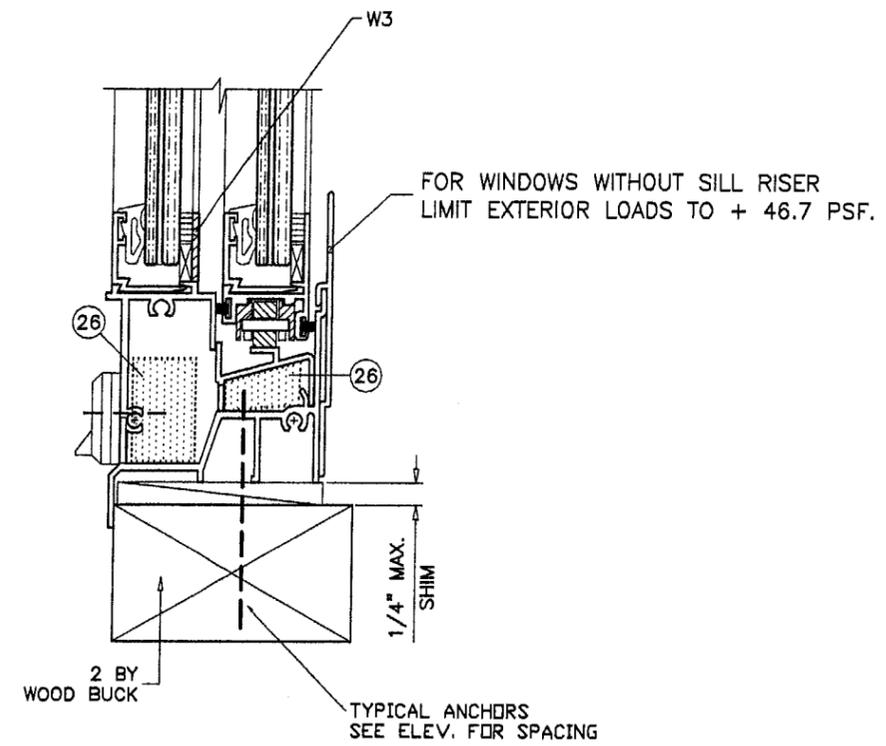
THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.

1/4" TEKS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
 (1/4" MAX. SHIM SPACE)

#10 SMS OR SELF DRILLING SCREWS
 INTO DADE COUNTY APPROVED MULLIONS
 (NO SHIM SPACE)

SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

WEEPHOLES:
 W1 = (1 7/8" X 1/2" WEEPHOLES) AT 4" FROM EACH END WITH PLASTIC FLAP VALVE AND FOAM PADS
 W2 = (1 7/8" X 5/16" WEEPHOLES) AT 4" FROM EACH END WITH FOAM PADS
 W3 = (1 7/8" NOTCH) AT ONE END ONLY AT GLAZING LEG IN FRONT OF MOV. VENT



Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
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 Miami Dade Product Control
 Division
 By Manuel Perez
 AUG 20 2004

afjc

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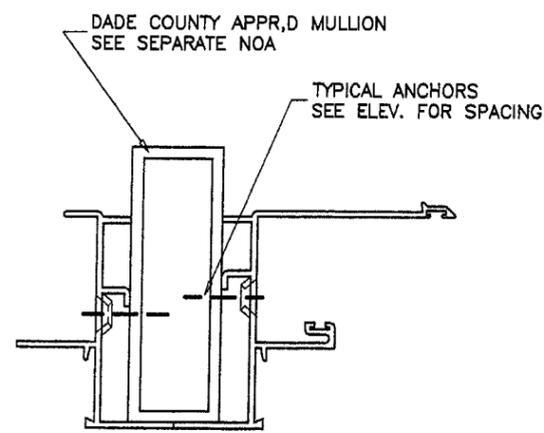
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A	07.01.04				

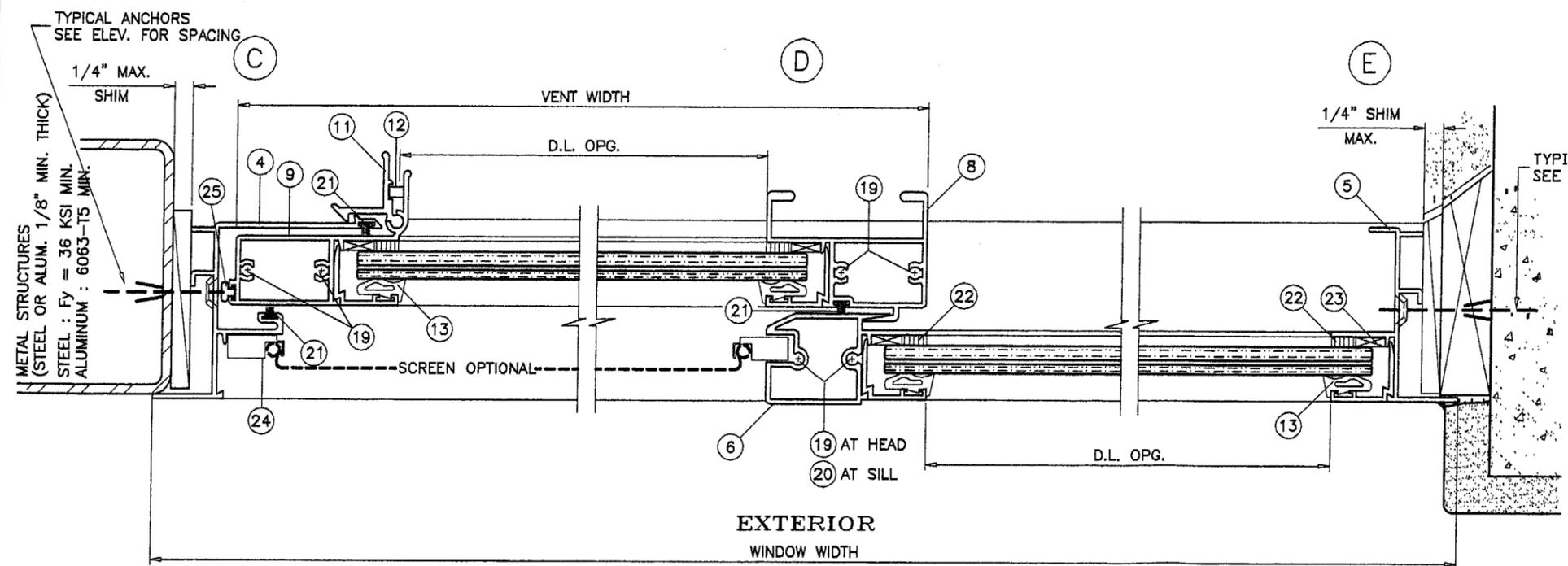
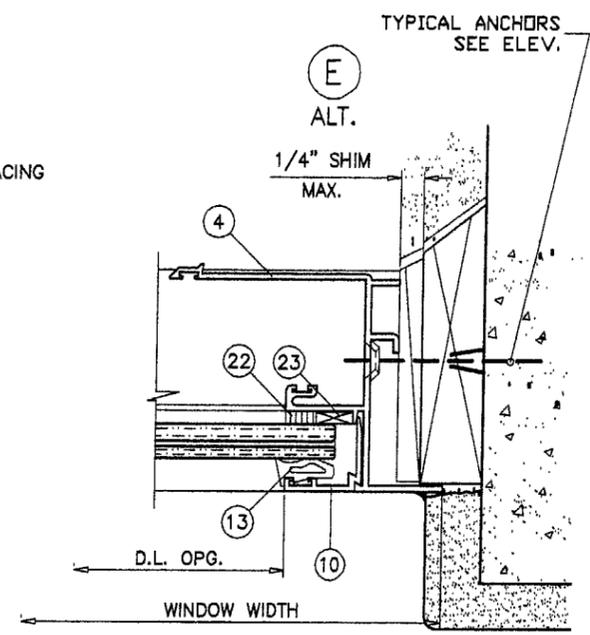
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date: 06-16-03
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no. **W03-42**
 sheet 2 of 4



SIDE BY SIDE INSTALLATION OPTION



EXTERIOR WINDOW WIDTH

XO LAYOUT
OX OPPOSITE

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	U-5003	1	FRAME HEAD	6063-T5	-
2	U-6001	1	FRAME SILL	6063-T6	-
3	U-2003	1	SILL TRACK	6063-T5	-
4	U-6003	1	FRAME JAMB - VENT	6063-T5	-
5	U-5001	1	FRAME JAMB - FIXED	6063-T6	-
6	U-5004	1/VENT	FIXED MTG. RAIL	6063-T6	-
7	U-5007	2/VENT	VENT TOP & BOTT. RAIL	6063-T5	-
8	U-5009	1/VENT	VENT INTERLOCK	6063-T6	-
9	U-5006	1/VENT	VENT JAMB STILE	6063-T5	-
10	U-5008	AS RQD.	GLAZING BEAD 3/8"	6063-T6	-
11	AX-3450	2/ VENT	EXTRUDED HOOK LATCH, 3" LONG	6063-T5	AT 6" & 48" FROM BOTTOM
12	U-5010	1/LATCH	LEAF SPRING	ST. STEEL	-
13	PS-1127 E	AS REQD.	GLAZING WEDGE	VINYL	TREMCO OR EQUIV.
14	U-5504	4/PANEL	ROLLER HOUSING & GUIDE	NYLON	AT EACH END OF VENT
15	U-5505	2/PANEL	ROLLER	BRASS	-
16	U-5506	2/PANEL	ROLLER SHAFT	ST. STEEL	-
17		2/WINDOW	BAFFLE	NYLON	-
18	-	2/BAFFLE	BAFFLE SCREWS	-	#6 x 1/2 SMS
19	-	AS RQD.	ASSY SCREWS	-	#10 x 1" PH SMS
20	-	2/VENT	FIXED RAIL SCREW-SILL	-	#10 x 2-3/4 PH SMS
21	7919-187	AS RQD.	FIN SEAL WEATHERSTIP	-	SCHLEGEL OR EQUIV.
22	-	AS RQD.	SILICONE BEAD	-	DOW CORNING 995 OR SCHNEE MOREHEAD 5555
23	-	AS RQD.	SETTING BLOCKS	-	1/2" X 1/8" X 3/4" LONG
24	-	1/VENT	SCREEN	-	OPTIONAL
25	-	AS RQD.	JAMB STILE BULB WEATHERSTRIP	SOFT VINYL	-
26	-	1/ WEEP	OPEN CELL FOAM PAD	-	1 1/8" X 1 1/8" X 3" LONG
27	U-5507	1	SILL RISER	6063-T5	-

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
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Miami Dade Product Control
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By [Signature]

AUG 20 2004

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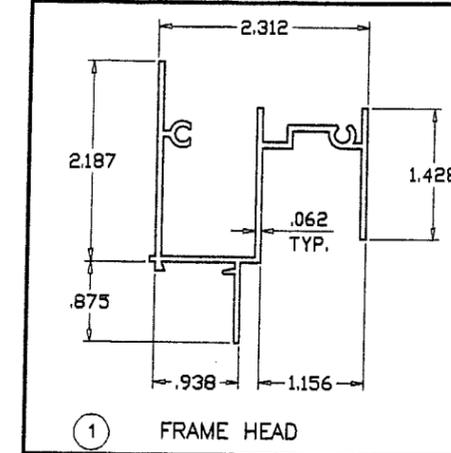
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revisions:

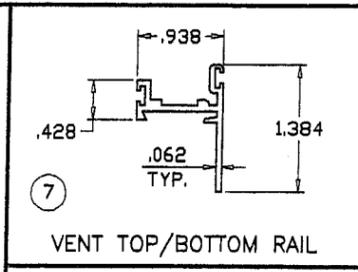
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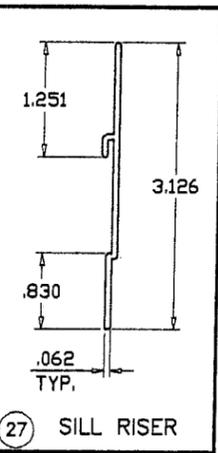
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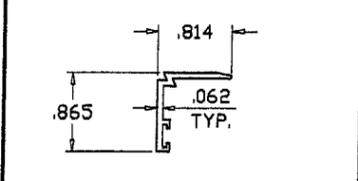
1 FRAME HEAD



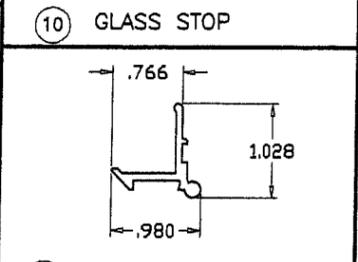
7 VENT TOP/BOTTOM RAIL



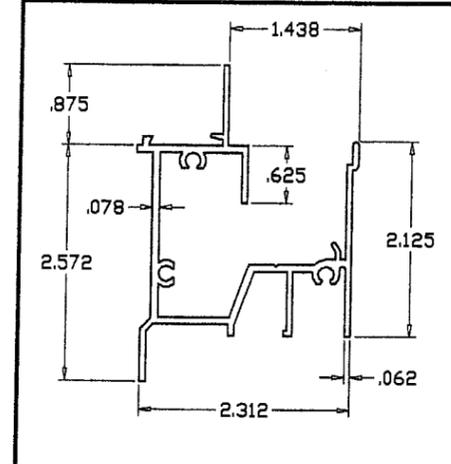
27 SILL RISER



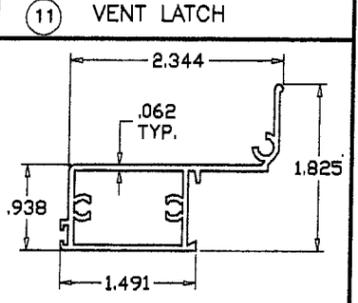
10 GLASS STOP



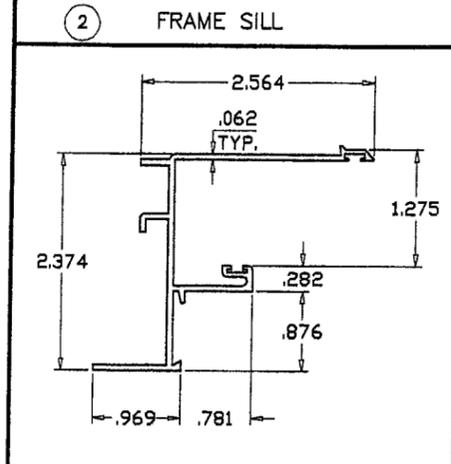
11 VENT LATCH



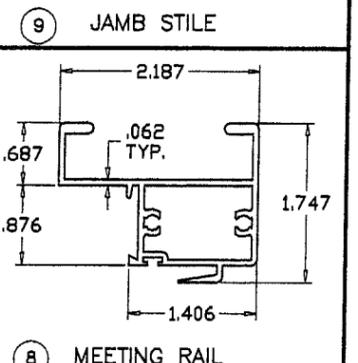
2 FRAME SILL



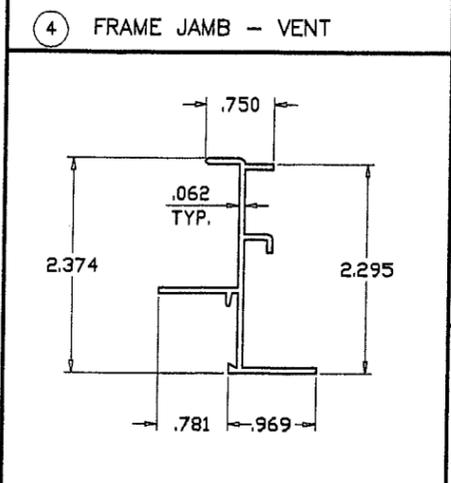
9 JAMB STILE



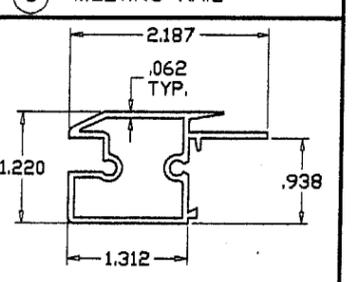
4 FRAME JAMB - VENT



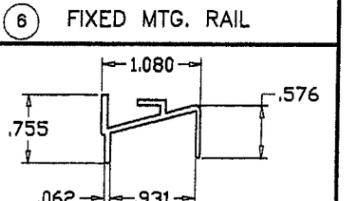
8 MEETING RAIL



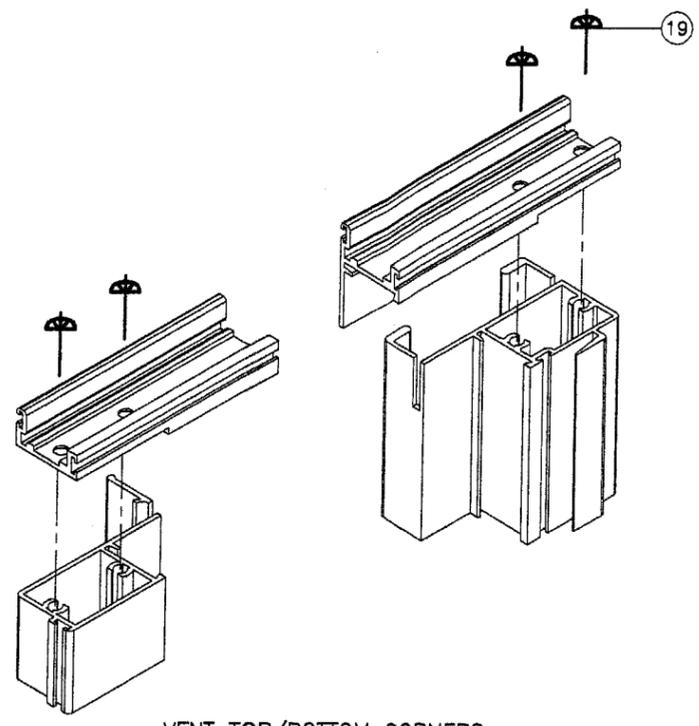
5 FIXED FRAME JAMB



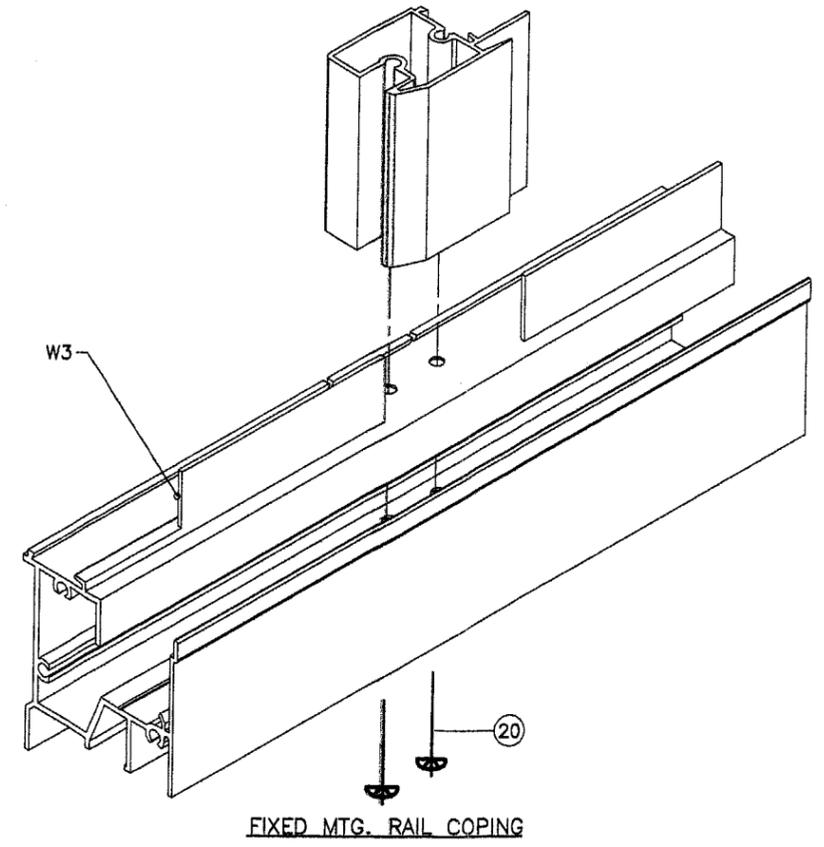
6 FIXED MTG. RAIL



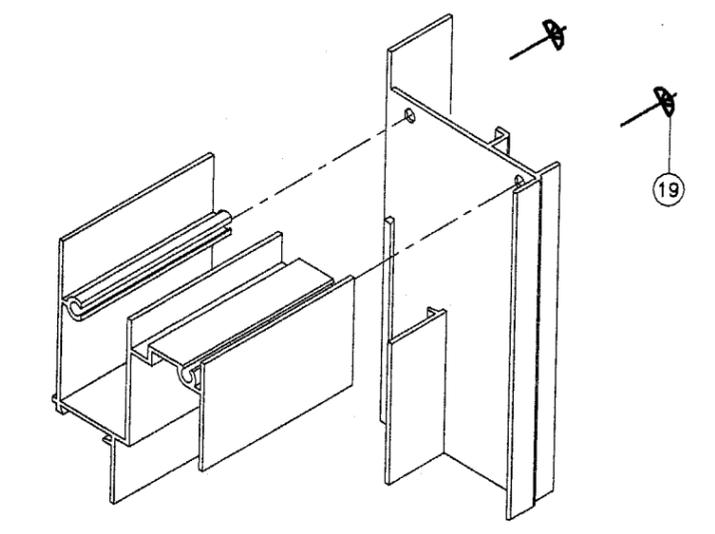
3 SILL TRACK



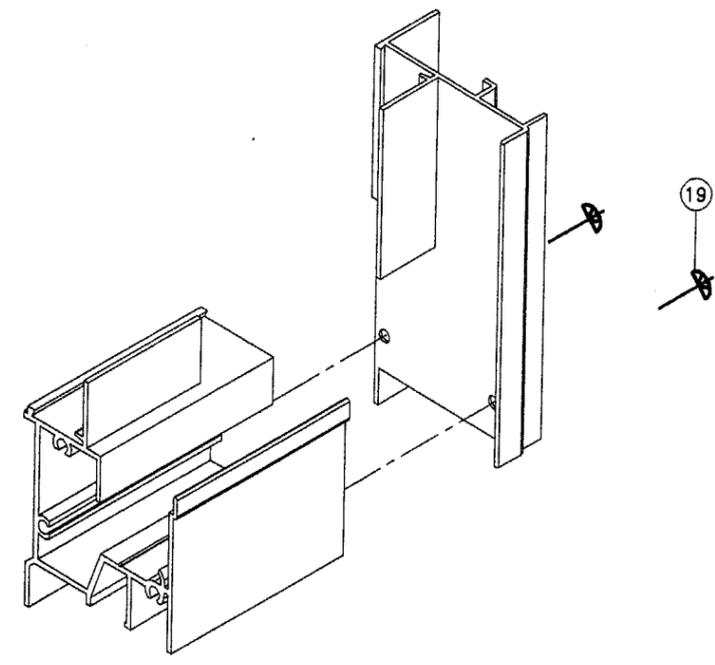
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL COPING



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
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