



**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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**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 Horizontal Sliding Window – S.M.I.

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 B dated 05/21/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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: 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 and renews NOA # 03-0709.03** and 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. 09-1123.03
Expiration Date: November 18, 2014
Approval Date: January 06, 2010
Page 1

Universal Impact Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-42**, titled "S-Rebecca Coastal Horiz. Rolling Window (S.M.I.)", Sheets 1 through 4 of 4, dated 06/16/03 with revision B dated 05/21/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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. *(Submitted under previous NOA#03-0709.03)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 5/21/09, signed and sealed by Arshad Viqar, P.E. **Complies with ASTM E1300-02/04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

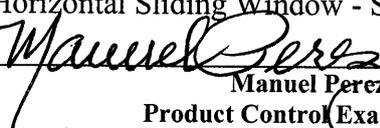
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex IIIIG Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance, dated May 21, 2009, signed and sealed by Arshad Viqar, P.E.
2. Statement letter of no financial interest, dated May 21, 2009, signed and sealed by Arshad Viqar, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-3760**, issued by Fenestration Testing Laboratory, Inc., dated 03/28/03, signed and sealed by Joseph C. Chan, P.E.

G. OTHERS

1. Notice of Acceptance No. **03-0709.03**, issued to Universal Aluminum Windows & Doors, Inc. for their Series "Rebecca" Aluminum Horizontal Sliding Window - SMI, approved on 11/18/04 and expiring on 11/18/09.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-1123.03

Expiration Date: November 18, 2014

Approval Date: January 06, 2010

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)				
WINDOW DIMS.		A	3/8" - LAM. GLASS	
WIDTH	HEIGHT		EXT.(+)	INT.(-)
26-1/2"	26"	3	100.0	150.0
37"		4	100.0	150.0
53-1/8"		6	100.0	150.0
74"		6	100.0	150.0
26-1/2"	38-3/8"	3	100.0	150.0
37"		4	100.0	150.0
53-1/8"		6	100.0	150.0
74"		6	100.0	150.0
26-1/2"	50-5/8"	3	100.0	150.0
37"		4	100.0	150.0
53-1/8"		6	100.0	149.7
74"		6	100.0	128.0
74"	50-5/8"	7	100.0	150.0
26-1/2"	56"	3	100.0	150.0
37"		4	100.0	150.0
53-1/8"		6	100.0	128.5
74"		6	100.0	107.0
74"	56"	7	100.0	130.5
26-1/2"	63"	3	100.0	150.0
37"		4	100.0	143.0
53-1/8"		6	100.0	108.5
74"		6	88.1	88.1
74"	63"	7	100.0	110.0

A = NO. OF ANCHORS AT HEAD OR SILL

ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE FOR WINDOWS WITH APPLIED RISER AT FRAME SILL FOR STD. SILL (NO RISER) LIMIT EXTERIOR(+) LOADS TO 46.7 PSF SEE DETAIL ON SHEET 2.

THIS SYSTEM IS 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.

**SERIES REBECCA COASTAL
ALUMINUM HORIZONTAL SLIDING WINDOW**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING 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.

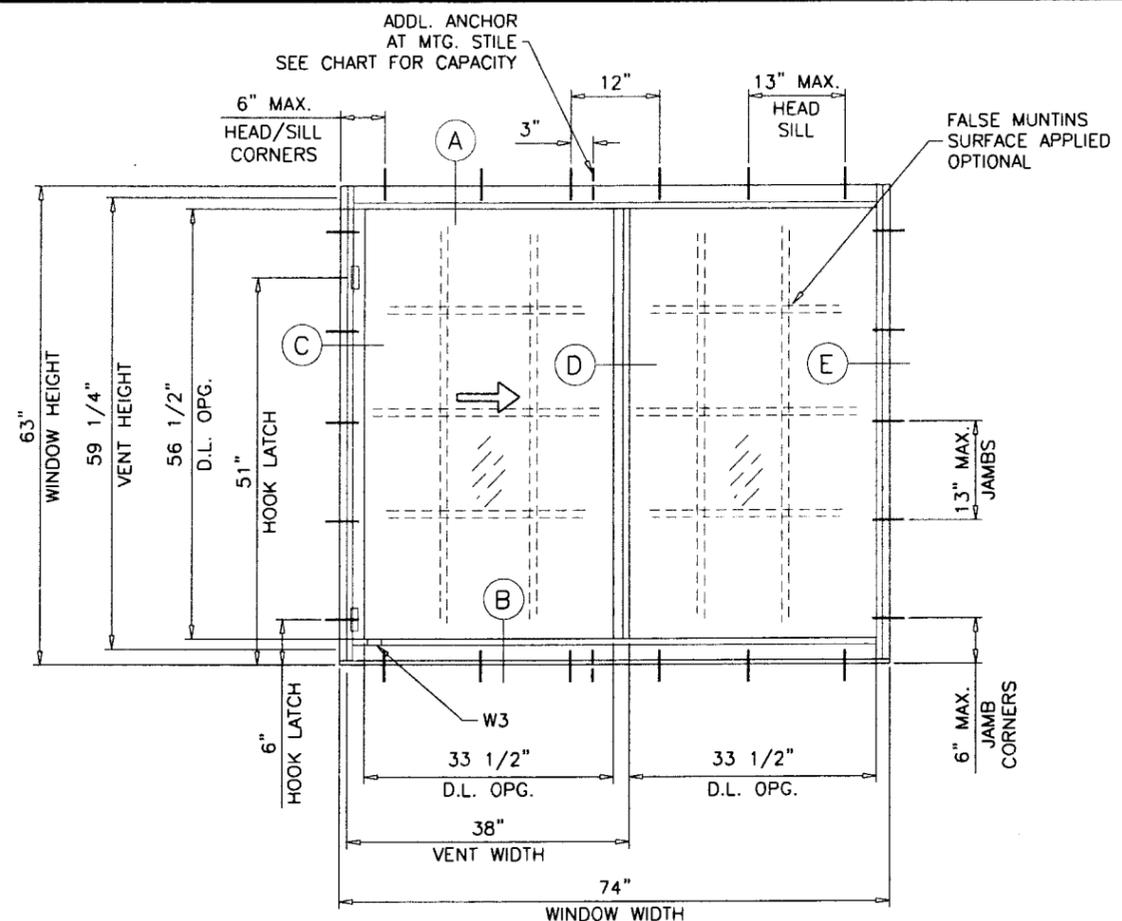
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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

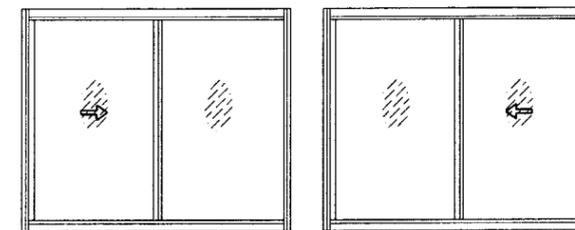
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)				
WINDOW DIMS.		A	3/8" - LAM. GLASS	
WIDTH	HEIGHT		EXT.(+)	INT.(-)
24"	24"	3	100.0	150.0
36"		4	100.0	150.0
48"		4	100.0	150.0
60"		6	100.0	150.0
72"		6	100.0	150.0
24"		36"	3	100.0
36"	4		100.0	150.0
48"	4		100.0	150.0
60"	6		100.0	150.0
72"	6		100.0	150.0
24"	48"		3	100.0
36"		4	100.0	150.0
48"		4	100.0	150.0
60"		6	100.0	150.0
72"		6	100.0	142.6
24"		56"	3	100.0
36"	4		100.0	150.0
48"	4		100.0	137.6
60"	6		100.0	119.2
72"	6		100.0	108.3
48"	56"		5	100.0
60"		7	100.0	147.2
72"		7	100.0	132.4
24"		60"	3	100.0
36"	4		100.0	150.0
48"	4		100.0	124.9
60"	6		100.0	107.3
72"	6		96.6	96.6
48"	60"		5	100.0
60"		7	100.0	134.2
72"		7	100.0	119.8
24"		63"	3	100.0
36"	4		100.0	146.2
48"	4		100.0	116.8
60"	6		99.9	99.9
72"	6		89.4	89.4
48"	63"		5	100.0
60"		7	100.0	125.8
72"		7	100.0	111.8

A = NO. OF ANCHORS AT HEAD OR SILL



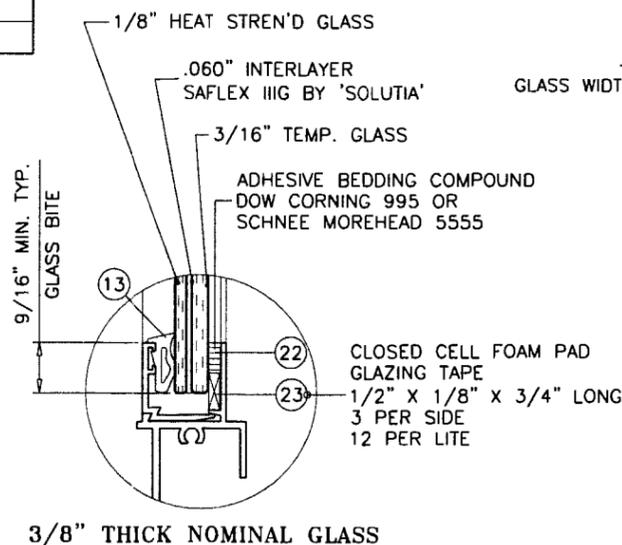
TYPICAL ELEVATION
TESTED UNIT



XO OX

APPROVED CONFIGURATIONS

GLASS WIDTHS TO BE EQUAL ON MOVING AND FIXED LITES



3/8" THICK NOMINAL GLASS

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

Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538
Arqar
DEC 17 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-1123.03
Expiration Date NOV. 18, 2014
Manuel
Miami-Dade Product Control
Division

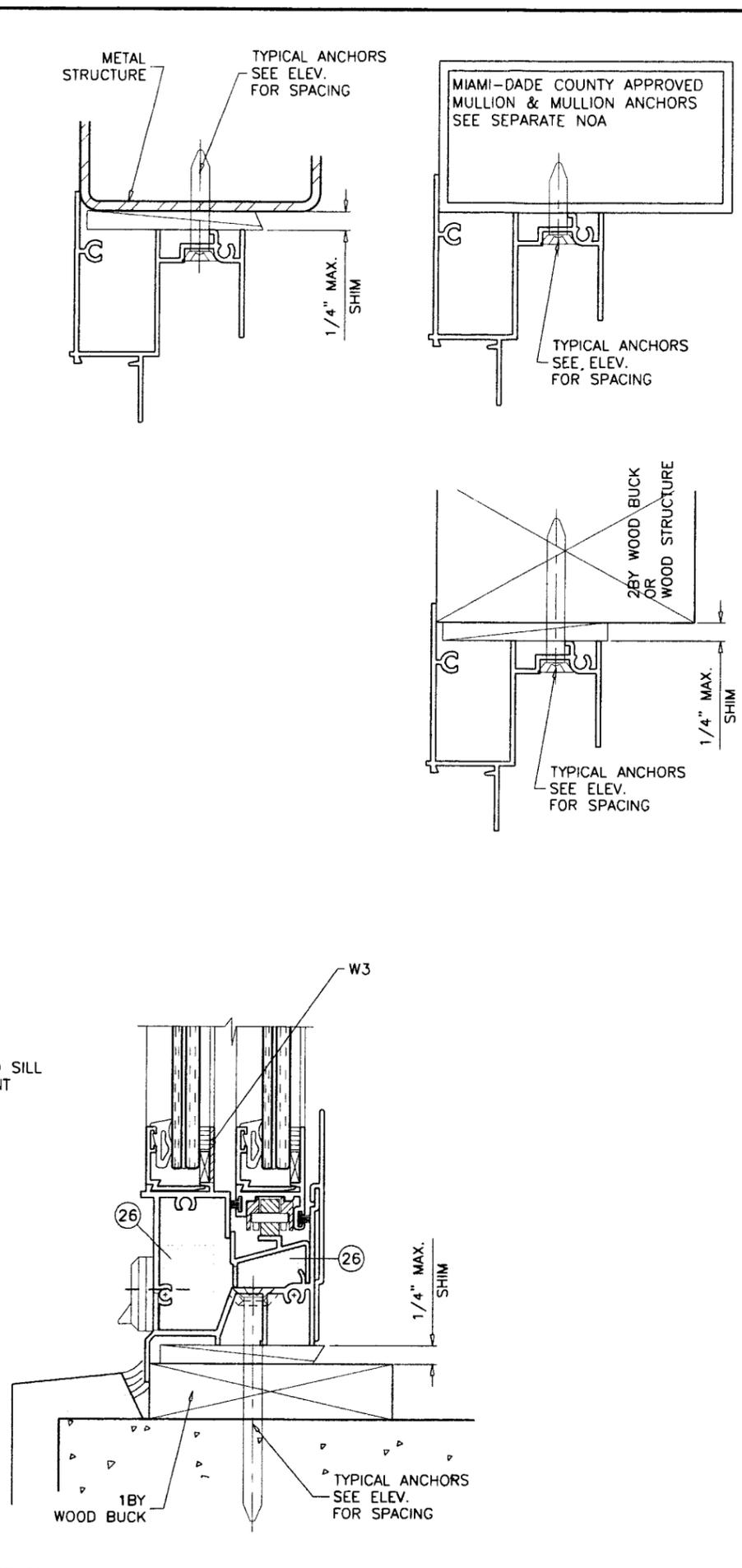
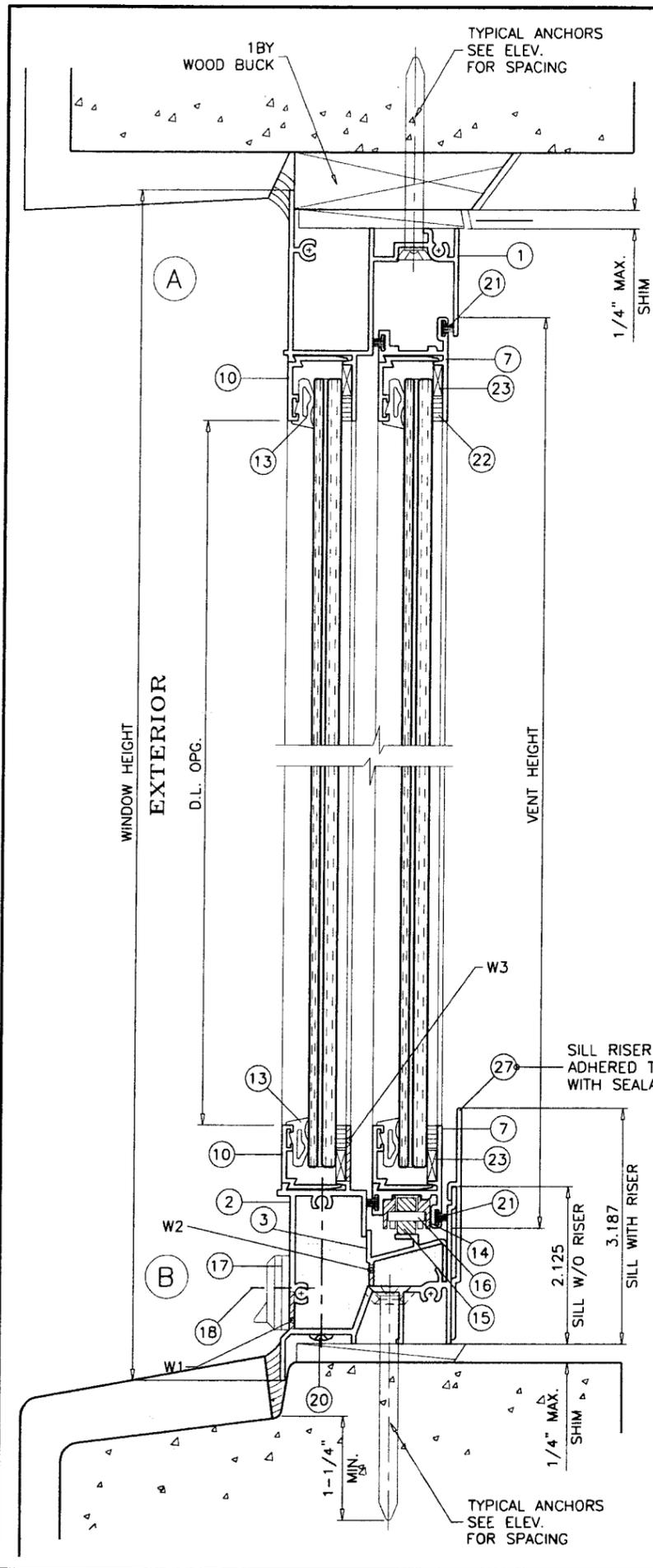
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-42JW

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

revisions:	no	date	description
	A	07.01.04	REV. PER BECC COMMENTS
	B	05.21.09	UPDATED FOR 2007 FBC

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

drawing no.
W03-42
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" 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 : 1/8" THK. 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
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
 (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.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

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: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38663
 C.A.N. 3538

Arshad Viqar

DEC 17 2009

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 09-1123.03
 Expiration Date NOV. 18, 2014

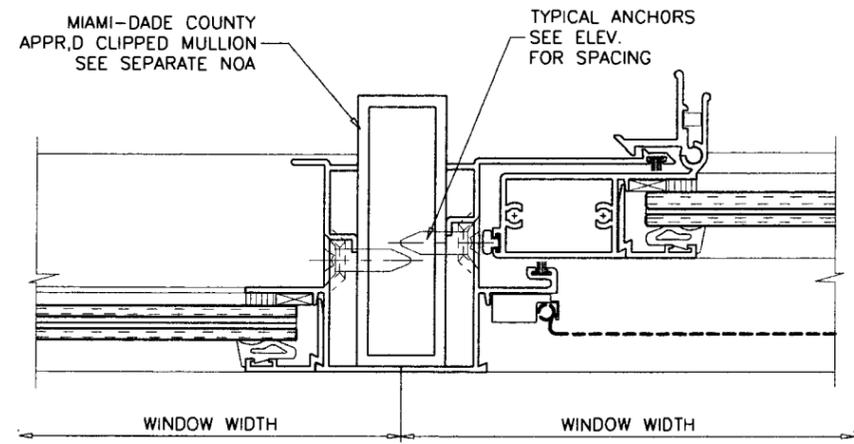
Marcel Jara
 Miami Dade Product Control
 Division

af c
AL-FAROOQ CORPORATION
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 TEL. (305) 264-8100 FAX. (305) 262-6978
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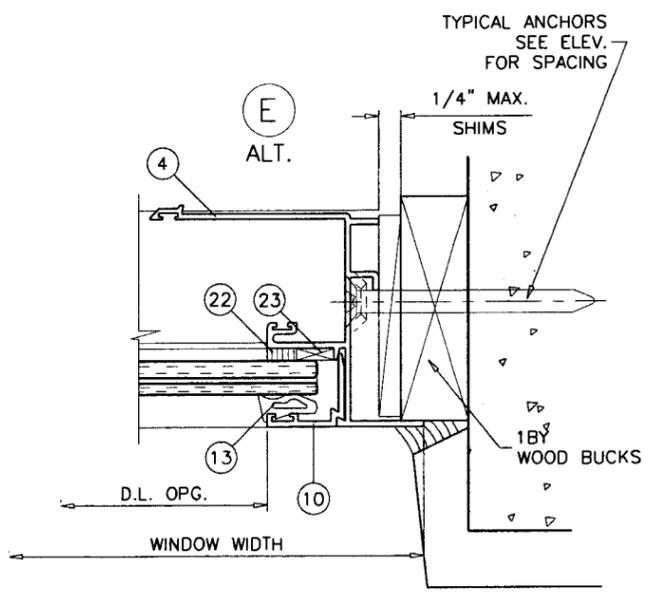
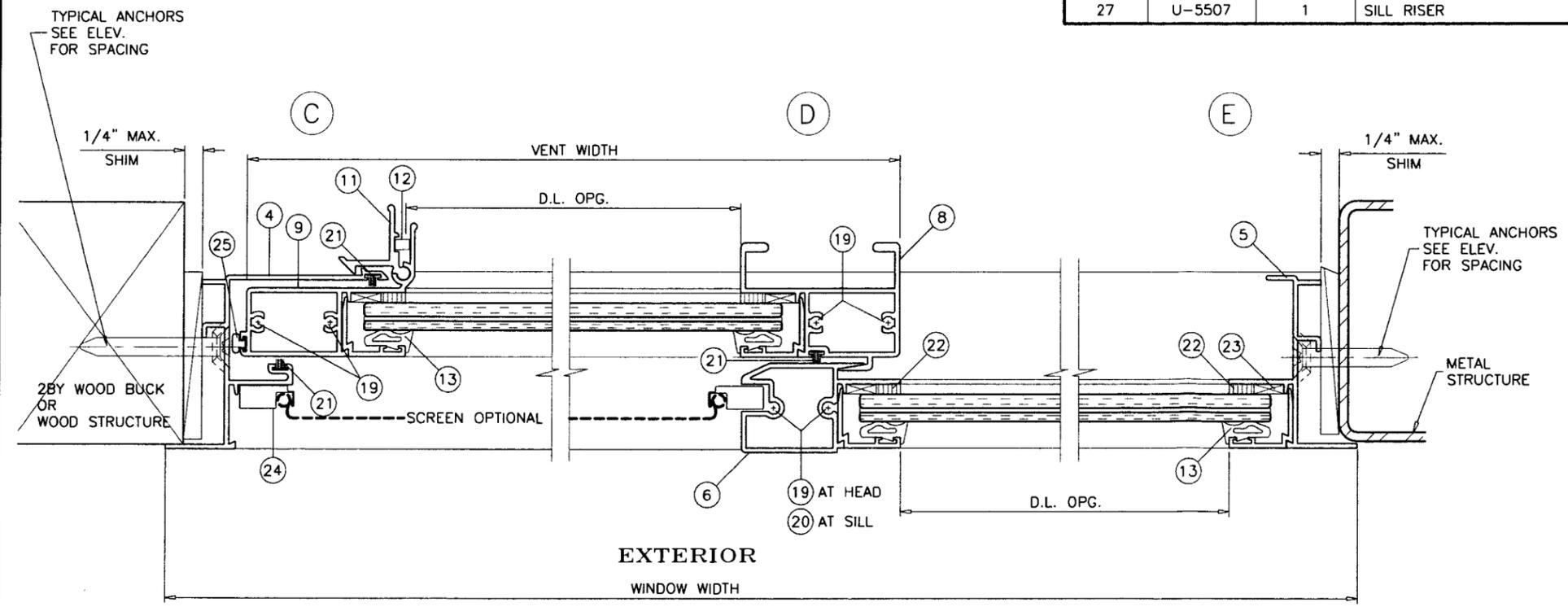
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revisions:	no	date	description
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	B	05.21.09	UPDATED FOR 2007 FEC

date: 06-16-03	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W03-42			
sheet 2 of 4			



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	U-5003	1	FRAME HEAD	6063-T6	-
2	U-6001	1	FRAME SILL	6063-T6	-
3	U-2003	1	SILL TRACK	6063-T6	-
4	U-6003	1	FRAME JAMB - VENT	6063-T6	-
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-T6	-
8	U-5009	1/VENT	VENT INTERLOCK	6063-T6	-
9	U-5006	1/VENT	VENT JAMB STILE	6063-T6	-
10	U-5008	AS RQD.	GLAZING BEAD 3/8"	6063-T6	-
11	AX-3450	2/ VENT	EXTRUDED HOOK LATCH, 3" LONG	6063-T6	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-T6	-



EXTERIOR
WINDOW WIDTH
XO LAYOUT
OX OPPOSITE

Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538
Arjan
DEC 17 2009

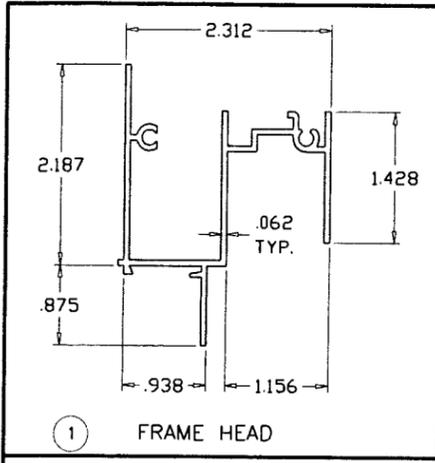
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W. Lawrence
Miami Dade Product Control
Division

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
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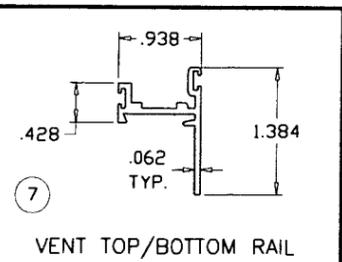
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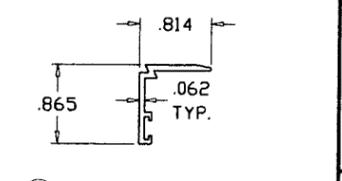
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sheet 3 of 4



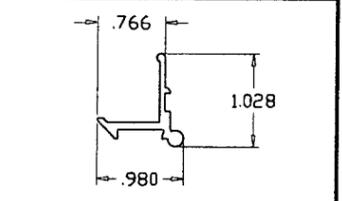
1 FRAME HEAD



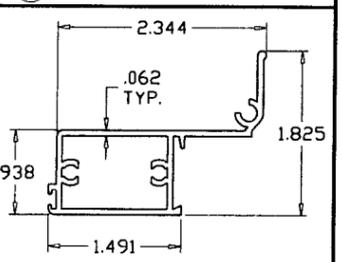
7 VENT TOP/BOTTOM RAIL



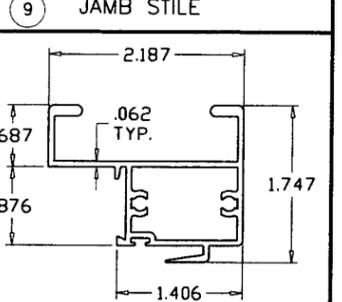
10 GLASS STOP



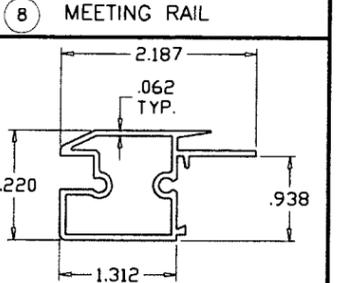
11 VENT LATCH



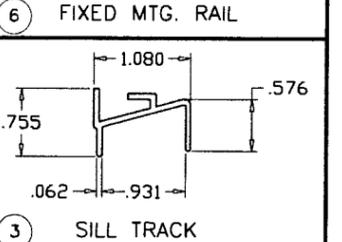
9 JAMB STILE



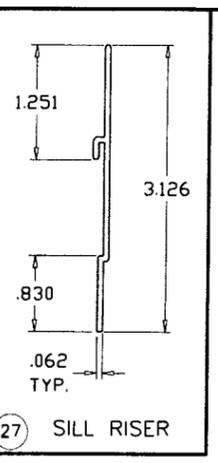
8 MEETING RAIL



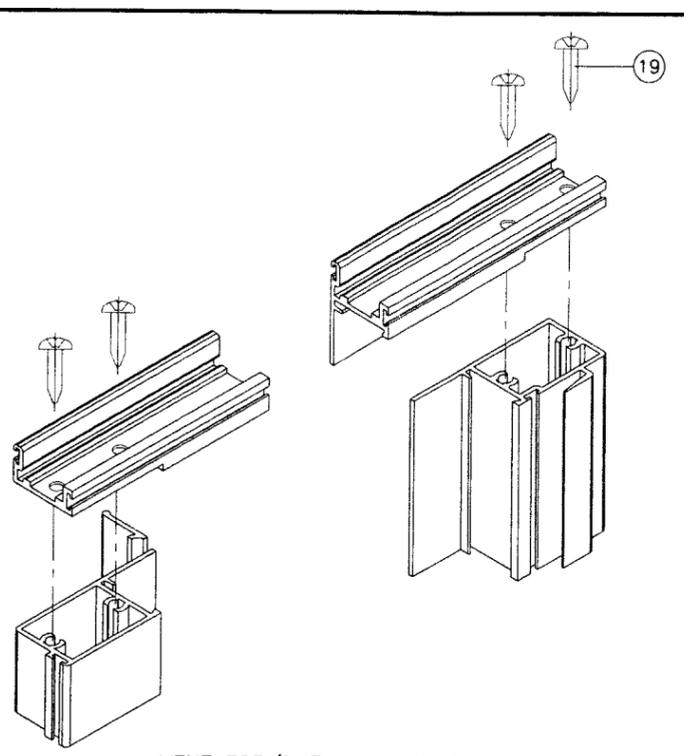
6 FIXED MTG. RAIL



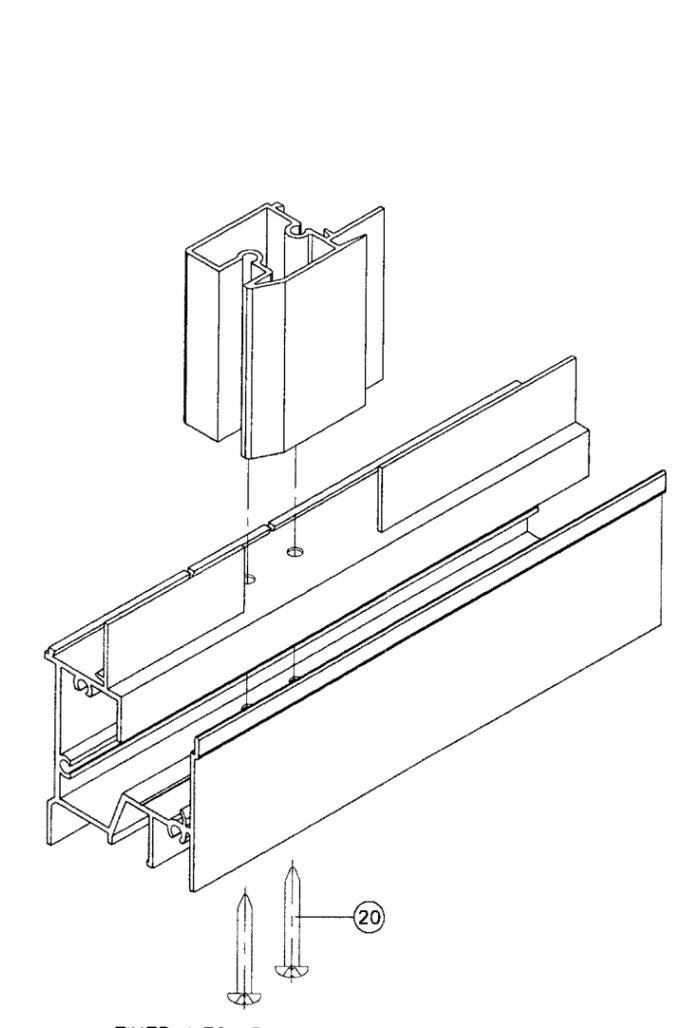
3 SILL TRACK



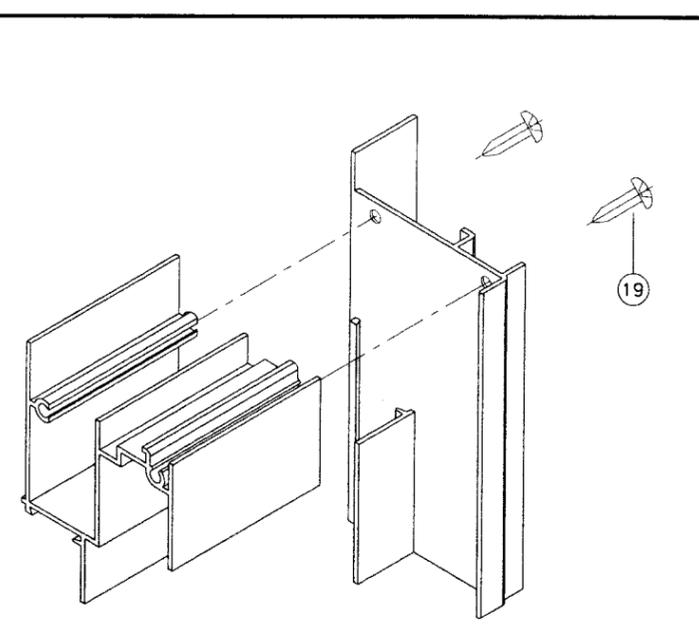
27 SILL RISER



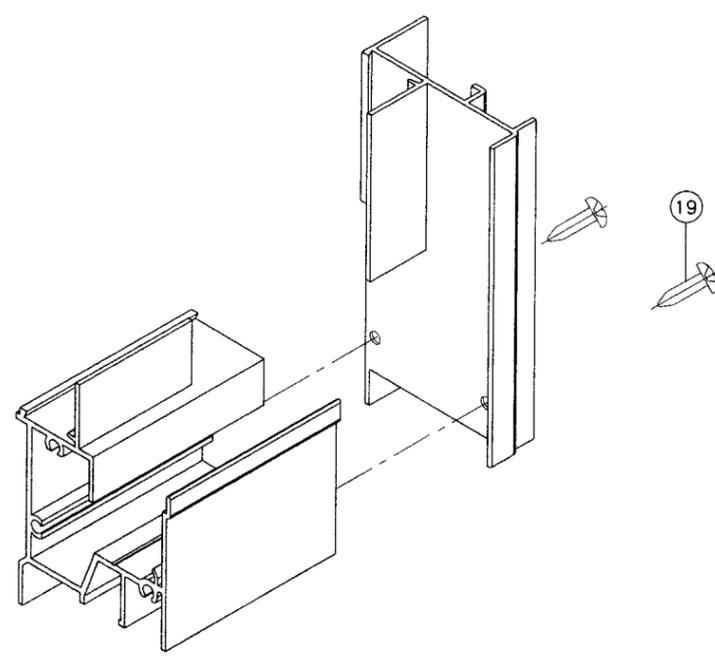
VENT TOP/BOTTOM CORNERS



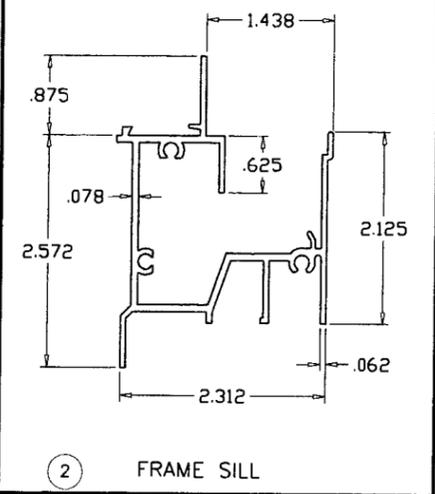
FIXED MTG. RAIL COPING



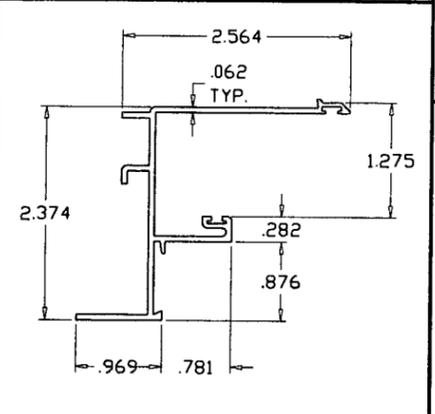
FRAME TOP CORNER



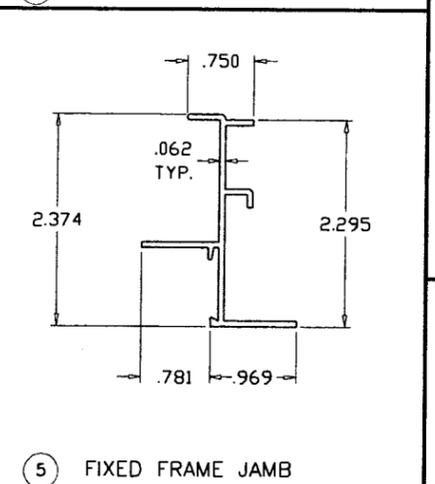
FRAME BOTTOM CORNER



2 FRAME SILL



4 FRAME JAMB - VENT



5 FIXED FRAME JAMB

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538
Arjun
 DEC 17 2009

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-1123-03
 Expiration Date NOV. 18, 2014
Maureen
 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 \ W03-42UW

S-REBECCA COASTAL HORIZ. ROLLING 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	07.01.04	REV. PER BCCO COMMENTS
B	05.21.09	UPDATED FOR 2007 FBC

revisions:
 date: 06-16-03
 scale: 1/2" = 1"
 dr. by: HAMID
 ch. by:
 drawing no. **W03-42**
 sheet 4 of 4