



**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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Rebecca Series Aluminum Horizontal Sliding Glass Window-Impact

APPROVAL DOCUMENT: Drawing No. W99-63, titled "S-Rebecca Coastal Horiz. Rolling Window", sheets 1 through 4 of 4, prepared by Al Farooq Corporation, dated 9/1/99 and only sheet 1 revised on 05-06-03, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large 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 & renews NOA # 99-1116.04 and, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

**NOA No 03-0401.01
Expiration Date: May12, 2008
Approval Date: June 12, 2003
Page 1**

5/22/03



Universal Aluminum Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W99-63**, titled "S-Rebecca Coastal Horiz. Rolling Window", sheets 1 through 4 of 4, prepared by Al Farooq Corporation, dated 9/1/99 and only sheet 1 revised on 05-06-03, signed and sealed by Dr. Humayoun Farooq, P.E.

Note: sheet 1 revised for design pressure compliance to ASTM E-1300-98.

B. TESTS (Submitted under NOA#99-1116.04), Test conducted per PA201, 202, & 203-94, now classified as TAS201, 202, 203-94.

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 an aluminum sliding glass window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL -2308 (99028)** dated 07-15-99, witnessed by late Gilbert Diamond, P.E., reviewed & signed and sealed by Jose D. Mitrani, P.E. Test report was reviewed & revised by addendum letter dated 09-08-99, signed and sealed by Jose D. Mitrani, P.E. Test report further was reviewed & revised by addendum letter dated 04-18-00, signed and sealed by Aldo P. Gonzales, P.E.

C. CALCULATIONS

1. Comparative analysis & glazing analysis prepared by Al-Farooq Corporation, dated March 25, 2003, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Comparative analysis and structural analysis, prepared by Al-Farooq Corporation, dated 08-30-99 and revised on 03-22-00, signed and sealed by Dr. Humayoun Farooq, P.E. (*Submitted under NOA#99-1116.04*)

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc., for "Glasslam Safety-Plus Laminated Glass", expiring on 09/09/2003
2. Notice of Acceptance No. **97-0527.04** issued to Nebula Glass International Inc., for "Glasslam Safety-Plus Laminated Glass", expiring on 09/09/00 (*Per NOA#99-1116.04*)

E. STATEMENTS (Submitted under NOA#99-1116.04)

1. Statement letter of conformance and no financial interest, dated 10-25-99, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of compliance dated 07-22-99 issued by Fenestration testing laboratory, signed and sealed by Jose D. Mitrani, P.E.
3. Addendum letter to test report FTL2308 dated 09-01-1999, issued by Fenestration testing laboratory, signed and sealed by Jose D. Mitrani, P.E.
4. Addendum letter to test report FTL2308 dated 04-18-2000, issued by Fenestration testing laboratory, signed and sealed by Jose D. Mitrani, P.E.
5. Notarized statement letter by laminator dated 04-12-00, issued by UGLI, signed by N. Sandova.

F. OTHER:

1. Notice of Acceptance No. **99-1116.04**, expiring on 5/12/03
2. Proposal by Al-Farooq Corp, approved by BCCO dated 06-08-01.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 03-0401.01

Expiration Date: May 12, 2008

Approval Date: June 12, 2003

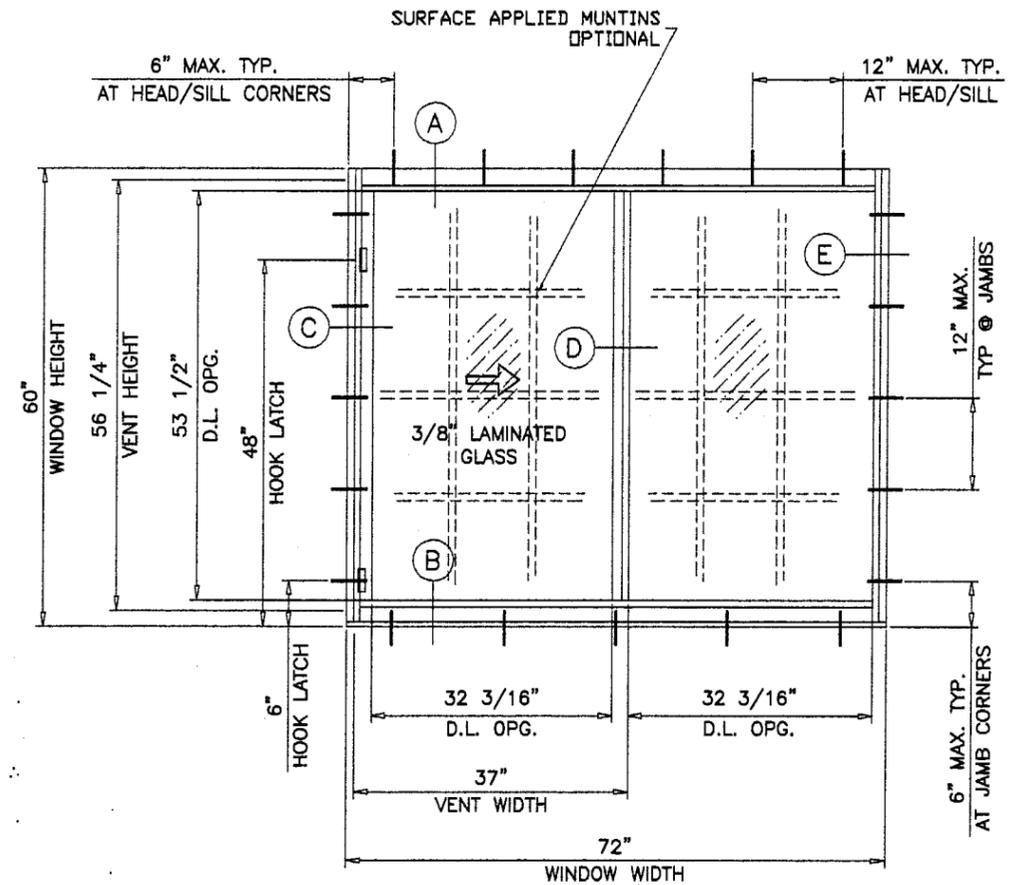
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)										
WINDOW DIMS.		A	3/8" - LAM. ANNEALED GLASS				3/8" - LAM. HEAT STREN'D GLASS			
			3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS	
WIDTH	HEIGHT		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26"	3	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
37"		4	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
53-1/8"		5	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
74"		7	100.0	109.0	100.0	109.0	100.0	150.0	100.0	150.0
26-1/2"	38-3/8"	3	100.0	130.2	100.0	150.0	100.0	130.2	100.0	150.0
37"		4	100.0	124.3	100.0	150.0	100.0	124.3	100.0	150.0
53-1/8"		5	94.5	94.5	100.0	103.6	100.0	108.2	100.0	150.0
74"		7	69.2	69.2	69.2	69.2	100.0	108.8	100.0	132.0
26-1/2"	50-5/8"	3	98.7	98.7	100.0	150.0	98.7	98.7	100.0	150.0
37"		4	94.2	94.2	100.0	150.0	94.2	94.2	100.0	150.0
53-1/8"		5	70.1	70.1	70.1	70.1	82.0	82.0	100.0	141.0
74"		7	51.7	51.7	51.7	51.7	82.4	82.4	100.0	103.3
26-1/2"	63"	3	79.3	79.3	100.0	142.8	79.3	79.3	100.0	142.8
37"		4	75.7	75.7	100.0	136.4	75.7	75.7	100.0	136.4
53-1/8"		5	61.8	61.8	61.8	61.8	65.9	65.9	100.0	108.2
74"		7	40.9	40.9	40.9	40.9	66.2	66.2	81.9	81.9
24"	24"	3	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
36"		3	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
48"		4	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
60"		5	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
72"		6	100.0	133.0	100.0	133.0	100.0	150.0	100.0	150.0
24"	36"	3	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0
36"		3	100.0	102.1	100.0	150.0	100.0	102.1	100.0	150.0
48"		4	100.0	102.1	100.0	118.0	100.0	102.1	100.0	150.0
60"		5	88.6	88.6	88.6	88.6	100.0	102.1	100.0	150.0
72"		6	72.3	72.3	72.3	72.3	100.0	102.1	100.0	145.0
24"	48"	3	100.0	114.9	100.0	150.0	100.0	114.9	100.0	150.0
36"		3	76.6	76.6	100.0	110.0	76.6	76.6	100.0	138.0
48"		4	76.6	76.6	96.5	96.5	76.6	76.6	100.0	123.0
60"		5	68.0	68.0	68.0	68.0	76.6	76.6	100.0	136.0
72"		6	55.9	55.9	55.9	55.9	76.6	76.6	100.0	111.7
24"	60"	3	91.9	91.9	100.0	150.0	91.9	91.9	100.0	150.0
36"		3	61.3	61.3	100.0	110.4	61.3	61.3	100.0	110.4
48"		4	61.3	61.3	80.3	80.3	61.3	61.3	100.0	110.4
60"		5	54.0	54.0	54.0	54.0	61.3	61.3	100.0	108.0
72"		6	44.0	44.0	44.0	44.0	61.3	61.3	88.0	88.0

A = NO. OF ANCHORS PER HEAD & SILL

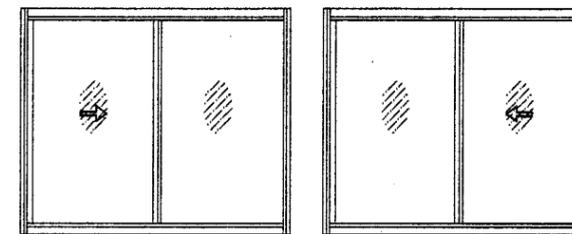
LARGE MISSILE IMPACT RESISTANT WINDOWS
SHUTTERS NOT REQUIRED

NOTES:

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.
- 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.



TYPICAL ELEVATION
TESTED UNIT



XO OX

APPROVED CONFIGURATIONS
GLASS WIDTHS TO BE EQUAL ON MOVING AND FIXED LITES

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

MAY 12 2003

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0401.01
Expiration Date MAY 12, 2008
By Ishay I. Lhanya
Miami Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W99-63JW

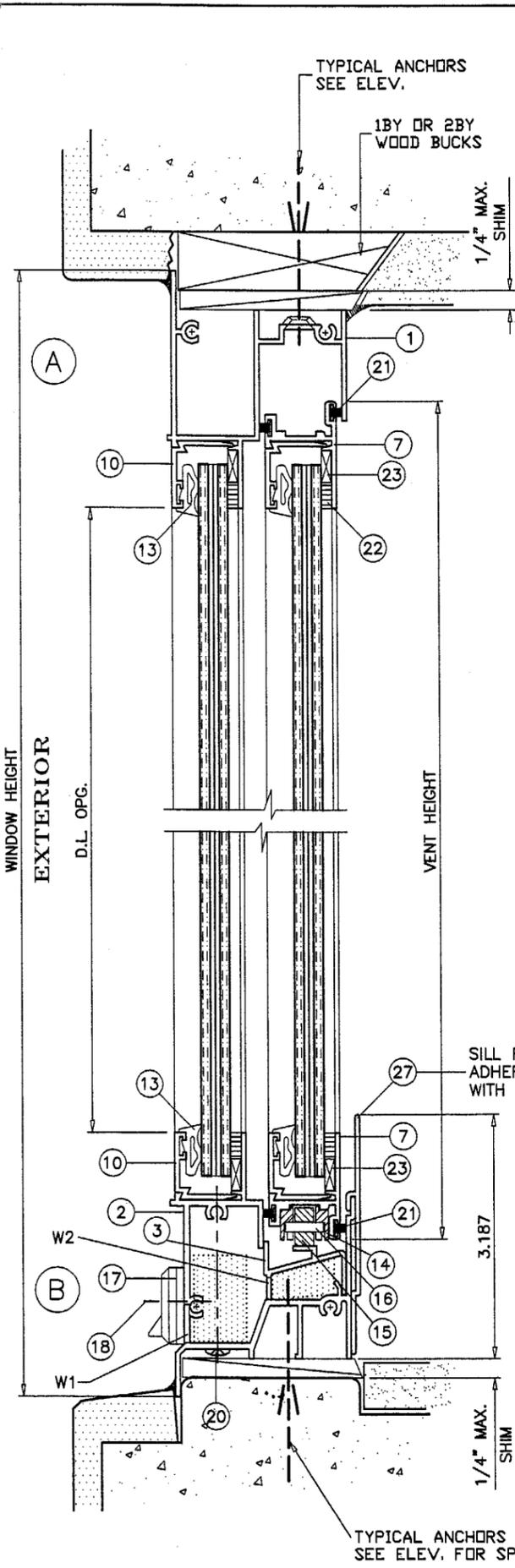
S-REBECCA COASTAL HORIZ. ROLLING WINDOW
UNIVERSAL ALUMINUM WINDOWS
1675 W. 31st. PLACE
HIALEAH, FL 33012
TEL.(305) 825-7900 FAX.(305) 825-5805

no.	date	description
A	03.22.00	GENERAL REVISION
B	03.24.03	CHART REV. PER ASTM E-1300 HEAT STREN'D GLASS ADDED
C	05.06.03	REV. PER BCCO COMMENTS

revisions:

date: 09-01-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-63
sheet 1 of 4



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
3/16" TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD

3/16" TAPCONS OR 1/4" TAPCONS
 THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.

1/4" TAPCONS
 INTO WOOD SUBSTRATE
 1-3/4" MIN. PENETRATION INTO WOOD

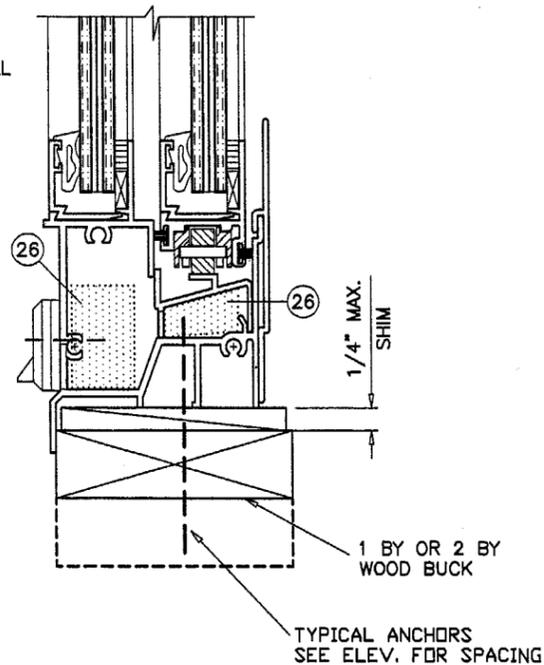
SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

WEEPHOLES:

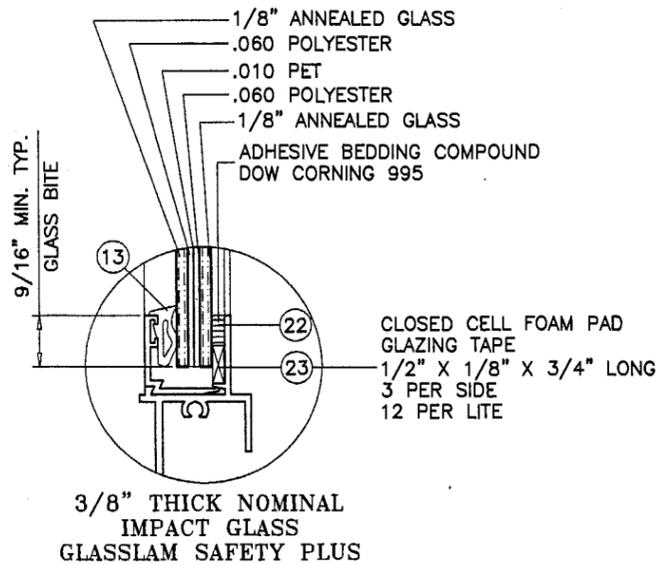
W1 = (1 7/8" X 1/2" WEEPHOLES) AT 4" FROM EACH END WITH PLASTIC FLAP VALVE AND FOAM PADS

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



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	-	-
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	-



PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 03-0401.01
 Expiration Date MAY 12, 2008
 By: Ishraq I. Chanda
 Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE May 12, 2000
 BY Ishraq I. Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1116.04

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 18557
 APR 18 2000

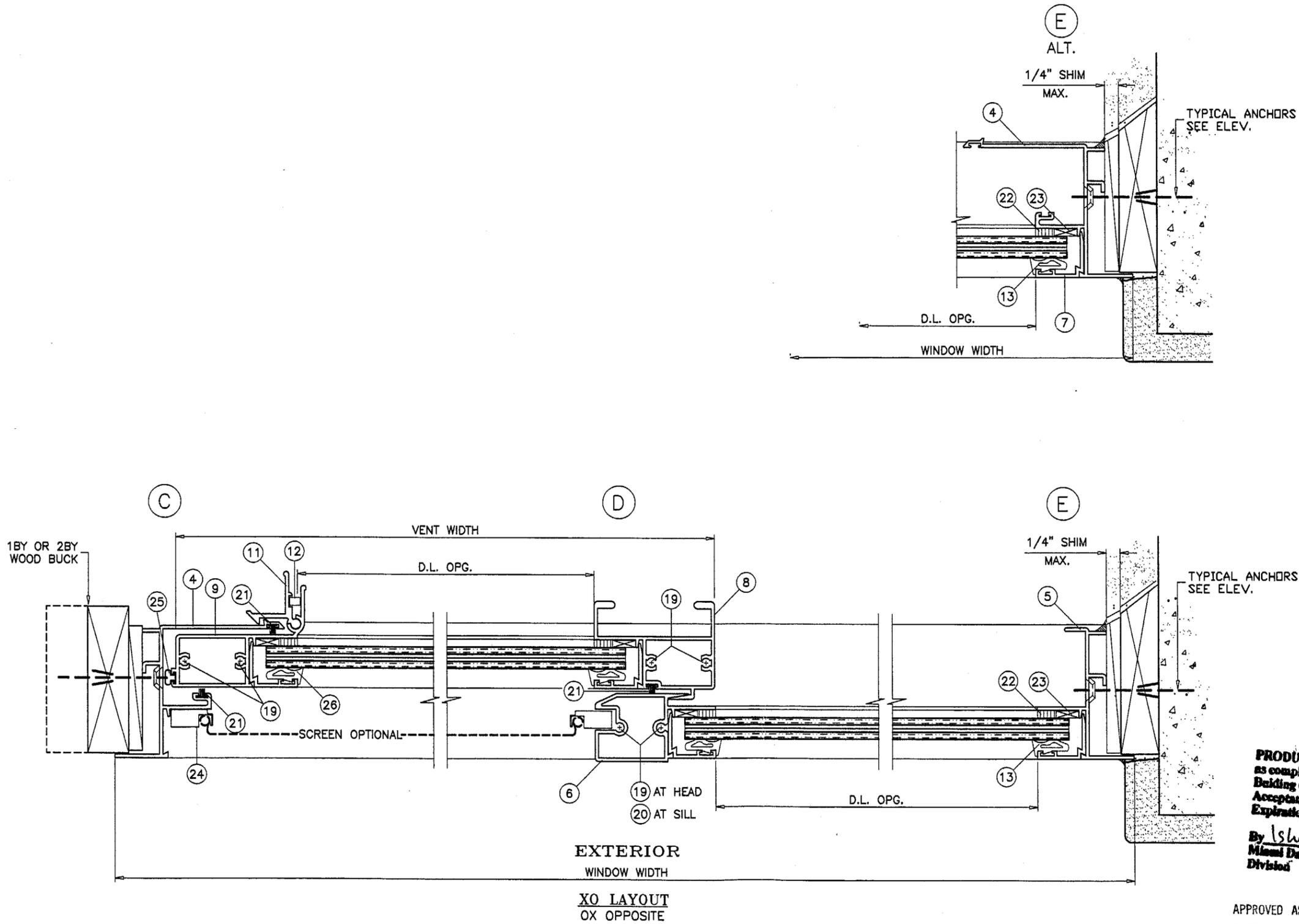
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W99-63UW

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

revisions:	no	date	by	description

date: 09-01-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-63
 sheet 2 of 4



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0401.01
 Expiration Date MAY 12, 2008
 By Ishaq I. Chanda
 Miami Dade Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE May 12, 2000
 BY Ishaq I. Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1116.04

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 APR 18 2000

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W99-63UW

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

no	date	by	description

date: 09-01-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-63
 sheet 3 of 4

