



**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)

**R.C. Aluminum
2805 NW 75th Avenue
Miami, FL 33122**

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 "300Y" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-113**, titled "Series 300Y Alum Single Hung Window (L.M.I.)", sheets 1 through 4 of 4, prepared by AL- Farooq Corporation, dated 12/12/03 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: Large and Small Missile Impact

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 **Theodore Berman, P.E.**

Handwritten signature
3/5/2004


**NOA No 04-0105.02
Expiration Date: March 25, 2009
Approval Date: March 25, 2004
Page 1**

R.C. Aluminum

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **W03-113**, titled "Series 300Y Alum Single Hung Window (L.M.I.)", sheets 1 through 4 of 4, prepared by AL- Farooq Corporation, dated 12/12/03 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) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3187**, dated 2/08/02, signed and sealed by Joseph C. Chan, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3759**, dated 03/13/03, signed and sealed by Joseph C. Chan, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by AL- Farooq Corporation, dated 12/23/03, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

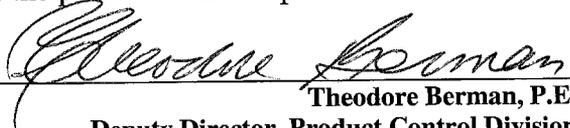
1. Notice of Acceptance No. 01-1204.01 issued to "E.I. DuPont DeNemours" for "Sentry Glass R Plus" dated 01/17/02, expiring on 1/14/07.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 16, 2003, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter no financial interest, dated 12/16/03, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).


Theodore Berman, P.E.

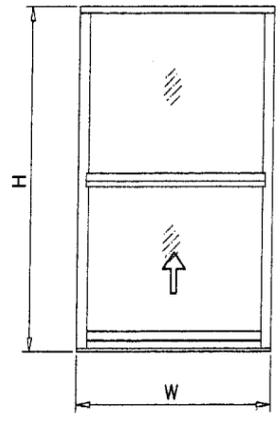
Deputy Director, Product Control Division

NOA No 04-0105.02

Expiration Date: March 25, 2009

Approval Date: March 25, 2004

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		9/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
36"	60" (6)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		90.0	90.0
56"		84.6	84.6
36"	66" (6)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		89.1	89.1
56"		79.0	79.0
36"	72" (7)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		84.3	84.3
56"		74.5	74.5
36"	78" (7)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		80.6	80.6
56"		71.1	71.1
36"	84" (8)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		77.7	77.7
36"	90" (8)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51-1/2"		90.0	90.0
54"		90.0	90.0
36"	96" (9)	90.0	90.0
42"		90.0	90.0
48"		90.0	90.0



SERIES 300Y ALUM SINGLE HUNG WINDOW (L.M.I.)

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

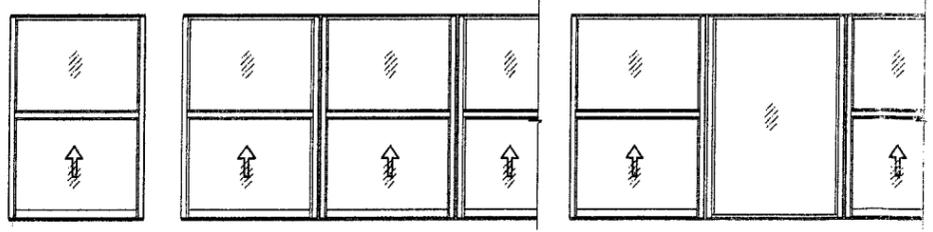
THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.

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

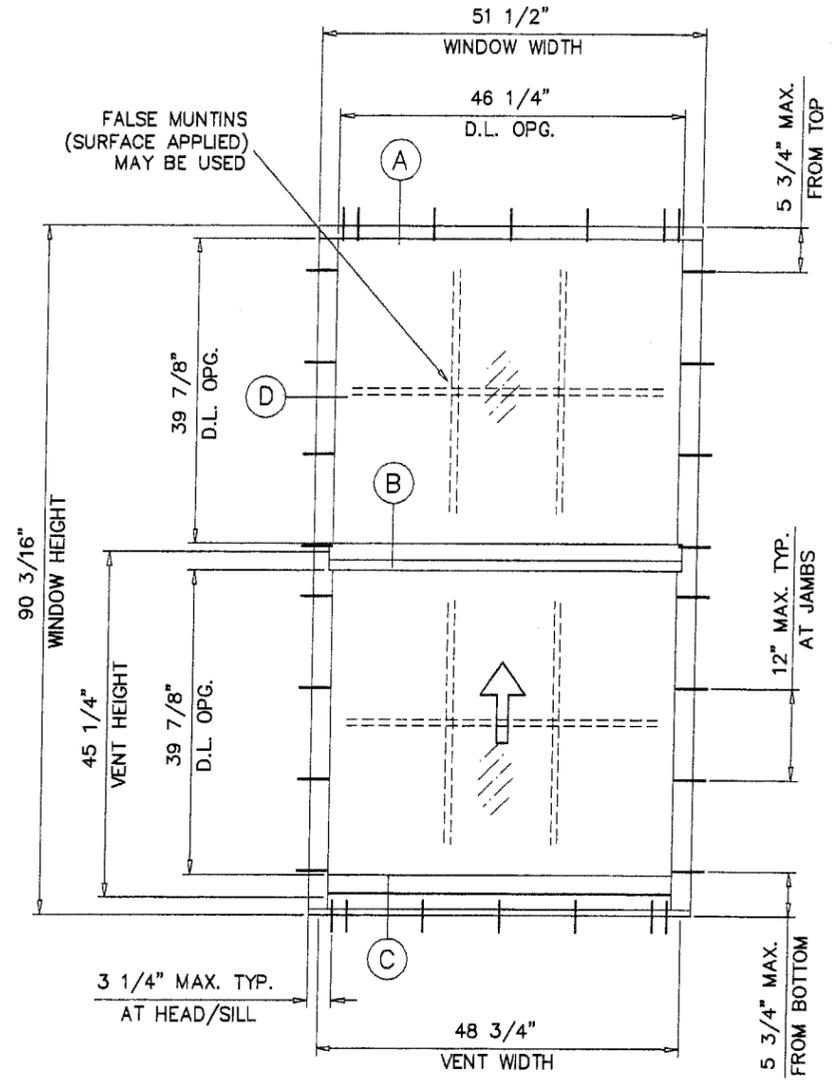
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

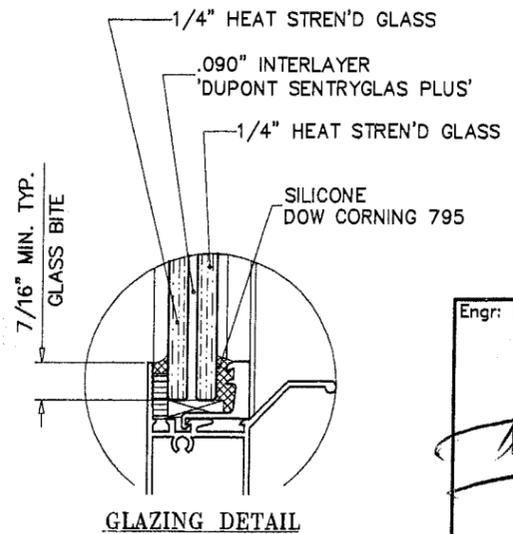


APPROVED CONFIGURATIONS

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 MIAMI-DADE COUNTY APPROVED MULLIONS.



TYPICAL ELEVATION
TESTED UNIT



GLAZING DETAIL

Approved as complying with the Florida Building Code
 Date 03/23/04
 NOA# 04-0105.02
 Miami Dade Product Control
 Division
 By *[Signature]*

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 353E
 DEC 23 2003

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W03-113RC

R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

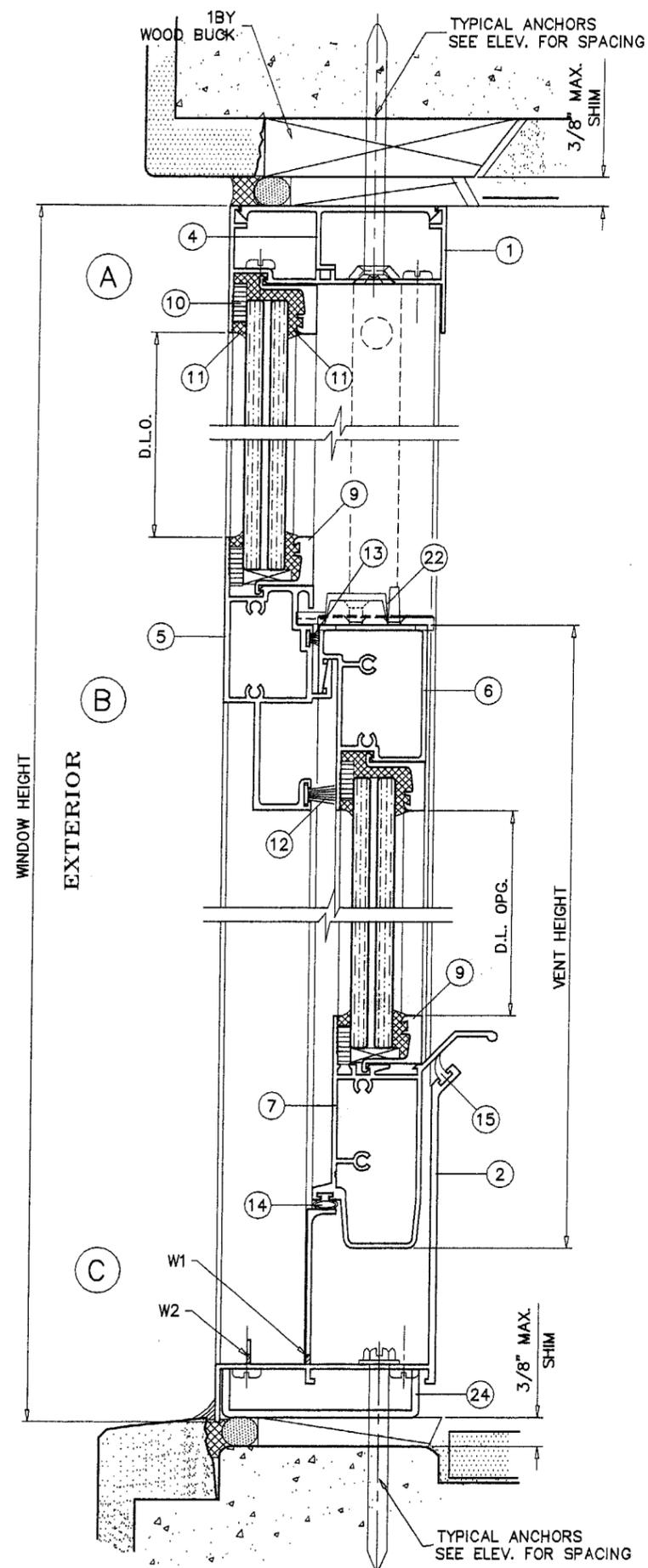
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 chk. by:

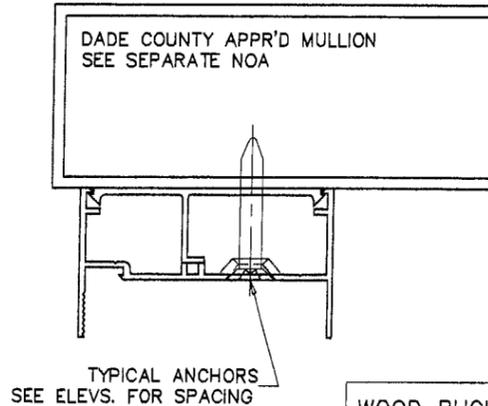
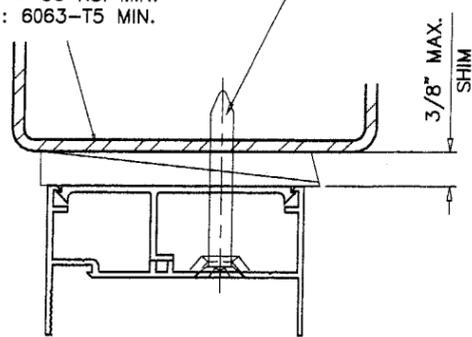
drawing no.
W03-113

sheet 1 of 4

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



METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- A- 1/4" DIA. HILTI KWIK-CON II
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.
- B- 1/4" DIA. HILTI KWIK-CON II
DIRECTLY INTO MASONRY OR CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE
- C- 1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
(1/4" MAX. SHIM SPACE)

#14 SMS OR SELF DRILLING SCREWS

INTO DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

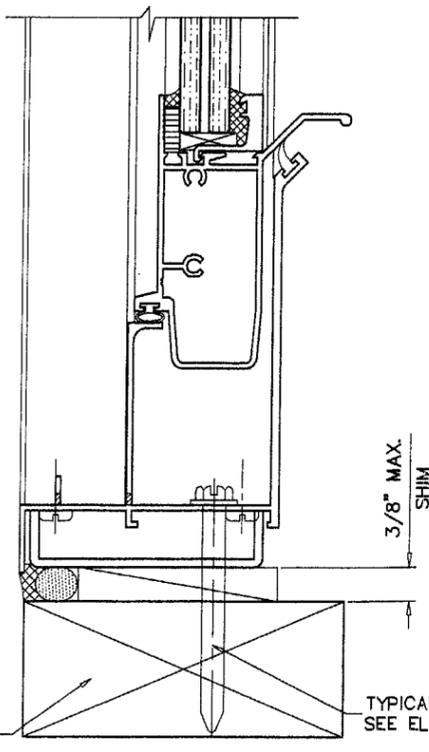
INTO CONCRETE AND MASONRY = 1-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE COLORED SILICONE.

WEEPHOLES:

W1 = 1" X 1/8" WEEP HOLES AT 2" FROM EACH END
W2 = 3/4" X 1/8" WEEP NOTCH AT 2-1/4" FROM EACH END



Approved as complying with the
Florida Building Code
Date 03/25/04
NOA# 04-0105.02
Miami Dade Product Control
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 353E

DEC 23 2003

afc

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SERIES 300Y ALUM SINGLE HUNG WINDOW (L.M.I.)

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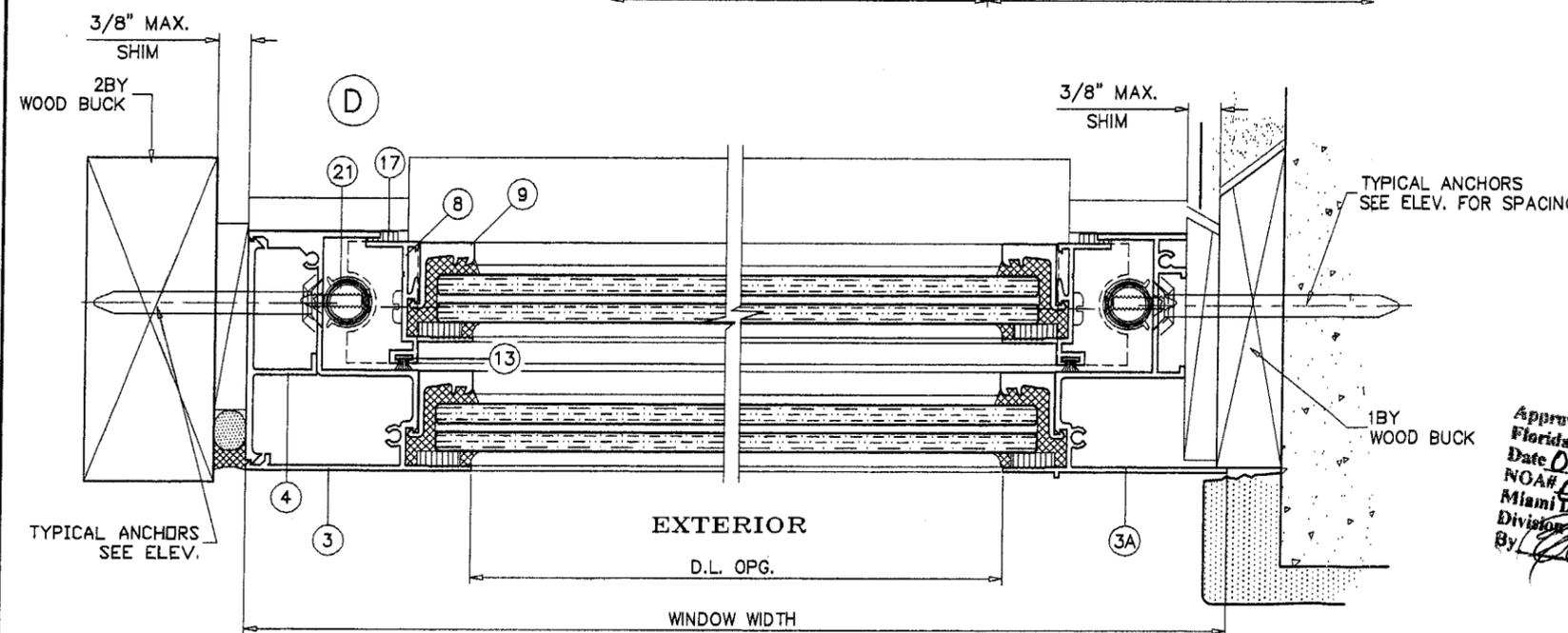
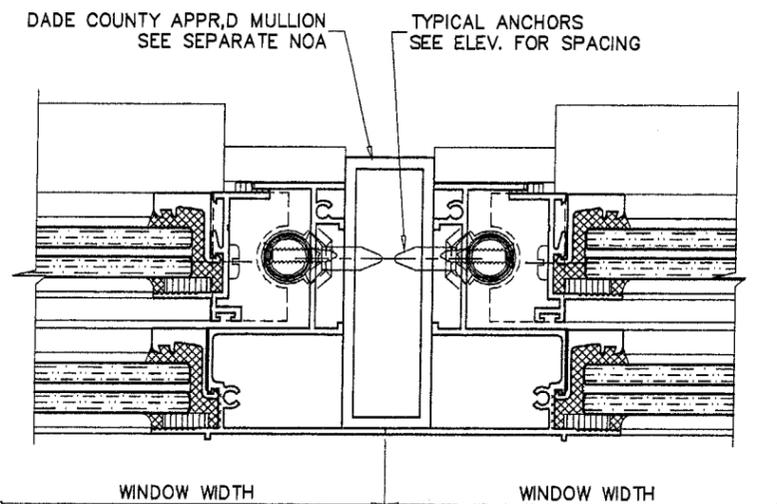
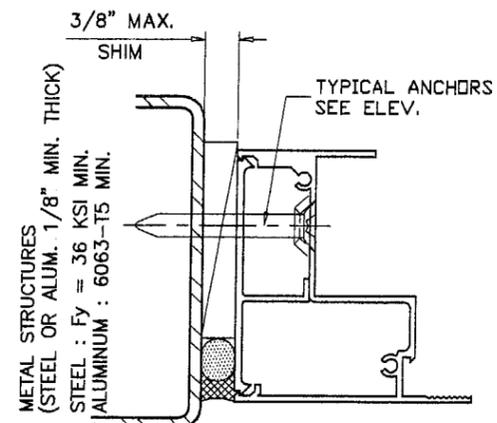
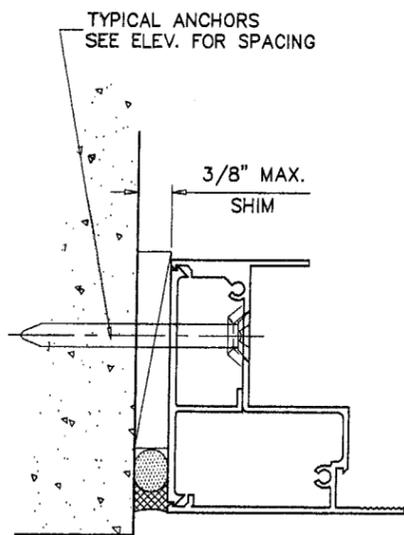
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date: 12-12-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-113

sheet 2 of 4

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	300Y-075C	1	FRAME HEAD	6063-T5	ALUMAX OR EQUIV.
2	300Y-079C	1	FRAME SILL	6063-T6	ALUMAX OR EQUIV.
3	300Y-073C	2	FRAME JAMB	6063-T6	ALUMAX OR EQUIV.
3A	300Y-078C	2	ALT. FRAME JAMB (FLANGED)	6063-T5	ALUMAX OR EQUIV.
4	300Y-074C	1	HEAD/JAMB COVER	6063-T5	ALUMAX OR EQUIV.
5	300Y-068C	1	FIXED MEETING RAIL	6063-T6	ALUMAX OR EQUIV.
6	300Y-067C	1	VENT TOP RAIL	6063-T5	ALUMAX OR EQUIV.
7	300Y-070C	1	VENT BOTTOM RAIL	6063-T5	ALUMAX OR EQUIV.
8	300Y-069C	2	VENT SIDE RAIL	6063-T5	ALUMAX OR EQUIV.
9	300Y-082C	AS REQD.	GLAZING BEAD	6063-T5	ALUMAX OR EQUIV.
10	-	AS REQD.	1/2" X 3/16" GLAZING TAPE	-	DOUBLE FACE 'ARLON'
11	795	-	GLAZING COMPOUND	SILICONE	DOW CORNING
12	3740	1	ULTRAFIN PILE	-	AT FIXED MTG. RAIL
13	1820	1	ULTRA NON-FIN PILE	-	AT FIXED MTG. RAIL
14	WC 3189	1	BULB WEATHERSTRIPPING	VINYL	AT VENT BOTT. RAIL
15	622-07	1	FLAP WEATHERSTRIPPING	VINYL	AT SILL
16	P-001	2	VENT TOP GUIDE	PLASTIC	-
17	P-002	4	VENT SPACER	PLASTIC	-
18	#6 X 3/8"	1/ JAMB	VENT SPACER ATTACH. SCREWS	-	PH. PH. SMS. ST/ST.
19	#10 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	PH. PH. SMS. ST/ST.
20	#8 X 1-1/4"	AS REQD.	VENT ASSEMBLY SCREWS	-	PH. PH. SMS. ST/ST.
21	-	2	5/8" SPIRAL BALANCE	STEEL	-
22	-	1	VENT LOCK	ZAMAK	AT FIXED MTG. RAIL
23	# 8 X 1/2"	2	VENT LOCK ATTACH. SCREWS	-	PH. PH. SMS. ST/ST.
24	-	1	5/8" 2-5/8"X.090" THK. CHANNEL	ALUMINUM	-



Approved as complying with the
Florida Building Code
Date 02/25/04
NOA# 04-0105.02
Miami Dade Product Control
Division
By *[Signature]*

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
DEC 23 2003

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-113RC

SERIES 300Y ALUM SINGLE HUNG WINDOW (L.M.I.)

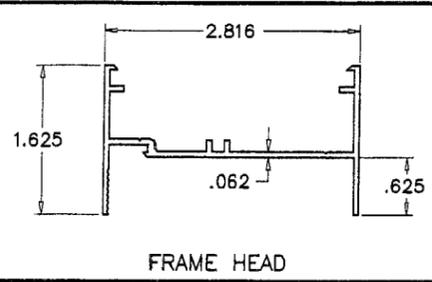
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revisions:	no	date	by	description

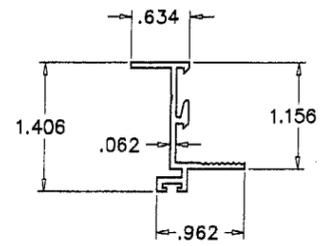
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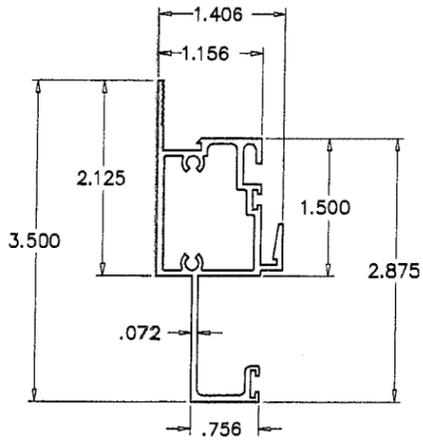
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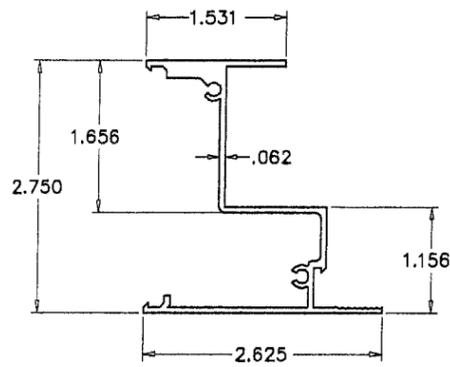
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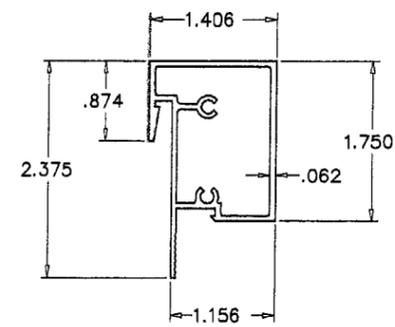
VENT SIDE RAIL



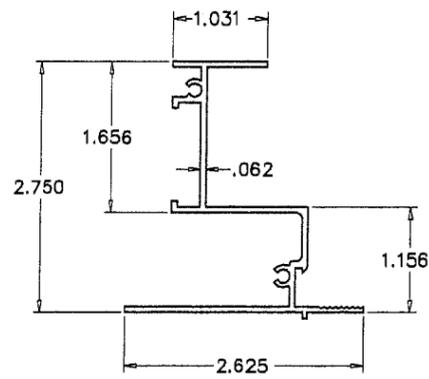
MEETING RAIL



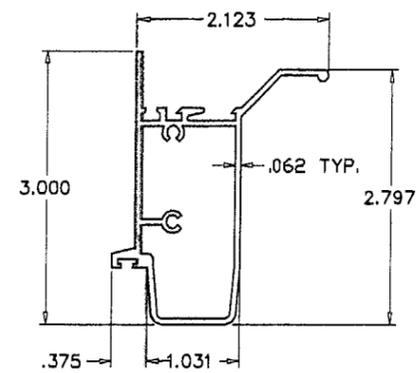
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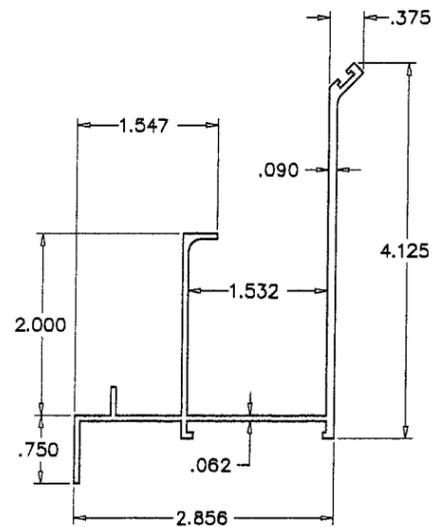
VENT TOP RAIL



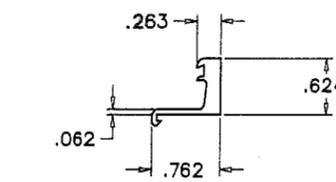
ALT. FRAME JAMB



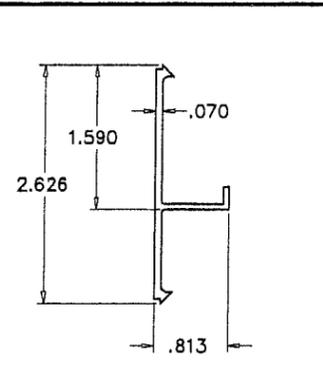
VENT BOTTOM RAIL



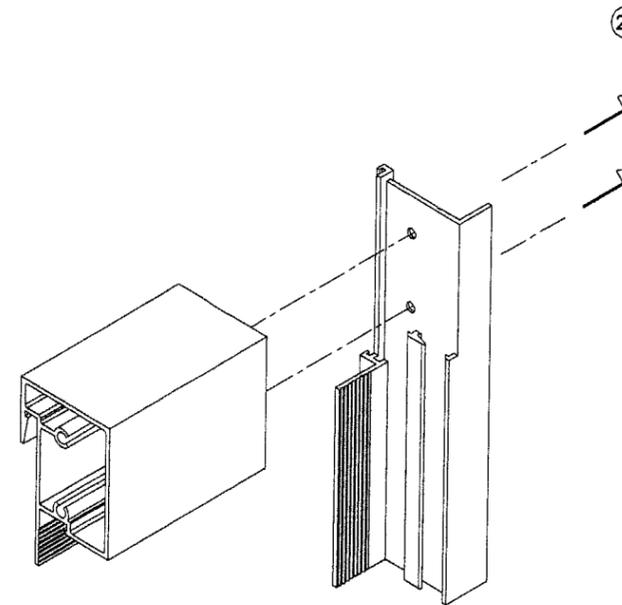
FRAME SILL



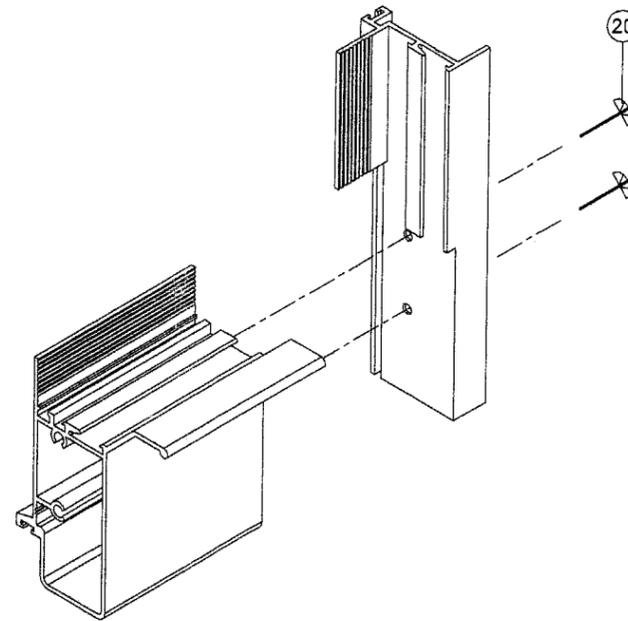
GLAZING BEAD



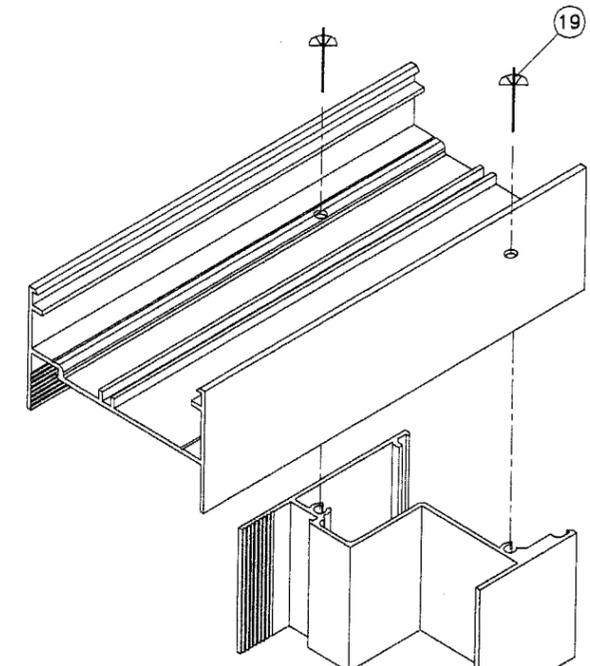
HEAD/JAMB COVER



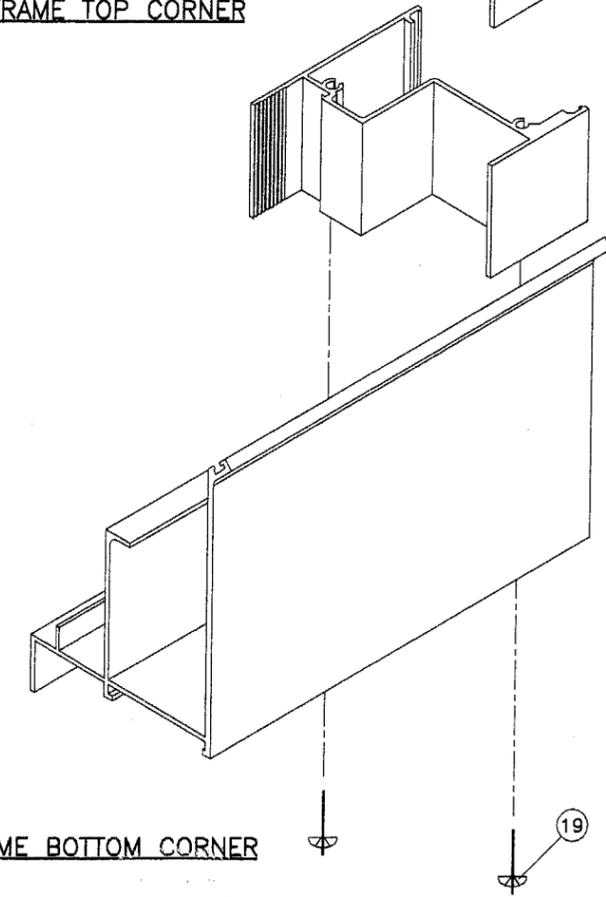
VENT TOP CORNER



VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Approved as complying with the
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 Date 03/25/04
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 Miami Dade Product Control
 Division
 By: *[Signature]*

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 STRUCTURES
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DEC 23 2003

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no	date	by	description

date: 12-12-03
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W03-113**
 sheet 4 of 4