



**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)

**Florida Window System, Corp.
7191 NW 77 Terrace
Medley, FL 33166**

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 FWS -200 Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. W04-20, titled "Series FWS-200 Alum Single Hung Window (L.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporation, dated 03/11/04, 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 pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E.**

Handwritten signature and date: 7/2/04



**NOA No 04-0528.03
Expiration Date: July 29, 2009
Approval Date: July 29, 2004
Page 1**

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-20**, titled "Series FWS-200 Alum Single Hung Window (L.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporation, dated 03/11/04 on, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Large 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 sliding glass door, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-03-1820B** dated 02/12/04, signed and sealed by Rafael E. Droz-Seda, P.E.
2. Test reports on 1) Large 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 sliding glass door, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-03-1820A** dated 09/09/03, signed and sealed by Rafael E. Droz-Seda, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) 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 door, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-03-1322B** dated 01/01/04, signed and sealed by Rafael E. Droz-Seda, P.E.
4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) 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 door, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-03-1322A** dated 06/05/03, signed and sealed by Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM E-1300, and structural analysis, prepared by AL-Farooq Corporation, dated 03/09/04, signed and sealed by Humayoun Farooq, P.E.


Herminio F. Gonzalez, P.E.

Director, Product Control Division

NOA No 04-0528.03

Expiration Date: July 29, 2009

Approval Date: July 29, 2004

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0514.15** issued to “ Oldcastle Glass, Inc.” for “ Storm Glass used for lamination of glass” dated 12/11/03 and expiring on 12/11/08”
2. Notice of Acceptance No. **01-0205.02** issued to “ Solutia, Inc..” for “ Saflex/Keepsafe Maximum” dated 05/17/01 and expiring on 05/21/06”

F. STATEMENTS

1. Statement letter of no financial interest, dated 03/09/04, signed and sealed by Humayoun Farooq, P.E.
2. Statement Letter of conformance dated 03/09/04, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

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

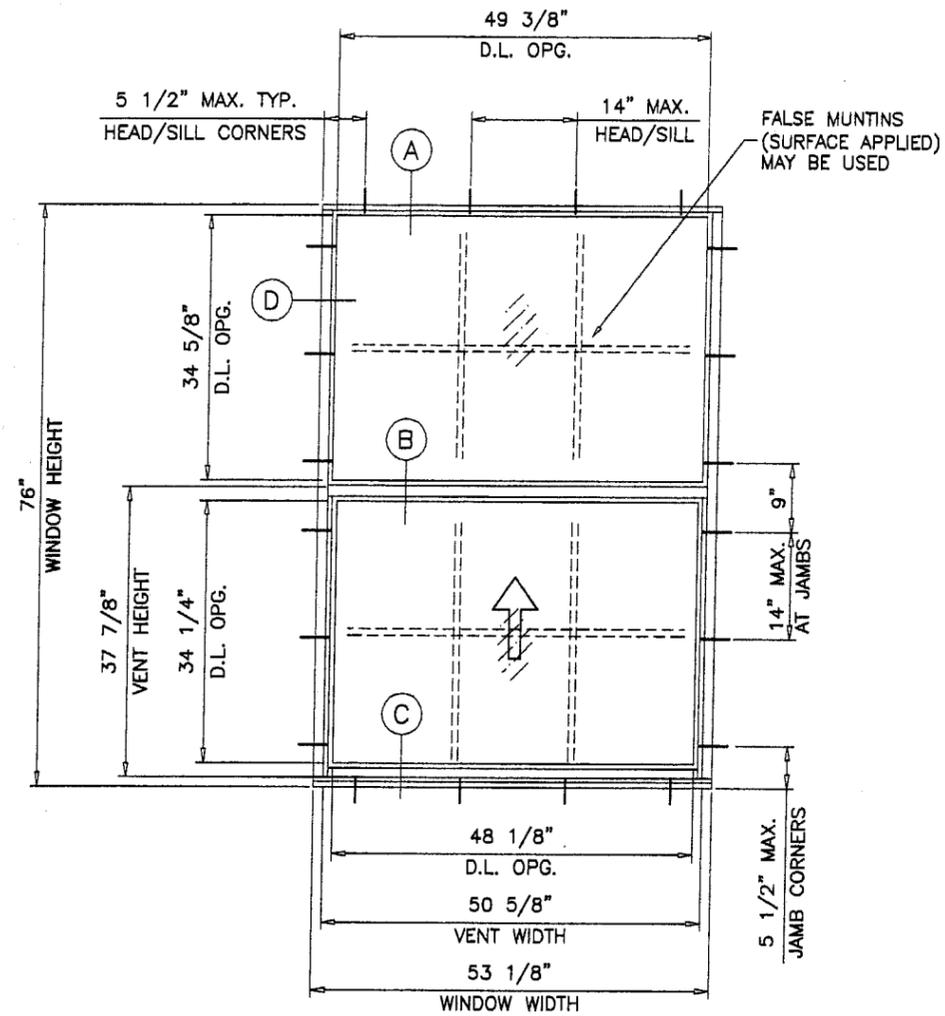


**Herminio F. Gonzalez, P.E.
Director, Product Control Division**

NOA No 04-0528.03

Expiration Date: July 29, 2009

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TYPICAL ELEVATION
TESTED UNIT

SERIES FWS-200 ALUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ON SHEET 2.

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

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 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 as complying with the
Florida Building Code
Date 07/29/04
NOA# 04-0522.03
Miami Dade Product Control
Division
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16857
C.A.N. 3538

MAR 18 2004



AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6878
COMP-ANL\W04-20FWS

SERIES FWS-200 ALUM SINGLE HUNG WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

revisions:	
no	date by description

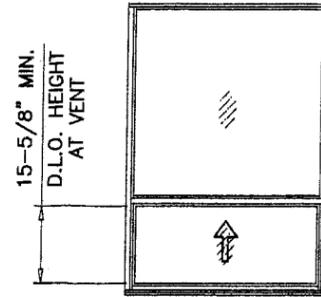
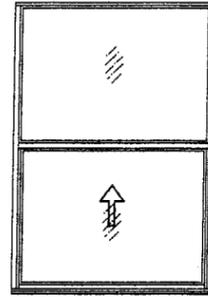
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scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-20

sheet 1 of 5

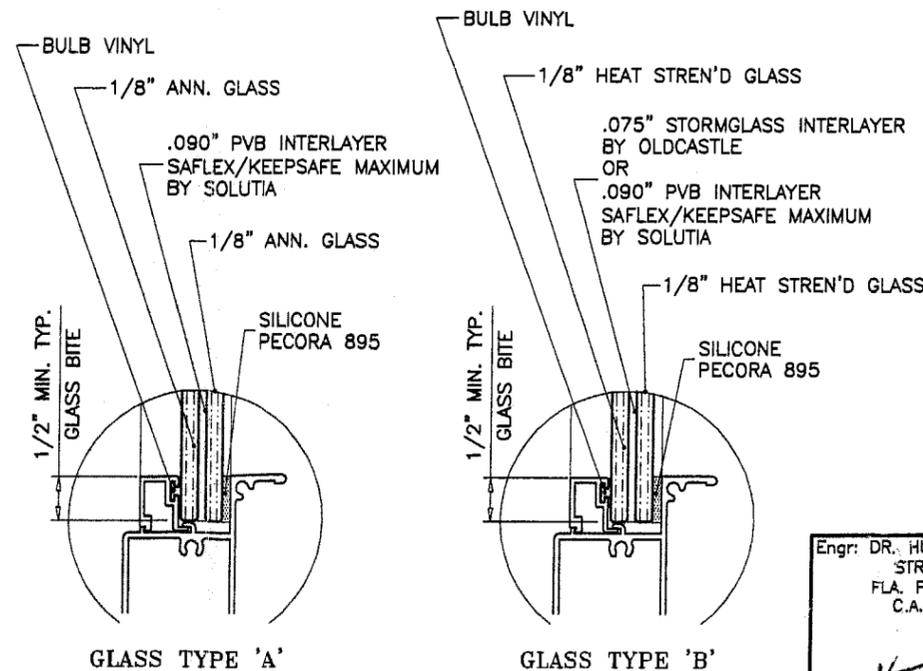
EQUAL LITES WINDOWS									
DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'A'				GLASS TYPE 'B'			
		ANCHORS 'A'		ANCHORS 'B'		ANCHORS 'A'		ANCHORS 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (3)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
37"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
42"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
48"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
53-1/8"		60.0	65.0	60.0	65.0	66.7	71.3	66.7	75.0
19-1/8"	38-3/8" (3)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	69.3	66.7	75.0
37"		60.0	61.9	60.0	65.0	61.9	61.9	66.7	75.0
42"		55.9	55.9	60.0	65.0	55.9	55.9	66.7	75.0
48"		50.0	50.0	60.0	65.0	50.0	50.0	66.7	75.0
53-1/8"		45.9	45.9	60.0	65.0	45.9	45.9	66.7	75.0
19-1/8"	50-5/8" (4)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	74.4	66.7	75.0
32"		60.0	65.0	60.0	65.0	65.2	65.2	66.7	75.0
37"		58.7	58.7	60.0	65.0	58.7	58.7	66.7	75.0
42"		53.3	53.3	60.0	65.0	53.3	53.3	66.7	75.0
48"		48.0	48.0	60.0	65.0	48.0	48.0	66.7	75.0
53-1/8"		44.3	44.3	60.0	65.0	44.3	44.3	66.7	75.0
19-1/8"	57" (5)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	69.9	66.7	75.0
37"		60.0	63.1	60.0	65.0	63.1	63.1	66.7	75.0
42"		57.5	57.5	60.0	65.0	57.5	57.5	66.7	75.0
48"		51.9	51.9	60.0	65.0	51.9	51.9	66.7	75.0
53-1/8"		48.0	48.0	60.0	62.2	48.0	48.0	66.7	75.0
19-1/8"	63" (6)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	73.5	66.7	75.0
37"		60.0	65.0	60.0	65.0	66.6	66.6	66.7	75.0
42"		60.0	60.8	60.0	65.0	60.8	60.8	66.7	75.0
48"		55.1	55.1	60.0	61.6	55.1	55.1	66.7	75.0
53-1/8"		-	-	-	-	51.0	51.0	66.7	75.0
19-1/8"	76" (6)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.5	66.5	66.7	75.0
32"		57.6	57.6	60.0	65.0	57.6	57.6	66.7	75.0
37"		52.0	52.0	60.0	65.0	52.0	52.0	66.7	75.0
42"		-	-	-	-	47.7	47.7	66.7	75.0
48"		-	-	-	-	43.4	43.4	66.7	75.0
53-1/8"		-	-	-	-	40.4	40.4	66.7	75.0

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



UNEQUAL LITES WINDOWS									
DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'A'				GLASS TYPE 'B'			
		ANCHORS 'A'		ANCHORS 'B'		ANCHORS 'A'		ANCHORS 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	50-5/8" (4)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	74.4	66.7	75.0
32"		60.0	65.0	60.0	65.0	65.2	65.2	66.7	75.0
37"		58.7	58.7	60.0	65.0	58.7	58.7	66.7	75.0
42"		53.3	53.3	60.0	65.0	53.3	53.3	66.7	75.0
48"		48.0	48.0	60.0	61.7	48.0	48.0	66.7	75.0
53-1/8"		-	-	-	-	44.3	44.3	66.7	75.0
19-1/8"	57" (5)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	69.9	66.7	75.0
37"		60.0	63.1	60.0	65.0	63.1	63.1	66.7	75.0
42"		-	-	-	-	57.5	57.5	66.7	75.0
48"		-	-	-	-	51.9	51.9	66.7	75.0
53-1/8"		-	-	-	-	48.0	48.0	66.7	75.0
19-1/8"	63" (6)	60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
26-1/2"		60.0	65.0	60.0	65.0	66.7	75.0	66.7	75.0
32"		60.0	65.0	60.0	65.0	66.7	73.5	66.7	75.0
37"		-	-	-	-	66.6	66.6	66.7	75.0
42"		-	-	-	-	60.8	60.8	66.7	75.0
48"		-	-	-	-	57.6	57.6	66.7	75.0
53-1/8"		-	-	-	-	57.6	57.6	66.7	75.0

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



GLAZING OPTIONS

Approved as complying with the Florida Building Code
 Date 07/29/04
 NOA# 04-0528.03
 Miami Dade Product Control
 Division
 By *[Signature]*

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

MAR 18 2004

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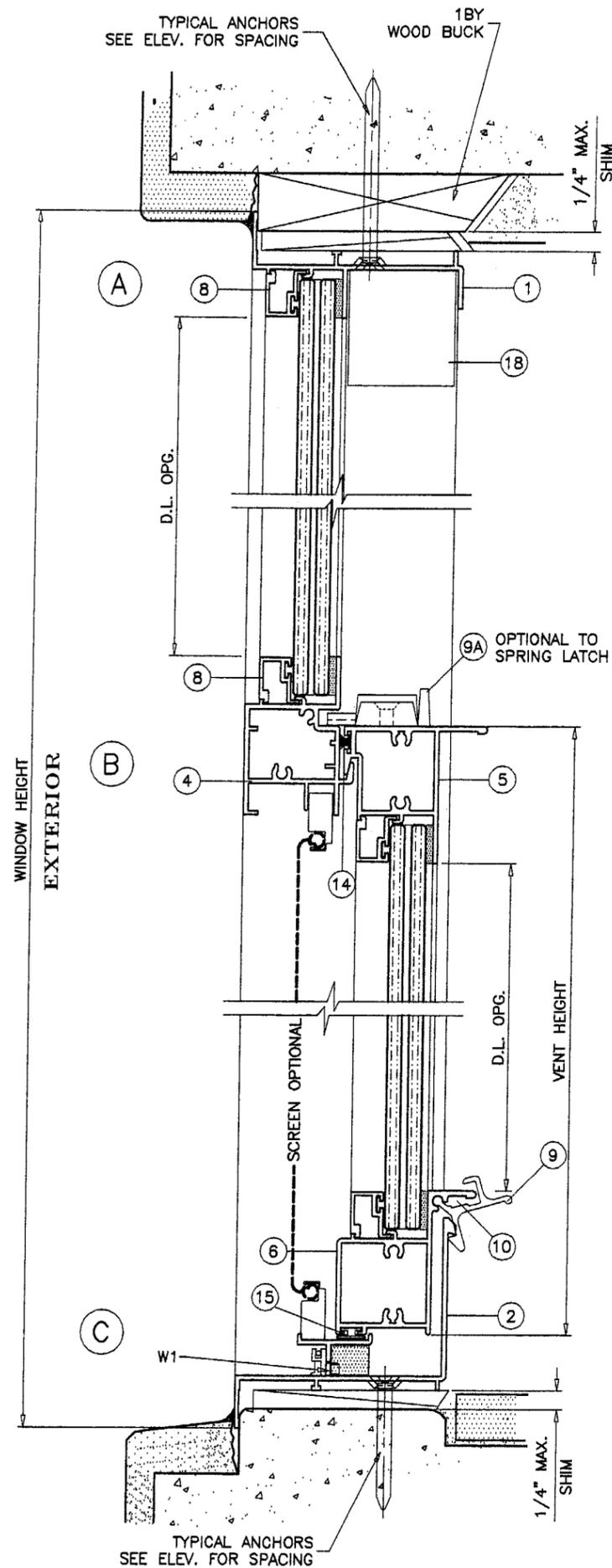
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES FWS-200 ALUM SINGLE HUNG WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS
 7191 N.W. 77 TERRACE
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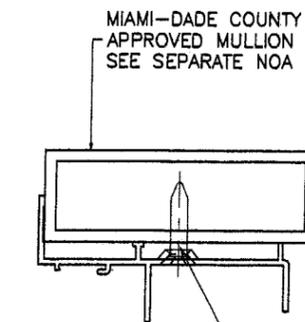
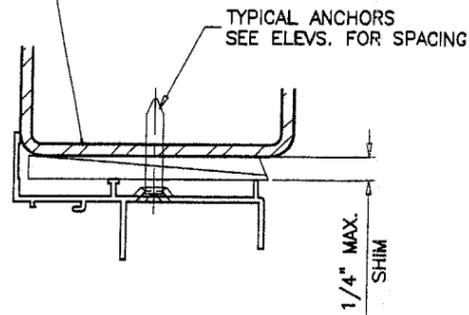
no.	date	description

date: 03-11-04
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by: *[Signature]*

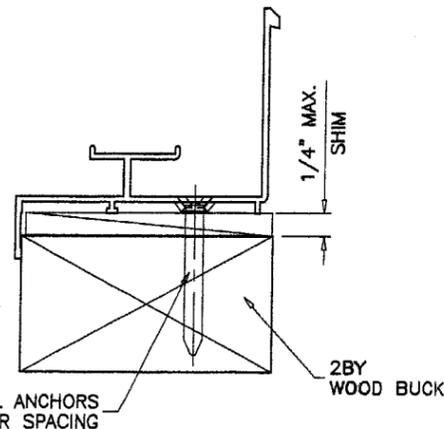
drawing no.
W04-20
 sheet 2 of 5



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



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



WOOD BUCKS NOT BY F.W.S., MUST SUSTAIN LOADS
IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
TYPE 'A' 3/16" TAPCONS

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

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

TYPE 'B' 1/4" TAPCONS

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

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

#12" TEKS OR SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
(1/4" MAX. SHIM SPACE)

#12 SMS OR SELF DRILLING SCREWS

INTO DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
SCHNEE-MOREHEAD 5504 SEALANT.

WEEPHOLES:

W1 = 1-1/2" X 3/16" WEEPHOLES AT 2-1/4" FROM
EACH END

Approved as complying with the
Florida Building Code
Date 07/29/04
NOA# 04-0528.03
Miami Dade Product Control
Division
By *[Signature]*

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

MAR 18 2004

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\W04-20FWS

SERIES FWS-200 ALUM SINGLE HUNG WINDOW (L.M.I.)

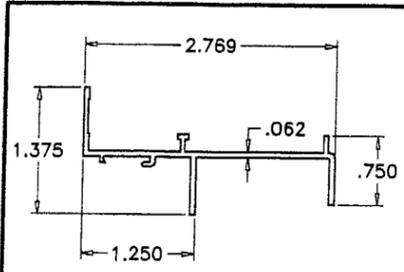
FLORIDA WINDOW SYSTEMS
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

no	date	by	description

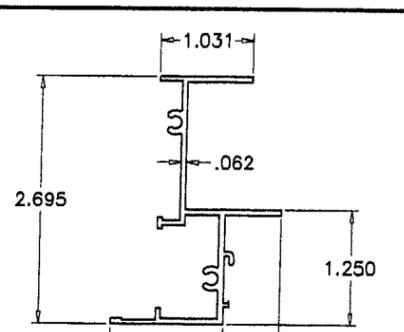
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dr. by: HAMID
chk. by: *[Signature]*

drawing no.
W04-20

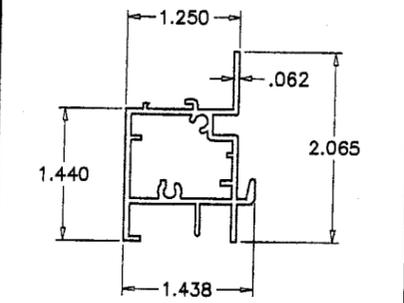
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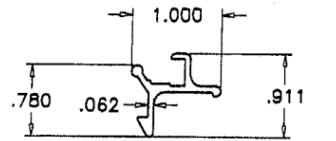
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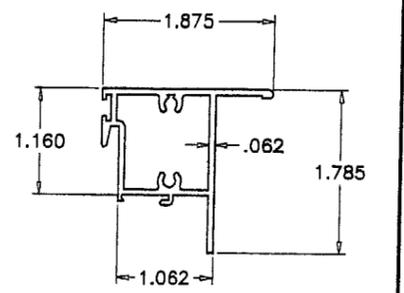
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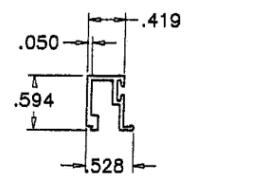
MEETING RAIL



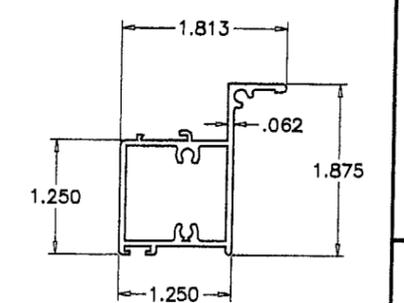
VENT LATCH



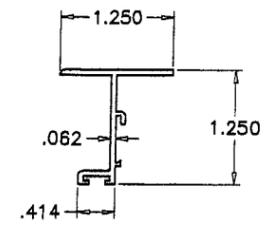
VENT TOP RAIL



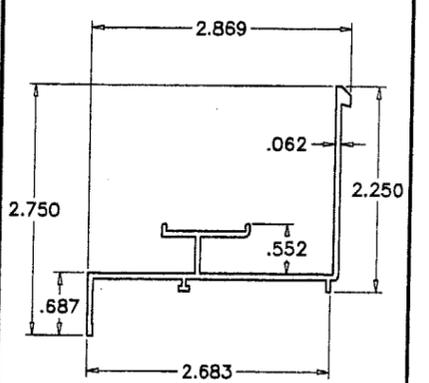
GLAZING BEAD



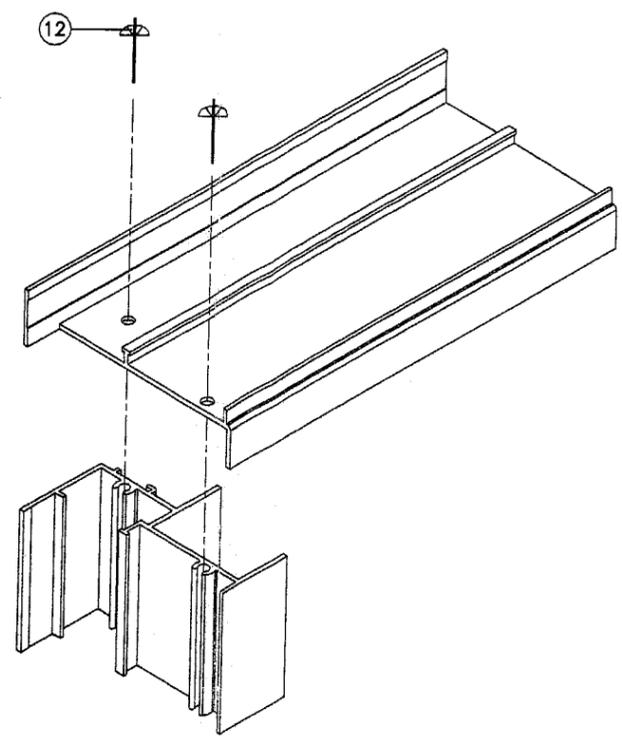
VENT BOTTOM RAIL



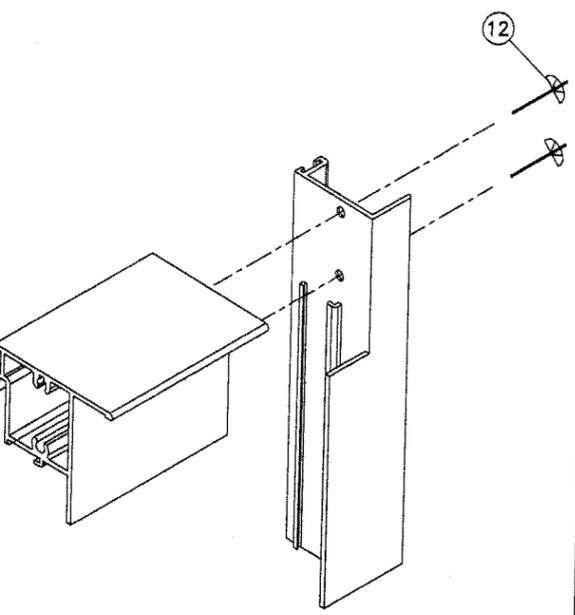
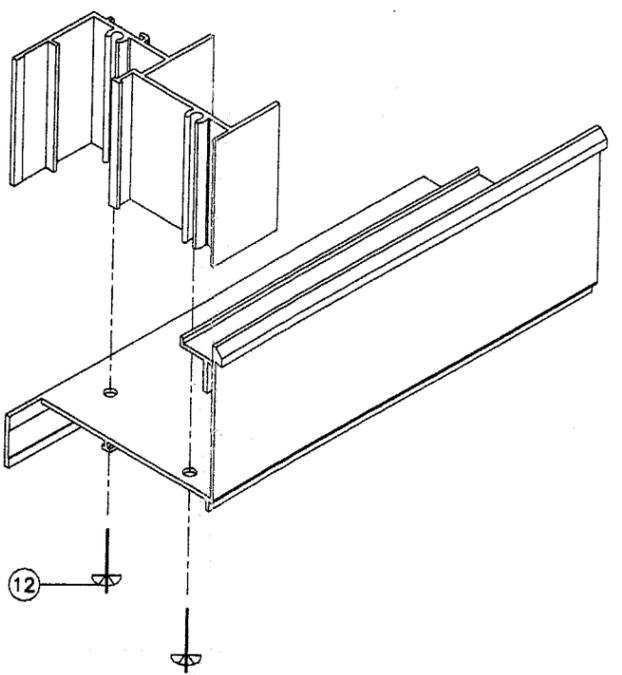
VENT SIDE RAIL



FRAME SILL



FRAME CORNERS DETAIL



VENT CORNER DETAIL

Approved as complying with the
 Florida Building Code
 Date 07/29/04
 NOAH 04-0528.03
 Miami Dade Product Control
 Division
 By *[Signature]*

Eng: DR. HUMAYUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
[Signature]
 MAR 18 2004

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
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no	date	by	description

date: 03-11-04
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W04-20
 sheet 5 of 5



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