



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

R.C. Aluminum Industries, Inc.
2805 NW 75th Ave.
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 and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "600Y-CA" Aluminum Single Hung Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. W07-24, titled "Series 600Y-CA Aluminum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07, with revision "B" dated 11/07/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, 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 No. 07-0522.10 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
12/6/12

NOA No. 12-0806.04
Expiration Date: July 26, 2017
Approval Date: December 13, 2012
Page 1

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-24**, titled "Series 600Y-CA Aluminum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07 with revision "B" dated 11/07/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6246**, dated 08/09/10, signed and sealed by Jorge A. Causo, P. E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202-94
2) Small Missile Impact Test, per FBC, TAS 202-94
3) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5693**, dated 08/28/08, signed and sealed by Carlos S. Rionda, 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 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 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-4719**, dated 09/15/05 and **FTL-4032**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 07-0522.10)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0806.04
Expiration Date: July 26, 2017
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R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202-94
2) Small Missile Impact Test, per FBC, TAS 202-94
3) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4020**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P. E.

(Submitted under previous NOA No. 07-0522.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 07/24/12, prepared by Al-Farooq Corporation, signed, sealed and dated 11/14/12 by Javad Ahmad, P. E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

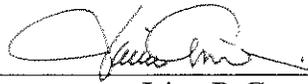
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of no financial interest, independence, conformance and complying with **FBC-2010**, issued by Al-Farooq Corporation, dated 07/23/12, signed and sealed by Javad Ahmad, P. E.
2. Revised proposal issued by Product Control, dated 02/12/09, signed by Renzo Narciso.
3. Laboratory compliance letter for Test Report No. **FTL-6246**, dated 07/27/10, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Jorge A. Causo, P. E.
4. Proposal issued by Product Control, dated 06/09/08, signed by Jaime D. Gascon, P. E.
5. Laboratory compliance letter for Test Report No. **FTL-5693**, dated 08/11/08, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E.
6. Proposal No. **05-0111** issued by Product Control, dated 06/22/05, signed by Ishaq Chanda, P. E.

(Submitted under previous NOA No. 07-0522.10)


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0806.04
Expiration Date: July 26, 2017
Approval Date: December 13, 2012

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS(CONTINUED)

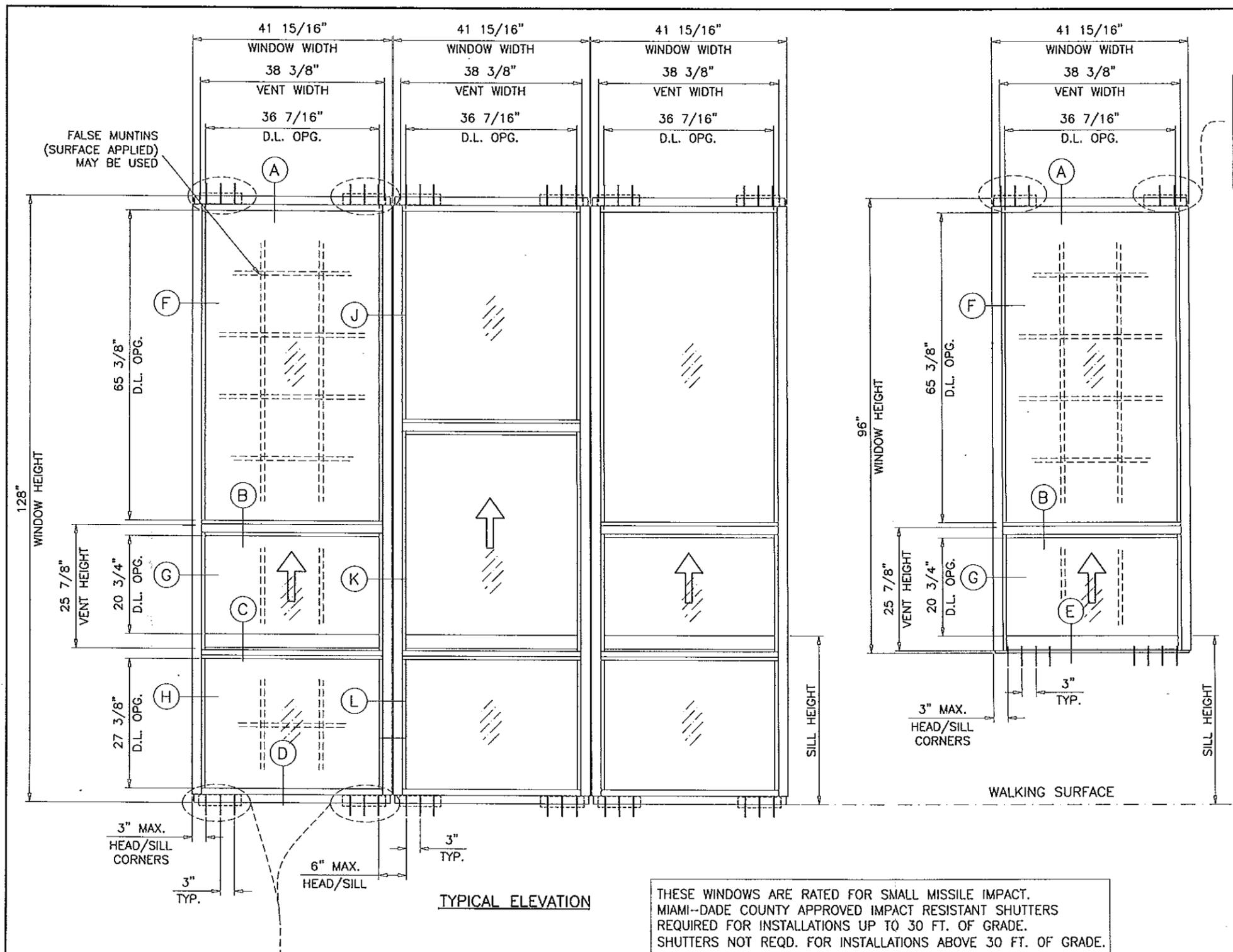
7. Laboratory compliance letters for Test Reports No.'s **FTL-4719**, dated 09/15/05 and **FTL-4032**, dated 12/05/03 and **FTL-4020**, dated 12/05/03, all issued by Fenestration Testing Laboratory, Inc., all signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 07-0522.10)
8. Proposal issued by Product Control, dated 09/25/03, signed by Jaime D. Gascon, P. E.
(Submitted under previous NOA No. 07-0522.10)

G. OTHERS

1. Notice of Acceptance No. **07-0522.10**, issued to R.C. Aluminum Industries, Inc. for their Series "600Y-CA Aluminum Single Hung Window - S.M.I.", approved on 07/26/07 and expiring on 07/26/12.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0806.04
Expiration Date: July 26, 2017
Approval Date: December 13, 2012



ANCHOR TYPE	MIN. EDGE DISTANCE	NO. OF ANCHORS PER CHANNEL	ANCHOR CHANNEL LENGTH
A	2-1/2"	2	9"
	2"	3	9"
	1-1/2"	4	12"
B	3/4"	2	9"

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, TYPICAL WINDOW ELEVATIONS
2	APPROVED CONFIGURATIONS, GLAZING OPTIONS
3	EQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS
4	UNEQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS
5	EQUAL AND UNEQUAL LITE WINDOWS JAMB AND MULLION CAPACITY CHARTS
6 THRU 8	VERTICAL AND HORIZONTAL SECTION DETAILS
8	UNANCHORED JAMB DETAILS & OPTIONS
9	CORNER CONSTRUCTION DETAILS, BILL OF MATERIALS
10	EXTRUSION DETAILS

ANCHOR TYPE	MIN. EDGE DISTANCE	NO. OF ANCHORS PER CHANNEL	ANCHOR CHANNEL LENGTH
A	2-1/2"	3	9"
	2"	3	9"
	1-1/2"	4	12"
B	3/4"	3	9"

TYPICAL ELEVATION

THESE WINDOWS ARE 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 600Y-CA ALUM SINGLE HUNG WINDOW

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

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.

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

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 12-0806.04
 Expiration Date 07/26/2017
 By: [Signature]
 Miami Dade Product Control

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1 WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 NOV 14 2012

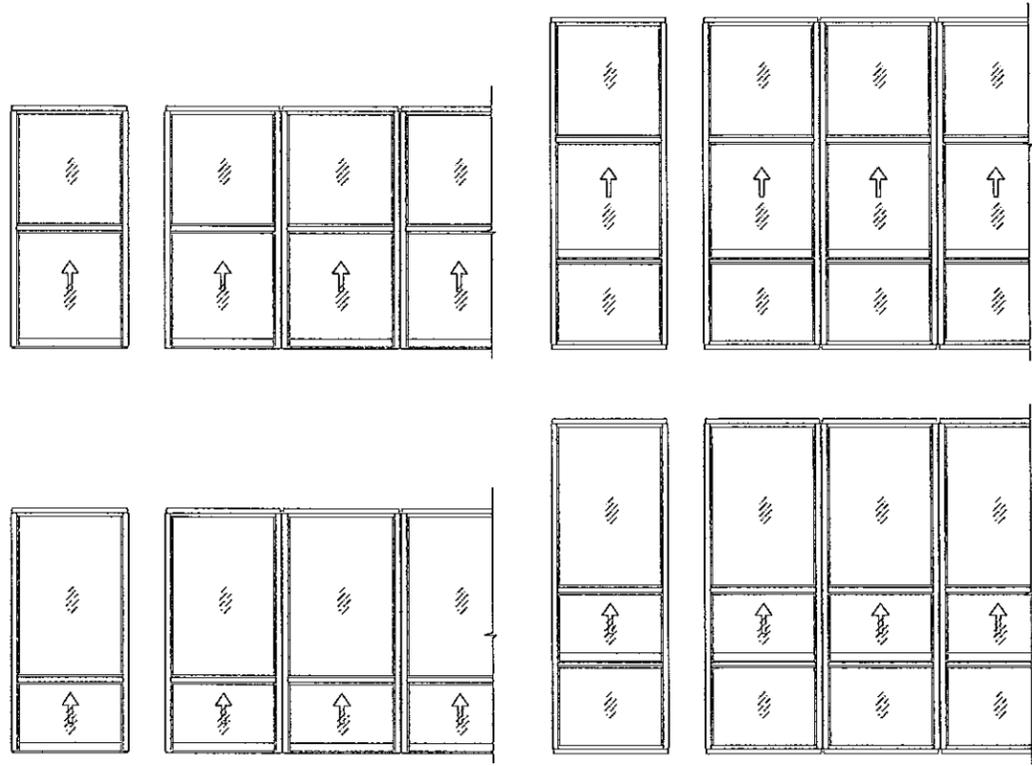
afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no.	date	description
A	07.23.12	UPDATED TO 2010 FBC
B	11.07.12	CORNER ANCHOR REVISED

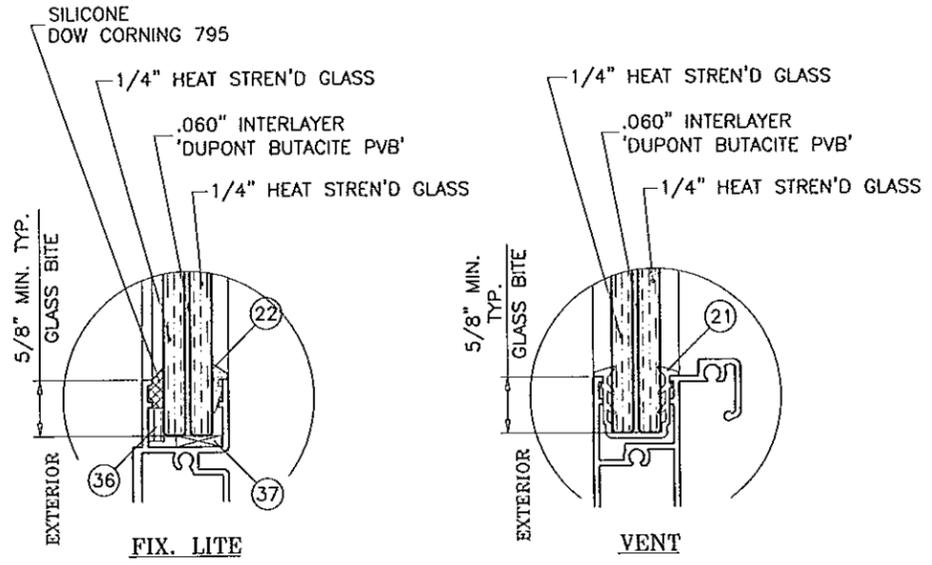
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 dr. by: HAMID
 chk. by:

drawing no. **W07-24**
 sheet 1 of 10

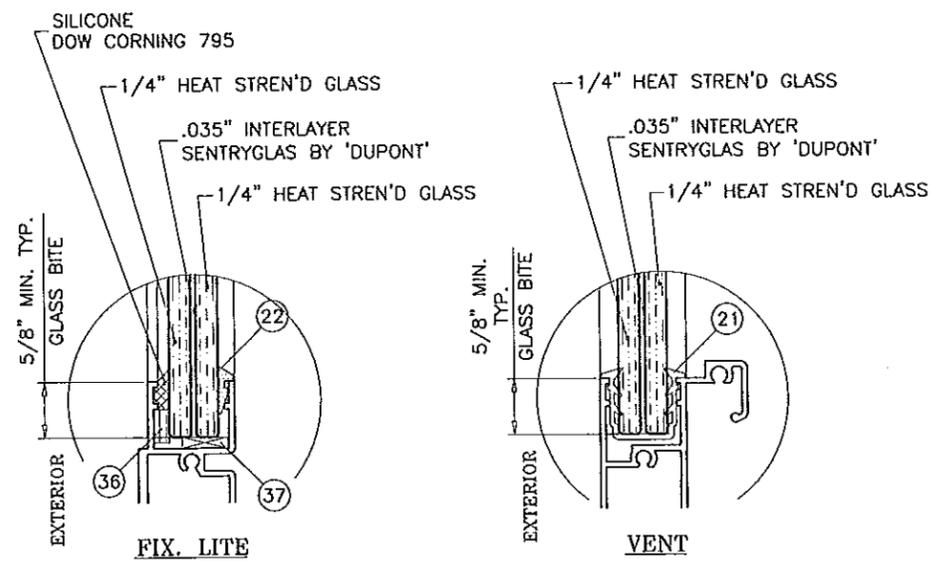


APPROVED CONFIGURATIONS

APPROVAL APPLIES TO INDIVIDUAL UNITS OF SINGLE HUNG WINDOWS OR SINGLE HUNG OVER FIXED WINDOWS. ALSO SIDE BY SIDE COMBINATIONS OF S.H. TO S.H. OR S.H./FIX. TO S.H./FIX. IN MODULES OF TWO OR MORE UNITS.



GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **12-0806.04**
 Expiration Date **27/26/2017**
 By *[Signature]*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 NOV 14 2012

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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 TEL. (305) 264-8100 FAX. (305) 262-6978
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SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no.	date	by	description
A	07.23.12		GLASS TYPE 'B' ADDED
B	11.07.12		REV. PER PER COMMENTS

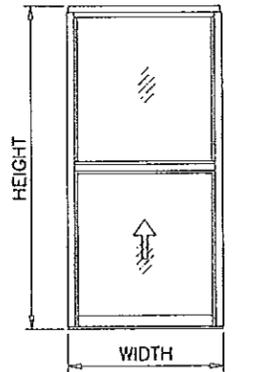
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-24

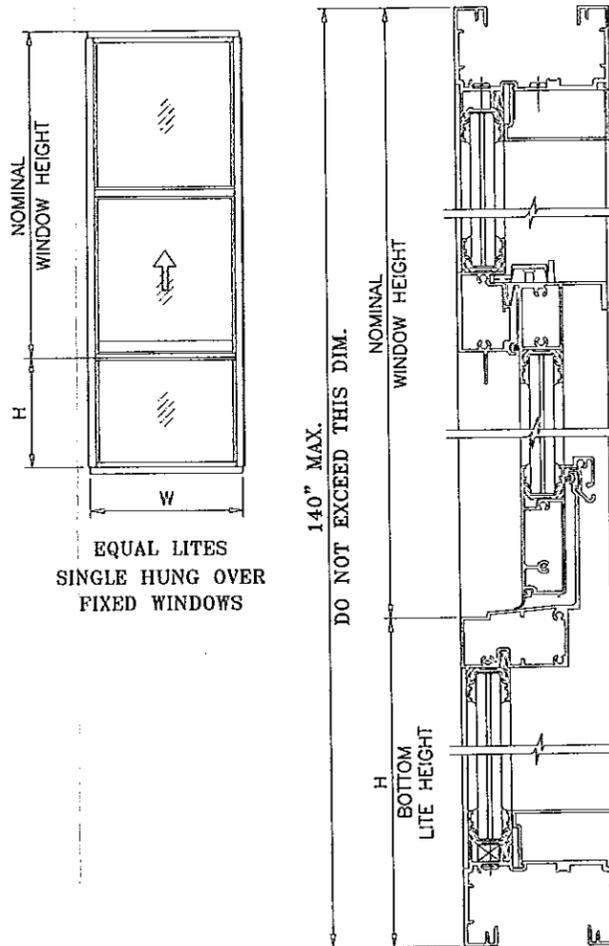
sheet 2 of 10

EQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
30"	48"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		86.5	86.5
60"	62.1	62.1	
30"	54"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		115.2	115.2
54"		78.6	78.6
60"	56.2	56.2	
30"	60"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		107.2	107.2
54"		72.6	72.6
30"	66"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		101.1	101.1
30"	72"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		96.5	96.5
30"	78"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
30"	79"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
44-3/4"		120.0	120.0

EQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
30"	36"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"	89.9	116.8	
30"	42"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"	78.0	101.5	
30"	48"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		100.0	120.0
54"		96.7	120.0
60"	69.4	90.2	
30"	54"	120.0	120.0
36"		120.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		87.9	114.2
60"	62.8	81.6	
30"	60"	120.0	120.0
36"		120.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		81.1	105.5
60"	57.7	74.9	
30"	66"	120.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		75.9	98.7
60"	53.6	69.7	
30"	72"	120.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		71.8	93.3
60"	50.4	65.5	
30"	78"	120.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		68.6	89.2
30"	79"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
44-3/4"		120.0	120.0
30"	84"	120.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
30"	90"	120.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0



EQUAL LITES
SINGLE HUNG WINDOWS



EQUAL LITES
SINGLE HUNG OVER
FIXED WINDOWS

REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN
SINGLE HUNG WINDOW CAPACITY.

REFER TO CHART ABOVE TO OBTAIN CAPACITY OF
BOTTOM LITE OF WINDOWALL.

REFER TO CHARTS AT SHEET 4 TO OBTAIN JAMB AND
MULLION CAPACITY.

USE LOWEST VALUES OF OPTIONS CONSULTED.

WINDOWALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
36"	36"	120.0	120.0
42"		120.0	120.0
48"		96.5	96.5
36"	41"	120.0	120.0
42"		120.0	120.0
44-3/4"		120.0	120.0

WINDOWALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
36"	36"	120.0	120.0
42"		120.0	120.0
48"		100.0	120.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0806.04
Expiration Date 07/26/2017

By *Javad Ahmad*
Miami Dade Product Control
Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]
NOV 14 2012

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
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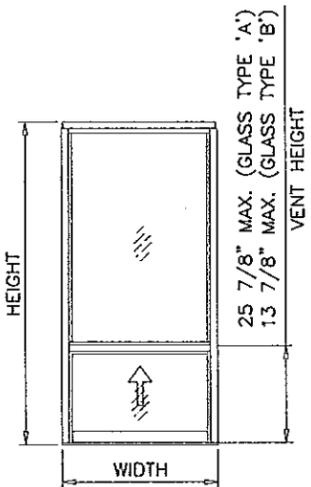
revisions:	no	date	by	description
	A	07.23.12		GLASS TYPE 'B' ADDED
	B	11.07.12		NO CHANGE THIS SHEET

date: 03-26-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

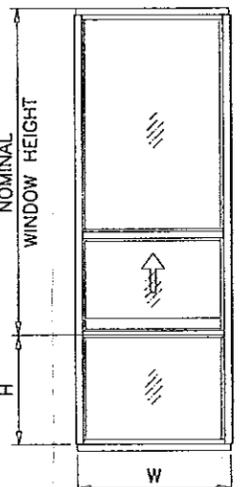
drawing no.
W07-24
sheet 3 of 10

UNEQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY -- PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
30"	48"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		86.5	86.5
30"	54"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		115.3	115.3
54"		78.7	78.7
30"	60"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		108.1	108.1
30"	66"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
30"	72"	120.0	120.0
36"		120.0	120.0
42"		99.5	99.5
48"		60.9	60.9
54"		40.1	40.1
30"	78"	120.0	120.0
36"		100.0	100.0
42"		99.5	99.5
48"		60.8	60.8
54"	39.5	39.5	
30"	79"	120.0	120.0
30"	84"	100.0	100.0
36"		100.0	100.0
42"		99.5	99.5
48"		60.8	60.8
30"	90"	100.0	100.0
36"		100.0	100.0
42"		99.5	99.5
30"	95-3/8"	100.0	100.0
36"		100.0	100.0
30"	96"	100.0	100.0
36"		100.0	100.0
42"		76.9	76.9
30"	102"	100.0	100.0
36"		100.0	100.0
39-1/8"		100.0	100.0
30"	107-3/8"	100.0	100.0
36"		100.0	100.0
39-1/8"		100.0	100.0

UNEQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY -- PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
30"	36"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		108.7	120.0
60"		90.4	117.5
30"	42"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		100.0	120.0
60"		79.4	103.3
30"	48"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		100.0	120.0
60"		71.9	93.5
30"	54"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		94.8	120.0
60"	66.7	86.7	
30"	60"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		91.0	118.3
60"	63.3	82.3	
30"	66"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		89.3	116.1
60"		61.2	79.5
30"	72"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		89.2	115.9
60"	60.2	78.3	
30"	78"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
54"		89.2	115.9
30"	84"	120.0	120.0
36"		120.0	120.0
42"		120.0	120.0
48"		120.0	120.0
30"	90"	120.0	120.0
36"		120.0	120.0
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48"	120.0	120.0	

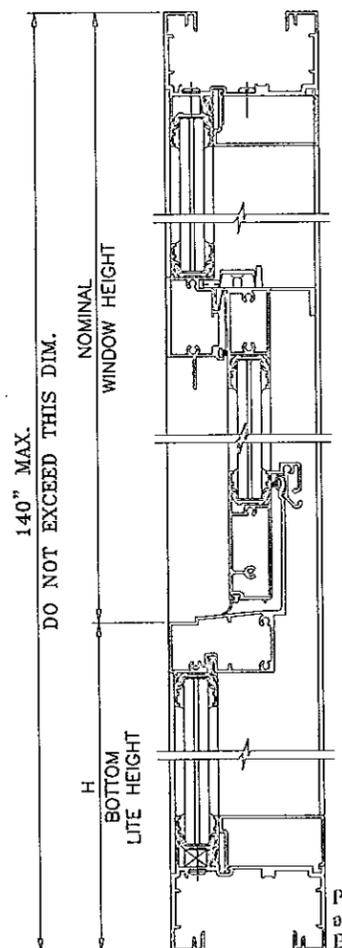


UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS



UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

WINDOW WALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
42"	36"	120.0	120.0
48"		107.5	107.5
54"		72.5	72.5
42"	41"	120.0	120.0
48"		104.3	104.3
54"		69.6	69.6
44-3/4"	41"	120.0	120.0



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **12-0806.04**
Expiration Date **07/26/2017**
By *[Signature]*
Miami Data Product Control
Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN
SINGLE HUNG WINDOW CAPACITY.

REFER TO CHART ABOVE TO OBTAIN CAPACITY OF
BOTTOM LITE OF WINDOW WALL.

REFER TO CHARTS AT SHEET 6 TO OBTAIN JAMB AND
MULLION CAPACITY.

USE LOWEST VALUES OF OPTIONS CONSULTED.

[Signature]

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 57 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W07-24RC

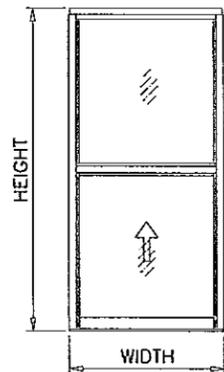
SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:	no	date	by	description
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	B	11.07.12		NO CHANGE THIS SHEET

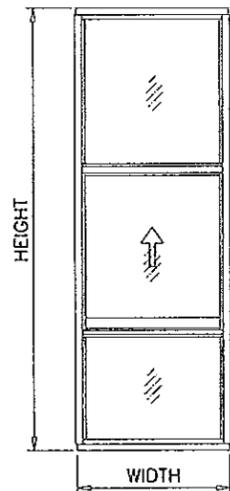
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drawing no.
W07-24
sheet 4 of 10

JAMB LOAD CAPACITY - PSF		
WINDOW DIMS.		EXT.(+)
WIDTH	HEIGHT	INT.(-)
24"	84"	120.0
30"		120.0
36"		120.0
42"		120.0
48"		120.0
54"		120.0
60"	120.0	
24"	96"	120.0
30"		120.0
36"		120.0
42"		120.0
48"		120.0
54"		120.0
24"	108"	120.0
30"		120.0
36"		120.0
42"		120.0
48"		120.0
24"	120"	120.0
30"		120.0
36"		120.0
42"		120.0
24"	126"	120.0
30"		120.0
36"		120.0
42"		117.8
24"	128"	120.0
30"		120.0
36"		120.0
42"		114.1
24"	132"	100.0
30"		100.0
36"		100.0
39"		100.0
24"	138"	100.0
30"		100.0
36"		100.0
39"		99.8
24"	140"	100.0
30"		100.0
36"		100.0
38"		95.6

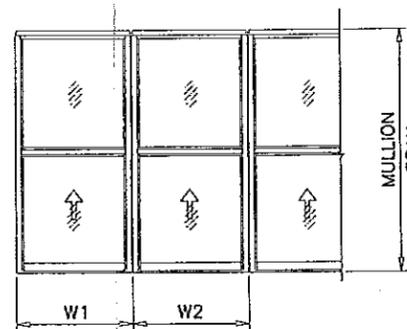


EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS

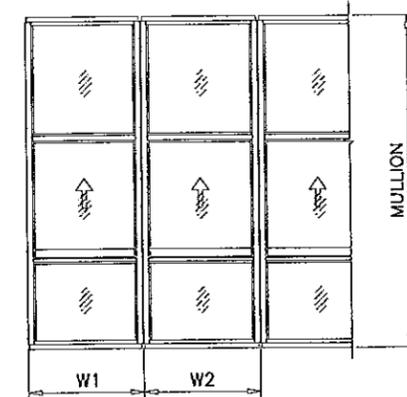


EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

MULLION LOAD CAPACITY - PSF		
WINDOW DIMS.		EXT.(+)
WIDTH (W)	MULL SPAN	INT.(-)
24"	90"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"	100.0	
24"	96"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
24"	108"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
24"	126"	100.0
30"		100.0
36"		100.0
42"		100.0
24"	140"	100.0
30"		100.0
36"		100.0
38"	140"	92.9



EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS



EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0806.04
Expiration Date 07/26/2017
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
NOV 14 2012

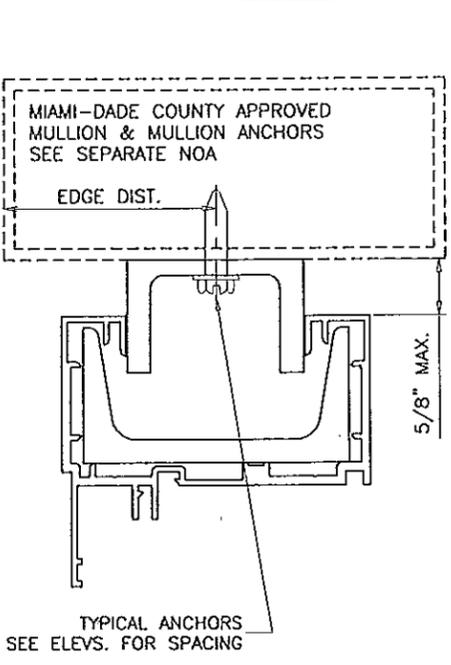
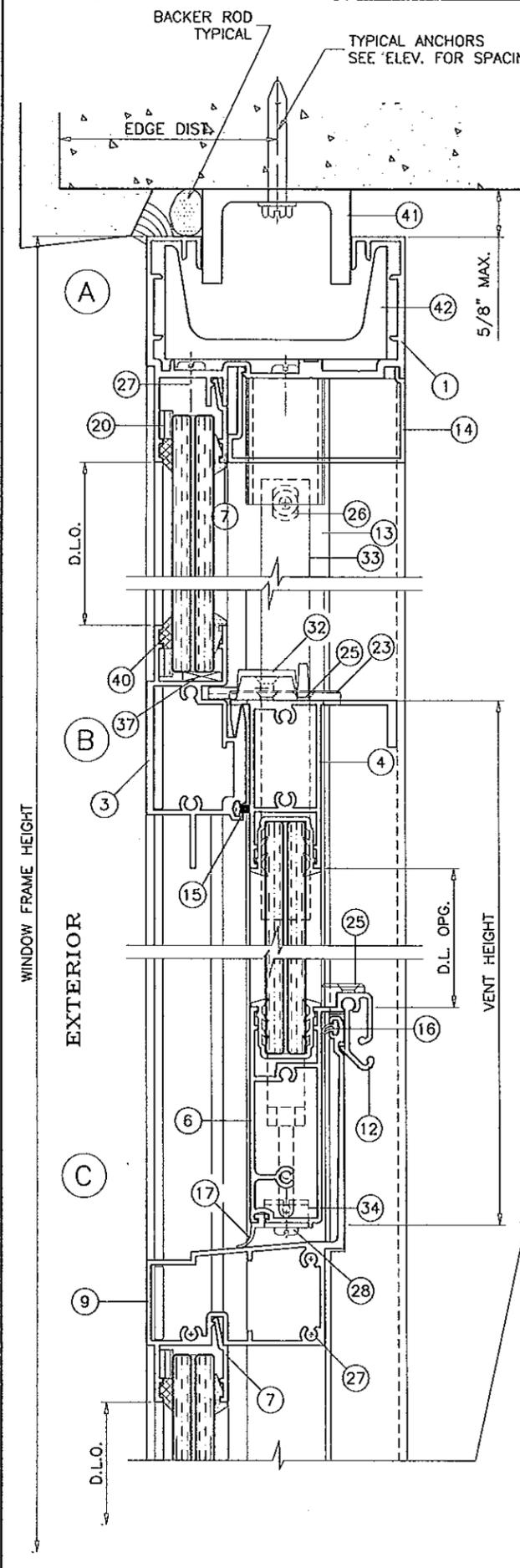
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no.	date	description
A	07.23.12	GLASS TYPE 'B' ADDED
B	11.07.12	NO CHANGE THIS SHEET

date: 03-26-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-24
sheet 5 of 10



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

METAL STRUCTURE NOT BY RC ALUMINUM
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

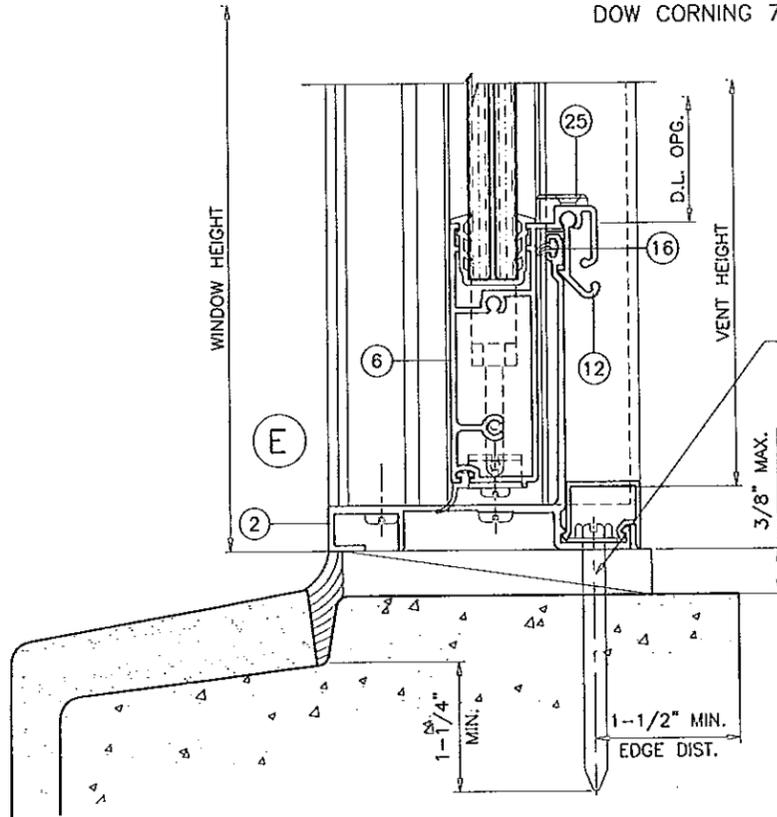
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'- 1/4" HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
DIRECTLY INTO fc'=4000 PSI CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B'- 1/4" TEKS OR SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
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)

MIN. EDGE DISTANCES
SEE SHEET 1

SEALANT:
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
DOW CORNING 795 SEALANT.



TYPICAL ANCHORS
(4) PER CORNER
SEE ELEV. FOR SPACING

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0806.04
Expiration Date 07/26/2017

By: *[Signature]*
Miami Dade County
Eng. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

NOV 14 2012

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

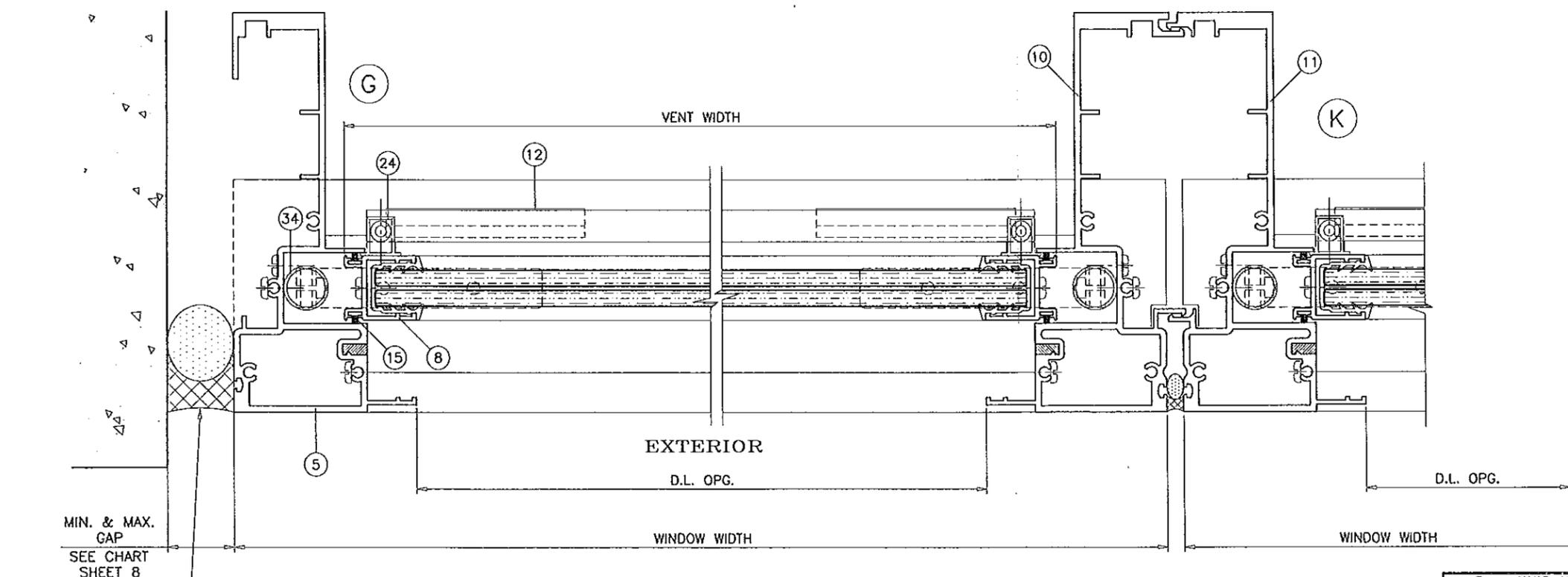
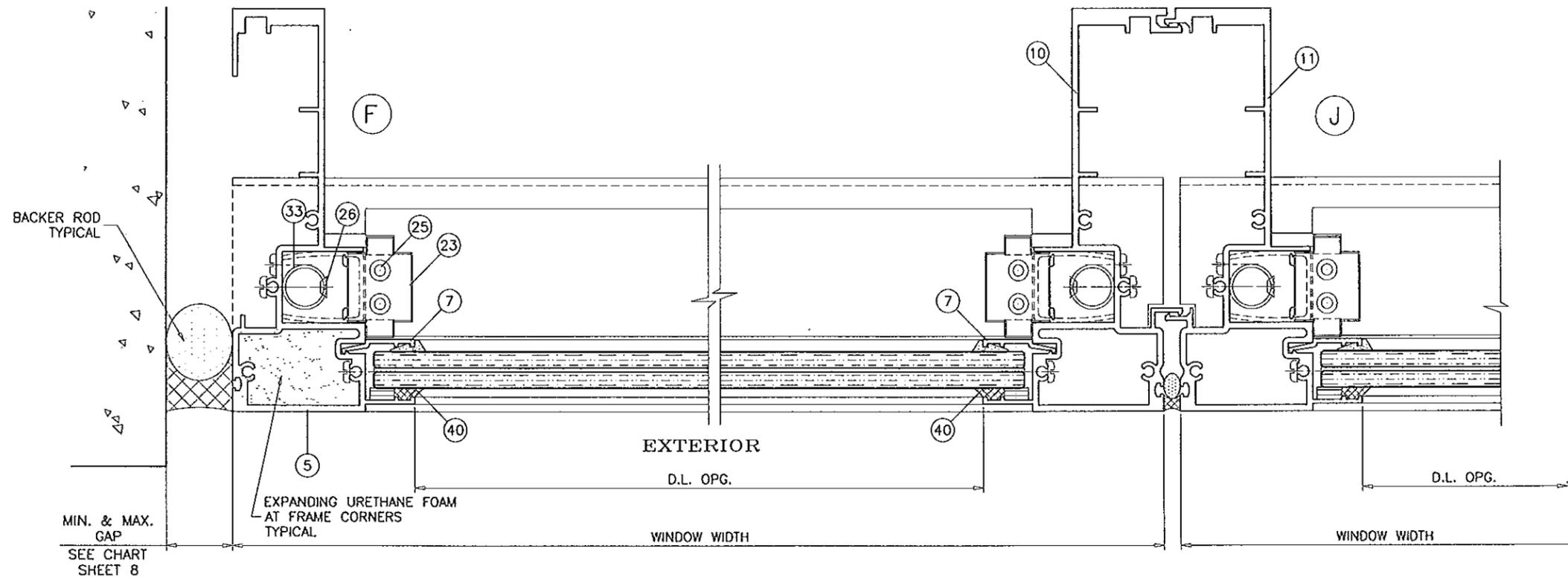
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:	no	date	description
	A	07.23.12	ANCHORS REV.
	B	11.07.12	REV. PER COMMENTS

date: 03-26-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-24

sheet 6 of 10



SILICONE
DOW CORNING 790 OR 795
DEPTH = 3/8" MIN.

PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No 12-0806.04
Expiration Date 07/26/2017
By [Signature]
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
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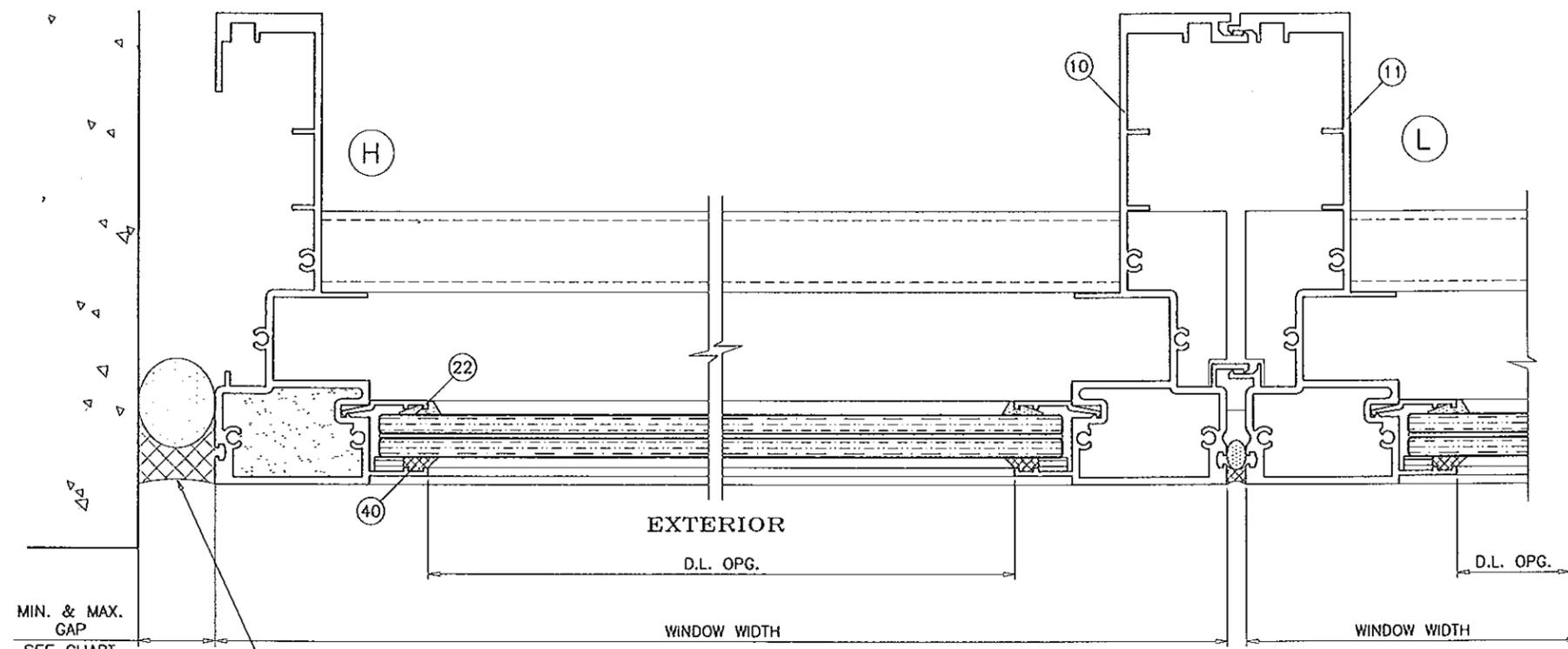
SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
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2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

Revisions:

no	date	by	description
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B	11.07.12		NO CHANGE THIS SHEET

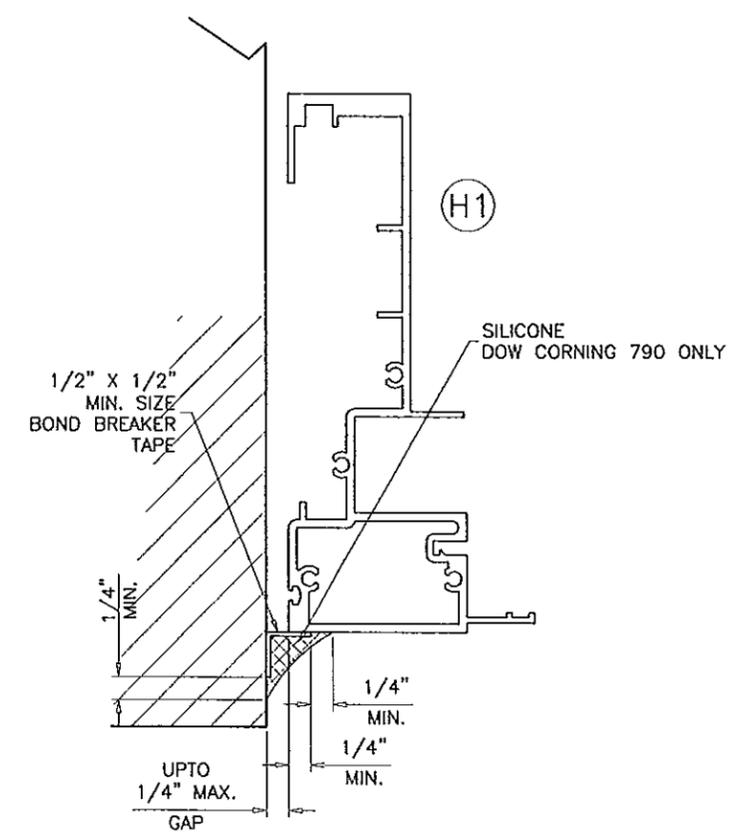
date: 03-26-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-24
sheet 7 of 10



SILICONE
 DOW CORNING 790 OR 795
 DEPTH = 3/8" MIN.
 FOLLOW GUIDELINES ESTABLISHED
 BY SEALANT MANUFACTURER

MIN. & MAX.
 GAP
 SEE CHART
 BELOW



NOTE:
 THIS CONDITION ALLOWS MAX. DEFLECTION OF .80 IN.
 APPLICABLE FOR GAPS OF 0 TO 1/2".

FOR A GIVEN MULLION SPACING, HEIGHT AND DESIGN PRESSURE
 DETERMINE DEFLECTION USING CHART AT RIGHT.
 FROM CHART BELOW DETERMINE THE MIN. GAP (G)
 REQUIRED FOR PROJECT.
 FOR GAPS LESS THAN 1/4 INCHES USE BOND BREAKER TAPE
 AS SHOWN IN DETAIL 'H1' AT LEFT.
 CHART BELOW APPLICABLE TO DETAIL 'H' ONLY

MIN. GAP (G)	MAX. DEFLECTION	
	DC-790	DC-795
.375"	.650"	.420"
.500"	.778"	.560"
.625"	.778"	.699"
.750"	.778"	.778"
.875"	.778"	.778"
1.000"	.778"	.778"

PRODUCT REVISED
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 Building Code
 Acceptance No. **12-0806.04**
 Expiration Date **07/26/2017**
 By *[Signature]*
 Miami Dade Product Control

NOMINAL DIMS.		UNANCHORED JAMBS DEFLECTION		
WIDTH (W)	FRAME HEIGHT	AT 90 PSF	AT 100 PSF	AT 120 PSF
24"	96"	.099"	.110"	.132"
30"		.124"	.138"	.166"
36"		.149"	.166"	.199"
42"		.174"	.193"	.232"
48"		.199"	.221"	.265"
54"		.224"	.248"	.298"
56"	.232"	.258"	.309"	
24"	108"	.159"	.177"	.212"
30"		.199"	.221"	.265"
36"		.239"	.265"	.318"
42"		.278"	.309"	.371"
48"		.318"	.354"	.424"
49"		.325"	.361"	.433"
24"	120"	.243"	.269"	.323"
30"		.303"	.337"	.404"
36"		.364"	.404"	.485"
42"		.424"	.472"	.566"
44"	.445"	.494"	.593"	
24"	126"	.295"	.328"	.393"
30"		.368"	.409"	.491"
36"		.442"	.491"	.590"
42"	.516"	.573"	.688"	
24"	128"	.314"	.349"	.419"
30"		.392"	.436"	.523"
36"		.471"	.523"	.628"
42"	.549"	.610"	-	
24"	132"	.355"	.395"	-
30"		.444"	.493"	-
36"		.533"	.592"	-
40"		.592"	.658"	-
24"	138"	.424"	.471"	-
30"		.530"	.589"	-
36"		.636"	.707"	-
38"	.672"	.746"	-	
24"	140"	.449"	.499"	-
30"		.562"	.624"	-
36"		.674"	.749"	-
38"		.711"	.755"	-

ALTERNATE SEALANTS OR JAMB GAPS CAN BE
 DESIGNED BY ENGINEER OF RECORD
 BASED ON MANUFACTURER GUIDE LINES.

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

[Signature]
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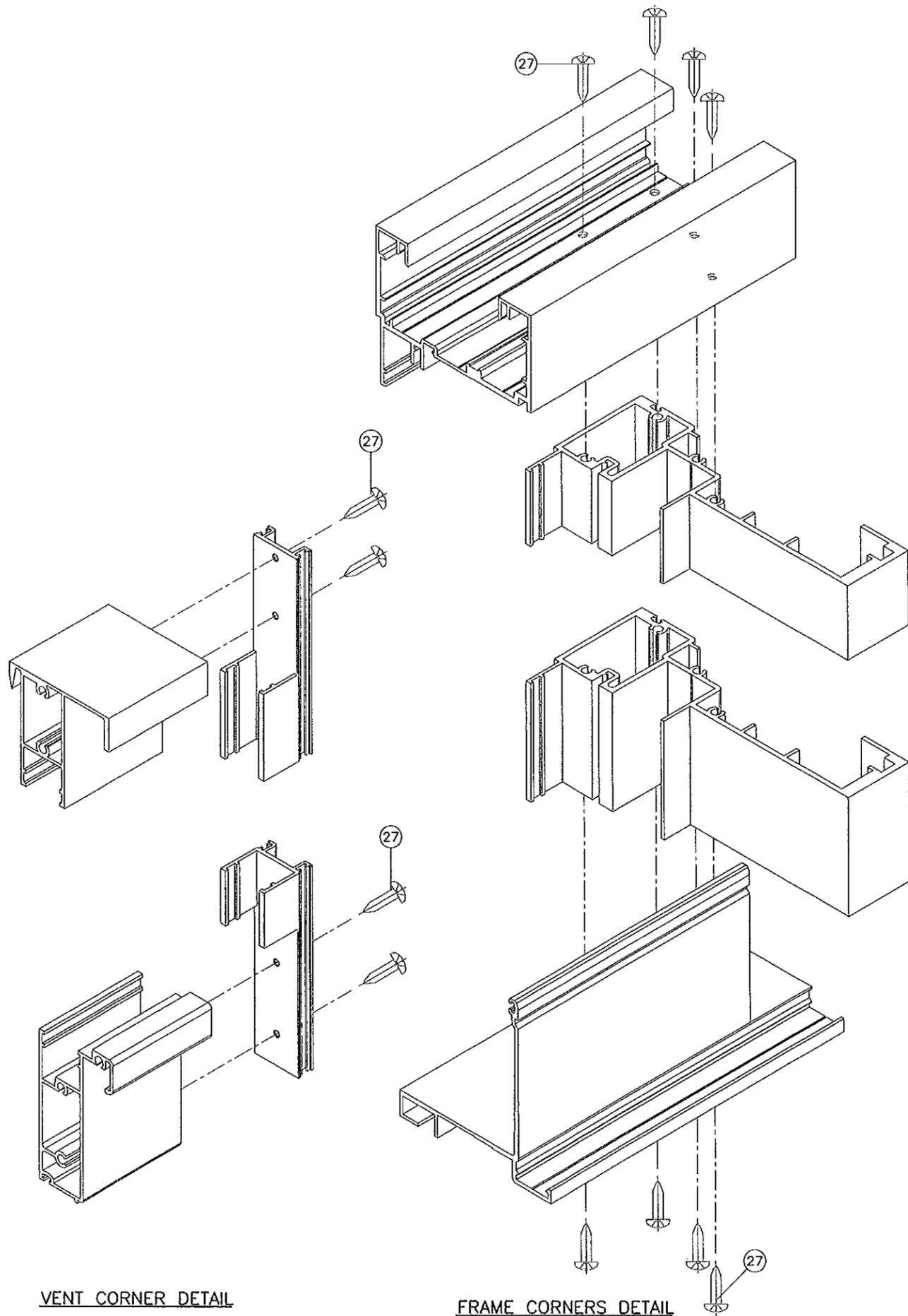
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no	date	by	description
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date: 03-26-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-24

sheet 8 of 10



VENT CORNER DETAIL

FRAME CORNERS DETAIL

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	500Y-017	AS REQD.	HEAD & FIXED SILL	6063-T6	AT FRAME
2	500Y-002	AS REQD.	FRAME SILL	--	AT FRAME
3	500Y-003	1	MEETING RAIL	6005-T5	AT FRAME
4	500Y-028	1	VENT TOP	6005-T5	SASH VENT
5	500Y-019	2	JAMB	6063-T6	AT FRAME
6	500Y-006	1	VENT BOTTOM	6063-T6	SASH VENT
7	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	AT FIXED GLASS
8	500Y-008	2	VENT SIDE	6063-T6	SASH VENT
9	500Y-009	AS REQD.	SILL MEETING RAIL	6005-T5	AT FRAME
10	500Y-015	AS REQD.	MALE MULLION	6063-T6	-
11	500Y-016	AS REQD.	FEMALE MULLION	6063-T6	-
12	500Y-012	2/VENT	HANDICAP FINGER LOCK	6063-T6	SASH VENT
13	500Y-013	1	VENT STOP	6063-T6	AT TOP OF FRAME
14	550Y-018	AS REQD.	FRAME COVER	6063-T6	-
15	W33261NK	AS REQD.	WEATHERSTRIPPING PILE	--	AT VENT SIDE MEETING RAIL
16	WW-3189	AS REQD.	WEATHERSTIPPING GASKET	VINYL	SILL & SILL MEETING RAIL
17	V-048	AS REQD.	WEATHERSTRIPPING GASKET, BOTTOM OF SASH VENT	TPE	MELTPOINT, DUROMETER 75±5
21	V-049	AS REQD.	GLAZING GASKET	TPE	MELTPOINT, DUROMETER 70±5
22	V-053	AS REQD.	GLAZING WEDGE	TPE	MELTPOINT, DUROMETER 75±5
23	P-012	2/ VENT	VENT TOP GUIDE PLASTIC M&M	NYLON	TOP OF SASH VENT
24	P-013	2/ VENT	VENT BOTTOM GUIDE PLASTIC M&M	NYLON	BOTTOM OF SASH VENT
25	-	AS REQD.	#8 X 3/8" LG. FH. SMS. ST/ST PHILLIPS	-	AT P-012, P-013 & PD-203
26	-	2	#8 X 1" LG. FH. SMS. ST/ST PHILLIPS	-	AT TOP OF BALANCE
27	-	AS REQD.	#10 X 1" LG. PH. SMS. ST/ST PHILLIPS	-	ASSEMBLY SCREWS
28	-	6	#10 X 3/4" LG. PH. SMS. ST/ST PHILLIPS	-	AT BALANCE CLIP
29	-	-	--	-	-
32	PD-203	2/ WDW	SASH LOCK	-	AT TOP OF SASH
33	-	2/ WDW	ULTRA-LIFT BALANCE #30	-	AT FRAME
34	--	2/ WDW	ULTRA-LIFT NON TILT BRACKET	-	-
36	-	-	1/4" X 1/2" FOAM TAPE SINGLE FACE	-	-
37	--	2/ LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK	NEOPRENE	DUROMETER 85±5 SHORE A
38	-	2/ LITE	3/8" X 1/2" X 4" LG. SETTING BLOCKS	NEOPRENE	DUROMETER 85±5 SHORE A
40	DC-795	-	GLAZING COMPOUND	SILICONE	-
41	500Y-021	AS REQD.	ANCHOR CHANNEL	6063-T6	9 IN. & 12" LONG LONG
42	500Y-020	AS REQD.	REINFORCING CHANNEL	6063-T6	9 IN. LONG

PRODUCT REVISED
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 Miami Dade Product Control

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[Signature]
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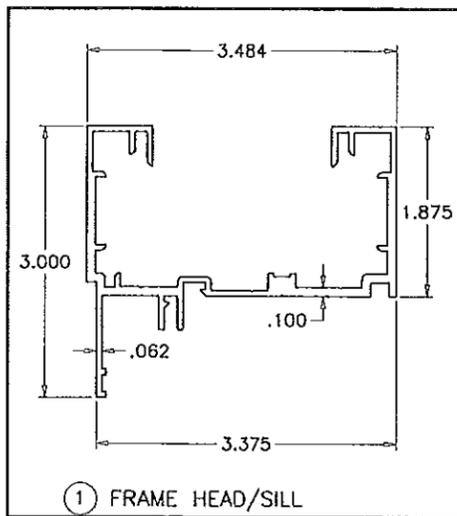
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AL-FAROOQ CORPORATION
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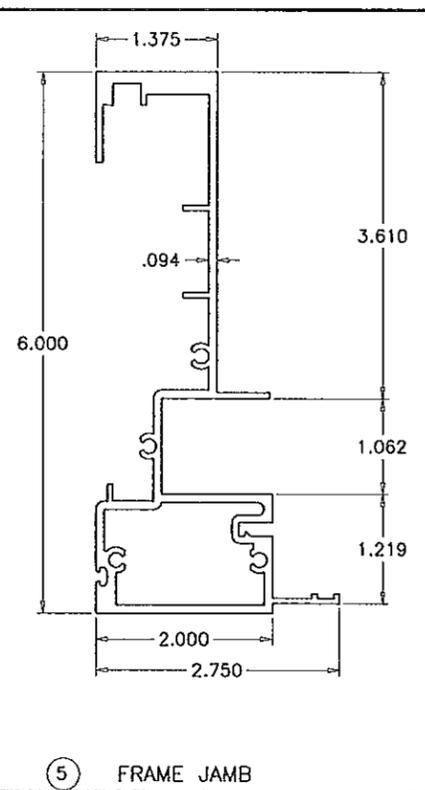
revisions:	no	date	by	description
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	B	11.07.12		REV. PER COMMENTS

date: 03-26-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

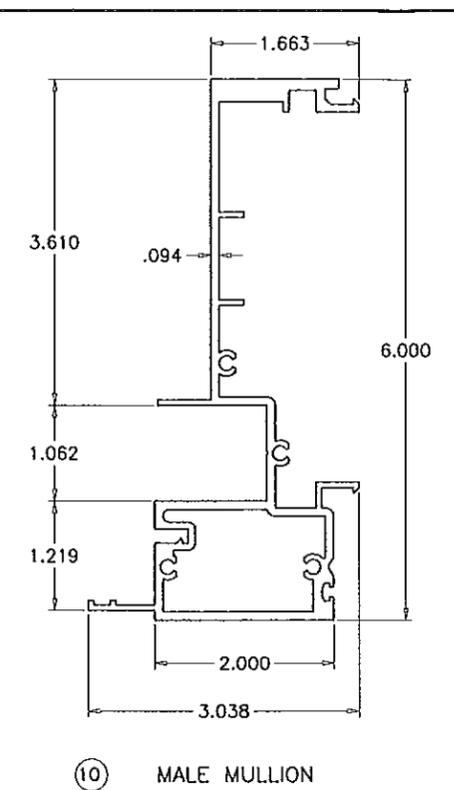
drawing no.
W07-24
 sheet 9 of 10



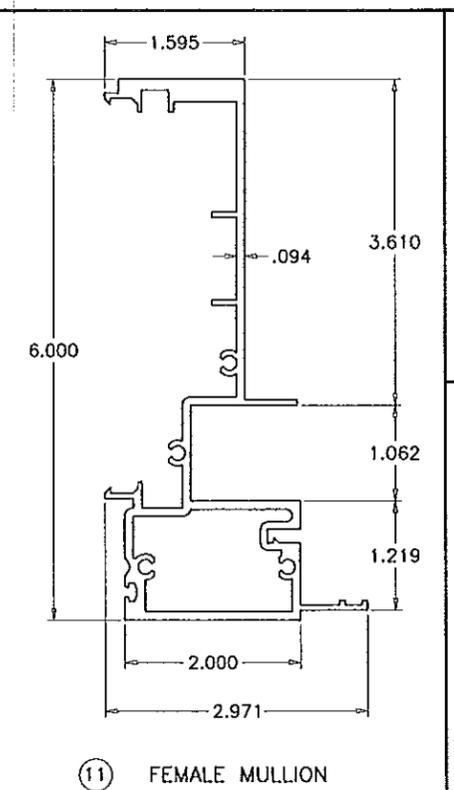
① FRAME HEAD/SILL



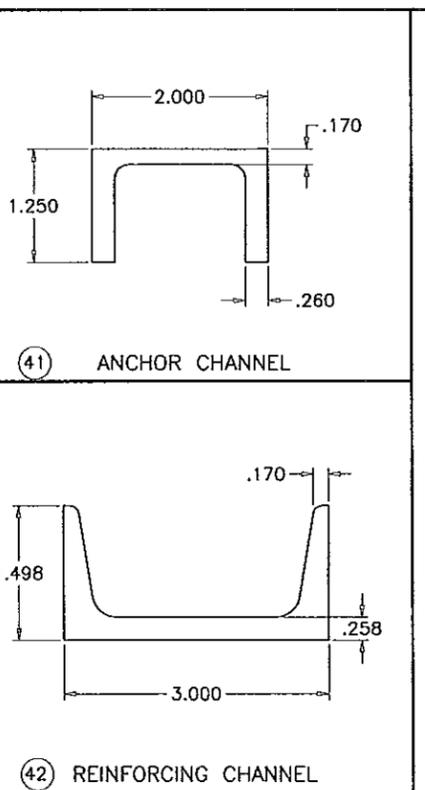
⑤ FRAME JAMB



⑩ MALE MULLION

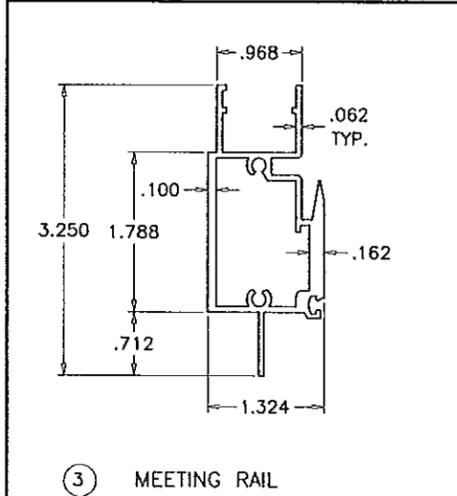


⑪ FEMALE MULLION

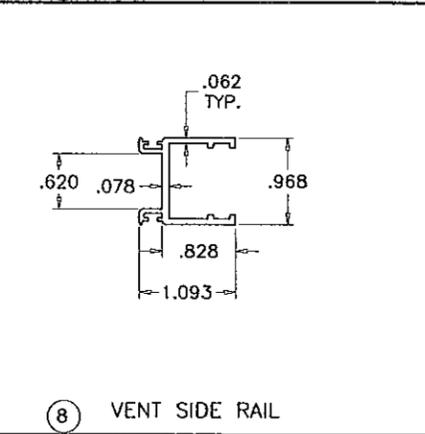


④① ANCHOR CHANNEL

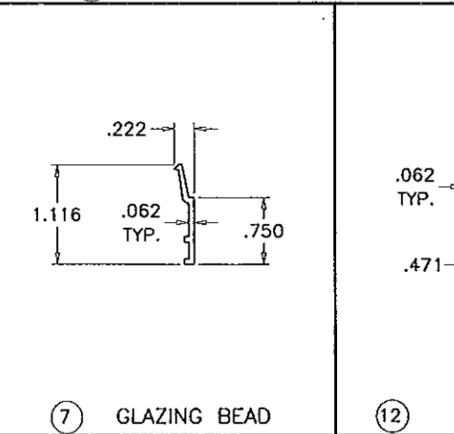
④② REINFORCING CHANNEL



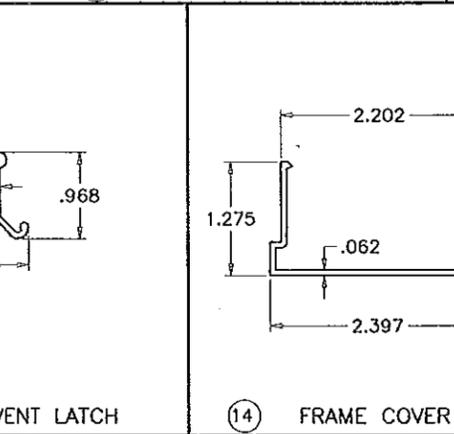
③ MEETING RAIL



⑧ VENT SIDE RAIL

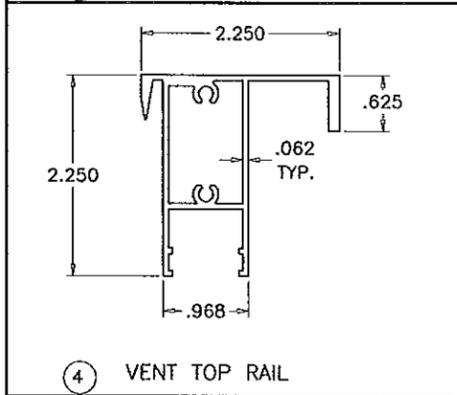


⑦ GLAZING BEAD

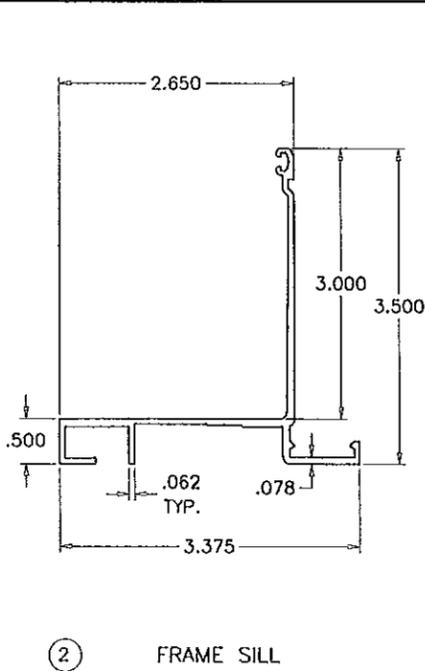


⑫ VENT LATCH

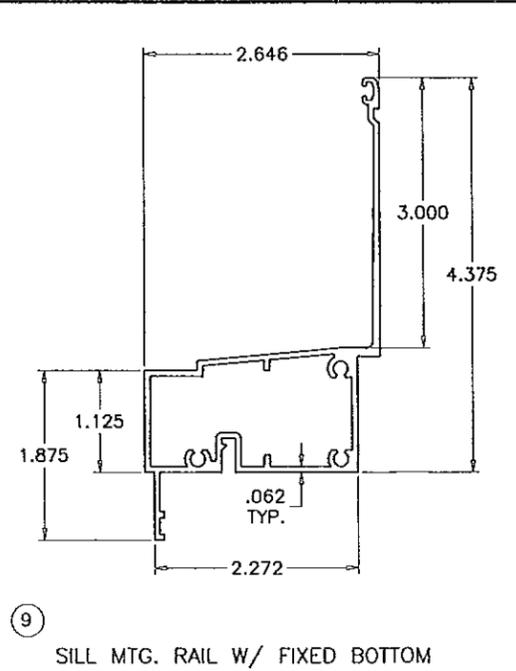
⑭ FRAME COVER



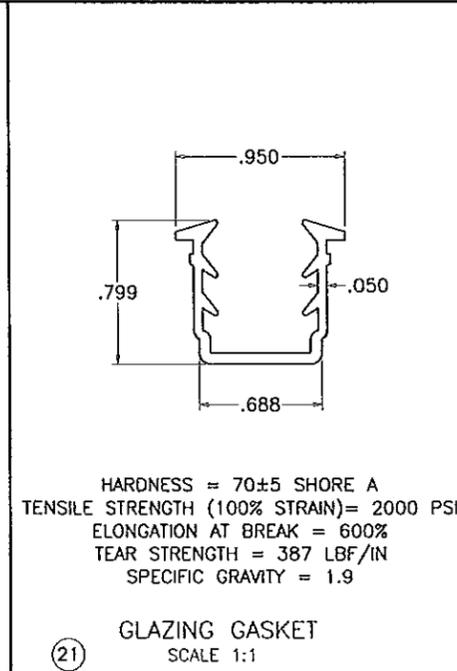
④ VENT TOP RAIL



② FRAME SILL

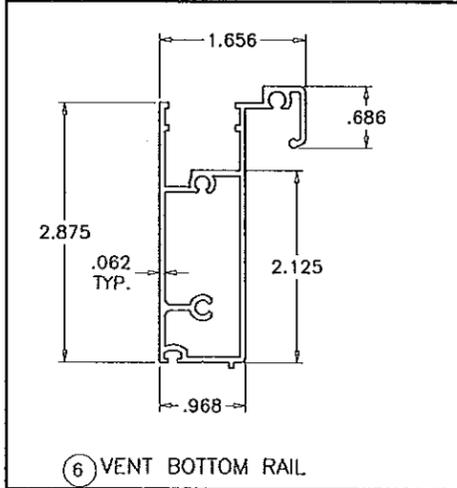


⑨ SILL MTG. RAIL W/ FIXED BOTTOM



⑳ GLAZING GASKET

HARDNESS = 70±5 SHORE A
 TENSILE STRENGTH (100% STRAIN) = 2000 PSI
 ELONGATION AT BREAK = 600%
 TEAR STRENGTH = 387 LBF/IN
 SPECIFIC GRAVITY = 1.9



⑥ VENT BOTTOM RAIL

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0806.04
 Expiration Date 07/26/2017
 By: *[Signature]*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

[Signature]

NOV 14 2012

af
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	07.23.12	NO CHANGE THIS SHEET
B	11.07.12	REV. PER RER COMMENTS

date: 03-26-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-24
 sheet 10 of 10