



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

R. C. Aluminum Industries, Inc.
2805 N.W. 75 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 "SH075" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W09-61**, titled Series "SH075 Aluminum Single Hung Window (LMI)", sheets 1 through 6 of 6, dated 12/17/09 with revision "A" dated 04/21/10, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
4/28/10

NOA No. 10-0209.04
Expiration Date: May 19, 2015
Approval Date: May 19, 2010

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W09-61**, titled Series "SH075 Aluminum Single Hung Window (LMI)", sheets 1 through 6 of 6, dated 12/17/09 with revision "A" dated 04/21/10, 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) 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, TAS 202-94
along with marked-up drawings and installation diagram of single hung, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6117**, dated 12/02/09, signed and sealed by Michael R. Wenzel, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 12/11/09, signed, sealed and dated 04/23/10 by Javad Ahmad, P. E.
Complies with ASTM E1300-98/ 04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 11, 2009, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL-6117**, issued by Fenestration Testing Laboratory, Inc., dated December 09, 2009, signed and sealed by Michael R. Wenzel, P. E.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 10-0209.04
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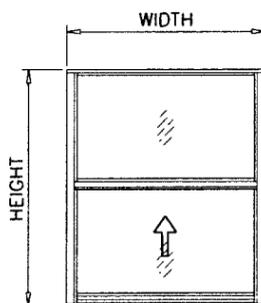
EQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26" (4)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	38-3/8" (5)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	50-5/8" (7)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	58" (7)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	63" (7)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	76" (9)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0

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

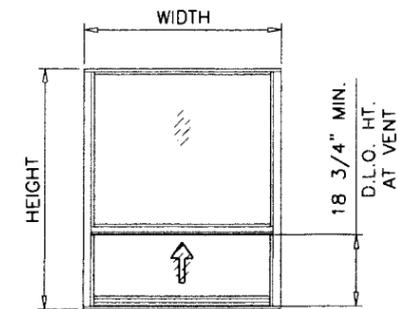
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

UNEQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	38-3/8" (5)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	50-5/8" (6)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	58" (7)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	63" (7)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"	76" (9)	70.0	70.0
24"		70.0	70.0
26-1/2"		70.0	70.0
30"		70.0	70.0
37"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0

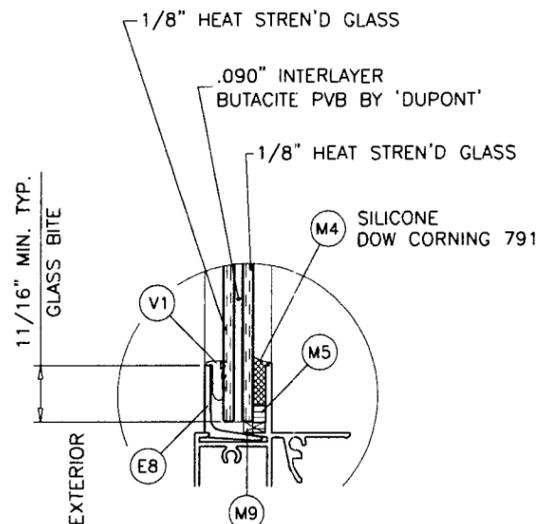
* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



EQUAL LITES



UNEQUAL LITES (ORIEL TYPE)



5/16" OVERALL LAM. GLASS
GLAZING DETAIL

SH075 ALUMINUM SINGLE HUNG WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

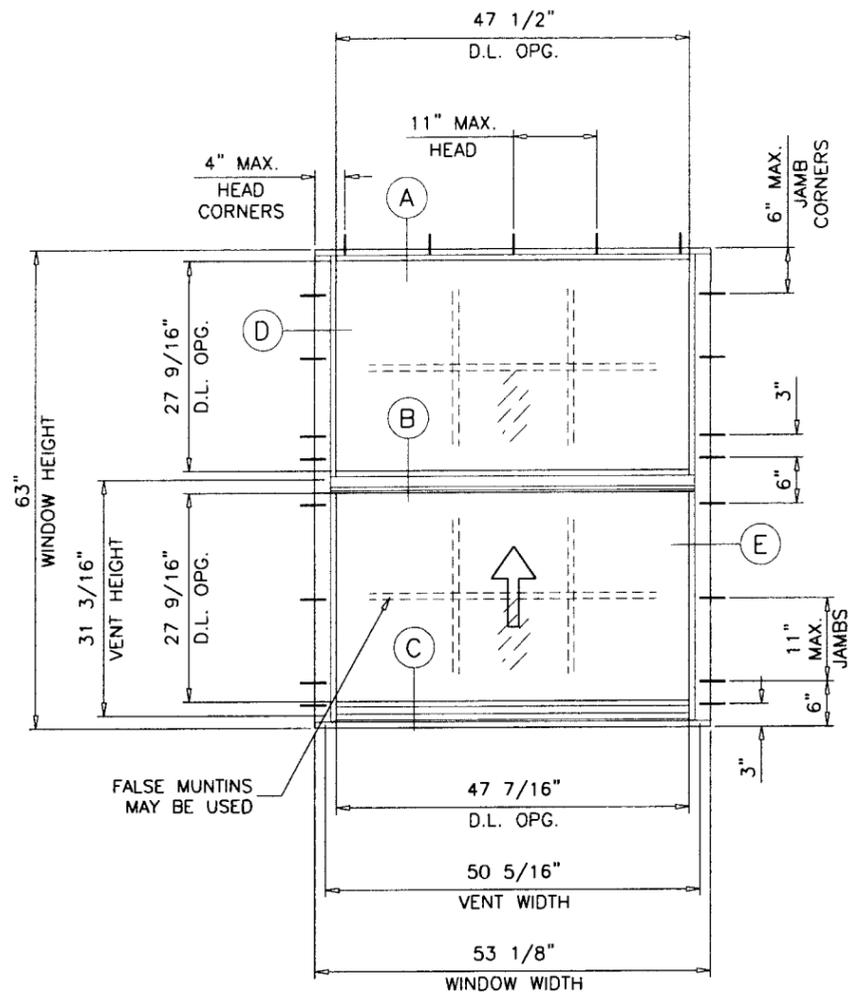
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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

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



TYPICAL ELEVATION
TESTED UNIT

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

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

APR 23 2010

Approved as complying with the
Florida Building Code
Date: 05/19/2010
NOA# 10-0209-04
Miami Dade Product Control
Division
By: [Signature]

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W09-61RC

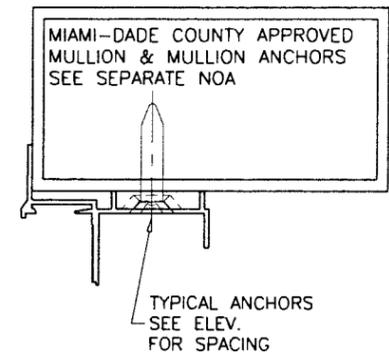
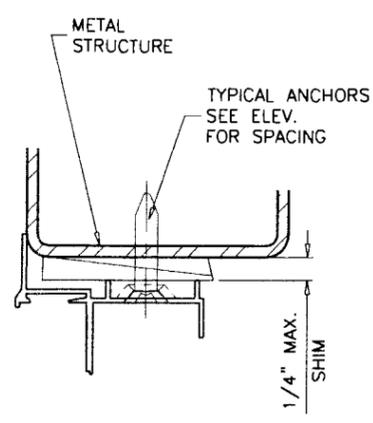
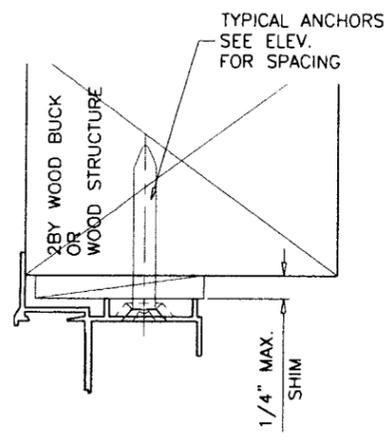
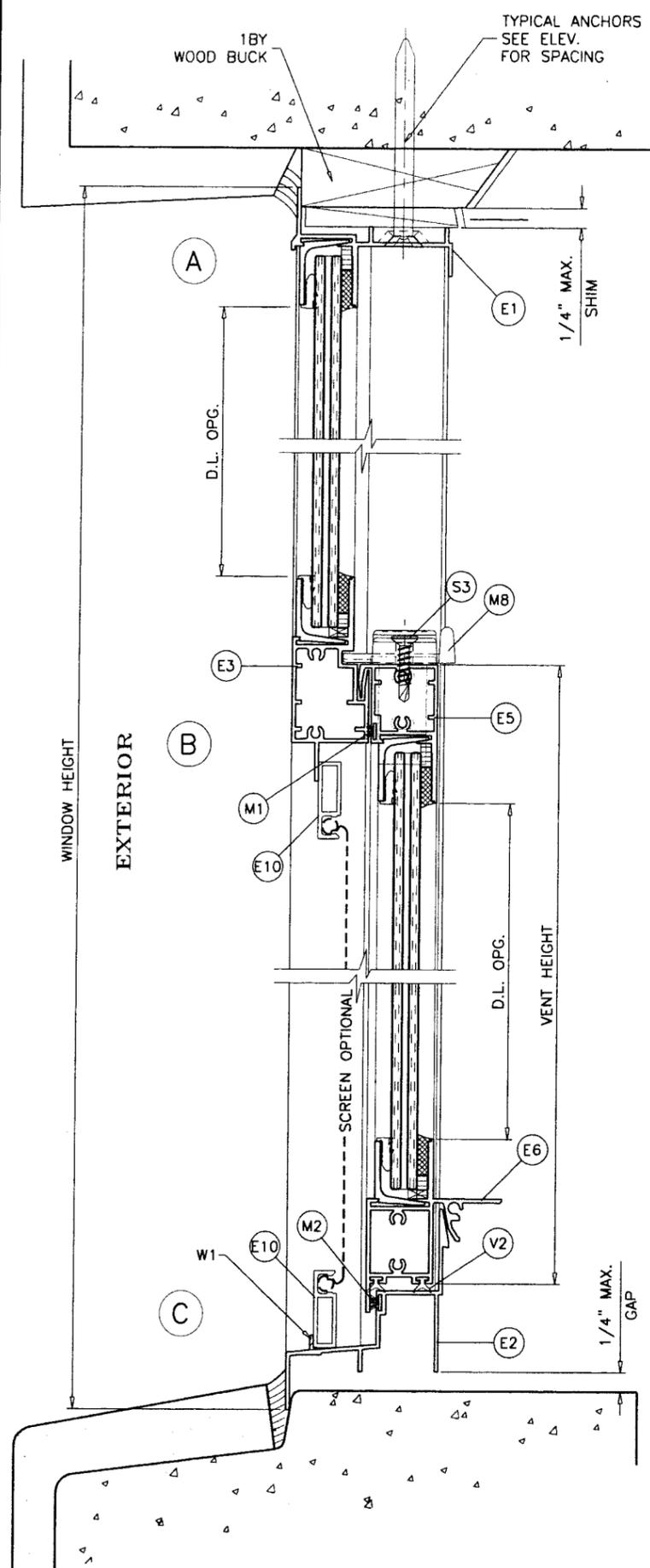


SH075 ALUM SINGLE HUNG WINDOW (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	by	description
A	04.21.10	REV. PER BCCO COMMENTS	

date: 12-17-09
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W09-61
sheet 1 of 4



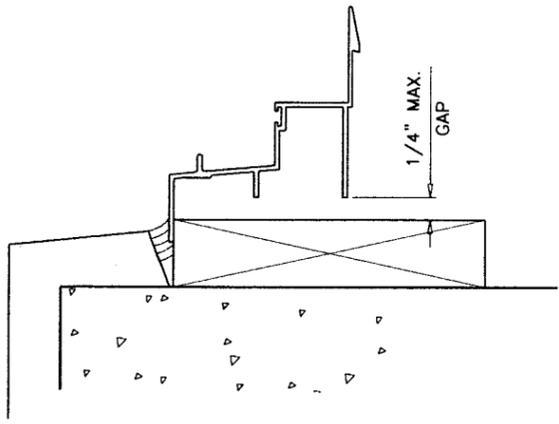
WOOD BUCKS AND METAL STRUCTURE NOT BY RC ALUMINUM MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
1/4" HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 1-3/4" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1" MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANT:
 ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH SILICONE.

WEEPHOLES:
 W1 = 2-3/16" WEEP NOTCH AT EACH END



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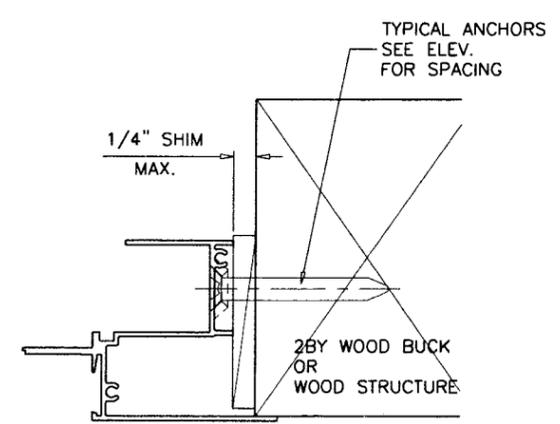
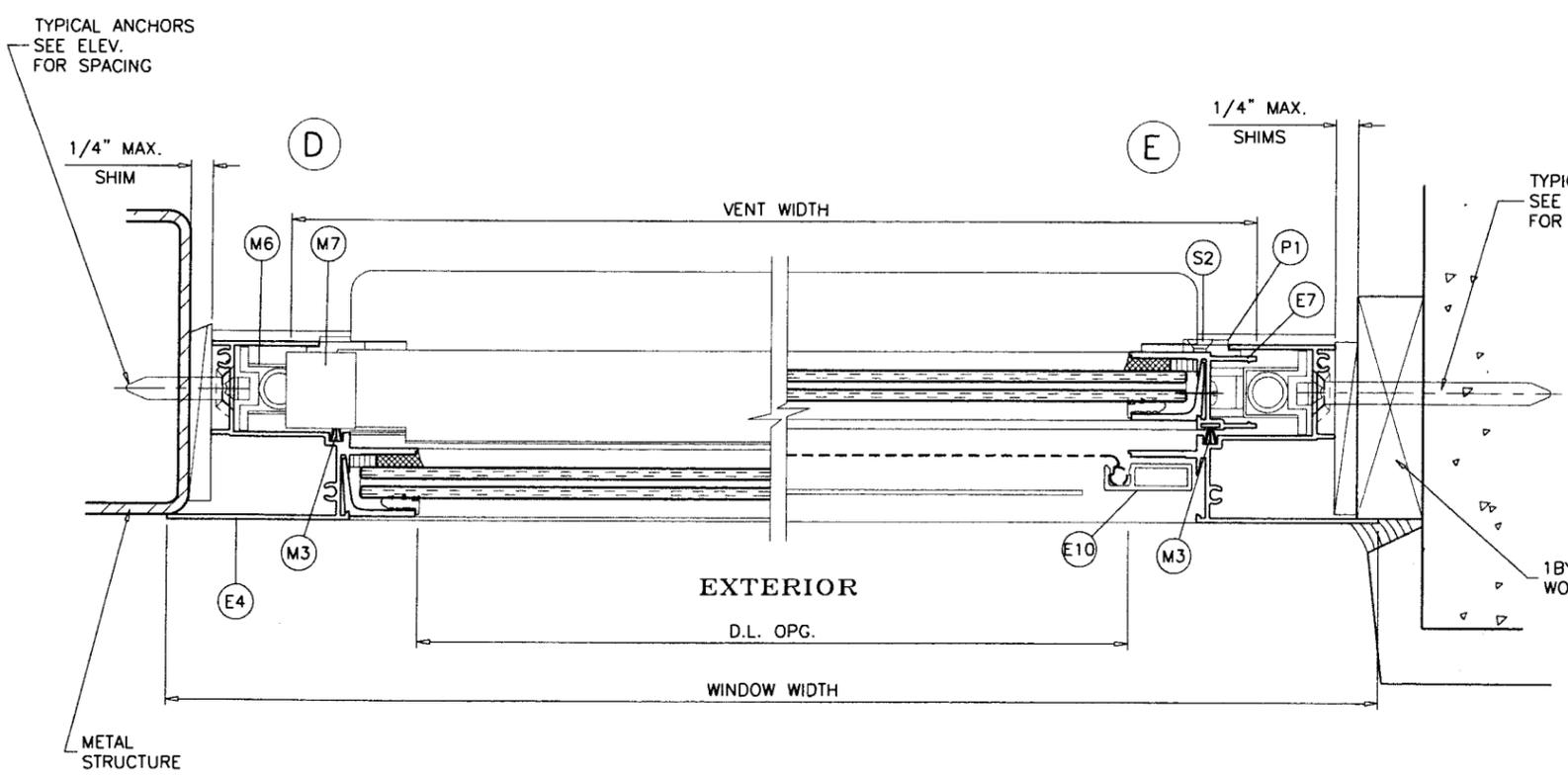
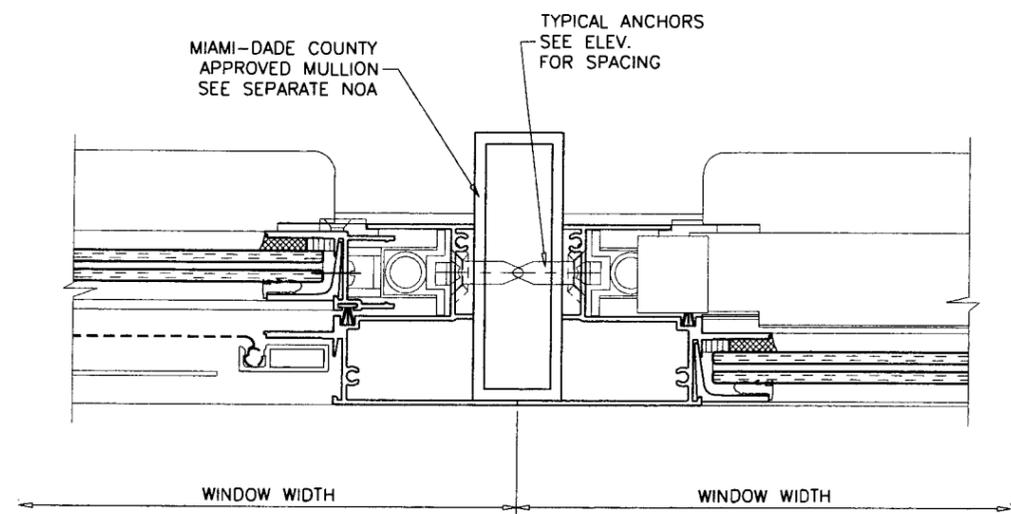
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP - ANL W09 - 61 RC

SH075 ALUM SINGLE HUNG WINDOW (L.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	04.21.10	NO CHANGE THIS SHEET

revisions:
 date: 12-17-09
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. W09-61
 sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	SH075-006	1	FRAME HEAD	6063-T6	-
E2	SH075-001	1	FRAME SILL	6063-T6	-
E3	SH075-004	1	FIX. MEETING RAIL	6063-T6	-
E4	SH075-007	2	FRAME JAMBS	6063-T6	-
E5	SH075-003	1	VENT TOP RAIL	6063-T6	-
E6	SH075-002	1	VENT BOTTOM RAIL	6063-T6	-
E7	SH075-005	2	VENT JAMB STILE	6063-T6	-
E8	SH075-008	4/ LITE	7/16" GLASS STOP	6063-T6	-
E9	500Y-026	OPTIONAL	EXTRUDE FRAME SCREEN	ALUMINUM	-
E10	500Y-030	OPTIONAL	SCREEN CORNER LOCK	-	-
V1	V-100	AS REQD.	OUTSIDE WEDGE	-	65 DUROMETER ±5
V2	V-099	AS REQD.	"V" GASKET FOR BOTTOM VENT	-	65 DUROMETER ±5
M1	W31141NK	AS REQD.	WEATHER STRIPPING PILE @ MEETING RAIL	-	-
M2	W31201NK	AS REQD.	WEATHER STRIPPING PILE	-	-
M3	W31291NK	AS REQD.	WEATHER STRIPPING PILE	-	-
M4	DC-791	AS REQD.	SILICONE	-	DOW CORNING
M5	V-2100	AS REQD.	3/16" x 5/16" SINGLE PACE TAPE	-	NORTON
M6	100 SERIES	2	SIDE LOAD BLOCK & TACKLE:	-	-
-	-	2	TOP GUIDE #104	NYLON	-
-	-	2	BOTTOM GUIDE #110	NYLON	-
-	-	-	TERMINAL CHIP #135	-	-
-	-	-	TAKE OUT CLIP #121	-	-
M7	X100-236	-	SASH CAM FOR BLOCK & TACKLE BALANCE	-	-
M8	SL 208WHR	-	SASH LOCK FOR MEETING RAIL	-	AT 8-1/2" FROM EACH END
M9	-	-	1/8" x 1/8" x 4" LG SETTING BLOCK	EPDM	-
P1	P-053	-	VENT GUIDE	PLASTIC	-
S1	-	AS REQD.	ASSEMBLY SCREWS (#6 x 1" LG PH. SMS)	ST/ST	-
S2	-	-	#6 x 3/8" LG FH. SMS	ST/ST	-
S3	-	2/ LOCK	#6 x 3/4" LG FH. SMS	ST/ST	CAM LOCK MOUNTING SCREWS

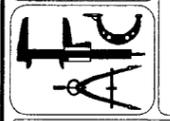


Engr: JAVAD AHMAD
 CIVIL
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 C.A.N. 3538

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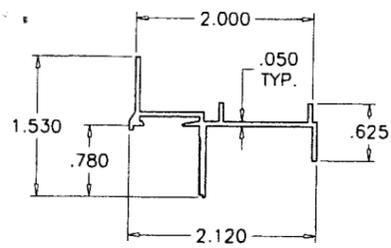
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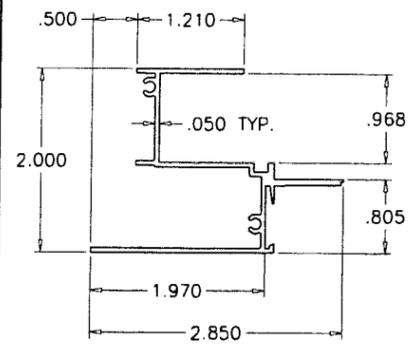
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no	date	by	description
A	04.21.10	REV. PER BCCO COMMENTS	

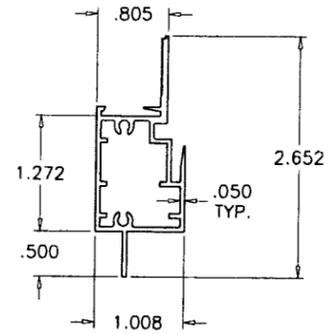
date: 12-17-09	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W09-61			
sheet 3 of 4			



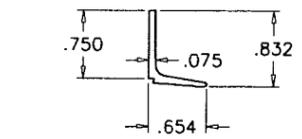
FRAME HEAD



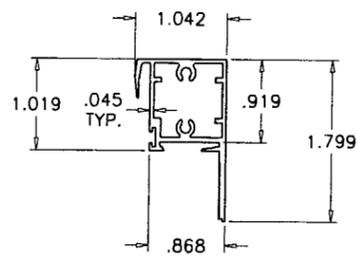
FRAME JAMB



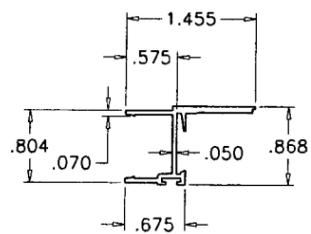
MEETING RAIL



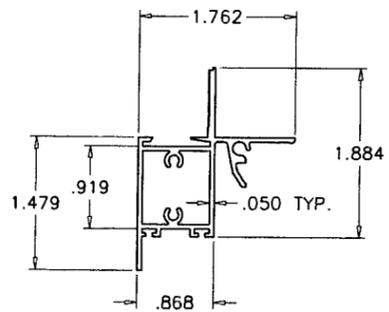
GLAZING BEAD



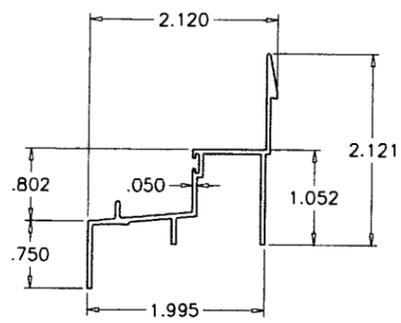
VENT TOP RAIL



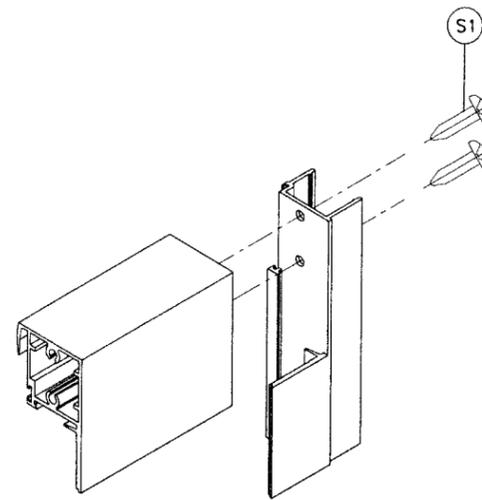
VENT SIDE RAIL



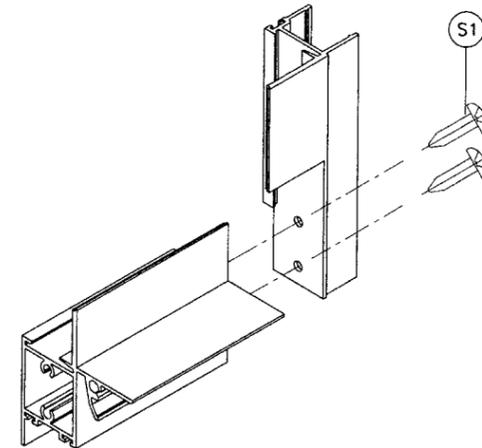
VENT BOTTOM RAIL



FRAME SILL



VENT CORNER DETAIL



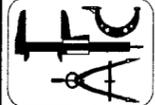
FRAME CORNERS DETAIL

Engr: JAVAD AHMAD
 CIVIL
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JA
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 Division
 By *[Signature]*

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 ENGINEERS & PRODUCT DEVELOPMENT
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 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP - ANL \ W09 - 61RC



SH075 ALUM SINGLE HUNG WINDOW (L.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	04.21.10		REV. PER BCCO COMMENTS

revisions:
 date: 12-17-09
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W09-61