



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**R.C. Aluminum Industries, Inc.**  
2805 NW 75<sup>th</sup> 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 and accepted by Miami-Dade County PERA - 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. PERA 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 "HR 075" Aluminum Horizontal Sliding Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W11-42**, titled "HR075 Alum Horiz. Sliding Wdw (L.M.I.)", sheets 1 through 6 of 6, dated 07/25/11, 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 Section.

**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, 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 consists of this page 1, Evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-1129.03  
Expiration Date: February 16, 2017  
Approval Date: February 16, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W11-42**, titled "HR075 Alum Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 07/25/11, 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, and TAS 202-94along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6437**, dated 05/19/11, signed and sealed by Marlin D. Brinson, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, dated 07/21/11, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

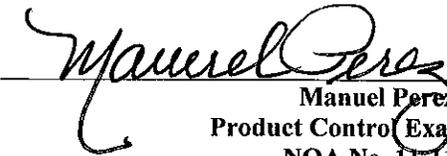
1. Notice of Acceptance No. **10-0922.09** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.

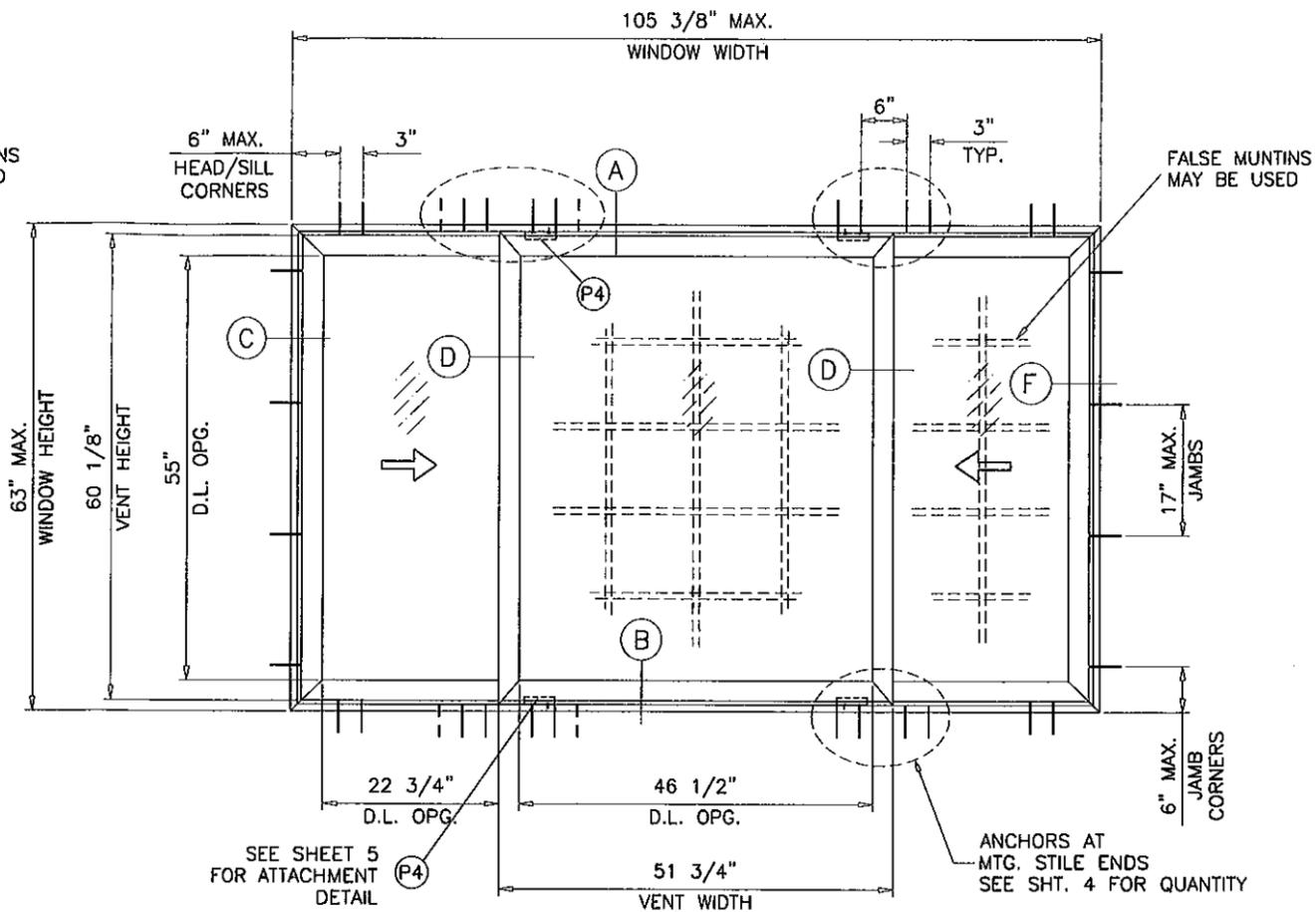
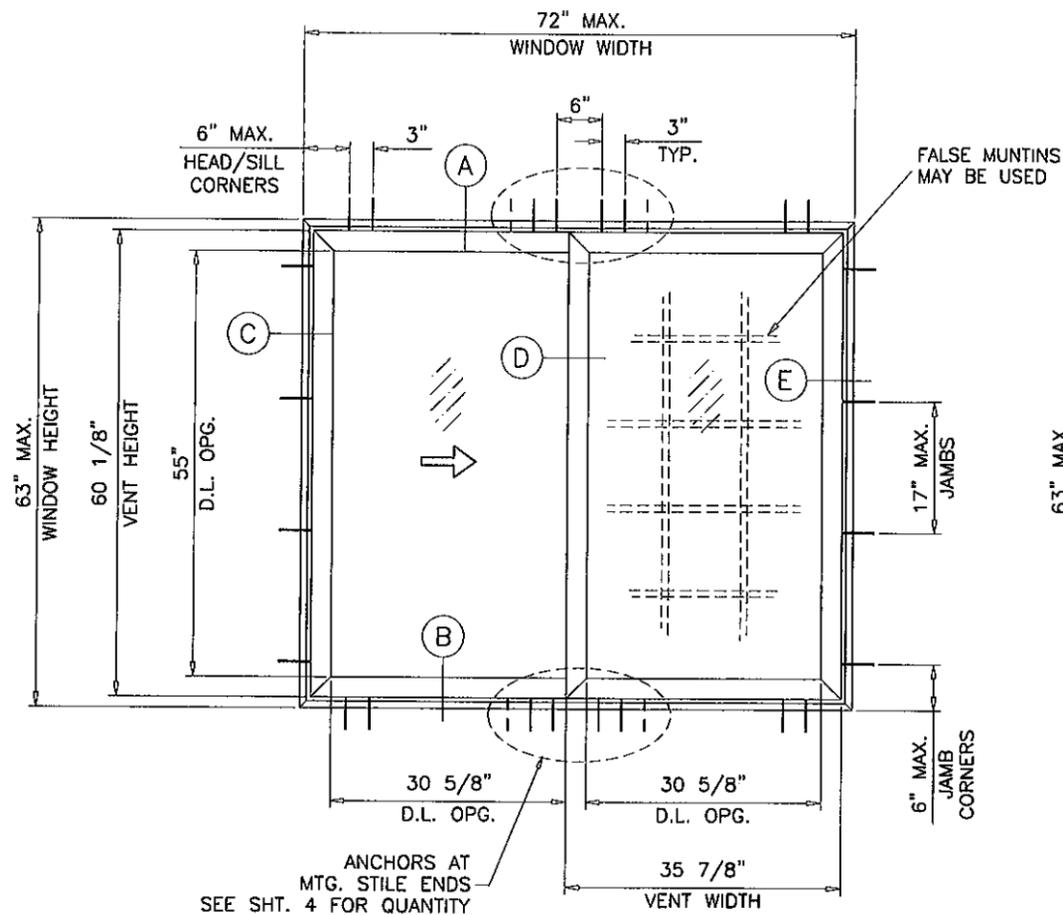
**F. STATEMENTS**

1. Statement letter of conformance, complying with the FBC-2010, and of no financial interest, dated September 21, 2011, signed and sealed by Javad Ahmad, P.E.
2. Proposal # **11-0015** issued by BNC to R.C. Aluminum Industries, Inc., dated 01/24/11 and revised on 02/02/11, signed by Manuel Perez, P.E., Product Control Examiner, Product Control Section.

**G. OTHER**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-1129.03  
Expiration Date: February 16, 2017  
Approval Date: February 16, 2012



TYPICAL ELEVATIONS

**HR075 ALUM HORIZ. SLIDING WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING 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 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 THE FLORIDA BLDG. CODE SECTION 2003.8.4.

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

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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1129.03  
Expiration Date FEB. 16, 2017

FEB 09 2012

By: *Manuel Perez*  
Miami Dade Product Control

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W11-42RC

HR075 ALUM HORIZ. SLIDING WDW. (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

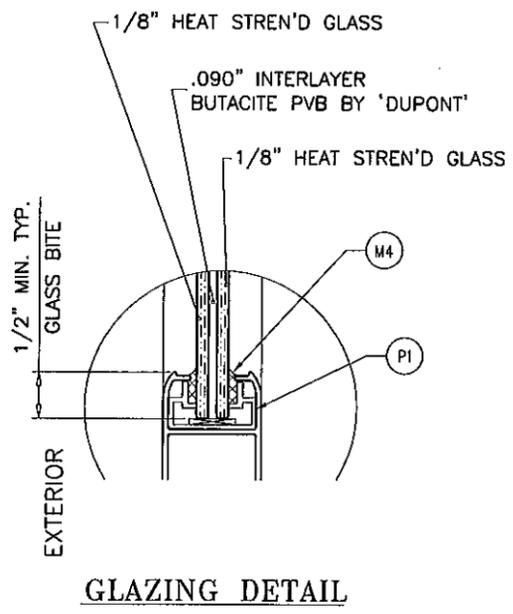
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date: 07-25-11  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W11-42**

sheet 1 of 6

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HR075-001	4	FRAME HEAD/ SILL/ JAMBS.	6063-T6	-
E2	HR075-003	4	VENT HEAD/ SILL/ JAMBS	6063-T6	-
E3	HR075-004	1/ VENT	VENT CONNECTOR	6063-T6	-
E4	HR075-009	1	SILL SCREEN & WATER RAISE ADAPTOR	6063-T6	-
E5	HR075-011	1/ FIX. VENT	VERTICAL SNAP STOP FOR FIXED PANEL	6063-T6	-
E6	HR075-007	1/ CORNER	FRAME CORNER LOCK.	6063-T6	-
E7	HR075-008	2/ CORNER	VENT CORNER LOCK.	6063-T6	-
P1	P-058	4/ LITE	GLAZING ADAPTOR	PVC	-
P2	P-059	1/ FIX. VENT	FIXED PANEL SETTING BLOCK, 1-5/8" LONG	-	AT 6" FROM EACH END
P3	P-057	2/ FIX. VENT	FIXED PANEL SECURITY DEVICE	-	AT VENT CORNERS
P4	-	4	3/4" X 1" X 1/16" ALUM ANGLE 4" LONG	6063-T6	AT MITG. RAIL OF FIXED LITES (XO 1/3 2/3) & (XOX 1/4 1/2 1/4)
M1	W31425NK	AS REQD.	PILE WITH FIN WEATHER STRIPPING	WOOL	-
M2		2/ VENT	WHEEL RETAINER HOUSING & NYLON ROLLER	-	AT 3-3/4" FROM ENDS
M3		2/ LITE	1/16" x 1/2" x 4" LG. SETTING BLOCK	EPDM	-
M4	DOW- 795	-	BLACK SILICONE FOR GLAZING	-	-
S1		-	5/16" DIA. - 18 X 1/2" LG. SET SOCKET HEAD SCREW	-	-
S3		-	#10- 1/2" LG. P. HEAD ST/ST FOR E5 & P3	-	-
S4		AS REQD.	5/32" DIA. X 1/2" LG. TAP RIVET SCREW	-	AT 3" FROM ENDS AND 12" O.C.
S5	#10 X 1-1/4"	AS REQD.	VENT STOP FASTENERS	-	PH SELF DRILLING SCREWS
S6	#10 X 1-1/4"	2/ ANGLE	CLIP INSTALLATION FASTENERS	-	PH SELF DRILLING SCREWS
H1	CR0220	1/ VENT	EXTERIOR MULTI-POINT HANDLE	-	-
H2	CB400	1/ VENT	MULTIPOINT FLUSH HANDLE	-	-
H3	KT313 AC	1/ VENT	STAINLESS STEEL MULTIPOINT LOCK SYSTEM 400MM	-	-



**LOCKS:**

SURFACE MOUNT TWO POINT LOCK SYSTEM WITH LEVER HANDLE  
 AT 30" FROM BOTTOM, FASTENED WITH  
 (2) #10-32 X 1-3/16" FH MS AND  
 (4) #10 X 1" FH SMS  
  
 (2) SURFACE MOUNT METALLIC KEEPERS FASTENED WITH  
 (2) #10 X 1" FH SMS

**SEALANT:**

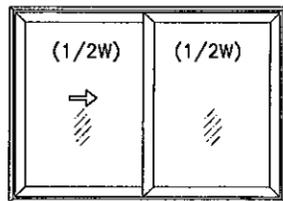
ALL FRAME AND VENT CORNERS AND INSTALLATION  
 SCREWS SEALED WITH SILICONE.

Engr. JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 FEB 09 2012

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-1129.03  
 Expiration Date FEB 16, 2017  
 By Manuel Jara  
 Miami Dade Product Control

revisions:	no	date	by	description
date:	07-25-11	scale:	1/2" = 1"	dr. by: HAMID
chk. by:				
drawing no. <b>W11-42</b>				
sheet 2 of 6				

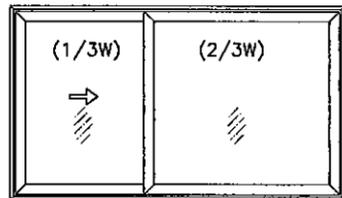
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
26-1/2"	26"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	38-3/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	50-5/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	63"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
72"		80.0	80.0
24"	24"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
72"		80.0	80.0
24"	36"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
72"		80.0	80.0
24"	48"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
72"		80.0	80.0
24"	60"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
72"		80.0	80.0
24"	63"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0



OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH

'XO OR OX'

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
55-1/2"	26"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"	38-3/8"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"	50-5/8"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"	63"	80.0	80.0
79-11/16"		80.0	80.0
81"		80.0	80.0
63"	36"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
63"	48"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
63"	60"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
63"	63"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0

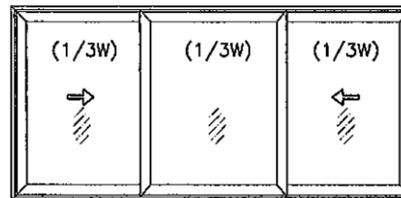


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XO OR OX'

NOTE:  
FOR INSTALLATION OF THIS UNIT USE  
1/4" KWIK-CON WITH 3/8" SHIM TO WOOD & MASONRY  
OR #14 SMS WITH 1/4" SHIM TO METAL.

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"	38-3/8"	80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"	63"	80.0	80.0
106-1/4"		80.0	80.0
108"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	48"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	60"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	63"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
105-1/4"		80.0	80.0

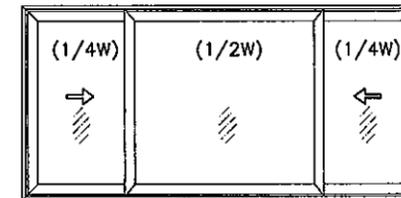


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

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

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"	38-3/8"	80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"	63"	80.0	80.0
106-1/4"		80.0	80.0
108"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	48"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	60"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
84"	63"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
105-1/4"		80.0	80.0

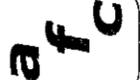


OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
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TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W11-42RC

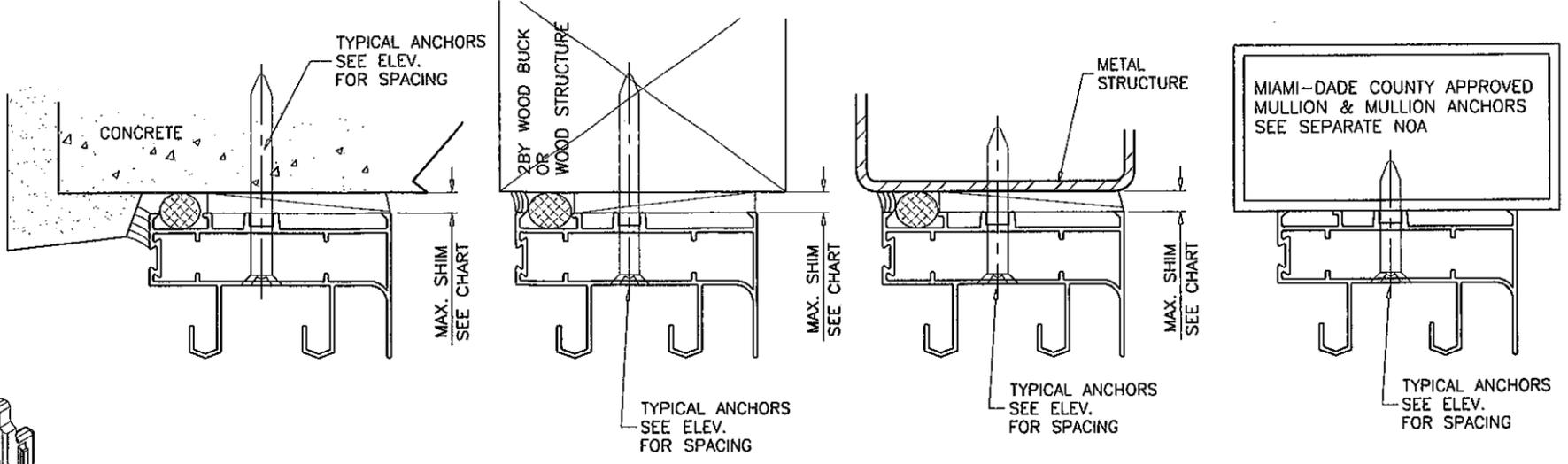
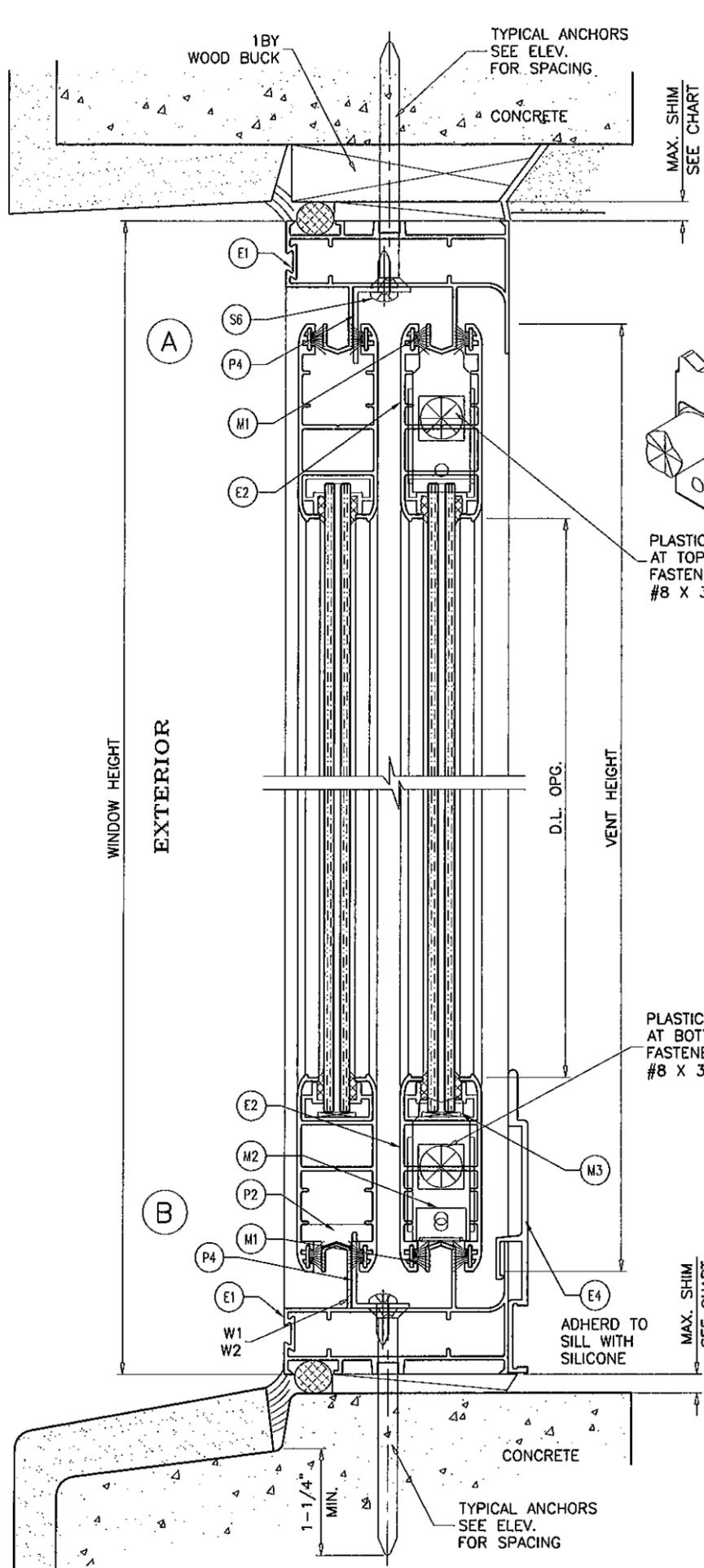
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HR075 ALUM HORIZ. SLIDING WDW. (L.M.I.)  
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date: 07-25-11  
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drawing no.  
**W11-42**  
sheet 3 of 6

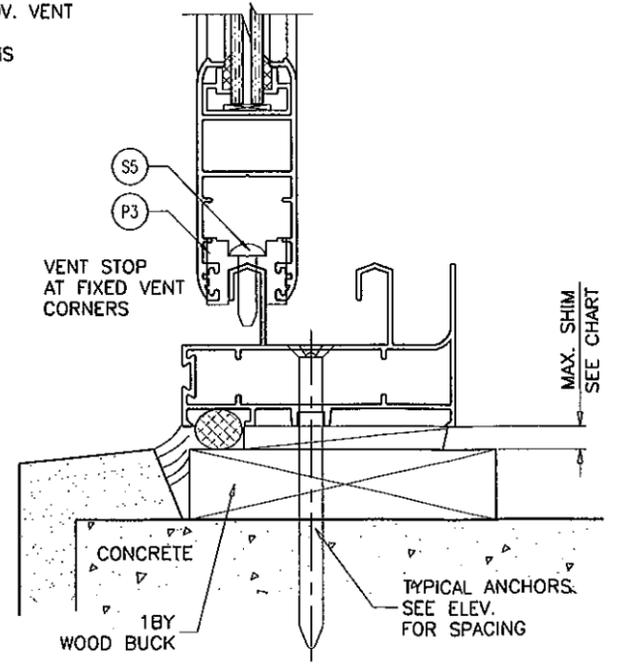


**TYPICAL ANCHORS: SEE ELEV. FOR SPACING**

ANCHORS TYPE	SUBSTRATE	MIN. EMBED.	MIN. EDGE DIST.	MAX. SHIM SPACE		NO. OF ANCHORS AT MTG. STILE ENDS
				AT HEAD/SILL	AT JAMBS	
1/4" DIA. TAPCONS BY 'ITW' (Fu=120 KSI, Fy=92 KSI)	WOOD	1-3/8"	1"	3/8"	1/4"	6 Δ
	MASONRY	1-1/4"	2-1/2"	N.A.	1/4"	N.A.
	CONCRETE	1-1/4"	2-1/2"	3/8"	1/4"	6 Δ
1/4" DIA. ULTRACONS BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)	WOOD	1-3/8"	1"	3/8"	1/4"	4
	MASONRY	1-1/4"	2-1/2"	N.A.	1/4"	N.A.
	CONCRETE	1-1/4"	2-1/2"	3/8"	1/4"	4
1/4" DIA. KWIK-CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)	WOOD	1-3/8"	1"	5/8"	3/8"	4
	MASONRY	1-1/4"	2-1/2"	N.A.	3/8"	N.A.
	CONCRETE	1-1/4"	2-1/2"	5/8"	3/8"	4
#14 SMS (GRADE 2 CRS)	METAL	1/8"	3/4"	1/4"	1/4"	4

WOOD = 2BY WOOD BUCKS OR WOOD STRUCTURE S.G. = 0.55 MIN.  
 MASONRY = C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.  
 CONCRETE = f'c = 3000 PSI MIN.  
 METAL = 1/8" MIN. THK. STEEL Fy = 36 KSI MIN.  
 MIAMI-DADE COUNTY APPROVED MULLION 1/8" MIN. THK.

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY R.C. ALUM MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO BUILDING STRUCTURE.



- WEEPHOLES:**
- W1 = 1/4" X 1" WEEP HOLES WITH PLASTIC BAFFLE (2) AT VENT LOCATION AT 5" FROM VENT ENDS
  - W2 = 1/4" X 1-3/16" WEEP HOLES (2) AT VENT LOCATION AT 3-1/2" FROM VENT ENDS

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

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 11-1129.03  
 Expiration Date Feb. 16, 2017

By *Muhammad*  
 Miami Dade Product Control

FEB 09 2012

**af c**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
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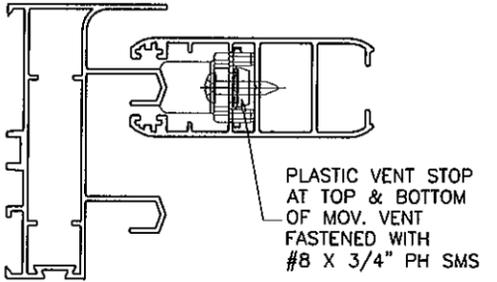
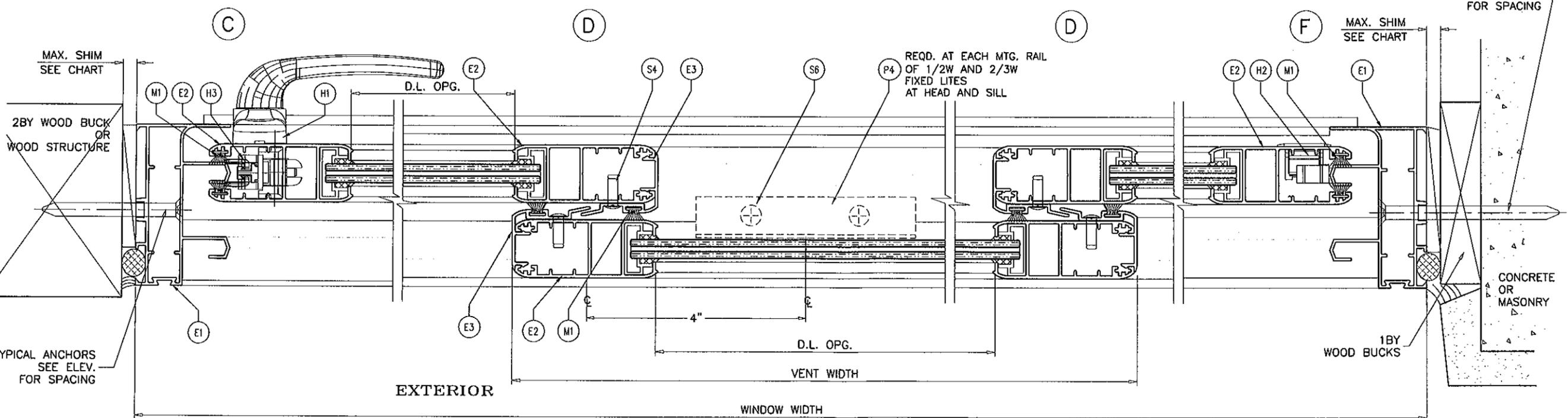
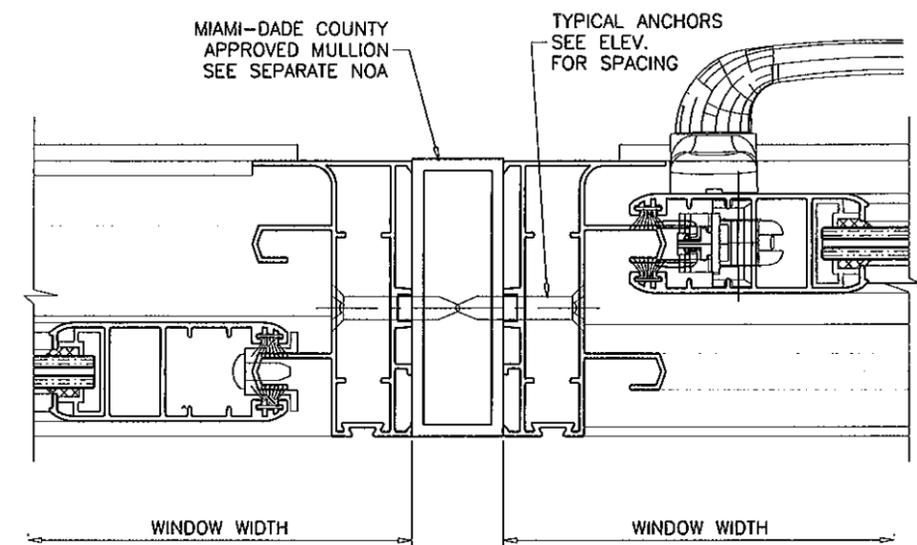
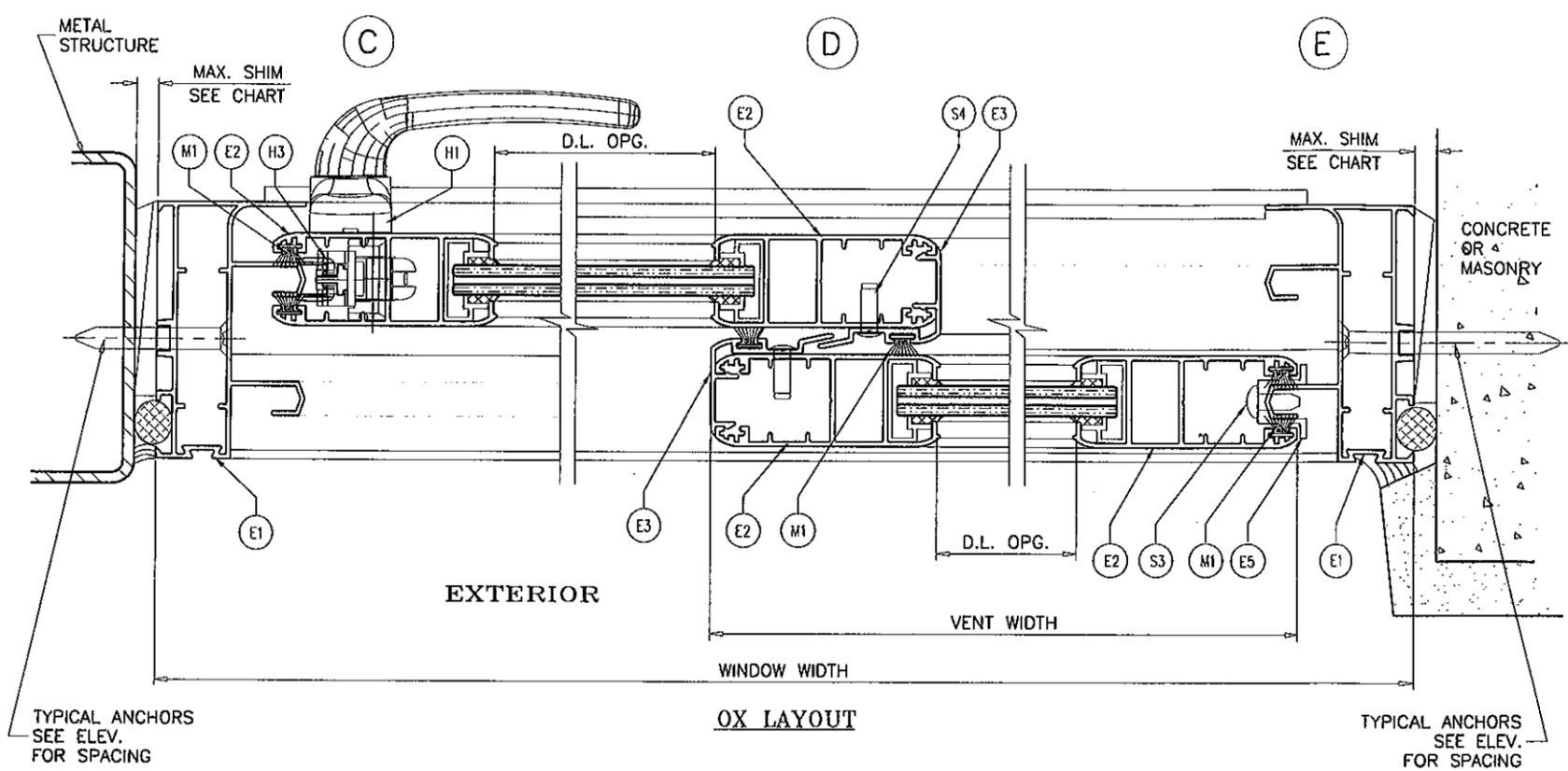
HR075 ALUM HORIZ. SLIDING WDW. (L.M.I.)

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

revisions:	no	date	by	description

date: 07-25-11  
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 dr. by: HAMID  
 chk. by:

drawing no. **W11-42**  
 sheet 4 of 6



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

FEB 09 2012

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-1129.03  
 Expiration Date FEB 16, 2017

By *Manuel Lopez*  
 Miami Dade Product Control

**af c**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
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 COMP-ANL W11-42RC

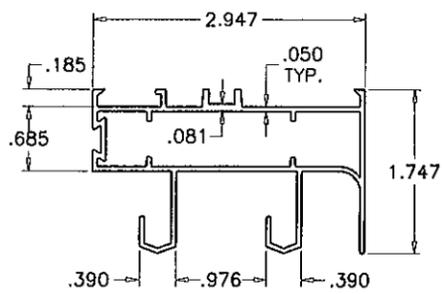
HR075 ALUM HORIZ. SLIDING WDW. (L.M.I.)  
**R.C. ALUMINUM INDUSTRIES INC.**  
 2805 N.W. 75 TH AVE.  
 MIAMI, FL. 33122  
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no	date	by description

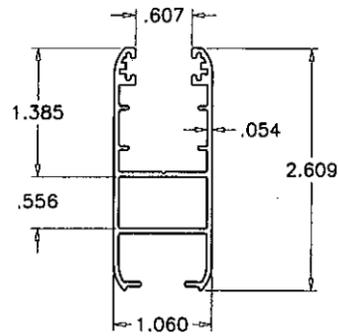
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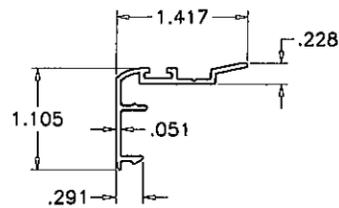
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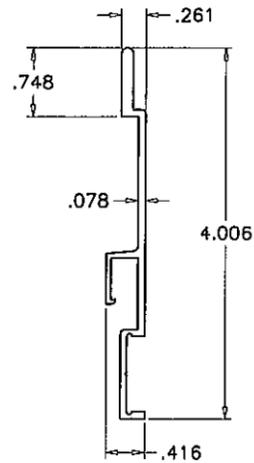
E1 FRAME HEAD/SILL/JAMBS



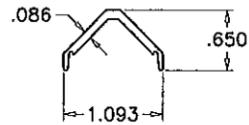
E2 VENT HEAD/SILL/JAMBS



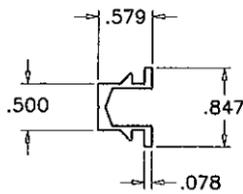
E3 VENT CONNECTOR



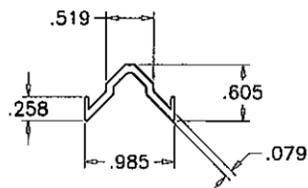
E4 SILL ADAPTOR



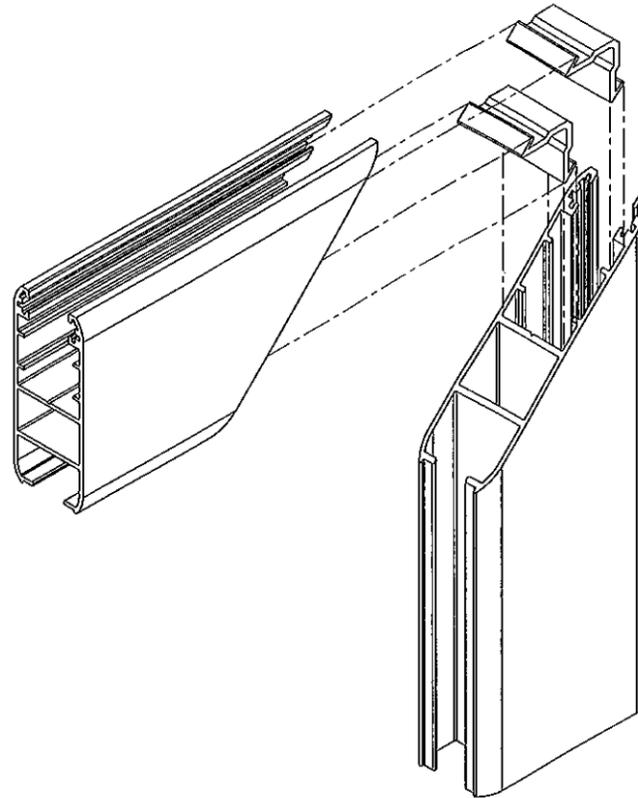
E6 FRAME CORNER LOCK



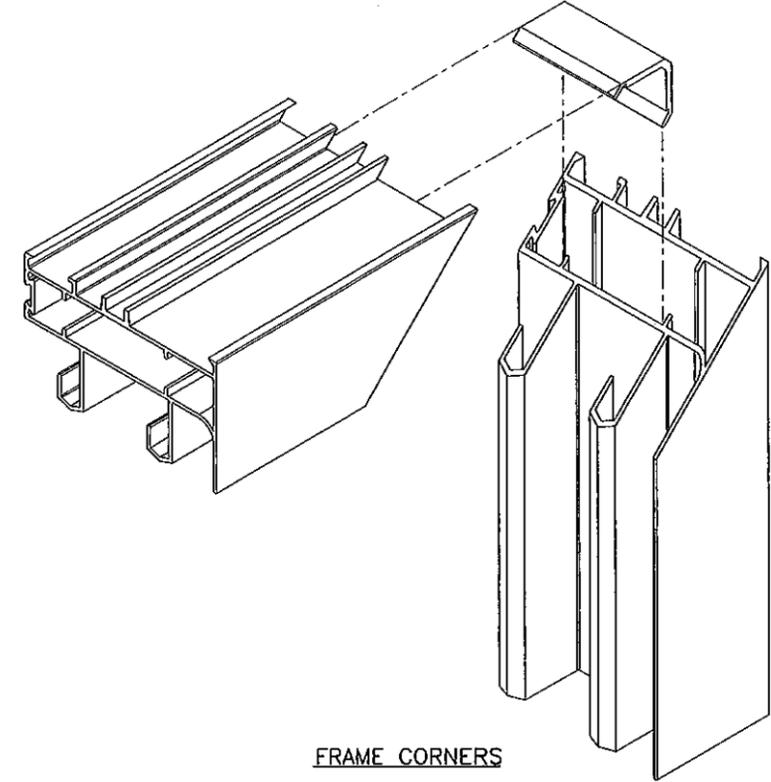
E5 VERT. VENT STOP



E7 VENT CORNER LOCK



VENT TOP/BOTTOM CORNERS



FRAME CORNERS

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sheet 6 of 6