



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 "CM075" Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W10-44**, titled "Series CM075 Aluminum Casement Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 07/06/10 with revision "A" dated 11/05/10, 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, evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
 12/17/10

NOA No. 10-0811.13
 Expiration Date: December 23, 2015
 Approval Date: December 23, 2010
 Page 1

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W10-44**, titled "Series CM075 Aluminum Casement Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 07/06/10 with revision "A" dated 11/05/10, 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 203-94along with marked-up drawings and installation diagram of casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6190**, dated 05/11/2010, signed and sealed by Jorge A. Causo, P. E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 06/30/10, signed, sealed and dated 11/18/10 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

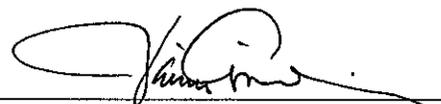
1. Notice of Acceptance No. **10-0413.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/12.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and compliance with the FBC 2007, dated April 30, 2010, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **FTL-6190**, issued by Fenestration Testing Laboratory, Inc., dated May 11, 2010, signed and sealed by Jorge A. Causo, P. E.

E. OTHERS

1. None.



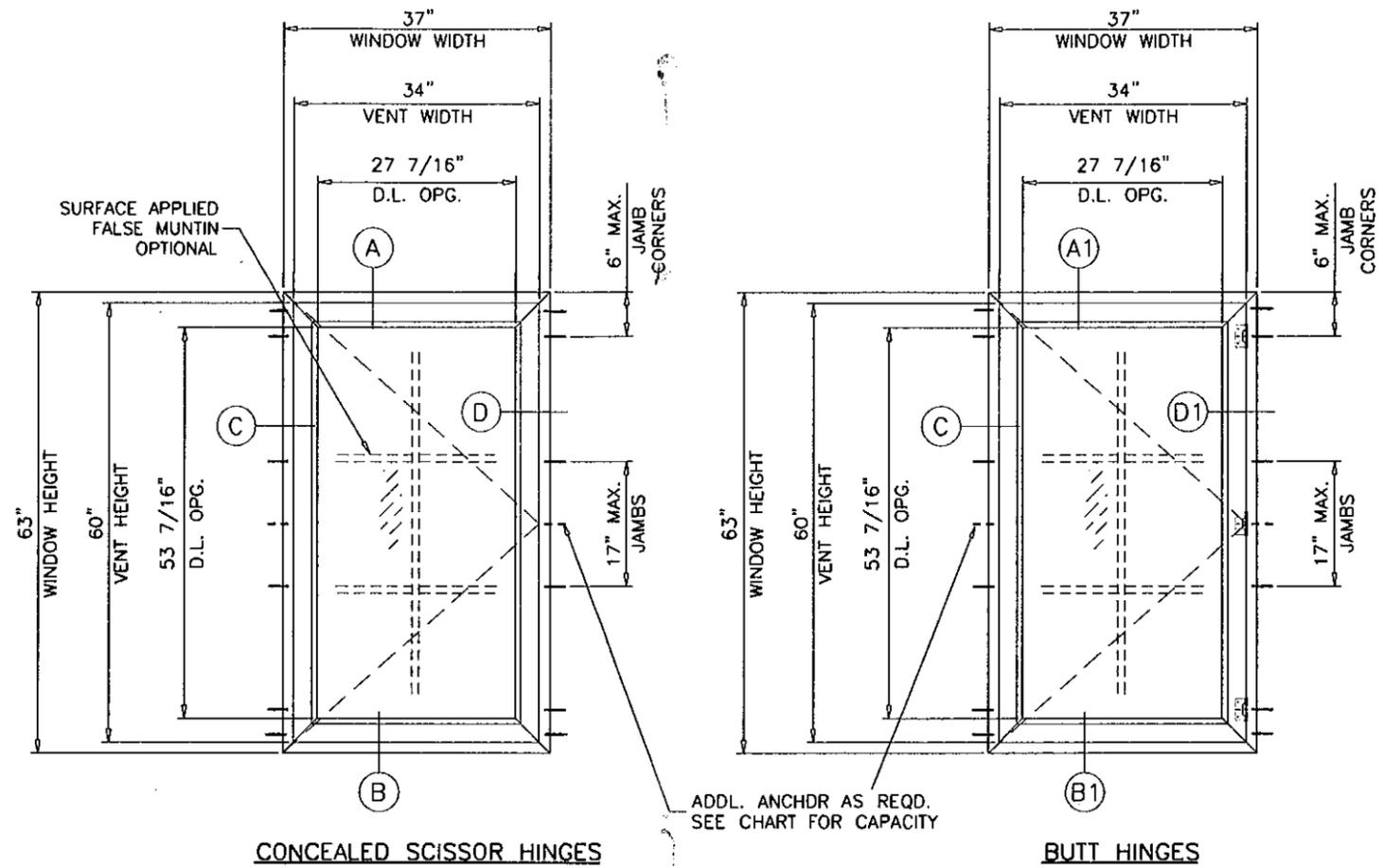
Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 10-0811.13

Expiration Date: December 23, 2015
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DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		5/16" LAM. GLASS			
WIDTH	HEIGHT	EXT.(+)	INT.(-)		
19-1/8"	38-3/8"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"		85.0	85.0		
42"		85.0	85.0		
48"		74.6	74.6	85.0 85.0 *	
53-1/8"		67.4	67.4	85.0 85.0 *	
19-1/8"	48"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"		85.0	85.0		
42"		85.0	85.0		
48"		79.5	79.5	85.0 85.0 *	
19-1/8"	50-5/8"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"		85.0	85.0		
42"		85.0	85.0		
19-1/8"	60"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"		82.5	82.5	85.0 85.0 *	
42"					
19-1/8"	63"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"		78.6	78.6	85.0 85.0 *	
42"					
19-1/8"	66"	85.0	85.0		
24"		85.0	85.0		
26-1/2"		85.0	85.0		
30"		85.0	85.0		
37"					
42"					
19-1/8"	72"	85.0	85.0		
24"		79.4	79.4		
26-1/2"		72.7	72.7		
30"		65.2	65.2		
37"					
42"					
19-1/8"	74-1/4"	85.0	85.0		
24"		72.2	72.2		
26-1/2"		66.0	66.0		
30"		59.2	59.2		
37"					
42"					

* LOADS WITH ADDL. ANCHOR AT FRAME JAMBS

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



TYPICAL ELEVATIONS

SERIES CM075 ALUMINUM CASEMENT WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT WITH OTHER MIAMI-DADE COUNTY APPR'D 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).

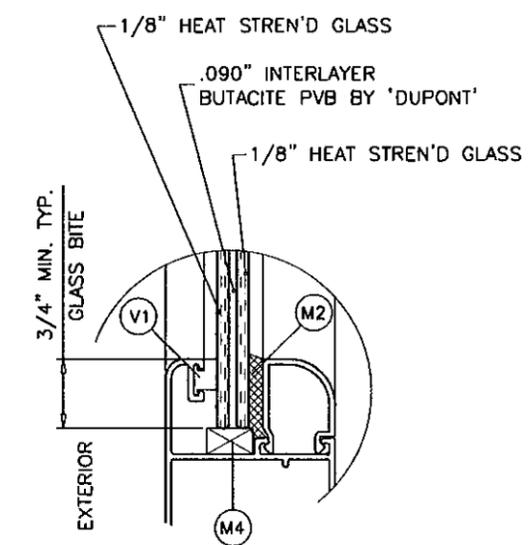
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.



GLAZING DETAIL

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

Engr: JAVAD AHMAD CIVIL
FLA. PE # 70592
C.A.N. 3538
NOV 18 2010

Approved as complying with the Florida Building Code
Date 12/23/2010
NOA# 10-0811-13
Miami Dade Product Control
Division
By: *[Signature]*

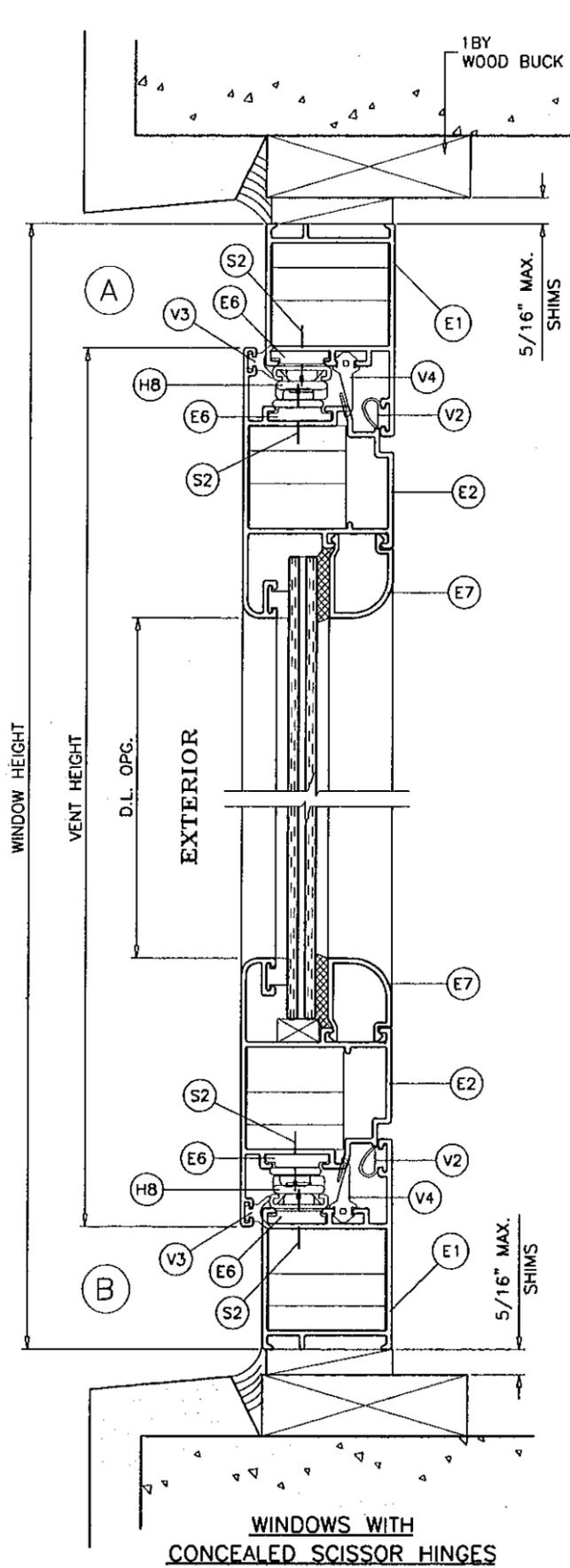
AL-FAROQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W10-44RC

SERIES CM075 ALUMINUM CASEMENT 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

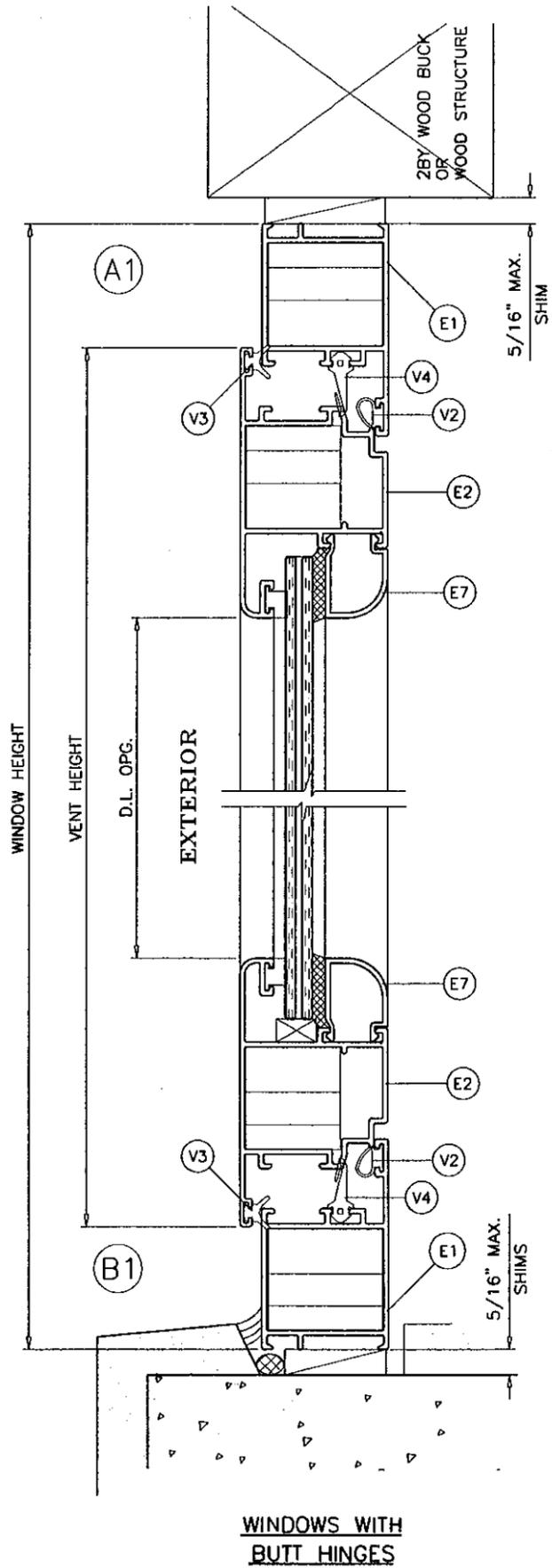
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date: 07-06-10
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dr. by: HAMID
chk. by:

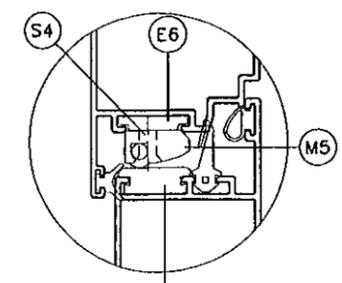
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W10-44
sheet 1 of 5



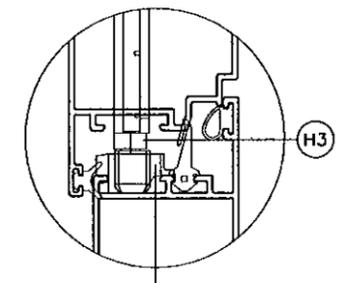
WINDOWS WITH CONCEALED SCISSOR HINGES



WINDOWS WITH BUTT HINGES



SASH LIFT DETAIL AT FRAME SILL OF WINDOWS WITH SCISSOR HINGES ONLY



LOCK KEEPER DETAIL AT HEAD & SILL OF WINDOWS WITH SCISSOR OR BUTT HINGES

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 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 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)
ANCHOR EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 ALL FRAME AND VENT CORNERS SEALED WITH SILICONE.

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 NOV 18 2010

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 NCAP 10-081113
 Miami Dade Product Control Division
 By: [Signature]

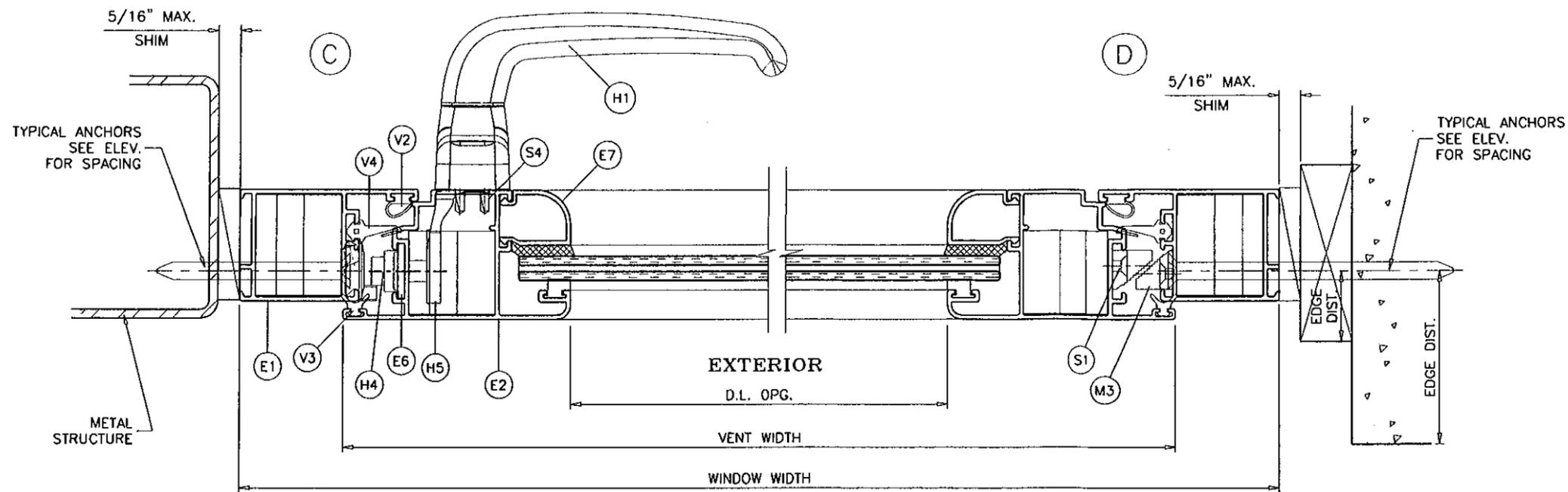
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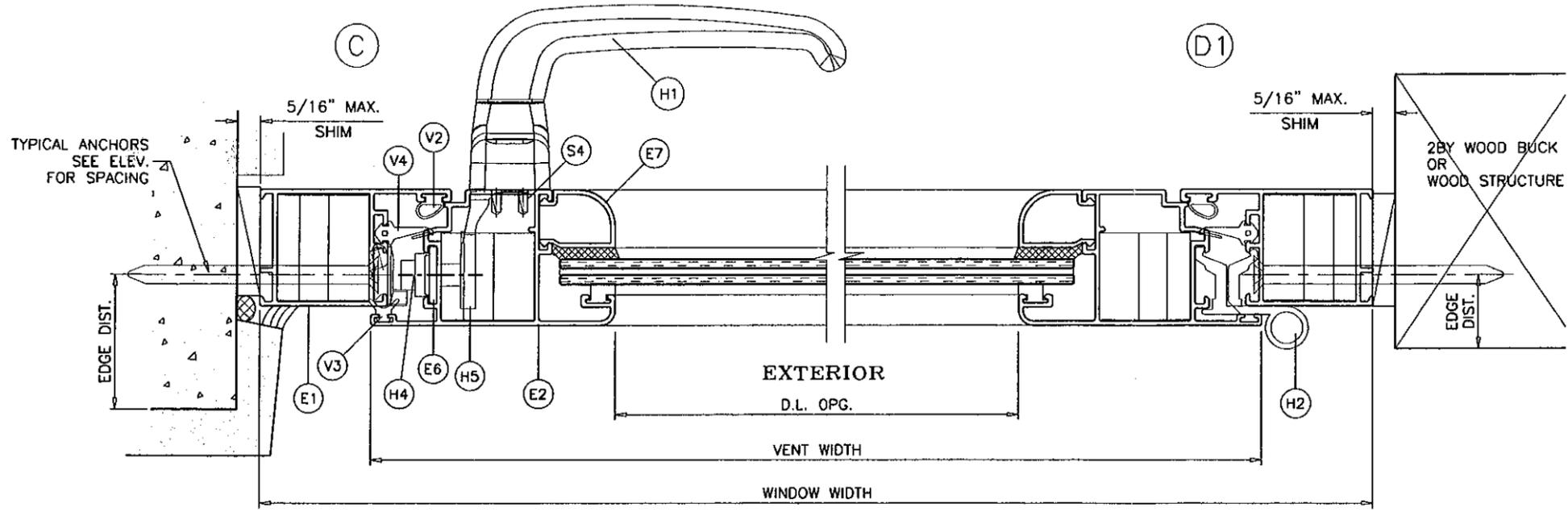
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 dr. by: HAMID
 chk. by:

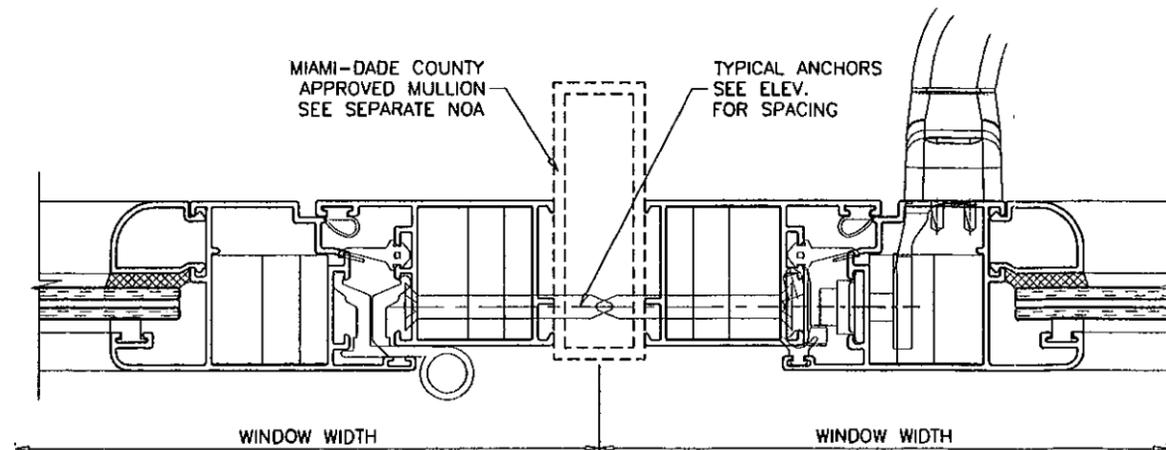
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 sheet 2 of 5



WINDOWS WITH CONCEALED SCISSOR HINGES



WINDOWS WITH BUTT HINGES



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

J.A.
 NOV 18 2010

Approved as complying with the
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 Date 12/23/2010
 NCAM 10-031113
 Miami Dade Product Control
 Division
 By *[Signature]*

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revisions:

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 chk. by:

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ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	CM075-001	4	FRAME HEAD/ SILL/ JAMBS 3709 FISA	6063-T6	-
E2	CM075-002	4	VENT HEAD/ SILL/ JAMBS 3707 FISA	6063-T6	-
E3	CM075-007	AS REQD.	FRAME & VENT CORNER LOCK MALE 3550 FISA	6063-T6	-
E4	CM075-004	AS REQD.	FRAME & VENT CORNER LOCK 3551 FISA	6063-T6	-
E5	CM075-005	AS REQD.	FRAME & VENT CORNER LOCK ADAPTOR 1338	6063-T6	-
E6	CM075-006	AS REQD.	LOCK PLATE 3771 FISA	ALUMINUM	-
E7	FX075-003	4	GLAZING BEAD	6063-T6	-
V1	V-101	AS REQD.	SQUARE VINYL TPE MELTPOINT, DUROMETER 70±5	TPE	MELTPOINT
V2	V-108	AS REQD.	TEAR VINYL INSIDE VENT, DUROMETER 65±5	EPDM	TREMCO
V3	V-033	AS REQD.	COMPRESSION "V" GASKET, SPONGE	NEOPRENE	TREMCO
V4	V-104	AS REQD.	FRAME FLAPPY VINYL PART-C040621, DUROMETER 65±5	EPDM	TREMCO
M1	DOW- 791	AS REQD.	WHITE SILICONE FOR ASSEMBLY	-	-
M2	DOW- 791	AS REQD.	BLACK SILICONE FOR GLAZING	-	-
M3	12206	AS REQD.	SNUBBERS	-	-
M4		2/ LITE	1/4" X 1/2" X 4" LONG T.P.E. SETTING BLOCK	-	-
M5	SR01-7500-51	AS REQD.	1/2" SASH LIFT WHITE	-	-
M6	P-055	2/ WDW.	CAM	PLASTIC	M & M PLASTICS
S1		2/ SNUBBER	#6 X 1/2" LG. FH. SMS.	ST/ST	-
S2		6/ HINGE	#10 X 1/2" LG. PH. THREAD CUTTING POINT "F"	ST/ST	AT 4 BAR HINGES
S3		1/ CAM	#8-32 X 3/4" LG. FH. THREAD CUTTING POINT "F"	ST/ST	-
S4		4/ CROO	#8-32 X 3/4" LG. FH. THREAD CUTTING POINT "F"	ST/ST	-
S5		1/ CORNER	5/16" ø-18 X 1/2" LG. SET SOCKET HEAD SCREW	ST/ST	-
H1	CRO115-7D	AS REQD.	HANDLE EXTERIOR COLOR WHITE	-	-
H2	B102151217	AS REQD.	HINGES RAPID 2T NON-CORROSION RIGHT HAND	-	-
H3	ED0018	AS REQD.	DOUBLE POINT MEETING LOCKING	-	-
H4	KT005	AS REQD.	LOCK POINT NON-CENTER	-	-
H5	KT00311	AS REQD.	KIT ALUMINUM EXTERIOR OPENING	-	-
H6	TR0018	AS REQD.	END PLATE LOCK POINT ADJUSTABLE	-	-
H7	KT0022	AS REQD.	LOCK POINT NON-CENTER 6.5 MM. HEIGHT + SCREW	-	-
H8	35.09.00.100	AS REQD.	12" 4-BAR HINGES	ST/ST	TRUTH HARDWARE

LOCKS:

SURFACE MOUNT METALLIC 8 POINT LOCK SYSTEM WITH ACTIVATING LEVER TYPE HANDLE AT 30" FROM BOTTOM FASTENED WITH (4) #10-24 X 3/4" OH MS

SURFACE MOUNT KEEPERS FACING LOCKING POINTS (6) METALLIC KEEPERS AT FRAME JAMB FASTENED WITH (1) #10-32 X 3/8" SOCKET SET SCREW (1) PLASTIC KEEPER AT FRAME HEAD AND SILL FASTENED WITH (2) #10-32 X 3/8" SOCKET SET SCREW

HINGES:

OPTION #1:

3-5/8" LONG TWO PIECE METALLIC LIFT OFF HINGES 3 PER VENT LOCATED AT 6" FROM EACH END & AT MIDSPAN FASTENED TO FRAME AND VENT WITH (2) #10-24 X 3/8" OH MS.

OPTION #2:

SURFACE MOUNT METALLIC FOUR BAR HINGES BY 'ANDERBERG' FASTENED TO FRAME WITH (4) #8-32 X 3/4" PH MS FASTENED TO VENT WITH (3) #8-32 X 3/4" PH MS

SNUBBERS: REQD. AT WINDOWS WITH 4 BAR HINGES

(6) SURFACE MOUNT PLASTIC ANTI BLOW OUT CLIPS LOCATED AT 15-1/2" FROM ENDS AND AT MIDSPAN FASTENED TO FRAME AND VENT WITH (2) #6 X 3/8" PH SMS

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

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NOAH 10-02-11.13
Miami Dade Product Control Division
By *[Signature]*

afc

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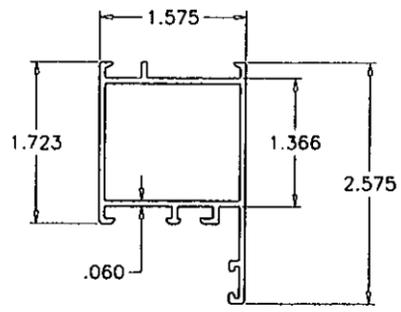
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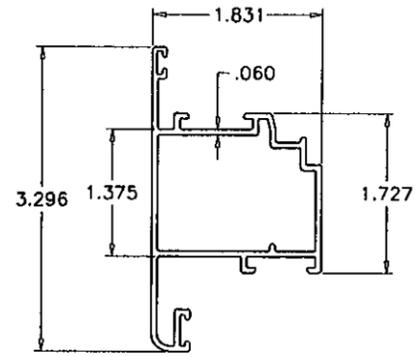
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sheet 4 of 5

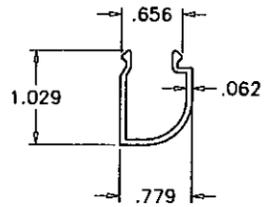
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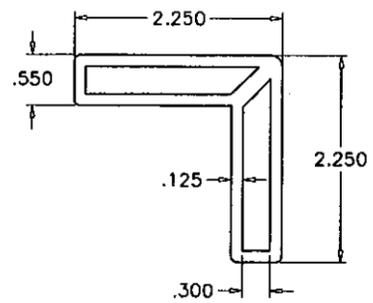
(E1) FRAME HEAD/SILL/JAMB



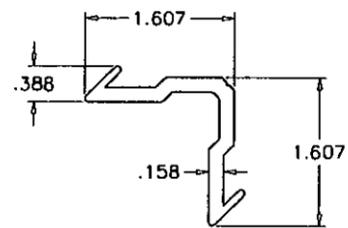
(E2) VENT HEAD/SILL/JAMB



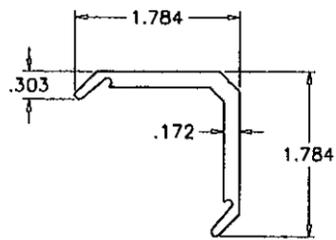
(E7) GLAZING BEAD



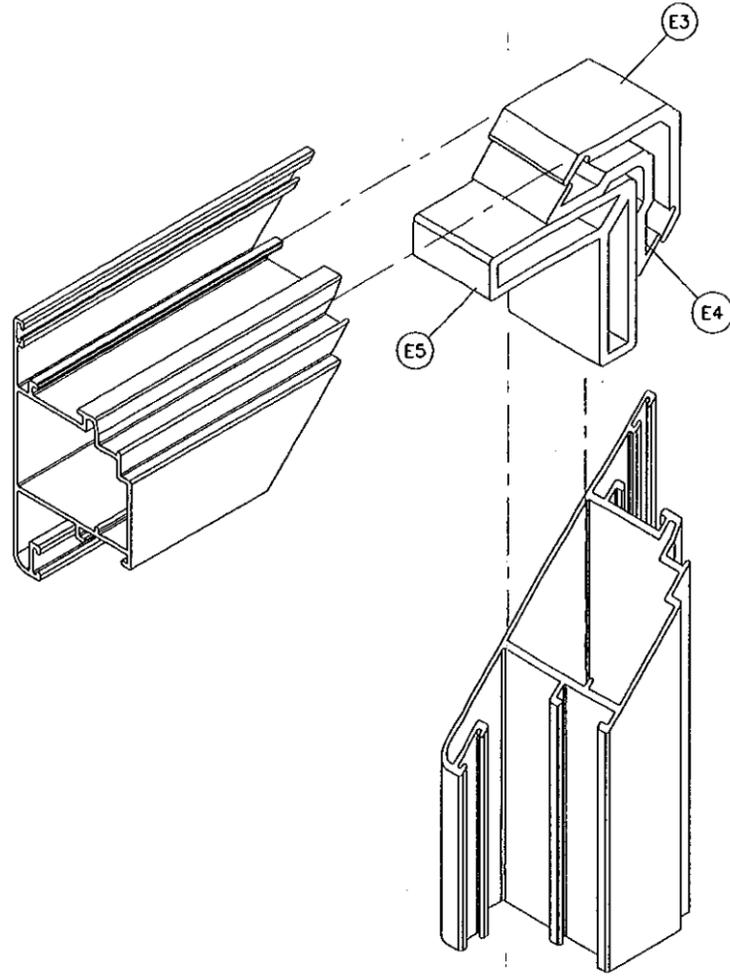
(E5) CORNER LOCK ADAPTER



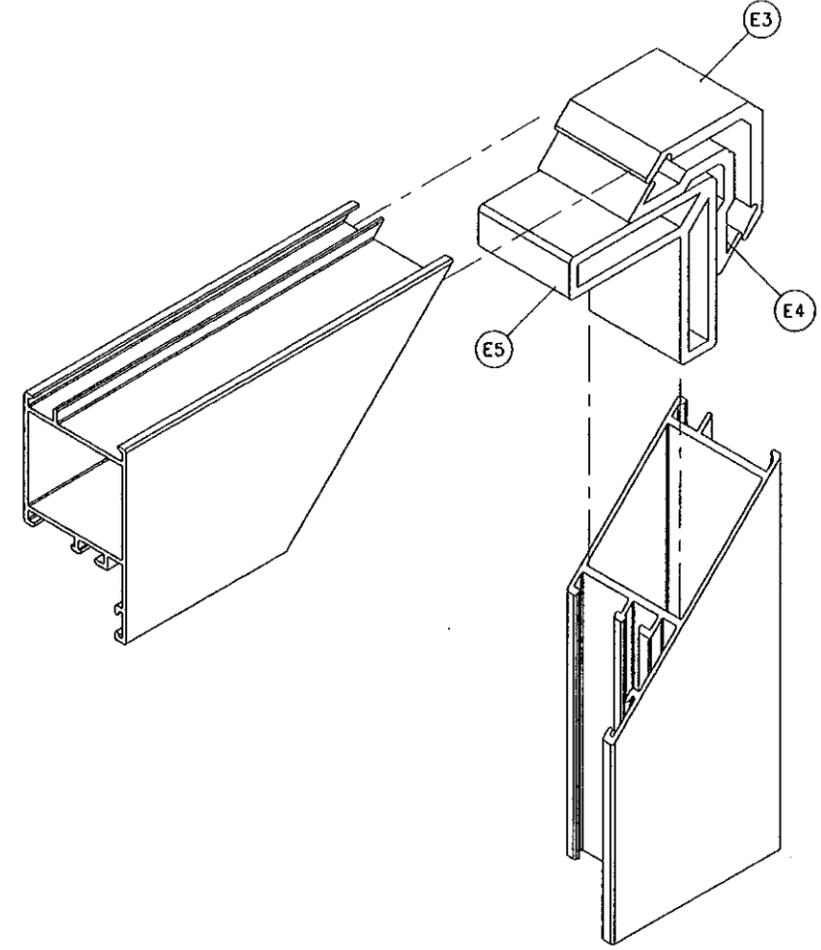
(E4) CORNER LOCK



(E3) CORNER LOCK MALE



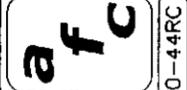
VENT CORNERS



FRAME CORNERS

Engr: JAVAD AHMAD
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 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W10-44RC

SERIES CM075 ALUMINUM CASEMENT 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
	A	11.05.10		NO CHANGE THIS SHEET

date: 07-06-10
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W10-44
 sheet 5 of 5