



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

MIAMI-DADE COUNTY, FLORIDA
 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/

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 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 "SH-075" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W09-61, titled Series "SH075 Alum. Single Hung Window (L.M.I.)", sheets 1 through 4 of 4, prepared by AL-Farooq Corporation, with latest revised "C" dated 03/20/12, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration 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, 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 NOA No. 10-0811.14 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

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



Jaime D. Gascon
 6/28/12

NOA No. 12-0410.23
 Expiration Date: May 19, 2015
 Approval Date: June 28, 2012
 Page 1

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA's No.'s 10-0209.04 and 10-0811.14)
2. Drawing No. **W09-61**, titled Series "SH075 Alum. Single Hung Window (L.M.I.)", sheets 1 through 4 of 4, prepared by AL-Farooq Corporation, with latest revised "C" dated 03/20/12, 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 202-94along with marked-up drawings and installation diagram of aluminum single hung, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6117**, dated 06/29/10, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No. 10-0811.14)
2. 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 202-94along with marked-up drawings and installation diagram of single hung, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6117**, dated 06/29/10, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No.10 -0209.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by AL-Farooq Corporation, dated 08/03/10, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 10-0811.14)
2. **Glazing complies with ASTM E 1300-04**

D. QUALITY ASSURANCE

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



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0410.23
Expiration Date: May 19, 2015
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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.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 03/20/12, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letters prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6117**, dated 06/29/10, signed and sealed by Jorge A. Causo, P. E. *(Submitted under previous NOA No. 10-0811.14)*
3. Laboratory compliance letters prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6247**, dated 12/02/09, signed and sealed by Michael R. Wenzel P. E. *(Submitted under previous NOA No. 10-0209.04)*

G. OTHERS

1. Notice of Acceptance No. **10-0811.14**, issued to R. C. Aluminum Industries, Inc., for their Series "**SH-075 Aluminum Single Hung Window-L.M.I.**", approved on 10/21/10 and expiring on 05/21/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0410.23
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Approval Date: June 28, 2012

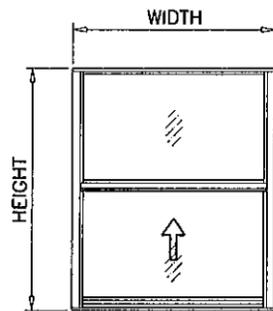
EQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26" (4)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		85.0	90.0
19-1/8"	38-3/8" (5)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		85.0	90.0
19-1/8"	50-5/8" (7)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		71.4	75.5
19-1/8"	58" (7)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		70.0	70.0
19-1/8"	63" (7)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		70.0	70.0
19-1/8"	76" (9)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		70.0	70.0

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

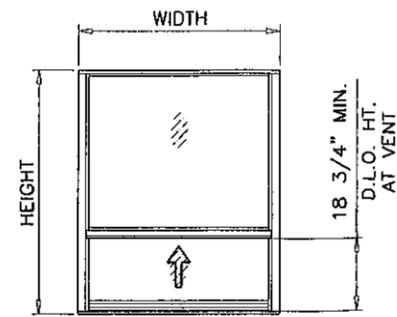
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

UNEQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	38-3/8" (5)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		85.0	90.0
19-1/8"	50-5/8" (6)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		70.0	70.0
19-1/8"	58" (7)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		70.0	70.0
48"		85.0	90.0
53-1/8"		71.4	75.5
19-1/8"	63" (7)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		70.0	70.0
19-1/8"	76" (9)	85.0	90.0
24"		85.0	90.0
26-1/2"		85.0	90.0
30"		85.0	90.0
37"		85.0	90.0
42"		85.0	90.0
48"		85.0	90.0
53-1/8"		70.0	70.0

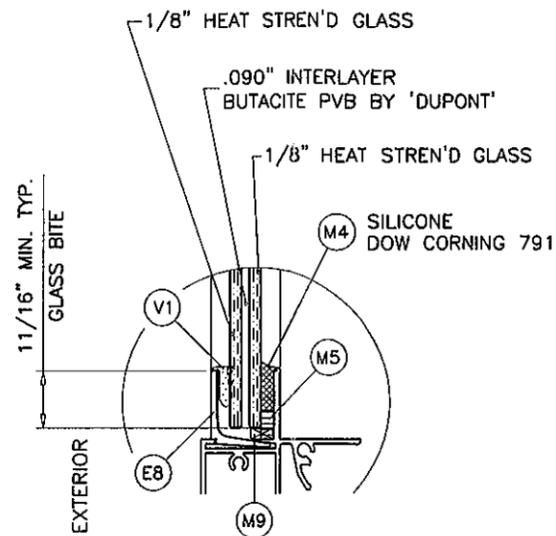
* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



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 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

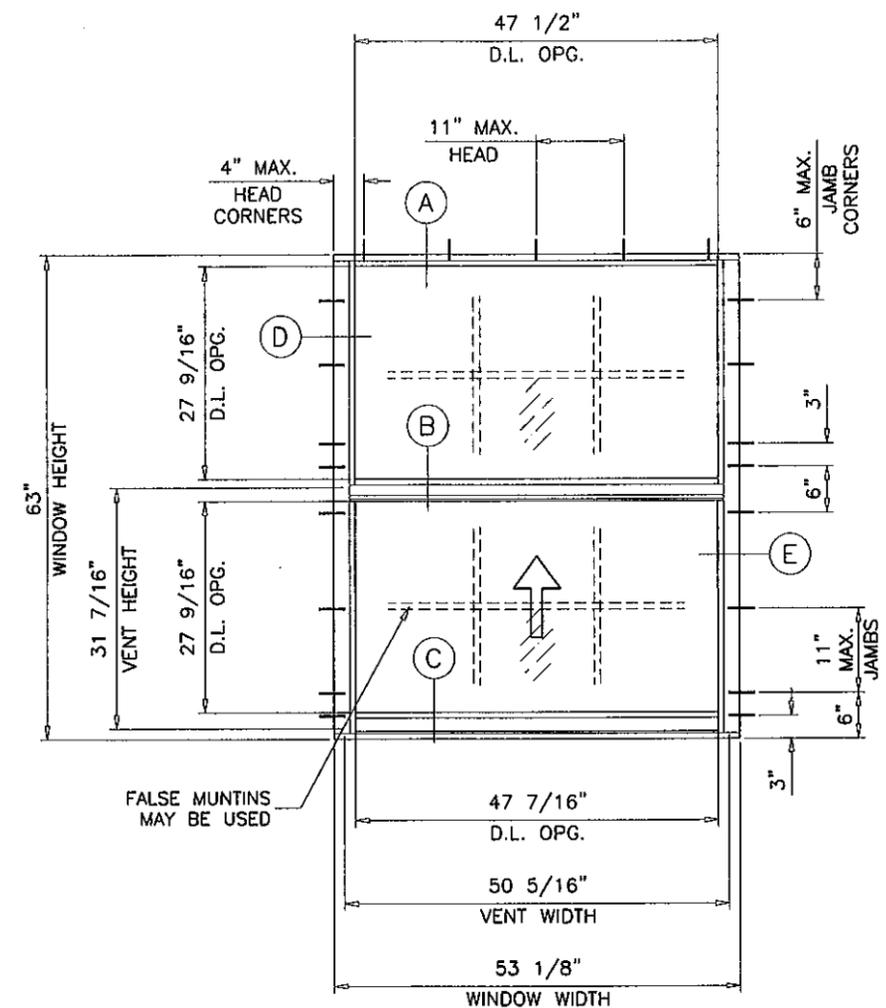
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.



TYPICAL ELEVATION

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 12-0410.23
Expiration Date 05/19/2015
By: [Signature]
Miami Dade Product Control

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

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

[Signature]

MAR 23 2012

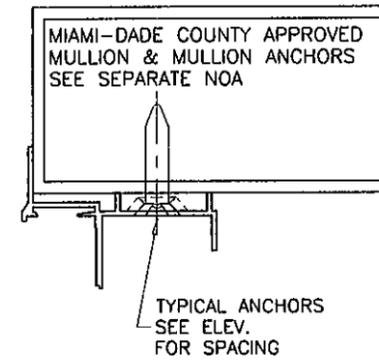
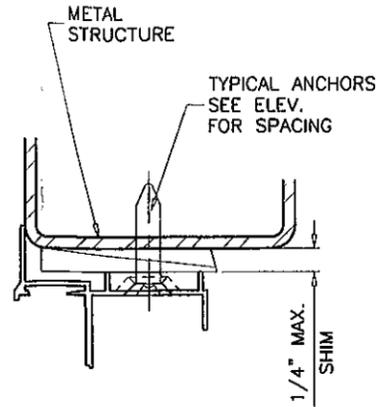
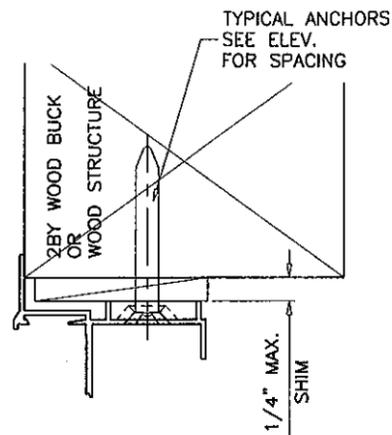
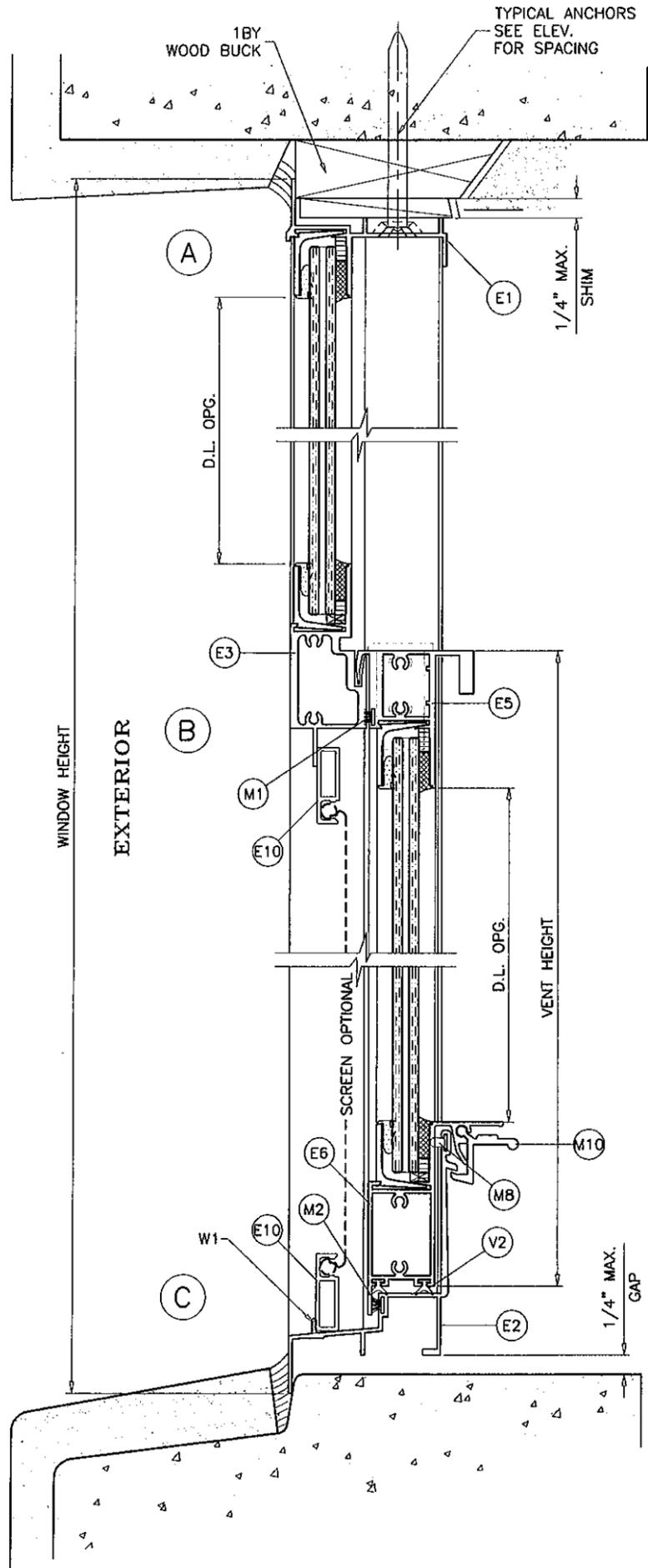
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W09-61RC

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	
B	07-28-10	GENERAL REVISION	
C	03-20-12	UPDATED TO 2010 FBC	

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

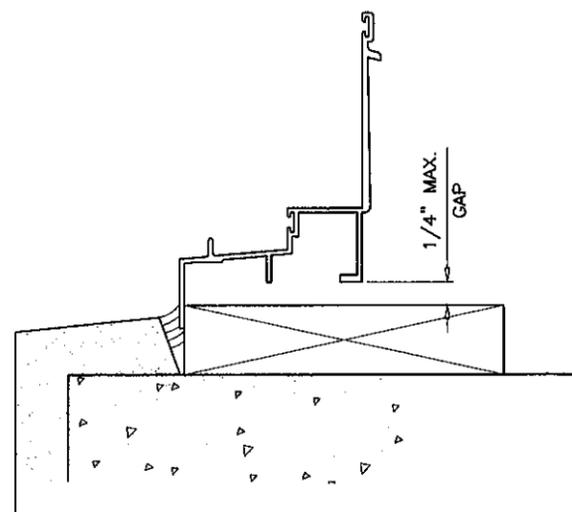
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANT:

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

WEEPHOLES:

W1 = 1-1/4" WEEP NOTCH AT EACH END



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0410.23
Expiration Date 05/19/2016
By *[Signature]*
Miami Dade Product Control

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

MAR 23 2012



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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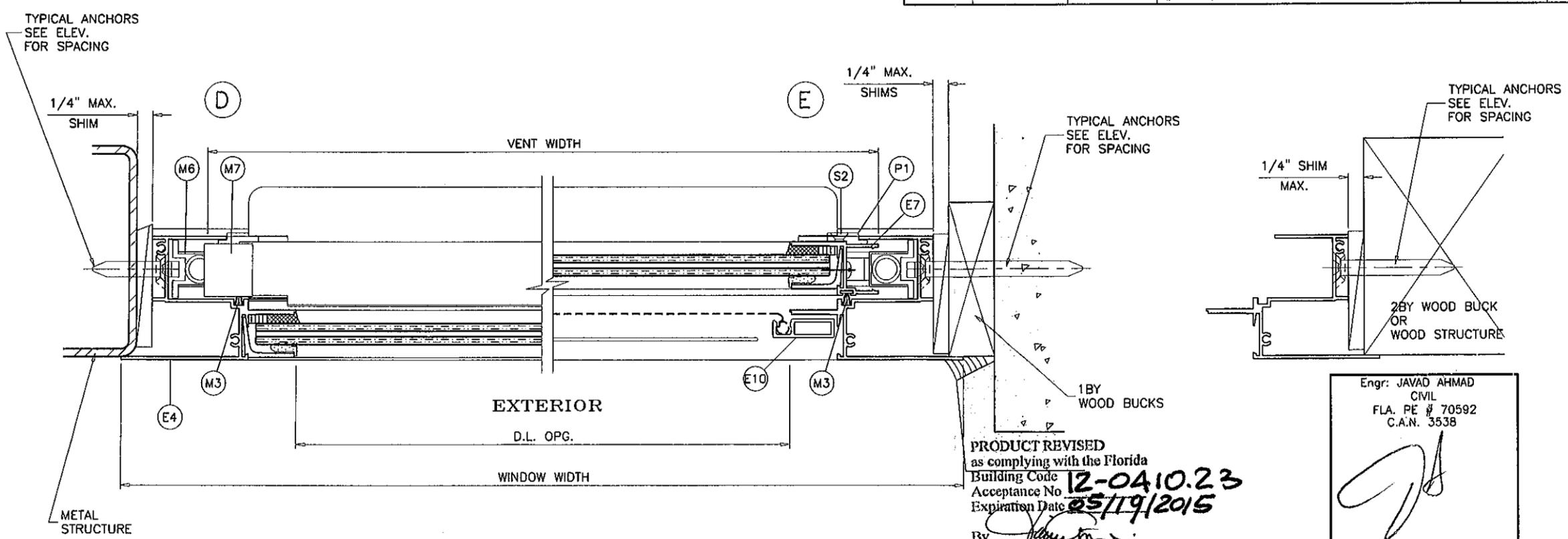
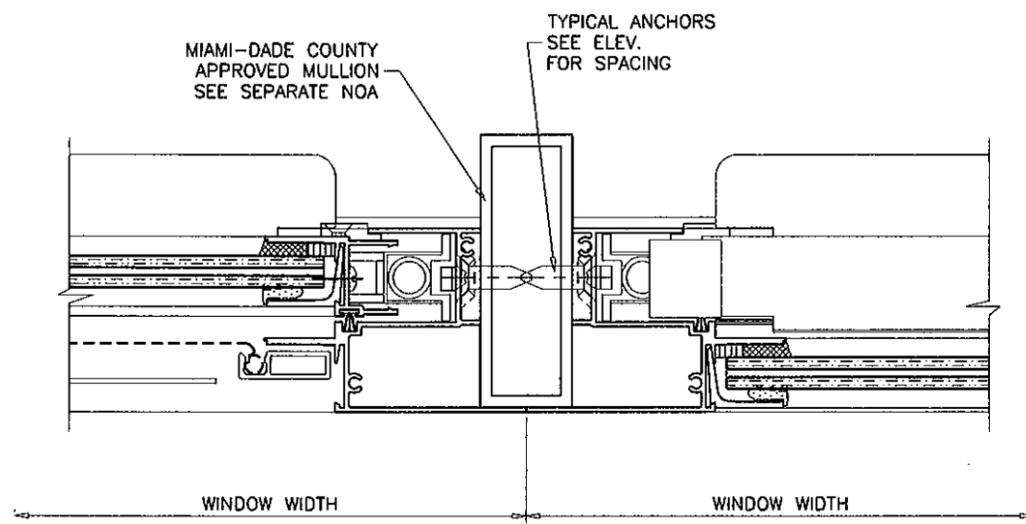
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TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	04.21.10	NO CHANGE THIS SHEET
B	07.29.10	GENERAL REVISION
C	03.20.12	NO CHANGE THIS SHEET

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	SH075-009	1	FRAME SILL	6063-T6	-
E3	SH075-012	1	FIX. MEETING RAIL	6063-T6	-
E4	SH075-007	2	FRAME JAMBS	6063-T6	-
E5	SH075-010	1	VENT TOP RAIL	6063-T6	-
E6	SH075-011	1	VENT BOTTOM RAIL	6063-T6	-
E7	SH075-005	2	VENT JAMB STILE	6063-T6	-
E8	SH075-008	4/ LITE	5/16" 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	Q22ST190	1	Q-LON WEATHERSTRIPPING	-	-
M9	-	-	1/8" x 1/8" x 4" LG SETTING BLOCK	EPDM	-
M10	LL-200	2	SPRING LOADED LIFT LATCH	PLASTIC	AT 9-1/2" FROM EACH END
P1	P-053	-	VENT GUIDE	PLASTIC	-
P2	P-054	-	VENT STOP	-	MELTPOINT
S1	-	AS REQD.	ASSEMBLY SCREWS (#6 x 1" LG PH. SMS)	ST/ST	-
S2	-	-	#6 x 3/8" LG FH. SMS	ST/ST	-



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **12-0410.23**
Expiration Date **05/19/2015**
By *[Signature]*
Miami Dade Product Control

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

af c
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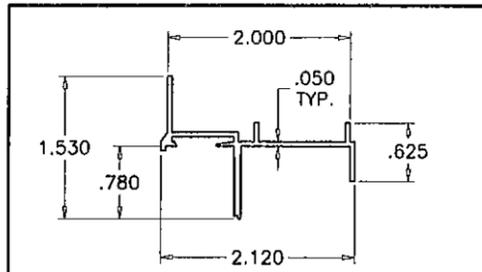
no	date	description	by
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date: 12-17-09
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

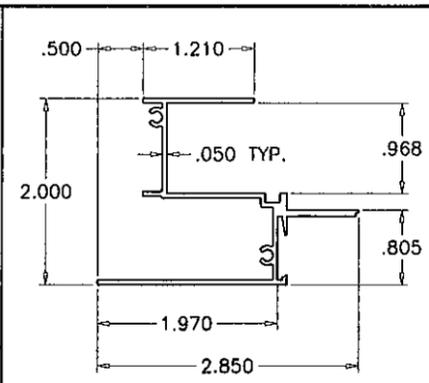
drawing no.
W09-61

sheet 3 of 4

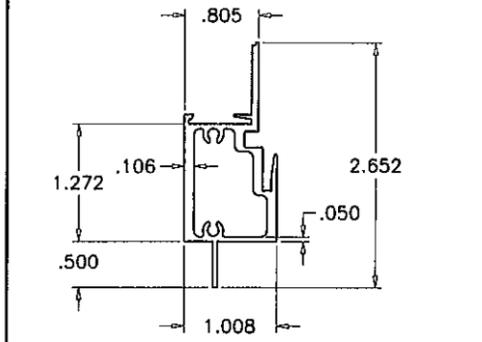
MAR 23 2012



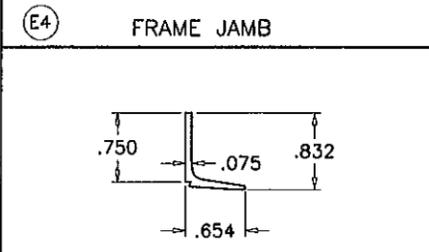
E1 FRAME HEAD



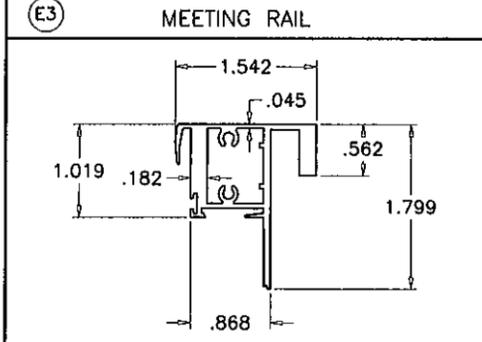
E4 FRAME JAMB



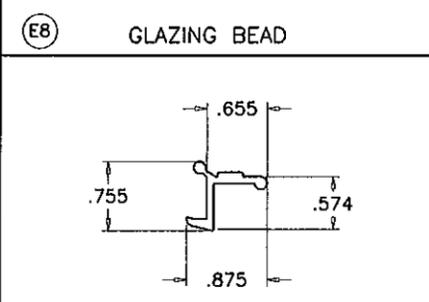
E3 MEETING RAIL



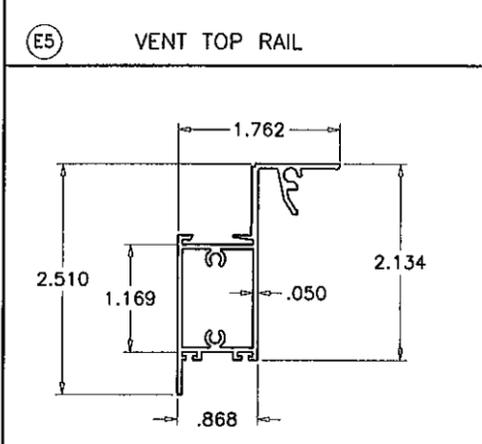
E8 GLAZING BEAD



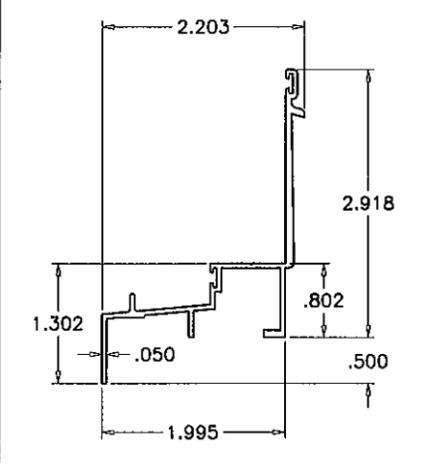
E5 VENT TOP RAIL



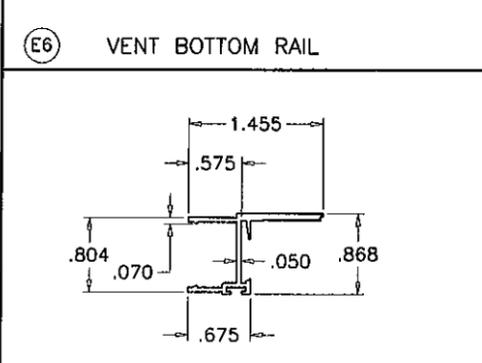
M10 SPRING LOADED LATCH PLASTIC



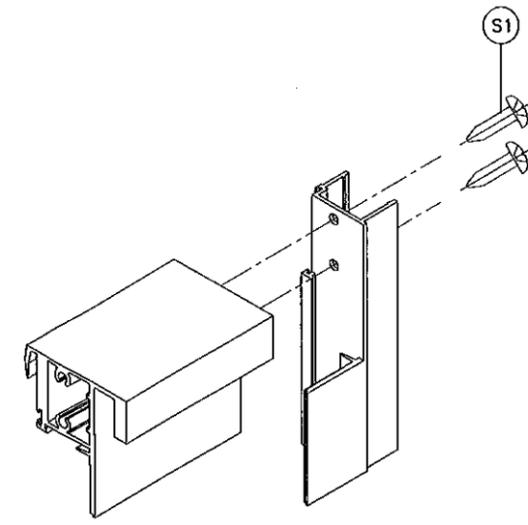
E6 VENT BOTTOM RAIL



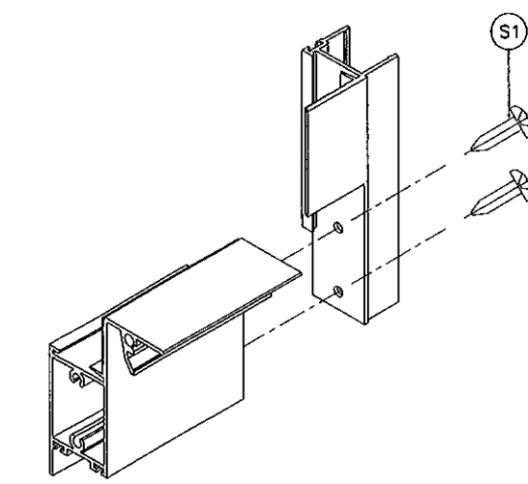
E2 FRAME SILL



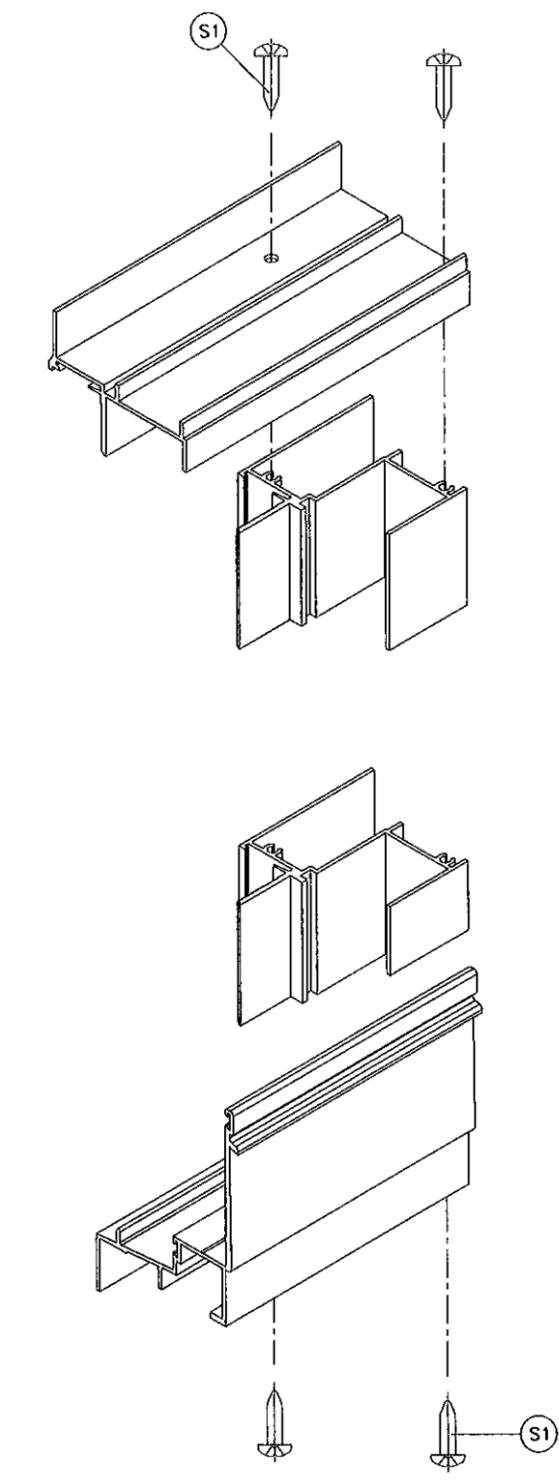
E7 VENT SIDE RAIL



VENT CORNER DETAIL



FRAME CORNERS DETAIL



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0410.23
 Expiration Date 05/19/2015
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAR 23 2012

afC
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 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	
B	07.29.10	GENERAL REVISION	
C	03.20.12	NO CHANGE THIS SHEET	

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