



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
BOARD AND CODE ADMINISTRATION DIVISION

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/building/home/asp](http://www.miamidade.gov/building/home/asp)

## NOTICE OF ACCEPTANCE (NOA)

**R. C. Aluminum Industries, Inc.**  
2805 NW 75<sup>th</sup> 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 BNC -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. BNC 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 "RD45" Single Outswing Aluminum Entrance Door

**APPROVAL DOCUMENT:** Drawing No. **W11-11**, titled "Series RD45 Alum Entrance Door (L.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporation, dated 03/02/11 and last revised on July 07, 2011, 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

#### Limitation:

1. See charts in sheet 1 for number of Hinges and Locking points required per door sizes.
2. Max. 7/16" load bearing shim, except 1/4" max into steel substrate.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and Series/Model 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 pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 11-0421.03  
Expiration Date: August 19, 2014  
Approval Date: July 14, 2011

7/14

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections
2. Drawing No. **W11-11**, titled "Series RD45 Alum Entrance Door (L.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporation, dated 03/02/11 and last revised on July 07, 2011, 2011, 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 diagrams of single aluminum outswing doors, Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6381**, dated 12/17/10, witnessed by Jorge A. Causo, P.E., signed and sealed dated 02/14/11 by reviewing engineer Marlin D. Brinson, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al Farooq Corporation, dated 03/22/11 and last revised on 07/07/11, signed and sealed by Javad Ahmad, P.E
2. Glazing complies w/ ASTM E-1300-02 & -04

**D. QUALITY ASSURANCE**

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

**E. MATERIAL CERTIFICATIONS**

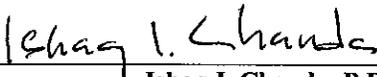
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**", expiring on 01/14/12.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, prepared by Al-Farooq Corporation, dated 03/22/11, signed and sealed by Javad Ahmad, P.E.
2. Statement of Lab compliance, as part of above test reports.

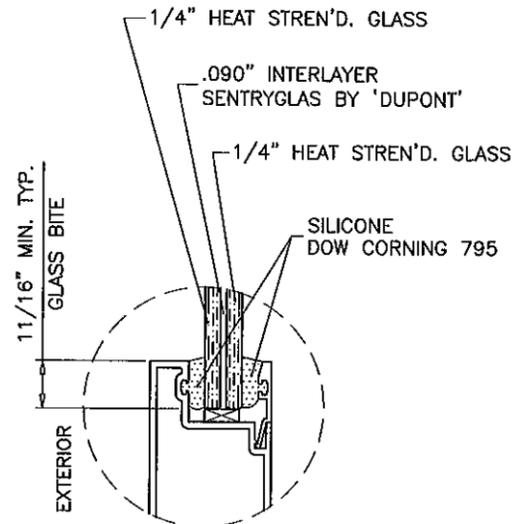
**G. OTHER**

1. Spin-off file # 09-0630.07, expiring 08/19/2014.



Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 11-0421.03

Expiration Date: August 19, 2014  
Approval Date: July 14, 2011



GLAZING DETAIL

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

**SERIES RD45  
ALUMINUM OUTSWING ENTRANCE DOOR**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE (MULLED) COMBINATIONS OF FRENCH DOOR/FRENCH DOOR OR FRENCH DOOR WITH OTHER APPROVED DOOR TYPES IN MODULES OF TWO OR MORE DOORS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM DOORS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

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).

1BY OR 2BY 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.

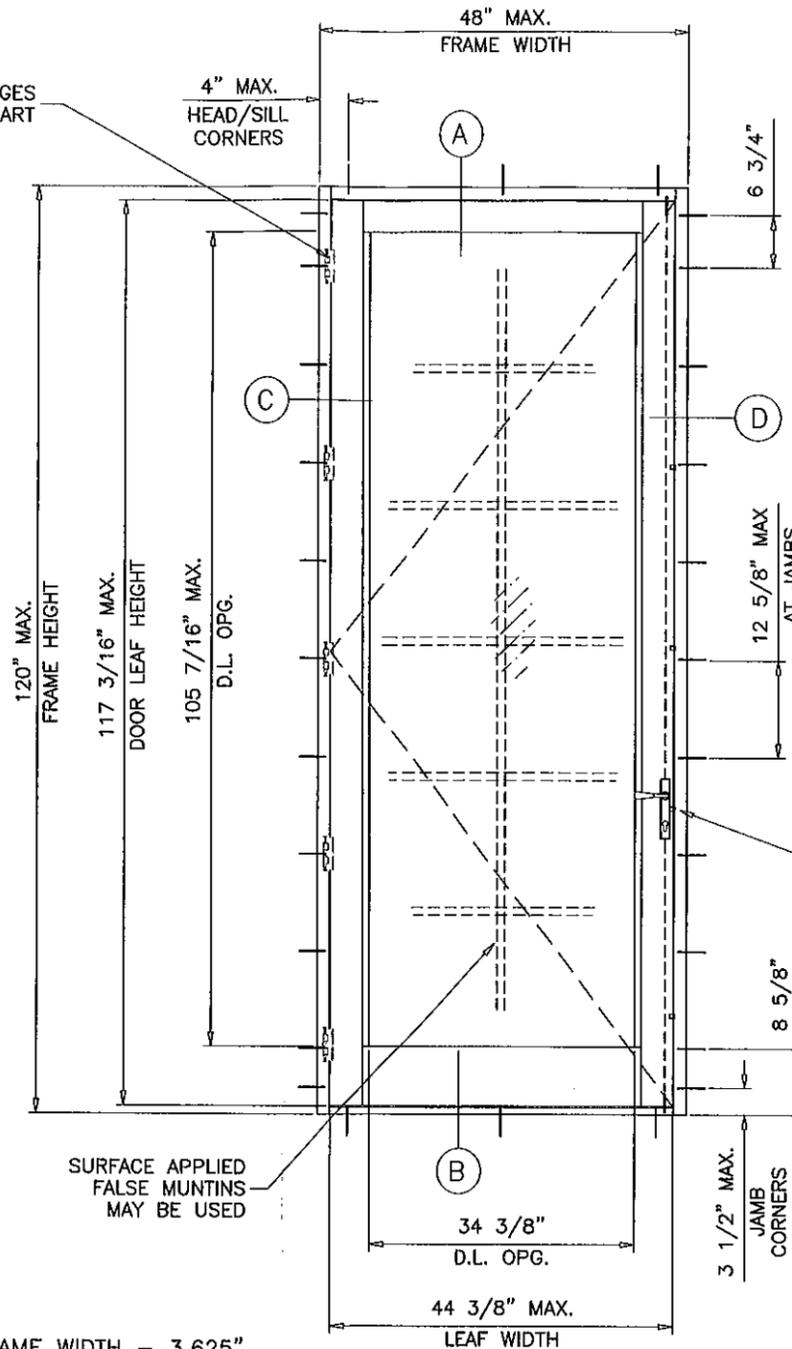
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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.

MAX. FRAME WIDTH	MAX. FRAME HEIGHT	NO. OF HINGES PER LEAF
36"	84"	3
42"		3
48"		4
36"	96"	3
42"		4
48"		4
36"	108"	4
42"		4
48"		5
36"	120"	4
42"		5
48"		5

MAX. FRAME WIDTH	MAX. FRAME HEIGHT	NO. OF LOCKING POINTS PER LEAF
36"	84"	4
42"		4
48"		5
36"	96"	4
42"		5
48"		5
36"	108"	4
42"		5
48"		6
36"	114"	5
42"		5
48"		6
36"	120"	5
42"		6
48"		6



TYPICAL ELEVATION

LEAF WIDTH = FRAME WIDTH - 3.625"  
LEAF HEIGHT = FRAME HEIGHT - 2.8125"

Approved in complying with the Florida Building Code  
Date: 7-14-2011  
NOAS 11-0421-03  
Miami Dade Product Control  
By: *Ishag Chande*

MAXIMUM DESIGN LOAD RATING = + 125.0 PSF  
(FOR SIZES SHOWN ABOVE OR SMALLER) - 125.0 PSF  
AS ALLOWED BY FBC

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70502  
C.A.N. 3538  
*JUL 07 2011*

4 POINT LOCK    5 POINT LOCK    6 POINT LOCK

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8400    FAX. (305) 262-6978  
COMP-ANL W11-11TRC

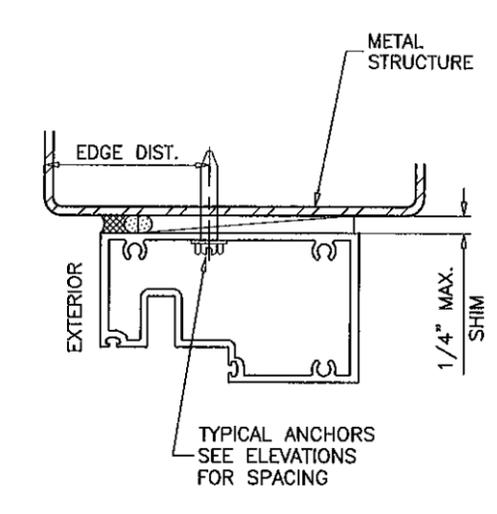
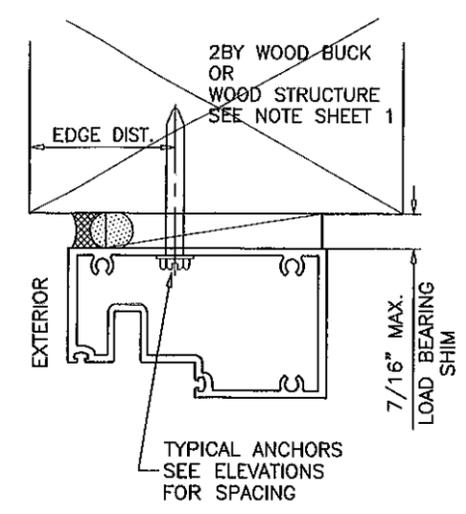
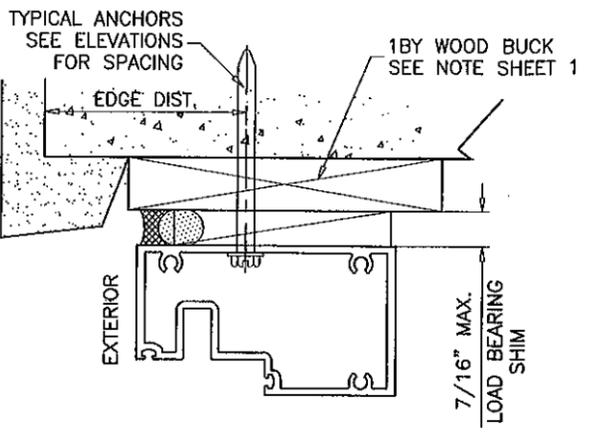
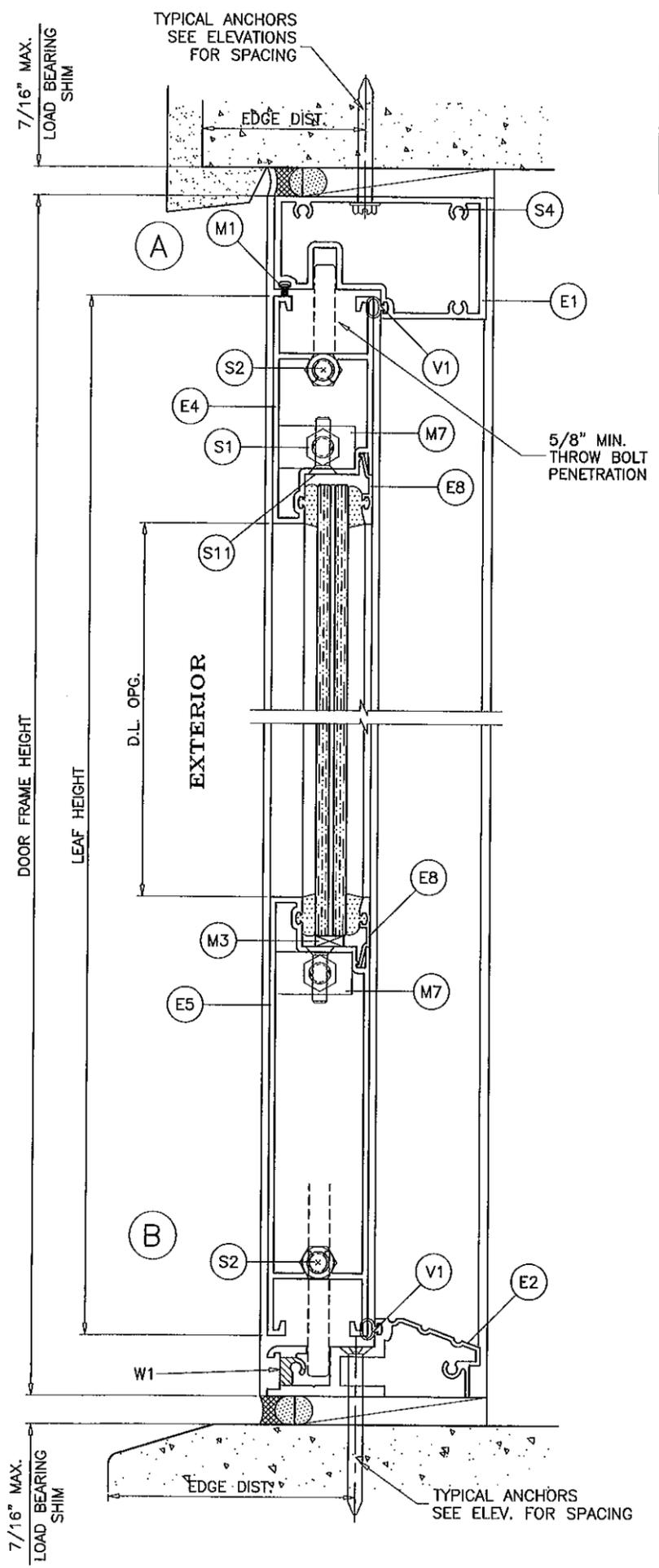
SERIES RD45 ALUM ENTRANCE DOOR (L.M.I.)  
**R.C. ALUMINUM INDUSTRIES INC.**  
2805 N.W. 75 TH AVE.  
MIAMI, FL. 33122  
TEL. (305) 592-1515    FAX. (305) 592-2184

no.	date	description	REV. PER BNC COMMENTS
A	06.10.11		

date: 03-02-11  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W11-11**

sheet 1 of 5



WOOD BUCKS AND METAL STRUCTURES 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" X 2-3/4" HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. WOOD PENETRATION  
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.  
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.  
 DIRECTLY INTO MASONRY OR CONCRETE  
 1-1/4" MIN. EMBED INTO CONCRETE  
 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
 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)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" 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 = 1500 PSI MIN.

**SEALANTS:**  
 ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SILICONE.

**WEEPHOLES:**  
 W1 = 1/2" DIA. HOLES AT 4" FROM ENDS AND AT MIDSPAN.

Approved as complying with the  
 Florida Building Code  
 Date: 7-19-11  
 NOAS 11-0071.03  
 Miami State Product Control  
 By: Ishag I. Chan

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
  
 JUL 07 2011

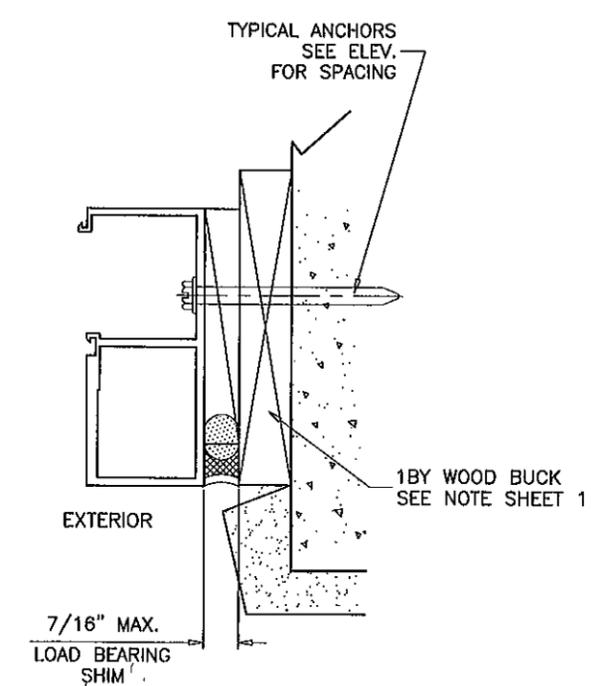
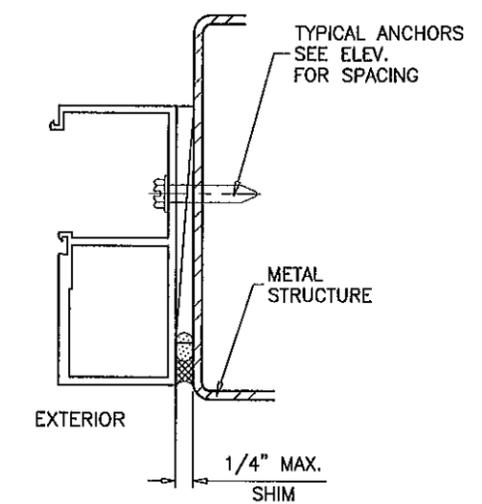
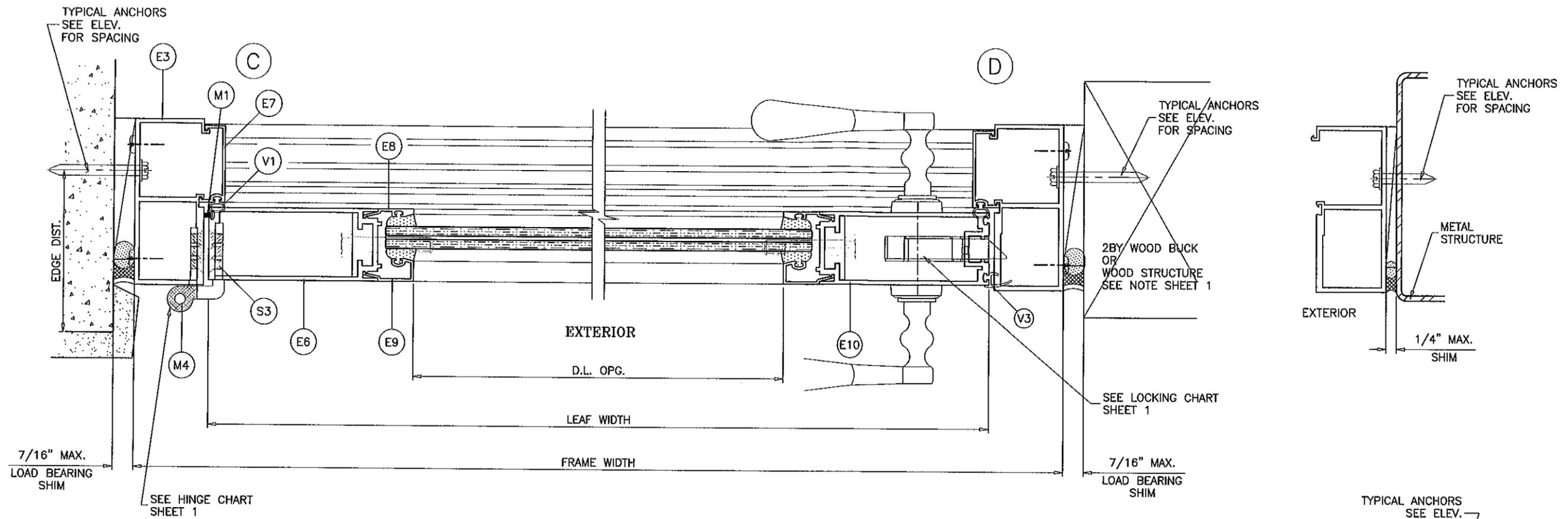
**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL/W11-11RC

SERIES RD45 ALUM ENTRANCE DOOR (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	REV. PER BNC COMMENTS
A	06.10.11		

date: 03-02-11  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W11-11**  
 sheet 2 of 5



Approved as complying with the  
 Florida Building Code  
 Date: 7-14-11  
 NOAS: 71-0421.03  
 Miami Dade Product Control  
 By: Ishag I. Chaudhry

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N., 3530  
  
 JUL 07 2011

**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\W11-11RC

SERIES RD45 ALUM ENTRANCE DOOR (L.M.I.)

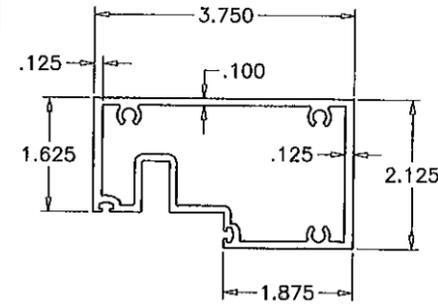
**R.C. ALUMINUM INDUSTRIES INC.**  
 2805 N.W. 75 TH AVE.  
 MIAMI, FL. 33122  
 TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	by	description	REV. PER BNC COMMENTS
A	06.10.11			

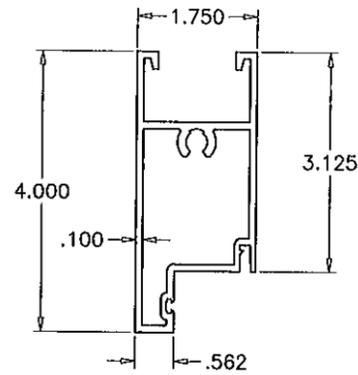
date: 03-02-11  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W11-11**

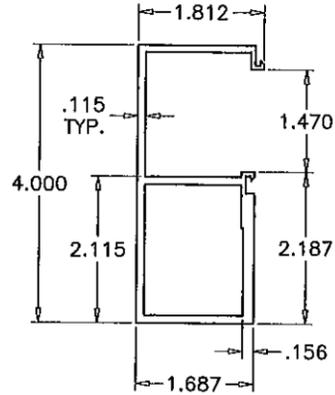
sheet 3 of 5



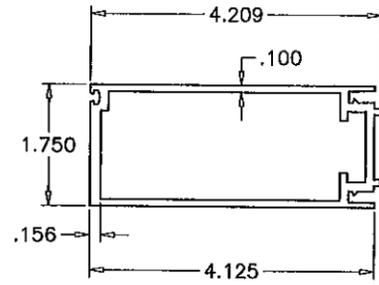
E1 DOOR HEAD



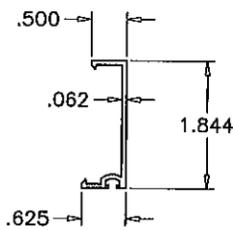
E4 TOP RAIL



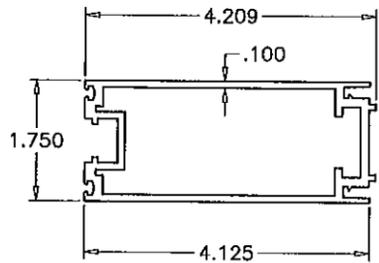
E3 FRAME JAMB



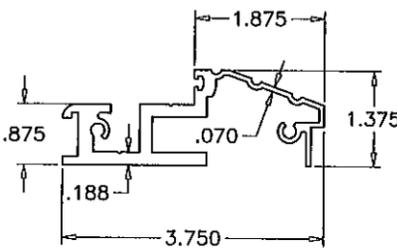
E6 HINGE STILE



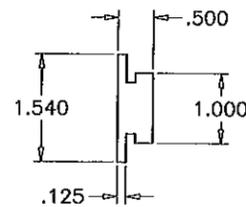
E7 VERT. JAMB STOP



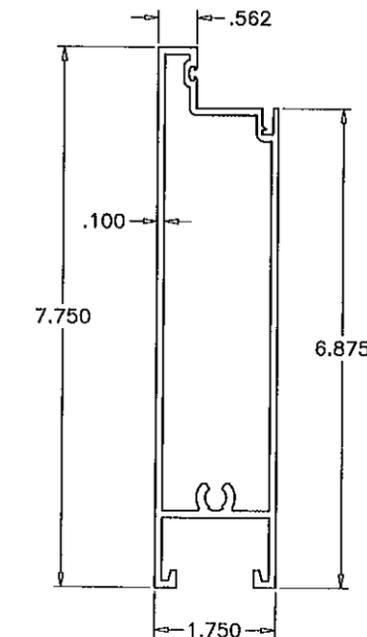
E10 LOCK STILE



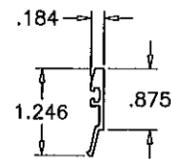
E2 FRAME SILL



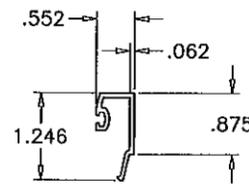
E5 SHEAR BLOCK



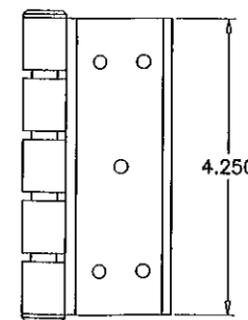
E5 BOTTOM RAIL



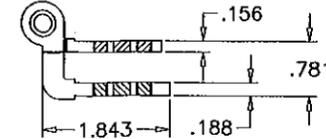
E8 INTERIOR GLAZING BEAD



E9 VERT. EXT. GLAZING BEAD



M4 HANDICAP OFFSET HINGE



M4 HANDICAP OFFSET HINGE

ITEM #	NUMBER	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	RD45-023	1	FRAME HEAD	6005-T5	-
E2	RD45-024	1	FRAME SILL	6063-T6	-
E3	RD45-022	2	FRAME JAMB	6063-T6	-
E4	RD45-004	1/LEAF	TOP RAIL	6063-T6	-
E5	RD45-021	1/ LEAF	BOTTOM RAIL	6063-T6	-
E6	RD45-006	2/ LEAF	HINGE STILE	6005-T5	-
E7	RD45-002	2	VERTICAL JAMB STOP	6063-T6	-
E8	RD45-010	AS REQD.	INTERIOR GLAZING BEAD	6063-T6	-
E9	RD45-007	AS REQD.	VERTICAL EXTERIOR GLAZING BEAD	6063-T6	-
E10	RD45-017A	AS REQD.	LOCK STILE	6005-T5	-
M1	W3142INK	AS REQD.	WEATHERSTRIPPING	-	-
M3	-	-	3/16" x 3/4" x 4" SETTING BLOCK	-	6" FROM EACH END
M4	RD45-M13	4/ LEAF	HANDICAP OFFSET HINGE ASSEMBLY	6005-T5	SULLIVAN & ASSOCIATES
M5	RD45-M14	1	3/4" X 3/4" X 1/8" THK CHANNEL	ALUMINUM	AT THRESHOLD
M7	-	-	BAR REINFORCEMENT, 2" LONG	ALUMINUM	-
M8	-	-	PLATE REINFORCEMENT, 3-7/8" LONG	ALUMINUM	-
M9	-	-	PLATE REINFORCEMENT, 7-5/8" LONG	ALUMINUM	-
V1	V-096A	-	DOOR W'STRIPPING	VINYL	-
V2	V-072	-	PILE WITH INTEGRAL FIN	-	-
S1	-	AS REQD.	Ø3/8"-16 X 1-1/4" LG. FULL THREAD HX.HD..	-	1 PER CONER
S2	-	AS REQD.	Ø3/8"-16 X 2" LG. FULL THREAD HX.HD..	-	1 PER CONER
S3	-	4/ HINGE	#12-24 X 3/4" LG. PHIL. F.H. MACHINE SCREW	ST/ST	HINGE INSTALLATION SCREWS
S4	-	AS REQD.	#12 X 1-1/4" LG. PHIL. SMS.	ST/ST	ASSEMBLY FASTENERS
S11	-	AS REQD.	#12-24 X 3/4" FH MS	ST/ST	-

**LOCK:** (SEE LOCKING SCHEDULE SHEET 1)

FLUSH MOUNT METALLIC MULTI POINT LOCK SYSTEM BY 'HOPPE' WITH SURFACE MOUNT LEVER TYPE HANDLE AT 36" FROM BOTTOM KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR. LOCK FASTENED TO LOCK STILE USING (14) #8 X 1" FH SMS HANDLE FASTENED USING (3) #12-28 X 1-7/8" OH MS KEY OPERATOR FASTENED USING (1) #12-28 X 1-7/8" OH MS

Approved as complying with the Florida Building Code  
 Date: 7-19-11  
 NDAS 11-0421.03  
 Miami State Product Control  
 By: Ishaq J. Chande

Engr: JAVAD AHMAD  
 CIVIL  
 FLA: PE # 70592  
 C.A.N. 3538  
 JUL 07 2011

**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\W11-11RC

SERIES RD45 ALUM ENTRANCE DOOR (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	description	BY	REV. PER	COMMENTS
	A	106.10.11				

date: 03-02-11	scale: 3/8" = 1"	dr. by: HAMID	chk. by:
drawing no. W11-11			
sheet 4 of 5			

