



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

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

NOTICE OF ACCEPTANCE (NOA)

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 "RD45" Single Outswing Aluminum Entrance Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. W11-11, titled "Series RD45 Alum. Entrance Door (L.M.I.)", sheets 1 through 05 of 05, dated 03/02/11, prepared by AL-Farooq Corporation, with latest revised "B" 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. 11-0421.03 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.**



J. Gascon
6/7/12

NOA No. 12-0410.17
Expiration Date: August 19, 2014
Approval Date: June 14, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 11-0421.03)
2. Drawing No. **W11-11**, titled "Series RD45 Alum Entrance Door (L.M.I.)", sheets 1 through 05 of 05, dated 03/02/11, prepared by AL-Farooq Corporation, with latest revised "**B**" 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, Side-Hinged Door Systems, per FBC 2411.3.2.1, TAS 202-94 and per AAMA 1304-02along with marked-up drawings and installation diagram of single aluminum outswing door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6381**, dated 12/17/10, witnessed and signed by Jorge A. Causo, P. E., signed and sealed dated 02/14/11 by reviewing engineer Marlin D. Brinson, P. E.
(Submitted under previous NOA No. 11-0421.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by AL-Farooq Corporation, dated 03/22/11 and 07/07/11, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 11-0421.03)
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. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.



Jaime D. Gascon, P. E.
Product Control Section Supervisor

NOA No. 12-0410.17

Expiration Date: August 19, 2014

Approval Date: June 14, 2012

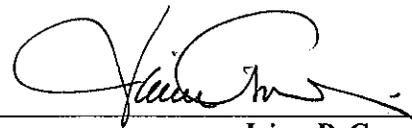
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 03/06/12, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **FTL-6381**, prepared by Fenestration Testing Laboratory, Inc., dated 12/17/10, witnessed and signed by Jorge A. Causo, P. E., signed and sealed dated 02/14/11 by reviewing engineer Marlin D. Brinson, P. E.
(Submitted under previous NOA No. 11-0421.03)

G. OTHERS

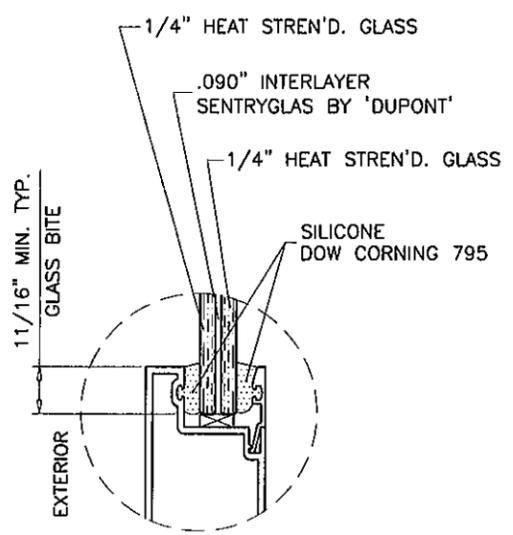
1. Notice of Acceptance No. **11-0421.03**, issued to R.C. Aluminum Industries, Inc., for their Series "**RD45 Single Outswing Aluminum Entrance Door - L.M.I.**", approved on 07/14/11 and expiring on 08/19/14.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0410.17
Expiration Date: August 19, 2014
Approval Date: June 14, 2012

no	date	description
A	06.10.11	REV. PER BNC COMMENTS
B	03.20.12	UPDATED TO 2010 FBC

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



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 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

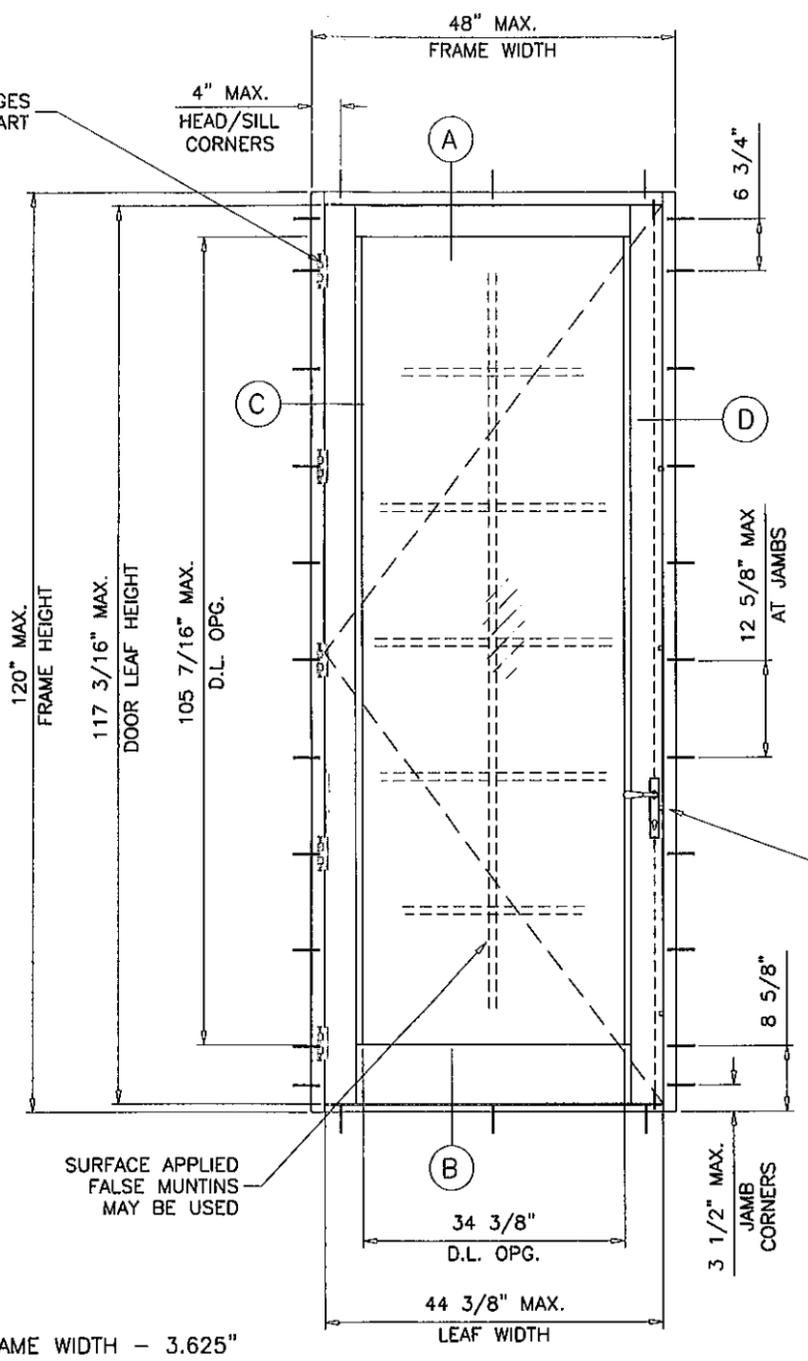
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 THE 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



TYPICAL ELEVATION

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

MAX. FRAME WIDTH	MAX. FRAME HEIGHT	NO. OF LOCKING POINTS PER LEAF
36"	90"	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

LOCKING POINTS SEE CHART

4 POINT LOCK 5 POINT LOCK 6 POINT LOCK

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. **12-0410.17**
 Expiration Date **08/19/2014**
 By *[Signature]*
 Miami Dade Product Control

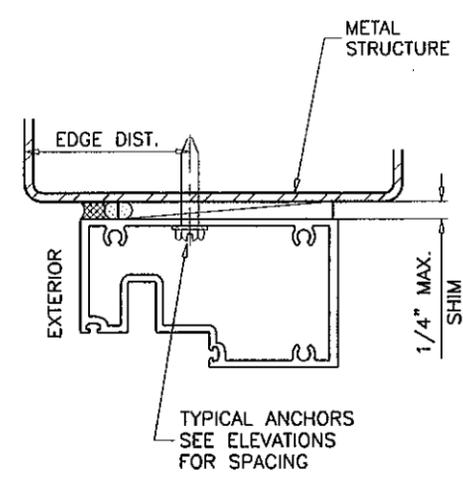
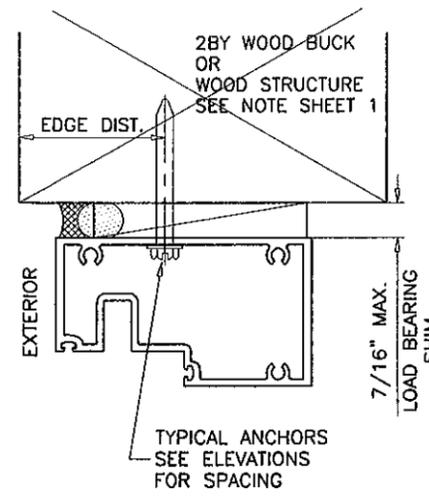
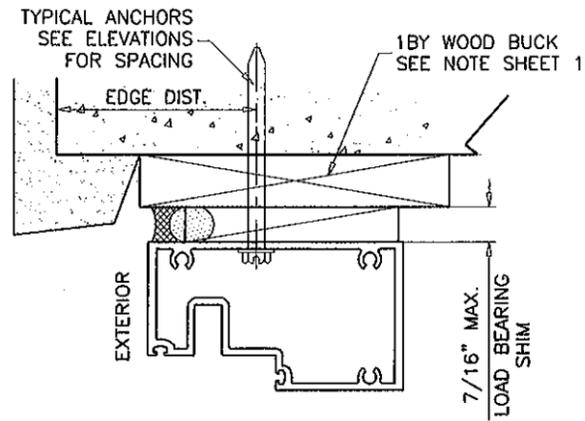
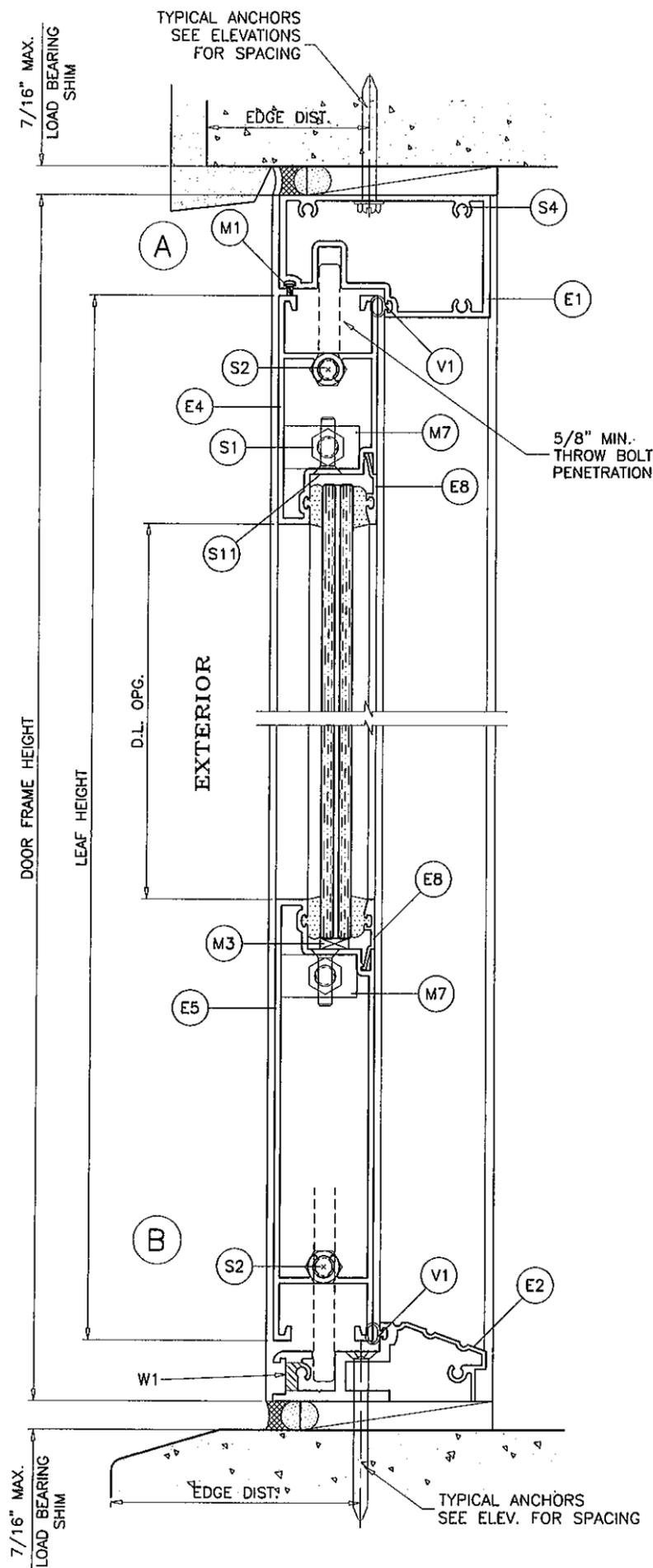
MAXIMUM DESIGN LOAD RATING = + 125.0 PSF
 (FOR SIZES SHOWN ABOVE OR SMALLER) - 125.0 PSF
 AS ALLOWED BY FBC

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

[Signature]

MAR 23 2012

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



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.

PRODUCT REVISED
 as complying with the Florida
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 By [Signature]
 Miami Dade Product Control

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 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
[Signature]
 MAR 23 2012

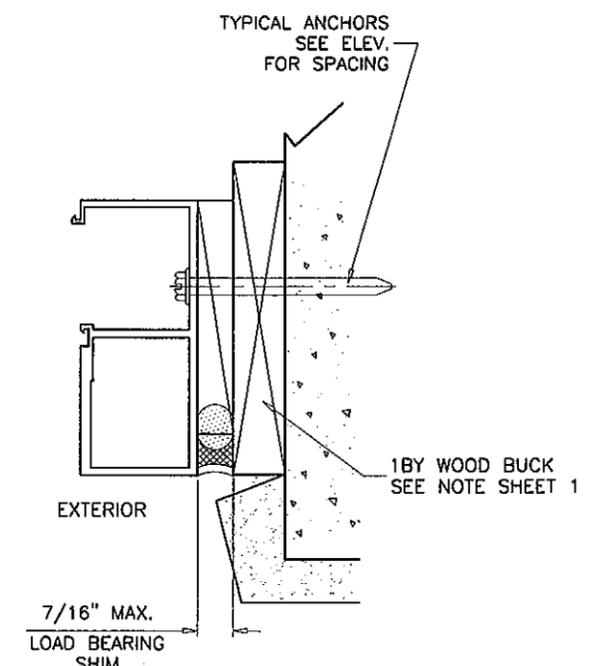
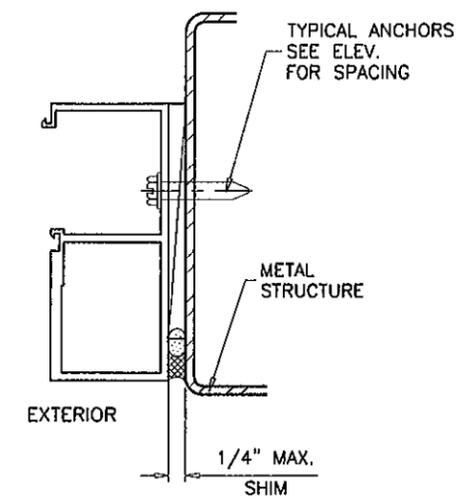
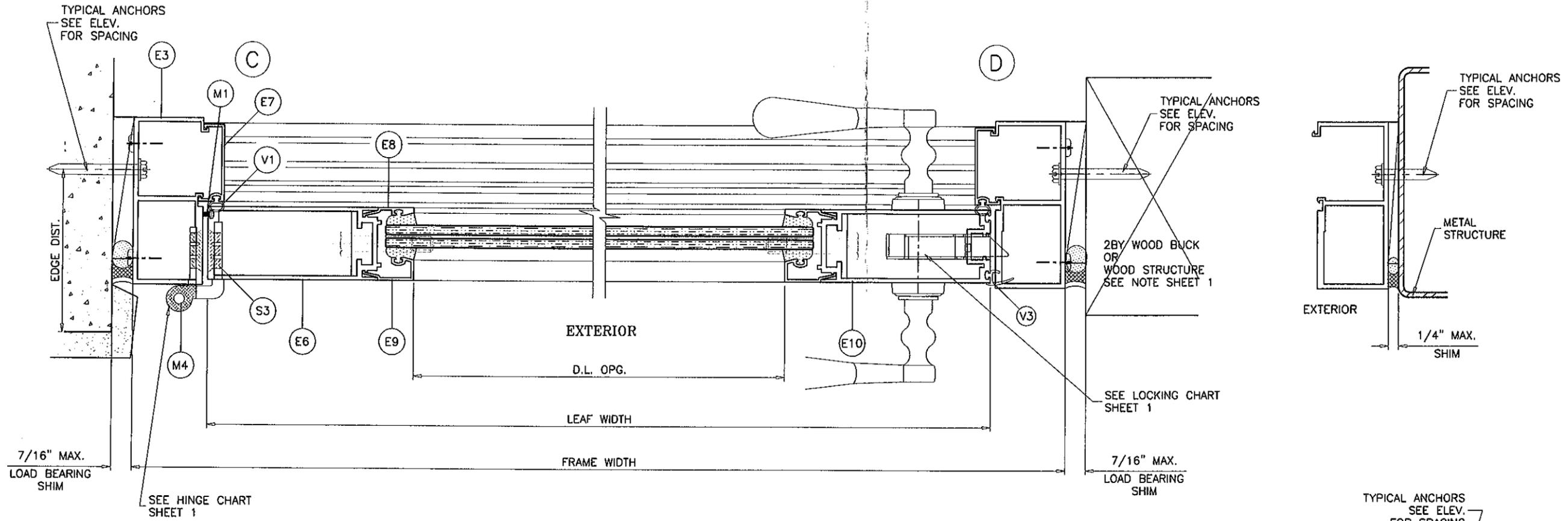
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL\W11-11RC

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
	A	10.6.10.11	REV. PER BNC COMMENTS
	B	10.3.20.12	NO CHANGE THIS SHEET

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

drawing no.
W11-11
 sheet 2 of 5



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
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 COMP-ANL\W11-11RC

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no.	date	by	description
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B	03.20.12	NO CHANGE THIS SHEET	

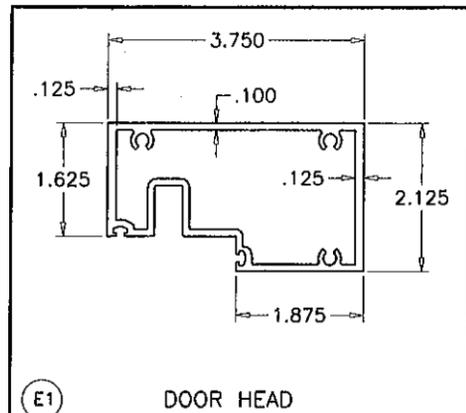
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 chk. by:

drawing no.
W11-11
 sheet 3 of 5

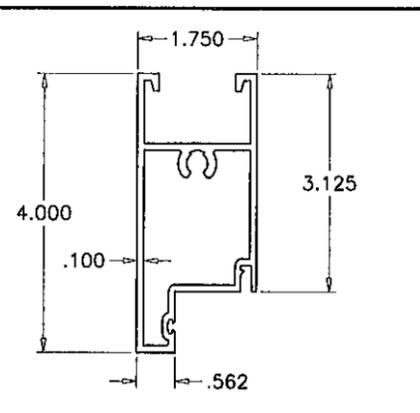
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 as complying with the Florida
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 By *[Signature]*
 Miami Dade Product Control

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

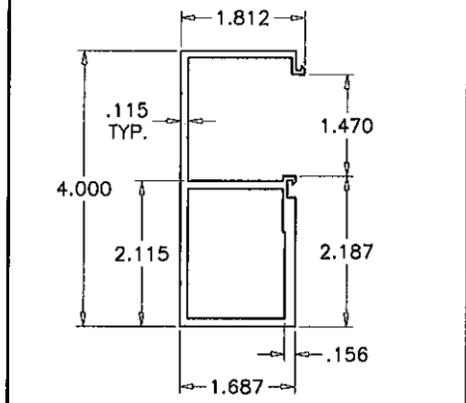
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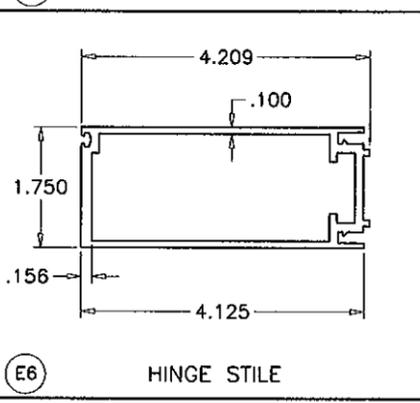
E1 DOOR HEAD



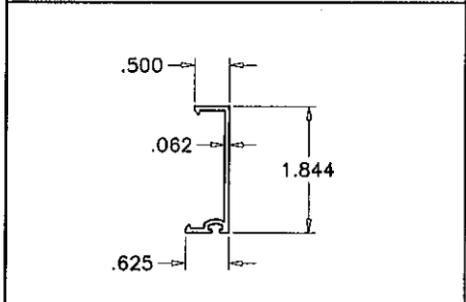
E4 TOP RAIL



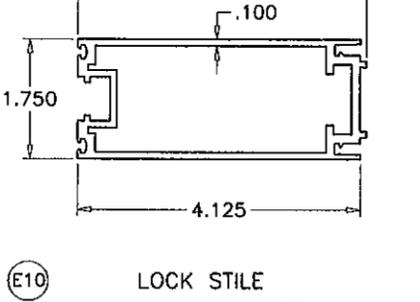
E3 FRAME JAMB



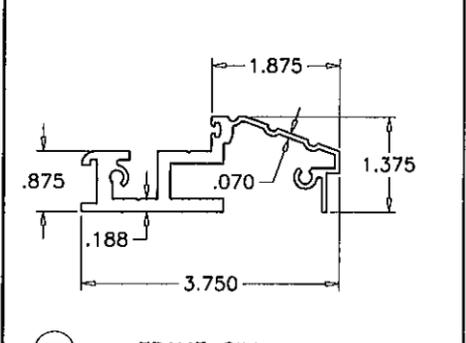
E6 HINGE STILE



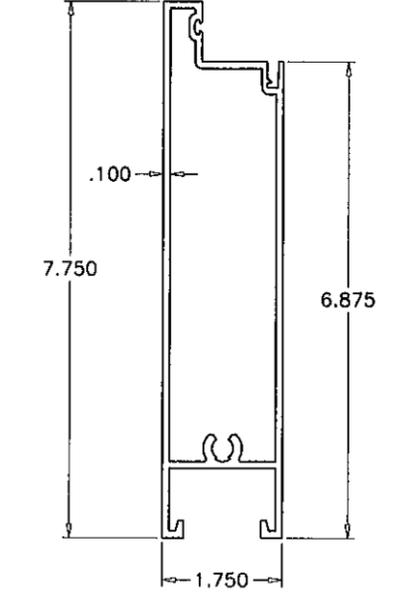
E7 VERT. JAMB STOP



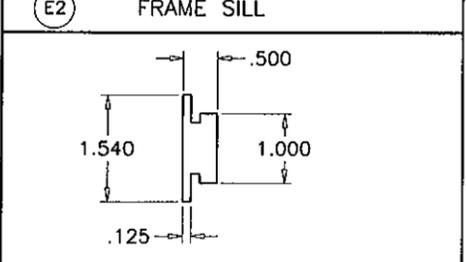
E10 LOCK STILE



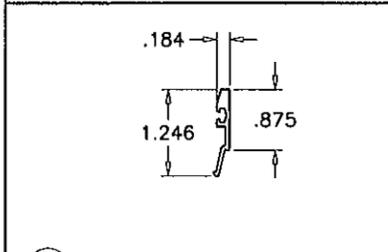
E2 FRAME SILL



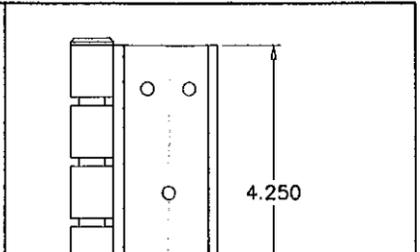
E5 BOTTOM RAIL



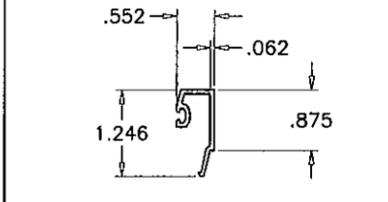
SHEAR BLOCK



E8 INTERIOR GLAZING BEAD



M4 HANDICAP OFFSET HINGE



E9 VERT. EXT. GLAZING BEAD

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

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[Signature]

MAR 23 2012

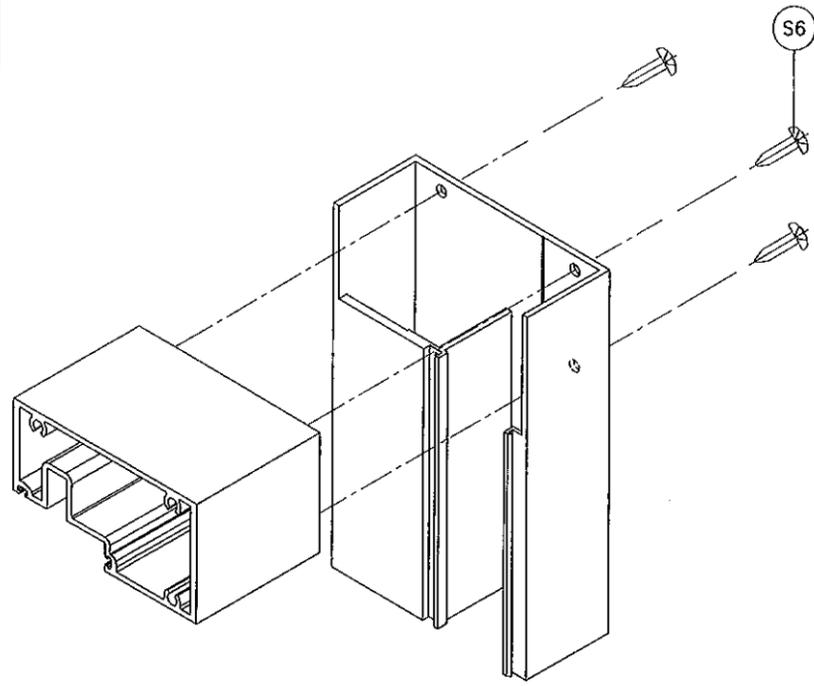
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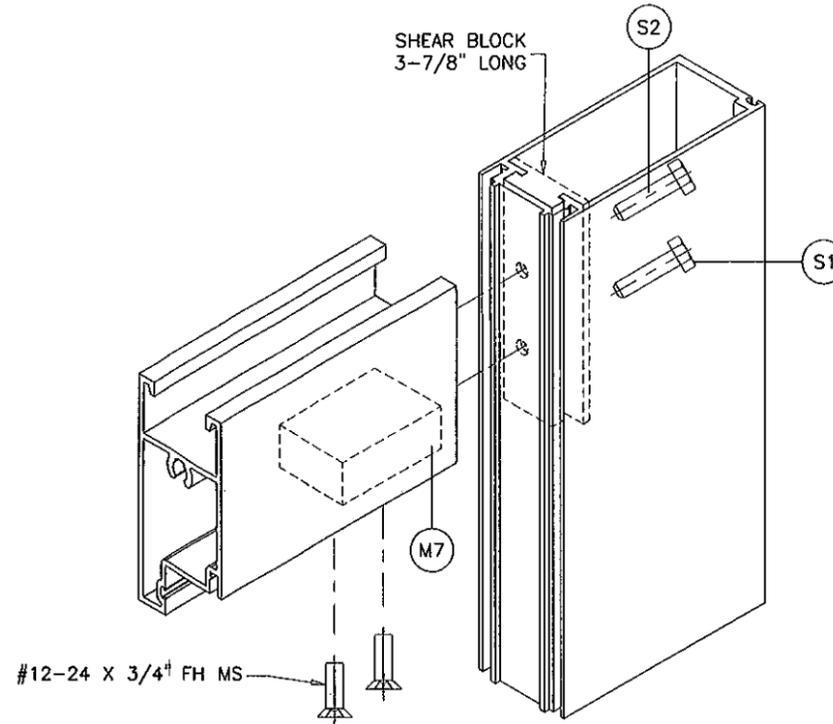
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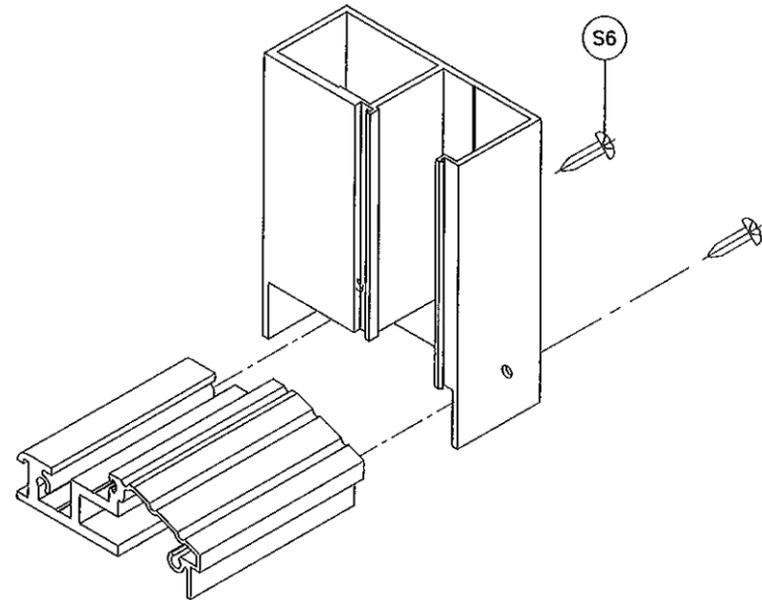
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W11-11
 sheet 4 of 5



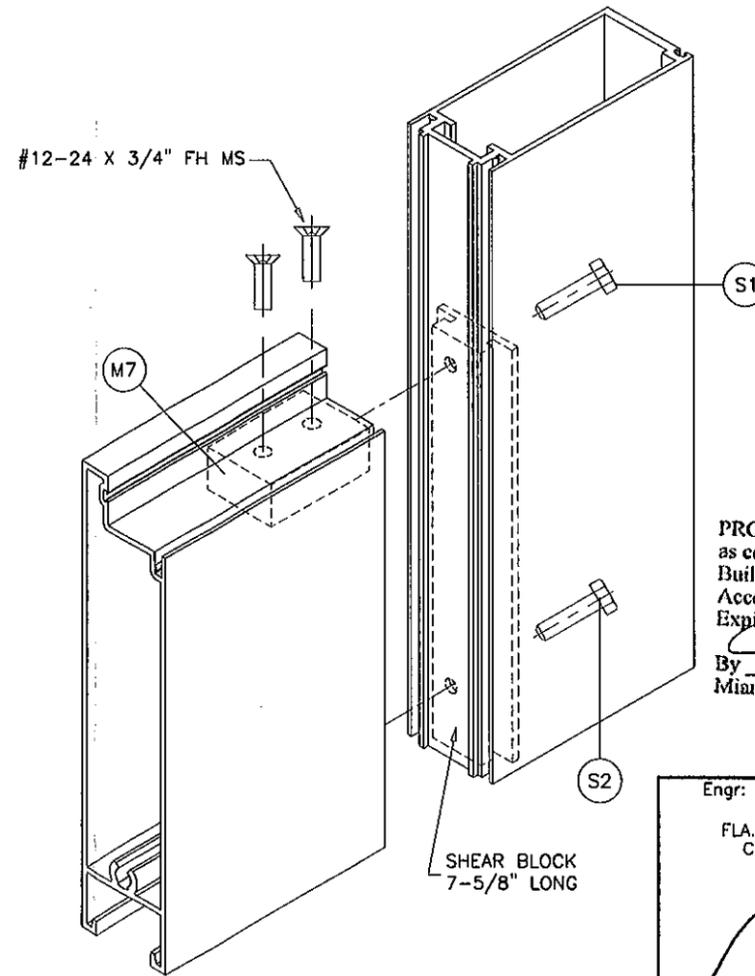
DOOR TOP CORNER



LEAF TOP CORNER



DOOR BOTTOM CORNER



LEAF BOTTOM CORNER

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afc
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drawing no.
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sheet 5 of 5