



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

RC Home Showcase, Inc.

16115 NW 52nd Avenue

Hialeah, FL 33014

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 RER-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. RER 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" Alum Outswing Entrance Door w/wo Transom and Sidelites – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-37 Rev M**, titled "Series RD45 Alum. Entrance Door (L.M.I.)", sheets 1 through 10 of 10, dated 05/09/04 and last revised on DEC 07, 2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E., bearing the Miami-Dade County Product Control Section 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

Limitations:

1. Load bearing shim required.
2. Max 1/4" shim allowed in steel substrates.
3. When Door mulled with transom and/or sidelite, lower Design Pressure will control, entire system.

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. 18-0517.06** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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

NOA No. 20-1216.18

Expiration Date: August 19, 2024

Approval Date: January 28, 2021

Page 1



Ishaq I. Chanda

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. W04-37, titled "Series RD45 Alum Entrance Door (L.M.I.)", sheets 1 through 10 of 10, dated 05-09-04 and last revised on July 14, 2008, prepared by the AL-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, 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 202-94
along with marked-up drawings and installation diagram of aluminum entrance door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s). FTL-4154, dated March 24, 2004, FTL-4155, dated March 30, 2004, FTL-4166, dated March 31, 2004, signed and sealed by Edmundo Largaespada, P. E.
2. Additional test report No. FTL-5390 dated 02/18/2008 per TAS 201,202 and 203-94, issued by Fenestration Testing Lab, signed and sealed by Carlos S. Rionda, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, prepared by AL-Farooq Corporation, dated May 29, 2008 and last revised on July 14, 2008, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies w/ASTME-1300-02.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 04-0816.02 issued to E.I. DuPont DE Nemours & Co., Inc. for "DuPont Butacite, PVB Material", expiring on February 04, 2010.

F. STATEMENTS

1. Statement letter of compliance and "no financial interest", dated April 29, 2008 signed and sealed by Humayoun Farooq, P.E.
2. Statement of Lab compliance, as part of the above referenced test reports.

G. OTHER

1. This NOA revises NOA # 04-0608.03, issued to RC Aluminum Industries, Inc. expiring on Aug 19, 2009.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 20-1216.18
Expiration Date: August 19, 2024
Approval Date: January 28, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Drawing No. **W04-37**, titled "Series RD45 Alum. Entrance Door (L.M.I.)", sheets 1 through 10 of 10, dated 05/09/04 with revision "**J**" dated 04/18/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS (Submitted under NOA's No. 's 04-0608.03 and 08-0613.07)

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 202-94

along with marked-up drawings and installation diagram of aluminum outswing door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s

1. FTL-5390, dated 02/18/08, signed and sealed by Carlos S. Rionda, P. E. (Submitted under NOA No. 08-0613.07).
2. FTL-4154, dated 03/24/04, FTL-4155, dated 03/30/04 and FTL-4166, dated 03/31/04, all signed and sealed by Edmundo Largaespada, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by Al-Farooq Corporation, dated 09/25/15 revised on 04/18/16, signed and sealed by Javad Ahmad, P. E.
2. Glazing complies with ASTM E1300-04/ 09.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC 5th Edition (2014) and no financial interests, issued by Al-Farooq Corporation, dated 09/21/15, signed and sealed by Javad Ahmad, P. E.
2. name changed to RC HOME SHOWCASE, INC. as registered in the Florida Department of State, Division of Corporation, documents dated 10/11/13. (Submitted under NOA No. 13-1112.06).

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 20-1216.18
Expiration Date: August 19, 2024
Approval Date: January 28, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continue)

3. Asset purchase agreement dated 10/01/13, signed by Mr. Manuel A. Kronfle-Kozhaya, Mr. Henry F. Kronfle-Kozhaya, Mr. Raul Casares, Mr. Eusebio Paredes and Ms. Nancy Vias. (Submitted under NOA No. 13-1112.06)
4. Statement letter of complying with the Sales of Assets issued by RC Aluminum Industries, Inc., dated 10/30/2013, signed by Raul Casares, President
5. Statement of Lab compliance, as part of the above referenced test reports.
6. Proposals issued by Product Control:
 - I. No. 07-2426, dated 05/08/07, signed by Ishaq Chanda, P. E. (Submitted under NOA No. 08-0613.07)
 - II. Dated 07/18/06, signed by Jaime D. Gascon, P. E. (Submitted under NOA No. 08-0613.07)
 - III. Dated 12/03/03, signed by Jaime D. Gascon, P. E. (Submitted under NOA No. 04-0608.03)

G. OTHER

1. Notice of Acceptance No. 13-1112.06, issued to R.C. Aluminum Industries, Inc. for their Series "RD45 Outswing Aluminum Entrance Door w/ wo transom and sidelites - L.M.I.", approved on 12/26/13 and expiring on 08/19/19.

3. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Drawing No. W04-37, titled "Series RD45 Alum. Entrance Door (L.M.I.)", sheets 1 through 10 of 10, dated 05/09/04 with revision "L" dated 03/16/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), prepared by Al-Farooq Corporation, dated 02/12/18 and revised 03/21/18, signed and sealed by Javad Ahmad, P. E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to FBC 6th Edition (2017) and no financial interests, issued by Al-Farooq Corp., dated 02/12/18, signed & sealed by Javad Ahmad, P.E.

G. OTHERS

1. This NOA revises NOA #15-1007.02, expiring on 08/19/19.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 20-1216.18
Expiration Date: August 19, 2024
Approval Date: January 28, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED under previous approval.

A. DRAWINGS

1. Drawing No. **W04-37**, titled “Series RD45 Alum. Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05/09/04 with revision “L” dated 03/16/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. None.

C. CALCULATIONS (submitted under file #18-0213.02)

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1114.14** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)** and no financial interests, issued by Al-Farooq Corporation, dated 02/12/18, signed and sealed by Javad Ahmad, P. E.

G. OTHERS

1. This NOA **renews** NOA #**18-0213.02**, expiring on 08/19/24.
2. RER e-mail correspondence dated March 06, 2019 and Manufacturer's acknowledgement of future verification test with added glazing dated March 08, 2019.

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W04-37 Rev M**, titled “Series RD45 Alum. Entrance Door (L.M.I.)”, sheets 1 through 10 of 10, dated 05/09/04 and last revised on DEC 07, 2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 12/09/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 20-1216.18
Expiration Date: August 19, 2024
Approval Date: January 28, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated 12/09/20, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. This NOA revises **NOA No. 18-0517.06**, expiring 08/19/24.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 20-1216.18
Expiration Date: August 19, 2024
Approval Date: January 28, 2021

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.18
Expiration Date 08/19/2024
By Ishaq I. Chanda
Miami-Dade Product Control

GLASS D.L.O. DIMS.

D.L.O. HEIGHT = FRAME HEIGHT - 14.5625"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 13.625"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 24.0")/2

SERIES RD45
ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOM SEE ABOVE.
SINGLE (O/X) AND DOUBLE (O/XX) LEAF DOORS WITH TRANSOMS SEE SHEET 2.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 3.
LOWER VALUES FROM SIDELITE CAPACITY CHART OR DOOR CAPACITY WILL
APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS
TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

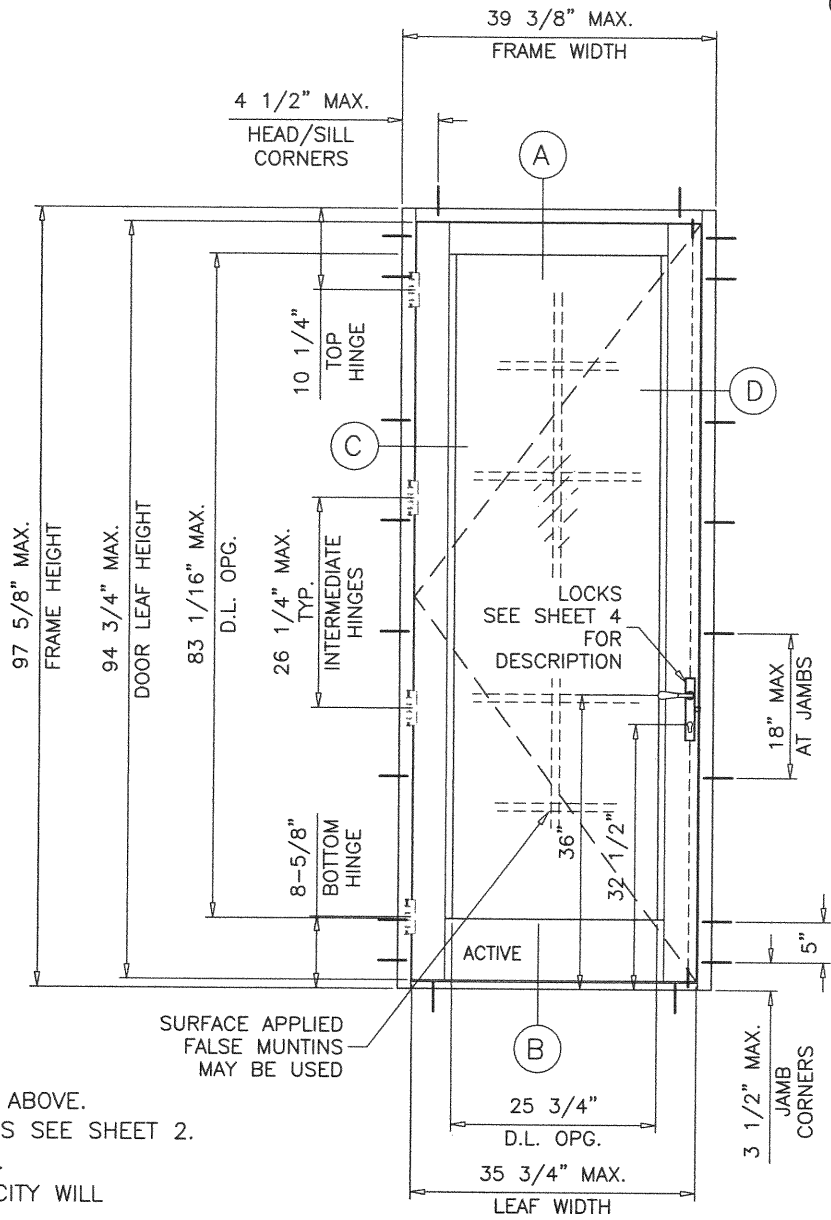
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



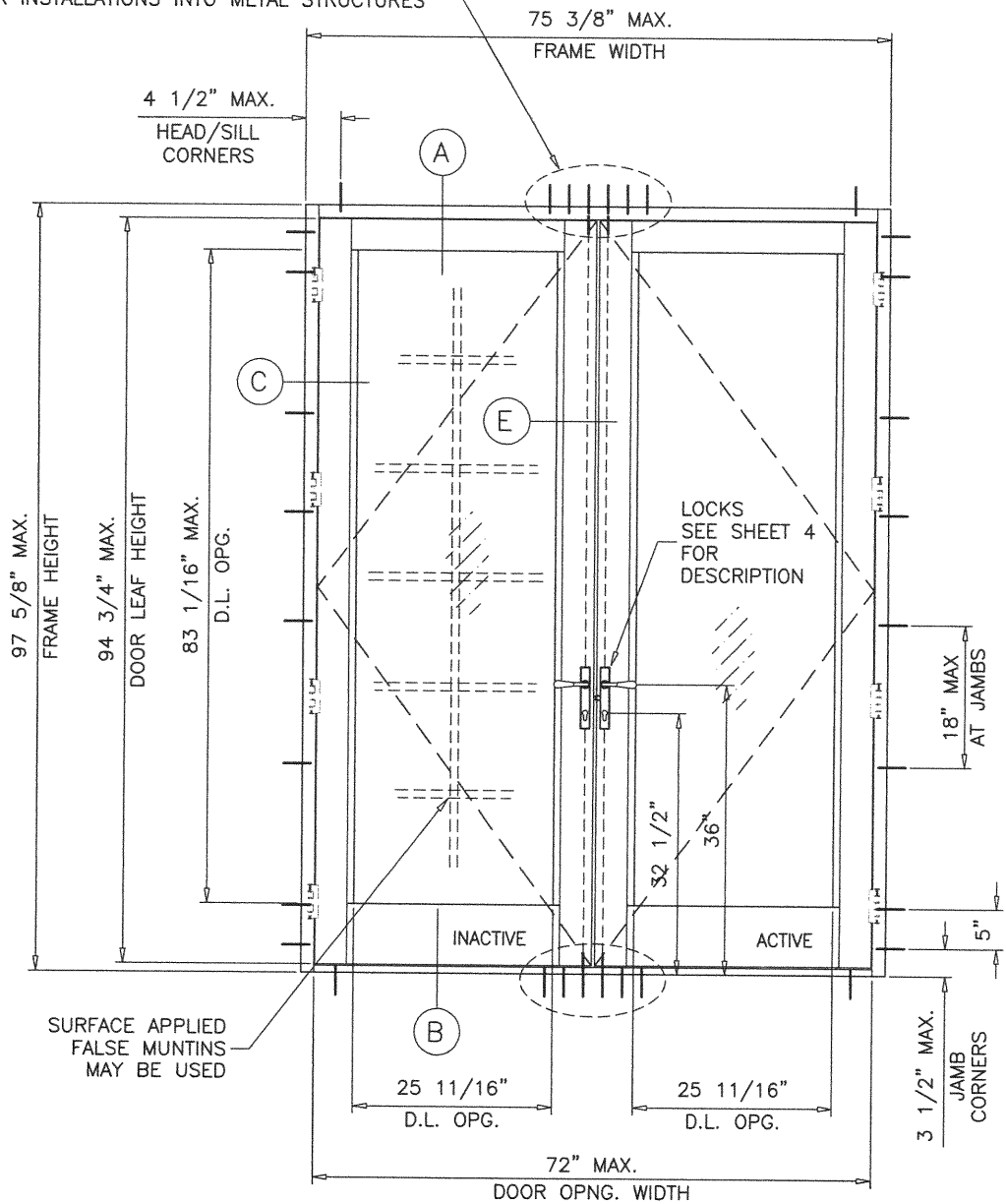
(X)

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 80.0 PSF

EGRESS REQUIREMENTS TO BE REVIEWED BY
BLDG. OFFICIAL.

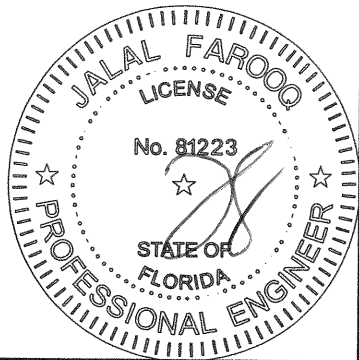
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

HEAD/SILL ANCHORS AT STILE ENDS
AT 2-1/2" O.C.
(6) FOR INSTALLATIONS INTO WOOD/CONC.
(3) FOR INSTALLATIONS INTO METAL STRUCTURES



(XX)

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



DEC 07 2020

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-37RC

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

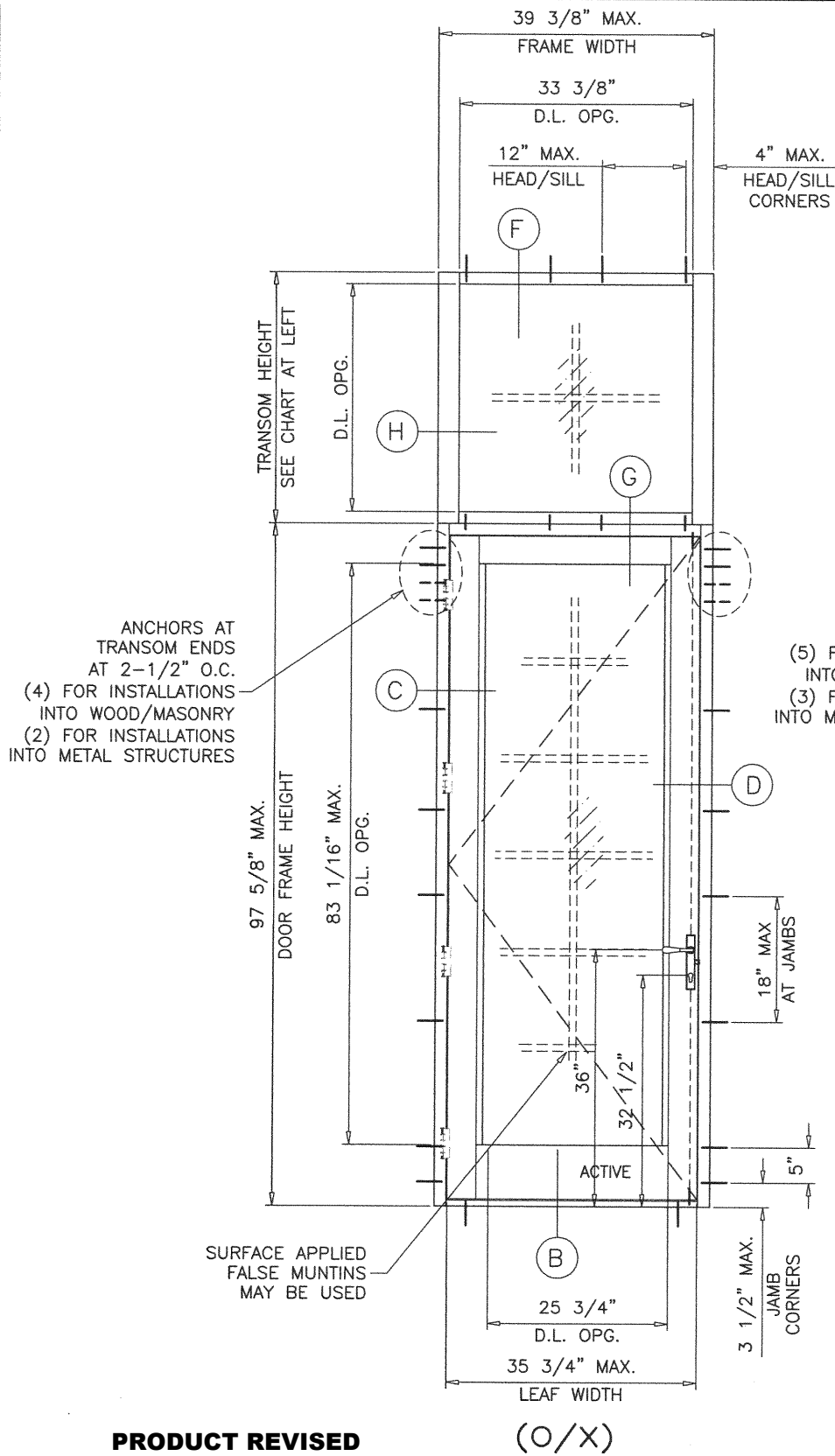
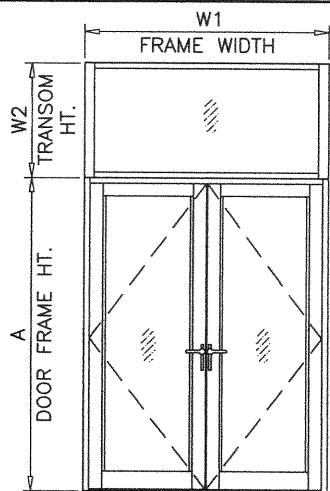
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

no	date	by	description
I	03.17.16		REV. PER RER COMMENTS
J	04.18.16		REV. PER RER COMMENTS
K	02.13.18		UPDATED TO 2017 FBC
L	03.16.18		NO CHANGE THIS SHEET
M	11.30.20		UPDATED TO 2020 FBC

date: 05-09-04
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
W04-37
sheet 1 of 10

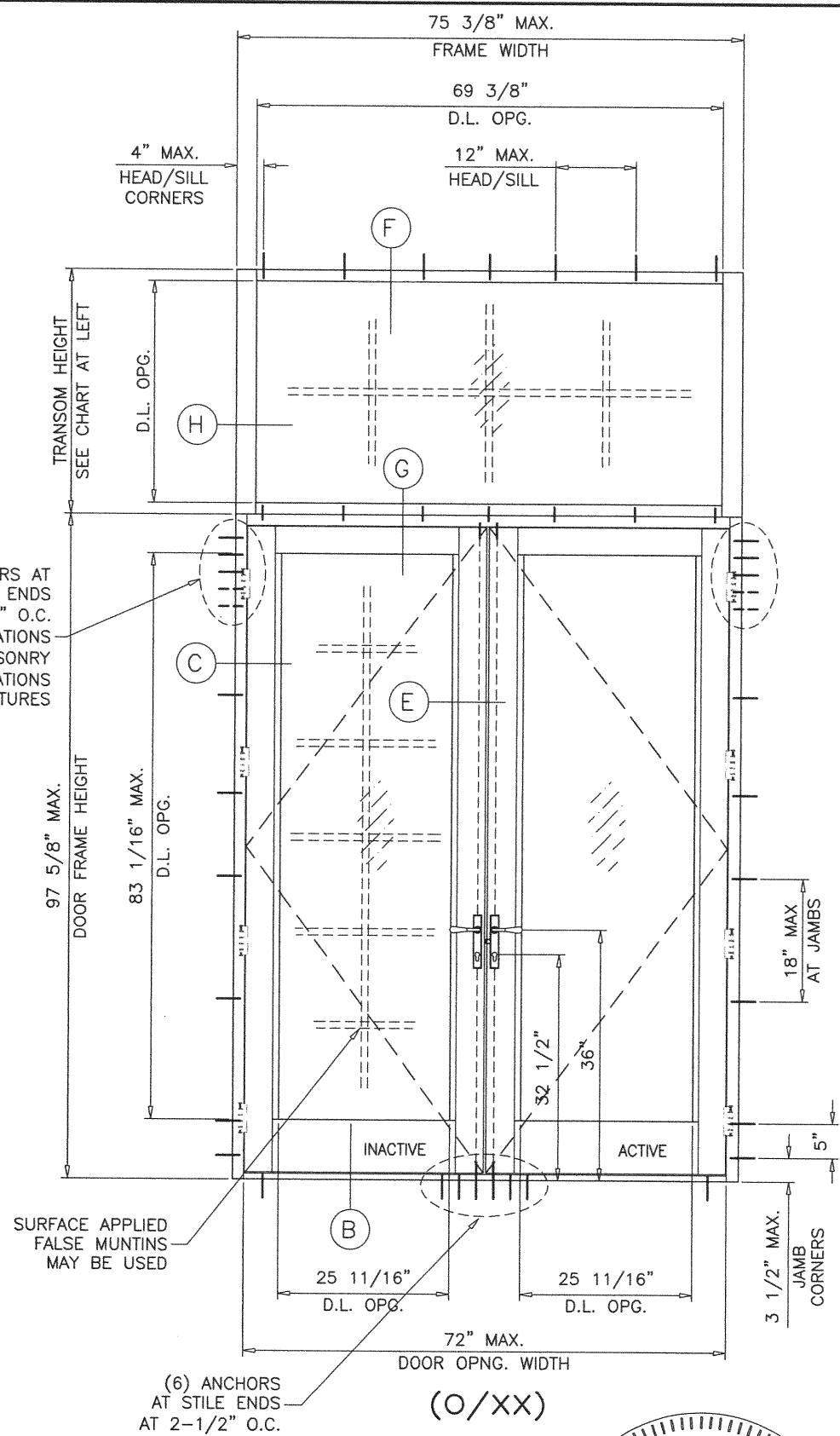
DESIGN LOAD CAPACITY - PSF SINGLE OR DOUBLE ENTRANCE DOORS WITH TRANSOMS				
WIDTH-W1 INCHES	WIDTH-W2 INCHES	DOOR HEIGHT-A INCHES	GLASS TYPE 'A' EXT.(+)/INT.(-)	GLASS TYPE 'B' EXT.(+)/INT.(-)
63-3/8	24	81-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
	43-5/8		69.0	69.0
69-3/8	24	81-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
75-3/8	24	81-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
63-3/8	24	85-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
	43-5/8		69.0	69.0
69-3/8	24	85-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
75-3/8	24	85-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
63-3/8	24	91-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
	43-5/8		69.0	69.0
69-3/8	24	91-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
75-3/8	24	91-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
63-3/8	24	97-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
	43-5/8		69.0	69.0
69-3/8	24	97-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0
75-3/8	24	97-5/8	80.0	80.0
	30		80.0	80.0
	37-5/8		80.0	80.0



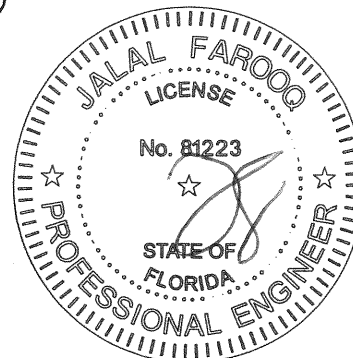
PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-1216.18
Expiration Date 08/19/2024
By *Ishag I. Chande*
Miami-Dade Product Control

$$W1 \text{ (SINGLE DOOR FRAME WIDTH)} = \frac{W1}{2} + 1-5/8"$$

GLASS D.L.O. DIMS. (TRANSOM)
D.L.O. HEIGHT = TRANSOM HEIGHT - 3.375"
D.L.O. WIDTH = TRANSOM WIDTH - 6.0"



DEC 07 2020



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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W04-37RC

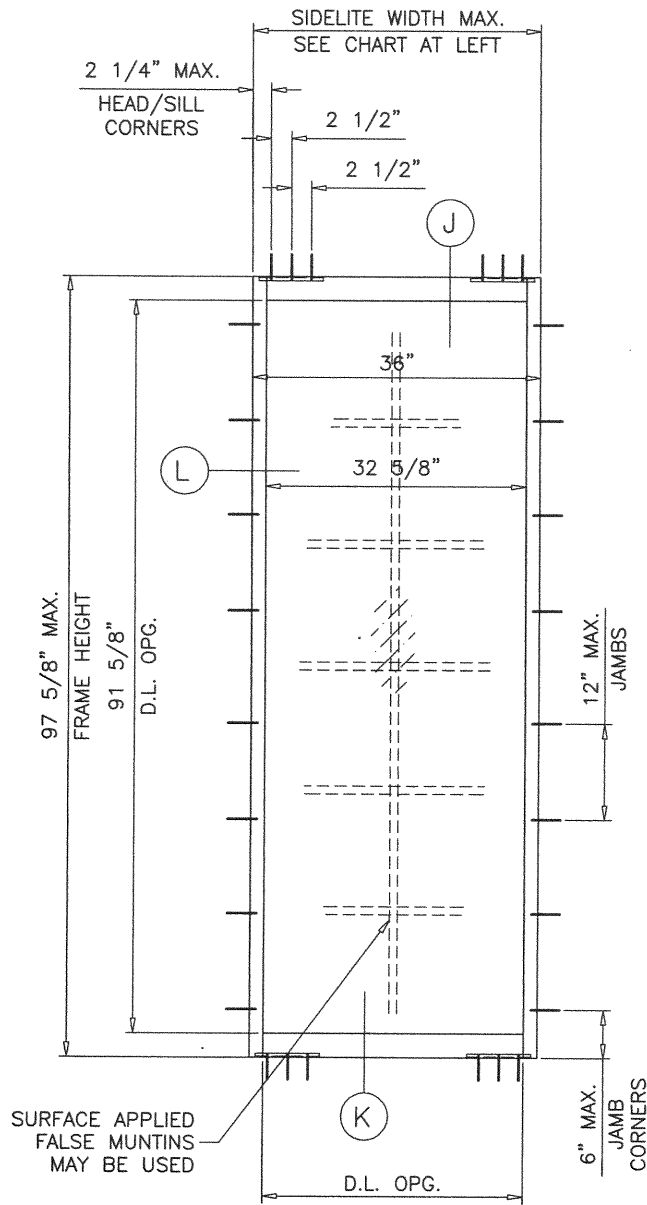
SERIES RD45 ALUM ENTRANCE DOOR (L.M.I.)
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

revisions:	no	date	description	by
	I	03.17.16	REV. PER COMMENTS	
	J	04.18.16	REV. PER COMMENTS	
	K	02.13.18	NO CHANGE THIS SHEET	
	L	03.16.18	NO CHANGE THIS SHEET	
	M	11.30.20	UPDATED TO 2020 FBC	

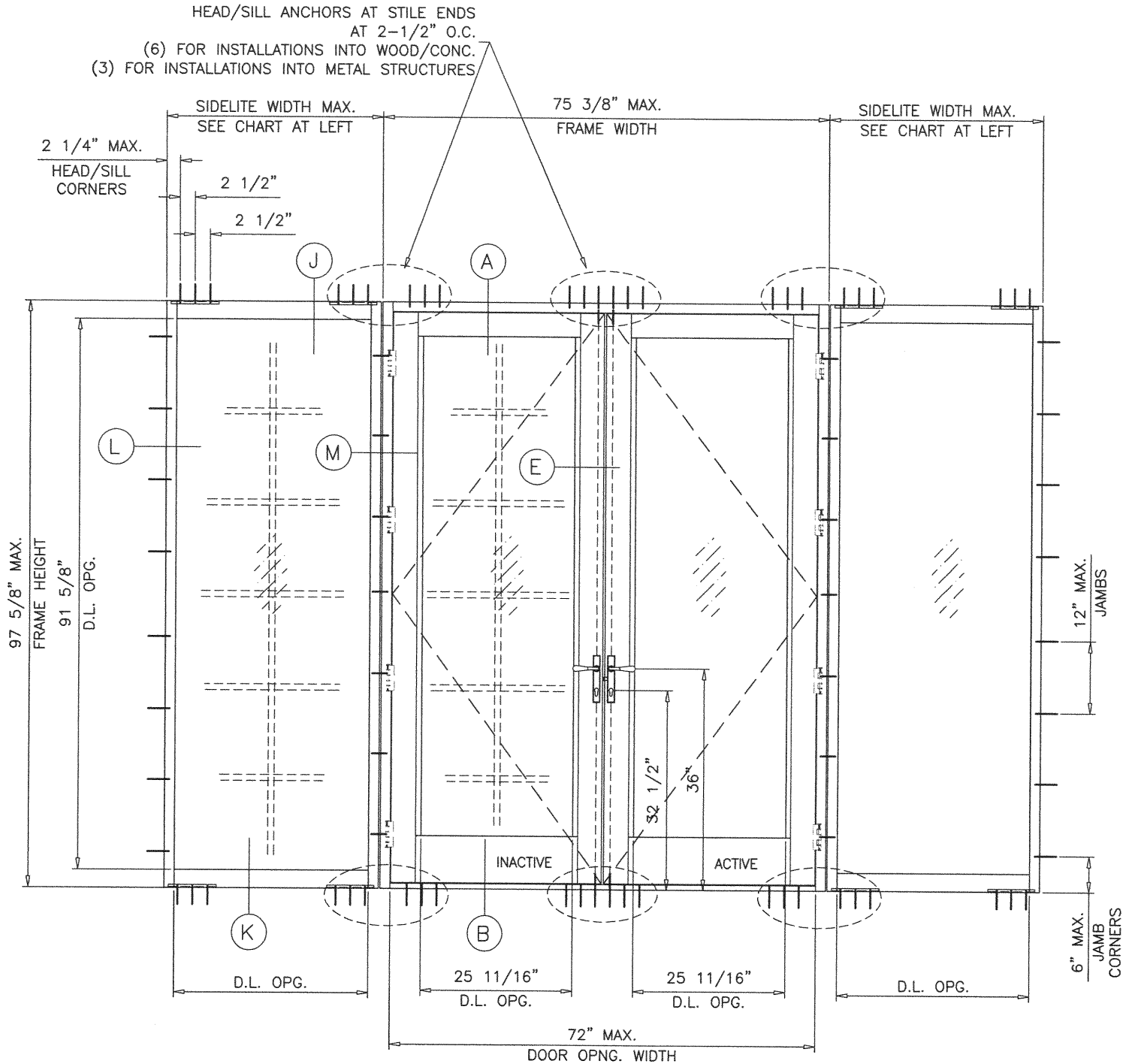
date:	05-09-04
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

drawing no.	W04-37
sheet	2 of 10

DESIGN LOAD CAPACITY - PSF SIDELITES		
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	GLASS TYPE 'A' & 'B' EXT.(+)/INT.(-)
36-1/4	81-5/8	80.0
38-5/8		75.1
41-1/4		70.3
43-1/4		67.1
36-1/4	85-5/8	80.0
38-5/8		75.1
41-1/4		70.3
36-1/4	91-5/8	80.0
36-1/4	97-5/8	80.0



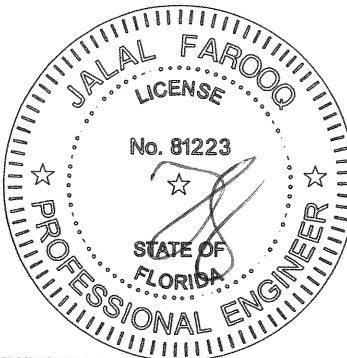
GLASS D.L.O. DIMS. (SIDELITE)
D.L.O. HEIGHT = SIDELITE HEIGHT - 6.0"
D.L.O. WIDTH = SIDELITE WIDTH - 3.375"



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.18
Expiration Date 08/19/2024
By Ishaq I. Chande
Miami-Dade Product Control

NOTE:
FOR DOORS CAPACITY SEE SHEET 1
(MAX. DOOR FRAME WIDTH = 75-3/8"
MAX. DOOR FRAME HEIGHT = 97-5/8")
FOR SIDELITE CAPACITIES SEE CHART ABOVE.
LOWER VALUES FROM DOORS OR SIDELITE
CHART WILL APPLY TO ENTIRE SYSTEM.

DEC 07 2020



afcc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL W04-37RC

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

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16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

revisions:

no	date	description
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K	02.13.18	NO CHANGE THIS SHEET
L	03.16.18	REV. PER RER COMMENTS
M	11.30.20	UPDATED TO 2020 FBC

date: 05-09-04

scale: 1/2"=1'-0"

dr. by: TARIQ

chk. by:

drawing no.

W04-37

sheet 3 of 10

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.18
Expiration Date 08/19/2024
By Ishaq I. Chande
Miami-Dade Product Control

LOCK OPTIONS SINGLE DOORS:

OPTION #1:

3 POINT LOCK SYSTEM BY 'AMESBURY'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR.

OPTION #2:

3 POINT LOCK SYSTEM BY 'HOPPE'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32-1/2' FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR.

LOCK OPTIONS DOUBLE DOORS:

OPTION #1:

ACTIVE LEAF:

3 POINT LOCK SYSTEM BY 'AMESBURY'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR.

INACTIVE LEAF

2 POINT LOCK SYSTEM BY 'AMESBURY'
SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
SURFACE MOUNT ACTUATING HANDLE AT 36" FROM BOTTOM

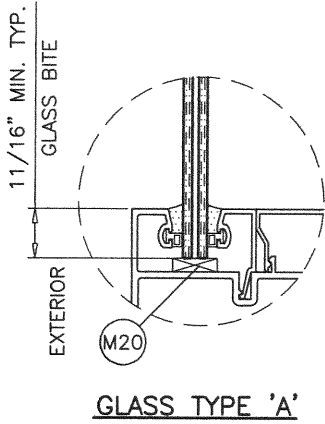
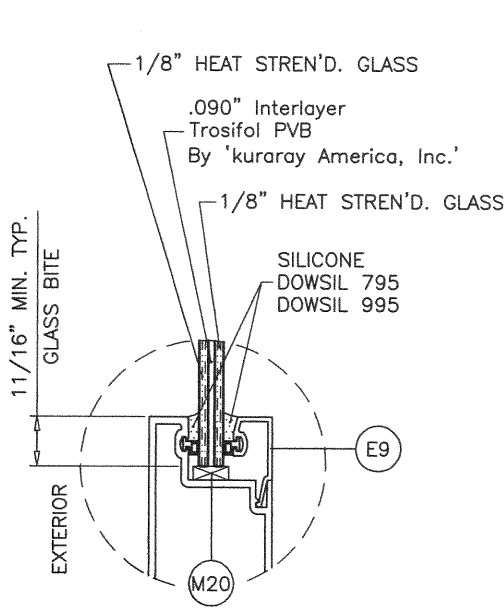
OPTION #2:

ACTIVE LEAF:

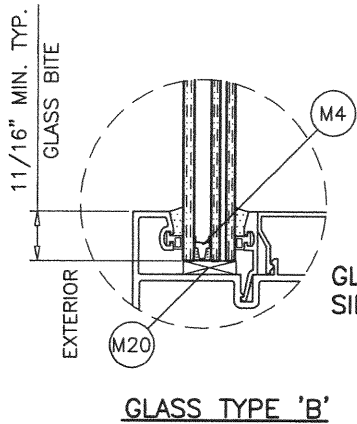
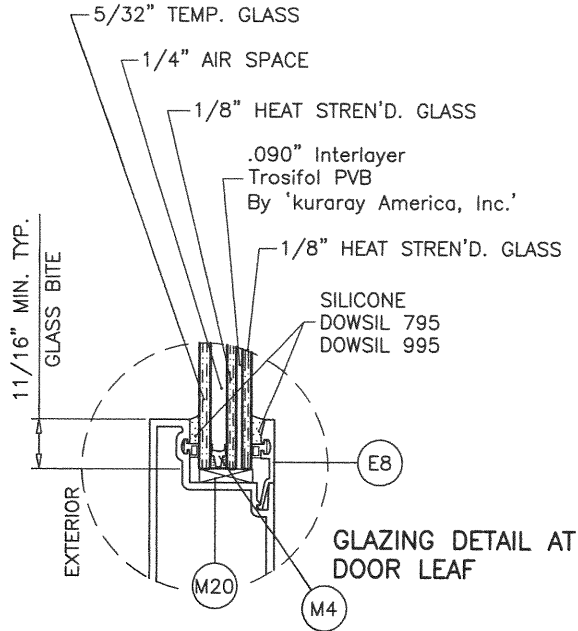
3 POINT LOCK SYSTEM BY 'HOPPE'
WITH SURFACE MOUNT HANDLE AT 36" FROM BOTTOM
AND DEAD BOLT LOCKSET AT 32-1/2' FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
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INACTIVE LEAF

2 POINT LOCK SYSTEM BY 'HOPPE'
SHOOT BOLTS ENGAGING SIMULTANEOUSLY AT HEAD & SILL
SURFACE MOUNT ACTUATING HANDLE AT 36" FROM BOTTOM

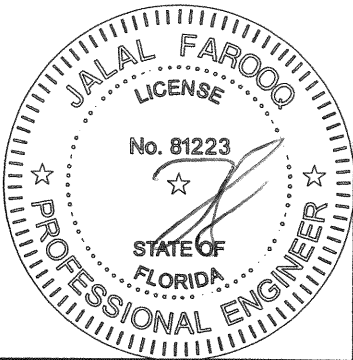


GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS



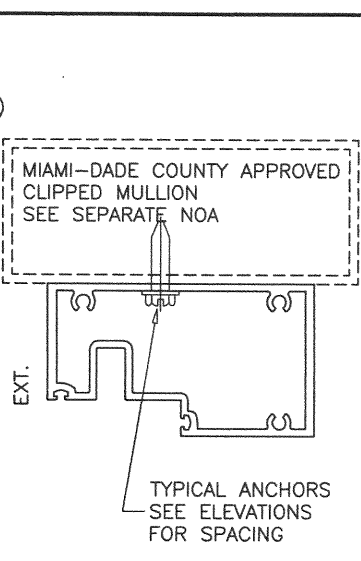
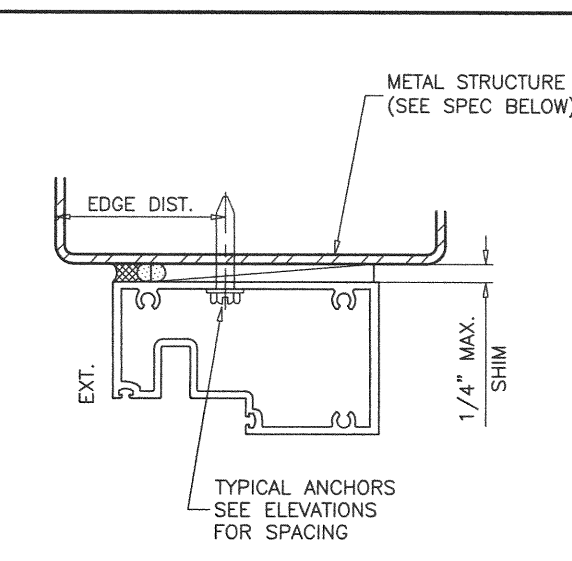
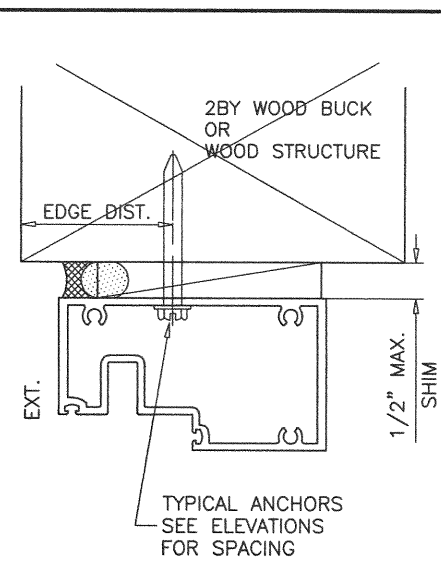
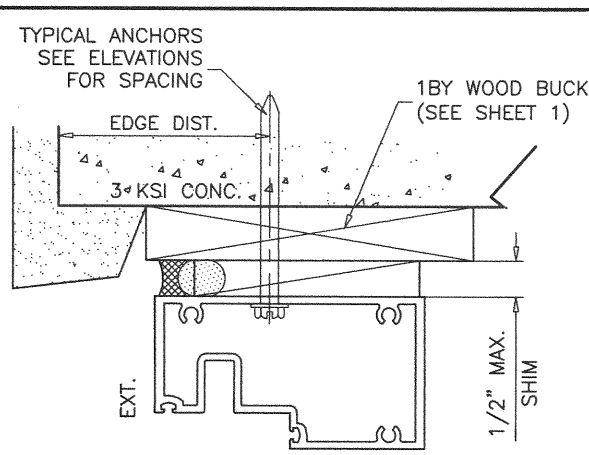
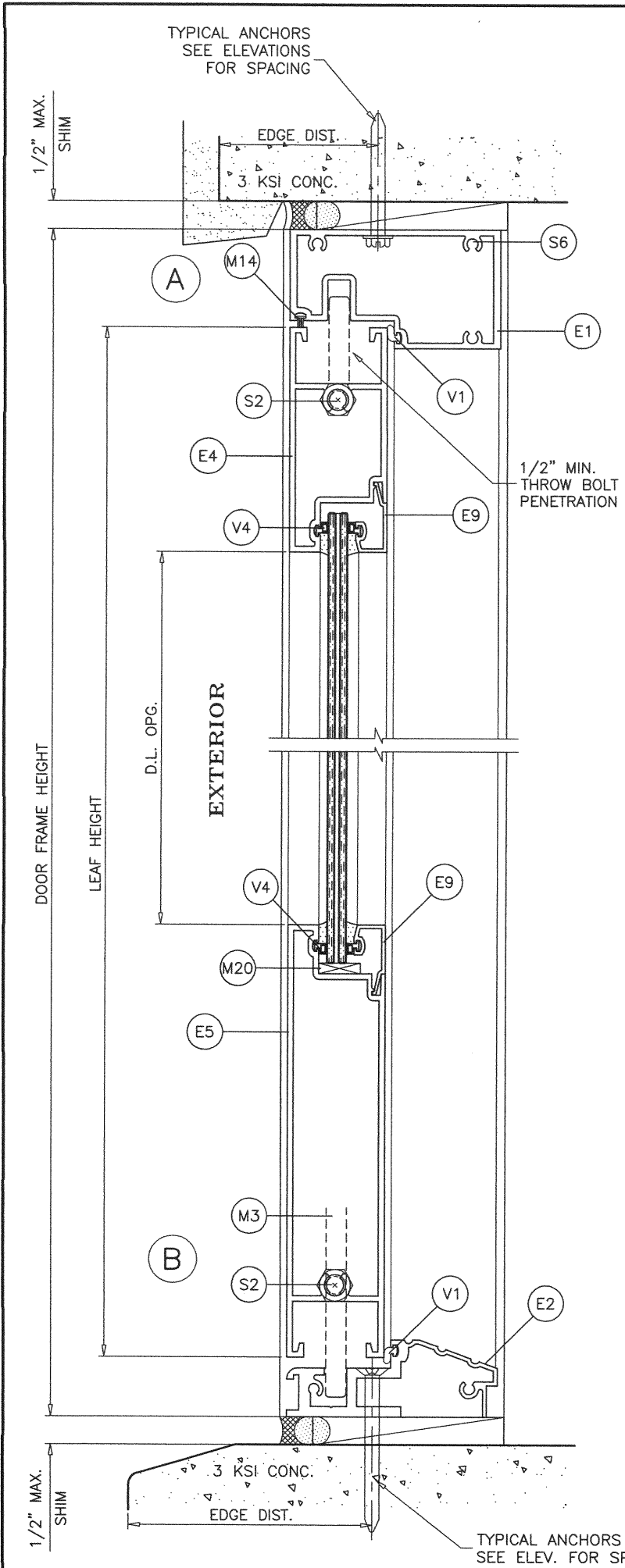
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afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 262-8100 FAX. (305) 262-8978
COMP-ANL\W04-37RC

SERIES RD45 ALUM ENTRANCE DOOR (L.M.I.)
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

revisions:		by description	
no	date	no	description
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date: 05-09-04	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no. W04-37	sheet 4 of 10		



WOOD BUCKS AND METAL STRUCTURES NOT BY 'RC HOME SHOWCASE' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

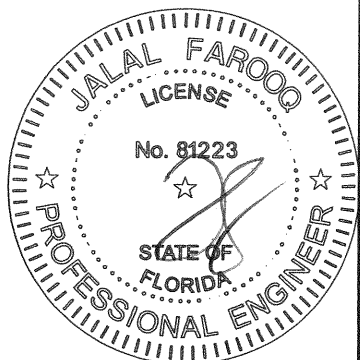
CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK AT JAMBS f'm = 2000 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.

DOOR DETAILS

DEC 07 2020



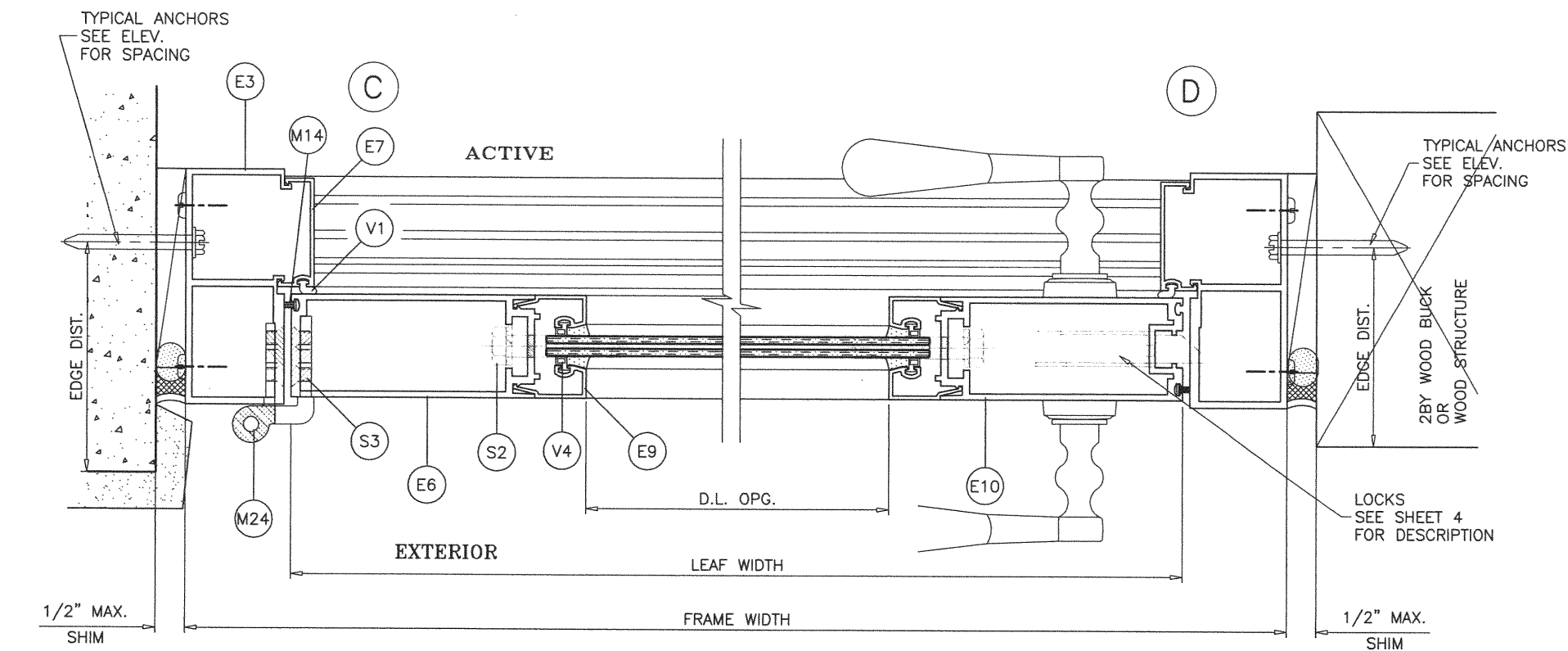
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AL-FAROOQ CORPORATION
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drawing no.
W04-37
sheet 5 of 10

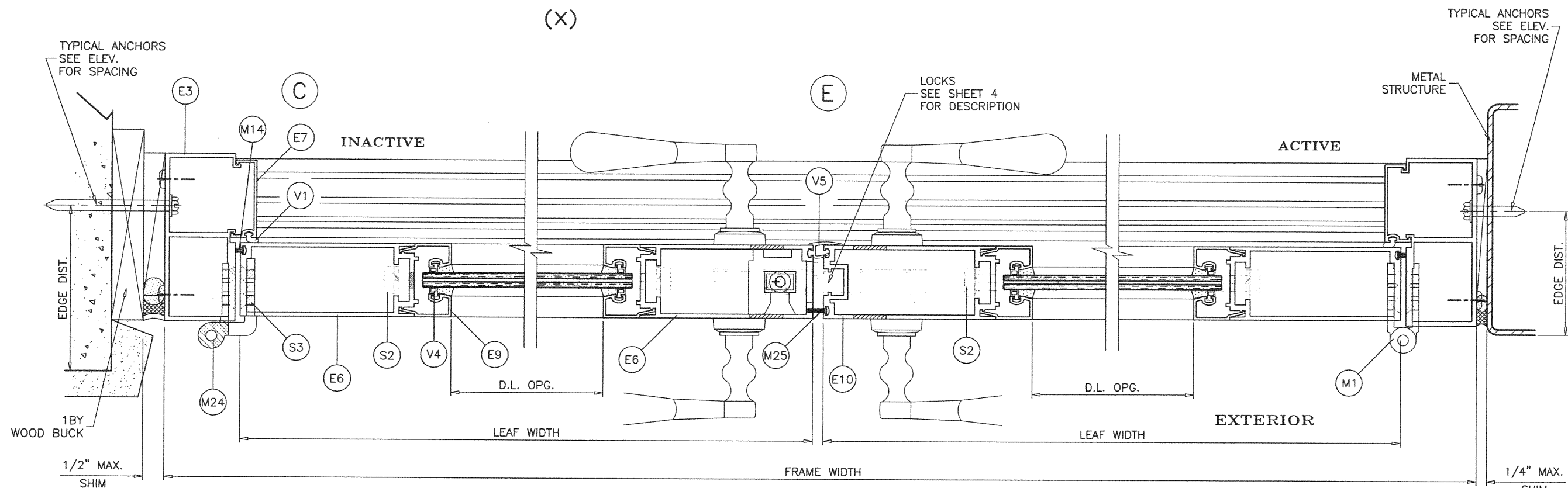


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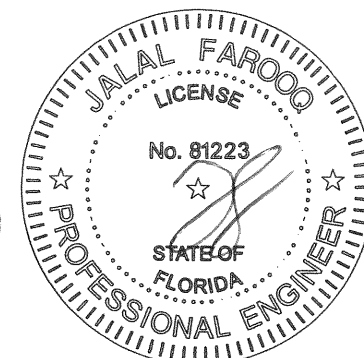
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By Ishaq I. Chande
Miami-Dade Product Control



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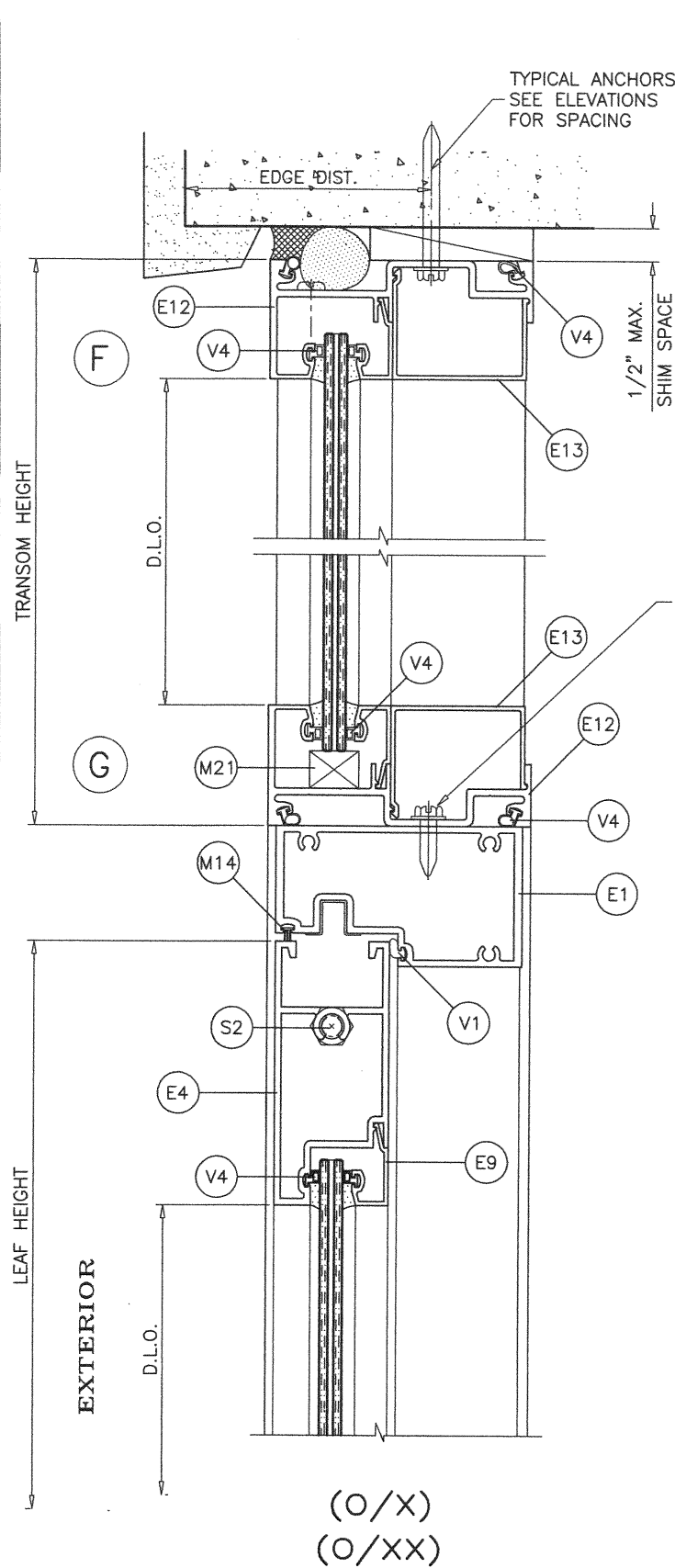
DOOR DETAILS

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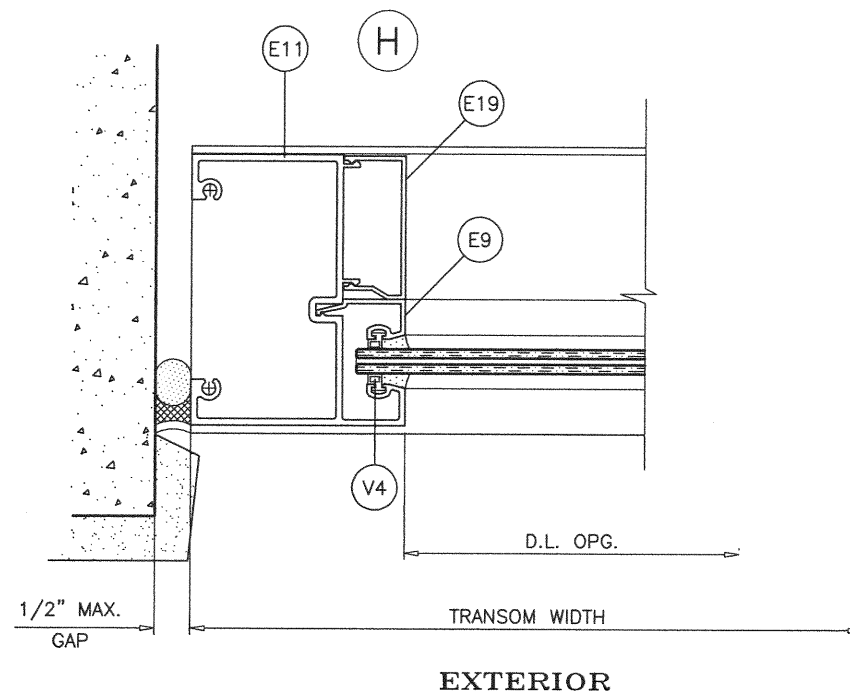
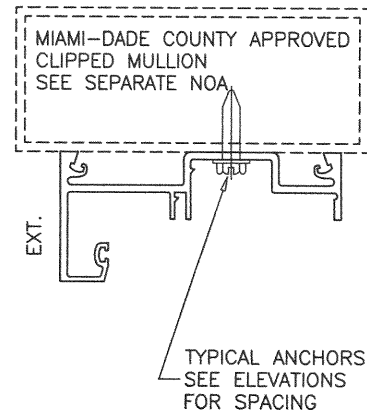
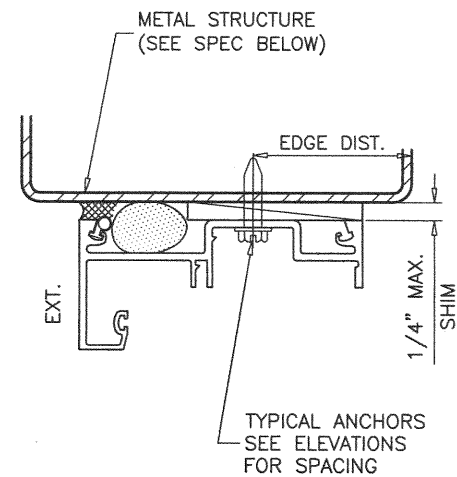
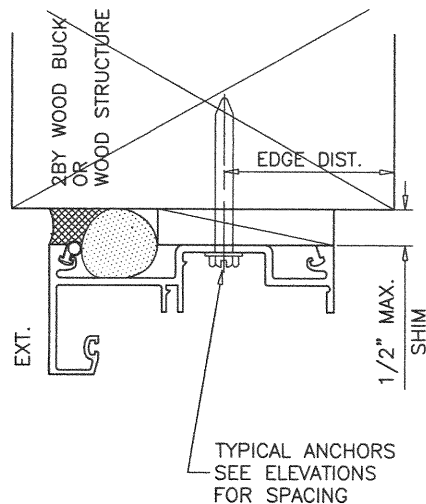
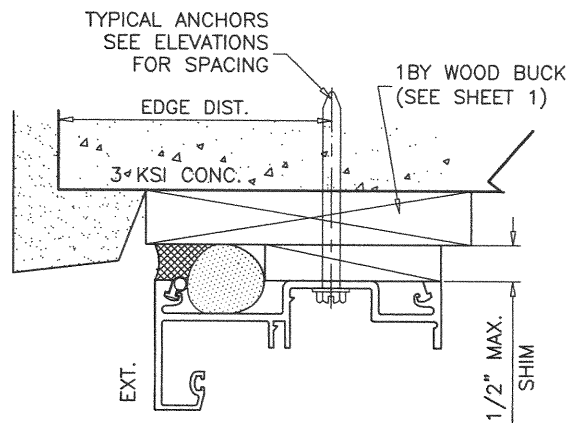
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W04-37
sheet 6 of 10



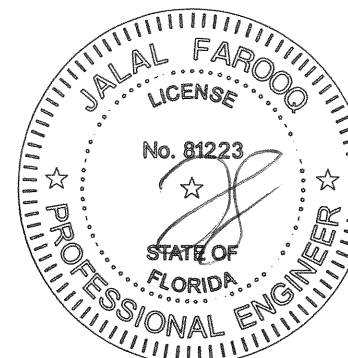
#14 X 1" SELF DRILLING SCREWS AT 4" FROM ENDS AND 12" O.C. MAX.

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Miami-Dade Product Control



TRANSOM DETAILS

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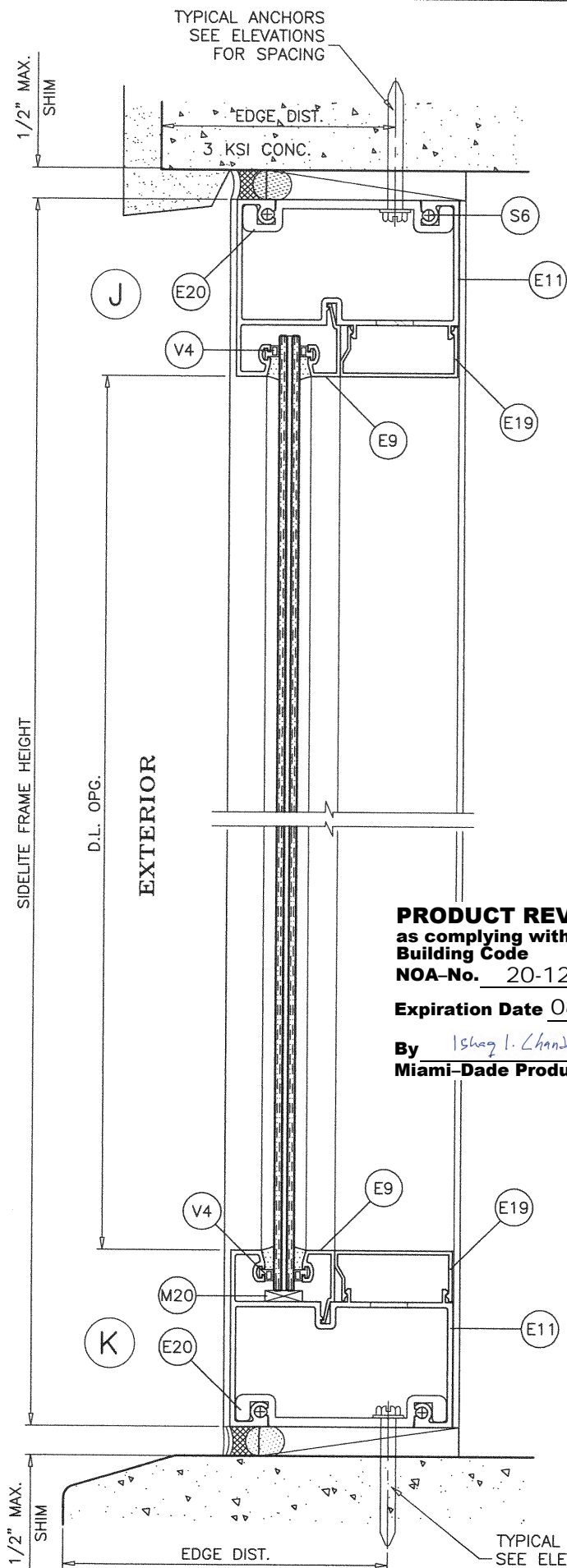
dr. by: TARIQ

chk. by:

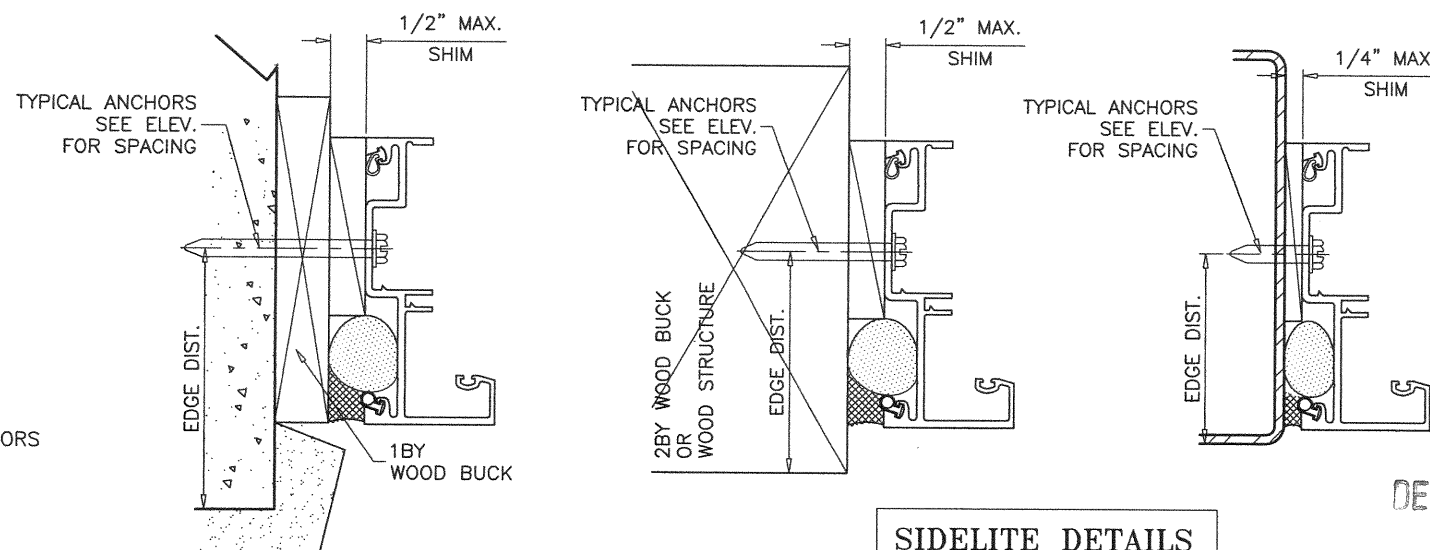
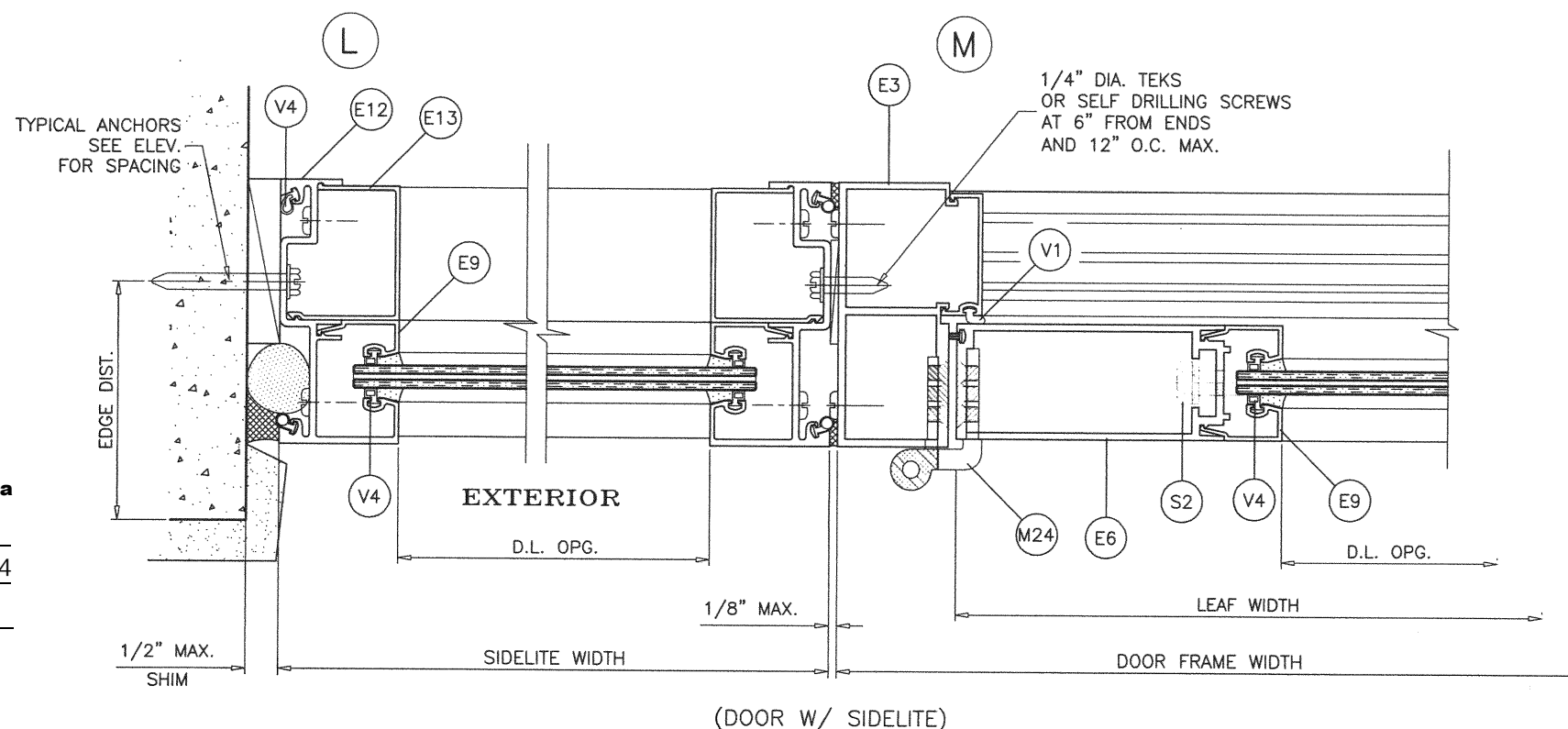
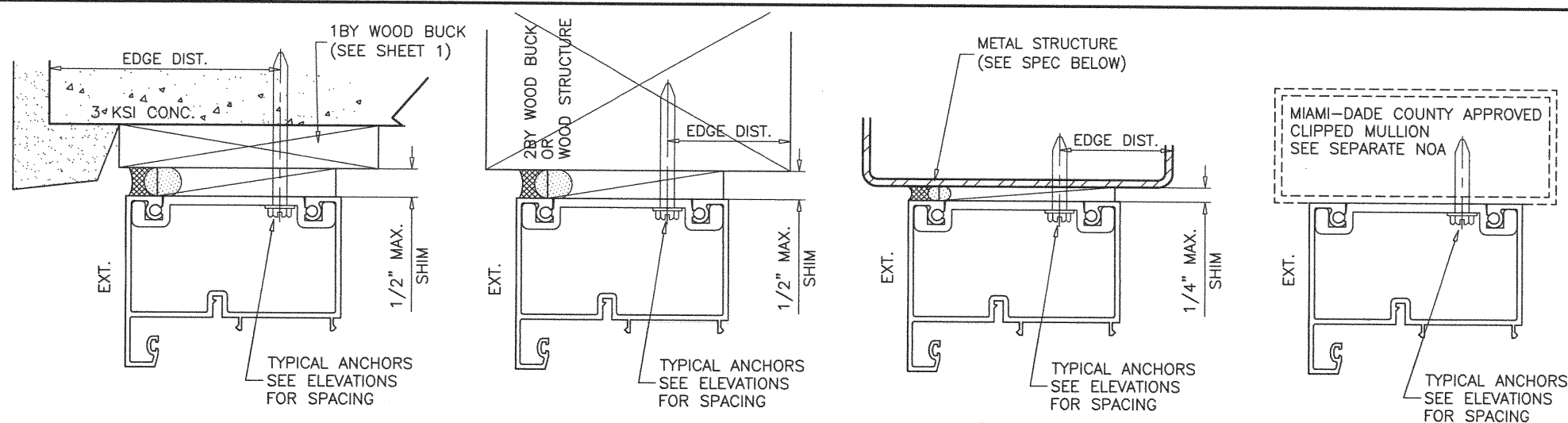
drawing no.

W04-37

sheet 7 of 10

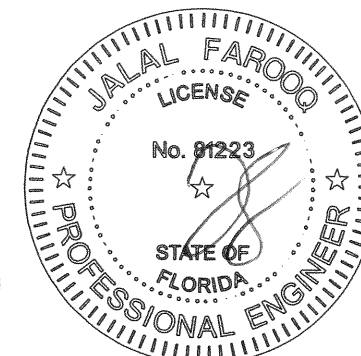


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SIDELITE DETAILS

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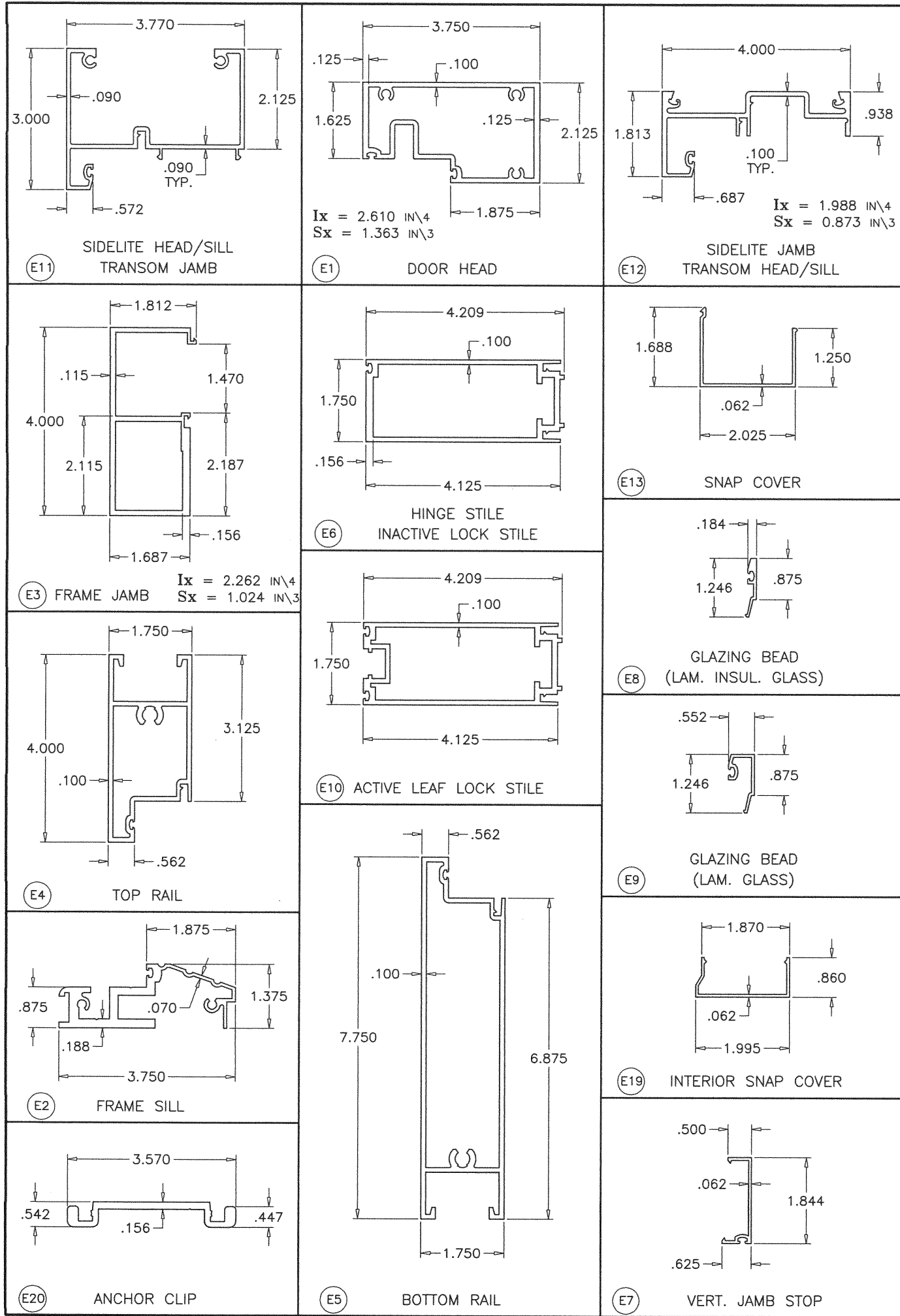


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W04-37
sheet 8 of 10



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/INACTIVE LEAF LOCK STILE	6005-T5	-
E7	RD45-002	2	VERTICAL JAMB STOP	6063-T6	-
E8	RD45-010	AS REQD.	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T6	-
E9	RD45-007	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
E10	RD45-017A	AS REQD.	LOCK STILE ACTIVE LEAF	6005-T5	-
E11	RD45-014	AS REQD.	SIDELITE HEAD/SILL, TRANSOM JAMB	6005-T5	-
E12	RD45-015	AS REQD.	JAMB AT SIDE LITE, HEAD/SILL AT TRANSOM	6063-T6	-
E13	RD45-016	AS REQD.	SNAP COVER	-	-
E19	RD45-029	AS REQD.	INTERIOR SNAP COVER	-	-
E20	RD45-030	AS REQD.	ANCHOR CLIP, 8" LONG	6063-T6	-
M1	RD45-M01	4/ LEAF	HINGE ASSEMBLY	6005-T5	-
M3	RD45-M03	AS REQD.	FLUSH BOLT AT 3 POINT LOCK	-	-
M4	-	AS REQD.	XL EDGE SPACER FOR INSUL. GLASS	ST/ST	CARDINAL
M14	W31384NK	AS REQD.	WEATHERSTRIPPING	-	-
M20	-		1/2" x 3/16" x 4" SETTING BLOCK (LAM. GLASS) 3/4" x 3/16" x 4" SETTING BLOCK (INSUL. LAM. GLASS)	NEOPRENE	6" FROM EACH END LOWE, DUROMETER 85±5 SHORE A
M21	-		1/2" x 3/4" x 4" SETTING BLOCK.	NEOPRENE	6" FROM EACH END & MIDSPAN LOWE, DUROMETER 85±5 SHORE A
M24	RD45-M13	4/ LEAF	HANDICAP OFFSET HINGE ASSEMBLY	6005-T5	-
M25	W31421NK	AS REQD.	WEATHERSTRIPPING	-	-
V1	Q375T270		DOOR W'STRIPPING	FOAM	Q-LON
V2	V-059		OFFSET BULB VINYL WSTP.	PVC	
V4	V-009		BULB W'STRIPPING, DUROMETER 75±5 SHORE A	PVC	WIBORG, WV-3289
V5	V-065		PEROXIDE THREAD-IN FINGER	-	TREMCO
S2		AS REQD.	3/8-16 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
S6		AS REQD.	#12 X 1-1/4" LG. PHIL. SMS.	ST/ST	ASSEMBLY FASTENERS

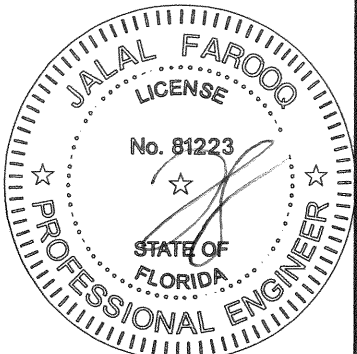
SEE SHEET 4 FOR LOCKS OPTIONS AND DESCRIPTION

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Miami-Dade Product Control

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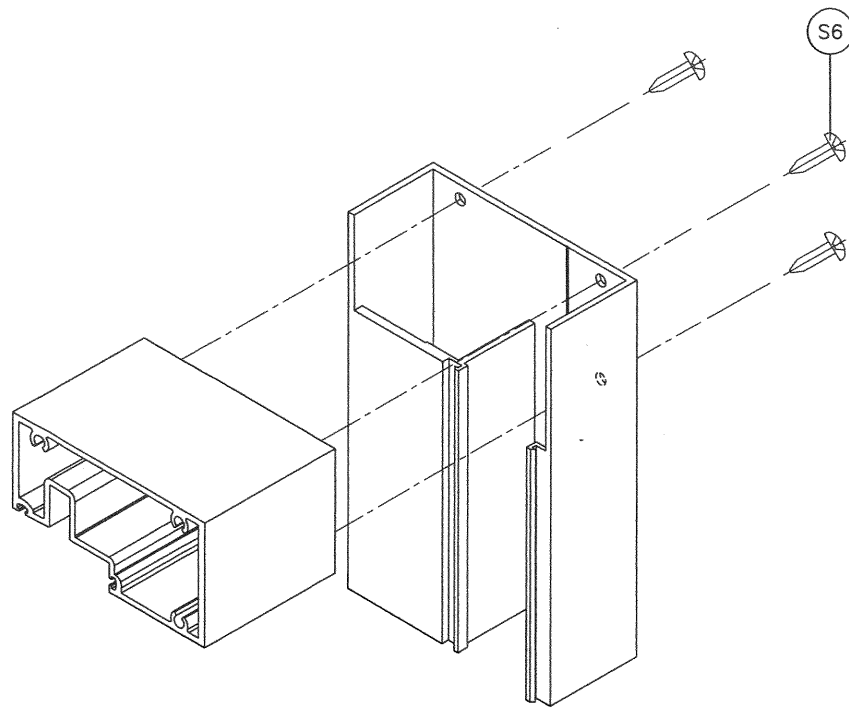
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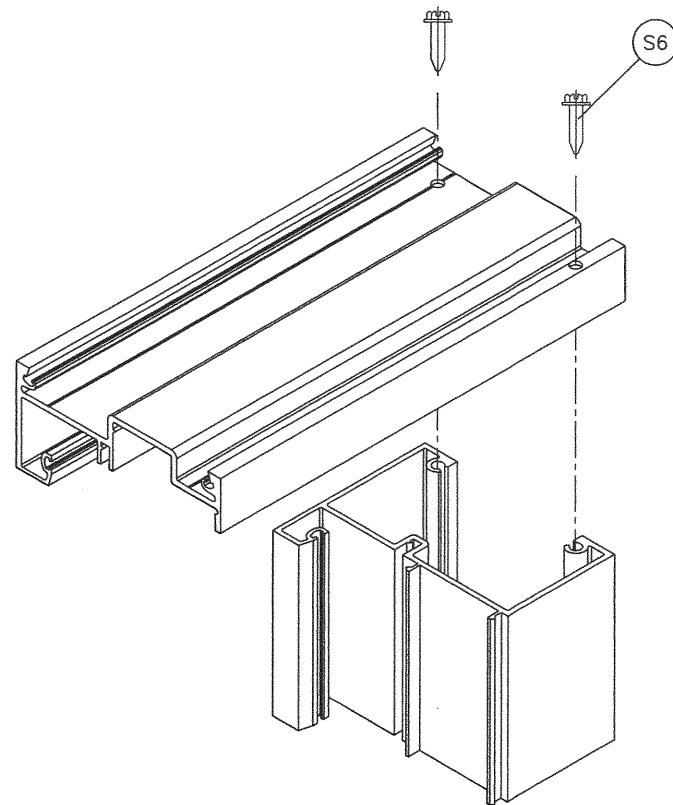
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W04-37

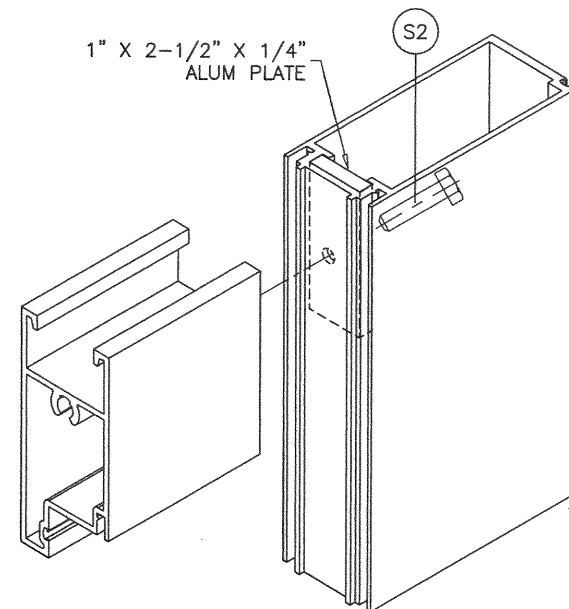
sheet 9 of 10



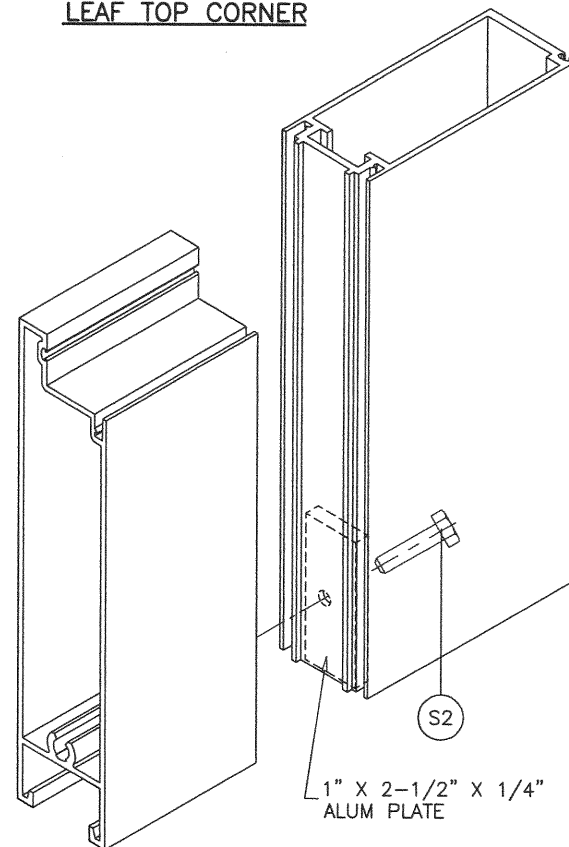
DOOR TOP CORNER



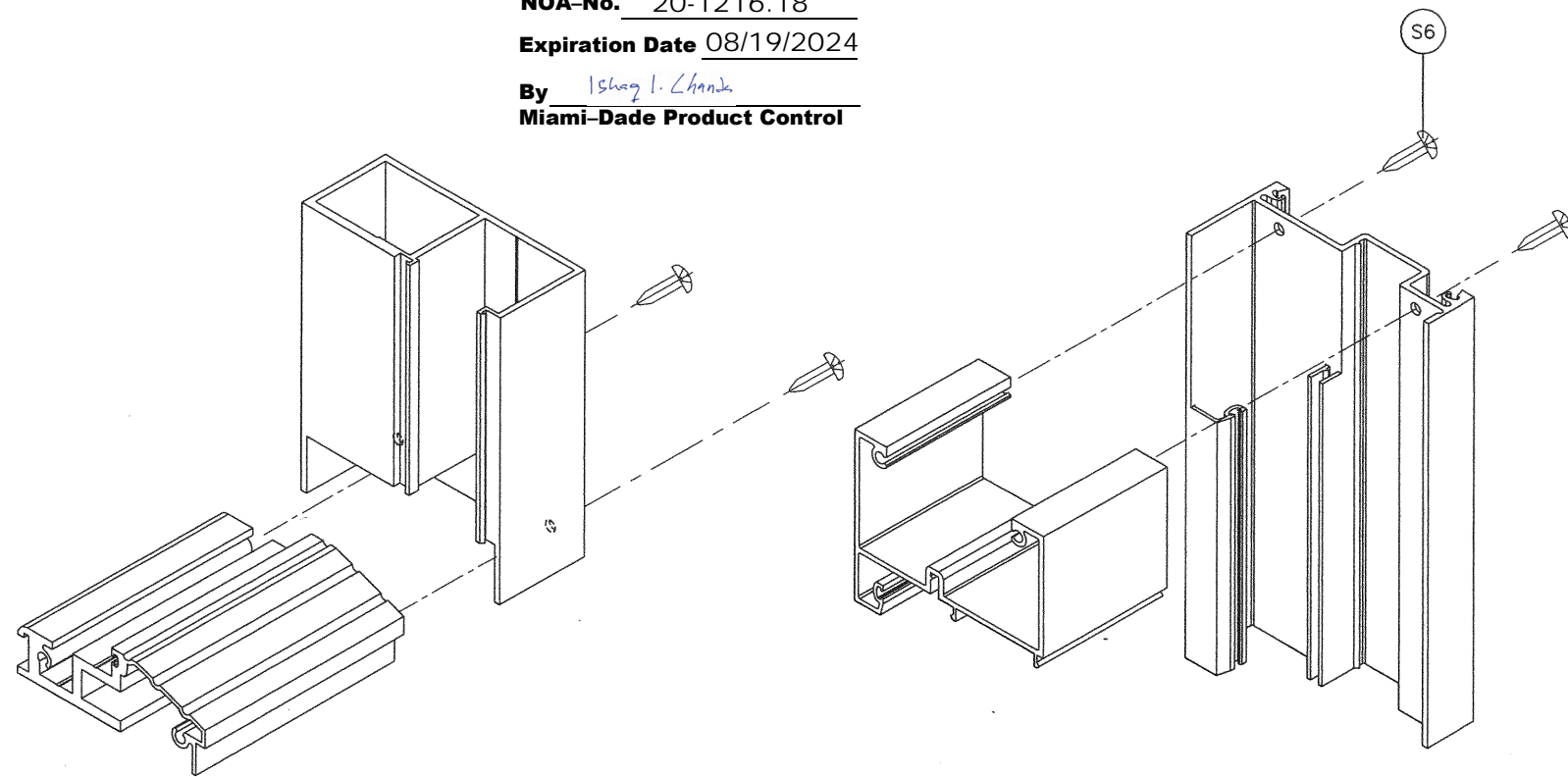
TRANSOM TOP/BOTTOM CORNER



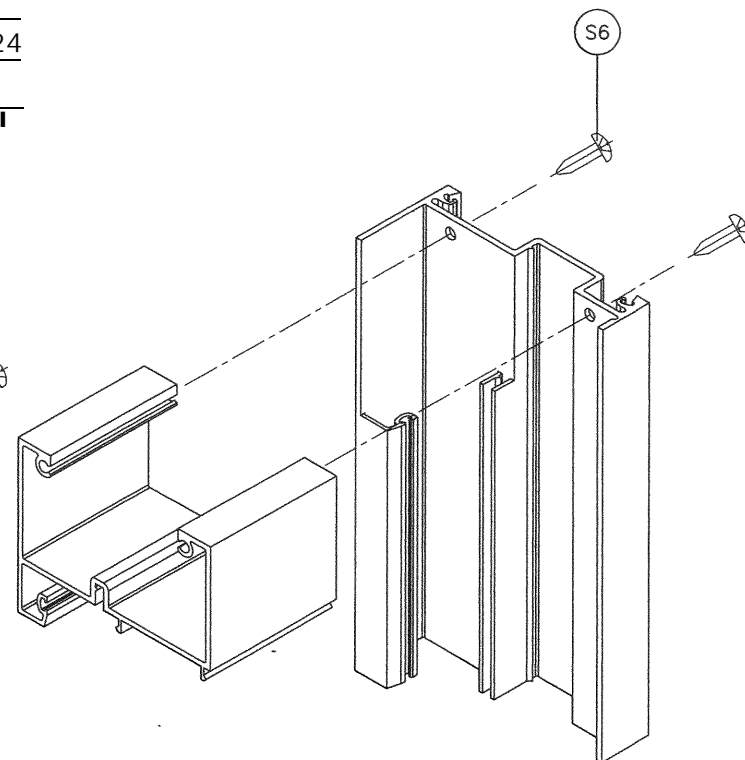
LEAF TOP CORNER



LEAF BOTTOM CORNER



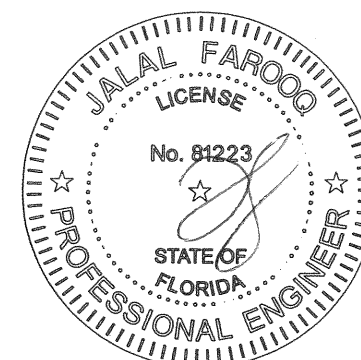
DOOR BOTTOM CORNER



SIDELITE TOP/BOTTOM CORNER

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