



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

**NOTICE OF ACCEPTANCE (NOA)**

**Labrador & Fundora Corp dba V & V Windows**  
 2355 W 4<sup>th</sup> Avenue  
 Hialeah, FL 33010-1454

**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 "300" Outswing Glazed Aluminum Door w/wo Sidelite or door w/wo Transom-LMI**

**APPROVAL DOCUMENT:** Drawing No. **W10-08 Rev G**, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on 03/29/17, prepared by Al-Farooq Corporation, 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**

**Limitations:**

1. See Design Pressure (DP) ratings in sheets **2, 3, 4 & 5** for unit sizes Vs glass type. Lower Design Pressure from doors, sidelites or mullion shall control when doors are mulled (w/wo Reinforcements).
2. Door w/ transom is limited to max. 25-1/2" h Transom.
3. The maximum positive exterior DP shall be + 66.30 PSF, where water infiltration requirement is needed.
4. Glass lite wider than 36" shall be supported with approved setting blocks or clamps per FBC requirements.
5. The frame area of alternate size shall not exceed 96 ft<sup>2</sup>, nor panel tested area and max. panel height.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 15-0310.05** consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P.E.**



*J.P.*  
12/15/17

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (Submitted under files below).
2. Drawing No. **W10-08 Rev F**, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on SEP 03, 2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS (Submitted under files #12-0113.02/#10-0406.04)**

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(+50.0 PSF, sill S-I only)
  - 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 diagram of an Aluminum outswing French doors w/wo sidelite and door w/Transom & sidelites, prepared by American Test Lab of South Florida, Inc., Test Report No. **ATLSF-0403.02-08**, dated 01/18/10, signed and sealed by William R. Mehner, P. E., Henry Hattem, P. E. and Edmundo J. Largaespada, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2014(**5<sup>th</sup> Edition**), prepared by Al Farooq Corporation, dated 02/18/15 and last revised on AUG 13, 2015, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTME-1300-02, 04 and -09

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** (former E.I. Dupont) for their "**Butacite® PVB Glass Interlayer**", expiring on 12/11/16

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014(**5<sup>th</sup> Edition**) and letter of no financial interest, prepared by Al Farooq Corporation, dated 02/11/15, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance and addendum letters, as part of the above referenced test reports.
3. Asset purchase agreement dated July 28, 2009, signed by Mr. David Labrador and Mr. Candido D. Vega. *(Submitted under previous NOA No. 10-0406.04)*



Jorge M. Plasencia, P.E.  
Product Control Unit Supervisor  
NOA No 17-1011.02  
Expiration Date: September 01, 2020  
Approval Date: December 21, 2017

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (continued)**

4. Florida Department of State, Div of Corporation, active listing of Labrador & Foundora Corporation, dated 05/07/19985.
5. Florida Department of State, active fictitious name listing of V& V Windows, dated 08/13/15.

**G. OTHER**

1. This NOA **revises & renews # 12-0113.02**, expired on 09/01/15.
2. Test proposals **#07-3564** & test proposal dated 10/20/08 approved by BCCO.

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W10-08 Rev G**, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on 03/29/17, 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 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>th</sup> Edition (2017)**, prepared by Al Farooq Corporation, dated 09/25/17, 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. **16-1117.01** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/19.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>th</sup> Edition (2017)** and letter of no financial interest, prepared by Al Farooq Corporation, dated 07/10/17, signed and sealed by Javad Ahmad, P.E.

**G. OTHER**

1. This NOA **revises # 15-0310.05**, expiring on 09/01/2020.



Jorge M. Plasencia, P.E.  
Product Control Unit Supervisor  
NOA No 17-1011.02  
Expiration Date: September 01, 2020  
Approval Date: December 21, 2017

**af c**  
**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\W10-08V

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

**ALUMINUM OUTSWING ENTRANCE DOOR**

SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOM SEE SHEET 2.  
 SINGLE (O/X) AND DOUBLE (O/XX) LEAF DOORS WITH TRANSOMS SEE SHEET 3.  
 SINGLE (O) SIDELITE SEE SHEET 4.  
 SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 5.  
 LOWER VALUES FROM DOOR CAPACITY CHART, SIDELITE CAPACITY CHART OR  
 SIDELITE MULLION CAPACITY CHART 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 2014 (5TH EDITION)/2017 (6TH 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.

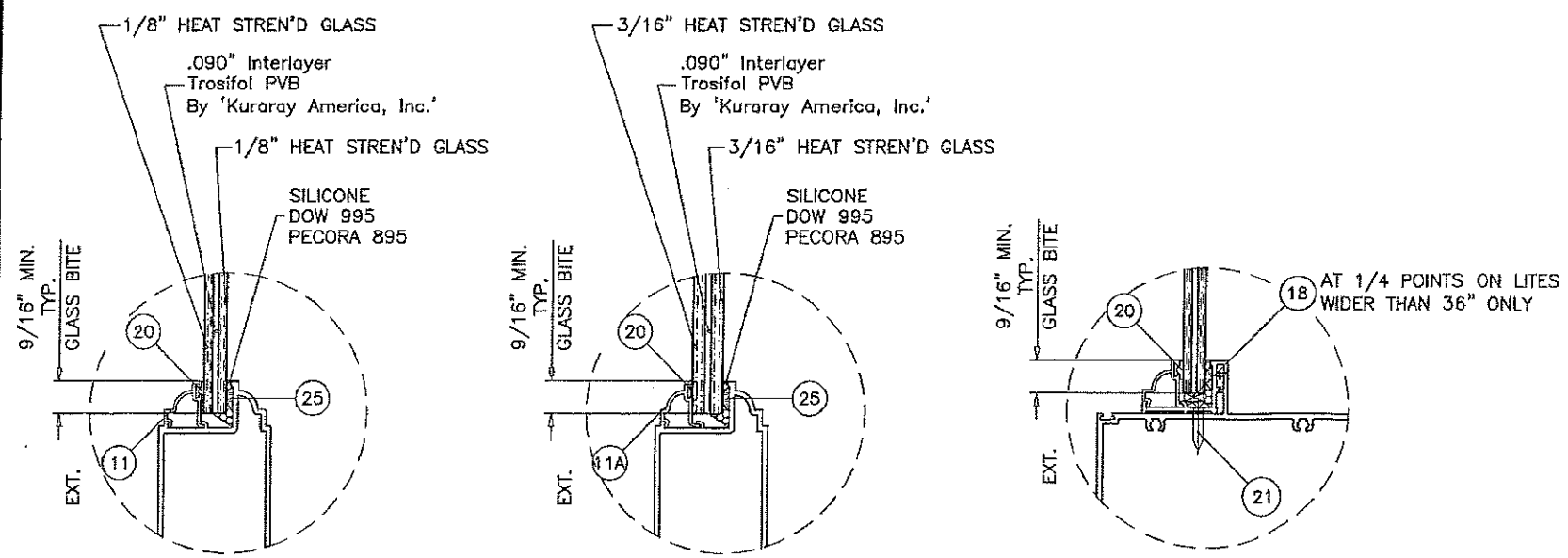
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS  
 AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE  
 MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 2014/2017 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.

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL. (305) 888-4151 FAX. (305) 888-1042



**GLASS TYPE 'A'**  
 5/16" OVERALL LAM. GLASS

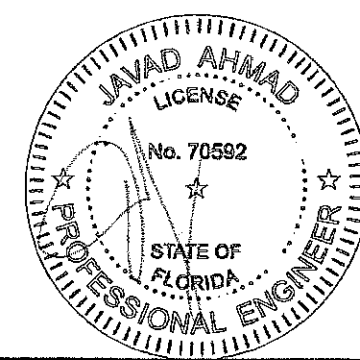
**GLASS TYPE 'B'**  
 7/16" OVERALL LAM. GLASS

**GLAZING DETAIL**  
 AT SIDELITE/TRANSOM

**GLAZING OPTIONS**

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **17-1011.02**  
 Expiration Date **09/01/2020**

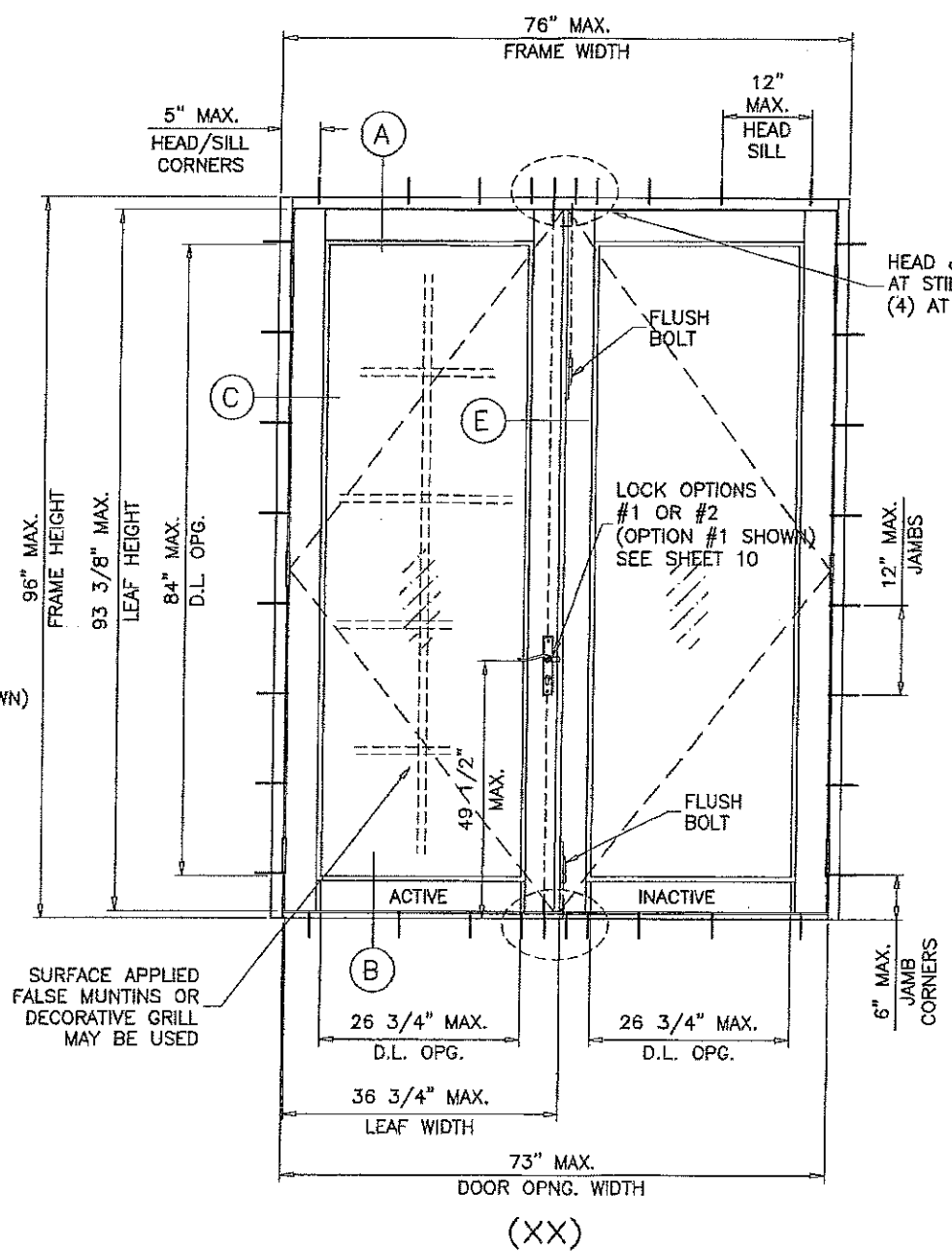
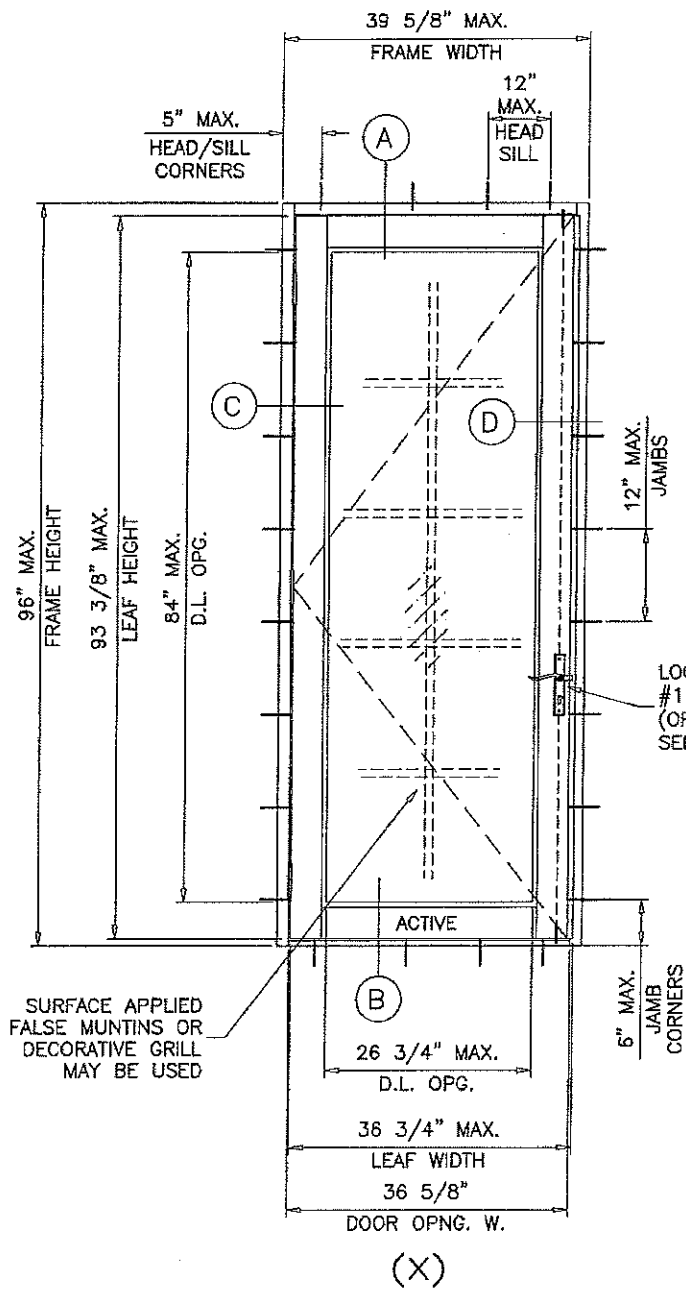
By *[Signature]*  
 Miami-Dade Product Control



no	date	by	description
C	11.22.11		UPDATED TO 2010 FBC
D	02.12.15		UPDATED TO 2014 FBC
E	07.31.15		REV. PER RER COMMENTS
F	09.03.15		NO CHANGE THIS SHEET
G	03.29.17		UPDATED TO 2017 FBC

date: 02-24-10  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W10-08**  
 sheet 1 of 12



HEAD & SILL ANCHORS  
AT STILE ENDS  
(4) AT 3" O.C.

LOCK OPTIONS  
#1 OR #2  
(OPTION #1 SHOWN)  
SEE SHEET 10

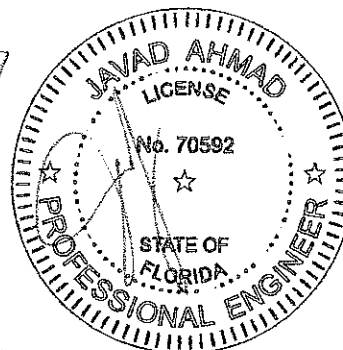
DOORS LOAD CAPACITY - PSF SINGLE DOORS WITHOUT TRANSOM (X)							
DOOR DIMS.				GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	LEAF HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
37-5/8"	34-3/4"	96"	93-3/8"	70.0	80.0	70.0	80.0
39-5/8"	36-3/4"			66.3	75.8	66.3	75.8

DOORS LOAD CAPACITY - PSF DOUBLE DOORS WITHOUT TRANSOM (XX)							
DOOR DIMS.				GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	LEAF HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	34-3/4"	96"	93-3/8"	70.0	80.0	70.0	80.0
76"	36-3/4"			66.3	75.8	66.3	75.8

GLASS D.L.O. DIMS.  
D.L.O. HEIGHT = FRAME HEIGHT - 12"  
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.875"  
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.50")/2

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **17-1011.02**  
Expiration Date **09/01/2020**  
By *[Signature]*  
Miami-Dade Product Control

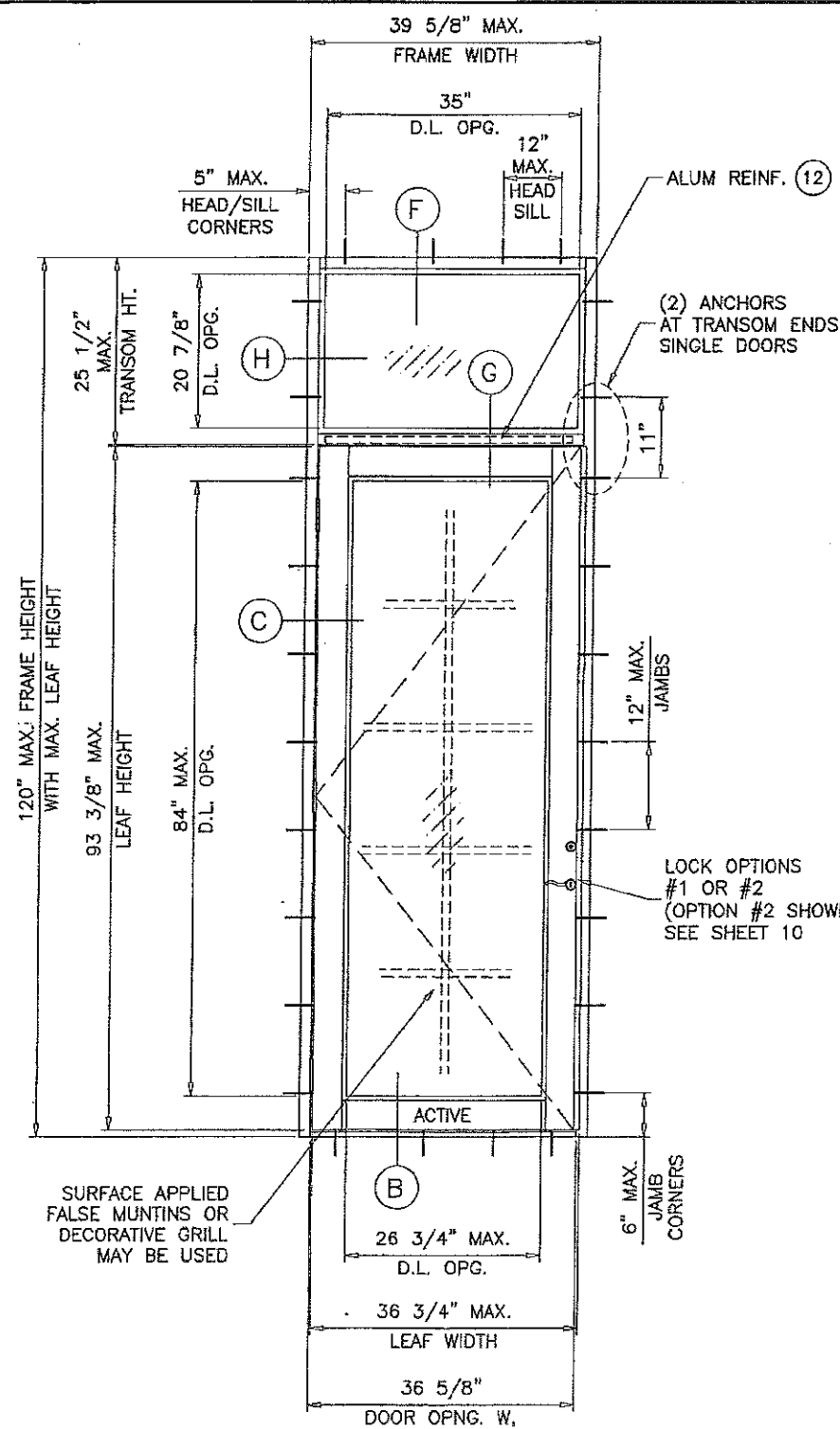


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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W10-08W

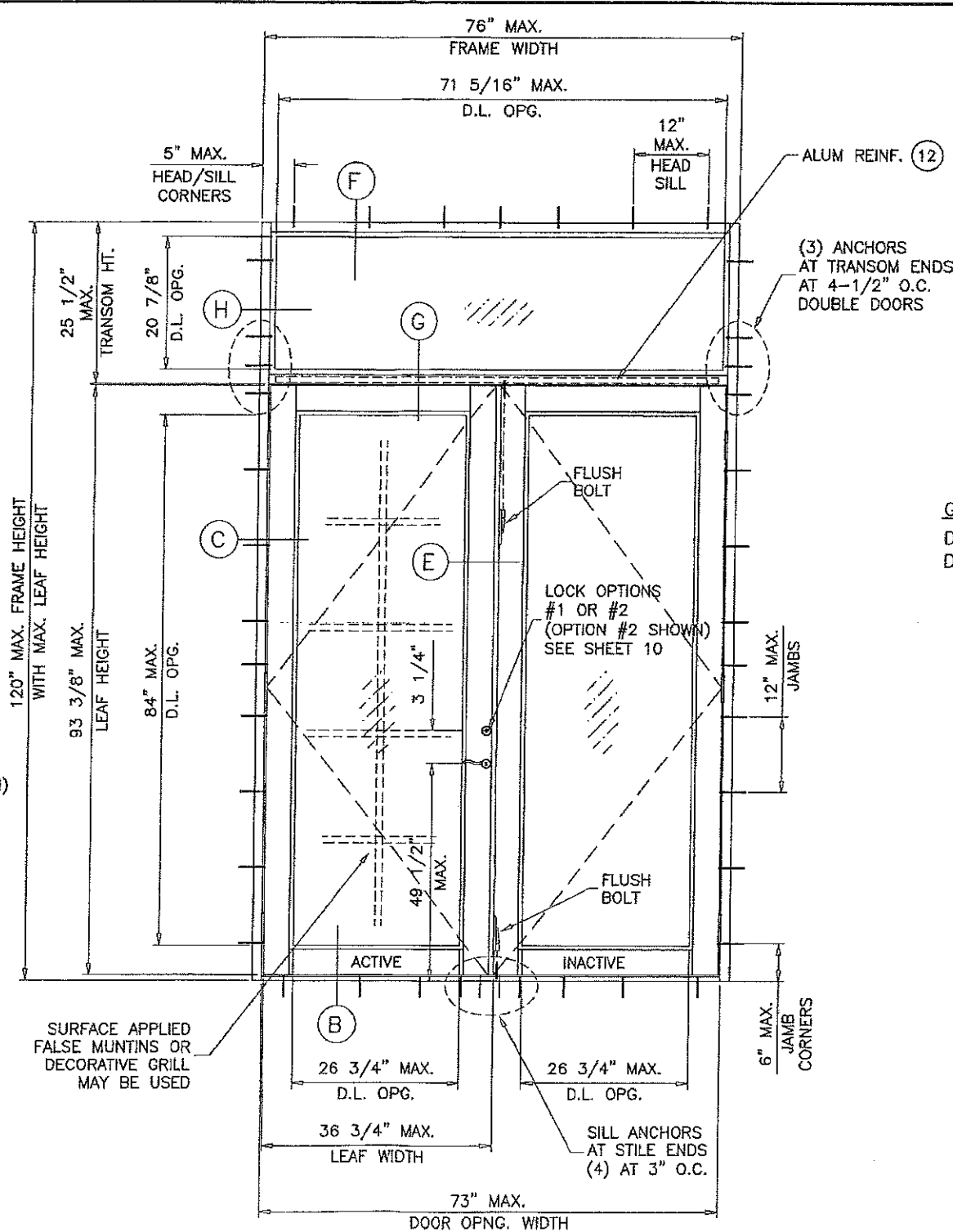
**ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)**  
Labrador & Fundora Corp.  
dba-V & V Windows  
2355 West 4th Ave.  
Hialeah, FL 33010  
TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
C	11.22.11	NO CHANGE THIS SHEET
D	02.12.15	UPDATED TO 2014 FBC
E	07.31.15	REV. PER RER COMMENTS
F	09.03.15	REV. PER RER COMMENTS
G	03.29.17	UPDATED TO 2017 FBC

revisions:  
date: 02-24-10  
scale: 1/2" = 1'-0"  
dr. by: TARIQ  
chk. by:  
drawing no. **W10-08**  
sheet 2 of 12



(O/X)



(O/XX)

GLASS D.L.O. DIMS. (TRANSOM)  
 D.L.O. HEIGHT = TRANSOM HEIGHT - 4.625"  
 D.L.O. WIDTH = FRAME WIDTH - 4.6875"

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **17-1011.02**

Expiration Date **09/01/2020**

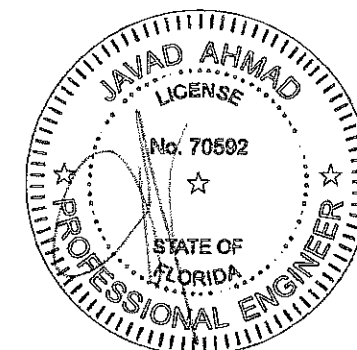
By *[Signature]*  
 Miami-Dade Product Control

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

DOORS LOAD CAPACITY - PSF SINGLE DOORS WITH TRANSOM (O/X)							
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'			
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	LEAF HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
37-5/8"	34-3/4"	120"	93-3/8"	70.0	80.0	70.0	80.0
39-5/8"	36-3/4"			66.3	75.8	66.3	75.8

DOORS LOAD CAPACITY - PSF DOUBLE DOORS WITH TRANSOM (O/XX)							
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'			
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	LEAF HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	34-3/4"	120"	93-3/8"	70.0	71.0	70.0	71.0
76"	36-3/4"			66.3	70.0	66.3	70.0

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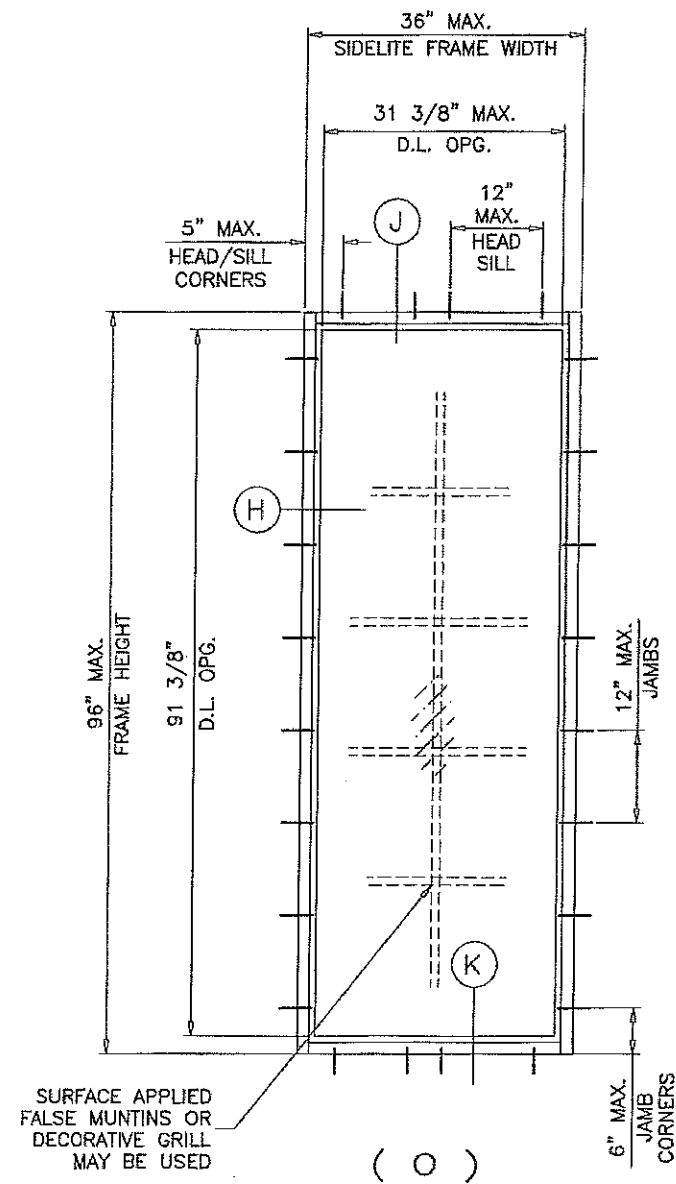


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**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W10-08V

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)  
 Labrador & Fundora Corp.  
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 2355 West 4th Ave.  
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no	date	description	by
C	11.22.11	NO CHANGE THIS SHEET	
D	02.12.15	UPDATED TO 2014 FBC	
E	07.31.15	REV. PER RER COMMENTS	
F	09.03.15	REV. PER RER COMMENTS	
G	03.29.17	UPDATED TO 2017 FBC	

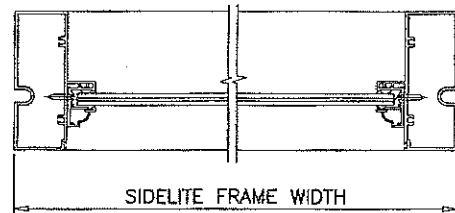
date: 02-24-10  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **W10-08**  
 sheet 3 of 12



SURFACE APPLIED FALSE MUNTINS OR DECORATIVE GRILL MAY BE USED

( O )

FIXED LITE (O) LOAD CAPACITY - PSF			
FIXED LITE DIMS.		GLASS TYPES 'A' & 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
24"	90"	70.0	80.0
28"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
24"	96"	70.0	75.6
28"		70.0	71.2
32"		67.4	67.4
36"		64.1	64.1

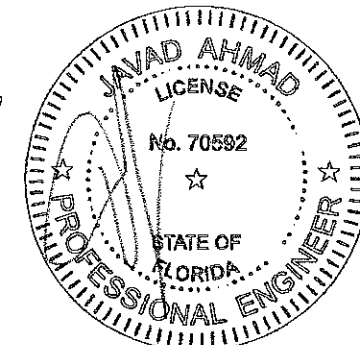


GLASS D.L.O. DIMS. (SIDELITE)  
 D.L.O. HEIGHT = SIDELITE HEIGHT - 4.625"  
 D.L.O. WIDTH = SIDELITE WIDTH - 4.625"

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

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. 17-1011.02  
 Expiration Date 09/01/2020  
 By *[Signature]*  
 Miami-Dade Product Control

LC 13 2017



**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3638)  
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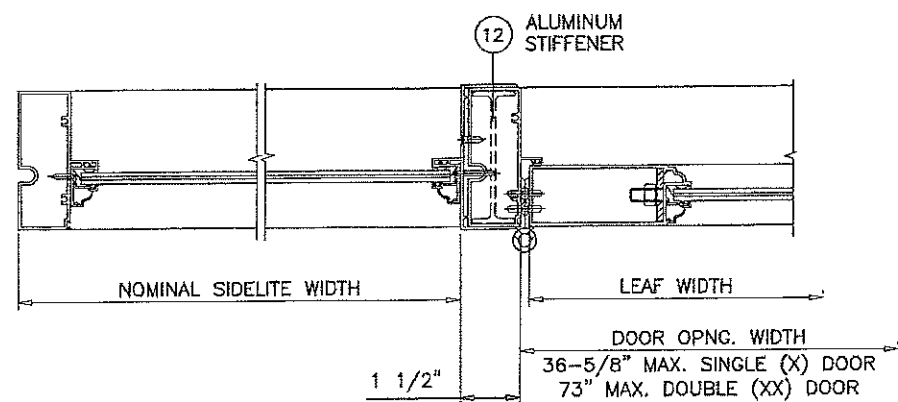
ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
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no.	date	by	description
C	11.22.11		NO CHANGE THIS SHEET
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E	07.31.15		REV. PER PER COMMENTS
F	09.03.15		REV. PER PER COMMENTS
G	03.29.17		UPDATED TO 2017 FBC

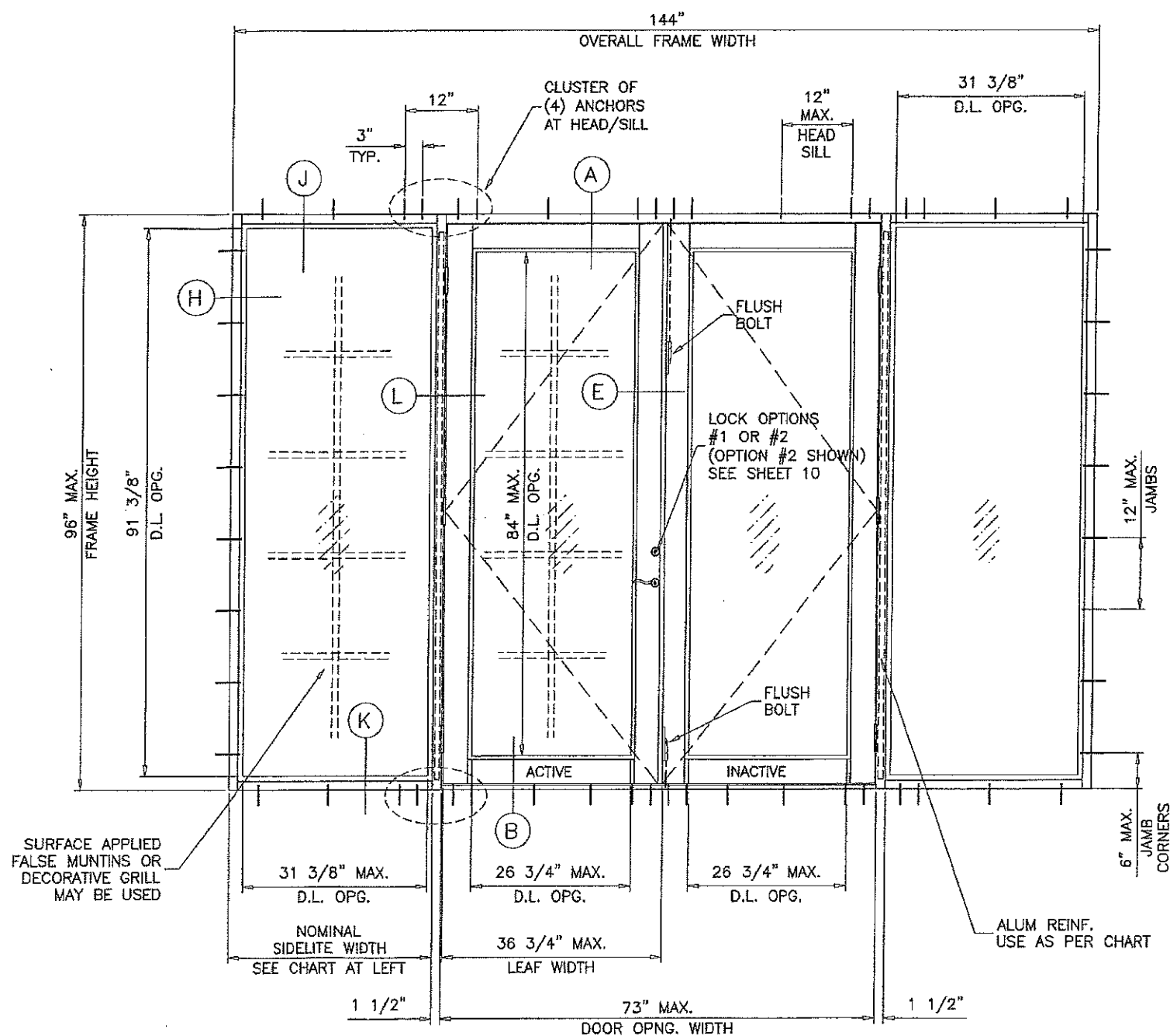
date: 02-24-10  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. W10-08  
 sheet 4 of 12

COMP-ANL\W10-08W

SIDELITE MULLION CAPACITY - PSF						
SIDELITES WITH SINGLE OR DOUBLE LEAF DOORS WITHOUT TRANSOM						
NOMINAL SIDELITE WIDTH INCHES	LEAF WIDTH INCHES	FRAME HEIGHT INCHES	SIDELITE W/O REINF.		SIDELITE W/ ALUM REINF.	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	36-3/4	80	70.0	80.0	70.0	80.0
28			70.0	80.0	70.0	80.0
32			70.0	80.0	70.0	80.0
36			70.0	80.0	70.0	80.0
40			63.0	72.0	63.0	72.0
24	36-3/4	84	70.0	80.0	70.0	80.0
28			70.0	80.0	70.0	80.0
32			70.0	80.0	70.0	80.0
36			70.0	80.0	70.0	80.0
40	63.0	72.0	63.0	72.0		
24	36-3/4	90	70.0	80.0	70.0	80.0
28			70.0	80.0	70.0	80.0
32			70.0	80.0	70.0	80.0
36			70.0	75.7	70.0	80.0
24	36-3/4	96	70.0	74.7	70.0	80.0
28			70.0	70.1	70.0	80.0
32			66.0	66.0	70.0	80.0
36			64.1	64.1	70.0	80.0



NOTE:  
 FOR DOORS CAPACITIES SEE SHEET 2.  
 FOR SIDELITE CAPACITIES SEE SHEET 4  
 FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE  
 LOWER VALUES FROM DOOR, SIDELITE OR MULLION CHART  
 WILL APPLY TO ENTIRE SYSTEM.



(OXXO) TESTED

OX, XO, OXX OR XXO CONFIGURATIONS ALSO QUALIFY

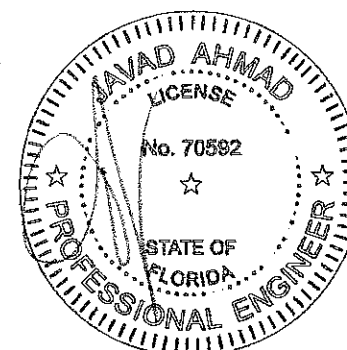
MAX. UNIT TESTED FRAME AREA NOT TO EXCEED 96 SQ. FT. PER FBC 2014

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

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **17-1011.02**

Expiration Date **09/01/2020**

By *[Signature]*  
 Miami-Dade Product Control



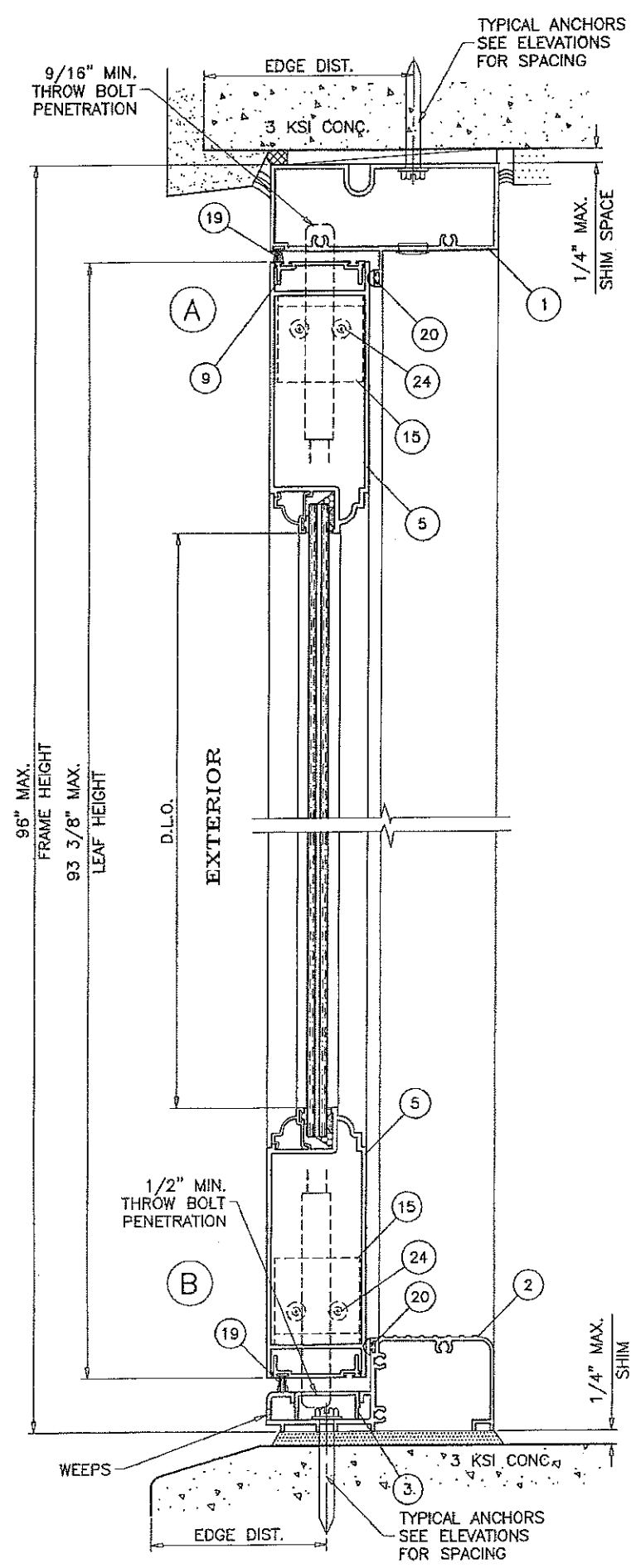
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**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W10-08V

**ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)**  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL. (305) 888-4151 FAX. (305) 888-1042

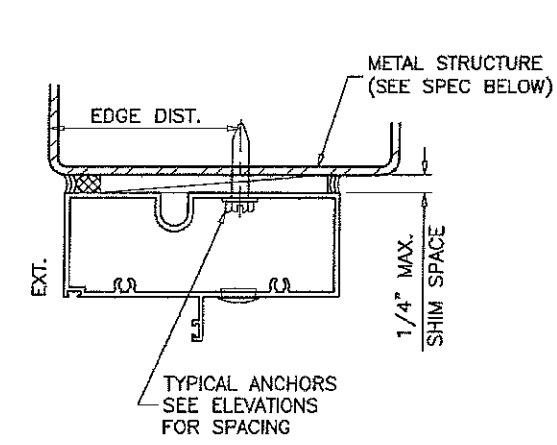
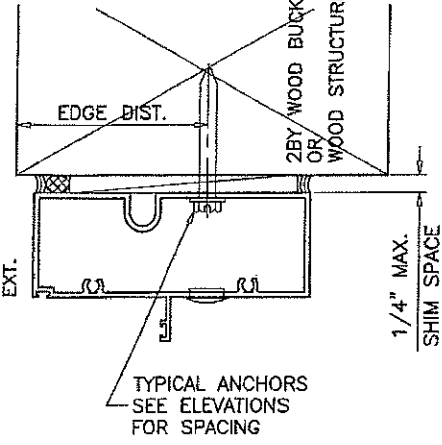
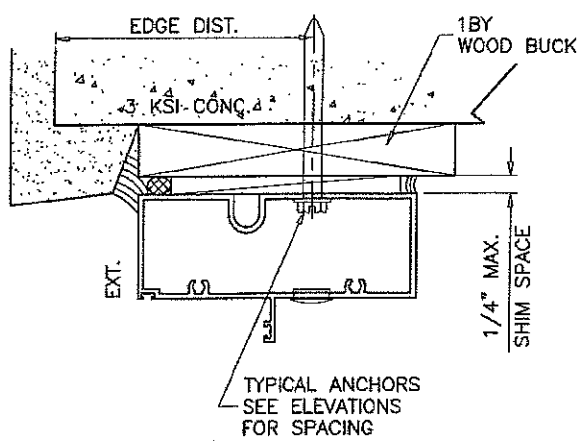
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C	11.22.11	NO CHANGE THIS SHEET	
D	02.12.15	UPDATED TO 2014 FBC	
E	07.31.15	REV. PER RER COMMENTS	
F	09.03.15	REV. PER RER COMMENTS	
G	03.28.17	UPDATED TO 2017 FBC	

date: 02-24-10  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **W10-08**  
 sheet 5 of 12





OPERABLE UNIT



WOOD BUCKS AND METAL STRUCTURE NOT BY V & V WINDOWS 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)  
 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  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR  
 INTO METAL STRUCTURES (HEAD/JAMBS)  
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE  
 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)

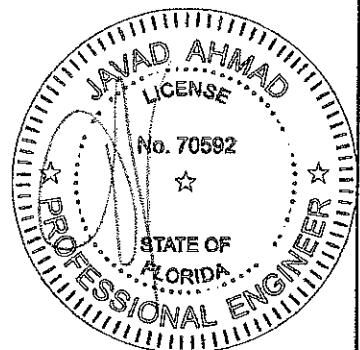
**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.  
 WOOD AT HEAD OR JAMBS SG = 0.55 MIN.  
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

**SEALANTS:**  
 FRAME AND LEAF CORNERS, INSTALLATION SCREWS AT SILL AND ALL METAL PARTS CONNECTIONS SEALED WITH PTI SILICONE.

**WEEPS:**  
 3/16" X 3/4" WEEP SLOTS AT 3" FROM EACH END

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 Expiration Date 09/01/2020  
 By *[Signature]*  
 Miami-Dade Product Control

DOOR DETAILS



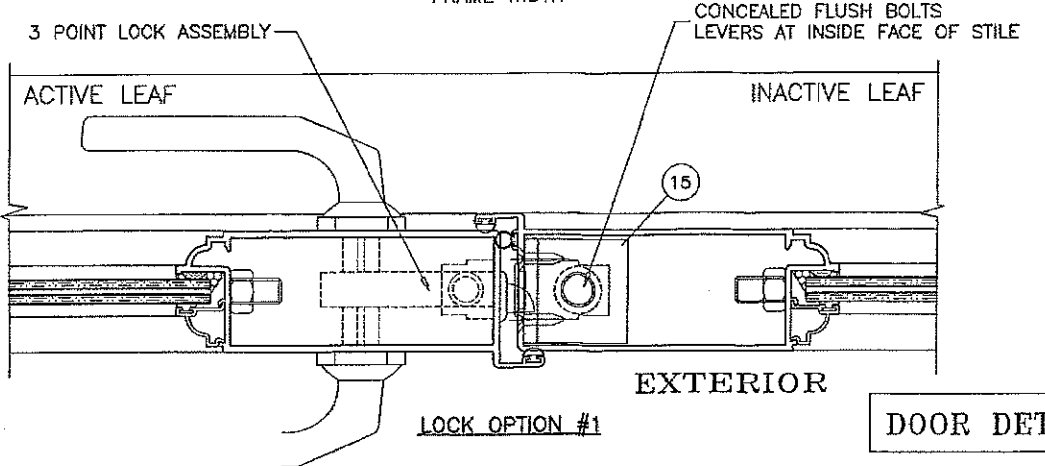
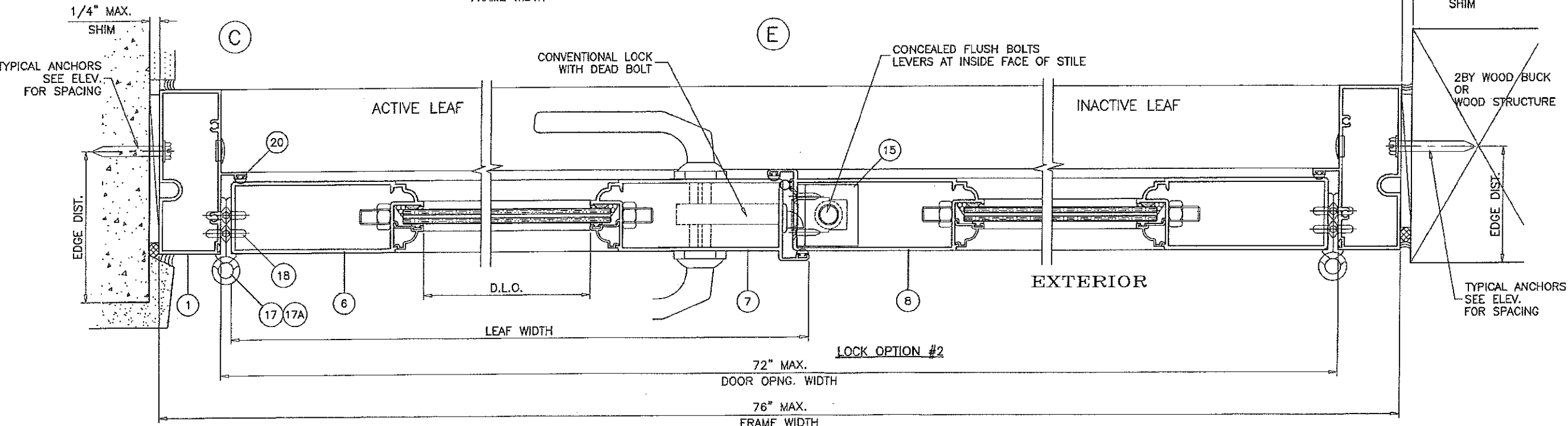
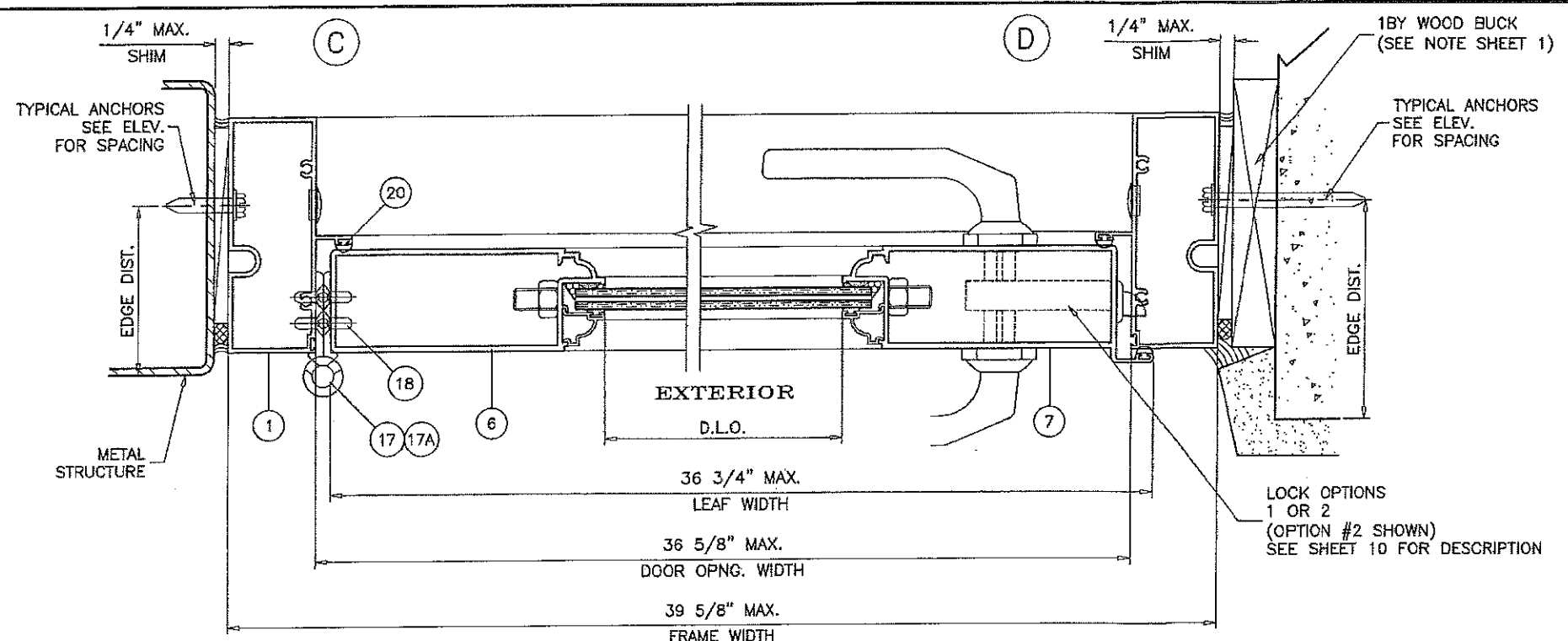
LIC 13 2017

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8400 FAX. (305) 262-6978  
 COMP-ANL\W10-08V

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)  
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 dba--V & V Windows  
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date: 02-24-10  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. W10-08  
 sheet 6 of 12



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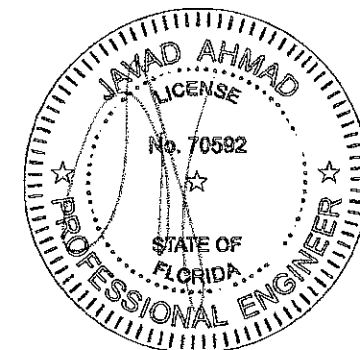
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 COMP-ANL W10-08W

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revisions:

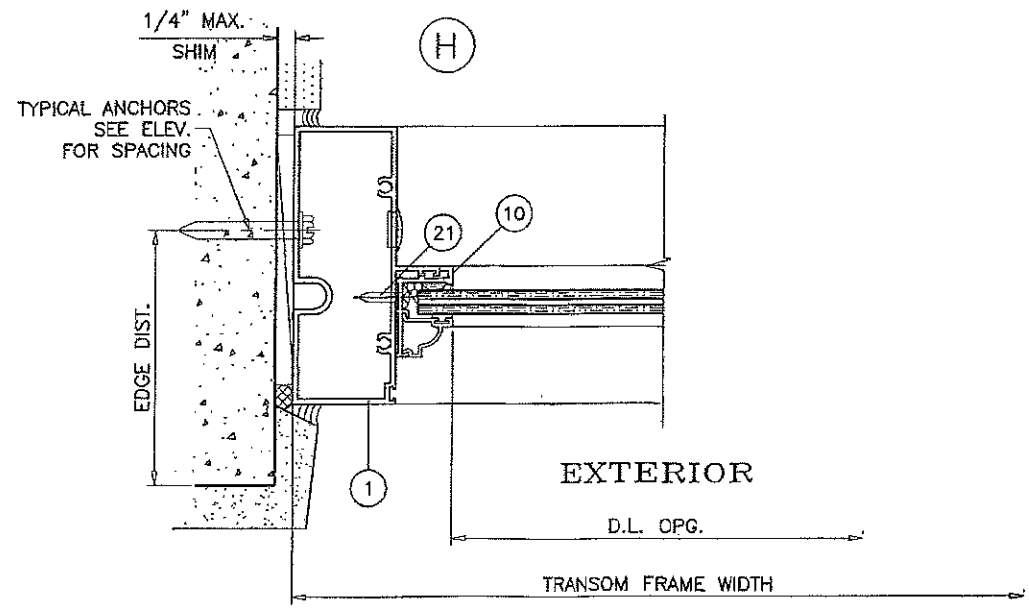
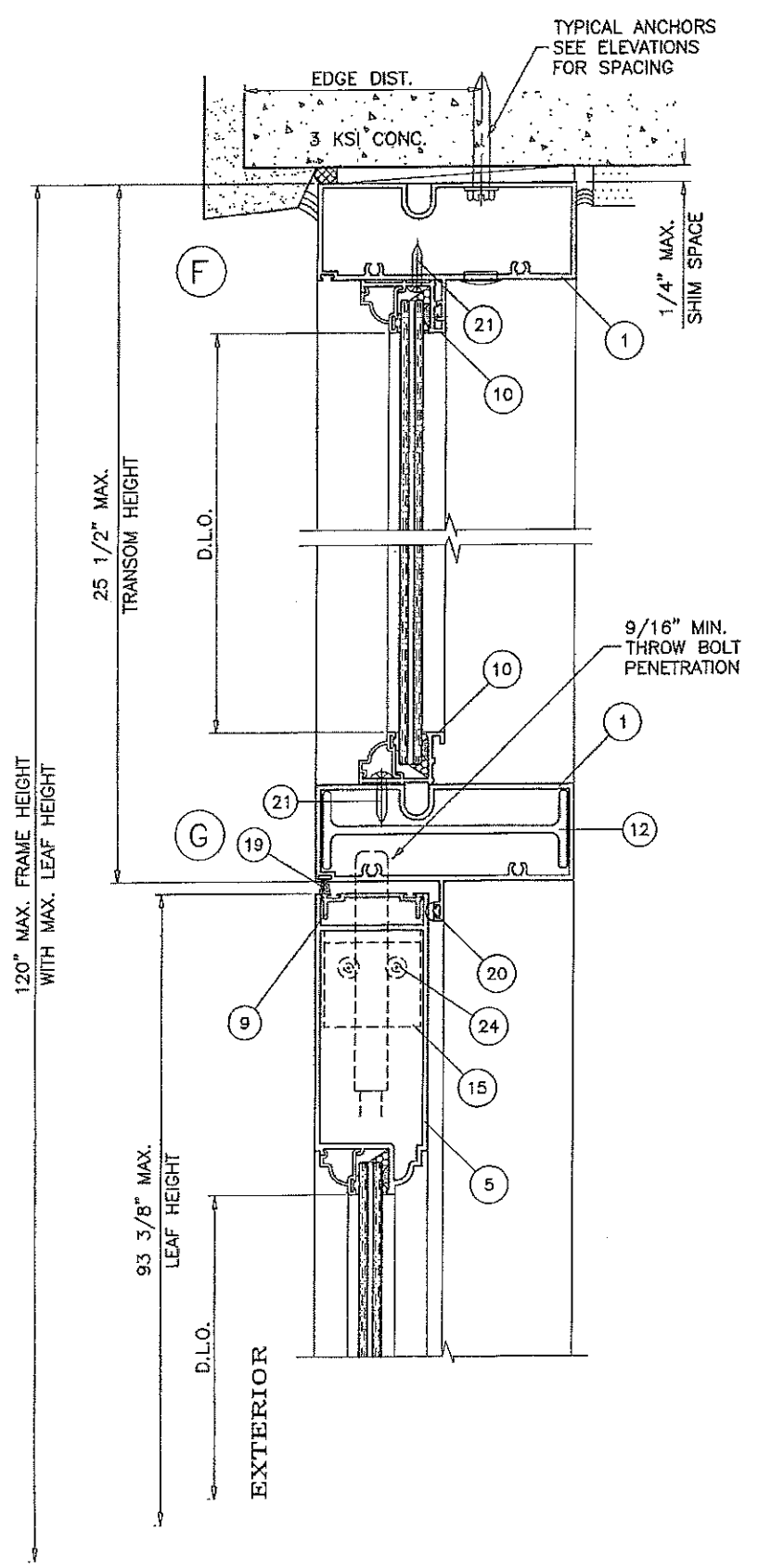
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 chk. by:  
 drawing no.  
**W10-08**  
 sheet 7 of 12



LIC 13 2017

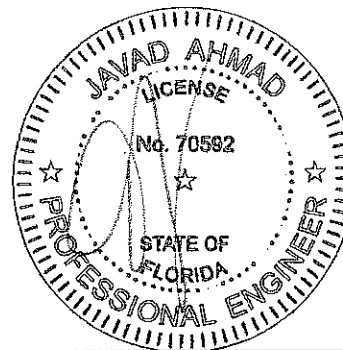
**DOOR DETAILS**



DOOR WITH TRANSOM DETAILS

**PRODUCT REVISED**  
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 Miami-Dade Product Control

LC 13 2017



**a f c**  
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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3638)  
 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978  
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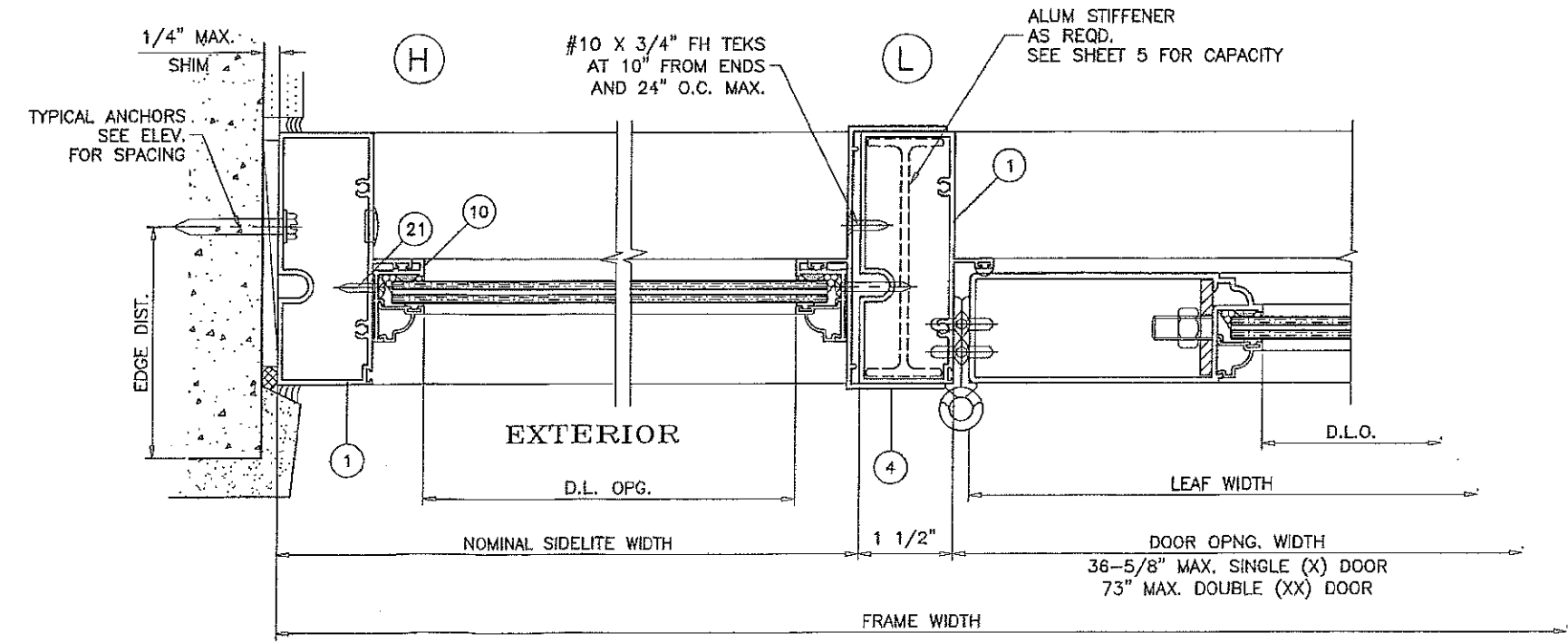
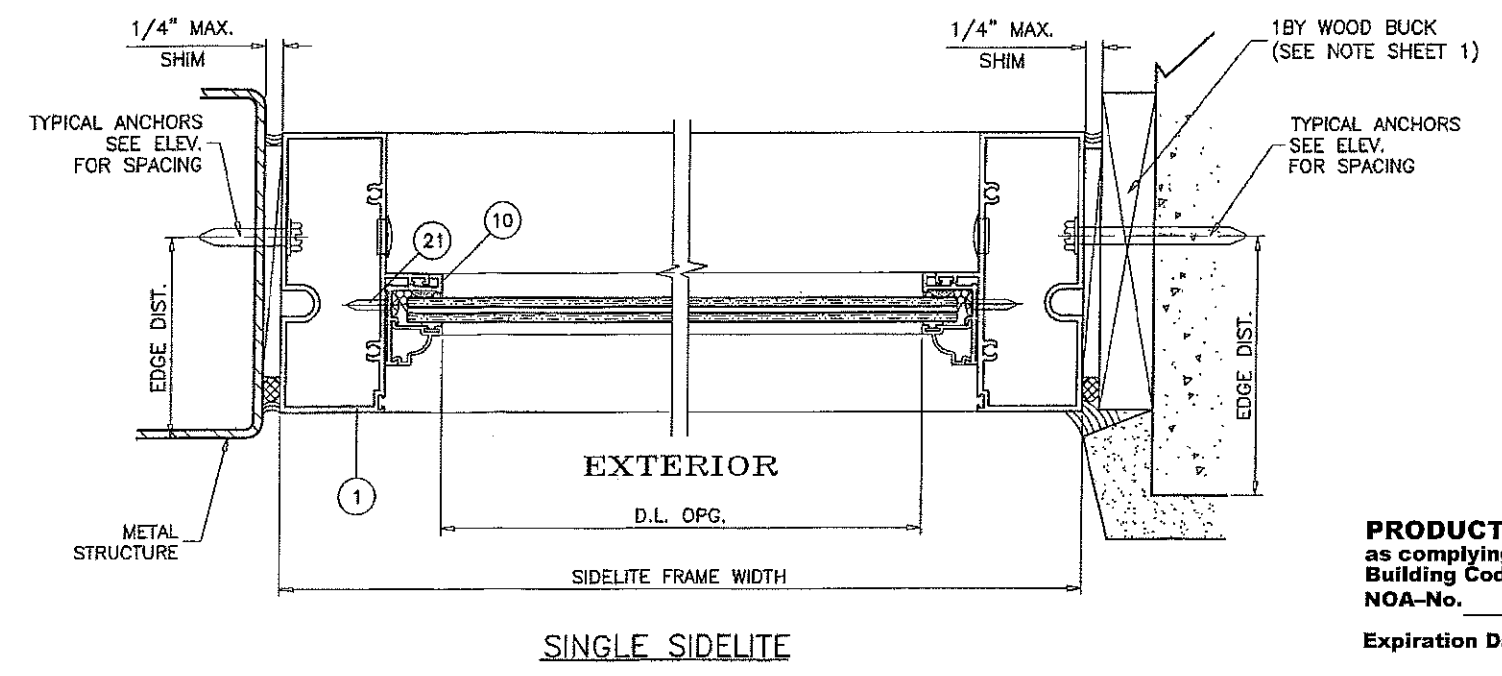
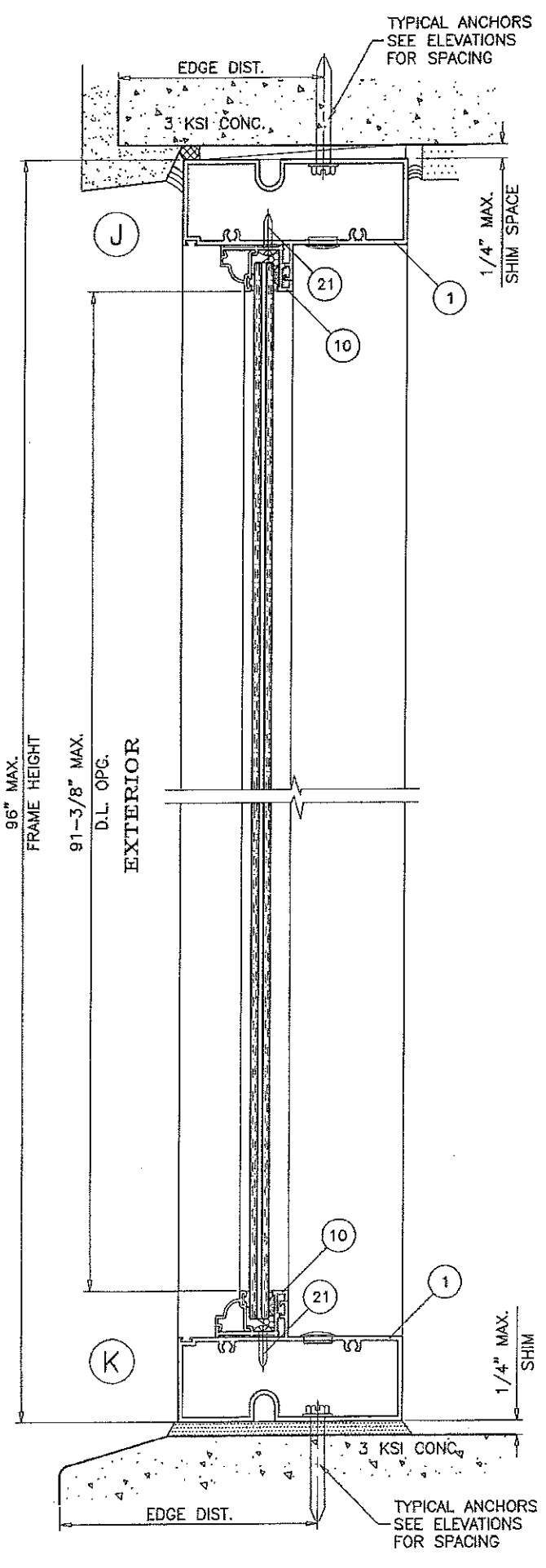
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 sheet 8 of 12

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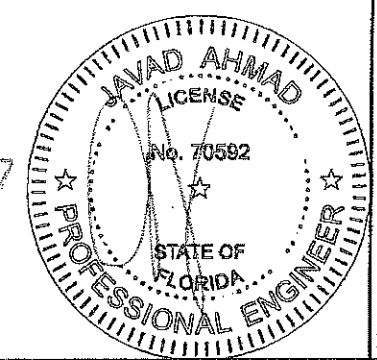
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 chk. by:

drawing no.  
**W10-08**  
 sheet 9 of 12

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 Miami-Dade Product Control



SIDELITE DETAILS  
 SIDELITE WITH DOOR DETAILS



LC 13 2017

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	V501	3/ DOOR	FRAME HEAD/JAMB	6063-T6	V & V SELECTED EXTRUDER
2	V502	1	FRAME SILL	6063-T6	V & V SELECTED EXTRUDER
3	V503	1	SILL COVER	6063-T6	V & V SELECTED EXTRUDER
4	V504	AS REQD.	SIDELITE STILE	6063-T6	V & V SELECTED EXTRUDER
5	V505	2/ LEAF	TOP AND BOTTOM RAIL	6063-T6	V & V SELECTED EXTRUDER
6	V506	1/ LEAF	HINGE STILE	6063-T6	V & V SELECTED EXTRUDER
7	V507	1/ LEAF	LOCK AND ASTRAGAL STILE	6063-T6	V & V SELECTED EXTRUDER
8	V513	AS REQD.	INACTIVE ASTRAGAL STILE	6063-T6	V & V SELECTED EXTRUDER
9	V508	2/ LEAF	SWEEP ADAPTER	6063-T6	V & V SELECTED EXTRUDER
10	V509	AS REQD.	SIDELITE ADAPTER	6063-T6	V & V SELECTED EXTRUDER
11	V511	AS REQD.	GLAZING BEAD - 5/16" GLASS	6063-T6	V & V SELECTED EXTRUDER
11A	V517	AS REQD.	GLAZING BEAD - 7/16" GLASS	6063-T6	V & V SELECTED EXTRUDER
12	V512	AS REQD.	REINFORCING STIFFENER	6063-T6	V & V SELECTED EXTRUDER
13	-	2/ LEAF	3/8" THREADED ROD	STEEL	-
15	V514	2/ LEAF	FLUSH BOLT SUPPORT ANGLE	6063-T5	1-1/2" X 1-1/2" X 3/16"
17	-	3/ LEAF	BALL BEARING HINGE ASSEMBLY	-	-
17A	-	3/ LEAF	3 PIECE HINGE ASSEMBLY	-	-
18	-	AS REQD.	SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
19	-	AS REQD.	FIN SEAL PILE WEATHERSTRIPPING	-	-
20	V516	AS REQD.	BULB WEATHERSTRIPPING	SANTOPRENE	DUROMETER 60±5
21	#8 X 1/2"	AS REQD.	GLAZING ADAPTER SCREWS	ST. STEEL	PH TEKS, AT 2" FROM ENDS & 8" O.C. MAX.
22	#10 X 2"	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	PH SMS
23	-	AS REQD.	SIDE LITE ADAPTER SCREWS	ST. STEEL	-
24	#8-32 X 1/2"	2/ ANGLE	SUPPORT ANGLE SCREWS	ST. STEEL	FH MS
25	-	AS REQD.	BUMPER SPACER	SILICONE	-

**LOCKS:**

**OPTION #1:**

**ACTIVE LEAF:**

3 POINT LOCK ASSEMBLY BY 'SULLIVAN AND ASSOC.'  
7/16" X 3" THROW BOLTS AT TOP AND BOTTOM  
ENGAGING FRAME AT HEAD AND SILL  
THROW BOLTS ATTACHED TO LOCK BY CONNECTING RODS  
LOCK LOCATED AT 52-3/4" FROM BOTTOM  
LOCK HANDLE AT 49-1/2" FROM BOTTOM

**INACTIVE LEAF**

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'  
1/2" X 2" THROW BOLTS ENGAGING FRAME AT  
HEAD AND SILL  
MANUALLY OPERATED LEVERS MOUNTED ON  
INSIDE FACE OF LEAF STILE LOCATED AT  
10-3/4" FROM TOP AND BOTTOM  
LOCK FASTENED TO STILE WITH (2) 38-32 X 1/2" FH MS

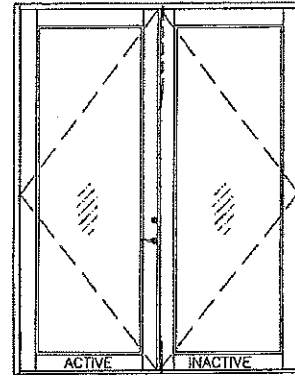
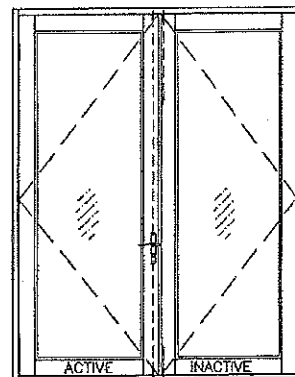
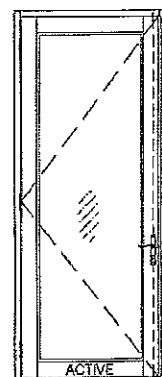
**OPTION #2:**

**ACTIVE LEAF:**

CONVENTIONAL DOOR LOCKSET WITH HANDLE BY  
'SULLIVAN AND ASSOC.' LOCATED AT 39" FROM  
BOTTOM  
KEY OPERATED ON EXTERIOR AND THUMB TURN ON  
INTERIOR THROW BOLT LOCK BY 'SULLIVAN AND ASSOC.'  
LOCATED AT 46" FROM BOTTOM

**INACTIVE LEAF**

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'  
1/2" X 2" THROW BOLTS ENGAGING FRAME AT  
HEAD AND SILL  
MANUALLY OPERATED LEVERS MOUNTED ON  
INSIDE FACE OF LEAF STILE LOCATED AT  
10-3/4" FROM TOP AND BOTTOM  
LOCK FASTENED TO STILE WITH (2) 38-32 X 1/2" FH MS



NOTE: LOCKS MUST BE ENGAGED DURING PERIODS OF HURRICANE WARNING.

**SEALANTS:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH PTI SILICONE.

**HINGES:**

**OPTION #1:**

4-3/4" BALL BEARING HINGES 3 PER LEAF  
BOTTOM HINGE AT 8-3/8" FROM BOTTOM RAIL  
TOP HINGE AT 11" FROM TOP RAIL  
CENTER HINGE AT MIDSPAN  
HINGES FASTENED WITH #12-24 X 1/2" FH MS

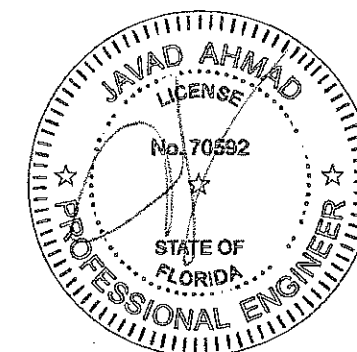
**OPTION #2:**

7-13/16" THREE PIECE HINGES 3 PER LEAF  
BOTTOM HINGE AT 8-3/8" FROM BOTTOM RAIL  
TOP HINGE AT 11" FROM TOP RAIL  
CENTER HINGE AT MIDSPAN  
HINGES FASTENED WITH #10-24 X 1/2" FH MS

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Expiration Date 09/01/2020

By   
Miami-Dade Product Control



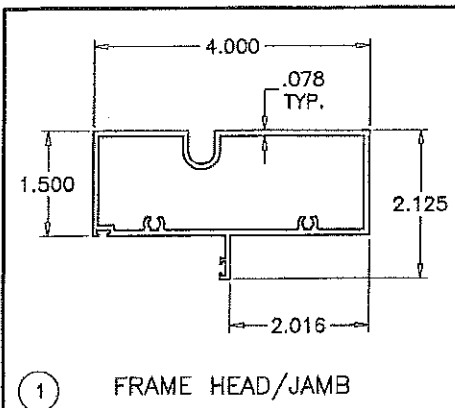
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**AL-FAROOQ CORPORATION**  
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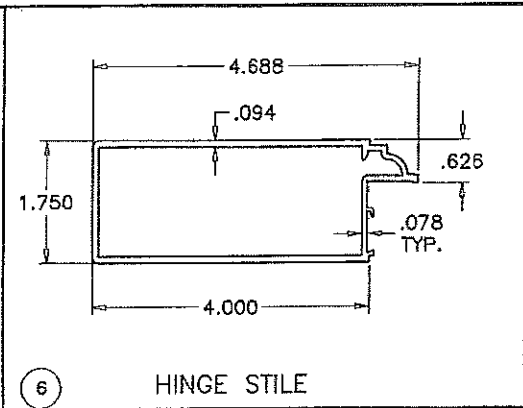
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sheet 10 of 12

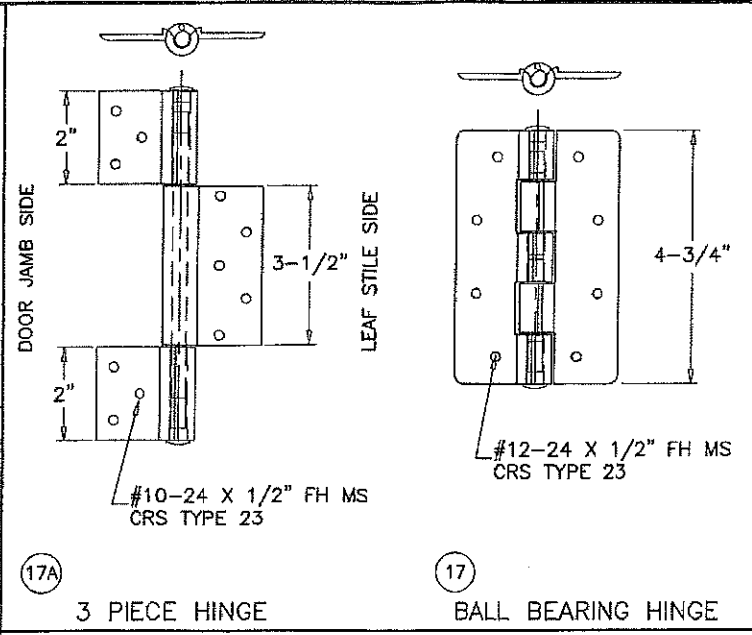
COMP-ANL\W10-08V



1 FRAME HEAD/JAMB

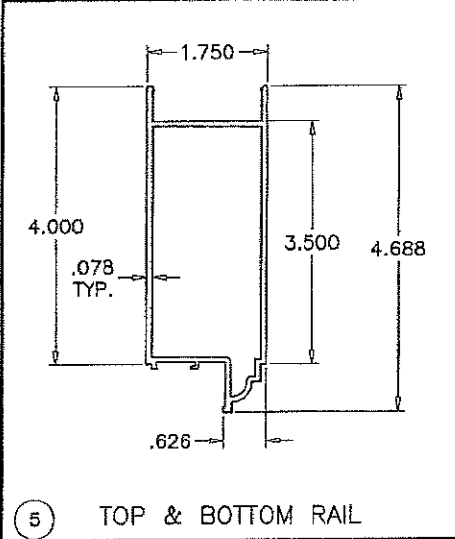


6 HINGE STILE

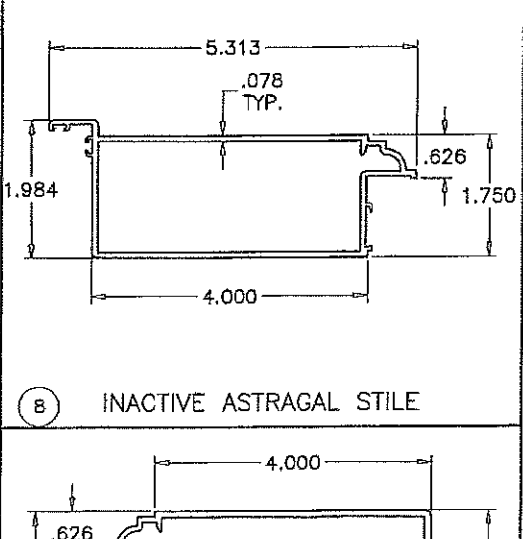


17A 3 PIECE HINGE

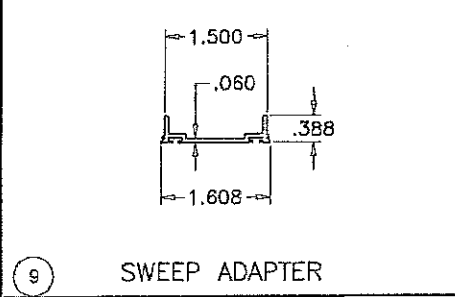
17 BALL BEARING HINGE



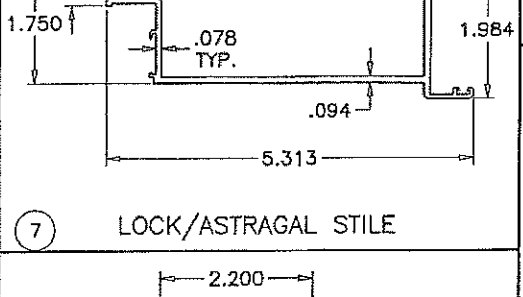
5 TOP & BOTTOM RAIL



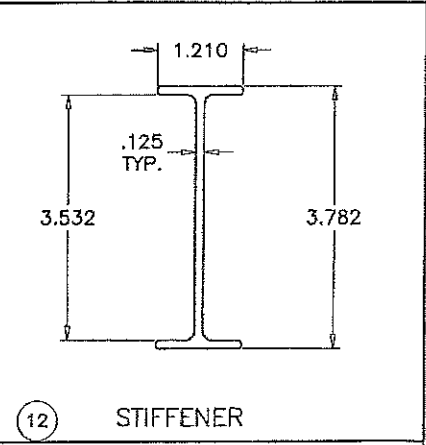
8 INACTIVE ASTRAGAL STILE



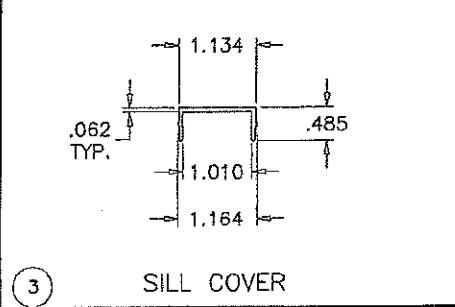
9 SWEEP ADAPTER



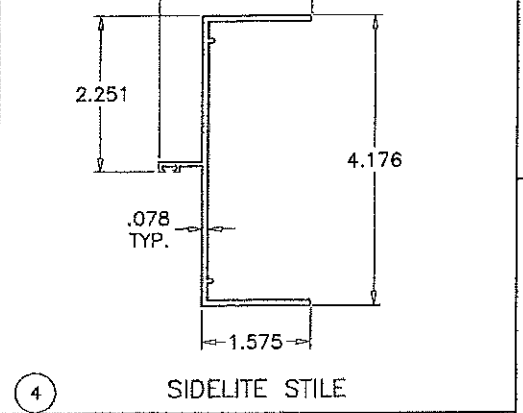
7 LOCK/ASTRAGAL STILE



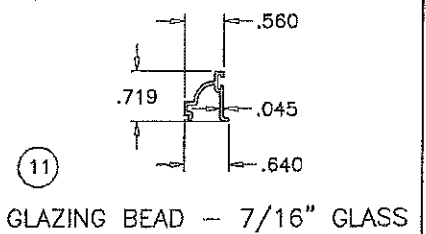
12 STIFFENER



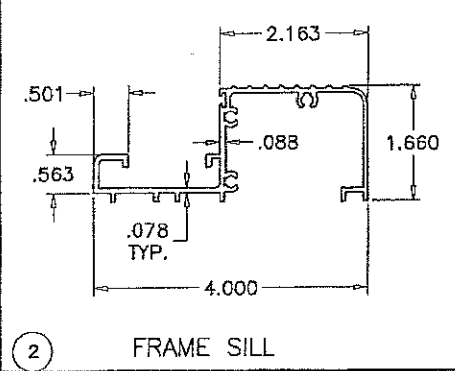
3 SILL COVER



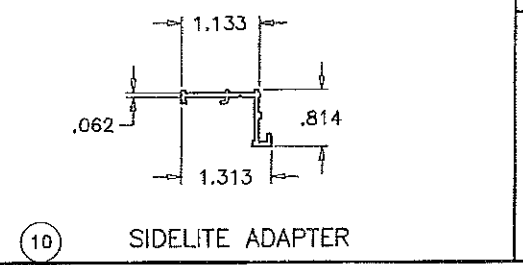
4 SIDELITE STILE



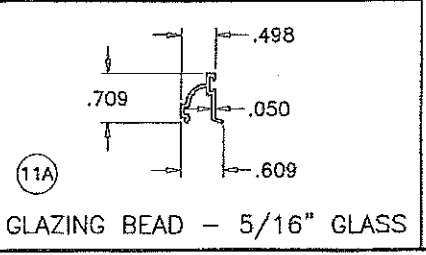
11 GLAZING BEAD - 7/16" GLASS



2 FRAME SILL



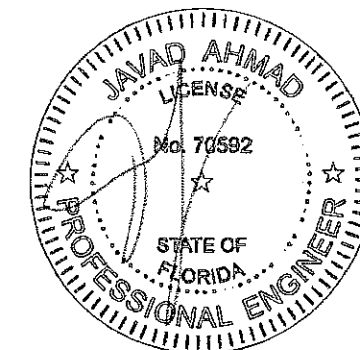
10 SIDELITE ADAPTER



11A GLAZING BEAD - 5/16" GLASS

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 By Javad Ahmad  
 Miami-Dade Product Control

LC 10 2017

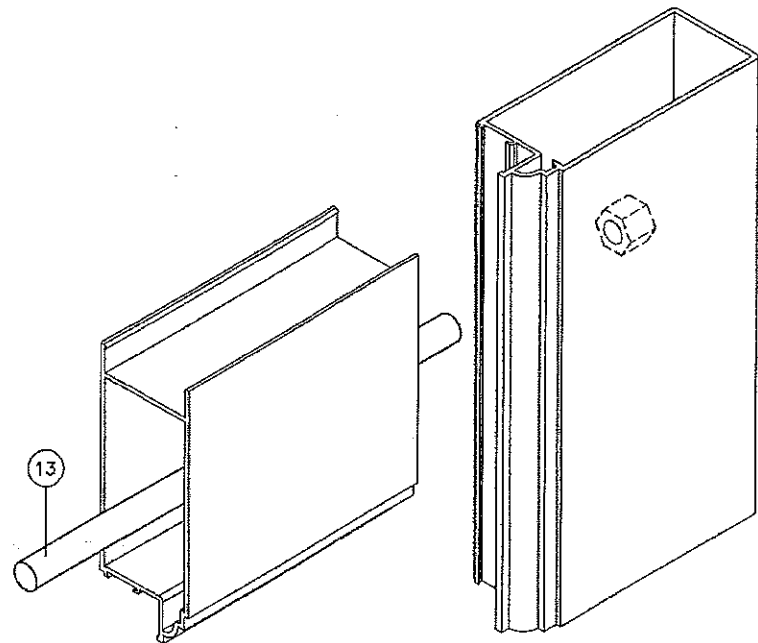


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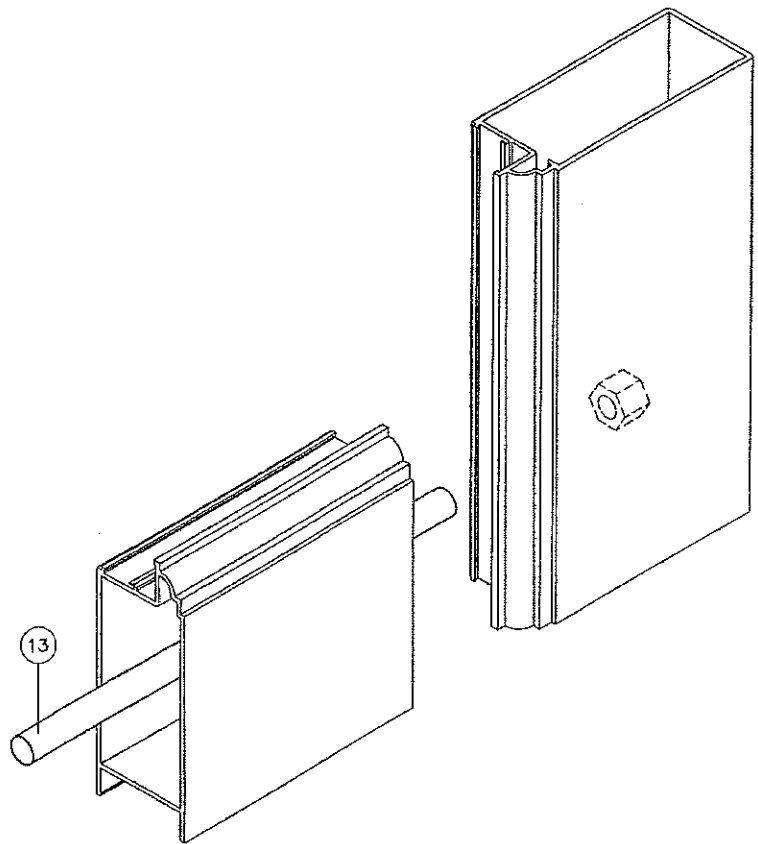
ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL: (305) 888-4151 FAX: (305) 888-1042

no	date	by	description
C	11.22.11		NO CHANGE THIS SHEET
D	02.12.15		NO CHANGE THIS SHEET
E	07.31.15		REV. PER RER COMMENTS
F	09.03.15		NO CHANGE THIS SHEET
G	03.29.17		UPDATED TO 2017 FBC

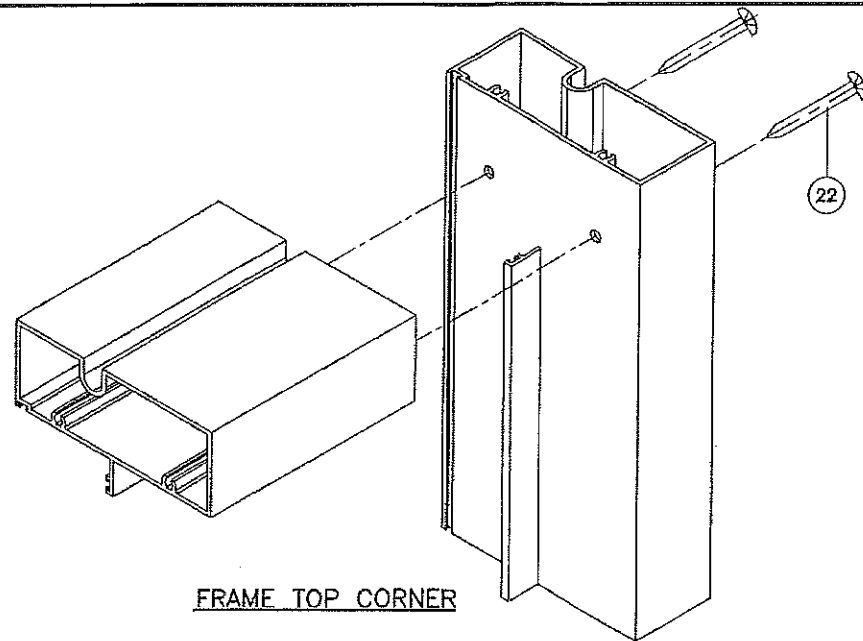
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 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **W10-08**  
 sheet 11 of 12



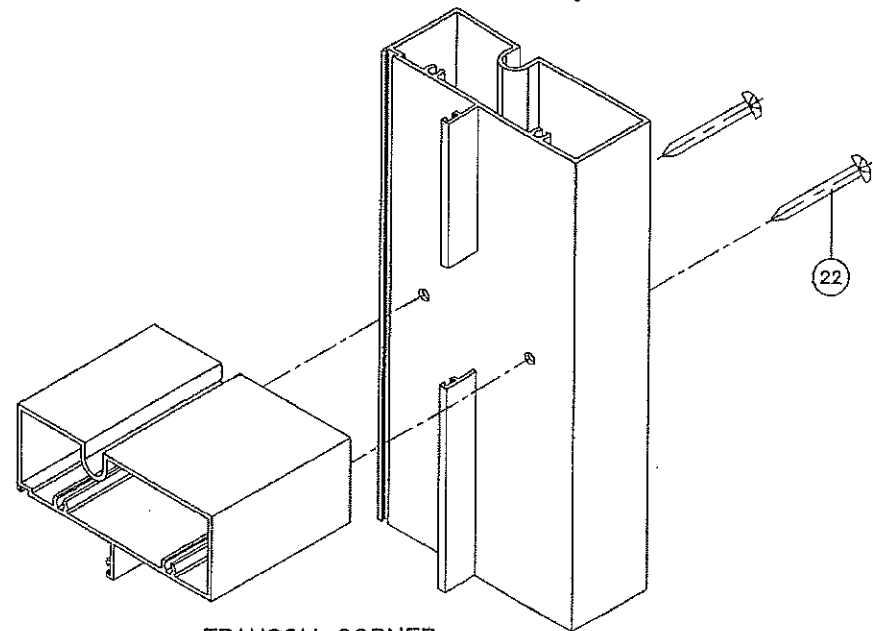
LEAF TOP CORNER



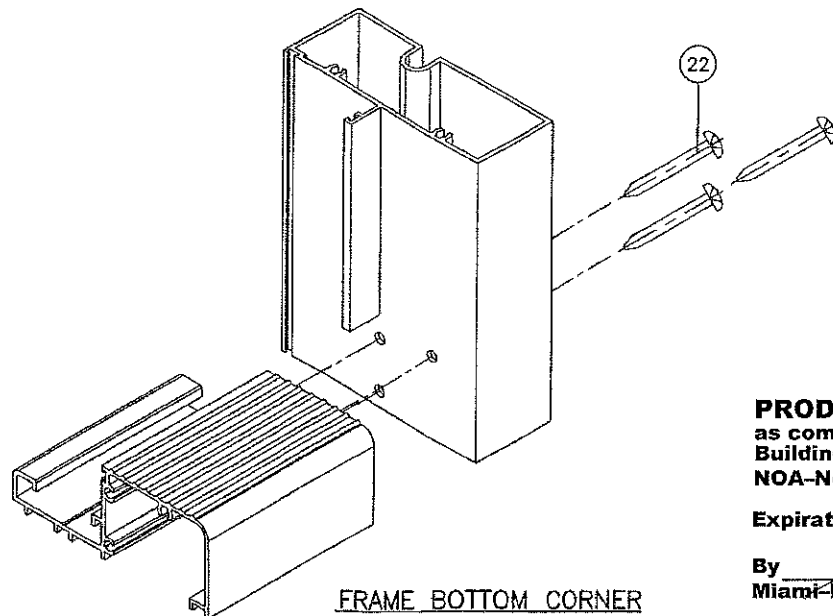
LEAF BOTTOM CORNER



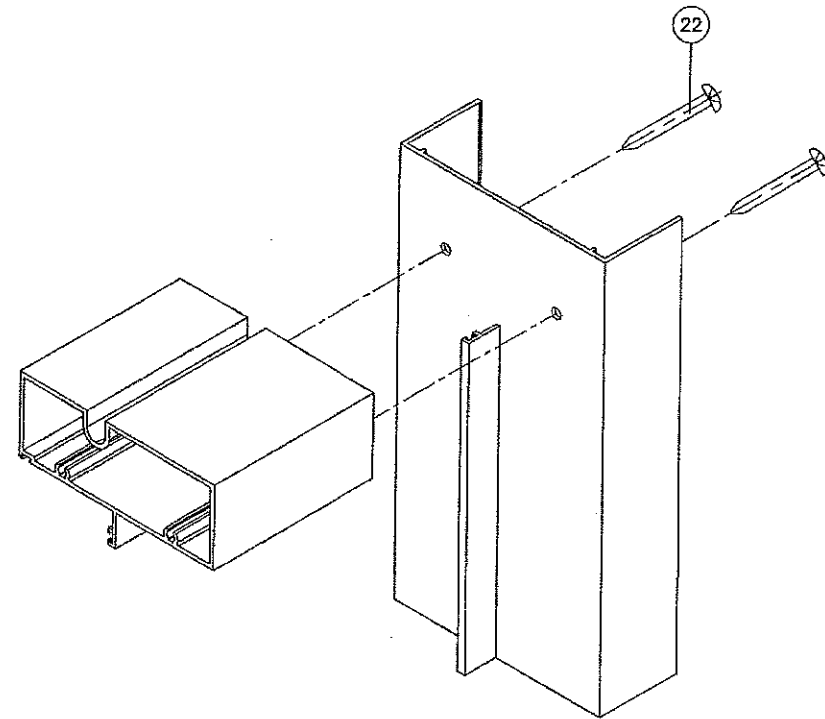
FRAME TOP CORNER



TRANSOM CORNER



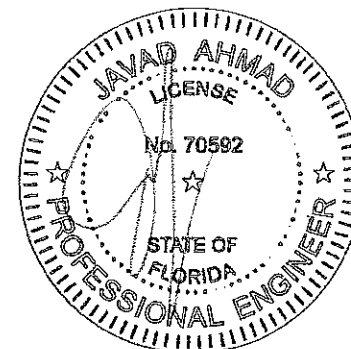
FRAME BOTTOM CORNER

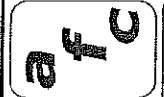


SIDELITE SLIP ON JAMB CORNER

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 17-1011.02  
 Expiration Date 09/01/2020  
 By [Signature]  
 Miami-Dade Product Control

L-13 2017





**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W10-08VV

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no.	date	by	description
C	11.22.11		NO CHANGE THIS SHEET
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date: 02-24-10  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W10-08**  
 sheet 12 of 12