



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

NOTICE OF ACCEPTANCE (NOA)

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/economy

E.S. Windows, LLC
3550 NW 49th Street
Miami, FL 33142

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 "ES-SW340 Thermal" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W15-25**, titled "ES-SW340 Thermal Aluminum Sliding Wdw. (L.M.I)", sheets 1 through 11 of 11, dated 06/19/15, with revision **D** dated 03/04/24, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Renewal 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, **Barranquilla, Colombia**, model/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.

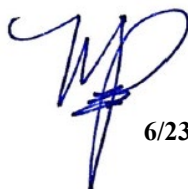
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. **24-0425.02** and consists of this page 1, and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




6/23/26

NOA No. 26-0506.05
Expiration Date: August 25, 2031
Approval Date: July 02, 2026
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0305.01)
2. Drawing No. **W15-25**, titled "ES-SW340 Thermal Aluminum Sliding Wdw. (L.M.I)", sheets 1 through 14 of 14, dated 06/19/15, with revision **D** dated 03/04/24, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 24-0425.02)

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 AAMA 1303-05 and TAS 202-94
along with marked-up drawings and installation diagram of series ES-SW340 aluminum horizontal sliding window, prepared by FTL, a QAI Company, Test Report No. **FTL-12522**, dated 10/08/21, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 24-0425.02)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
7) Standard Test Method for Determination of Operating Force of Sliding Windows and Doors per ASTM E 2068-00 (2008)
8) Forced Entry Test, per ASTM F 588-04/ 07 and per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7903**, dated 03/15/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0305.01)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0506.05
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

C. CALCULATIONS

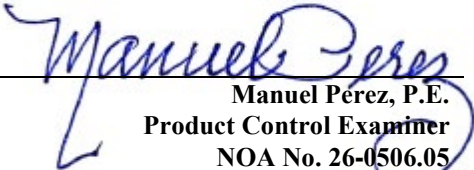
1. Anchor verification calculations and structural analysis, complying with FBC 8th Edition (2023), dated 04/16/24, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 24-0425.02)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 08/31/23, expiring on 07/04/28.
2. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 03/21/24, expiring on 07/08/29.
3. 0.315-inch (Length) by 0.26-inch (Height) by 0.0059-inch (Thickness) (8x6.6x0.15mm) Aluminum Low Profile Insulated-Glass spacer **Helima AH 800 N** (P/N.: USA K 001 000 000 R7) with Aluminum Alloy **AW-3000** ($F_{tu}=17$ ksi and $F_{ty}=12$ ksi) by **Helmut Lingemann GmbH & Co., KG.** (Helima).
4. Ensinger, GmbH Part No. **Tecatherm 66 GF Insulbar** complying with ASTM D638 Tensile Strength of 13,031 psi, ASTM D 1929 Self Ignition 793°F and Flash Ignition – 781°F, ASTM D 2843 Smoke Density of 1.63, ASTM D 635 Rate of Burn 0.752 in./min., ASTM D 790 Flexural Modulus of 870 ksi, ASTM D 256 Notched Izod of 1.9 ft.-lb./in.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0506.05
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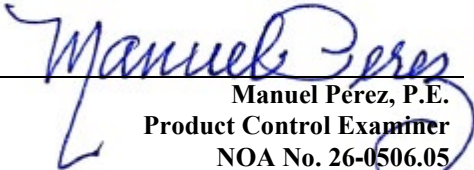
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, and of no financial interest, dated April 16, 2024, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 24-0425.02)
2. Proposal No. **24-0103** issued by the Product Control Section, dated March 01, 2024, signed by Manuel Perez, P.E.
(Submitted under NOA No. 24-0425.02)
3. Distributor Agreement between ES Windows–Energía Solar, S.A., Barranquilla, Columbia, S.A. and ES Windows, LLC, Miami, Florida, dated 09/12/13, signed by Ms. Adriana Montoya, Manager and Andres Chamorro, General Manager respectively on behalf of the companies.
(Submitted under NOA No. 15-0305.01)
4. Laboratory compliance letter for Test Report No. **FTL-7903**, issued by Fenestration Testing Laboratory, Inc., dated 03/15/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0305.01)
5. Proposal issued by Product Control, dated 02/10/14, signed by Jaime D. Gascon, P.E.
(Submitted under NOA No. 15-0305.01)

G. OTHERS

1. Notice of Acceptance No. **20-1202.04**, issued to E.S. Windows, LLC for their Series “ES-SW340 Thermally Broken” Aluminum Horizontal Sliding Window – L.M.I., approved on 03/25/21 and expiring on 08/25/26.


Manuel Pérez, P.E.
Product Control Examiner
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 08/31/23, expiring on 07/04/28.
2. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 03/21/24, expiring on 07/08/29.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, and of no financial interest, dated May 1, 2026, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **24-0425.02**, issued to E.S. Windows, LLC for their Series “**ES-SW340 Thermal**” Aluminum Horizontal Sliding Window – L.M.I., approved on 08/15/24 and expiring on 08/25/26.

The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.

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

ES-SW340 (L.M.I.)
THERMAL ALUMINUM HORIZONTAL SLIDING WINDOW

NOA APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF H.R./H.R. OR HORIZ. SLIDING WITH OTHER
WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING
MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION NOA
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH 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.

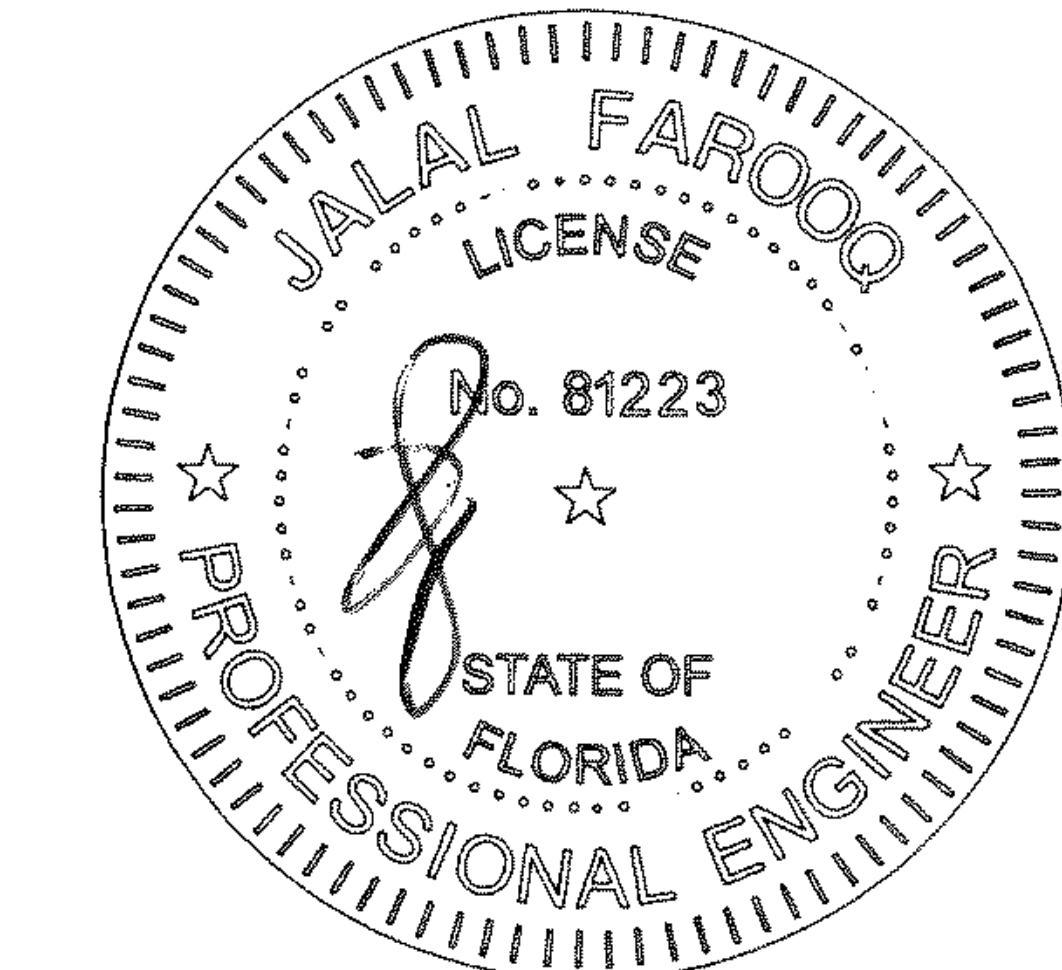
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT NOA 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)'.



APR 23 2024

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0506.05
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 24-0425.02
Expiration Date: 08/25/2026
By: Manuel Perez
Miami-Dade Product Control

afcc

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

COMP-ANL\W15-25-ES

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description
A	06.08.16		NO CHANGE THIS SHEET
B	02.07.18		UPDATED TO 2017 FBC
C	11.05.20		UPDATED TO 2020 FBC
D	03.04.24		GENERAL REVISION

date: 06-19-15

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

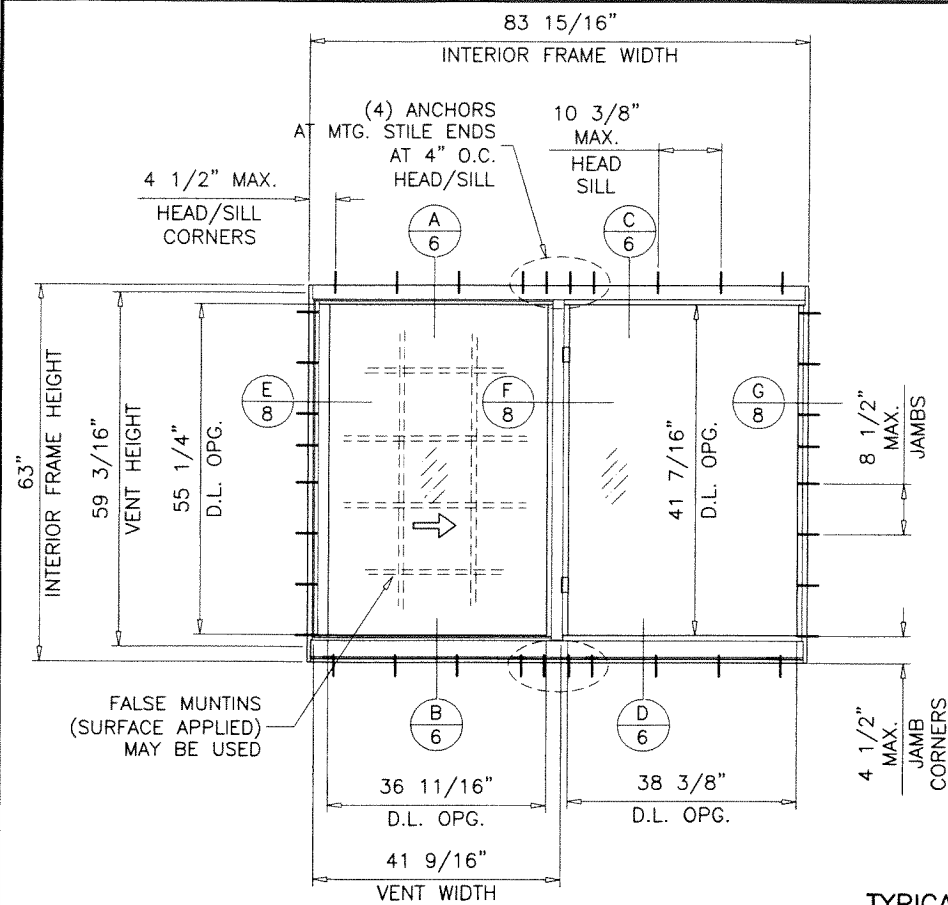
dr. by: TARIQ

chk. by:

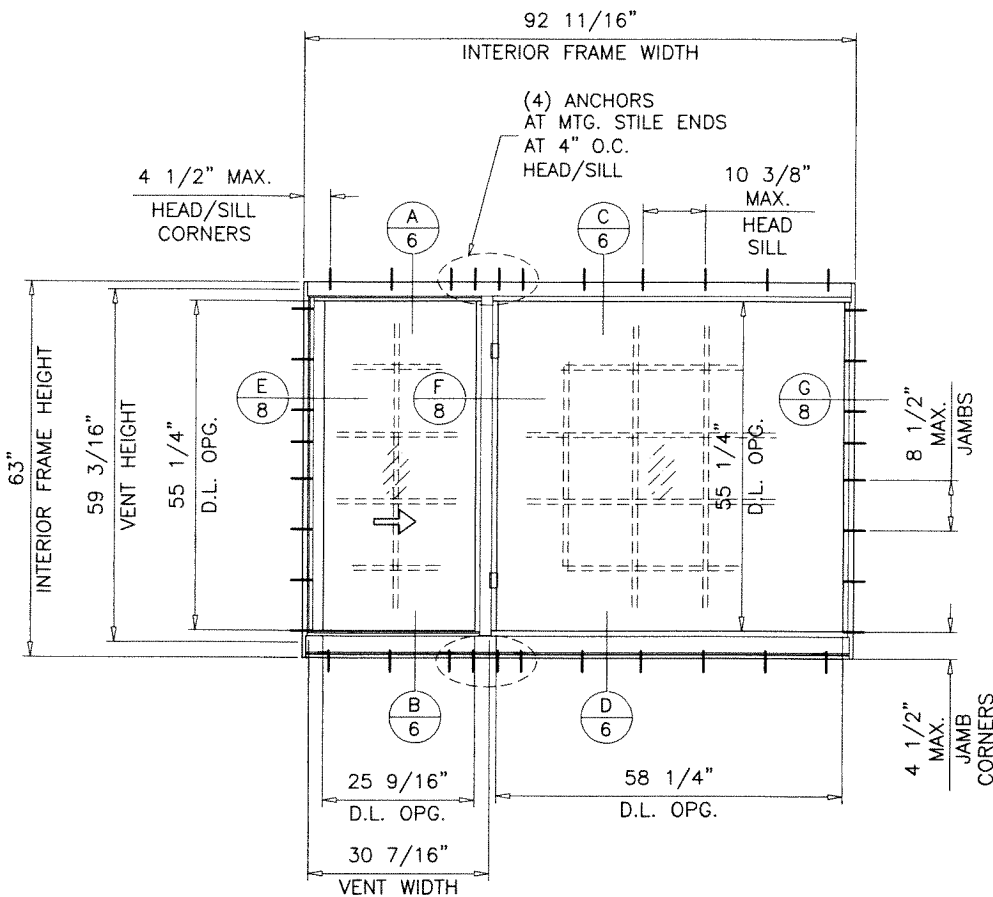
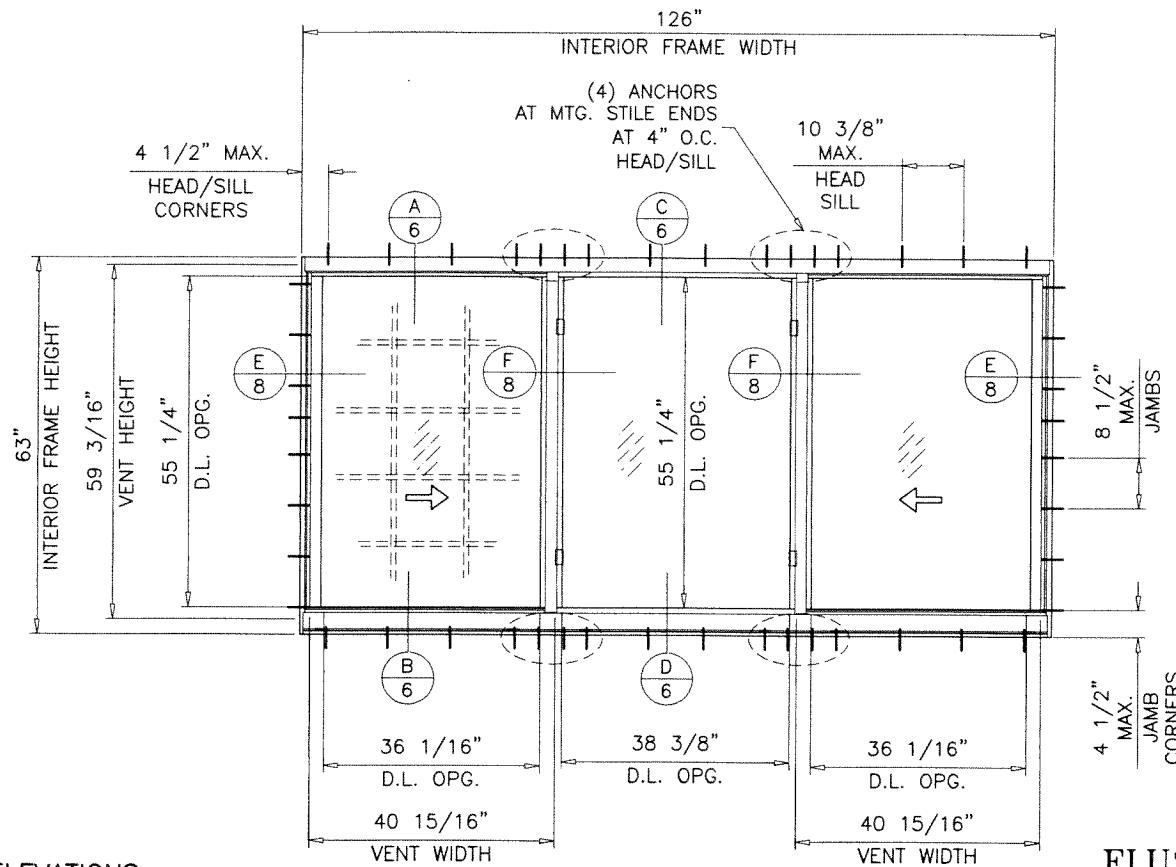
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W15-25

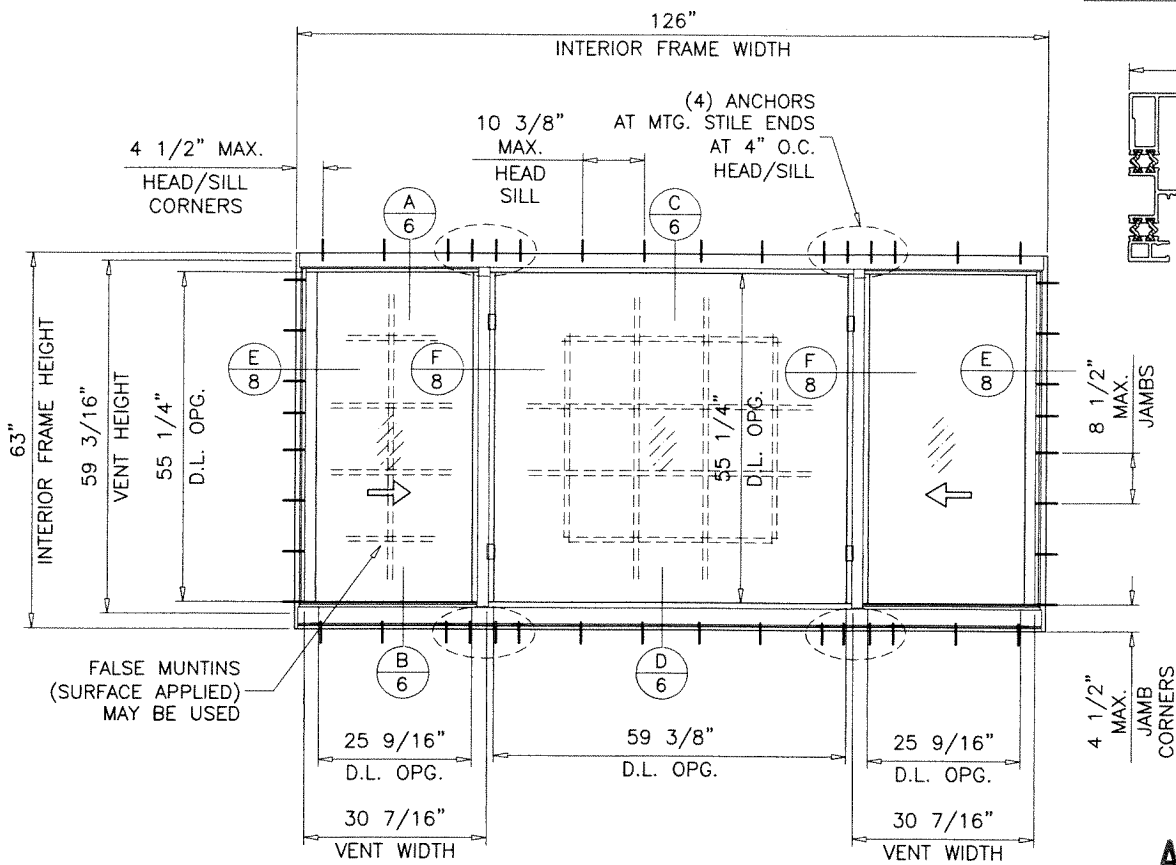
sheet 1 of 14



TYPICAL ELEVATIONS
(EQUAL LITES)



TYPICAL ELEVATIONS
(UNEQUAL LITES)



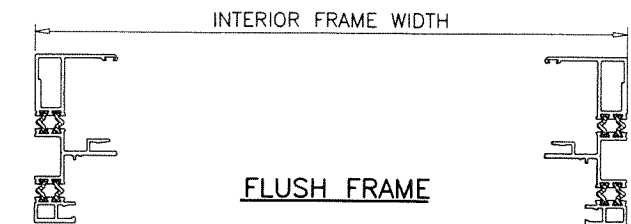
NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0506.05**
Expiration Date: **08/25/2031**
By: *Manuel Ferrer*
Miami-Dade Product Control

FLUSH FRAMES

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 90.0 PSF

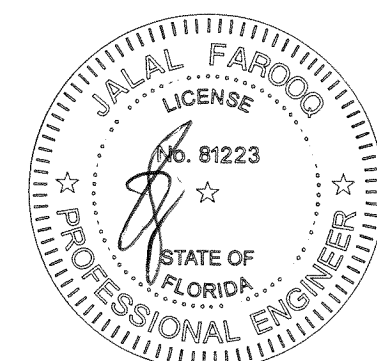
ALTERNATE SIZES CAN NOT EXCEED VENT OR FIXED SIZES
OF SHOWN ELEVATIONS.



FLUSH FRAME

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FLUSH FRAMES



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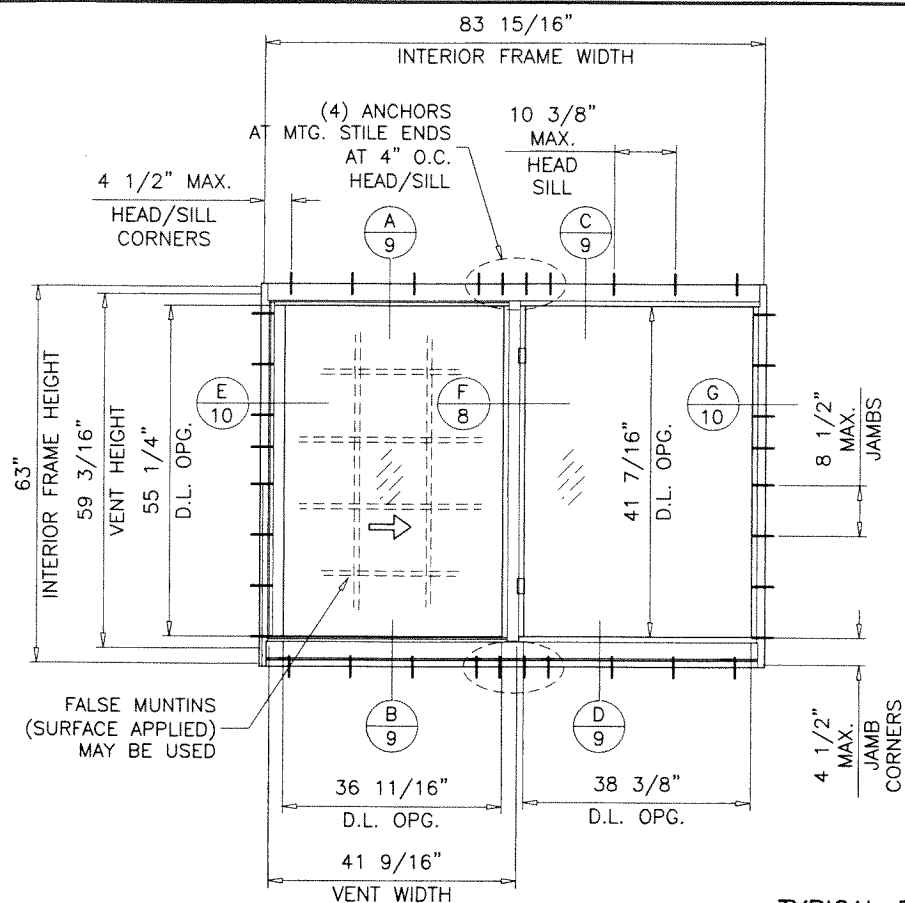
AL-FAROOQ CORPORATION
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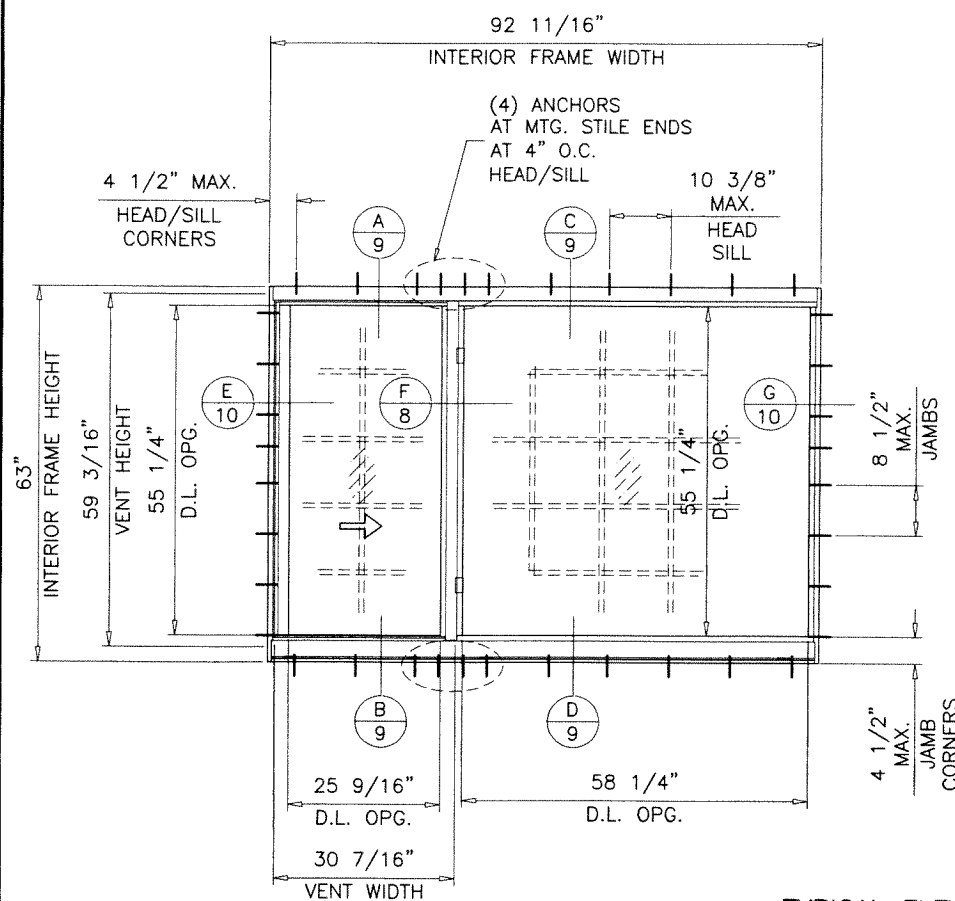
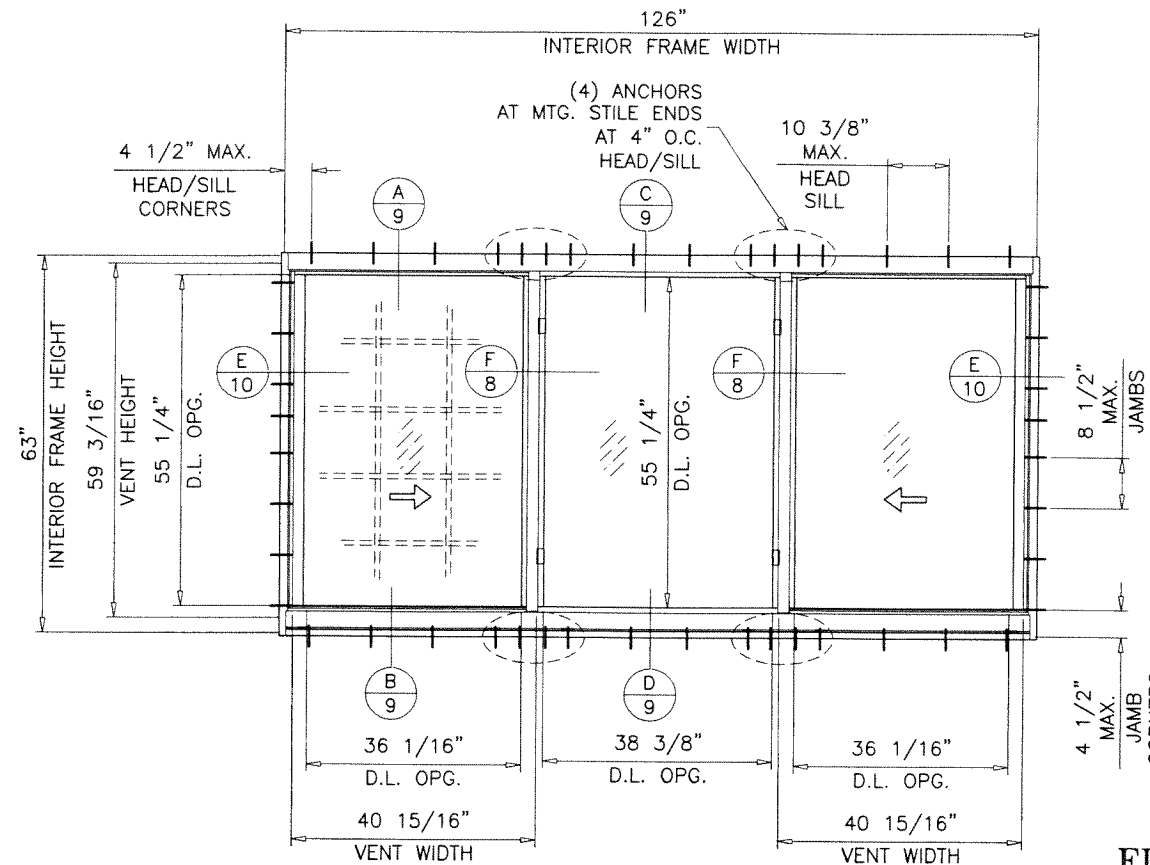
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	B	02.07.18		UPDATED TO 2017 FBC
	C	11.05.20		UPDATED TO 2020 FBC
	D	03.04.24		GENERAL REVISION

date:	06-19-15
scale:	3/8"=1'-0"
dr. by:	TARIQ
chk. by:	

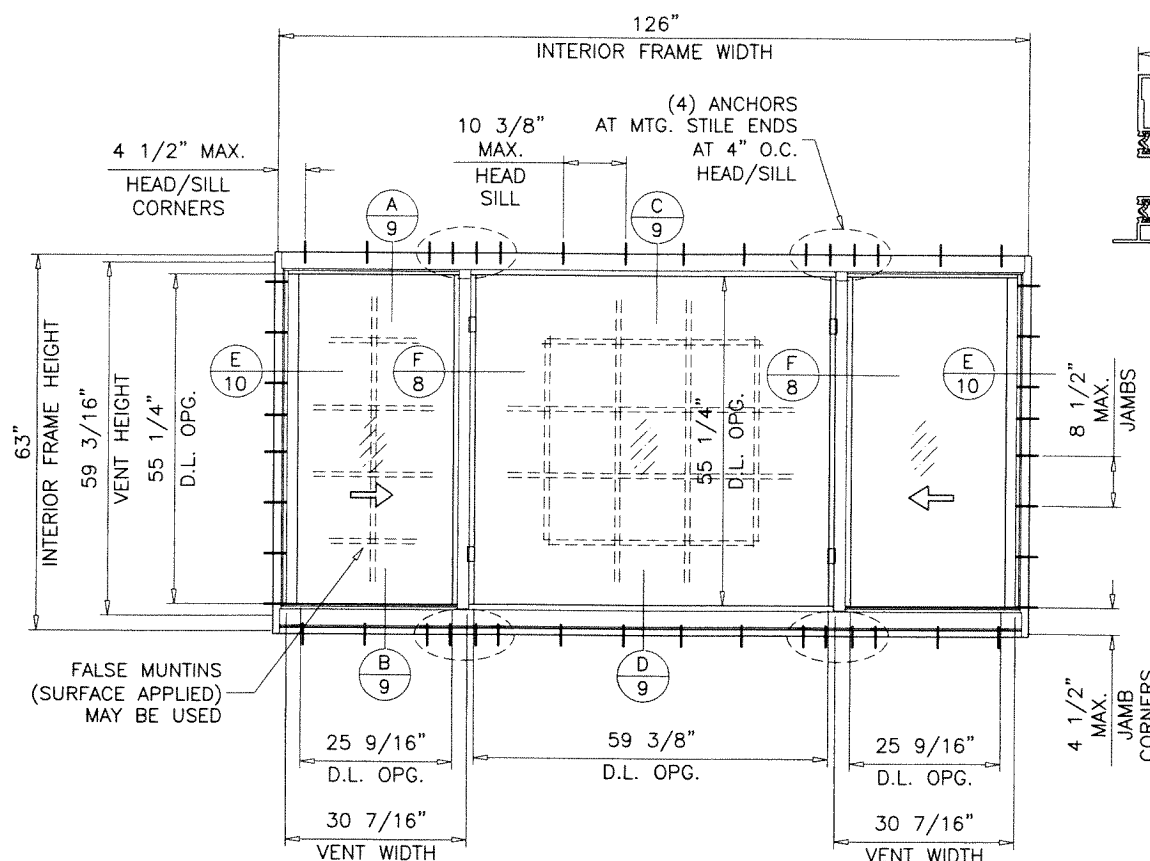
drawing no.	W15-25
sheet	2 of 14



TYPICAL ELEVATIONS
(EQUAL LITES)

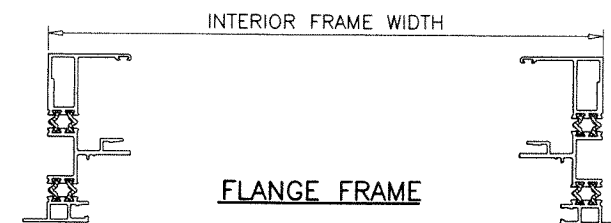


TYPICAL ELEVATIONS
(UNEQUAL LITES)



FLANGE FRAMES

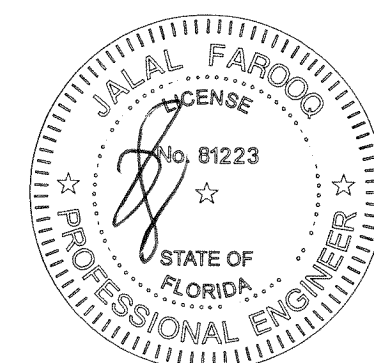
MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 90.0 PSF
ALTERNATE SIZES CAN NOT EXCEED VENT OR FIXED SIZES
OF SHOWN ELEVATIONS.



FLANGE FRAME

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FLANGE FRAMES



APR 23 2024

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ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)

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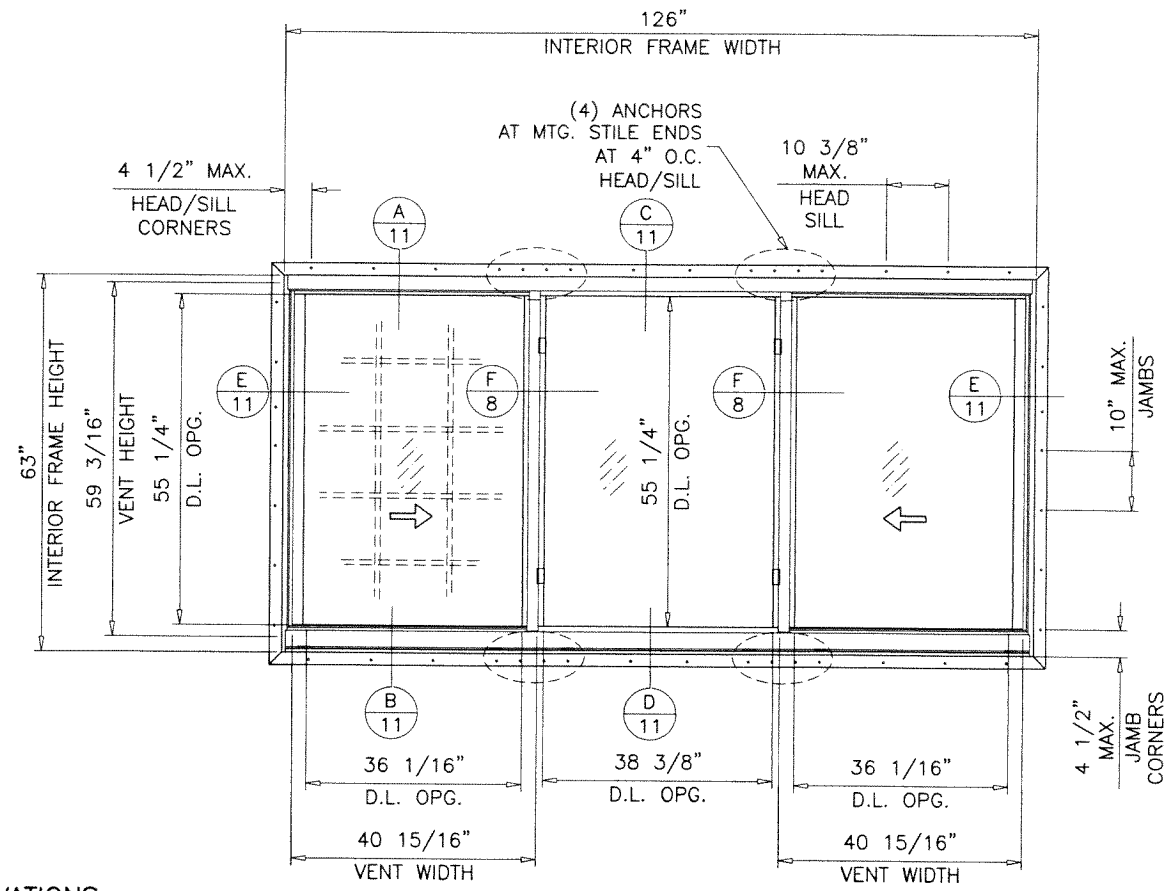
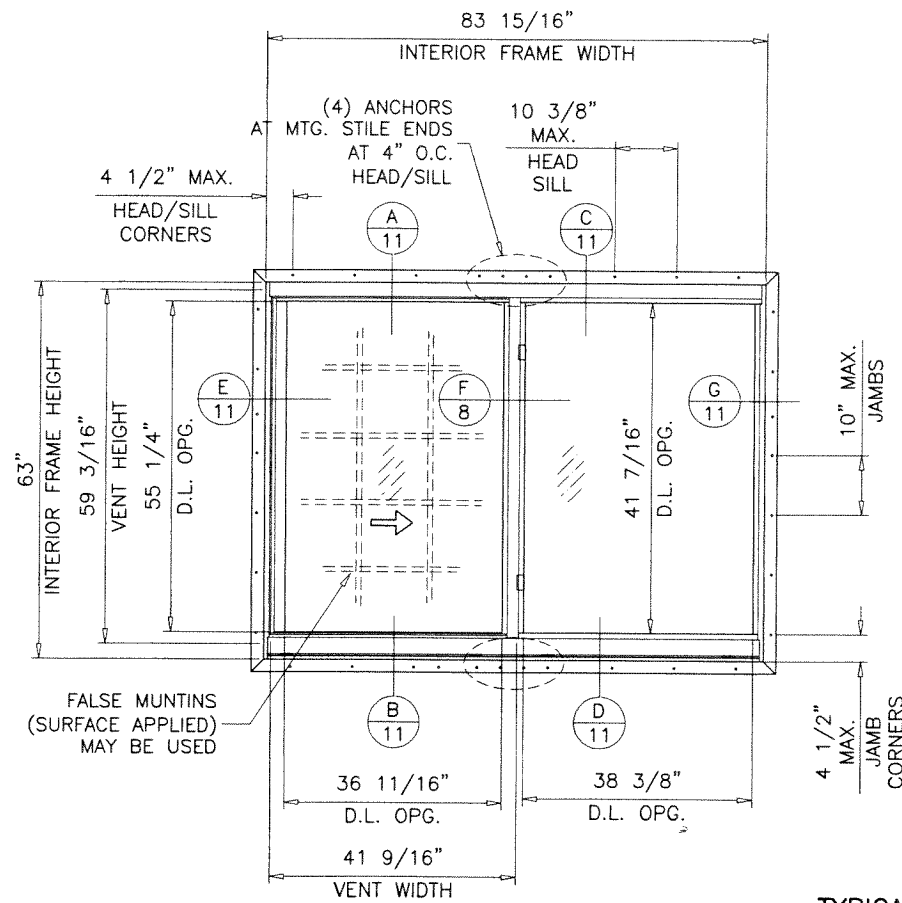
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dr. by:	TARIQ
chk. by:	

drawing no.
W15-25
sheet 3 of 14

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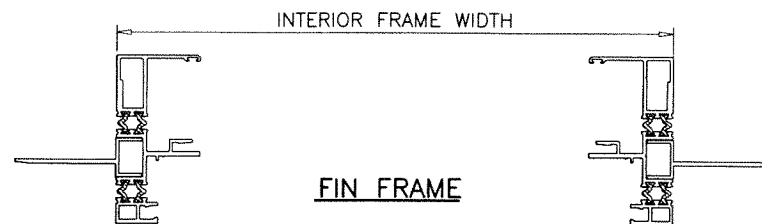
COMP-ANL\W15-25-ES



TYPICAL ELEVATIONS
(EQUAL LITES)

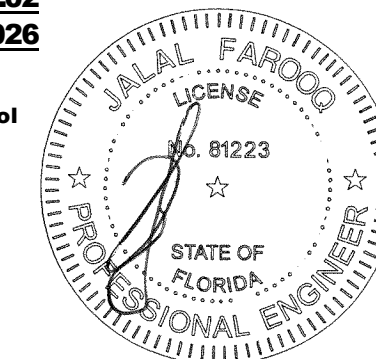
FIN FRAMES

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN OR SMALLER) **- 75.0 PSF**
ALTERNATE SIZES CAN NOT EXCEED VENT OR FIXED SIZES
OF SHOWN ELEVATIONS.



NOTE:
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APR 23 2024

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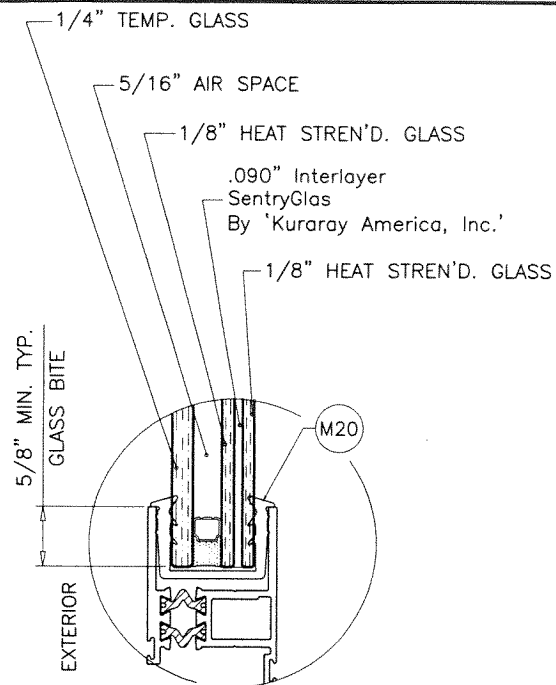
ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)
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9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-25-ES

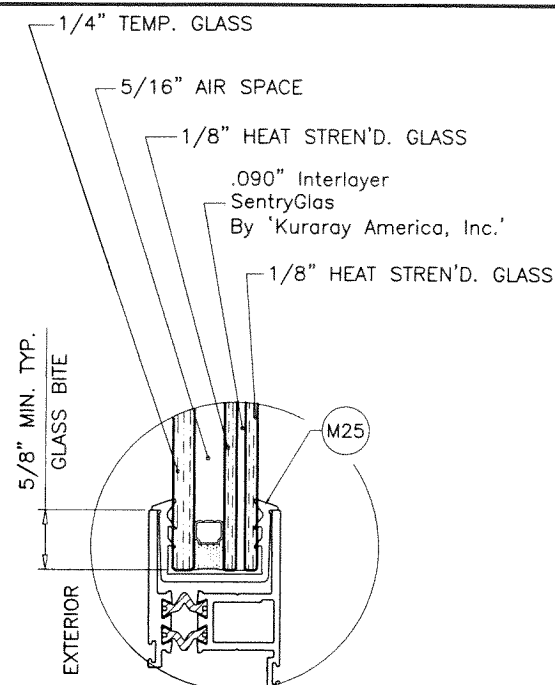
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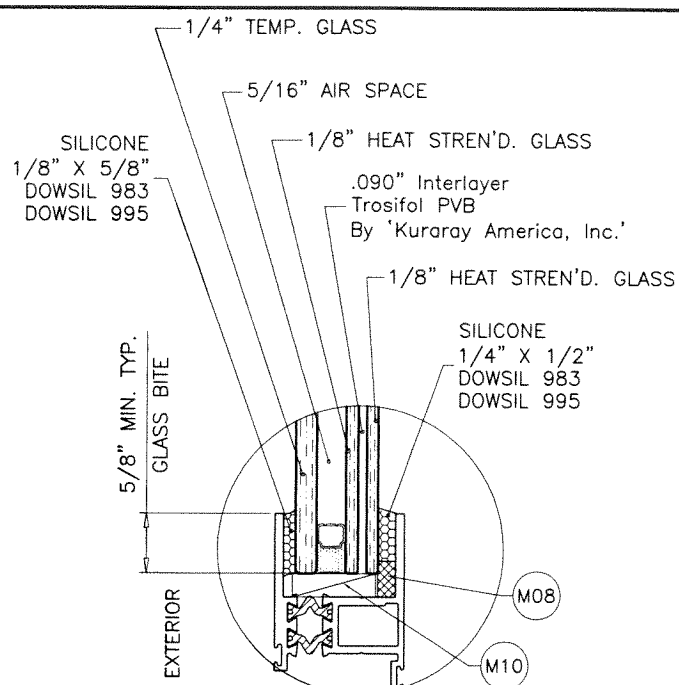
drawing no.	W15-25
sheet	4 of 14



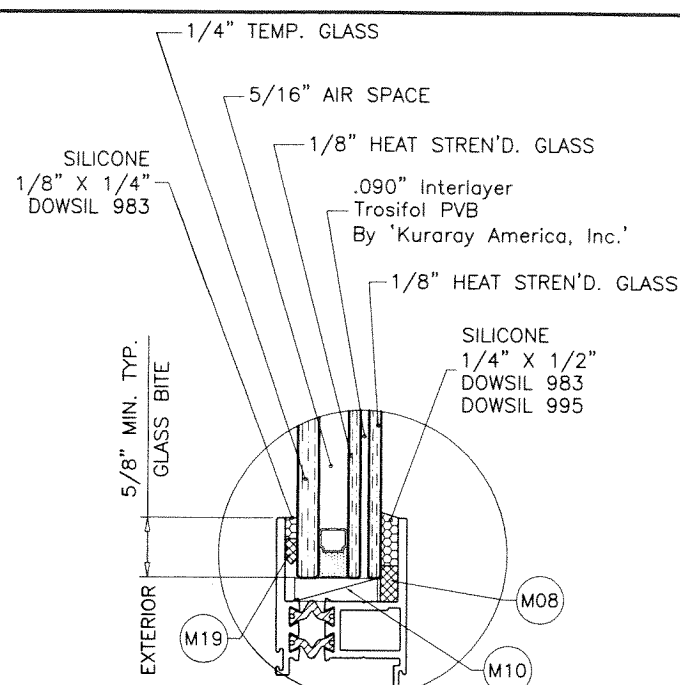
VENT
(EQUAL & UNEQUAL LITES)
(MAX. DESIGN LOAD = +80.0, -90.0 PSF)



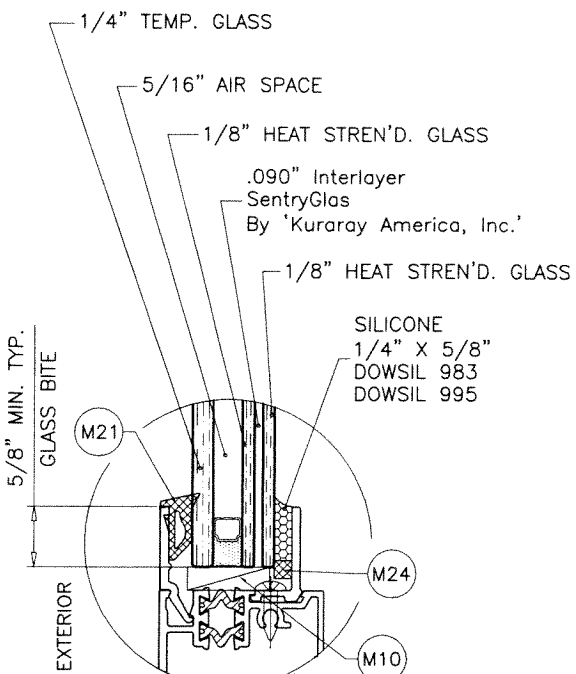
VENT
(EQUAL & UNEQUAL LITES)
(MAX. DESIGN LOAD = +80.0, -90.0 PSF)



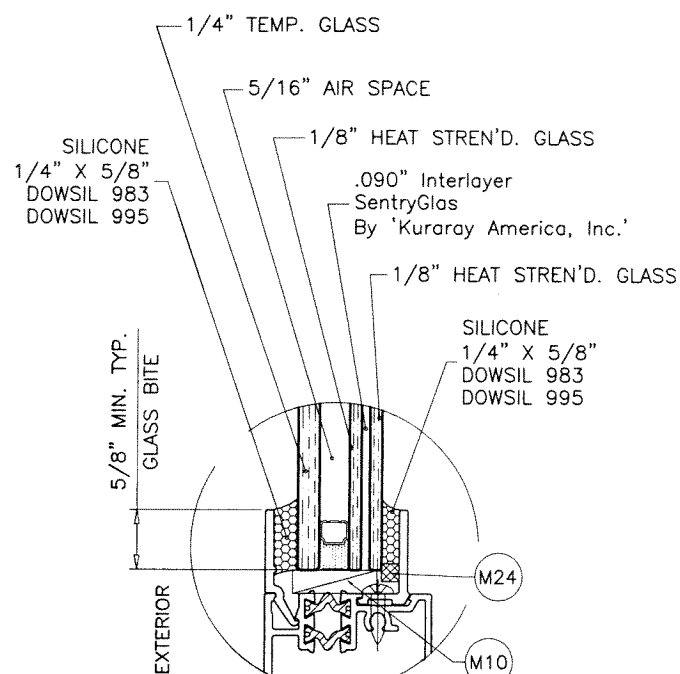
VENT
(EQUAL & UNEQUAL LITES)
(MAX. DESIGN LOAD = +80.0, -90.0 PSF)



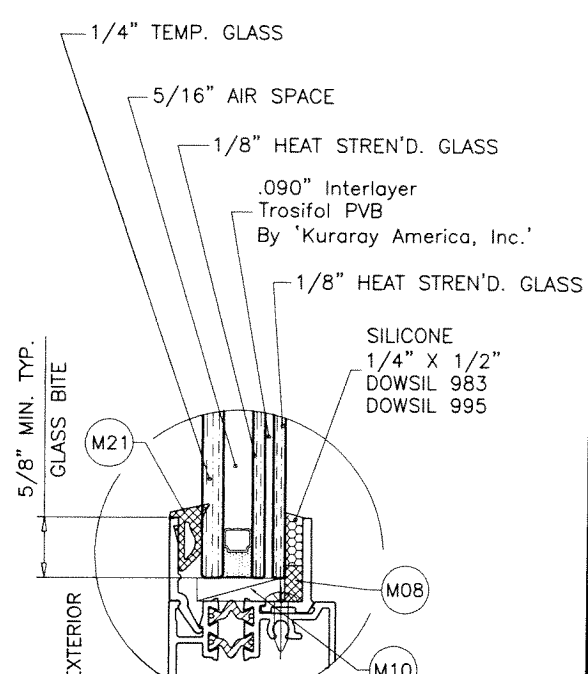
VENT
(EQUAL LITES ONLY)
(MAX. DESIGN LOAD = +70.0, -75.0 PSF)



FIX. LITE
(EQUAL & UNEQUAL LITES)
(MAX. DESIGN LOAD = +80.0, -90.0 PSF)



FIX. LITE
(EQUAL & UNEQUAL LITES)
(MAX. DESIGN LOAD = +80.0, -90.0 PSF)



FIX. LITE
(EQUAL LITES ONLY)
(MAX. DESIGN LOAD = +70.0, -75.0 PSF)

GLAZING DETAILS

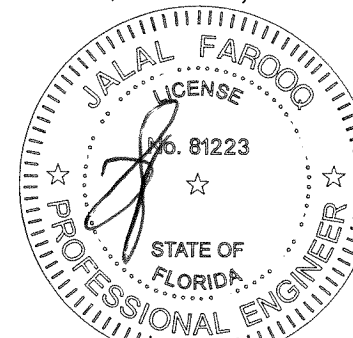
7/8" OVERALL INSUL. LAM. GLASS

5/16" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0506.05**
Expiration Date: **08/25/2031**
By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **24-0425.02**
Expiration Date: **08/25/2026**
By: *Manuel Perez*
Miami-Dade Product Control

APR 23 2024



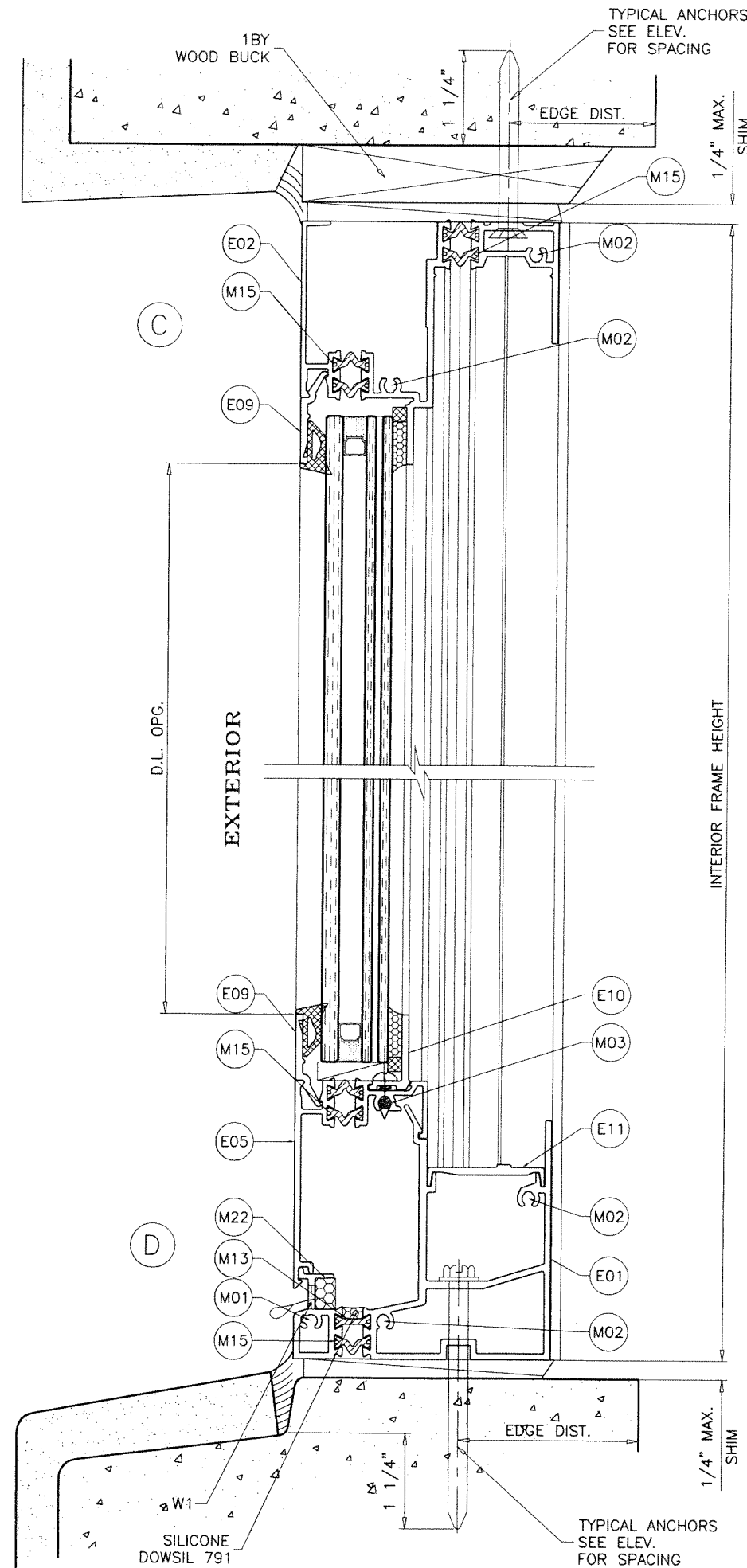
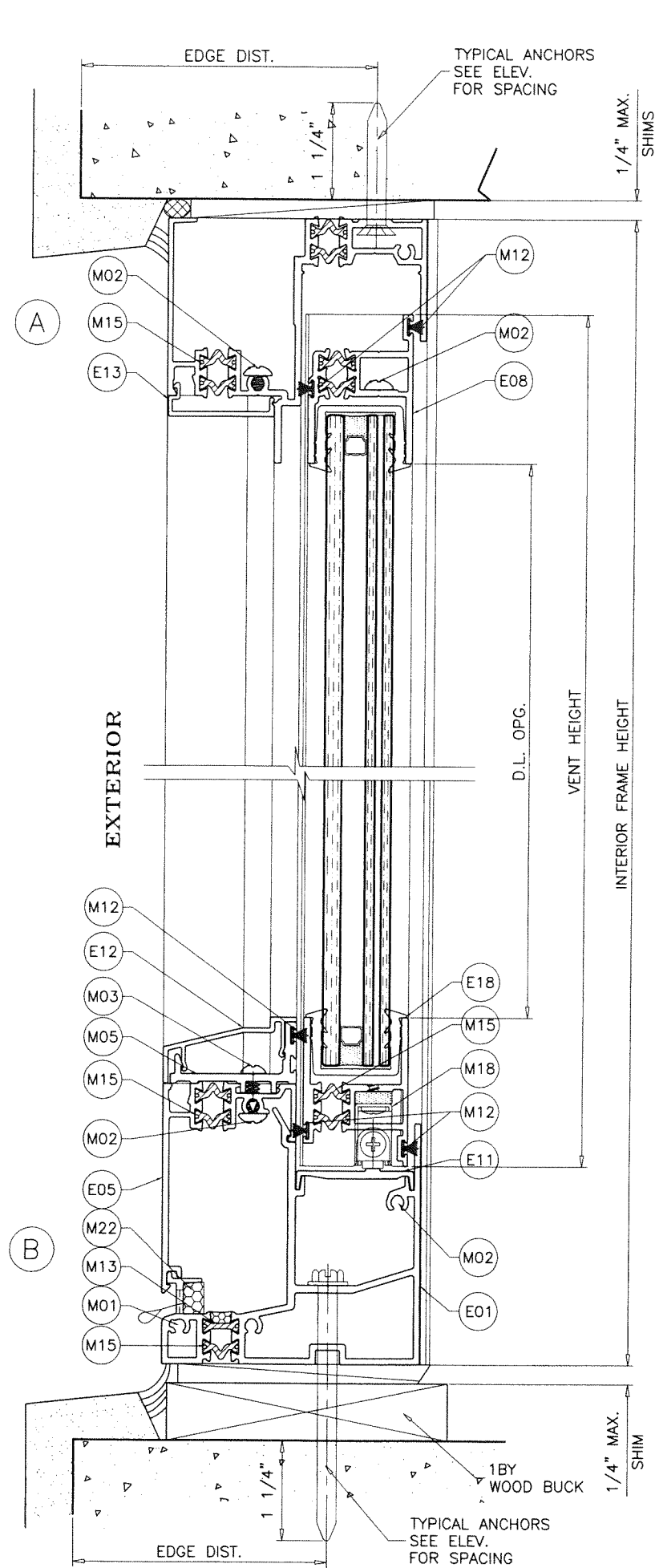
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
A	06.08.16		NO CHANGE THIS SHEET
B	02.07.18		UPDATED TO 2017 FBC
C	11.05.20		UPDATED TO 2020 FBC
D	03.04.24		GENERAL REVISION

date: 06-19-15
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-25
sheet 5 of 14

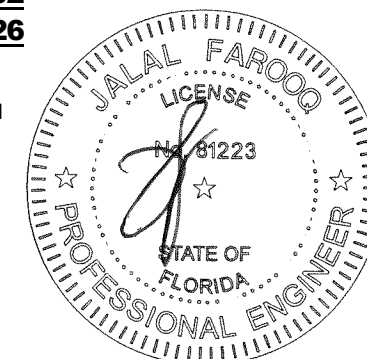


WEEPHOLES:

- W1 = (2) 3/16" X 2" WEEPHOLES AT EACH VENT
(2) 3/16" X 2" WEEP HOLES AT FIX. LITE

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FLUSH FRAMES



APR 23 2024

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W15-25
sheet 6 of 14

AL-FAROOQ CORPORATION
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COMP-ANL\W15-25-ES

WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#14 DIA. CRETE-FLEX SS4 BY 'DEWALT' (Fu=190 KSI, Fy=127 KSI)

1/4" DIA. AGGRE-GATOR 300 BY 'DEWALT' (Fu=96 KSI, Fy=57 KSI)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)

DIRECTLY INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)

1/4" DIA. ULTRACON SS4 410 BY 'DEWALT' (Fu=190 KSI, Fy=164 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR GROUT-FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR GROUT-FILLED BLOCKS (JAMBS)

1/4" DIA. BI-FLEX 300 SELF DRILLING SCREWS BY 'DEWALT' (Fu=96 KSI, Fy=57 KSI)

1/4" DIA. DRIL-FLEX SELF DRILLING SCREWS BY 'DEWALT' (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR

INTO METAL STRUCTURES (HEAD/SILL/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)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

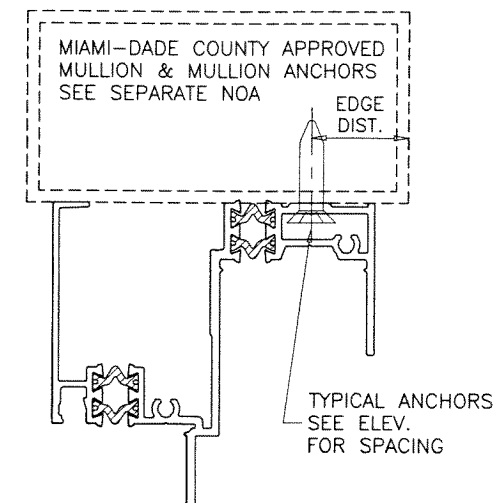
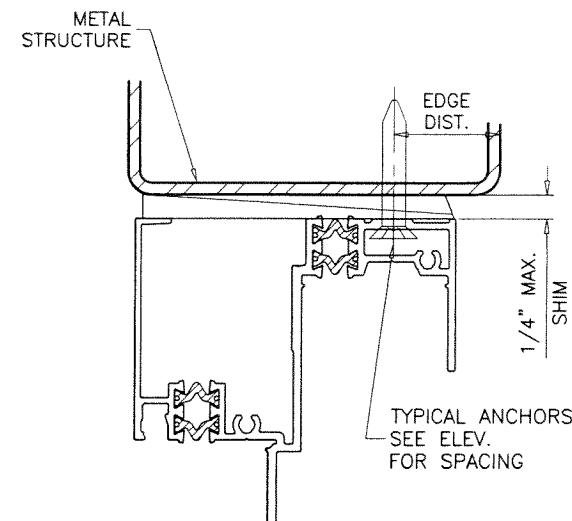
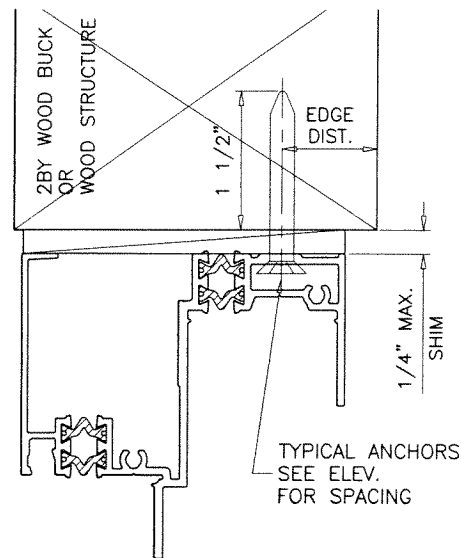
INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

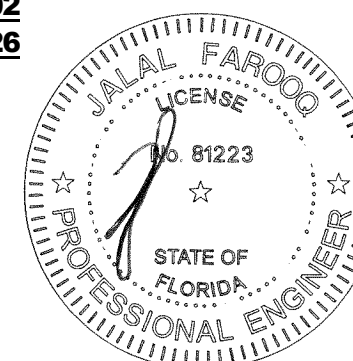
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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FLUSH FRAMES



APR 23 2024

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)

E.S. WINDOWS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

(C.A.N. 3538)

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COMP-ANL\W15-25-ES

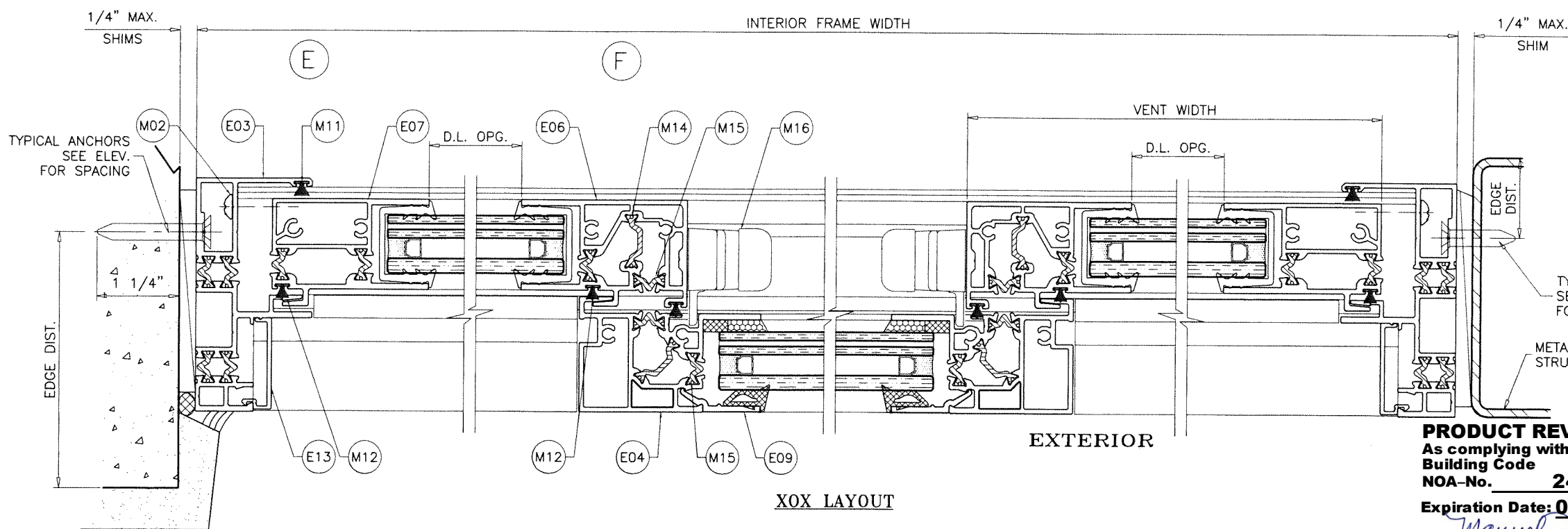
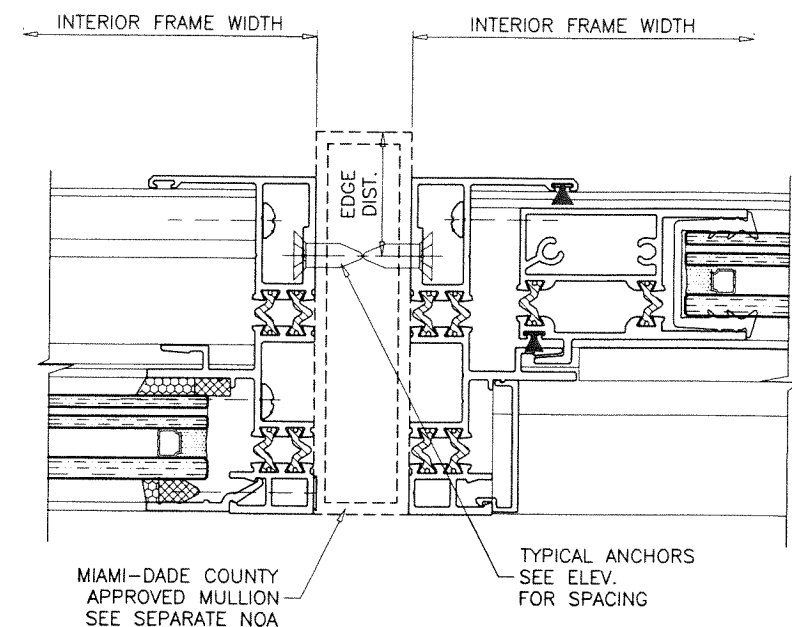
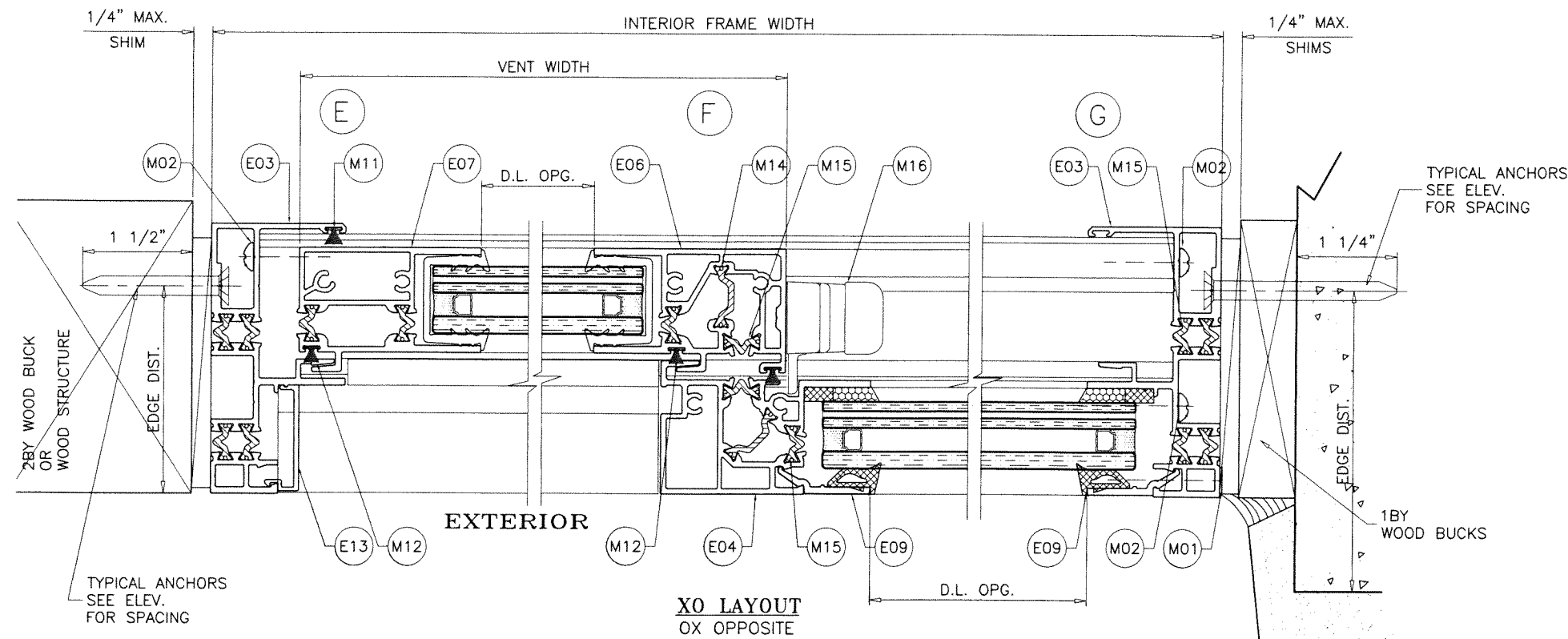
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dr. by:	TARIQ
chk. by:	

drawing no.

W15-25

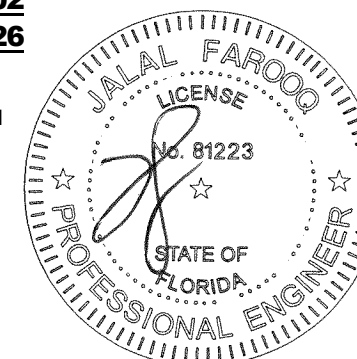
sheet 7 of 14



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FLUSH FRAMES



APR 23 2024

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MIAMI, FLORIDA 33173
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C.A.N. 3538/

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)
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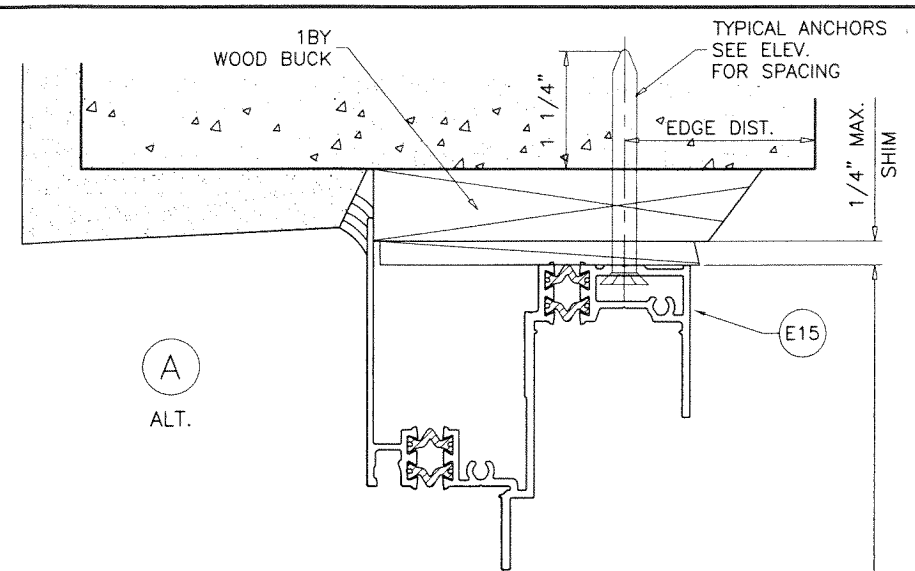
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sheet	8 of 14

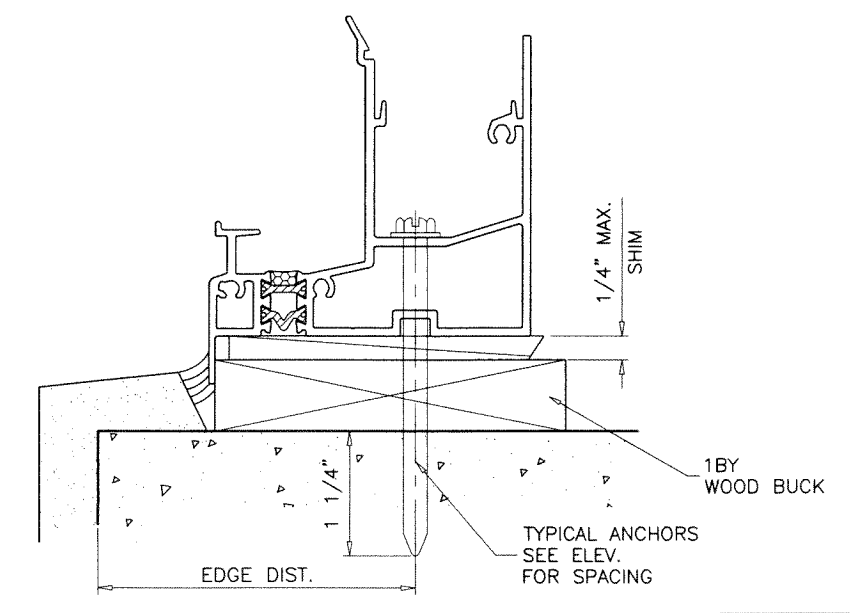
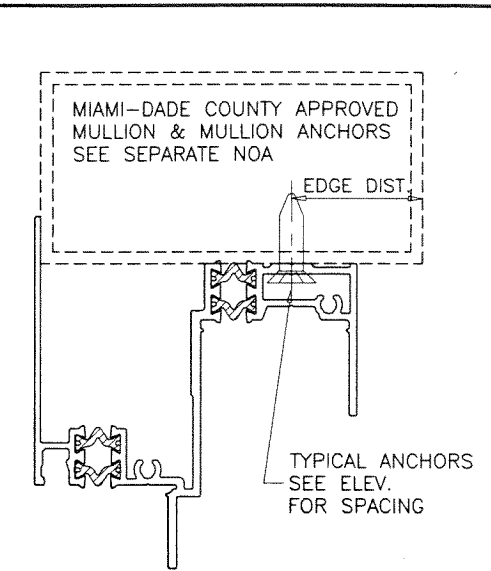
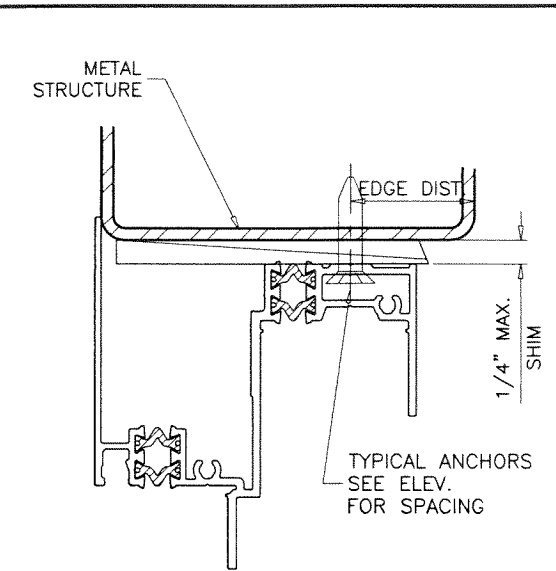
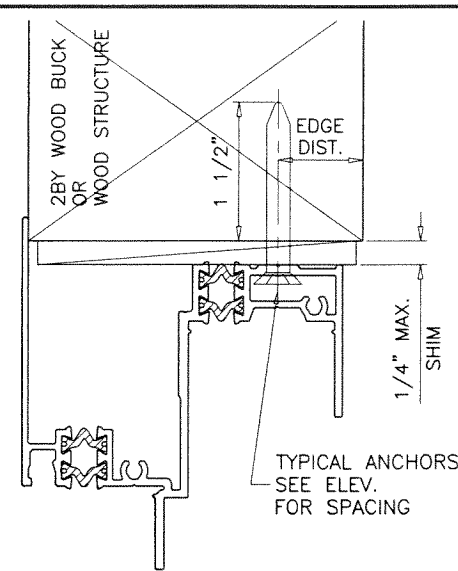
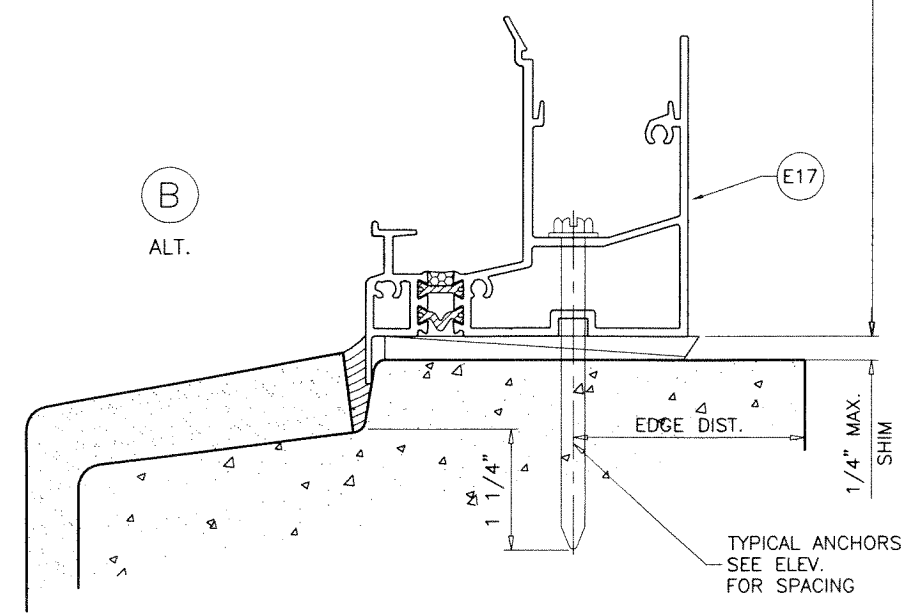
EXTERIOR

A
ALT.



INTERIOR FRAME HEIGHT

B
ALT.

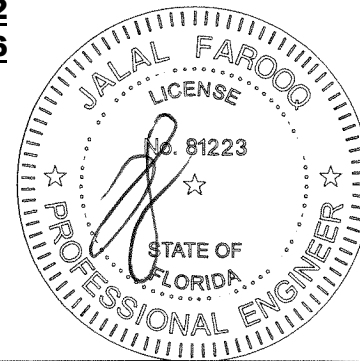


PRODUCT RENEWED
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Building Code
NOA-No. **26-0506.05**
Expiration Date: **08/25/2031**
By: *Manuel Perez*
Miami-Dade Product Control

INSTALLATION DETAILS FLANGE FRAMES
SEE SHEETS 6 THRU 8 FOR WINDOW DETAILS

PRODUCT REVISED
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FLANGE FRAMES



APR 23 2024

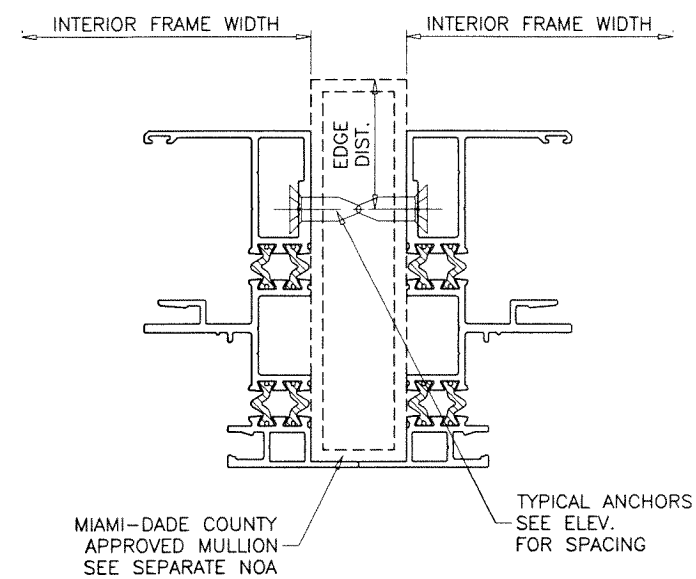
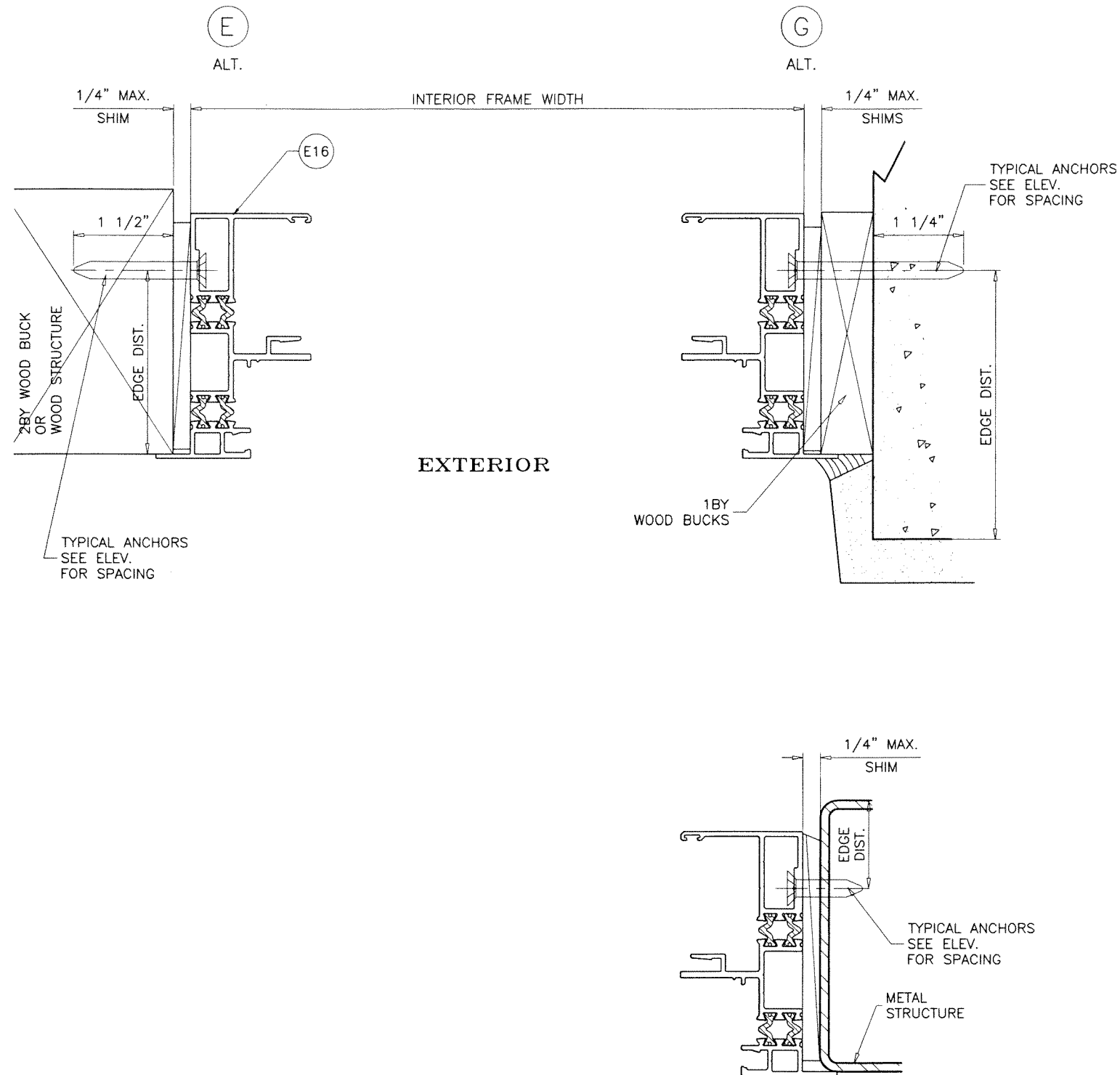
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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sheet 9 of 14

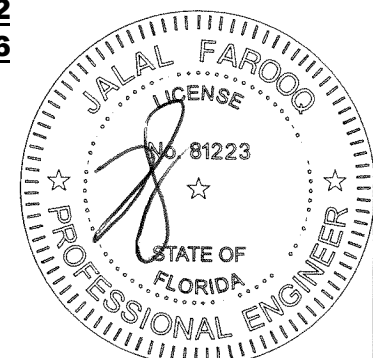


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INSTALLATION DETAILS FLANGE FRAMES SEE SHEETS 6 THRU 8 FOR WINDOW DETAILS

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FLANGE FRAMES



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COMP-ANL\W15-25-ES

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)

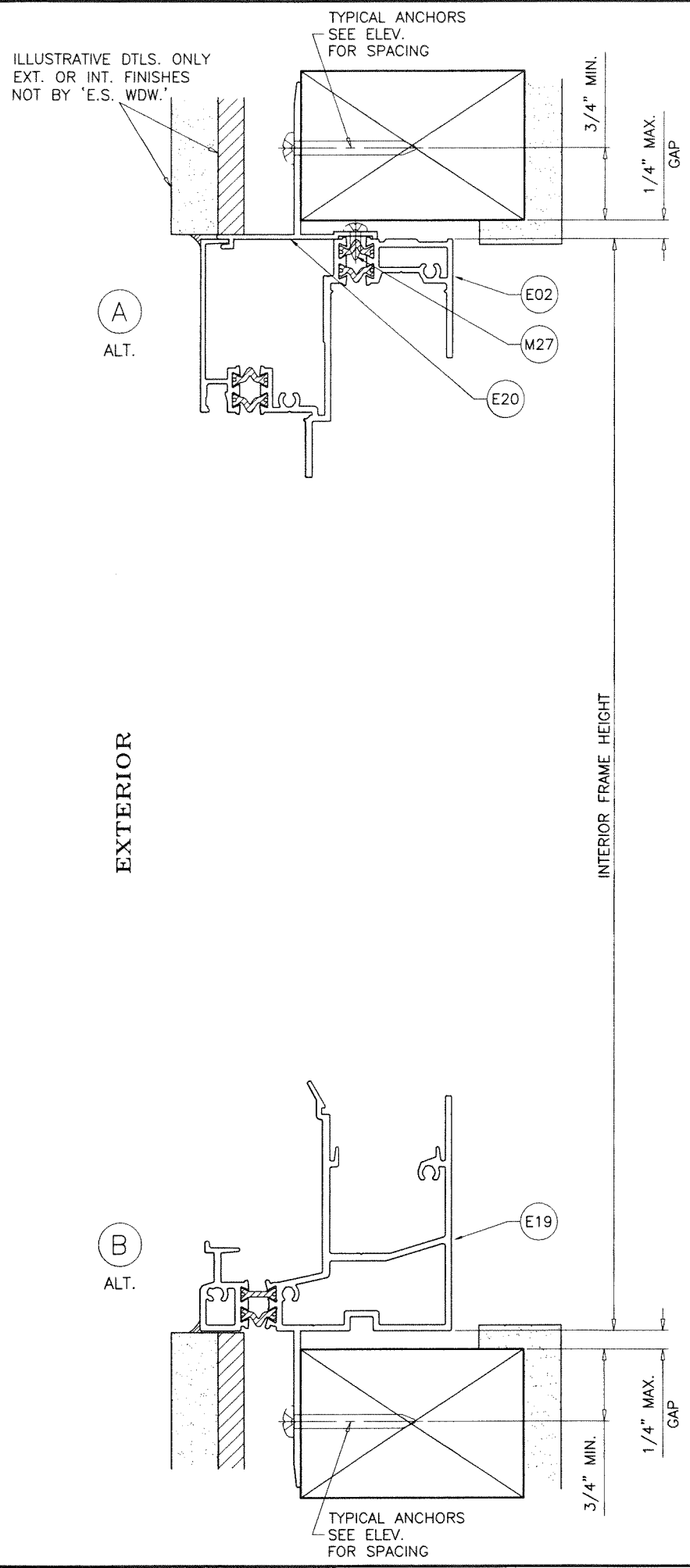
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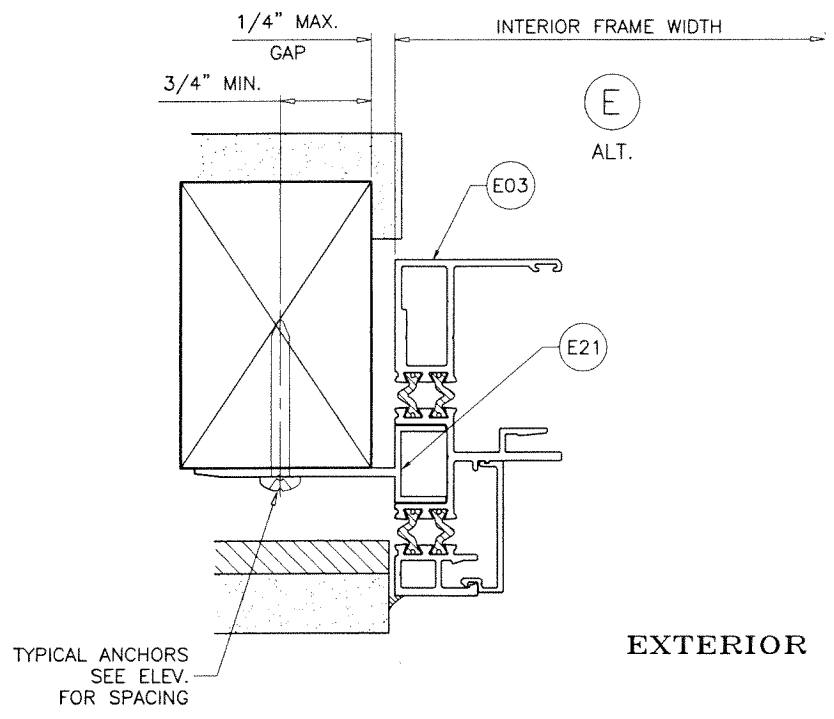


TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#12 WOOD SCREWS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD

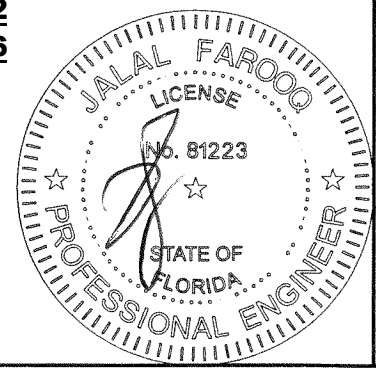


INSTALLATION DETAILS FLUSH FRAMES WITH NAIL FINES

SEE SHEETS 6 THRU 8 FOR WINDOW DETAILS

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COMP-ANL W15-25-ES

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FIN FRAMES

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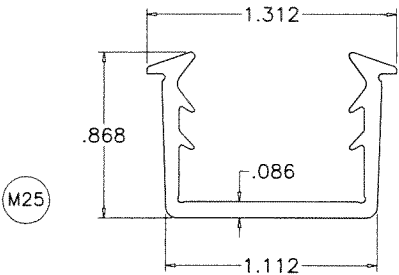
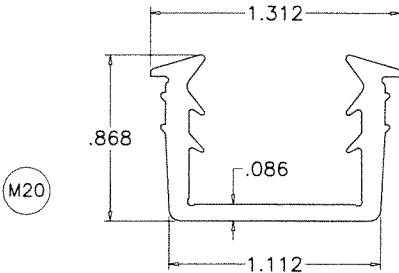
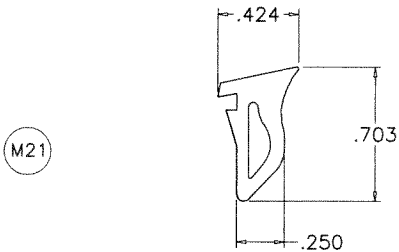
drawing no.
W15-25
 sheet 11 of 14

APR 23 2024

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E01	ES-SW340-501	1	FRAME SILL FLUSH	6063-T6	-
E02	ES-SW340-505	1	FRAME HEAD FLUSH	6063-T6	-
E03	ES-SW340-502	2	FRAME JAMB FLUSH	6063-T6	-
E04	ES-H340-507	AS REQD.	FIX. MEETING RAIL	6063-T6	-
E05	ES-SW340-503	-	FIXED BOTTOM	6063-T6	-
E06	ES-H340-508	-	VENT SIDE RAIL	6063-T6	-
E07	ES-SW340-504	2/ VENT	VERTICAL RAIL	6063-T6	-
E08	ES-H340-510	1/ VENT	VENT TOP RAIL	6063-T6	-
E09	ES-H340-003	4/ LITE	GLASS STOP	6063-T5	-
E10	ES-SW340-005	4/ LITE	HORIZONTAL FIXED GLASS STOP	6063-T6	-
E11	ES-SW340-006	1/ VENT	TRACK	6005-T5	-
E12	ES-SW340-007	-	COVER	6063-T5	-
E13	ES-H340-021	-	HORIZONTAL/VERTICAL TRIM	6063-T5	-
E14	ES-H340-007	-	TRIM FOR SCREEN	6063-T6	-
E15	ES-H340-506	1	FRAME HEAD FLANGE	6063-T6	-
E16	ES-SW340-506	2	FRAME JAMB FLANGE	6063-T6	-
E17	ES-SW340-505	1	FRAME SILL FLANGE	6063-T6	-
E18	ES-SW340-507	1/ VENT	VENT BOTTOM RAIL	6063-T6	-
E19	ES-SW340-509	1	FRAME SILL FIN	6063-T6	-
E20	ES-SW340-016	AS REQD.	NAIL FIN (HEAD)	6063-T6	-
E21	ES-SW340-015	AS REQD.	NAIL FIN (JAMB)	6063-T6	-
M01	#10 X 1-1/2" FH	AS REQD.	FRAME ASSEMBLY FASTENER	ST/ST	-
M02	#10 X 1" PH	-	FRAME AND FIX. PANEL FASTENERS	ST/ST	-
M03	#8 X 1/2" PH	-	FOR ROLLER, PLASTIC PROFILE AND GLASS STOP	ST/ST	SPACED AT 10" O.C.
M04	#8 X 3/4" FH SMS	-	SWEEP LOCK FASTENER	-	-
M05	ES-SW340-301	-	PLASTIC EXTRUSION	RIGID PVC	-
M08	V2200	AS REQD.	GLAZING TAPE (3/16" X 3/8")	FOAM	-
M10	ES-21-B04A	2 LITE	SETTING BLOCKS	SILICONE	DUROMETER 80±5 SHORE A
M11	W23212NK	AS REQD.	WEATHERSTRIP	-	ULTRAFAB
M12	W23202NK	AS REQD.	WEATHERSTRIP	-	ULTRAFAB
M13	1142	AS REQD.	INSULBAR 12 MM FLAT	POLYAMIDE	ENSINGER
M14	2479	AS REQD.	INSULBAR 20 MM OFFSET	POLYAMIDE	ENSINGER
M15	2531	AS REQD.	INSULBAR 12 MM OFFSET	POLYAMIDE	ENSINGER
M16	3032	1/ VENT	SWEEP LOCK	DIE CAST ALUM	AT 13" FROM EACH END
M17	ES1050-PL1	-	FLAT BOLT	ST/ST	-
M18	RU-340-IR	2/ VENT	TANDEM ROLLER	ST/ST	AT 5" FROM EACH END
M19	ES-SW340-G05	AS REQD.	EXTERIOR GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M20	ES-H340-G01	-	GLAZING GASKET	SILICONE	DUROMETER 70±5 SHORE A
M21	PS-1127E	-	GLAZING GASKET	SILICONE	DUROMETER 70±5 SHORE A
M22	ES-SD450-F01	AS REQD.	RETICULATED FOAM (5/8" X 5/8" X 2")	FOAM	-
M24	-	-	GLAZING TAPE (3/16" X 3/16")	FOAM	-
M25	ES-H340-G03	-	GLAZING GASKET	SILICONE	DUROMETER 70±5 SHORE A
M27	#8 X 3/8"	AS REQD.	NAIL FIN FASTENERS AT 3" FROM ENDS & 12" O.C.	ST. STEEL	PH SMS

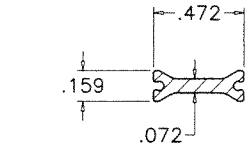
SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL
SEALED WITH 'ACCURA' ARCYLIC LATEX SEALANT BY
'M-D BUILDING PRODUCTS'.

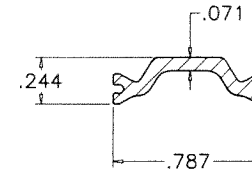


GLAZING GASKETS
SCALE 1:1

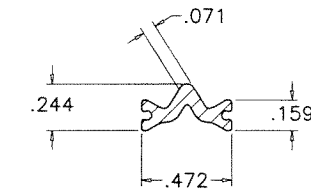
MATERIAL = SILICONE
HARDNESS = 70±5
TENSILE STRENGTH = 1075 PSI
ELONGATION AT BREAK = 167%
TEAR STRENGTH = 121 Lb/in
BRITTLENESS TEMPERATURE = -40° F
COMPRESSION SET = 11% (22h @ 212°F)



M13 12MM FLAT



M14 20MM OFFSET



M15 12MM OFFSET

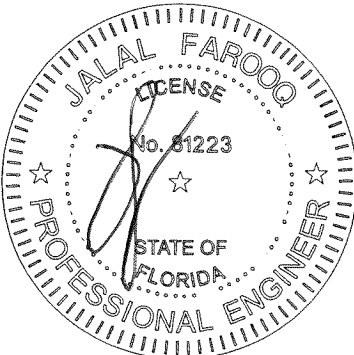
TECATHERM® 66 GF INSULBARS
SCALE 1:1

MATERIAL = POLYAMIDE
TENSILE STRENGTH = 13031 PSI
RATE OF BURN = .752 IN./MIN.
SELF IGNITION TEMP. = 793° F
FLASH IGNITION TEMP. = 781°C
SMOKE DENSITY = 1.63

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0506.05**
Expiration Date: **08/25/2031**
By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **24-0425.02**
Expiration Date: **08/25/2026**
By: *Manuel Perez*
Miami-Dade Product Control

APR 23 2024



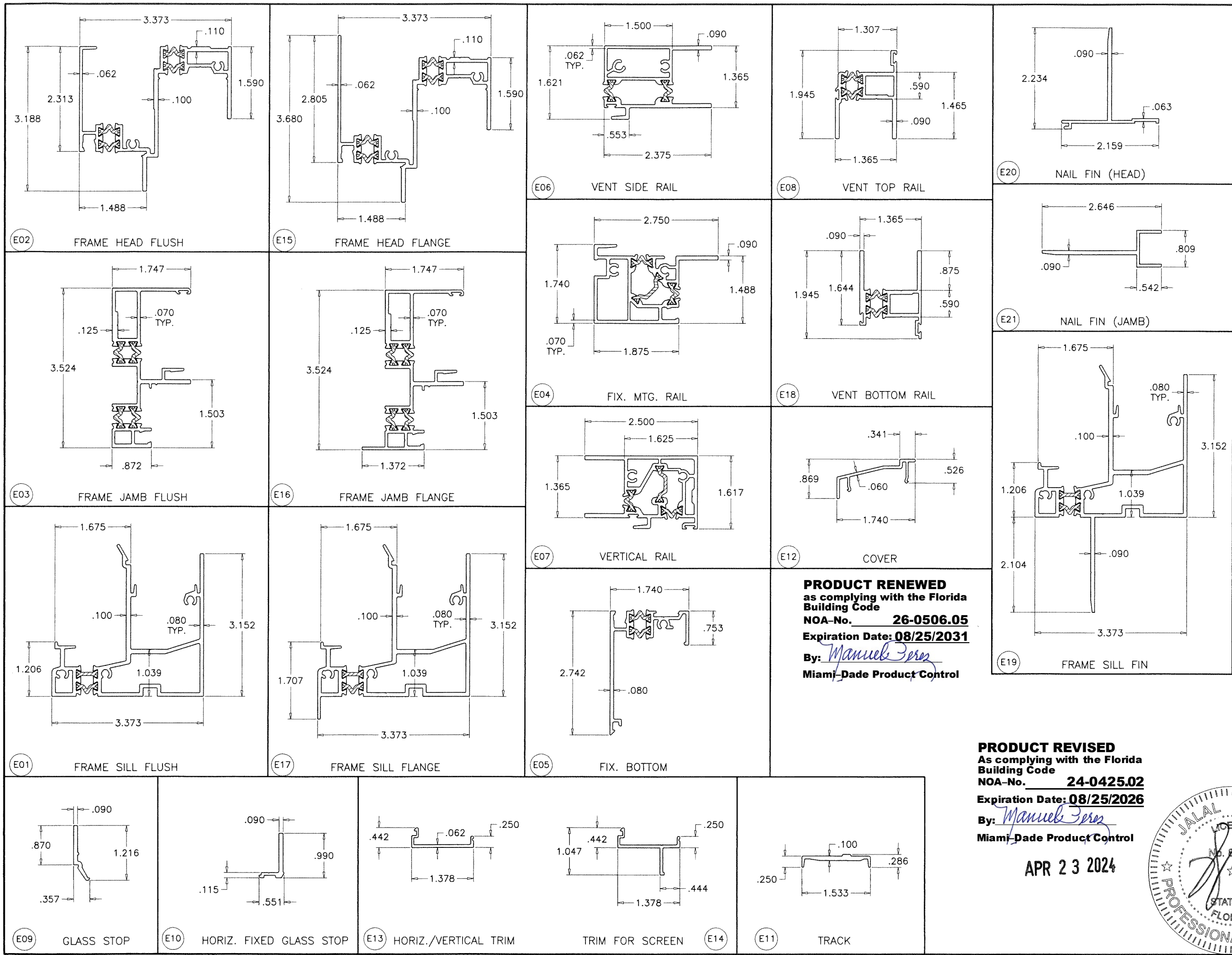
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-25-ES

ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no.	date	by	description
A	06.08.16	REV. PER	COMMENTS
B	02.07.18	NO CHANGE	THIS SHEET
C	11.05.20	UPDATED TO	2020 FBC
D	03.04.24	GENERAL REVISION	

date: 06-19-15
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

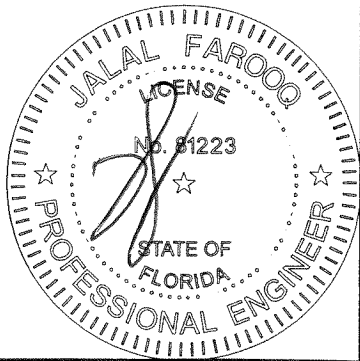
drawing no.
W15-25
sheet 12 of 14



PRODUCT RENEWED
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 (C.A.N. 3538)

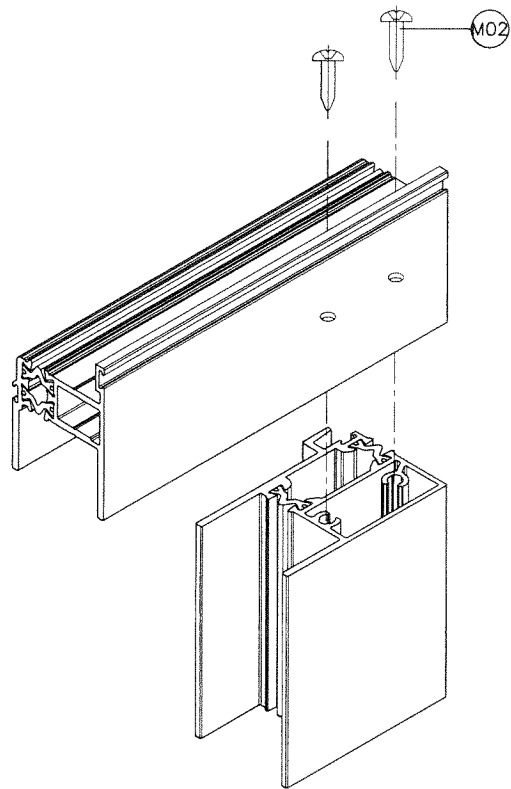
ES-SW340 THERMAL ALUMINUM SLIDING WDW. (L.M.I.)
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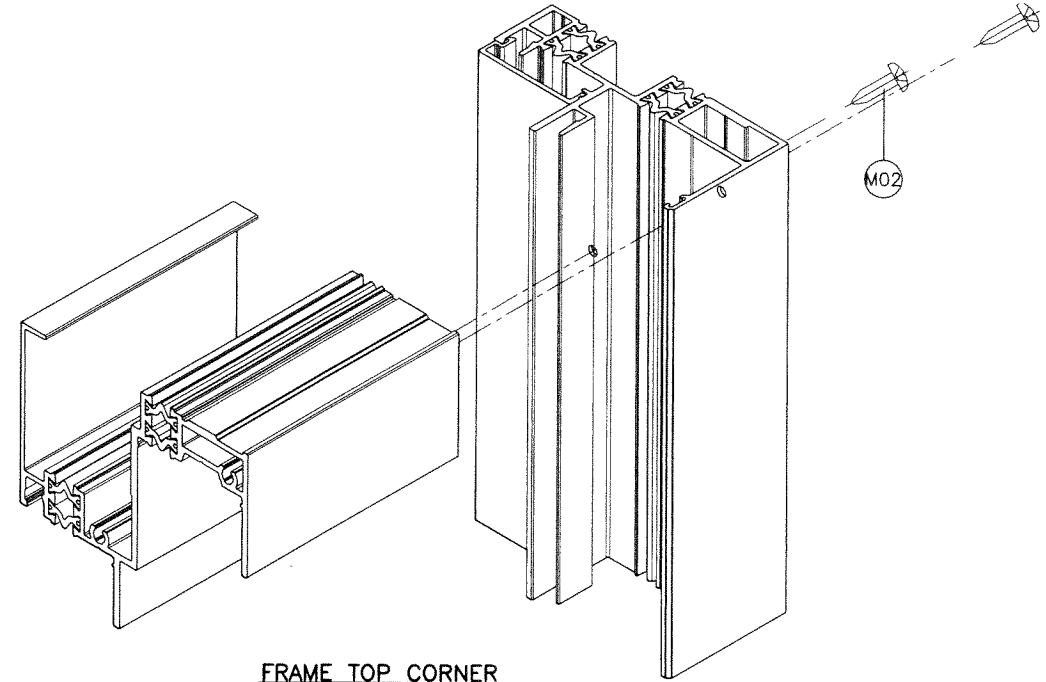
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 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W15-25
 sheet 13 of 14

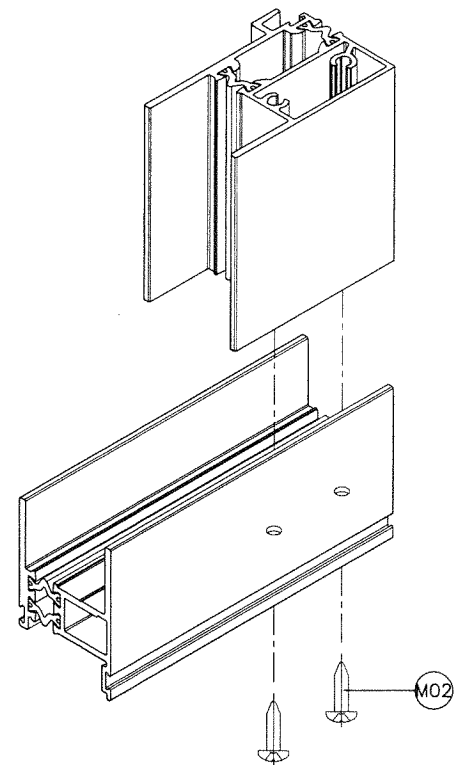
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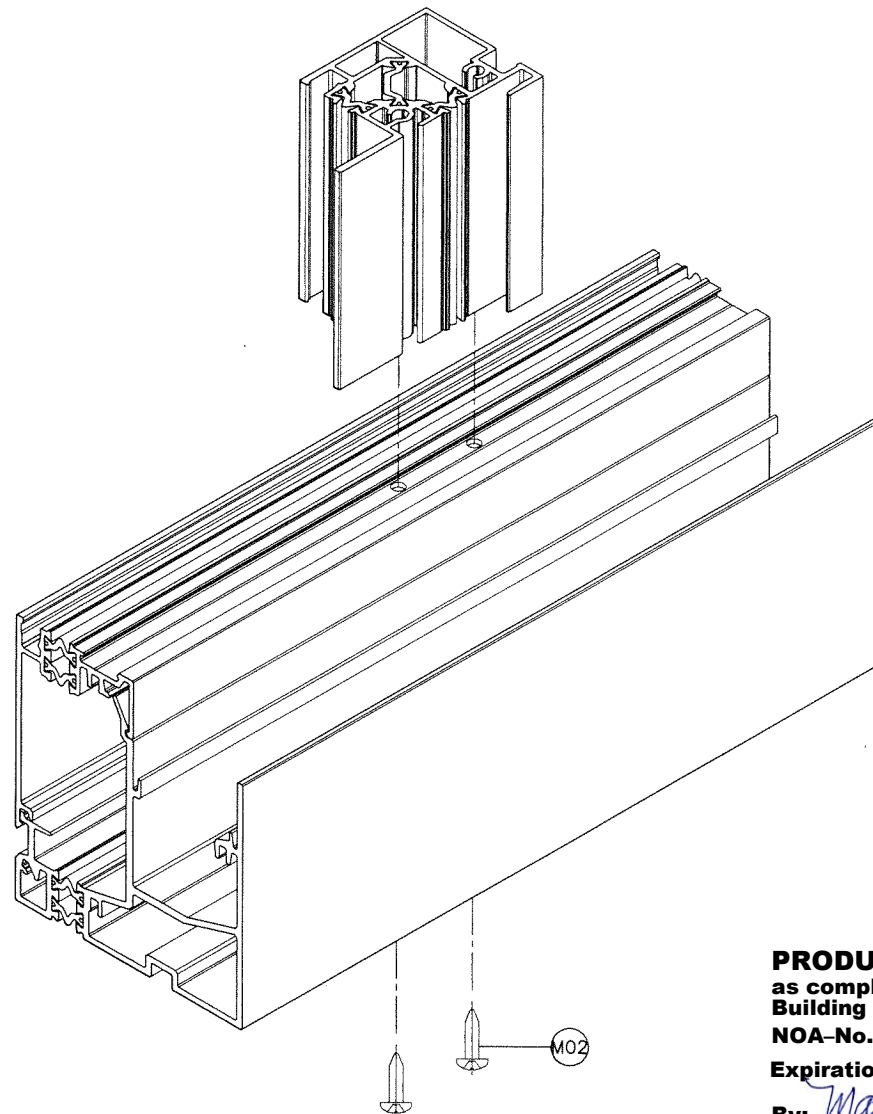
VENT TOP CORNERS



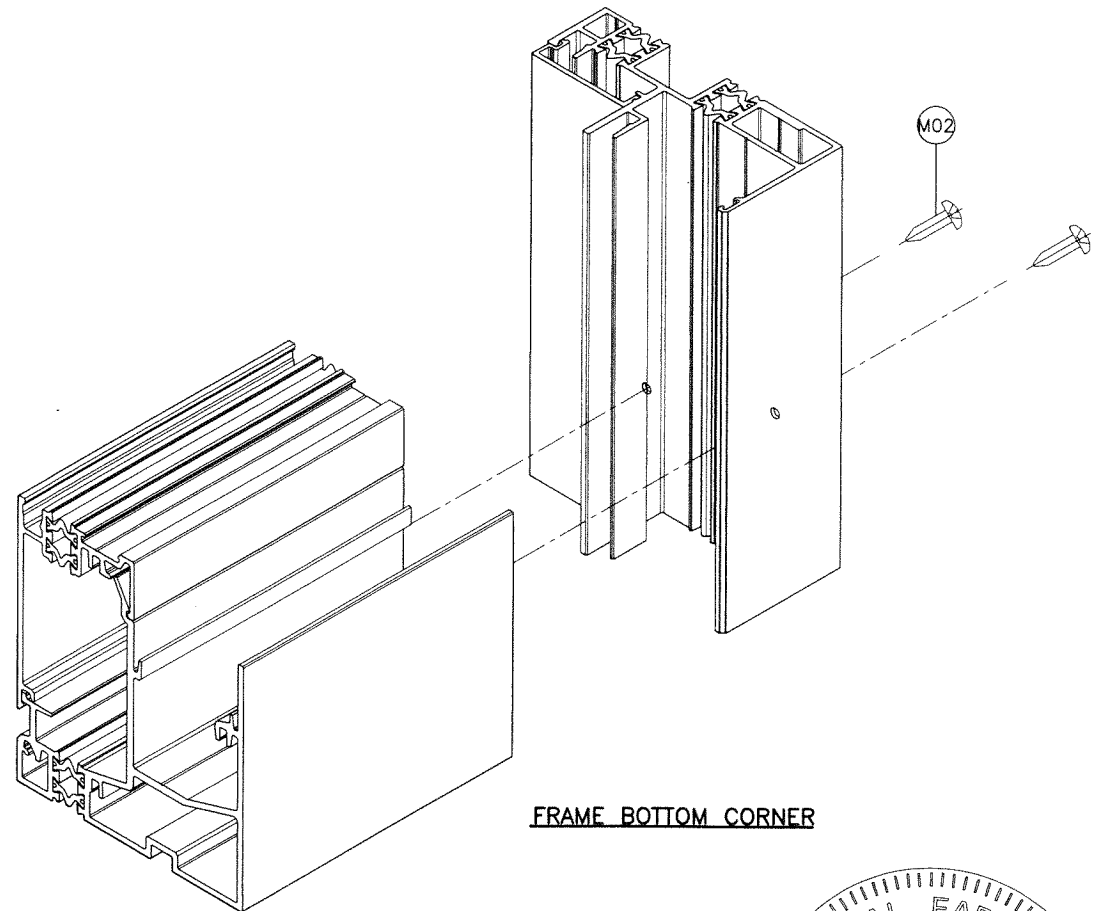
FRAME TOP CORNER



VENT BOTTOM CORNERS



FIXED MTG. RAIL CORNER

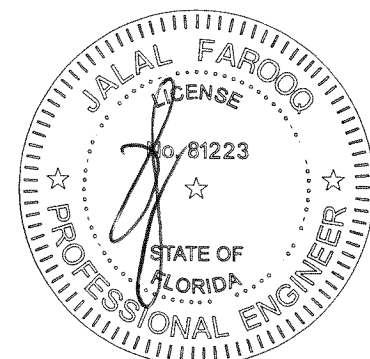


FRAME BOTTOM CORNER

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APR 23 2024



af c
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