

**NOTICE OF ACCEPTANCE (NOA)**[www.miamidade.gov/economy](http://www.miamidade.gov/economy)**ES Windows, LLC**  
**3550 NW 49<sup>th</sup> 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 "EL400-10" Aluminum Sliding Glass Door - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **20-12D Rev E**, titled "ES-EL400-10" Alum. Sliding Glass Door (L.M.I.)", sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20 and last revised on JUL 24, 2026, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant****Limitations:**

1. See Elevations in sheets **1, 2, 3, 4** and anchors requirements. See Header anchor capacity charts in sheet **6** and Glass capacity VS size in sheet **5**. Overall Lower Design Pressure (DP) controls for entire assembly.
2. See sheets **7** thru **13** for various configurations, tracks, pockets, non-pockets and allowable frame area.
3. See Water Rating qualified Sill Riser and alternate Sill Riser in sheet **22**.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Columbia, S.A.**, series, and the 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 # **23-0714.12** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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

*Ishaq I. Chanda*

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

1. Evidence submitted under previous approval.
- A. **DRAWINGS**
  1. Manufacturer's die drawings and sections.
  2. Drawing No. **W16-73**, titled "ES-EL400 Alum. Sliding Glass Door (L.M.I.)", sheets 1 through 23 of 23, dated 11/28/16, with revision A dated 07/12/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- B. **TESTS**
  1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC, and TAS 202-94  
6) Large Missile Impact Test per FBC, TAS 201-94  
7) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-17-009**, dated 06/15/17, signed and sealed by Constantin Bortes, P.E. with Letter of Clarification issued on 07/13/17, signed and sealed by Constantin Bortes, P.E.
- 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)**, dated 06/20/17 and revised on 07/13/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
  2. Glazing complies with **ASTM E1300-09**.
  3. Analysis recommendation letter prepared by Al-Farooq Corporation dated AUG 03, 2020 for #10 screw boss for Extrusion parts # ES-EL-400-.001, -.002 and -.005, signed and sealed by Jalal Farooq, 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.
  2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Sentry Glass® (Clear and White) Glass Interlayer**", expiring on 07/04/18.
  3. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Co. (MA)** for their "**Saflex Clear and Color Glass Interlayers**", expiring on 05/21/21.
  4. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Co. (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**", expiring on 11/11/18.

*Ishaq I. Chanda*

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Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 26-0729.13  
Expiration Date: July 20, 2027  
Approval Date: August 27, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)** and **FBC-6<sup>th</sup> Edition (2017)** and No financial interest, dated 07/12/17, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Distributor Agreement signed by Carlos Garcia and by Evelyn Daes.
3. Laboratory compliance statement for Test Report No. **BT-ESW-17-009**, issued by Blackwater Testing, Inc., dated 06/15/17, signed and sealed by Dennis Duffy, CEO.
4. Proposal No. **16-1478** issued by the Product Control Section, dated 11/17/16, signed by Ishaq Chanda, P.E.

2. Evidence submitted under previous approval.

**A. DRAWINGS**

1. Drawing No. **20-12D Rev A** (former **W16-73 Rev A**), titled “ES-EL400 Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20, signed and sealed by Jalal 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) Forced Entry Test, per FBC, and TAS 202-94  
6) Large Missile Impact Test per FBC, TAS 201-94  
7) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
8) ANSI-Z97.1

along with marked-up drawings and installation diagram of aluminum sliding glass doors, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-19007**, dated 12/09/19, signed and sealed by Constantin Bortes, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis dated 09/11/20, complying with **FBC-7<sup>th</sup> Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09** and **-016**.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **“SentryGlas® (Clear and White) Glass Interlayers”**, expiring on 07/04/23.
3. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Co. (MA)** for their **“Saflex Clear and Color Glass Interlayers”**, expiring on 05/21/21.
4. Notice of Acceptance No. **18-0301.06** issued to **Eastman Chemical Co. (MA)** for their **“Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core”**, expiring on 11/11/23.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-7<sup>th</sup> Edition (2020)** and No financial interest, dated 09/11/20, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Test Lab Compliance statement, as part of test report.

**G. OTHER**

1. This NOA **revises** NOA # **16-0617.02** and updates to FBC 2020 (7<sup>th</sup> Edition) expiring 07/20/22.
2. Distribution agreement between Energia Solar, S.A.-ES Windows and ES Windows, LLC, dtd 08/03/15, signed by Ms. Carla Garcia (MGR) and Andres Chamorro (Gen. MGR) respectively (original copy in various ES approved NOA(s) files.
3. RER Test proposals #**19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

**ES Windows, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

4. Evidence submitted under previous approval.

**A. DRAWINGS**

1. Drawing No. **20-12D Rev C**, titled “ES-EL400-10” Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20 and last revised on AUG 16, 2021, signed and sealed by Jalal Farooq, P.E.

**B. TESTS**

1. **None.**

**C. CALCULATIONS**

1. Comparative structural section properties sill riser analysis, dated 07/07/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09** and **-016**.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “Saflex: Saflex Clear & Color glass interlayer”, expiring on 05/21/26.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-7<sup>th</sup> Edition (2020)** and No financial interest, dated 07/07/21, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Test Lab Compliance statement, as part of test report.

**G. OTHER**

1. This NOA **revises NOA No. 20-0427.11** and updates to FBC 2020 (7<sup>th</sup> Edition) expiring 07/20/22.
2. Distribution agreement between Energia Solar, S.A.-ES Windows and ES Windows, LLC, dtd 08/03/15, signed by Ms. Carla Garcia (MGR) and Andres Chamorro (Gen. MGR) respectively (original copy in various ES approved NOA(s) files.
3. Comparative Sectional properties analysis of sill Risers.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

**ES Windows, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

5. Evidence submitted under previous approval.

**A. DRAWINGS**

1. Drawing No. **20-12D Rev C**, titled “ES-EL400-10” Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20 and last revised on AUG 16, 2021, signed and sealed by Jalal Farooq, P.E.

**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. **21-0216.01** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “Saflex: Saflex Clear & Color glass interlayer”, expiring on 05/21/26.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-7<sup>th</sup> Edition (2020)** and No financial interest, dated 01/12/22, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHER**

1. This NOA **renews NOA No. 21-0728.05**, expiring 07/20/27.
2. Distribution agreement between Energia Solar, S.A.-ES Windows and ES Windows, LLC, dtd 08/03/15, signed by Ms. Carla Garcia (MGR) and Andres Chamorro (Gen. MGR) respectively (original copy in various ES approved NOA(s) files.
3. Comparative Sectional properties analysis of sill Risers (under previous approval)

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

6. Evidence submitted under previous approval.

**A. DRAWINGS**

1. Drawing No. **20-12D Rev D**, titled “ES-EL400-10” Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20 and last revised on JUL 07, 2023, signed and sealed by Jalal Farooq, P.E.

**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. **22-1130.05** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “Saflex Storm: Saflex & Saflex HP composite glass interlayer w/PETcore”, expiring on 12/11/28.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated 07/11/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Statement letter of conformance, complying with **FBC-7th Edition (2020)** and No financial interest, dated 01/12/22, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHER**

1. This NOA **revises NOA No. 21-0118.05**, expiring 07/20/27.
2. Distribution agreement between Energia Solar, S.A.-ES Windows and ES Windows, LLC, dtd 08/03/15, signed by Ms. Carla Garcia (MGR) and Andres Chamorro (Gen. MGR) respectively (original copy in various ES approved NOA(s) files.
3. Comparative Sectional properties analysis of sill Risers (under previous approval).
4. Saflex Storm PET Interlayer updated with current NOA designation.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**7. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **20-12D Rev E**, titled “ES-EL400-10” Alum. Sliding Glass Door (L.M.I.)”, sheets 1 through 23 of 23, prepared by Al-Farooq Corporation dated 09/11/20 and last revised on JUL 24, 2026, signed and sealed by Jalal Farooq, P.E.

**B. TESTS (submitted under previous approval)**

1. None

**C. CALCULATIONS (submitted under previous approval)**

1. None

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “Saflex Storm: Saflex & Saflex HP composite glass interlayer w/PETcore”, expiring on 12/11/28.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 9<sup>th</sup> Edition (2026) and FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated July 24, 2026, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHERS**

1. *This NOA revises NOA No. 23-0714.12, updates to FBC 2026, expiring on 07/20/27.*

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 26-0729.13**  
**Expiration Date: July 20, 2027**  
**Approval Date: August 27, 2026**

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.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By Ishag I. Chande  
Miami-Dade Product Control

DAYLITE OPENING WIDTH:  
PANEL WIDTH - 5.688"  
  
DAYLITE OPENING HEIGHT:  
PANEL HEIGHT - 5.813"  
  
PANEL HEIGHT = DOOR FRAME HEIGHT - 1.250"

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

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.  
SAFEGUARD REQUIREMENTS TO BE VERIFIED.

**SERIES ES-EL400-10**  
**ALUMINUM SLIDING GLASS DOOR**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH 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.

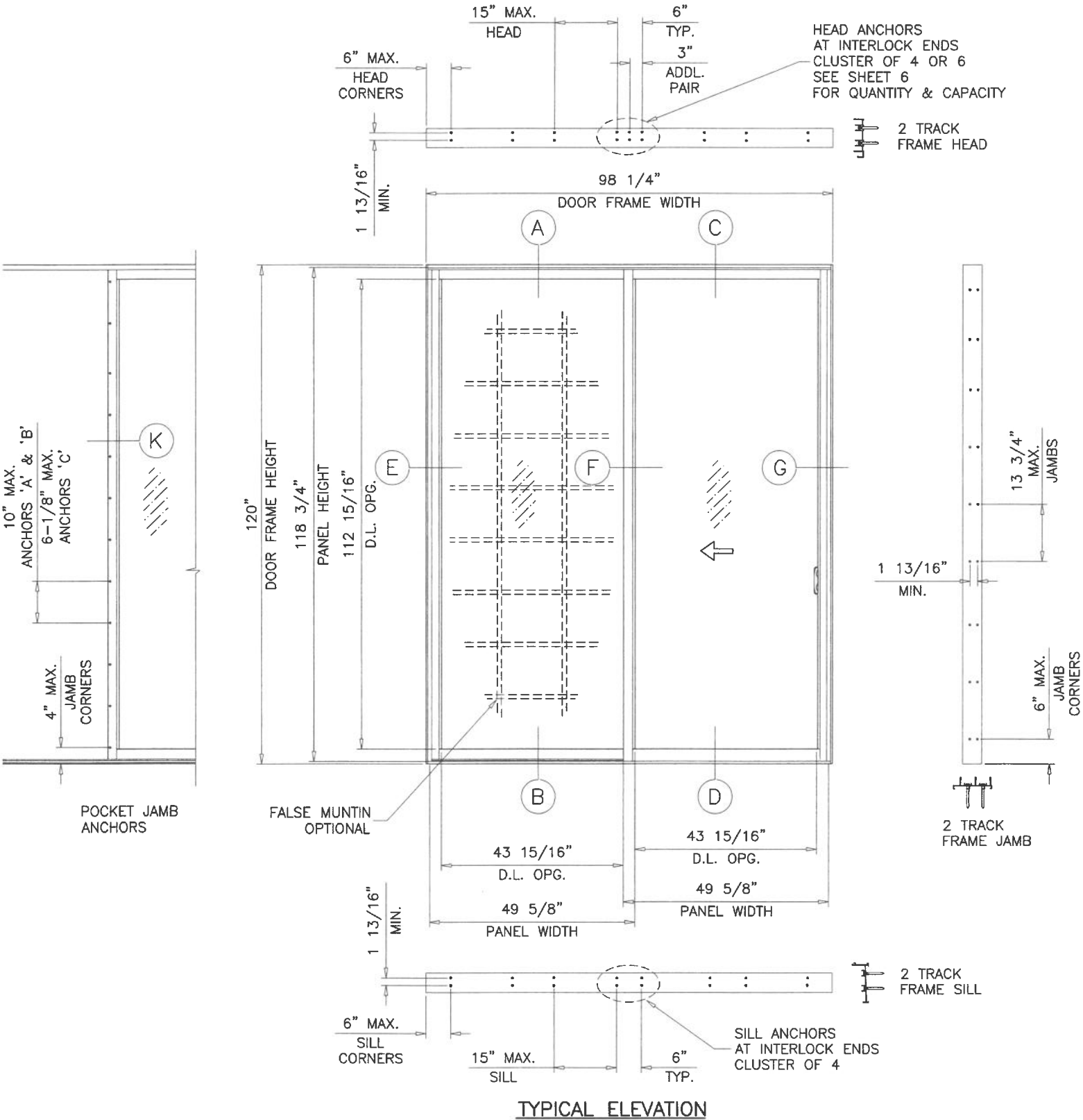
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 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)'.

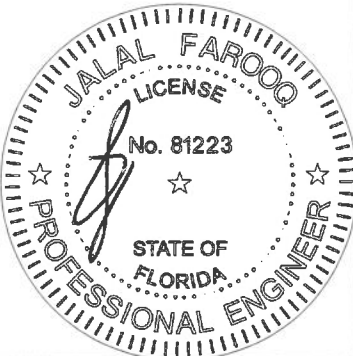


**INSTRUCTIONS:**

USE CHARTS AS FOLLOWS

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 5 FOR THE REINFORCING OPTION USED.
- STEP 3** USING CHARTS ON SHEET 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

JUL 24 2026



ES-EL400-10 ALUM SLIDING GLASS DOOR (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     | description              |
|----|----------|--------------------------|
| A  | 09.02.20 | REV. PER RER COMMENTS    |
| B  | 06.23.21 | SILL RISER REVISED       |
| C  | 08.04.21 | SILL RISER OPTIONS ADDED |
| D  | 07.06.23 | UPDATED TO 2023 FBC      |
| E  | 07.20.26 | UPDATED TO 2026 FBC      |

date: 02-14-20  
scale: 3/8"=1'-0"  
dr. by: TARIQ  
chk. by:

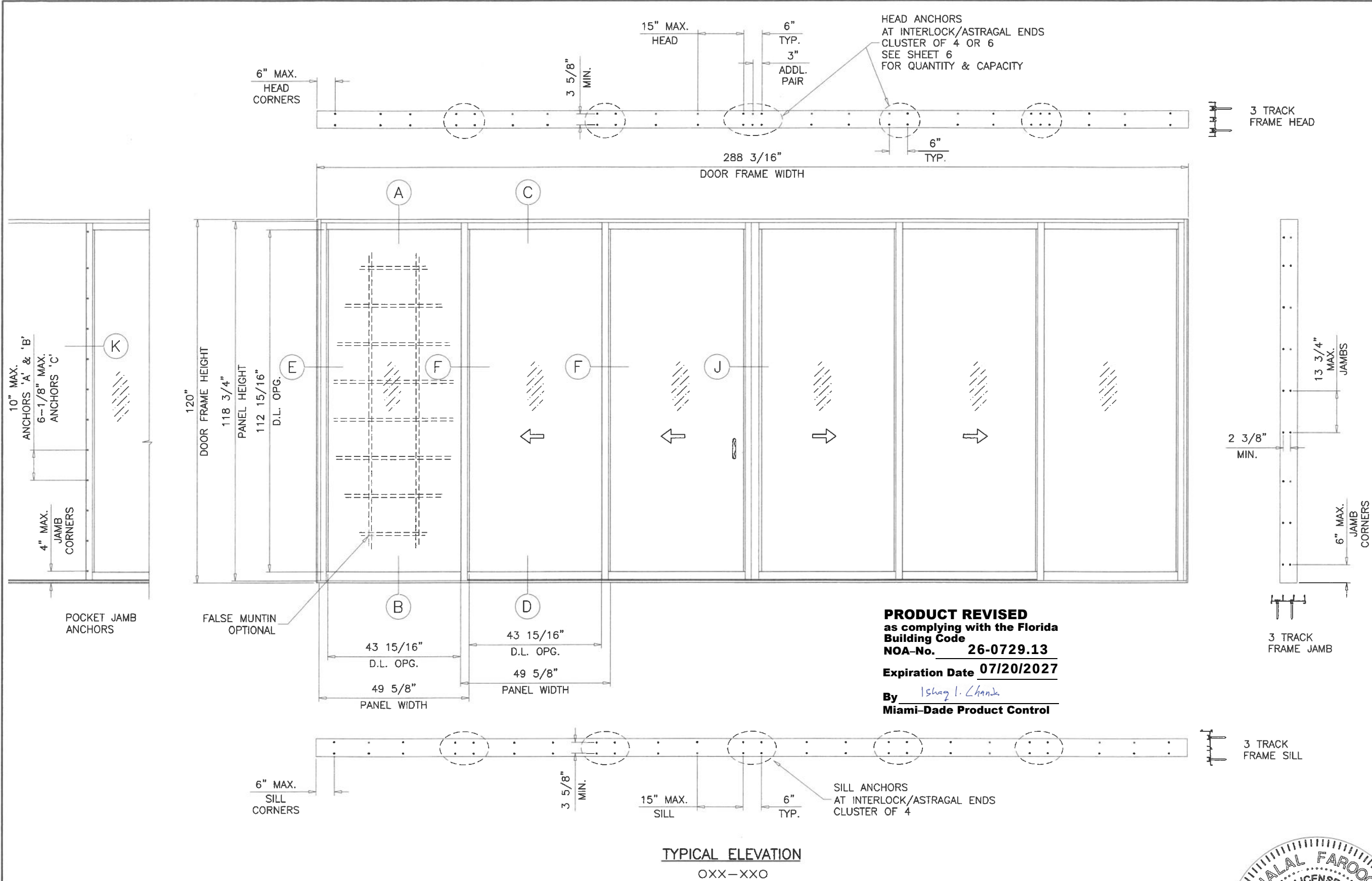
drawing no.  
**20-12D**  
sheet 1 of 23

**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\20-12D-ES

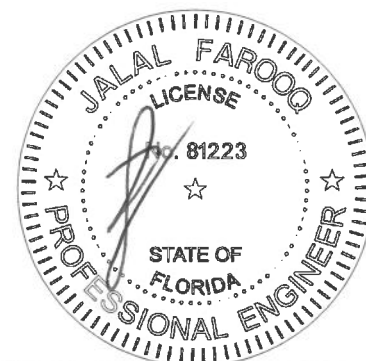
drawing no.  
20-12D

sheet 2 of 23



TYPICAL ELEVATION  
OXX-XXO

JUL 24 2026



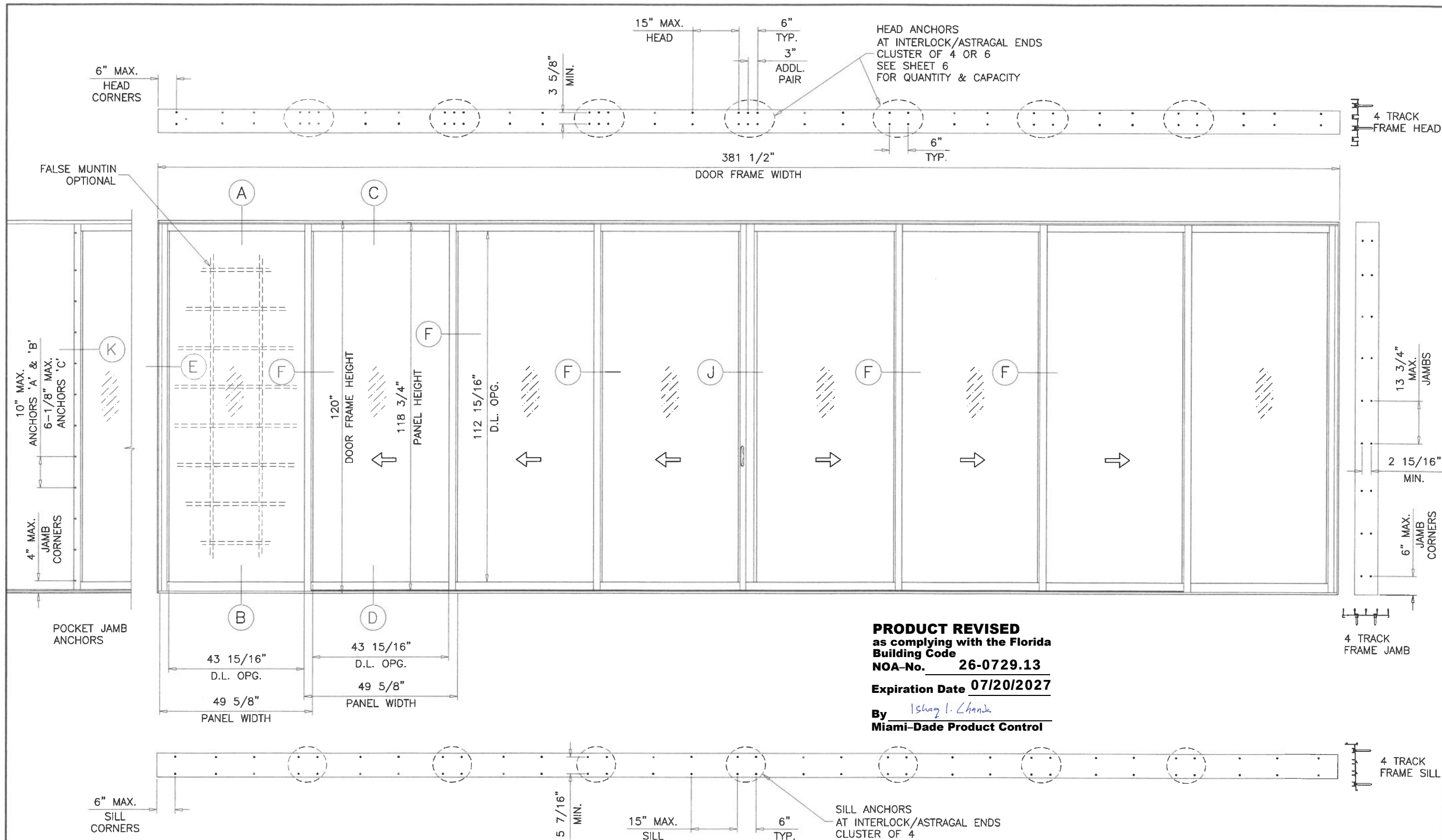
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\20-12D-ES

ES-EL400-10 ALUM SLIDING GLASS DOOR (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   | 09.02.20 |    | NO CHANGE THIS SHEET |
|            | B   | 06.23.21 |    | NO CHANGE THIS SHEET |
|            | C   | 08.04.21 |    | NO CHANGE THIS SHEET |
|            | D   | 07.06.23 |    | NO CHANGE THIS SHEET |
|            | E   | 07.20.26 |    | NO CHANGE THIS SHEET |

|                    |                   |               |          |
|--------------------|-------------------|---------------|----------|
| date: 02-14-20     | scale: 3/8"=1'-0" | dr. by: TARIQ | chk. by: |
| drawing no. 20-12D |                   | sheet 3 of 23 |          |



TYPICAL ELEVATION  
OXXX-XXXO

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By *Ishtaq I. Chaudhry*  
Miami-Dade Product Control

JUL 24 2026



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

COMP-ANL\20-12D-ES

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ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

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

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| no | date     | description          | by |
|----|----------|----------------------|----|
| A  | 09.02.20 | NO CHANGE THIS SHEET |    |
| B  | 06.23.21 | NO CHANGE THIS SHEET |    |
| C  | 08.04.21 | NO CHANGE THIS SHEET |    |
| D  | 07.06.23 | NO CHANGE THIS SHEET |    |
| E  | 07.20.26 | NO CHANGE THIS SHEET |    |

---

date: 02-14-20  
scale: 3/8"=1'-0"  
dr. by: TARIQ  
chk. by:

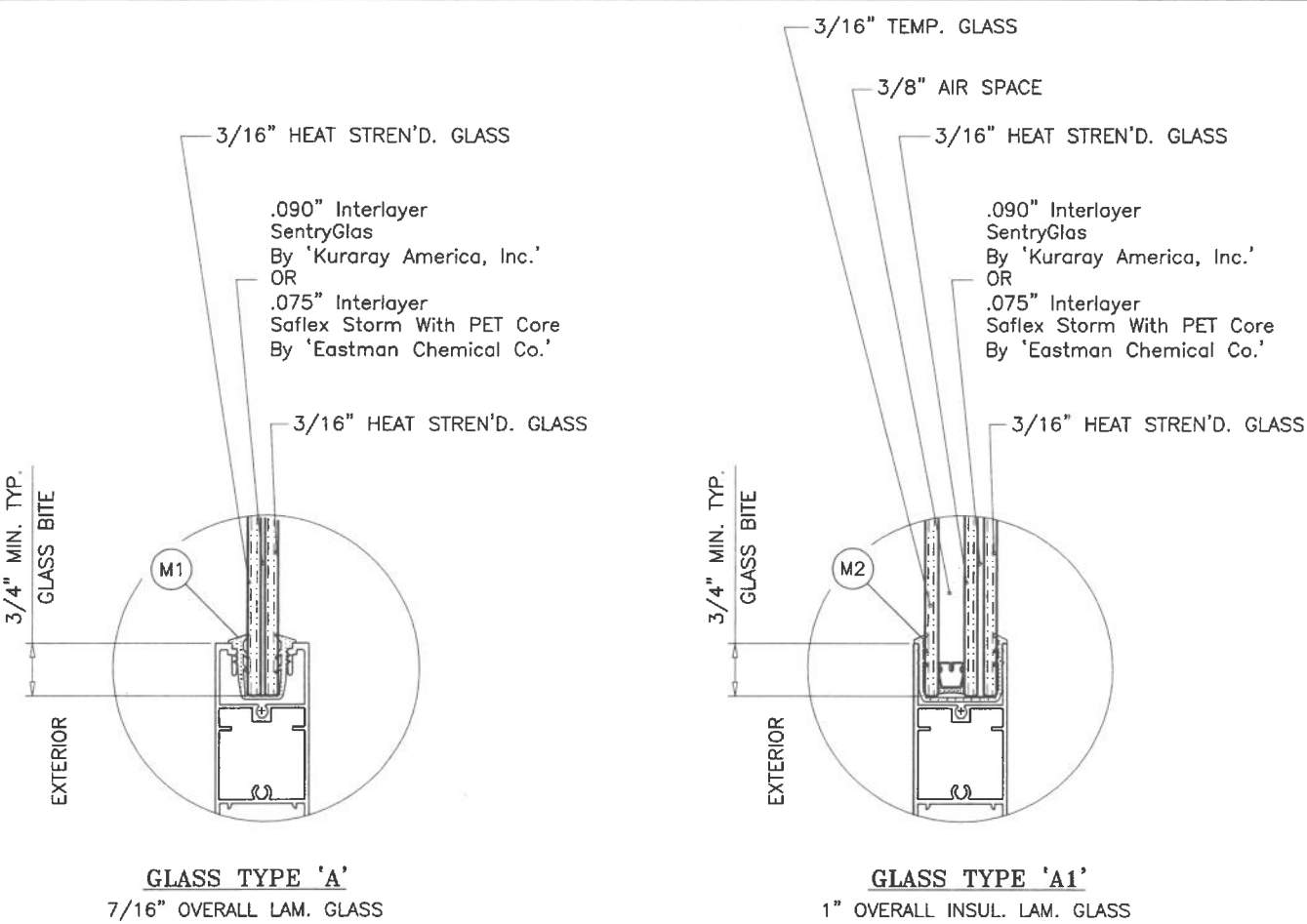
drawing no.  
**20-12D**  
sheet **4** of **23**

| DESIGN LOAD CAPACITY - PSF       |                                |                           |         |
|----------------------------------|--------------------------------|---------------------------|---------|
| AVERAGE<br>PANEL WIDTH<br>INCHES | DOOR FRAME<br>HEIGHT<br>INCHES | GLASS TYPES<br>'A' & 'A1' |         |
|                                  |                                | EXT.(+)                   | INT.(-) |
| 30                               | 82                             | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 60                               |                                | 65.0                      | 65.0    |
| 30                               | 84                             | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 60                               |                                | 65.0                      | 65.0    |
| 30                               | 90                             | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 60                               |                                | 65.0                      | 65.0    |
| 30                               | 96                             | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 60                               |                                | 65.0                      | 65.0    |
| 30                               | 102                            | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 57.8                      | 57.8    |
| 30                               | 108                            | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 30                               | 114                            | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |
| 30                               | 120                            | 65.0                      | 65.0    |
| 36                               |                                | 65.0                      | 65.0    |
| 42                               |                                | 65.0                      | 65.0    |
| 48                               |                                | 65.0                      | 65.0    |
| 54                               |                                | 65.0                      | 65.0    |

AVERAGE PANEL WIDTH =  $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY  
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

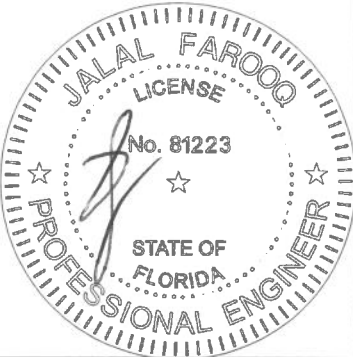
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-16 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219



GLAZING OPTIONS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 26-0729.13  
Expiration Date 07/20/2027  
By Ishaq I. Chande  
Miami-Dade Product Control

**3/8" 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



JUL 24 2026

**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

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

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

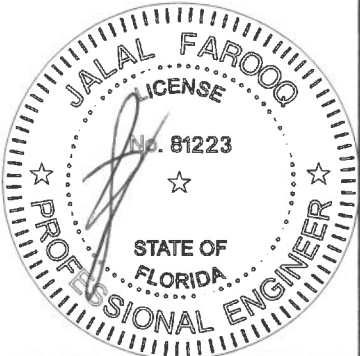
| revisions: |          | description |                      |
|------------|----------|-------------|----------------------|
| no         | date     | by          |                      |
| A          | 09.02.20 |             | NO CHANGE THIS SHEET |
| B          | 06.23.21 |             | NO CHANGE THIS SHEET |
| C          | 08.04.21 |             | NO CHANGE THIS SHEET |
| D          | 07.06.23 |             | UPDATED TO 2023 FBC  |
| E          | 07.20.26 |             | UPDATED TO 2026 FBC  |

|                |                  |               |          |
|----------------|------------------|---------------|----------|
| date: 02-14-20 | scale: 3/8" = 1" | dr. by: TARIQ | chk. by: |
| drawing no.    |                  | 20-12D        |          |
| sheet          |                  | 5 of 23       |          |

COMP-ANL\20-12D-ES

| HEAD ANCHOR LOAD CAPACITY - PSF  |                                |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
|----------------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AVERAGE<br>PANEL WIDTH<br>INCHES | DOOR FRAME<br>HEIGHT<br>INCHES | ANCHOR TYPES 'A' & 'B'             |                                    |                                    |                                    |                                    |                                    | ANCHOR TYPE 'C'                    |                                    |                                    |
|                                  |                                | 1/4" MAX. SHIM                     |                                    | 3/8" MAX. SHIM                     |                                    | 1/2" MAX. SHIM                     |                                    | 1/4" MAX. SHIM                     | 3/8" MAX. SHIM                     |                                    |
|                                  |                                | 4 ANCHORS<br>AT MTG.<br>STILE ENDS | 6 ANCHORS<br>AT MTG.<br>STILE ENDS | 4 ANCHORS<br>AT MTG.<br>STILE ENDS | 6 ANCHORS<br>AT MTG.<br>STILE ENDS | 4 ANCHORS<br>AT MTG.<br>STILE ENDS | 6 ANCHORS<br>AT MTG.<br>STILE ENDS | 4 ANCHORS<br>AT MTG.<br>STILE ENDS | 4 ANCHORS<br>AT MTG.<br>STILE ENDS | 6 ANCHORS<br>AT MTG.<br>STILE ENDS |
|                                  |                                | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               | EXT. (+)<br>INT. (-)               |
| 30                               | 82                             | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 62.6                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 54                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 55.6                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 60                               |                                | 65.0                               | 65.0                               | 64.4                               | 65.0                               | 50.1                               | 65.0                               | 65.0                               | 64.7                               | 65.0                               |
| 30                               | 84                             | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 61.1                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 54                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 54.3                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 60                               |                                | 65.0                               | 65.0                               | 62.9                               | 65.0                               | 48.9                               | 65.0                               | 65.0                               | 63.1                               | 65.0                               |
| 30                               | 90                             | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 57.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 54                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 50.7                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 60                               |                                | 65.0                               | 65.0                               | 58.7                               | 65.0                               | 45.6                               | 60.8                               | 65.0                               | 58.9                               | 65.0                               |
| 30                               | 96                             | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 61.1                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 53.5                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 54                               |                                | 65.0                               | 65.0                               | 61.1                               | 65.0                               | 47.5                               | 63.4                               | 65.0                               | 61.4                               | 65.0                               |
| 60                               |                                | 62.1                               | 65.0                               | 55.0                               | 65.0                               | 42.8                               | 57.0                               | 65.0                               | 55.2                               | 65.0                               |
| 30                               | 102                            | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 57.5                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 64.7                               | 65.0                               | 50.3                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 54                               |                                | 64.9                               | 65.0                               | 57.5                               | 65.0                               | 44.7                               | 59.6                               | 65.0                               | 57.8                               | 65.0                               |
| 30                               | 108                            | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 63.4                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 54.3                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 61.1                               | 65.0                               | 47.5                               | 63.4                               | 65.0                               | 61.4                               | 65.0                               |
| 30                               | 114                            | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 60.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 51.5                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 48                               |                                | 65.0                               | 65.0                               | 57.9                               | 65.0                               | 45.0                               | 60.0                               | 65.0                               | 58.1                               | 65.0                               |
| 30                               | 120                            | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 36                               |                                | 65.0                               | 65.0                               | 65.0                               | 65.0                               | 57.0                               | 65.0                               | 65.0                               | 65.0                               | 65.0                               |
| 42                               |                                | 65.0                               | 65.0                               | 62.9                               | 65.0                               | 48.9                               | 65.0                               | 65.0                               | 63.1                               | 65.0                               |
| 48                               |                                | 62.1                               | 65.0                               | 55.0                               | 65.0                               | 42.8                               | 57.0                               | 65.0                               | 55.2                               | 65.0                               |

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By Ishtaq I. Chaudhry  
Miami-Dade Product Control



SEE CHART ON SHEET 5 FOR DESIGN LOAD CAPACITY OF  
DESIRED GLASS SIZE.  
SEE CHART ABOVE FOR HEAD ANCHOR CAPACITY.  
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART  
OR HEAD ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

JUL 24 2026

**af c**

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

ES-EL400-10 ALUM SLIDING GLASS DOOR (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  | 09.02.20 |    | REV. PER RER COMMENTS |
| B  | 06.23.21 |    | NO CHANGE THIS SHEET  |
| C  | 08.04.21 |    | NO CHANGE THIS SHEET  |
| D  | 07.06.23 |    | NO CHANGE THIS SHEET  |
| E  | 07.20.26 |    | NO CHANGE THIS SHEET  |

date: 02-14-20

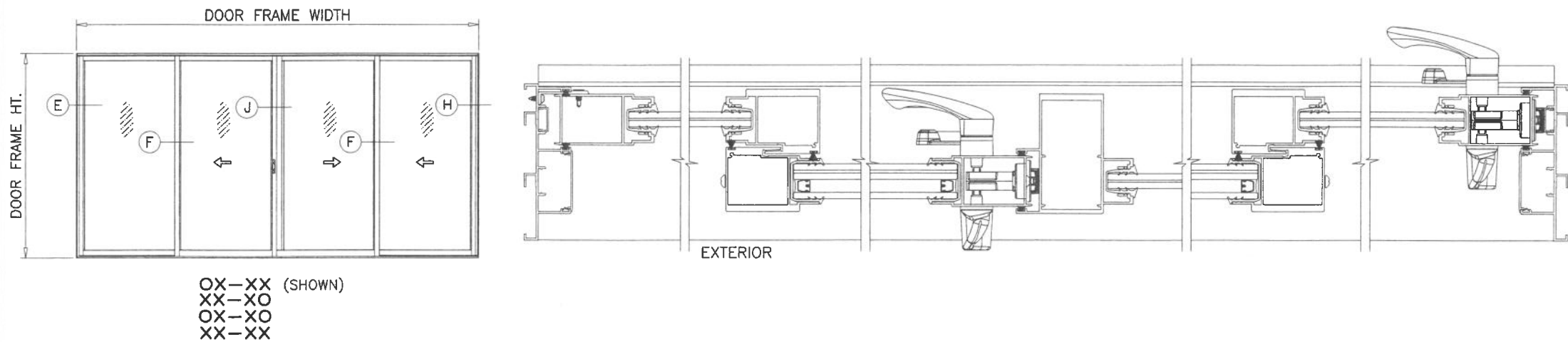
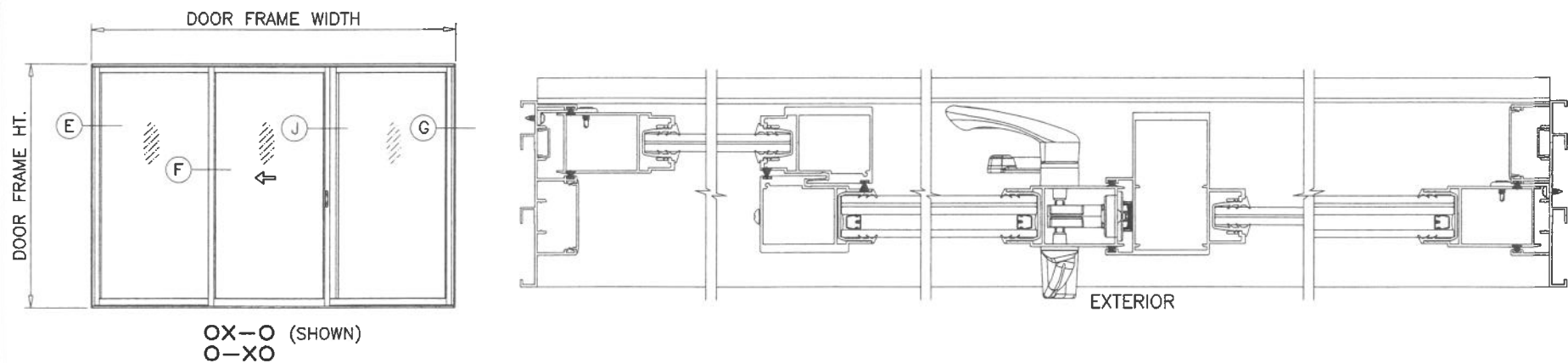
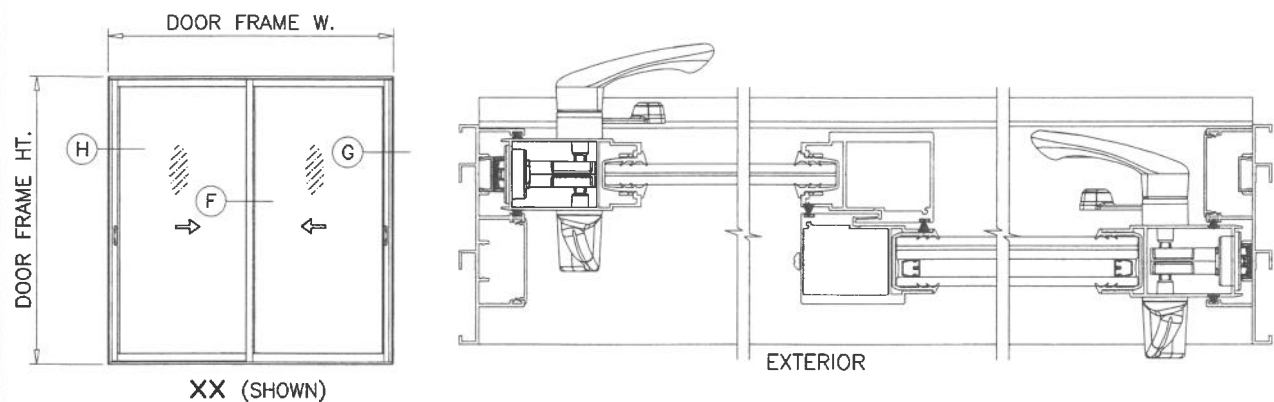
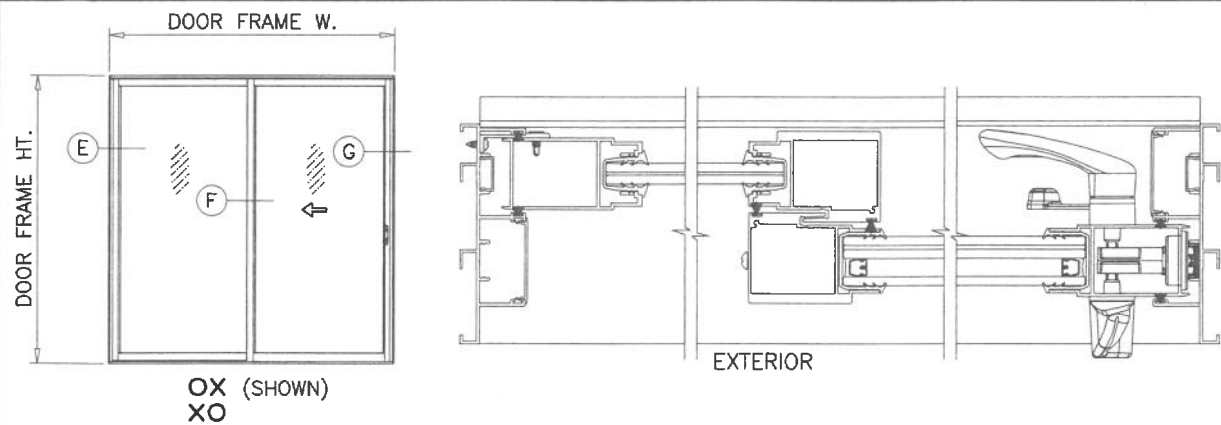
scale: -

dr. by: TARIQ

chk. by:

drawing no.  
**20-12D**

sheet 6 of 23



**APPROVED CONFIGURATIONS**  
**NON-POCKETED DOORS**  
**TWO (2) TRACKS**

NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 5.
3. FOR ANCHOR DETAILS SEE SHEETS 14 THRU 19.
4. FOR ALTERNATE SIZE UNITS MAX. OVERALL FRAME AREA OF 2 TRACK FRAMES NOT TO EXCEED 243.4 SQ. FT. PER FBC. PANELS WIDTH AND HEIGHT NOT TO EXCEED SIZES SHOWN IN CHART ON SHEET 5.

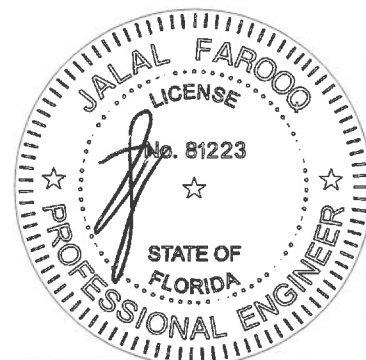
**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **26-0729.13**

Expiration Date **07/20/2027**

By *Ishag I. Chande*  
**Miami-Dade Product Control**

JUL 24 2026



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\20-12D-ES

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

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

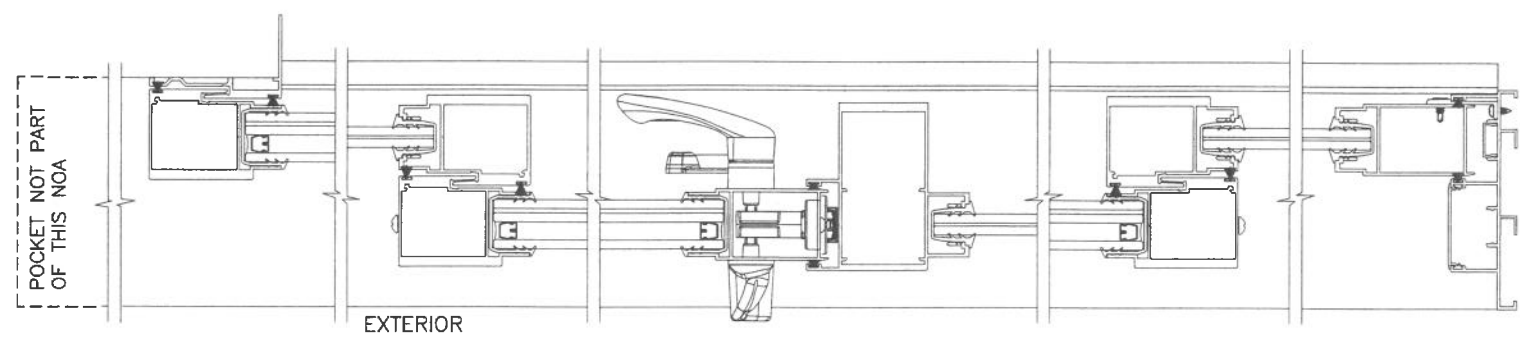
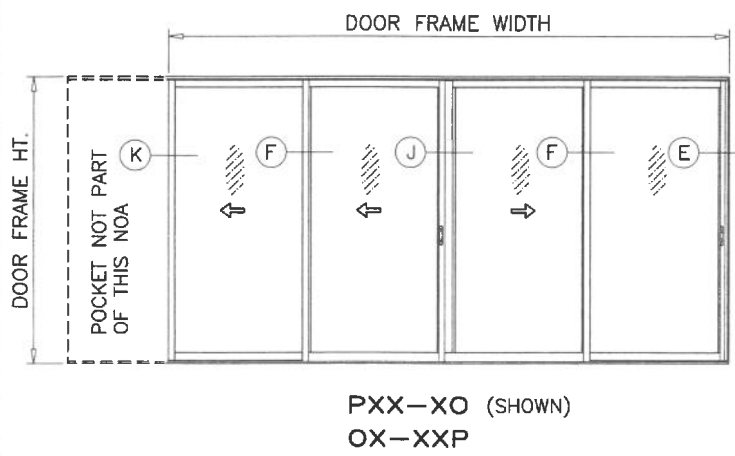
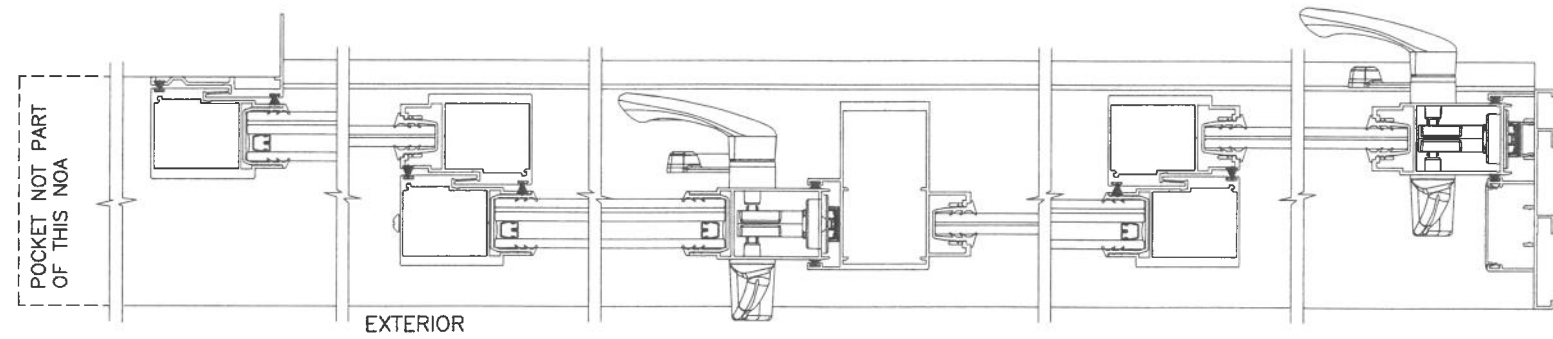
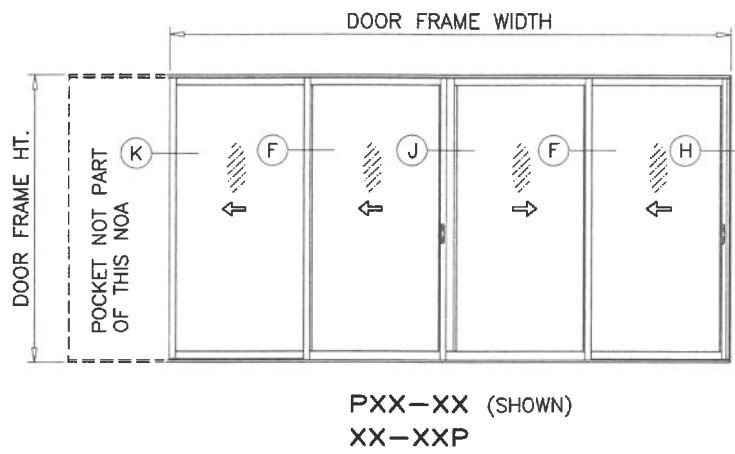
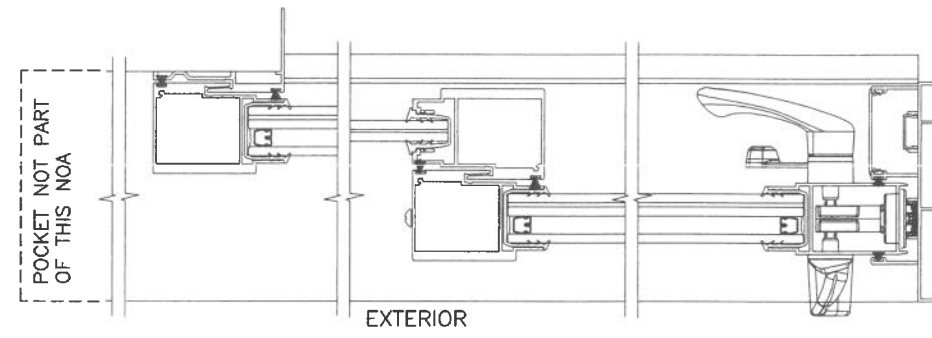
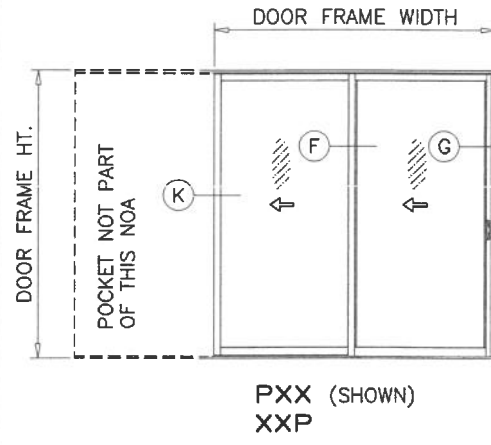
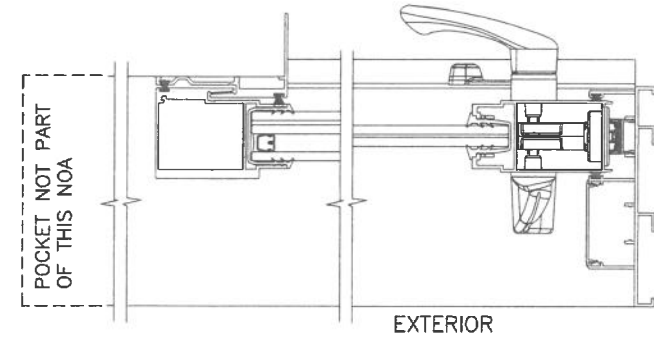
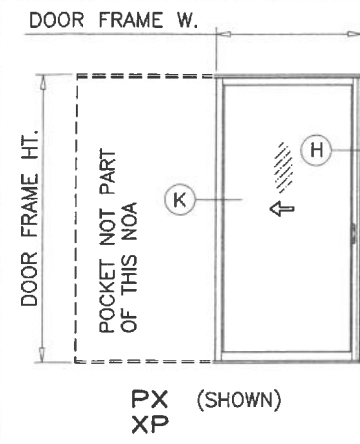
| revisions: | no | date     | by | description           |
|------------|----|----------|----|-----------------------|
|            | A  | 09.02.20 |    | REV. PER RER COMMENTS |
|            | B  | 06.23.21 |    | NO CHANGE THIS SHEET  |
|            | C  | 08.04.21 |    | NO CHANGE THIS SHEET  |
|            | D  | 07.06.23 |    | NO CHANGE THIS SHEET  |
|            | E  | 07.20.26 |    | NO CHANGE THIS SHEET  |

|                |          |               |          |
|----------------|----------|---------------|----------|
| date: 02-14-20 | scale: - | dr. by: TARIQ | chk. by: |
|----------------|----------|---------------|----------|

|             |         |
|-------------|---------|
| drawing no. | 20-12D  |
| sheet       | 7 of 23 |



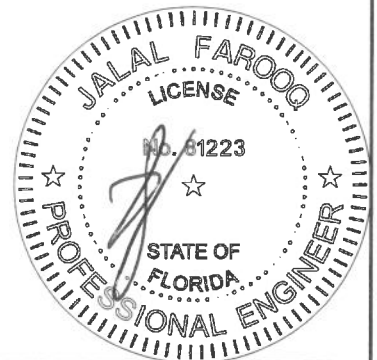
- NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
  2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 5.
  3. FOR ANCHOR DETAILS SEE SHEETS 14 THRU 19.
  4. FOR ALTERNATE SIZE UNITS MAX. OVERALL FRAME AREA OF 2 TRACK FRAMES NOT TO EXCEED 243.4 SQ. FT. PER FBC. PANELS WIDTH AND HEIGHT NOT TO EXCEED SIZES SHOWN IN CHART ON SHEET 5.
  5. POCKETS NOT PART OF THIS APPROVAL. POCKET AREA IS NOT INCLUSIVE AS FRAME AREA.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By *Ishag I. Chande*  
Miami-Dade Product Control

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
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TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\20-12D-ES

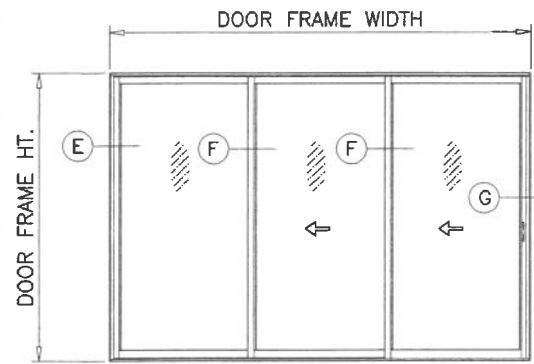
ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)  
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

|                |  |               |            |    |                       |
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| drawing no.    |  | no            | date       | by | description           |
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|                |  |               | D 07.06.23 |    | NO CHANGE THIS SHEET  |
|                |  | chk. by:      | E 07.20.26 |    | NO CHANGE THIS SHEET  |
| sheet 8 of 23  |  |               |            |    |                       |

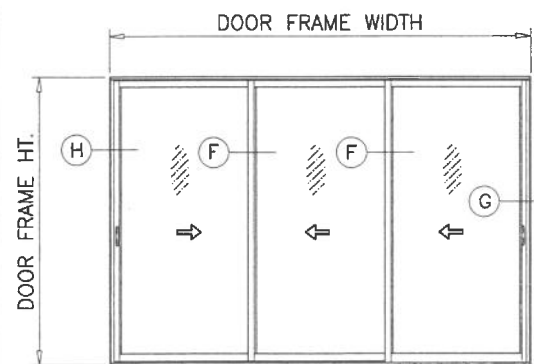
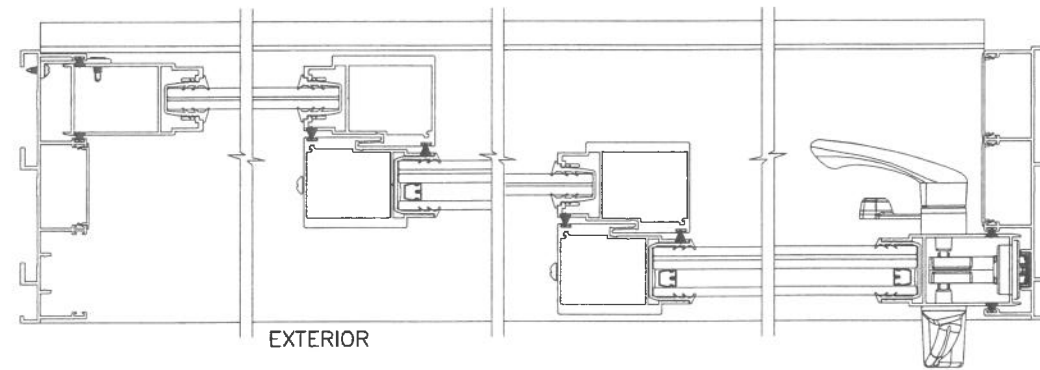


**APPROVED CONFIGURATIONS**  
**POCKETED DOORS**  
**TWO (2) TRACKS**

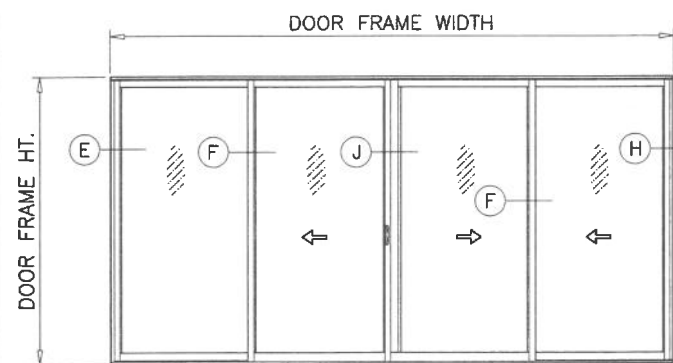
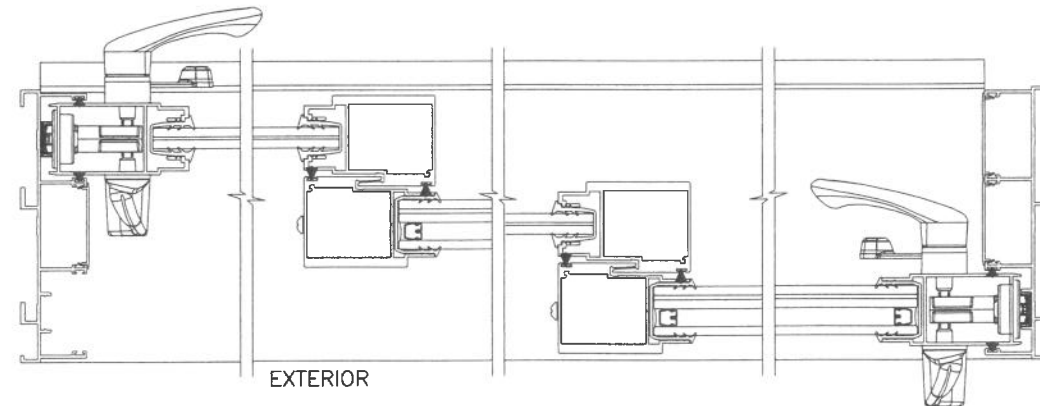
**JUL 24 2026**



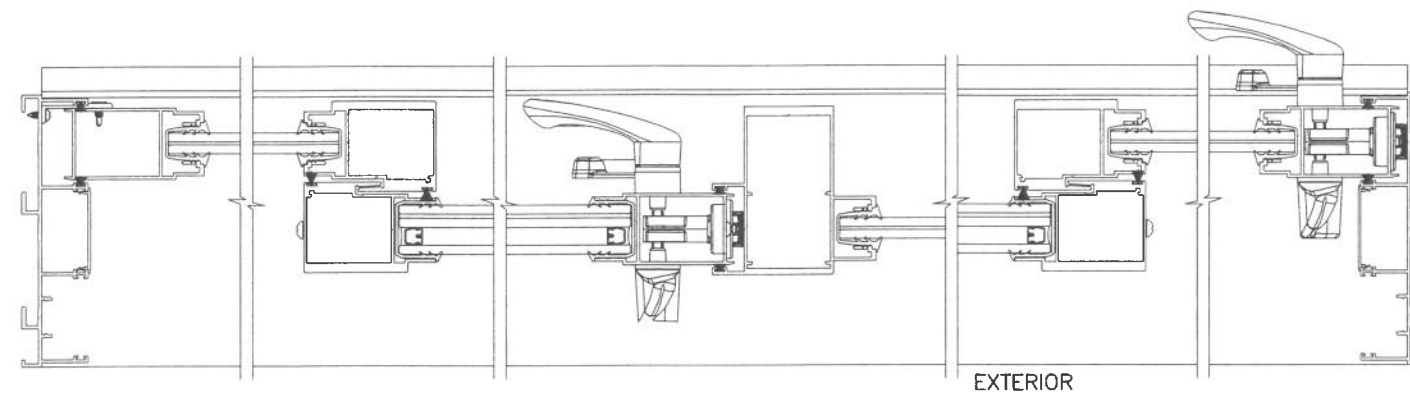
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XXX (SHOWN)



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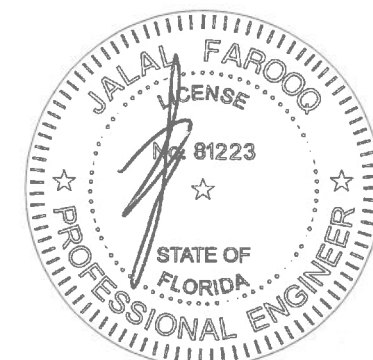
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
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**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 26-0729.13

Expiration Date 07/20/2027

By Ishag I. Chande  
Miami-Dade Product Control

JUL 24 2026



APPROVED CONFIGURATIONS  
NON-POCKETED DOORS  
THREE (3) TRACKS

afC

**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

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

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

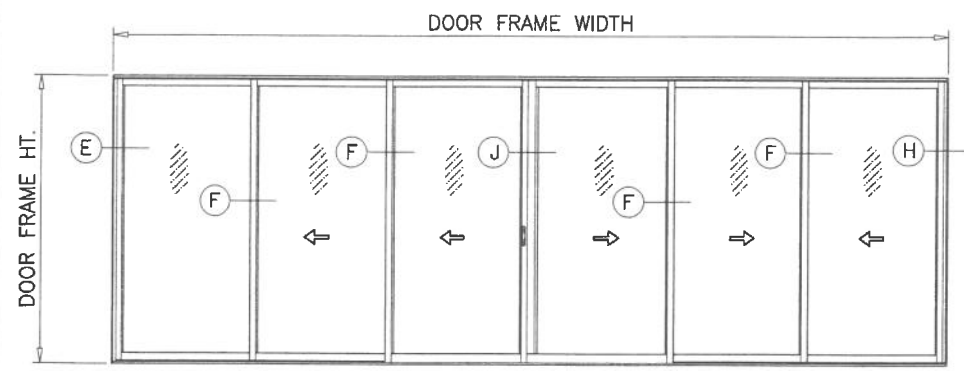
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| D  | 07.06.23 |    | NO CHANGE THIS SHEET  |
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scale: -  
dr. by: TARIQ  
chk. by:

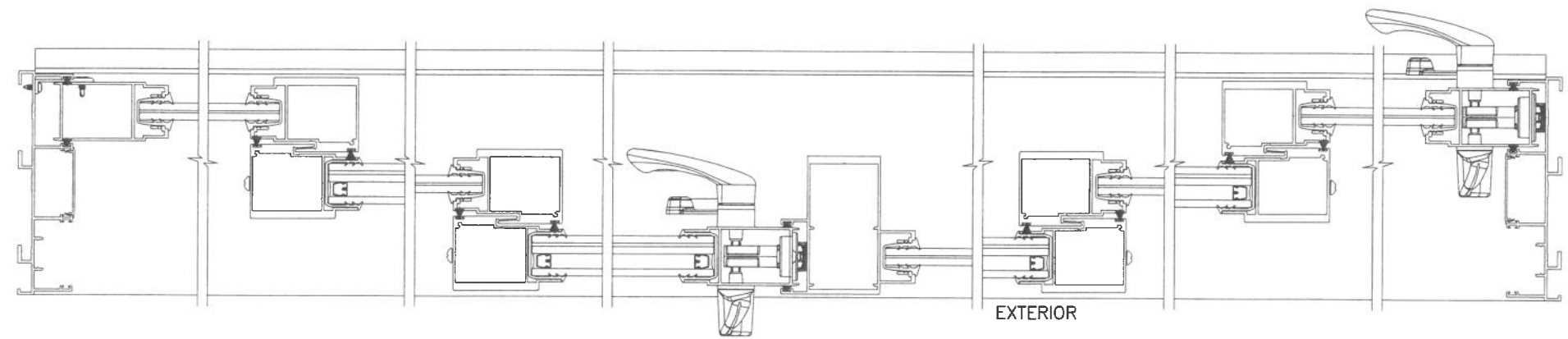
drawing no.  
20-12D

sheet 9 of 23

COMP-ANL\20-12D-ES



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XXX-XXX



- NOTE:
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as complying with the Florida  
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NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By Ishag I. Chande  
Miami-Dade Product Control

APPROVED CONFIGURATIONS  
NON-POCKETED DOORS  
THREE (3) TRACKS

JUL 24 2026



**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\20-12D-ES

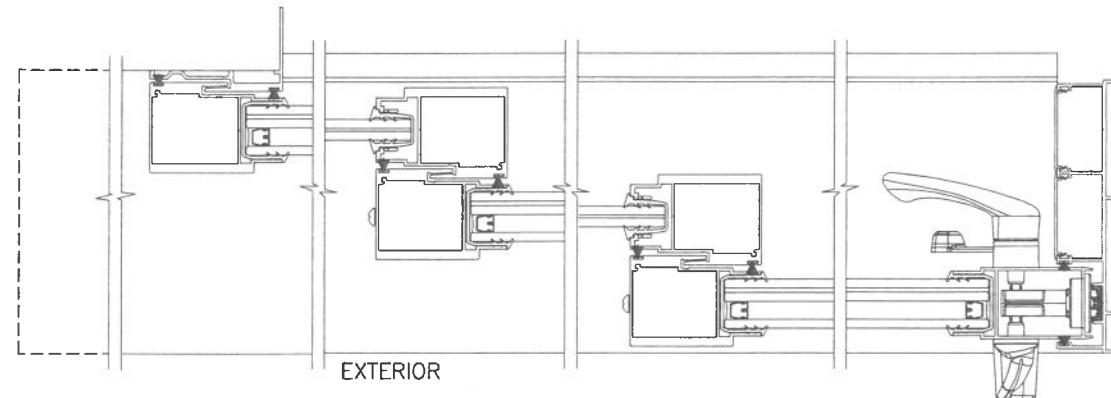
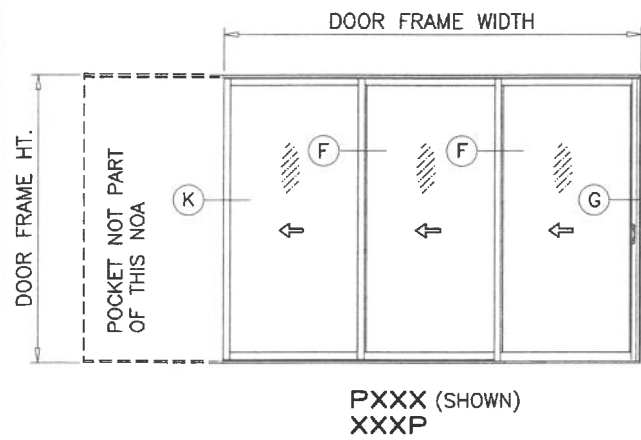
ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
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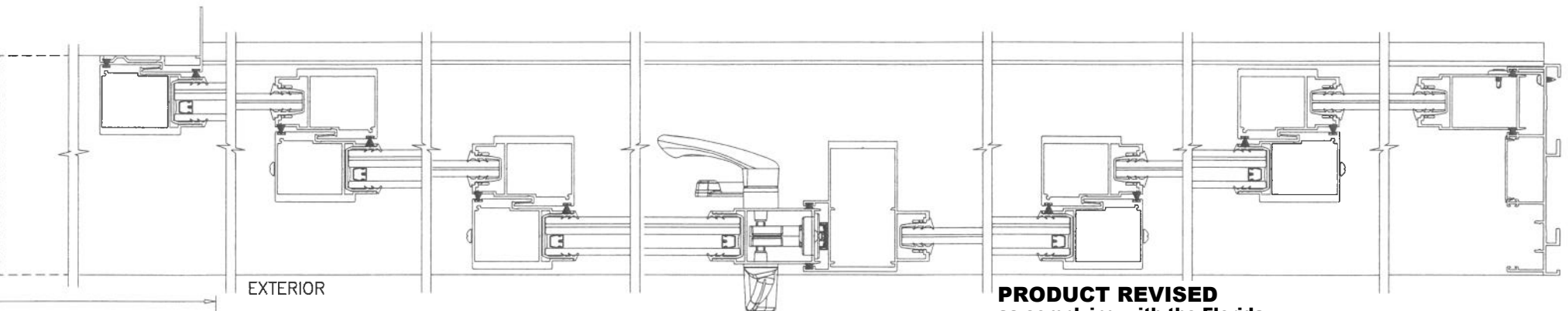
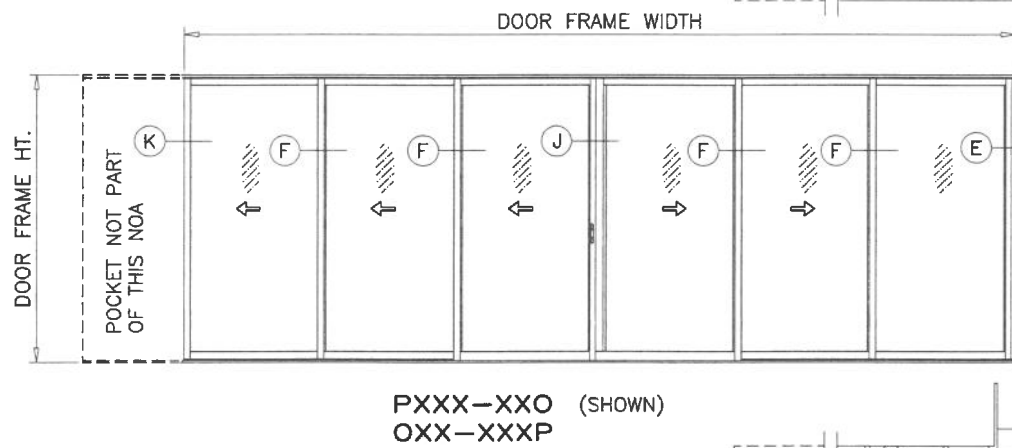
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| C          | 08.04.21 NO CHANGE THIS SHEET |
| D          | 07.06.23 NO CHANGE THIS SHEET |
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date: 02-14-20  
scale: -  
dr. by: TARIQ  
chk. by:

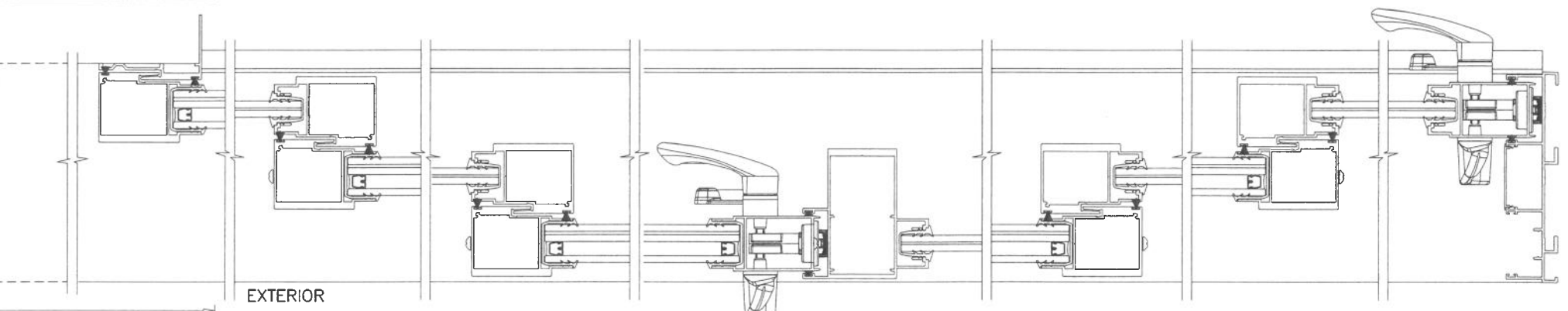
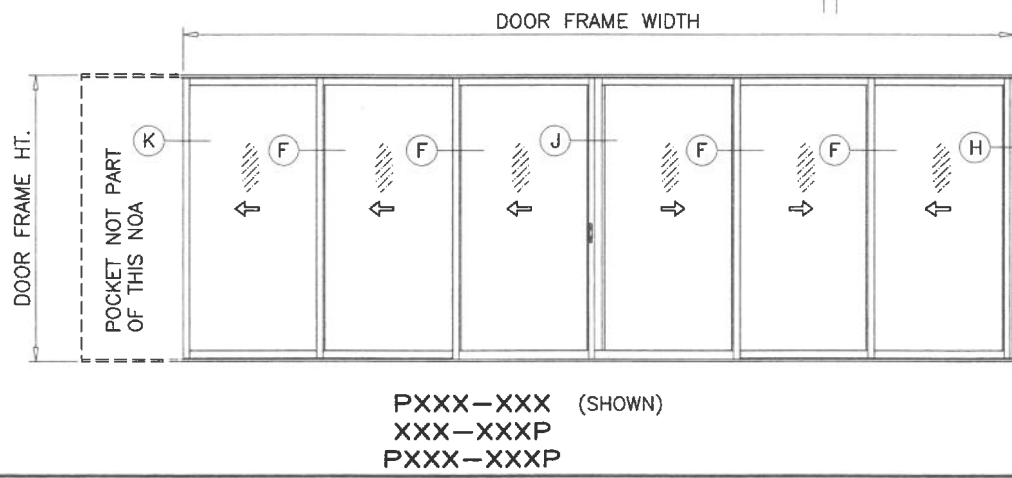
drawing no.  
**20-12D**  
sheet 9.1 of 23



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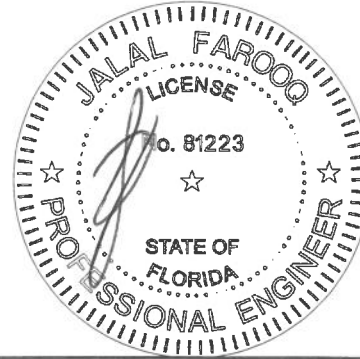


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 Expiration Date **07/20/2027**  
 By Ishag I. Chanda  
 Miami-Dade Product Control



**APPROVED CONFIGURATIONS**  
**POCKETED DOORS**  
**THREE (3) TRACKS**

**JUL 24 2026**



**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

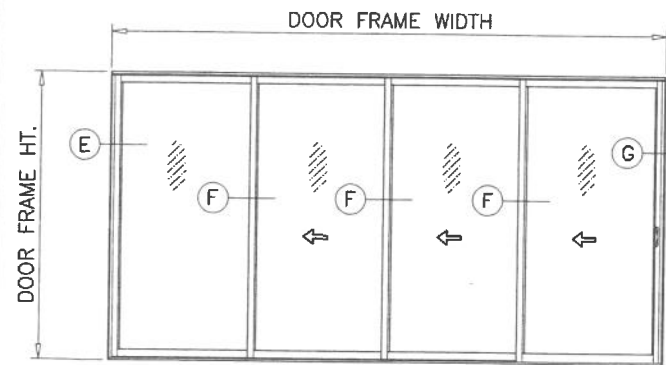
ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)  
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| no | date     | by                    | description |
|----|----------|-----------------------|-------------|
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| D  | 07.06.23 | NO CHANGE THIS SHEET  |             |
| E  | 07.20.26 | NO CHANGE THIS SHEET  |             |

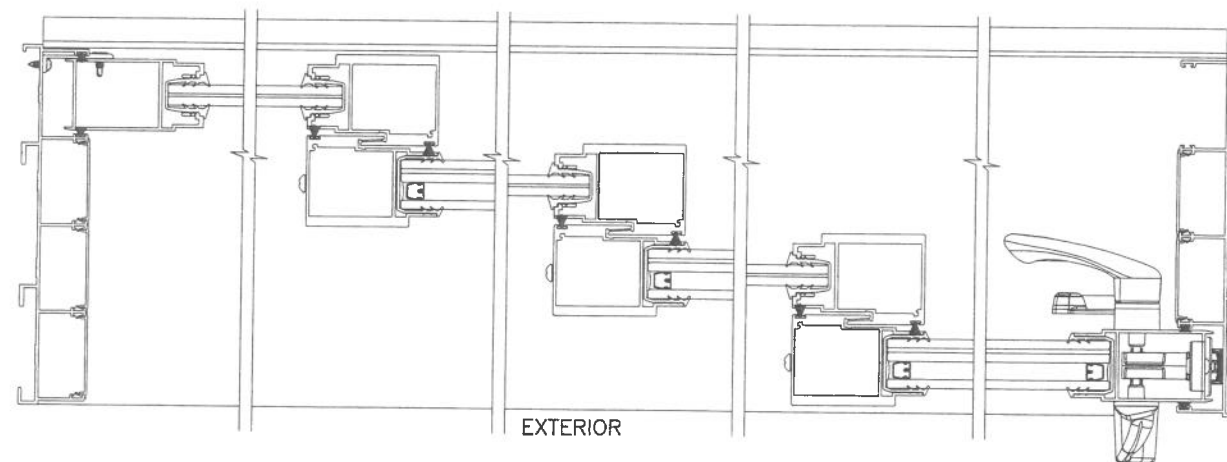
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 dr. by: TARIQ  
 chk. by:

drawing no. **20-12D**  
 sheet 10 of 23

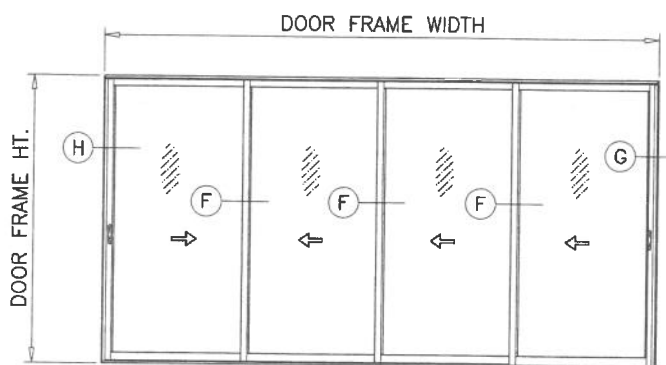
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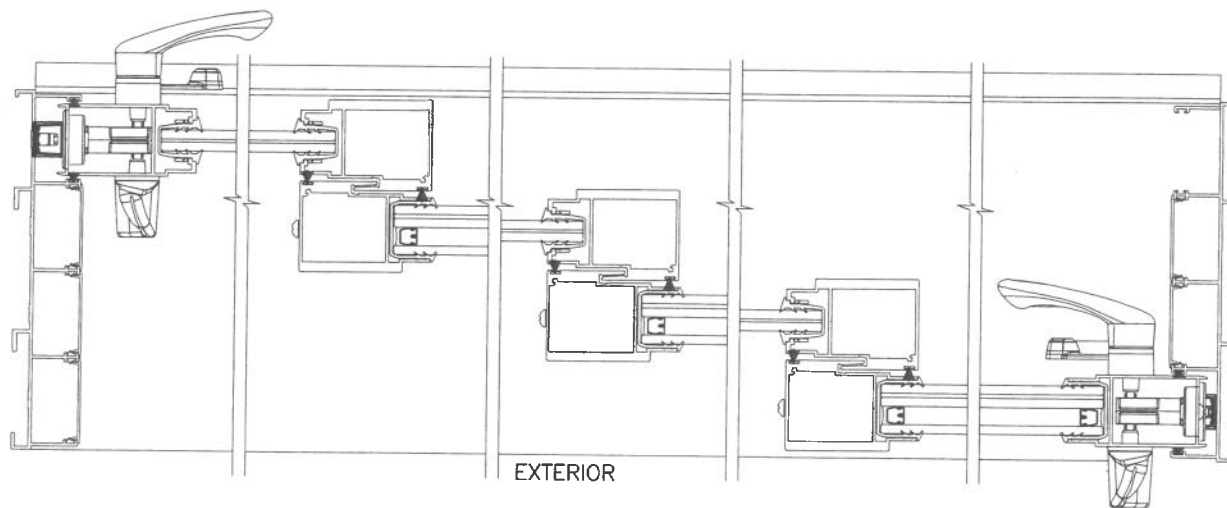
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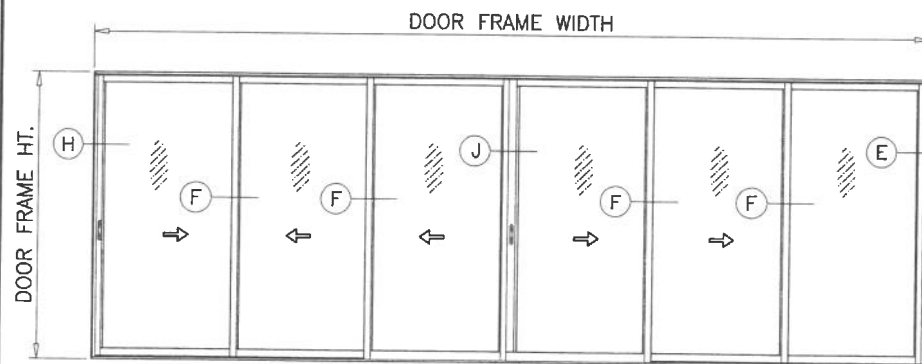
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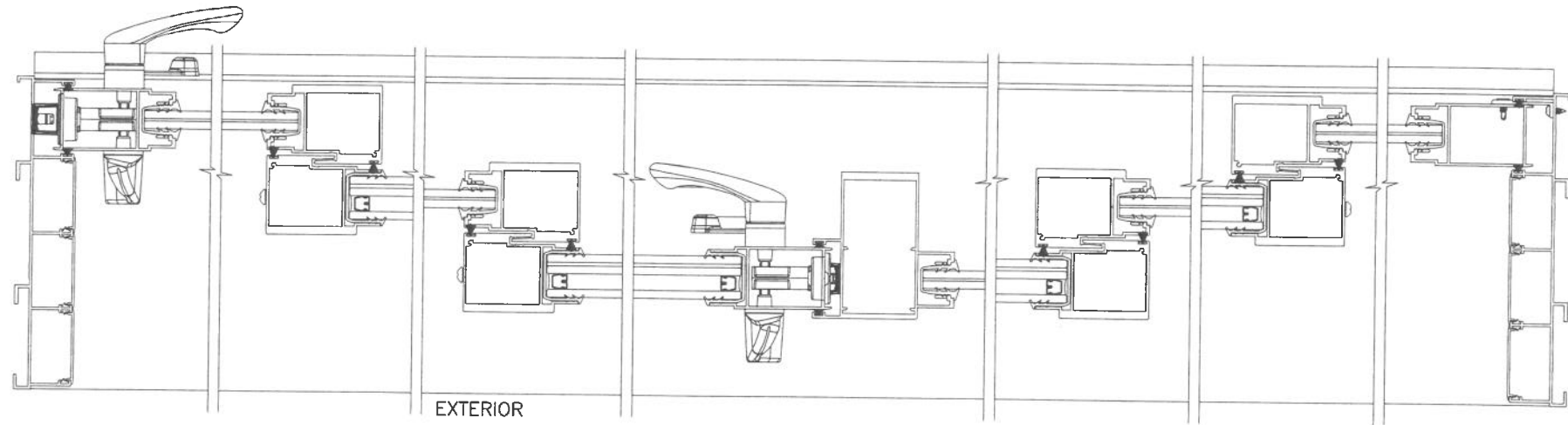
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EXTERIOR



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EXTERIOR

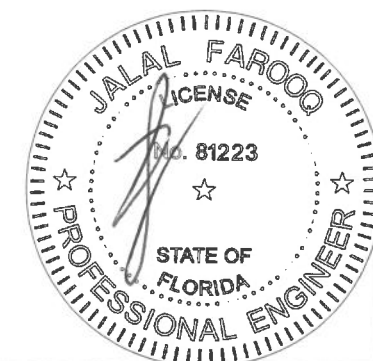
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NOA-No. 26-0729.13

Expiration Date 07/20/2027

By Ishaq I. Chande  
Miami-Dade Product Control



JUL 24 2026

APPROVED CONFIGURATIONS  
NON-POCKETED DOORS  
FOUR (4) TRACKS

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

COMP-ANL\20-12D-ES

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ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

**E.S. WINDOWS, LLC**  
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MIAMI, FL. 33142  
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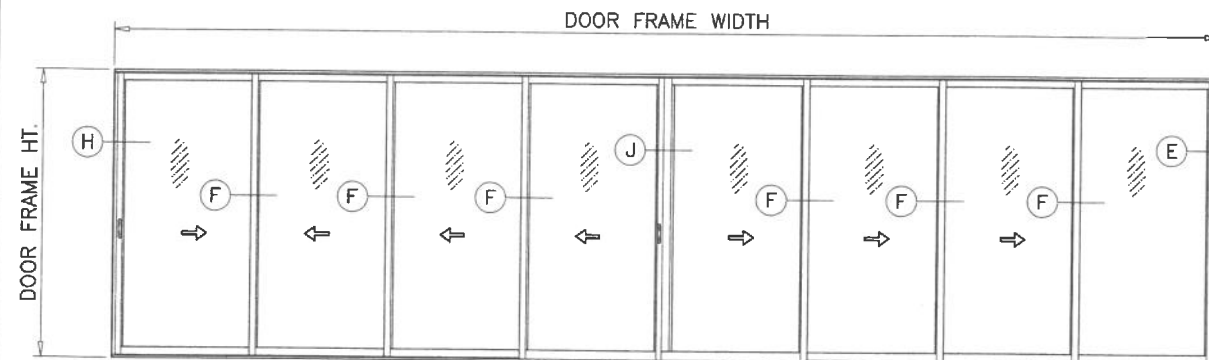
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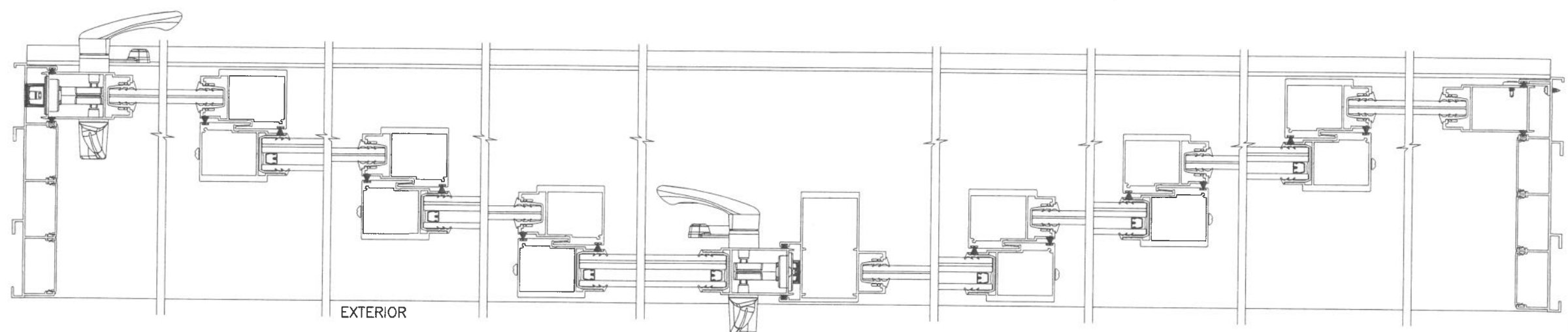
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dr. by: TARIQ  
chk. by:

drawing no.  
**20-12D**  
sheet 11 of 23

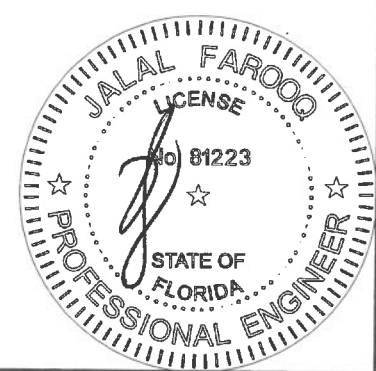


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 By *Ishag I. Chanda*  
 Miami-Dade Product Control



APPROVED CONFIGURATIONS  
 NON-POCKETED DOORS  
 FOUR (4) TRACKS

JUL 24 2026

**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\20-12D-ES

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ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

**E.S. WINDOWS, LLC**  
 3550 N.W. 49 STREET  
 MIAMI, FL. 33142  
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20-12D

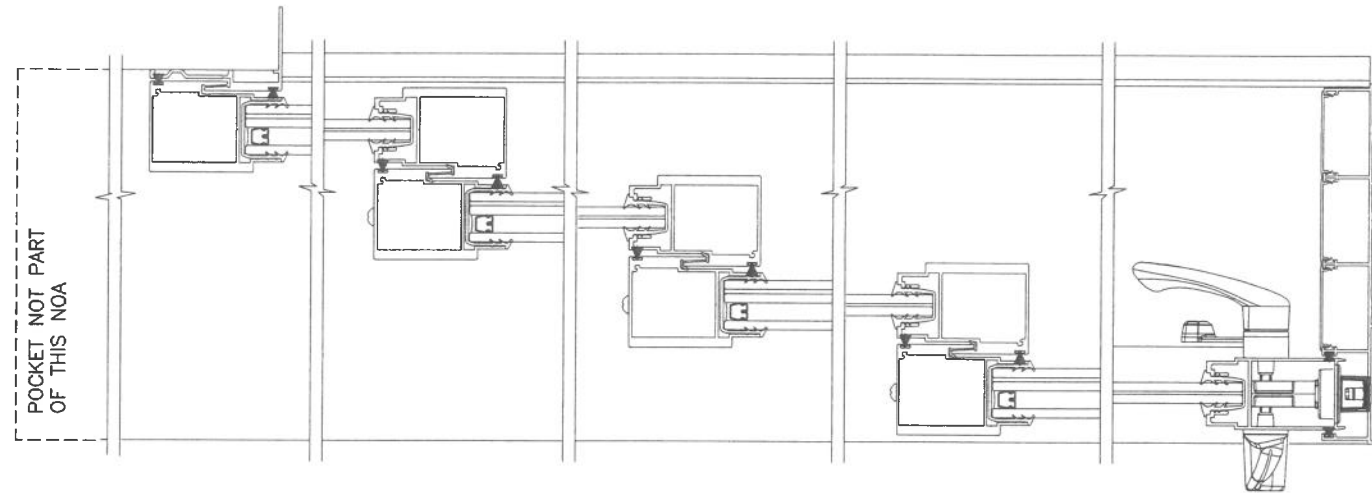
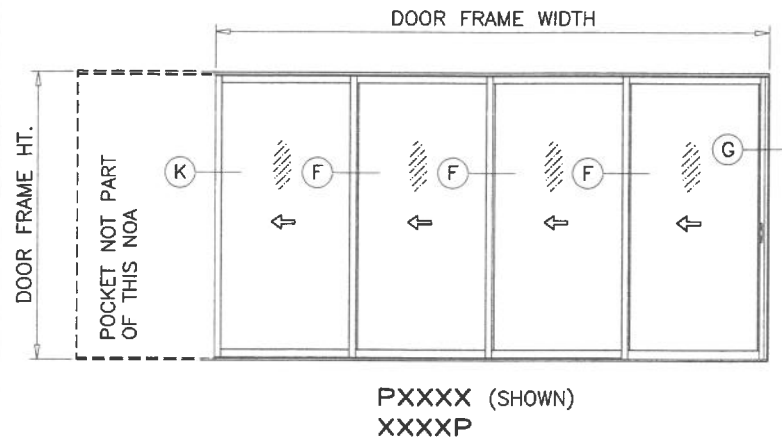
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| E          | 07.20.26 |    |      | NO CHANGE THIS SHEET  |             |

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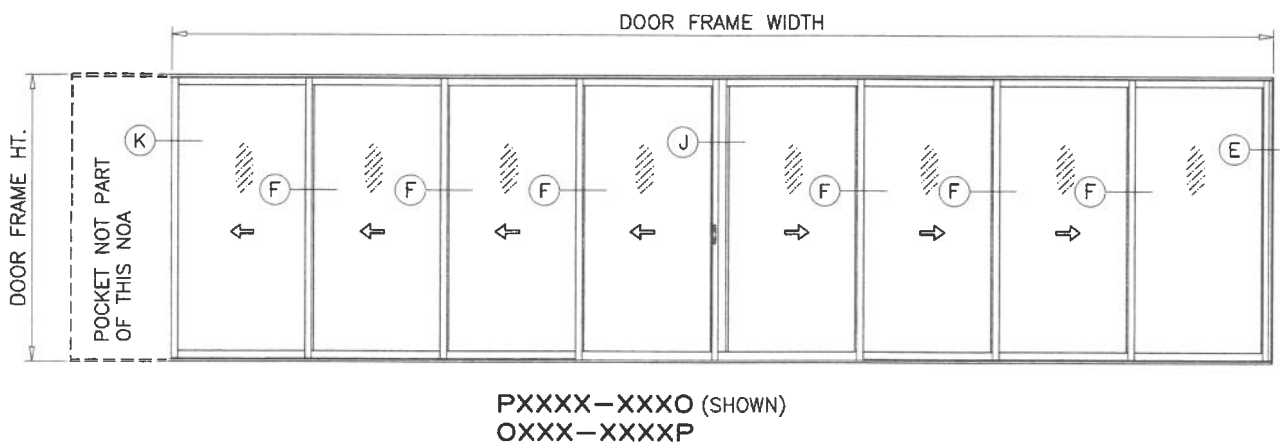
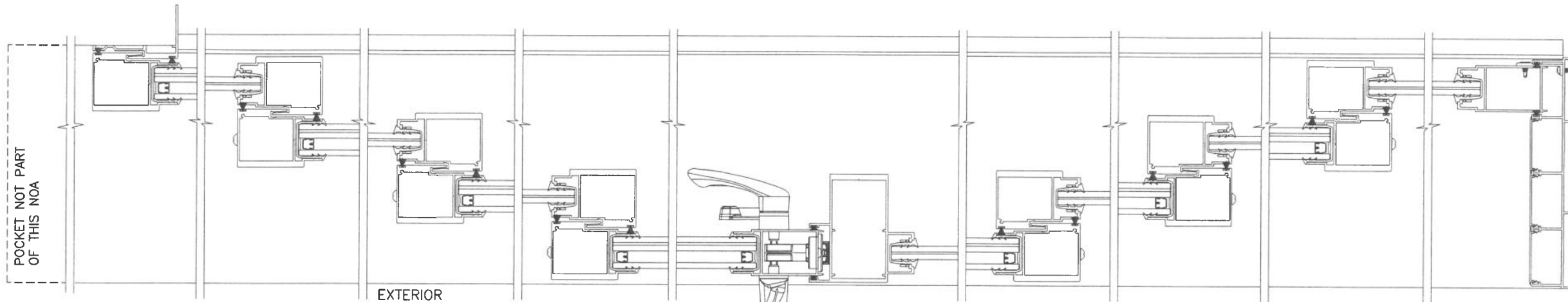
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 chk. by:

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**20-12D**  
 sheet 11.1 of 23

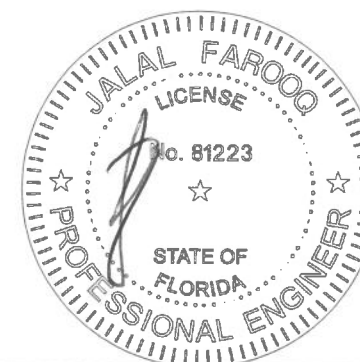


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By *Ishaq I. Chande*  
Miami-Dade Product Control



APPROVED CONFIGURATIONS  
POCKETED DOORS  
FOUR (4) TRACKS

JUL 24 2026

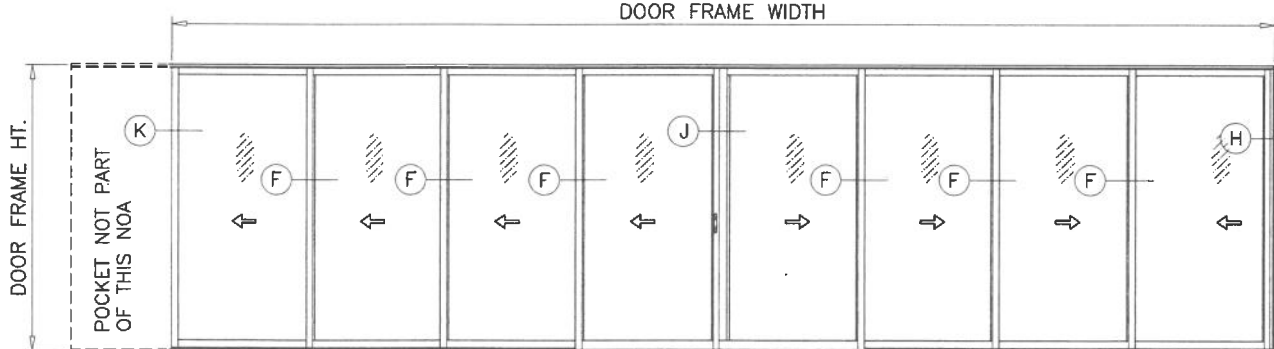
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

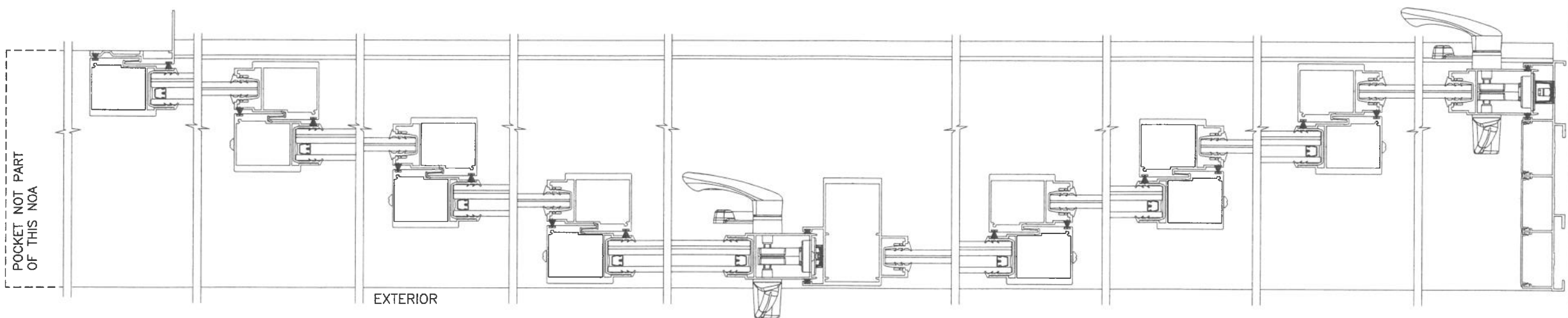
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chk. by:  
drawing no.  
20-12D  
sheet 12 of 23

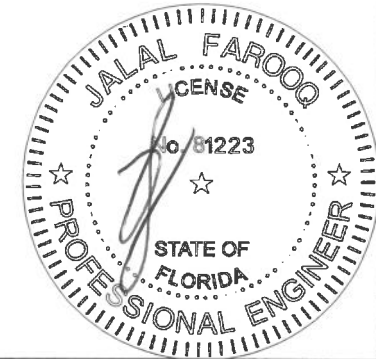


PXXXX-XXXX (SHOWN)  
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APPROVED CONFIGURATIONS  
 POCKETED DOORS  
 FOUR (4) TRACKS

JUL 24 2026



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 Expiration Date **07/20/2027**  
 By Ishag I. Chande  
 Miami-Dade Product Control

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COMP-ANL\20-12D-ES

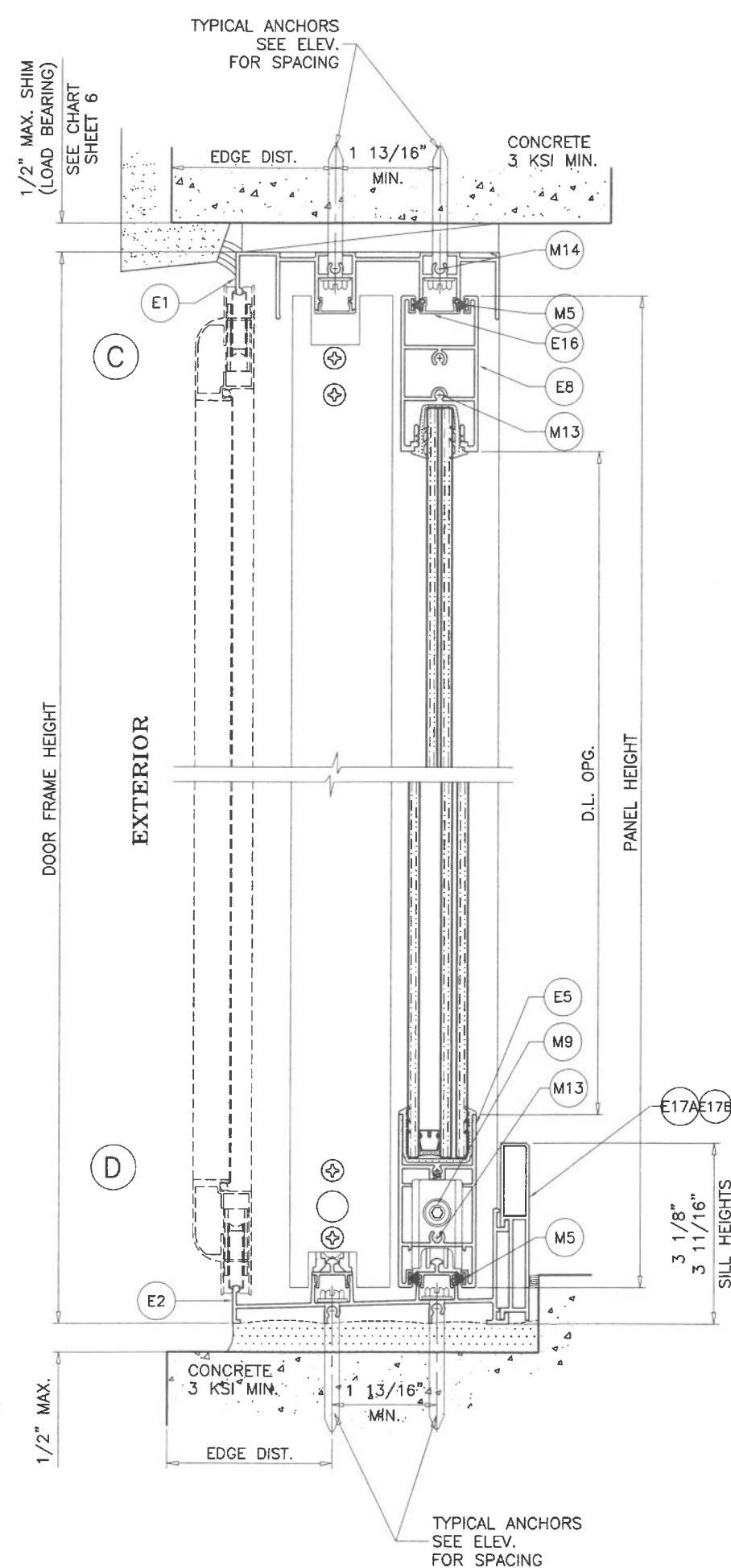
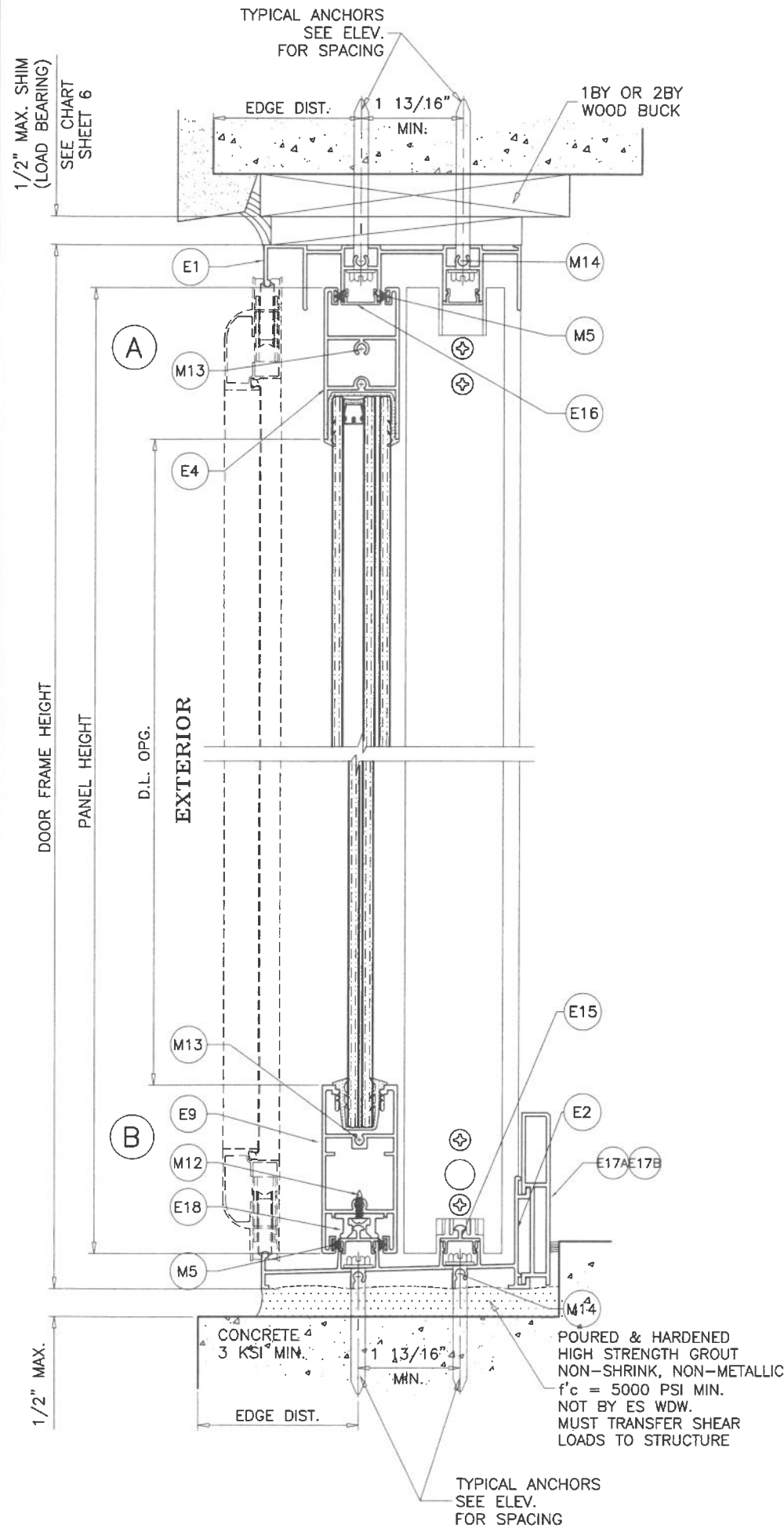
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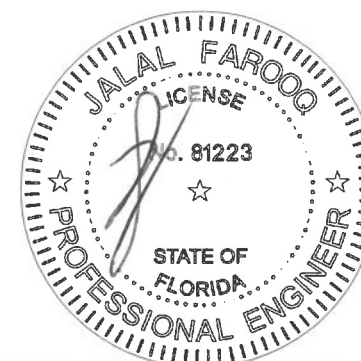
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date: 02-14-20  
 scale: -  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**20-12D**  
 sheet 13 of 23



**PRODUCT REVISED**  
as complying with the Florida  
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By Shag L. Chanda  
Miami-Dade Product Control



JUL 24 2026

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

drawing no.  
**20-12D**  
sheet 14 of 23

| revisions: |                                   |
|------------|-----------------------------------|
| no         | description                       |
| A          | 09.02.20 NO CHANGE THIS SHEET     |
| B          | 06.23.21 SILL RISER REVISED       |
| C          | 08.04.21 SILL RISER OPTIONS ADDED |
| D          | 07.06.23 NO CHANGE THIS SHEET     |
| E          | 07.20.26 NO CHANGE THIS SHEET     |

date: 02-14-20

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

date: 02-14-20

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

- TYPE 'A'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO WOOD STRUCTURES  
2" MIN. PENETRATION INTO WOOD  
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE, 1-1/2" MIN. EDGE DIST.
- TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE  
2" MIN. EMBED INTO CONCRETE, 1-1/2" MIN. EDGE DIST.
- TYPE 'C'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(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)

AT SILL

- TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE

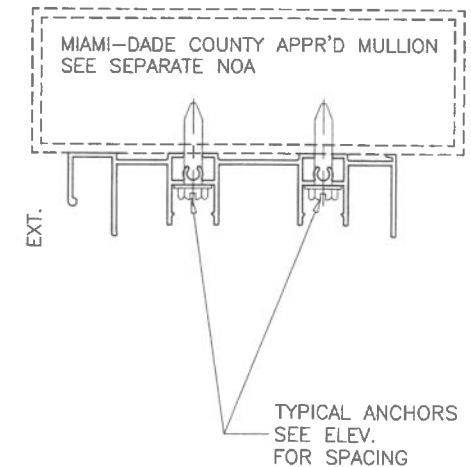
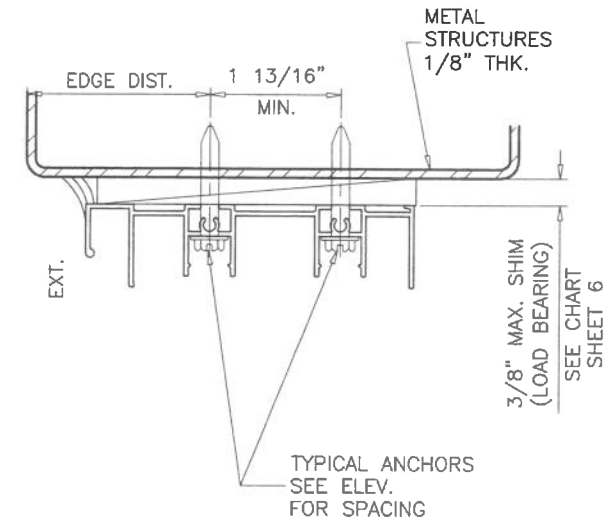
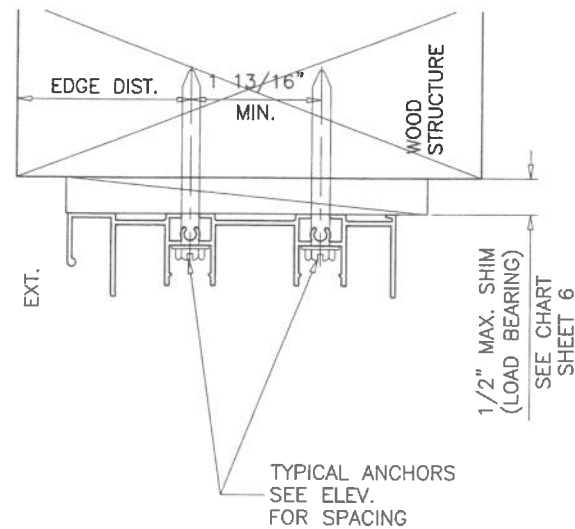
AT JAMBS

- TYPE 'A'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO WOOD STRUCTURES  
2" MIN. PENETRATION INTO WOOD  
THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR FILLED BLOCK  
1-3/4" MIN. EMBED INTO CONCRETE  
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS
- TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS  
2" MIN. EMBED INTO CONCRETE  
2" MIN. EMBED INTO GROUT FILLED BLOCKS
- TYPE 'C'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(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)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN. (UNLESS SPECIFIED OTHERWISE)  
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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



**PRODUCT REVISED**  
as complying with the Florida  
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NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**

By Ishag I. Chande  
Miami-Dade Product Control

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WDW.  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM  
AND TRANSFER THEM TO THE BUILDING STRUCTURE.



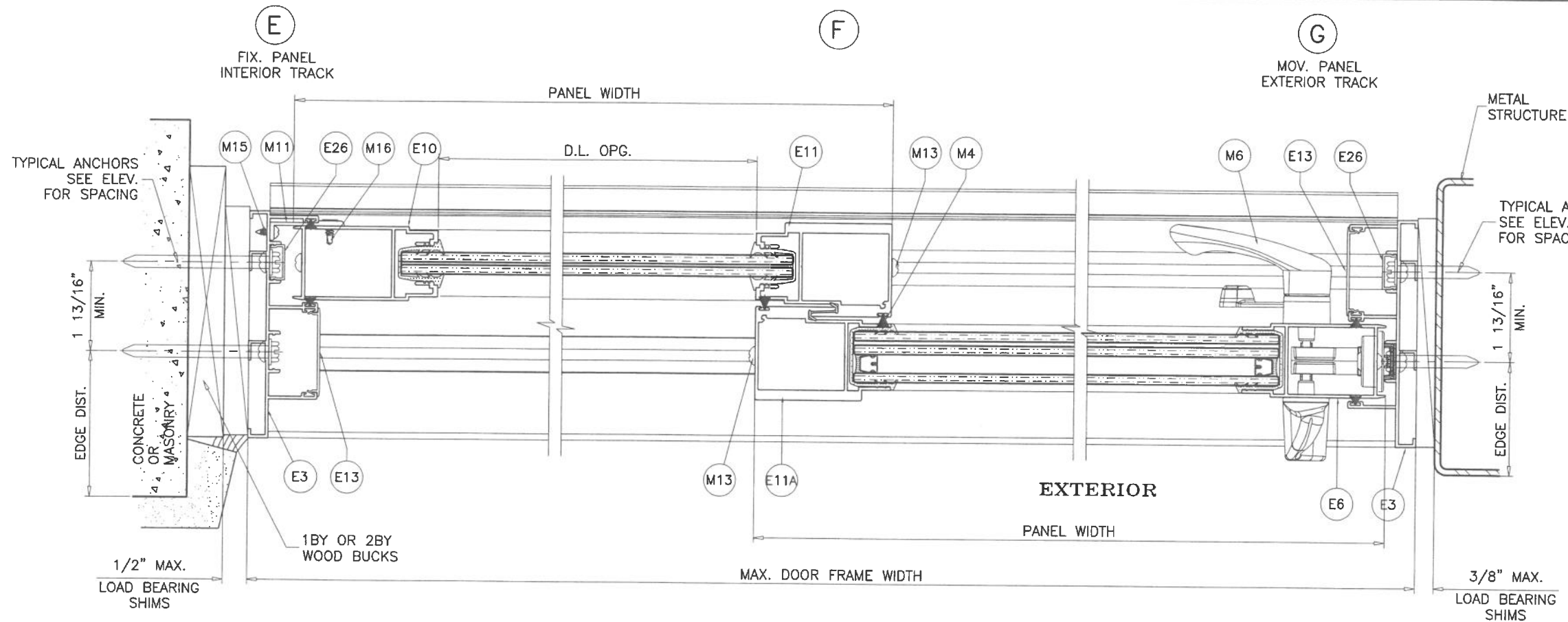
JUL 24 2026

**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\20-12D-ES

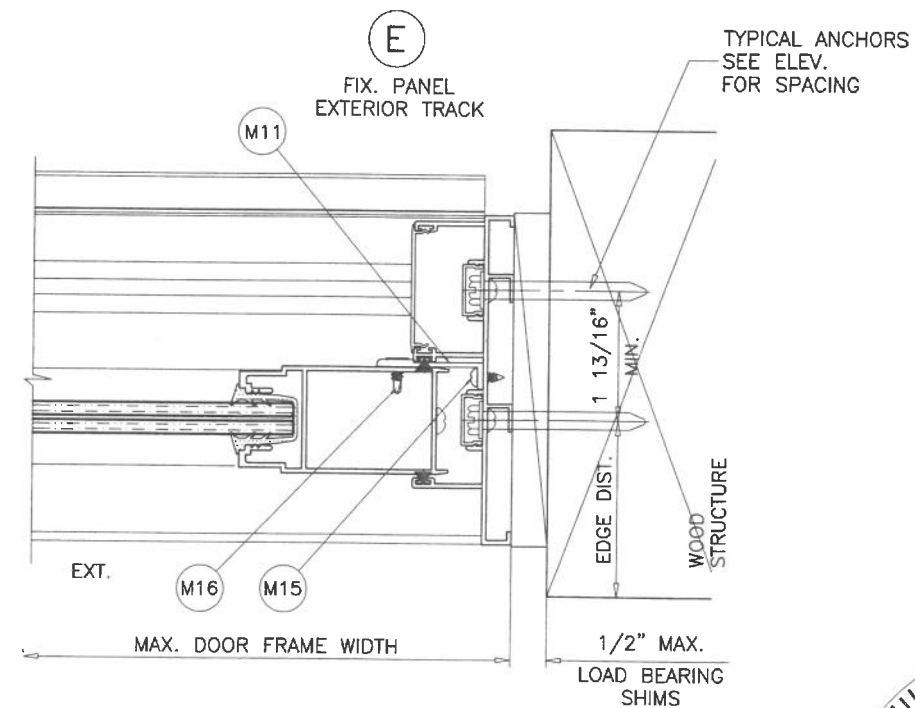
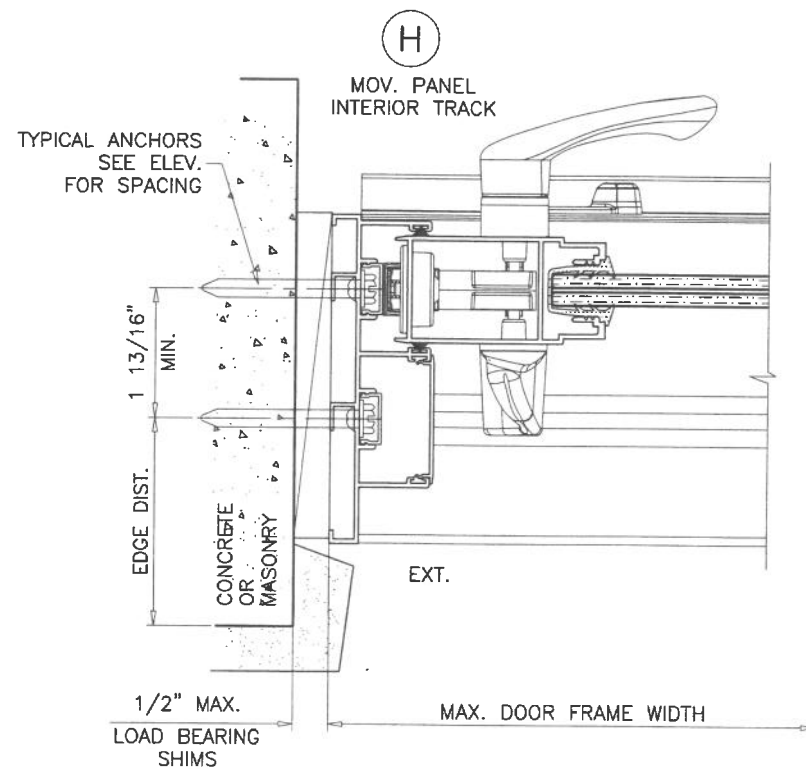
ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)  
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: |          | by |          | description |                   |
|------------|----------|----|----------|-------------|-------------------|
| no         | date     | no | date     | rev.        | per               |
| A          | 09.02.20 | 1  | 09.02.20 | NO          | CHANGE THIS SHEET |
| B          | 06.23.21 | 2  | 06.23.21 | NO          | CHANGE THIS SHEET |
| C          | 08.04.21 | 3  | 08.04.21 | NO          | CHANGE THIS SHEET |
| D          | 07.06.23 | 4  | 07.06.23 | NO          | CHANGE THIS SHEET |
| E          | 07.20.26 | 5  | 07.20.26 | NO          | CHANGE THIS SHEET |

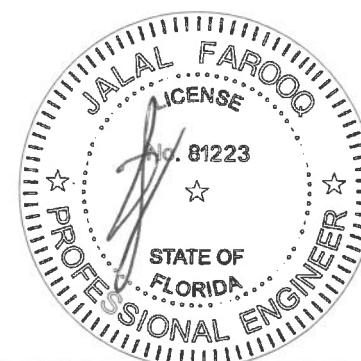
date: 02-14-20  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:  
drawing no.  
**20-12D**  
sheet 15 of 23



**PRODUCT REVISED**  
as complying with the Florida  
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NOA-No. **26-0729.13**  
Expiration Date **07/20/2027**  
By Ishag I. Chande  
Miami-Dade Product Control



JUL 24 2026



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9360 SUNSET DRIVE, SUITE 220  
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COMP-ANL 20-12D-ES

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ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

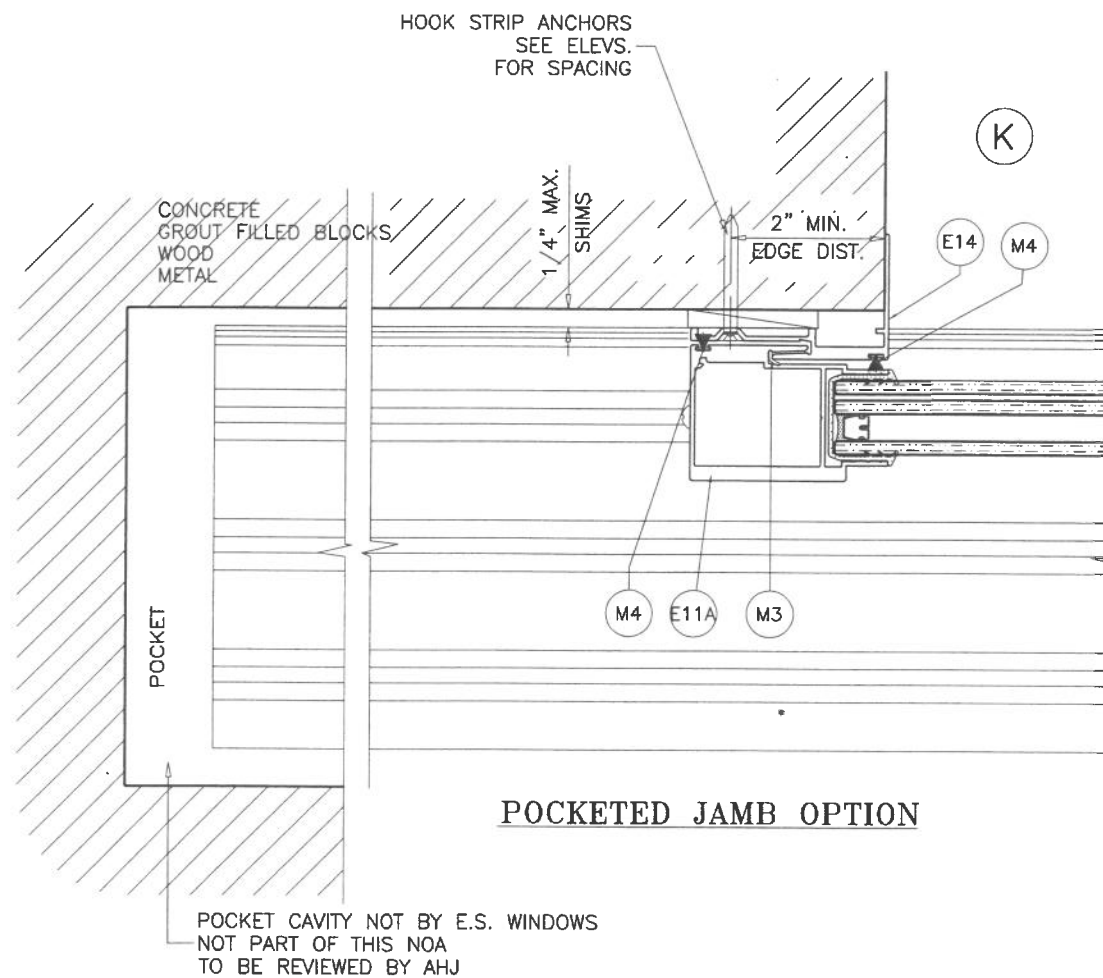
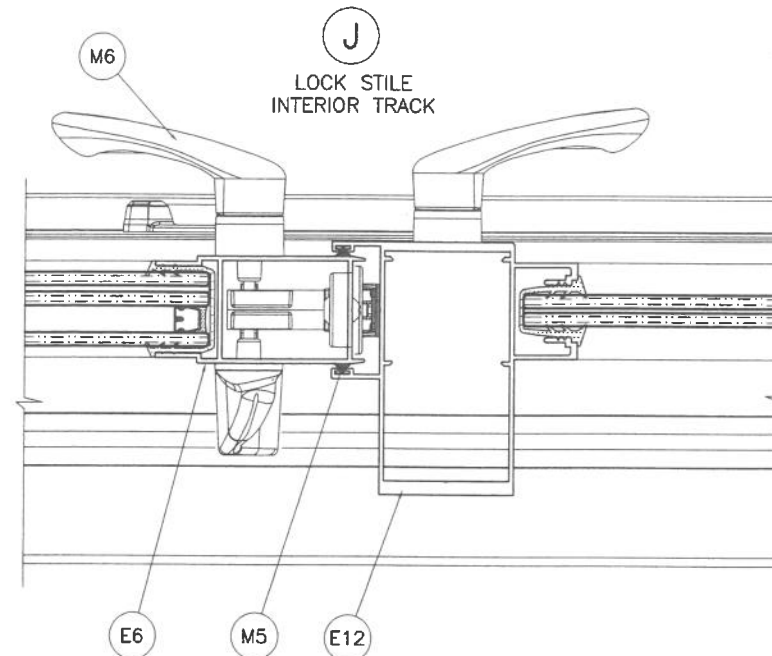
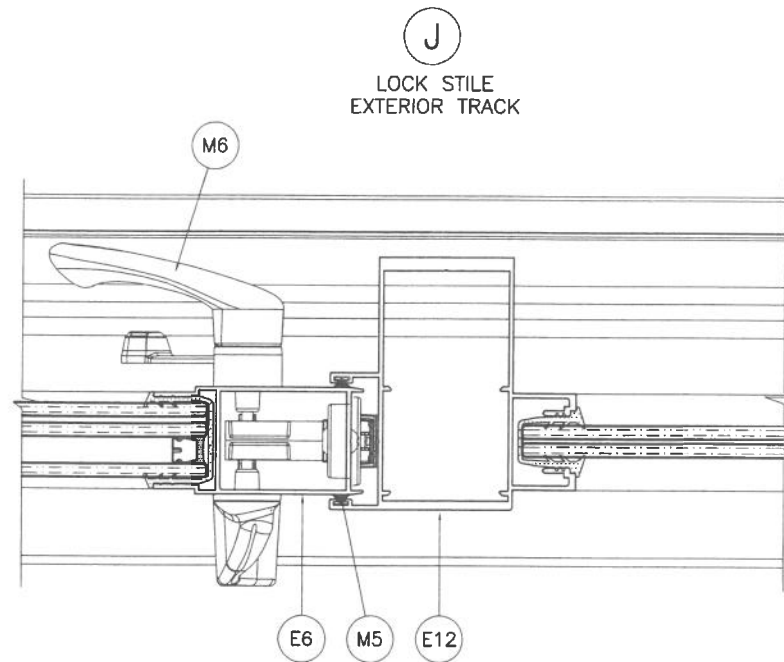
**E.S. WINDOWS, LLC**  
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| no | date     | by | description          |
|----|----------|----|----------------------|
| A  | 09.02.20 |    | NO CHANGE THIS SHEET |
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| C  | 08.04.21 |    | NO CHANGE THIS SHEET |
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date: 02-14-20  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**20-12D**  
sheet 16 of 23



**HOOK STRIP ANCHORS:** SEE ELEV. FOR SPACING  
**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
 DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS  
 1-3/4" MIN. EMBED INTO CONCRETE  
 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS

**#14 SMS** (GRADE 2 CRS)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD

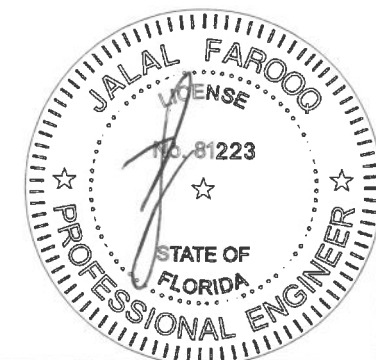
**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
 INTO METAL STRUCTURES  
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE  
 ALUMINUM: 5/32" THK. MIN. (6063-T5 MIN.)  
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#### TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.

**PRODUCT REVISED**  
 as complying with the Florida  
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 NOA-No. **26-0729.13**  
 Expiration Date **07/20/2027**  
 By *Ishaq I. Chande*  
 Miami-Dade Product Control

**JUL 24 2026**

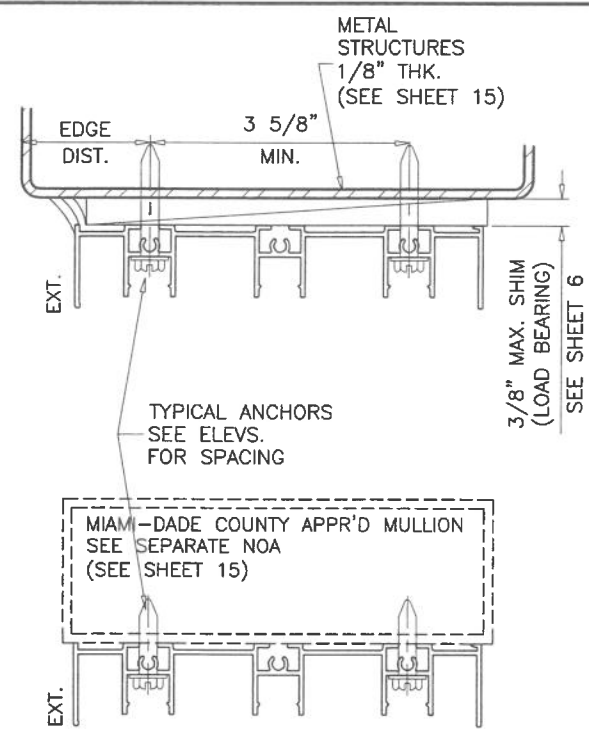
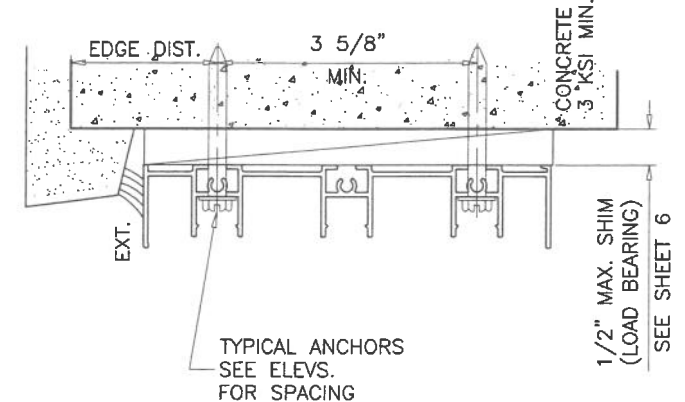
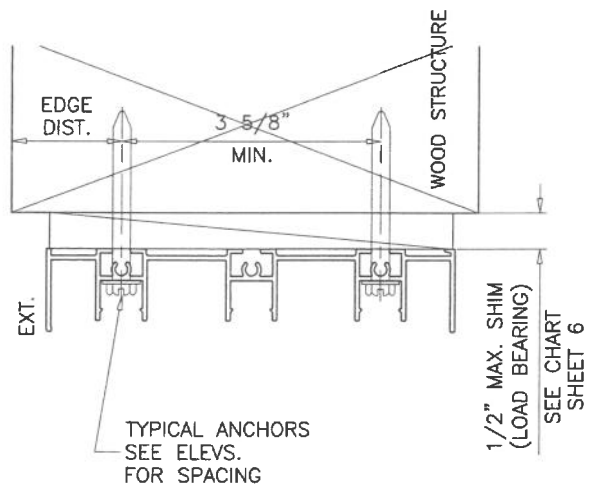
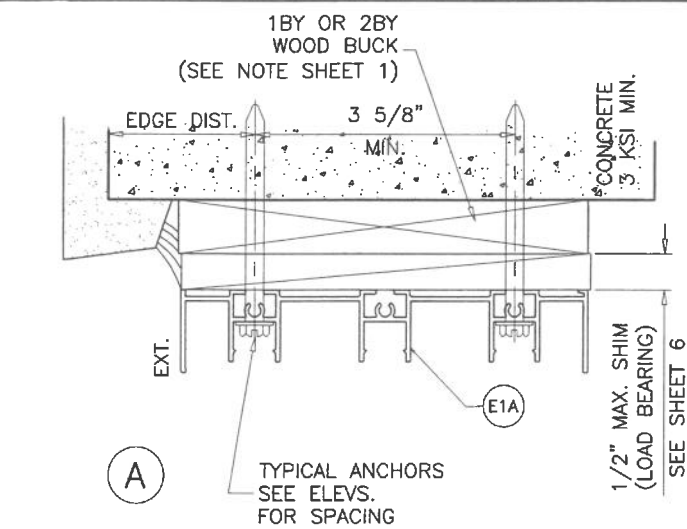


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 COMP-ANL\20-12D-ES

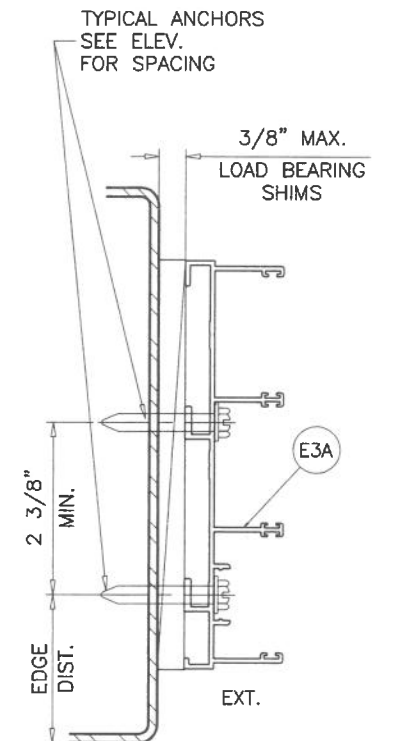
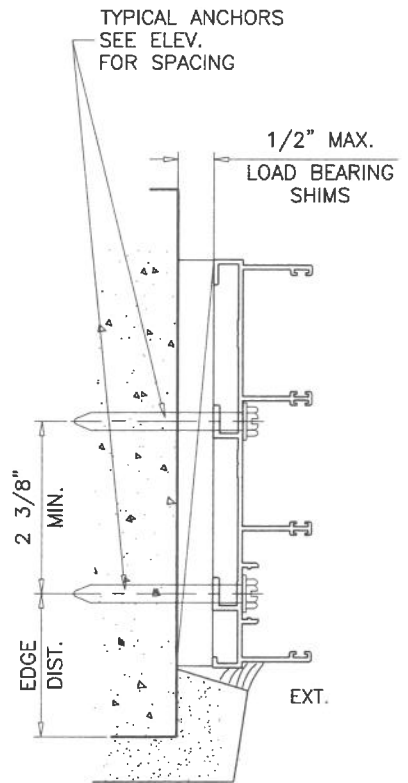
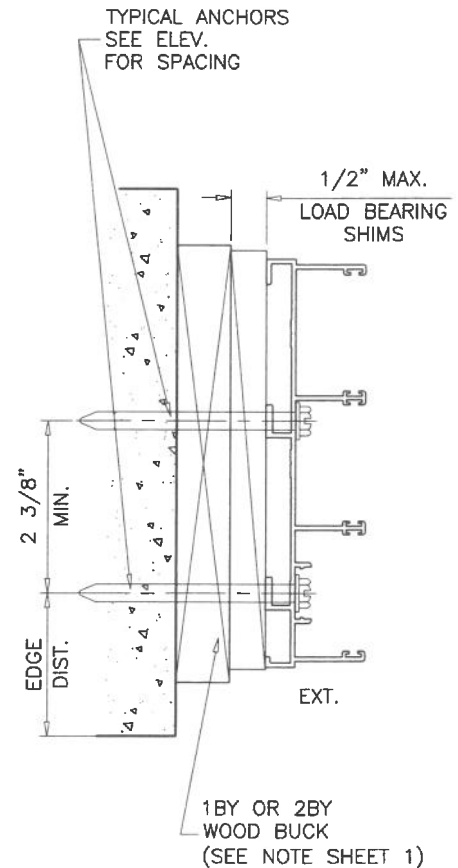
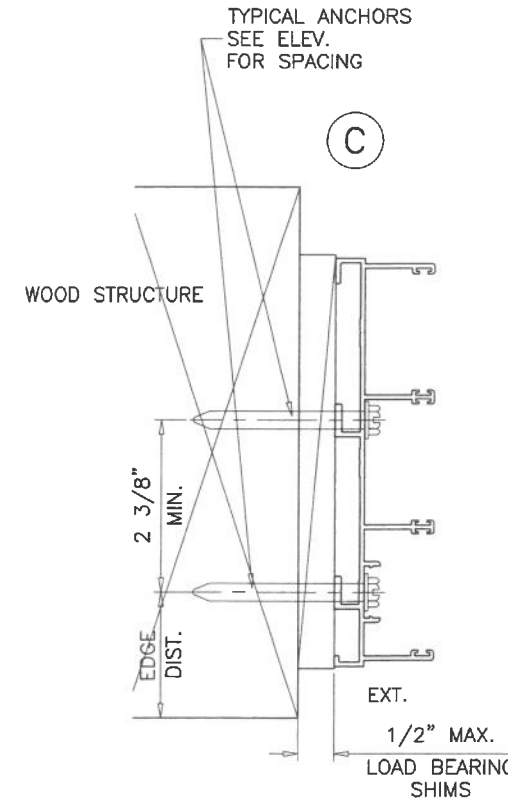
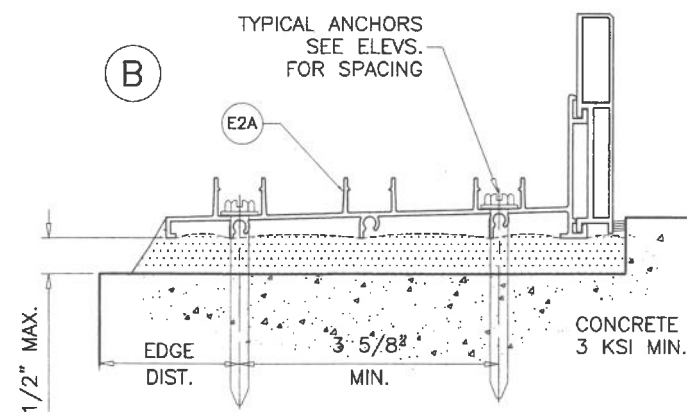
ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)  
**E.S. WINDOWS, LLC**  
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| revisions: | no | date     | description           |
|------------|----|----------|-----------------------|
|            | A  | 09.02.20 | REV. PER RER COMMENTS |
|            | B  | 06.23.21 | NO CHANGE THIS SHEET  |
|            | C  | 08.04.21 | NO CHANGE THIS SHEET  |
|            | D  | 07.06.23 | NO CHANGE THIS SHEET  |
|            | E  | 07.20.26 | NO CHANGE THIS SHEET  |

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 chk. by:  
 drawing no. **20-12D**  
 sheet 17 of 23

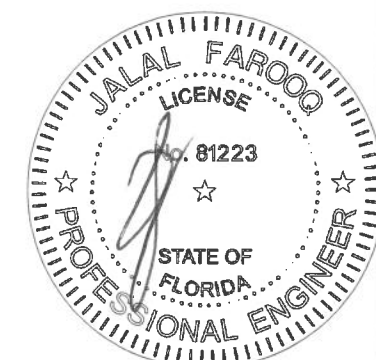


**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. 26-0729.13  
 Expiration Date 07/20/2027  
 By Ishaq I. Chank  
 Miami-Dade Product Control



**3 TRACK FRAMES**  
 ANCHOR LOCATIONS

JUL 24 2026



**AL-FAROOQ CORPORATION**  
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 9360 SUNSET DRIVE, SUITE 220  
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COMP-ANL\20-12D-ES

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ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

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| A  | 09.02.20 | NO CHANGE THIS SHEET     |
| B  | 06.23.21 | SILL RISER REVISED       |
| C  | 08.04.21 | SILL RISER OPTIONS ADDED |
| D  | 07.06.23 | NO CHANGE THIS SHEET     |
| E  | 07.20.26 | NO CHANGE THIS SHEET     |

date: 02-14-20

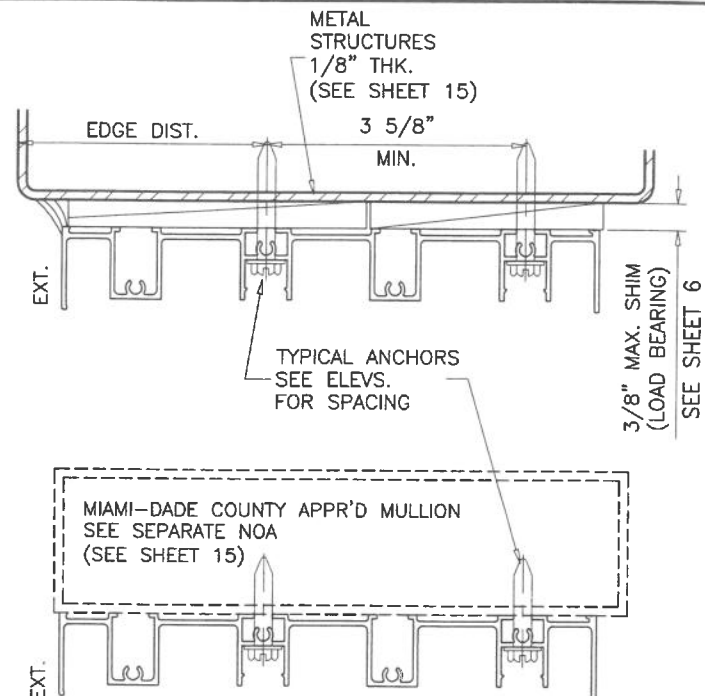
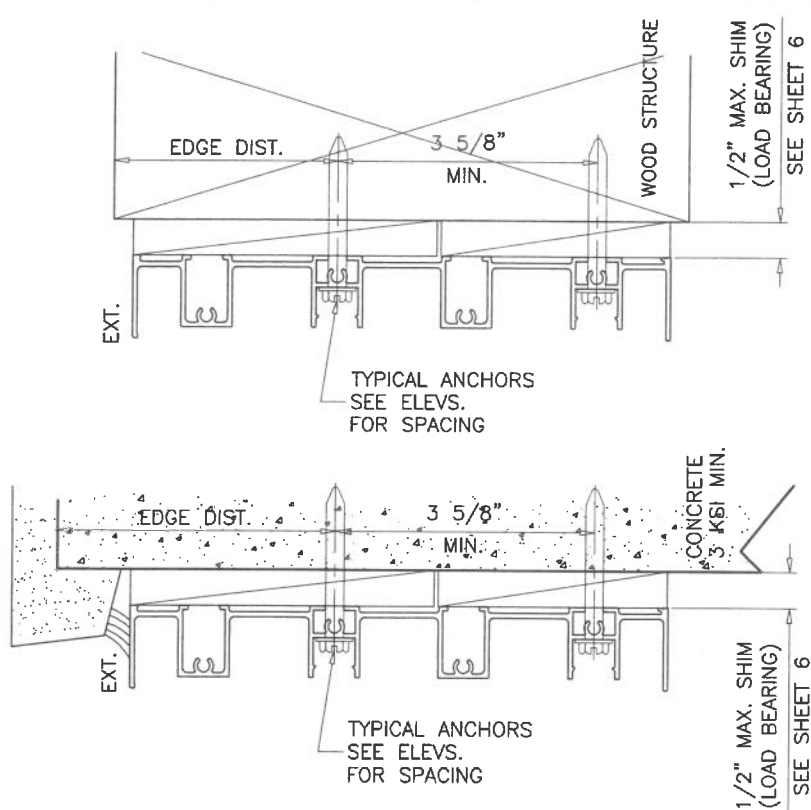
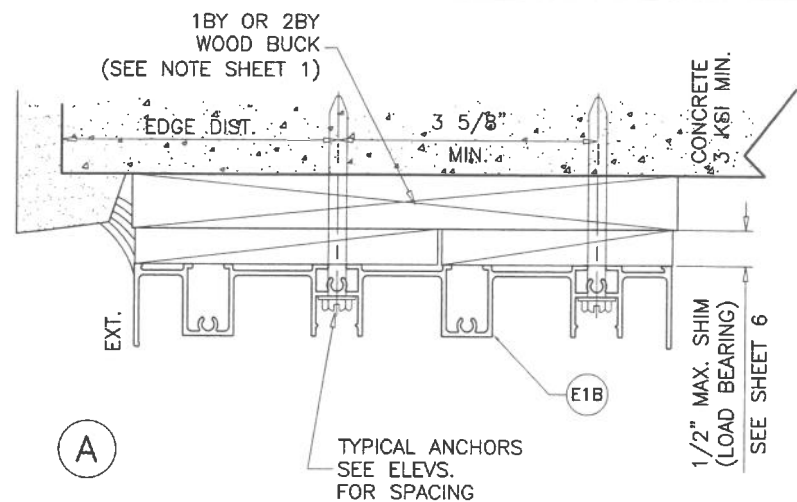
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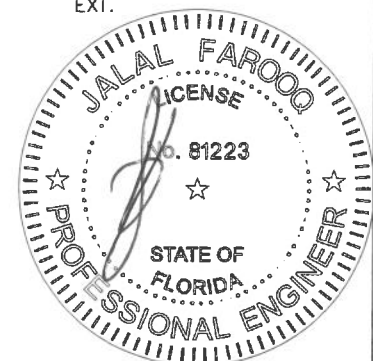
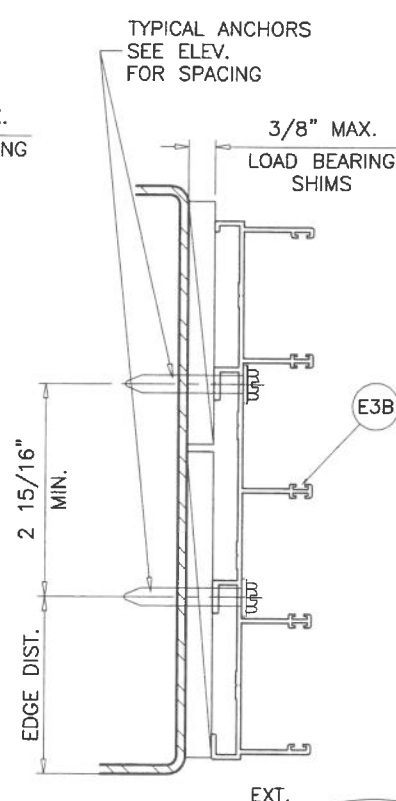
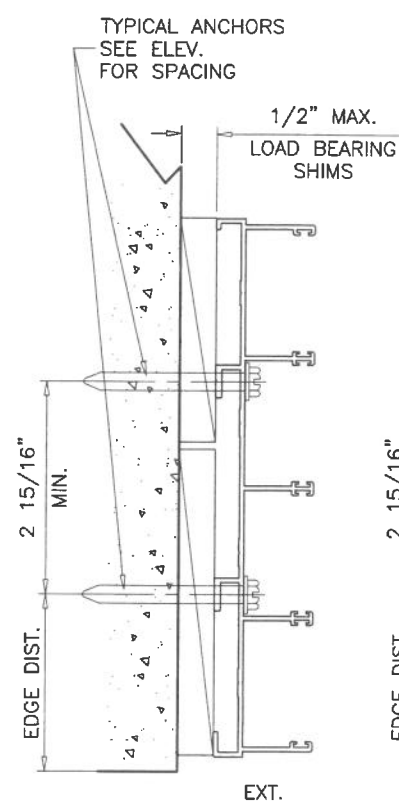
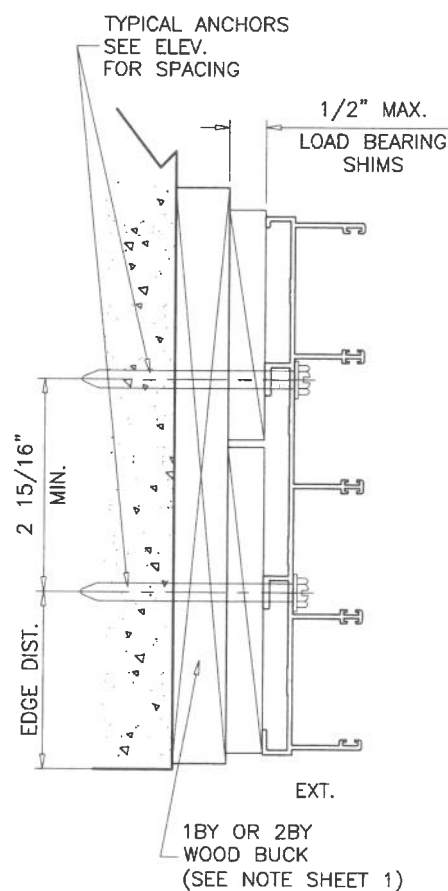
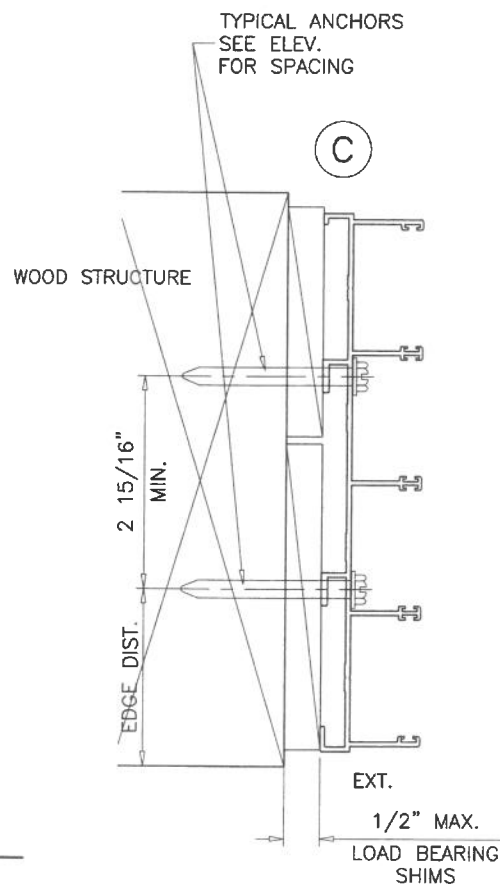
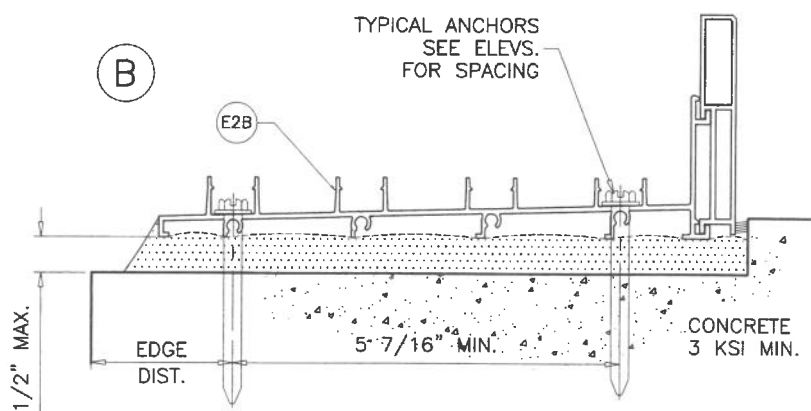
chk. by:

drawing no. 20-12D

sheet 18 of 23



**PRODUCT REVISED**  
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Building Code  
NOA-No. 26-0729.13  
Expiration Date 07/20/2027  
By Ishag I. Chande  
Miami-Dade Product Control



4 TRACK FRAMES  
ANCHOR LOCATIONS

JUL 24 2026

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\20-12D-ES

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

**E.S. WINDOWS, LLC**  
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MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

| no. | date     | description              | by |
|-----|----------|--------------------------|----|
| A   | 09.02.20 | NO CHANGE THIS SHEET     |    |
| B   | 06.23.21 | SILL RISER REVISED       |    |
| C   | 08.04.21 | SILL RISER OPTIONS ADDED |    |
| D   | 07.06.23 | NO CHANGE THIS SHEET     |    |
| E   | 07.20.26 | NO CHANGE THIS SHEET     |    |

date: 02-14-20  
scale: 3/8" = 1"  
dr. by: TARIQ  
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drawing no. 20-12D  
sheet 19 of 23

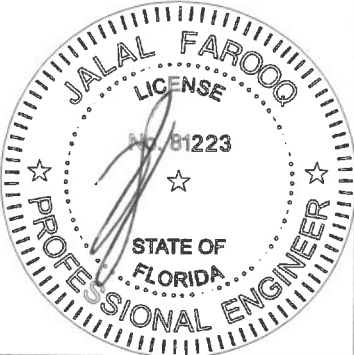
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|--------|-----------------|----------|--------------------------------------------|---------------|------------------------|
| E1     | ES-EL400-001    | 1        | FRAME HEAD (2 TRACK)                       | 6063-T6       | -                      |
| E1A    | ES-EL400-201    | AS REQD. | FRAME HEAD (3 TRACK)                       | 6063-T6       | -                      |
| E1B    | ES-EL400-205    | AS REQD. | FRAME HEAD (4 TRACK)                       | 6063-T6       | -                      |
| E2     | ES-EL400-002    | 1        | FRAME SILL (2 TRACK)                       | 6063-T6       | -                      |
| E2A    | ES-EL400-202    | AS REQD. | FRAME SILL (3 TRACK)                       | 6063-T6       | -                      |
| E2B    | ES-EL400-206    | AS REQD. | FRAME SILL (4 TRACK)                       | 6063-T6       | -                      |
| E3     | ES-EL400-003    | 2        | FRAME JAMB (2 TRACK)                       | 6063-T6       | -                      |
| E3A    | ES-EL400-203    | AS REQD. | FRAME JAMB (3 TRACK)                       | 6063-T6       | -                      |
| E3B    | ES-EL400-207    | AS REQD. | FRAME JAMB (4 TRACK)                       | 6063-T6       | -                      |
| E4     | ES-EL400-004    | 1/ PANEL | TOP RAIL (INSUL. LAM. GLASS)               | 6063-T6       | -                      |
| E5     | ES-EL400-005    | 1/ PANEL | BOTTOM RAIL (INSUL. LAM. GLASS)            | 6063-T6       | -                      |
| E6     | ES-EL400-006    | AS REQD. | JAMB STILE (INSUL. LAM. GLASS)             | 6063-T6       | -                      |
| E8     | ES-EL400-009    | 1/ PANEL | TOP RAIL (LAM. GLASS)                      | 6063-T6       | -                      |
| E9     | ES-EL400-010    | 1/ PANEL | BOTTOM RAIL (LAM. GLASS)                   | 6063-T6       | -                      |
| E10    | ES-EL400-011    | AS REQD. | JAMB STILE (LAM. GLASS)                    | 6063-T6       | -                      |
| E11    | ES-EL400-030    | AS REQD. | INTERLOCK STILE (LAM. GLASS)               | 6063-T6       | -                      |
| E11A   | ES-EL400-031    | AS REQD. | INTERLOCK STILE (INSUL. LAM. GLASS)        | 6063-T6       | -                      |
| E12    | ES-EL400-028    | AS REQD. | ASTRAGAL STILE (LAM. GLASS)                | 6063-T6       | -                      |
| E12A   | ES-EL400-029    | AS REQD. | ASTRAGAL STILE (INSUL. LAM. GLASS)         | 6063-T6       | -                      |
| E13    | ES-EL400-014    | AS REQD. | JAMB COVER                                 | 6063-T5       | -                      |
| E14    | ES-EL400-015    | AS REQD. | POCKET JAMB                                | 6063-T6       | -                      |
| E15    | ES-EL400-016    | AS REQD. | SILL TRACK                                 | 6063-T6       | -                      |
| E16    | ES-EL400-017    | AS REQD. | HEAD COVER                                 | 6063-T5       | -                      |
| E17A   | ES-2020-007     | AS REQD. | SILL RISER                                 | 6063-T6       | -                      |
| E17B   | ES-2020-041     | AS REQD. | ALT. SILL RISER                            | 6063-T6       | -                      |
| E18    | ES-EL400-020    | AS REQD. | FIXED PANEL BOTTOM GUIDE                   | 6063-T6       | -                      |
| E26    | ES-6011         | AS REQD. | SCREW COVER                                | 6063-T6       | -                      |
|        |                 |          |                                            |               |                        |
| M1     | ES-EL400-G01    | 4/ PANEL | GLAZING GASKET (LAM. GLASS)                | SILICONE      | DUROMETER 70±3 SHORE A |
| M2     | ES-EL400-G02    | 4/ PANEL | GLAZING GASKET (INSUL. LAM. GLASS)         | SILICONE      | DUROMETER 70±3 SHORE A |
| M3     | ES2020-G04      | AS REQD. | INTERLOCK BUMPER                           | PVC           | DUROMETER 60±5 SHORE D |
| M4     | W33271NK        | AS REQD. | PILE W'STRIPPING (INTERLOCK)               | WOOL          | -                      |
| M5     | W33181NK        | AS REQD. | PILE W'STRIPPING                           | WOOL          | -                      |
| M6     | PS01-0014       | AS REQD. | DOOR HANDLE                                | DIE CAST ALUM | TWO POINT HANDLE       |
| M7     | PS01-1015       | AS REQD. | STRIKE FOR MORTISE LOCK                    | ST. STEEL     | -                      |
| M8     | PS01-1036       | AS REQD. | MORTISE 2 POINT LOCK                       | ST. STEEL     | -                      |
| M9     | GT-R34/3-01-A   | 2/ PANEL | ROLLER ASSEMBLY                            | ZAMAK         | -                      |
| M10    | 6844.1          | AS REQD. | BUMPER                                     | ALUM/NYLON    | -                      |
| M11    | ES-EL400-FPI SL | 2/ PANEL | FIX. PANEL CLIPS, AT 12" FROM TOP & BOTTOM | 6063-T6       | -                      |
| M12    | #8 X 3/4"       | AS REQD. | KEEPER FASTENERS                           | ST. STEEL     | P.H. SMS               |
| M13    | #10 X 1-1/4"    | AS REQD. | PANEL ASSEMBLY FASTENERS                   | ST. STEEL     | P.H. SMS               |
| M14    | #10 X 1-1/2"    | AS REQD. | FRAME ASSEMBLY FASTENERS                   | ST. STEEL     | P.H. SMS               |
| M15    | #6 X 3/8"       | AS REQD. | FIX. PANEL CLIP FASTENERS                  | ST. STEEL     | P.H. SMS               |
| M16    | #8 X 1/2"       | AS REQD. | FIX. PANEL CLIP FASTENERS                  | ST. STEEL     | F.H. SMS               |
| M18    | #10 X 1/2"      | AS REQD. | ROLLER FASTENERS                           | ST. STEEL     | P.H. SMS               |
| M19    | #10 X 1"        | AS REQD. | LOCK INSTALLATION FASTENERS                | ST. STEEL     | F.H. SMS               |
| M20    | #8 X 1/2"       | AS REQD. | HANDLE INSTALLATION FASTENERS              | ST. STEEL     | F.H. SMS               |
|        |                 |          |                                            |               |                        |

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

PRODUCT REVISED  
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Expiration Date 07/20/2027  
By Ishaq I. Chande  
Miami-Dade Product Control

LOCK:  
SURFACE MOUNT METALLIC HANDLE AT 44" FROM BOTTOM  
FASTENED TO LOCK STILE WITH  
(2) #8 X 1/2" FH SMS (M20)  
SURFACE MOUNT METALLIC 3 PLY DUAL HOOK LOCK  
44" FROM BOTTOM  
FASTENED TO LOCK STILE WITH  
(2) #10 X 1" FH SMS  
SURFACE MOUNT METALLIC KEEPER AT 44" FROM BOTTOM  
FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH  
(3) #8 X 3/4" PH SMS (M12)



JUL 24 2026

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

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)

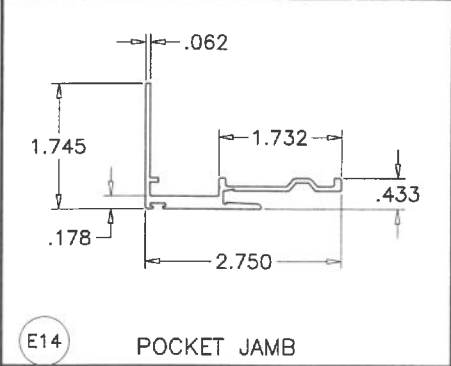
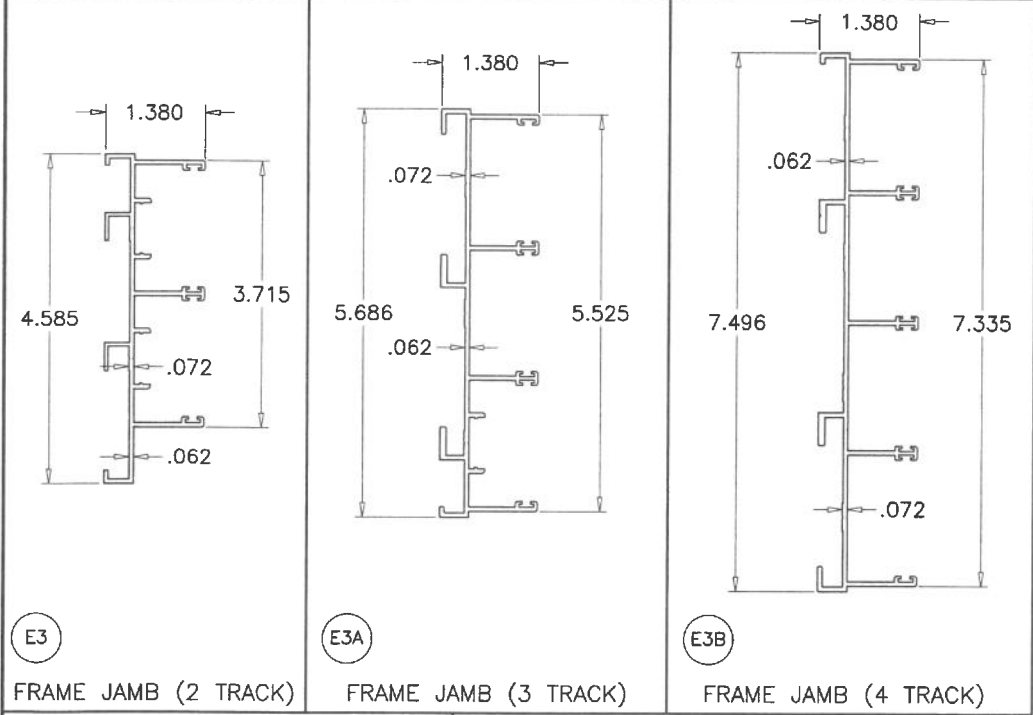
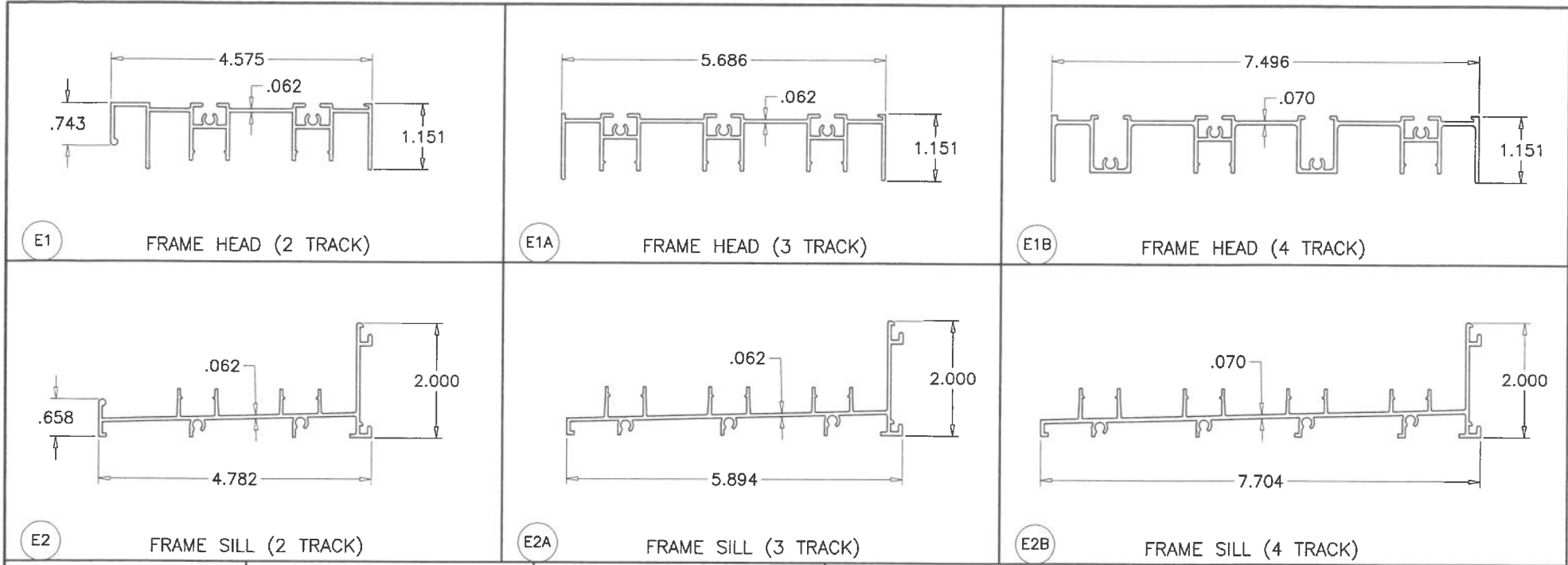
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

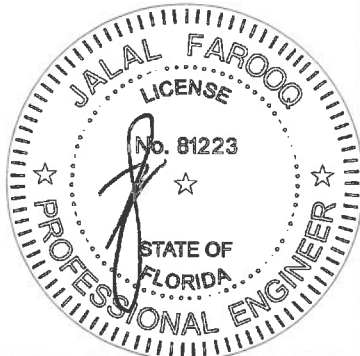
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|----|----------|--------------------------|-------------|
| A  | 09.02.20 | REV. PER RER COMMENTS    |             |
| B  | 06.23.21 | SILL RISER REVISED       |             |
| C  | 08.04.21 | SILL RISER OPTIONS ADDED |             |
| D  | 07.06.23 | NO CHANGE THIS SHEET     |             |
| E  | 07.20.26 | NO CHANGE THIS SHEET     |             |

date: 02-14-20  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**20-12D**  
sheet 20 of 23



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **26-0729.13**  
 Expiration Date **07/20/2027**  
 By Ishag I. Chande  
 Miami-Dade Product Control



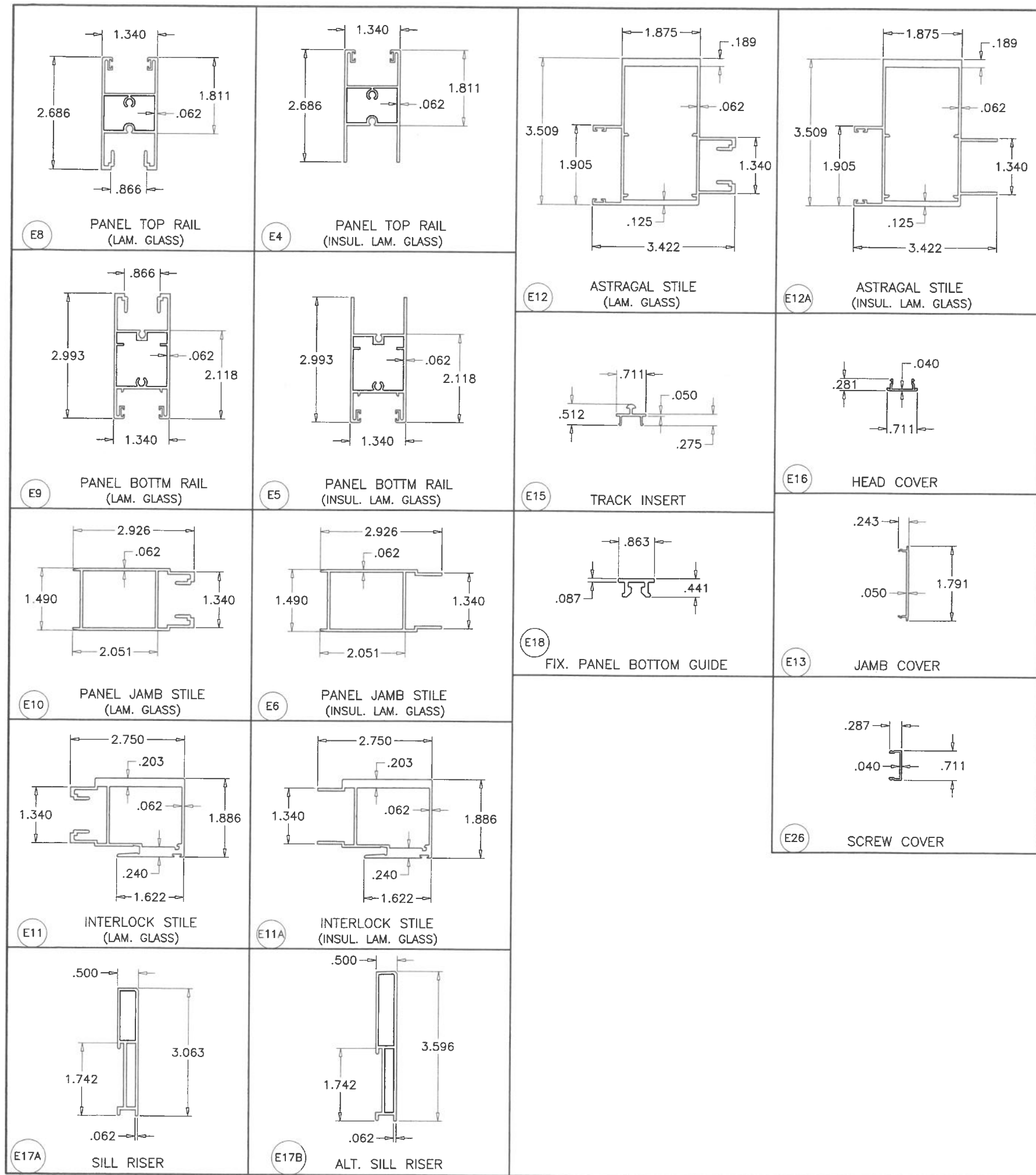
**JUL 24 2026**

**af c**  
**AL-FAROOQ CORPORATION**  
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 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
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 COMP-ANL\20-12D-ES

ES-EL400-10 ALUM SLIDING GLASS DOOR (L.M.I.)  
**E.S. WINDOWS, LLC**  
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| revisions: | no | date     | by | description          |
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|            | C  | 08.04.21 |    | NO CHANGE THIS SHEET |
|            | D  | 07.06.23 |    | NO CHANGE THIS SHEET |
|            | E  | 07.20.26 |    | NO CHANGE THIS SHEET |

date: 02-14-20  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **20-12D**  
 sheet **21** of **23**

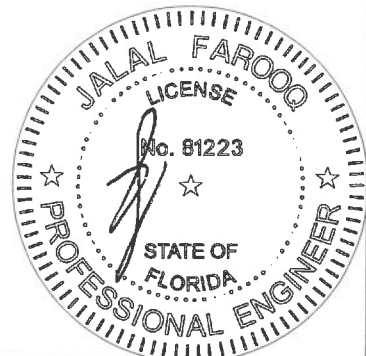


**M1** GLAZING GAKET  
LAM. GLASS

**M2** GLAZING GASKET  
INSUL. LAM. GLASS

MATERIAL = SILICONE  
HARDNESS = 70±3  
TENSILE STRENGTH = 1139 PSI  
ELONGATION AT BREAK = 235%  
TEAR STRENGTH = 107 Lb/IN  
BRITTLENESS TEMPERATURE = -40° F  
COMPRESSION SET = 12.5% (22h@212°F)

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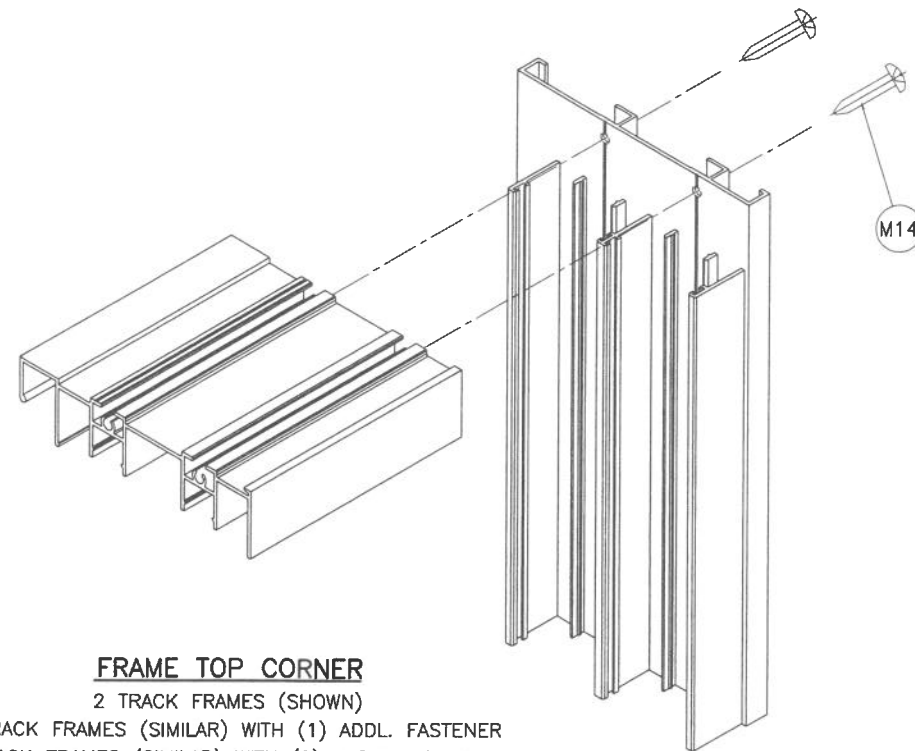
  

|          |           |
|----------|-----------|
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| dr. by:  | TARIQ     |
| chk. by: |           |

|             |          |
|-------------|----------|
| drawing no. | 20-12D   |
| sheet       | 22 of 23 |

COMP-ANL\20-12D-ES

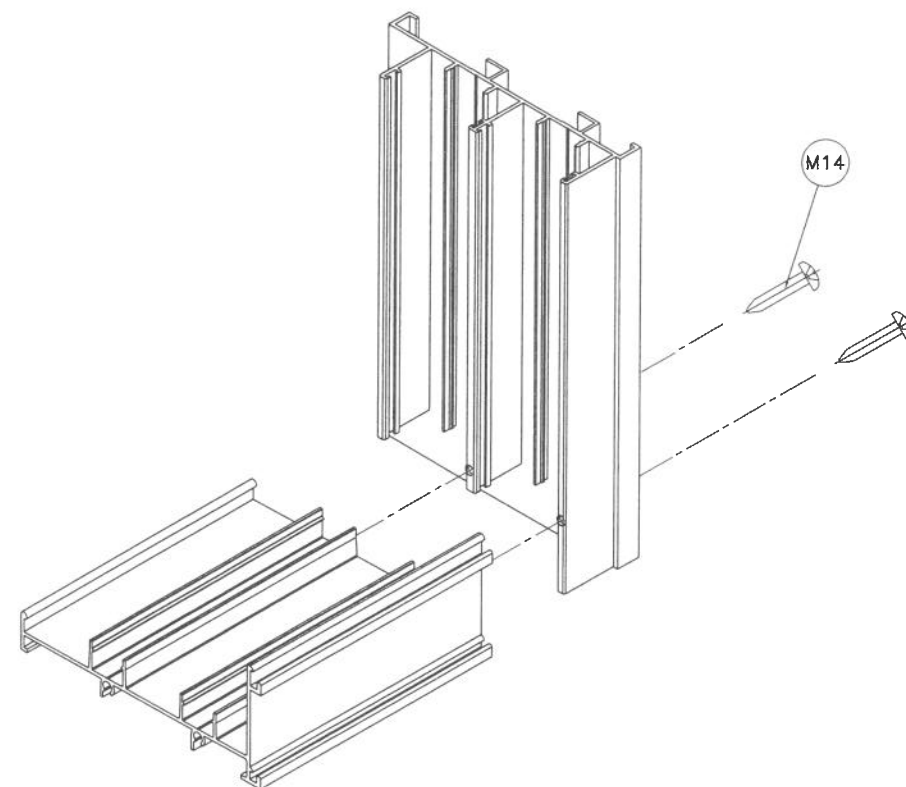


**FRAME TOP CORNER**

2 TRACK FRAMES (SHOWN)

3 TRACK FRAMES (SIMILAR) WITH (1) ADDL. FASTENER

4 TRACK FRAMES (SIMILAR) WITH (2) ADDL. FASTENERS

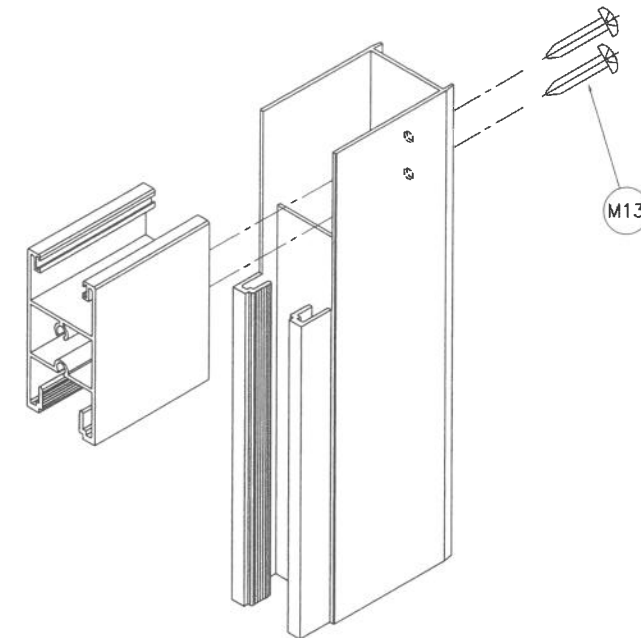


**FRAME BOTTOM CORNER**

2 TRACK FRAMES (SHOWN)

3 TRACK FRAMES (SIMILAR) WITH (1) ADDL. FASTENER

4 TRACK FRAMES (SIMILAR) WITH (2) ADDL. FASTENERS



**PANEL TOP/BOTTOM CORNER**

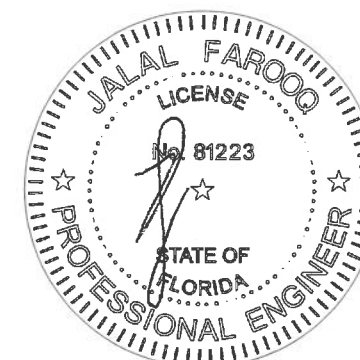
LAM. GLASS RAIL & STILE (SHOWN)

INSUL. LAM. GLASS RAIL & STILE (SIMILAR)

**PRODUCT REVISED**  
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date: 02-14-20

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dr. by: TARIQ

chk. by:

drawing no.  
**20-12D**

sheet 23 of 23