



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

## NOTICE OF ACCEPTANCE (NOA)

E.S. Windows, LLC  
3350 N.W. 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 "6100" Aluminum Sliding Glass Doors 2-tracks (Wet glazed) w/ reinforcements-SMI

**APPROVAL DOCUMENT:** Drawing No. **W07-26 Rev O**, titled "Series -6100 Alum Sliding Glass Door (SMI)", sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on Jun 23, 2021, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Small Missile Impact Resistant

### Limitations:

1. See Design Pressures (DP) Vs reinforcements & glazing options charts in sheets **3**.
2. See Head/ sill anchors capacities charts in sheet **5**. See Jambs anchor spacing Vs DP per sheet **1**.
3. Lower DP sheet 3 or anchor capacity chart, shall control for the entire system.
4. Glass lites wider than 36" shall have two setting blocks per FBC requirements. Max. 3/8" wide Alum spacer.
5. See approved configurations in sheet **2**. Max. Door frame width not to exceed 192" and 120" frame height.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Columbia and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA #21-0628.17** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & E-5, as well as approval document mentioned above.

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



*Ishaq I. Chanda*

NOA No. 23-0207.01  
Expiration Date: June 14, 2028  
Approval Date: March 30, 2023  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted in previous files**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (Submitted under files referenced below)
2. Drawing No. **W07-26 Rev L**, titled "Series -6100 Alum Sliding Glass Door (SMI)", sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on 12/14/15, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2014, 5<sup>th</sup> edition, prepared by Al Farooq Corporation, dated 12/21/15, 12/10/15, 08/13/15, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. for their "Sentry Glass® (Clear and White) Glass Interlayers", expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to Kuraray America, Inc. for their "Butacite® PVB Glass Interlayer", expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014, 5<sup>th</sup> edition and letter of no financial interest, prepared by Al Farooq Corporation, dated 08/13/2015, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

**G. OTHER**

1. This NOA revises NOA #13-1008.04, expiring on 06/14/18

**2. Evidence submitted in previous files**

**A. DRAWINGS**

1. Drawing No. **W07-26 Rev I**, titled "Series -6100 Alum Sliding Glass Door (SMI)", sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on MAR 10, 2014, signed and sealed by Javad Ahmad, P.E.

**B. TESTS (Submitted under files #13-1008.04/ #12-0223.45/ #09-1217.02)**

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) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of OX aluminum sliding glass door, prepared by, prepared by Fenestration Testing Laboratories, Test Report No. **FTL7572 (FTL 10384)** dated 11/03/13, signed and sealed by Marlin D. Brinson, P.E.

Ishaq I. Chanda  
Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 23-0207.01  
Expiration Date: June 14, 2028  
Approval Date: March 30, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (continue):**

2. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of OXXX aluminum sliding glass door, prepared by, prepared by Fenestration Testing Laboratories, Test Report No. **FTL- 6293 (FTL 10063)**, dated 10/15/10 and **FTL- 5669 (FTL 08057)**, signed and sealed by Jorge A. Causo, P.E. and Michael Wenzel, P.E. respectively. (Submitted under files # **09-1217.02/#12-0223.45**)

2. Additional Test reports (transferred from file # **07-0828.08**)
  - 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) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of aluminum SGD, prepared by Fenestration Testing Laboratories, Test Report No. **FTL- 5076(FTL06165)**, dated 02/22/07, **FTL- 5157(FTL061116)**, dated 02/14/07 and **FTL- 5158(FTL061115)** dated 02/13/07, all signed and sealed by Michael Wenzel, P.E.

(The test report No. **FTL- 5076** has been revised an addendum letter dated July 10, 2007, issued by Fenestration testing lab, signed & sealed by Carlos S. Roinda, P. E.)

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 03/06/14, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont De Nemours & Co., Inc. for their “**DuPont Sentry Glass ® Interlayer**”, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont De Nemours & Co., Inc. for their “**DuPont Butacite PVB ® Interlayer**”, expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared by Al Farooq Corporation, dated 10/02/13, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0207.01**  
**Expiration Date: June 14, 2028**  
**Approval Date: March 30, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (continue)**

3. E-mail dated Nov 14, 2013, issued by Fenestration Testing Lab for Test report # FTL 6293 for part# ES-6023 height confirmation being 3.5", signed by Ms. Lliana Sanchez.
4. Distribution agreement dated 03/05/14 between ES Windows, LLC and Energia Solar SA, Colombia, signed by Andres Chamorro (Gen MGR) and Clara Garcia (Sales MGR), respectively on behalf of their companies.

**G. OTHER**

1. This NOA revises & renews NOA # **09-1217.02 & 12-0223.45**, expiring on 06/14/14.
2. Test proposals, # 11-0843 dated July 20, 2011, # 10-0466, dated 07-04-10, # 08-0847, dated 06-24-08 and # 06-0305, dated 07/18/06 approved by BCCO.
3. Additional reference NOA file # 13-1007.03 (Series 6100 Alum SGD w/ reinf (Dry glazed)).
4. Previous associated NOA(s) files are #12-0223.45, #09-1217.02, #07-0828.08 and #07-0411.12.

**3. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No. **W07-26 Rev N**, titled "Series -6100 Alum Sliding Glass Door (SMI)", sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on SEP 04, 2018, signed and sealed by Javad Ahmad, P.E.

**B. Test**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 03/06/14, signed and sealed by Javad Ahmad, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc.(Former E.I. DuPont DE Nemours) for the "**Sentry Glass ® clear & white interlayer**", expiring on 07/04/23.
2. Notice of Acceptance No. **16-1117.01** issued to Kuraray America., Inc. for their "**Trosifol ® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/19.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) and "No financial interest" dated 01/12/18, prepared by the manufacturer, signed and sealed by Javad Ahmad, P.E.

**G. OTHER**

1. This NOA revises & renews NOA(s) #**15-0430.02 (#13-1008.04)**, expiring 06/14/2023.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0207.01**  
**Expiration Date: June 14, 2028**  
**Approval Date: March 30, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No. **W07-26 Rev O**, titled “Series -6100 Alum Sliding Glass Door (SMI)”, sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on Jun 23, 2021, signed and sealed by Jalal Farooq, P.E.

**B. Test**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2020, prepared by Al Farooq Corporation, dated May 17, 2021, 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. **17-0808.02** issued to Kuraray America, Inc.(Former E.I. DuPont DE Nemours) for the “**Sentry Glass ® clear & white interlayer**”, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and “No financial interest” dated 05/17/21, prepared by the manufacturer, signed and sealed by Jalal Farooq, P.E.

**G. OTHER**

1. This NOA revises #18-0129.06, expiring 06/14/2023.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0207.01**  
**Expiration Date: June 14, 2028**  
**Approval Date: March 30, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. New Evidence submitted.**

**A. DRAWINGS**

1. Drawing No. **W07-26 Rev O**, titled “Series -6100 Alum Sliding Glass Door (SMI)”, sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 04-04-07 and last revised on Jun 23, 2021, signed and sealed by Jalal Farooq, P.E.

Note: This is a renewal with no changes.

**B. Test**

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. **17-0808.02** issued to Kuraray America, Inc.(Former E.I. DuPont DE Nemours) for the “**Sentry Glass ® clear & white interlayer**”, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and “No financial interest” dated 02/03/23, prepared by the manufacturer, signed and sealed by Jalal Farooq, P.E.

**G. OTHER**

1. This NOA **renews #21-0628.17**, expiring 06/14/2028.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-0207.01**  
**Expiration Date: June 14, 2028**  
**Approval Date: March 30, 2023**

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01  
Expiration Date 06/14/2028  
By Ishag I. Chande  
Miami-Dade Product Control

DAYLITE OPENINGS:  
D.L.O. HEIGHT = PANEL HEIGHT - 7.000"  
D.L.O. WIDTH = PANEL WIDTH - 6.937"  
PANEL HEIGHT = DOOR FRAME HEIGHT - 1.375"

**SERIES-6100 ALUMINUM SLIDING GLASS DOOR**

SEE SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE GLASS TYPE AND REINFORCING OPTION.

USING CHART ON SHEET 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CAPACITY (REINFORCING OPTION/GLASS TYPE) OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

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

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

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

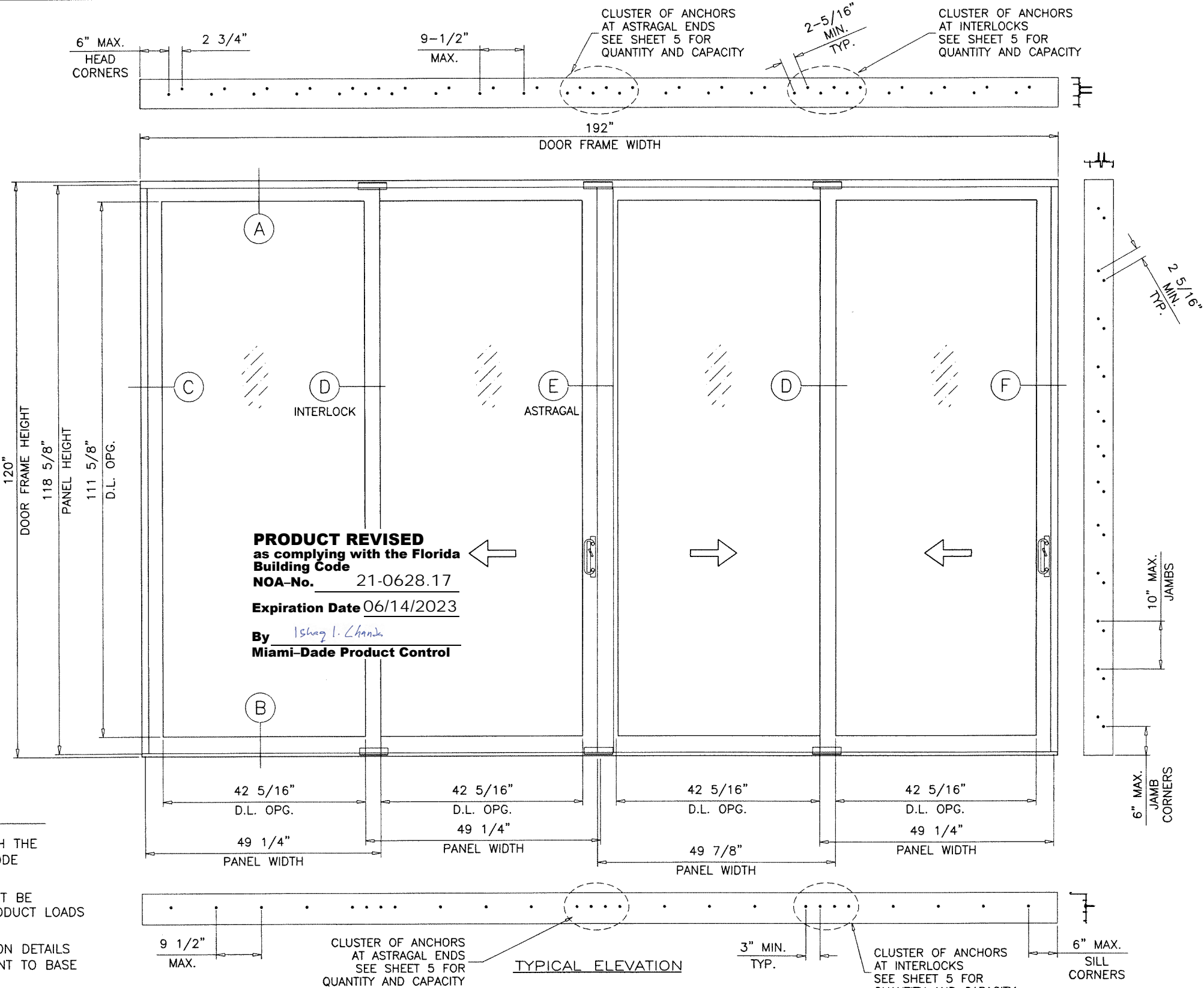
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

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

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

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

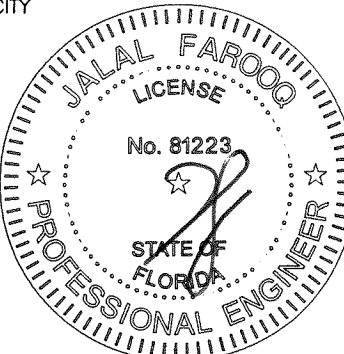


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 21-0628.17  
Expiration Date 06/14/2023  
By Ishag I. Chande  
Miami-Dade Product Control

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT.  
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS  
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.  
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

INSUL. LAMINATED GLASS  
WET GLAZED



JUN 23 2021

**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

SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

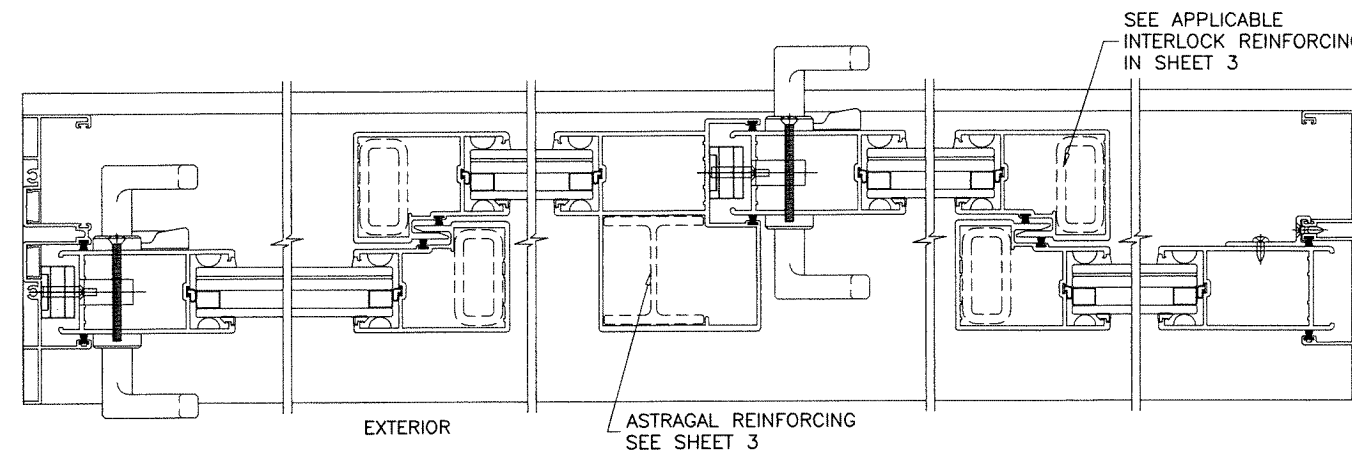
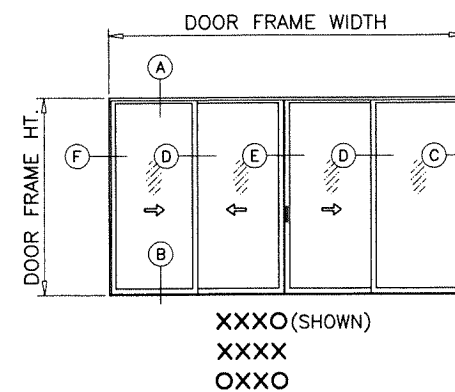
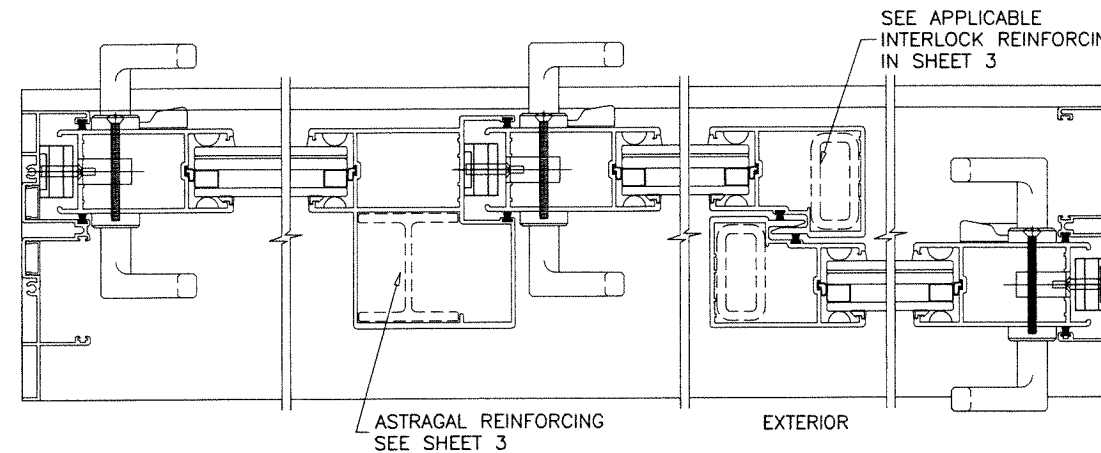
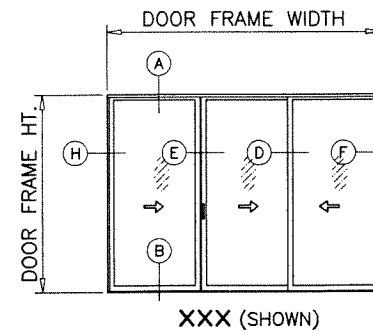
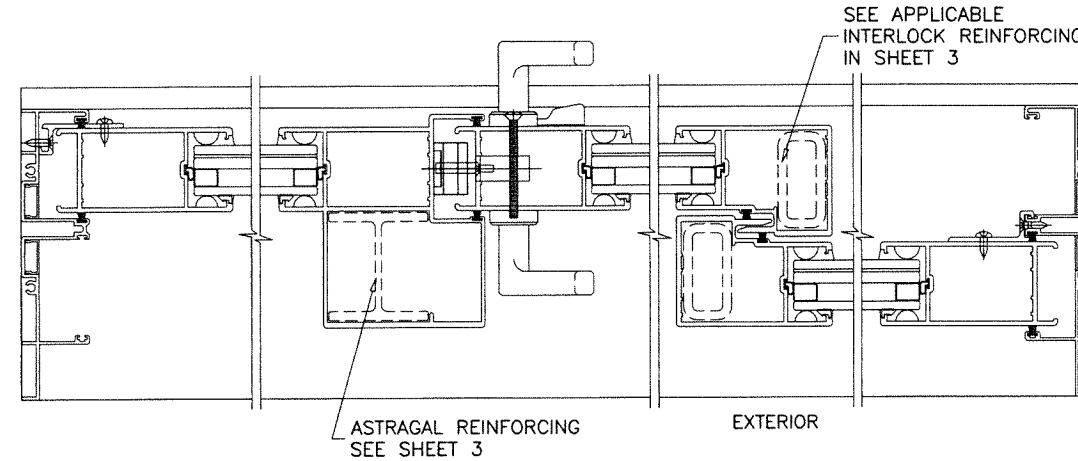
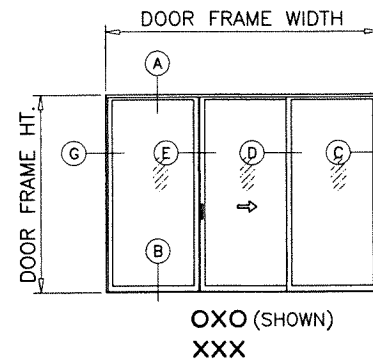
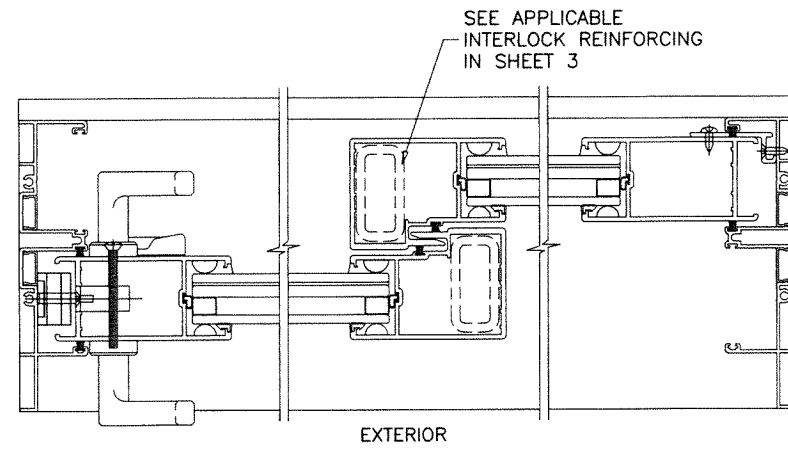
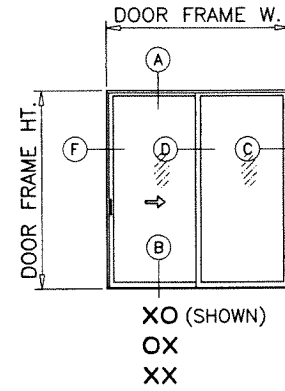
| no | date     | by                    | description |
|----|----------|-----------------------|-------------|
| L  | 12.14.15 | REV. PER RER COMMENTS |             |
| M  | 01.15.18 | 3 TRACK OPTION ADDED  |             |
| N  | 05.11.18 | REV. PER RER COMMENTS |             |
| O  | 06.21.21 | UPDATED TO 2020 FBC   |             |

date: 04-04-07  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-26**

sheet 1 of 12

COMP-ANL\W07-26ES



NOTE:  
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE  
SEE APPLICABLE DESIGN PRESSURE & SIZE IN  
SHEET 3 AND ANCHOR INSTALLATION IN SHEET 5.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01

Expiration Date 06/14/2028

By Ishaq I. Chande  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
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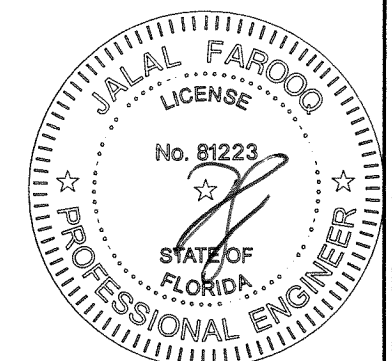
Expiration Date 06/14/2023

By Ishaq I. Chande  
Miami-Dade Product Control

APPROVED CONFIGURATIONS

MAX. OVERALL DOOR FRAME AREA NOT TO EXCEED 160 SQ. FT.

JUN 23 2021



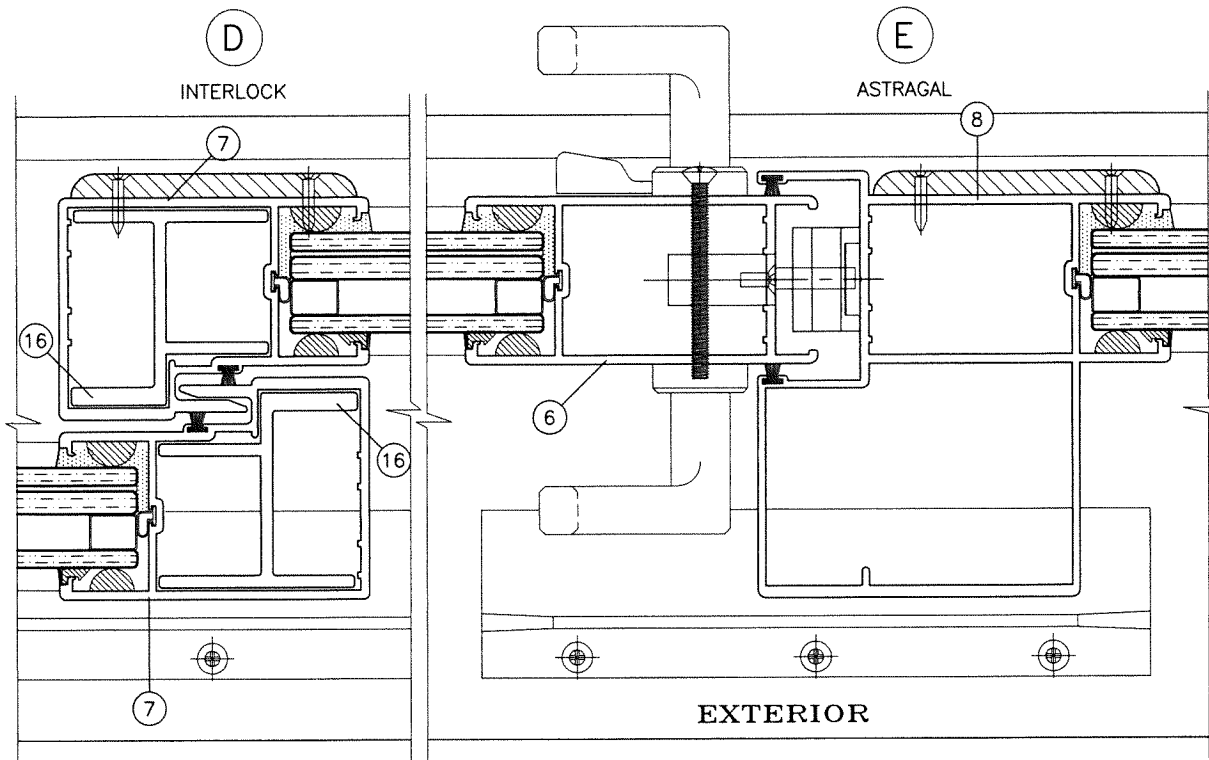
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W07-26ES

SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

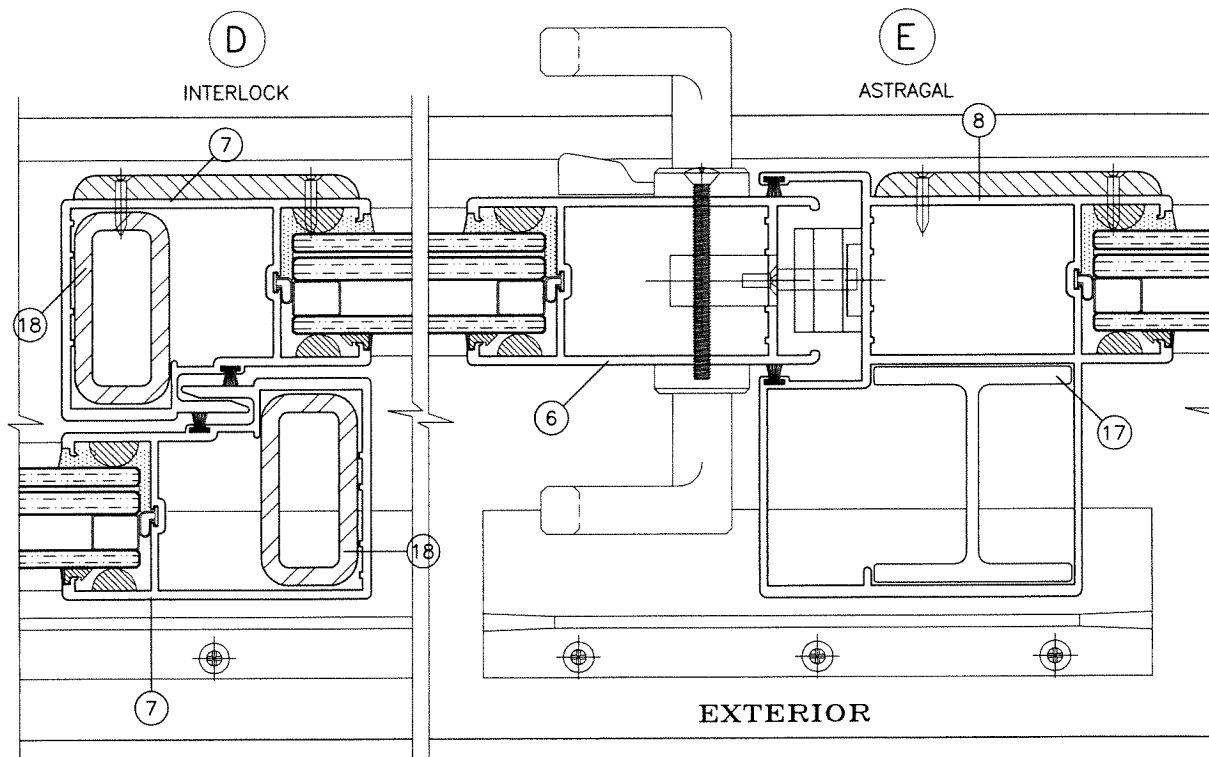
| revisions: | no. | date     | by | description           |
|------------|-----|----------|----|-----------------------|
|            | L   | 12.14.15 |    | NO CHANGE THIS SHEET  |
|            | M   | 01.15.18 |    | 3 TRACK OPTION ADDED  |
|            | N   | 05.11.18 |    | REV. PER RER COMMENTS |
|            | O   | 06.21.21 |    | EDITORIAL CHANGES     |

|                    |          |               |          |
|--------------------|----------|---------------|----------|
| date: 04-04-07     | scale: - | dr. by: TARIQ | chk. by: |
| drawing no. W07-26 |          |               |          |
| sheet 2 of 12      |          |               |          |



**REINFORCING OPTION #3**  
ALUMINUM REINFORCING AT INTERLOCK



**REINFORCING OPTION #4**  
STEEL REINFORCING AT INTERLOCK  
ALUMINUM REINFORCING AT ASTRAGAL

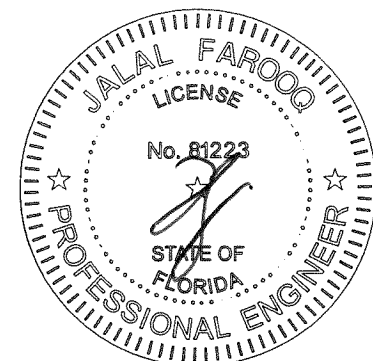
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01  
Expiration Date 06/14/2028  
By Ishag I. Chande  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 21-0628.17  
Expiration Date 06/14/2023  
By Ishag I. Chande  
Miami-Dade Product Control

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

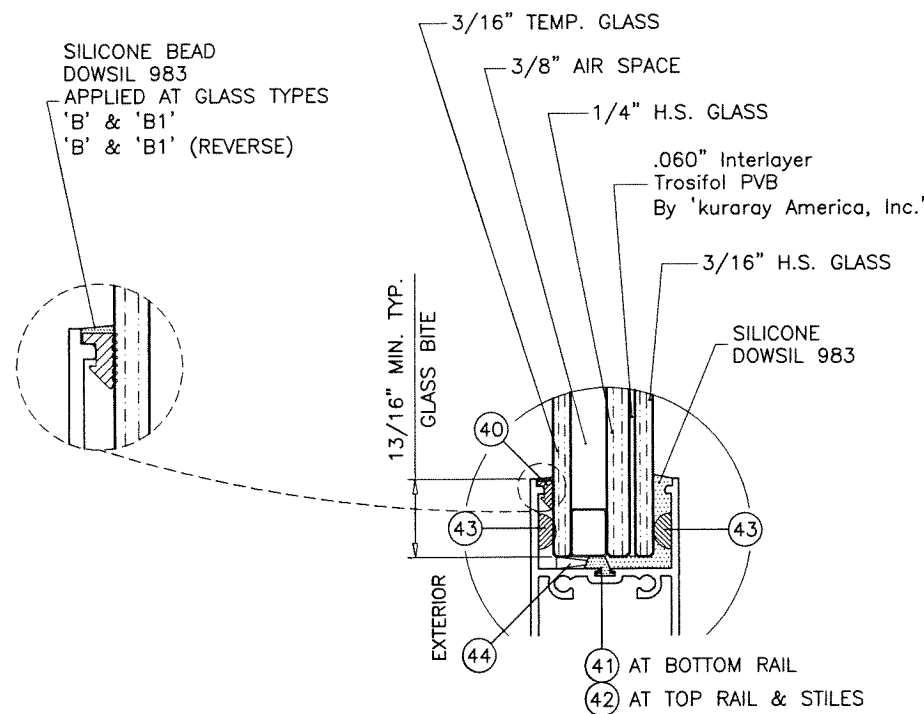
| DESIGN LOAD CAPACITY - PSF<br>INSULATED LAMINATED GLASS TYPES 'B' & 'B1' |                       |                  |         |                  |         |
|--|-----------------------|------------------|---------|------------------|---------|
| PANEL WIDTH<br>NOMINAL<br>INCHES   | DOOR HEIGHT<br>INCHES | REINF. OPTION #3 |         | REINF. OPTION #4 |         |
|  |                       | EXT.(+)          | INT.(-) | EXT.(+)          | INT.(-) |
| 30   | 82                    | 85.0             | 145.0   | 85.0             | 145.0   |
| 36   |                       | 85.0             | 145.0   | 85.0             | 145.0   |
| 42   |                       | 85.0             | 145.0   | 85.0             | 145.0   |
| 44   |                       | 85.0             | 145.0   | 85.0             | 145.0   |
| 48   |                       | 85.0             | 140.0   | 85.0             | 145.0   |
| 54   |                       | -                | -       | 85.0             | 111.0   |
| 60   |                       | -                | -       | 85.0             | 100.0   |
| 30   | 96                    | 85.0             | 145.0   | 85.0             | 145.0   |
| 36   |                       | 85.0             | 145.0   | 85.0             | 145.0   |
| 42   |                       | -                | -       | 85.0             | 125.0   |
| 44   |                       | -                | -       | 85.0             | 125.0   |
| 48   |                       | -                | -       | 85.0             | 125.0   |
| 54   |                       | -                | -       | 85.0             | 111.0   |
| 60   |                       | -                | -       | 85.0             | 100.0   |
| 30   | 102                   | 85.0             | 145.0   | 85.0             | 125.0   |
| 36   |                       | 85.0             | 145.0   | 85.0             | 125.0   |
| 42   |                       | -                | -       | 85.0             | 125.0   |
| 44   |                       | -                | -       | 85.0             | 125.0   |
| 48   |                       | -                | -       | 85.0             | 125.0   |
| 54   |                       | -                | -       | 85.0             | 111.0   |
| 30   | 108                   | 85.0             | 145.0   | 85.0             | 145.0   |
| 36   |                       | 85.0             | 145.0   | 85.0             | 145.0   |
| 42   |                       | -                | -       | 85.0             | 125.0   |
| 44   |                       | -                | -       | 85.0             | 125.0   |
| 48   | 114                   | -                | -       | 85.0             | 110.0   |
| 30   |                       | -                | -       | 85.0             | 110.0   |
| 36   |                       | -                | -       | 85.0             | 110.0   |
| 42   |                       | -                | -       | 85.0             | 110.0   |
| 44   | 120                   | -                | -       | 85.0             | 110.0   |
| 48   |                       | -                | -       | 85.0             | 110.0   |
| 30   |                       | -                | -       | 85.0             | 110.0   |
| 36   |                       | -                | -       | 85.0             | 110.0   |

SEE SHEET 4 FOR GLASS TYPES 'B' & 'B1'

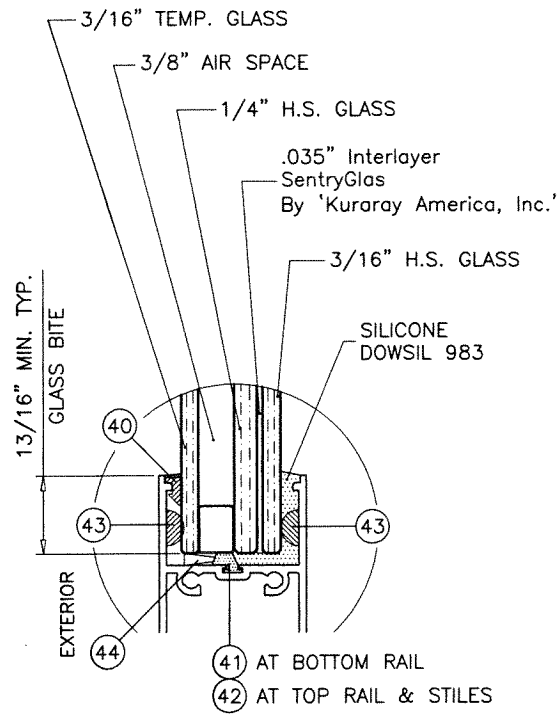


|  |          |  |           |                       |
|--|----------|--|-----------|-----------------------|
| <b>AL-FAROOQ CORPORATION</b><br>ENGINEERS & PRODUCT DEVELOPMENT<br>9360 SUNSET DRIVE, SUITE 220<br>MIAMI, FLORIDA 33173 (C.A.N. 3538)<br>TEL. (305) 264-8100 FAX. (305) 262-6978 |          | SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)<br><b>E.S. WINDOWS, LLC</b><br>3550 N.W. 49 STREET<br>MIAMI, FL. 33142<br>TEL. (305) 638-5151 FAX. (305) 638-5158 |           |                       |
| revisions:   | no.      | date   | by        | description           |
|  | L        | 12.14.15   |           | NO CHANGE THIS SHEET  |
|  | M        | 01.15.18   |           | 3 TRACK OPTION ADDED  |
|  | N        | 05.11.18   |           | REV. PER PER COMMENTS |
|  | O        | 06.21.21   |           | EDITORIAL CHANGES     |
| date:  | 04-04-07 | scale:   | 1/2" = 1" |                       |
| dr. by:  | TARIQ    | chk. by:   |           |                       |
| drawing no.  | W07-26   |  |           |                       |
| sheet  | 3 of 12  |  |           |                       |

JUN 23 2021

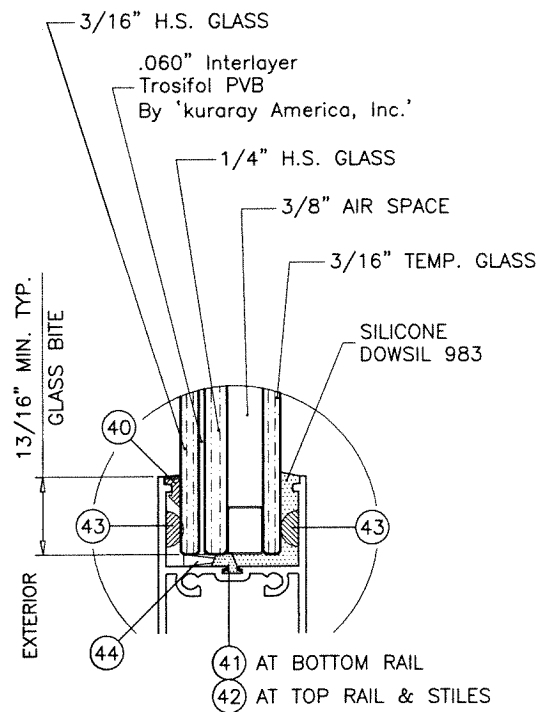


GLASS TYPE 'B'

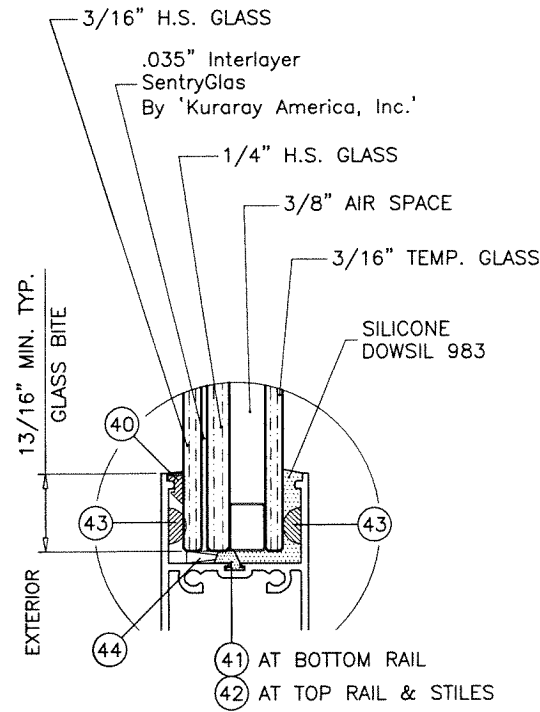


GLASS TYPE 'B1'

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01  
Expiration Date 06/14/2028  
By *Ishaq I. Chande*  
Miami-Dade Product Control



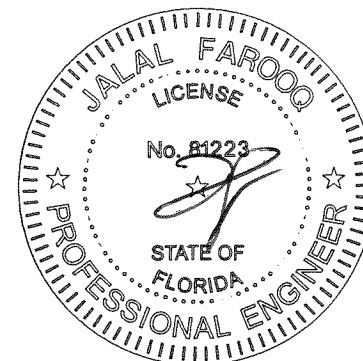
GLASS TYPE 'B' (REVERSE)



GLASS TYPE 'B1' (REVERSE)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 21-0628.17  
Expiration Date 06/14/2023  
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



| <b>AL-FAROOQ CORPORATION</b><br>ENGINEERS & PRODUCT DEVELOPMENT<br>9360 SUNSET DRIVE, SUITE 220<br>MIAMI, FLORIDA 33173<br>TEL. (305) 264-8100 FAX. (305) 262-6978<br>COMP-ANL W07-26ES |  |     |                       |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
|---|--|-----|-----------------------|----|-------------|---|----------|--|----------------------|---|----------|--|----------------------|---|----------|--|-----------------------|---|----------|--|-------------------|
| SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)<br><b>E.S. WINDOWS, LLC</b><br>3550 N.W. 49 STREET<br>MIAMI, FL. 33142<br>TEL. (305) 638-5151 FAX. (305) 638-5158                          |  |     |                       |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| date: 04-04-07<br>scale: 1/2" = 1"<br>dr. by: TARIQ<br>chk. by:   | revisions:<br><table border="1"> <thead> <tr> <th>no.</th> <th>date</th> <th>by</th> <th>description</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>12.14.15</td> <td></td> <td>NO CHANGE THIS SHEET</td> </tr> <tr> <td>M</td> <td>01.15.18</td> <td></td> <td>3 TRACK OPTION ADDED</td> </tr> <tr> <td>N</td> <td>05.11.18</td> <td></td> <td>REV. PER RER COMMENTS</td> </tr> <tr> <td>O</td> <td>06.21.21</td> <td></td> <td>EDITORIAL CHANGES</td> </tr> </tbody> </table> | no. | date                  | by | description | L | 12.14.15 |  | NO CHANGE THIS SHEET | M | 01.15.18 |  | 3 TRACK OPTION ADDED | N | 05.11.18 |  | REV. PER RER COMMENTS | O | 06.21.21 |  | EDITORIAL CHANGES |
| no.   | date   | by  | description           |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| L   | 12.14.15   |     | NO CHANGE THIS SHEET  |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| M   | 01.15.18   |     | 3 TRACK OPTION ADDED  |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| N   | 05.11.18   |     | REV. PER RER COMMENTS |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| O   | 06.21.21   |     | EDITORIAL CHANGES     |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |
| drawing no.<br><b>W07-26</b><br>sheet 4 of 12   |  |     |                       |    |             |   |          |  |                      |   |          |  |                      |   |          |  |                       |   |          |  |                   |

JUN 23 2021

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— AT HEAD —

TYPE 'A'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONCRETE  
1-1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE  
1-1/2" MIN. EMBED

TYPE 'C'— #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

— AT SILL —

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

— AT JAMBS —

TYPE 'A'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONC. OR BLOCKS  
1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

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

TYPE 'C'— #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

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

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

| HEAD ANCHOR LOAD CAPACITY - PSF |                          |                              |          |                              |          |                              |          |                              |          |
|---------------------------------|--------------------------|------------------------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|
| ANCHOR TYPE                     |                          | ANCHOR TYPE 'A'              |          |                              |          | ANCHOR 'B'                   |          | ANCHOR 'C'                   |          |
| AVERAGE PANEL WIDTH INCHES      | DOOR FRAME HEIGHT INCHES | 6 ANCHORS AT MTG. STILE ENDS |          | 7 ANCHORS AT MTG. STILE ENDS |          | 6 ANCHORS AT MTG. STILE ENDS |          | 6 ANCHORS AT MTG. STILE ENDS |          |
|                                 |                          | EXT. (+)                     | INT. (-) | EXT. (+)                     | INT. (-) | EXT. (+)                     | INT. (-) | EXT. (+)                     | INT. (-) |
| 30                              | 82                       | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 36                              |                          | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 42                              |                          | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 44                              |                          | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 48                              |                          | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 54                              |                          | 85.0                         | 111.0    | 85.0                         | 111.0    | 85.0                         | 111.0    | 85.0                         | 111.0    |
| 60                              |                          | 85.0                         | 100.0    | 85.0                         | 100.0    | 85.0                         | 100.0    | 85.0                         | 100.0    |
| 30                              | 96                       | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 36                              |                          | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 42                              |                          | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 44                              |                          | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 48                              |                          | 85.0                         | 118.0    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 54                              |                          | 85.0                         | 109.4    | 85.0                         | 111.0    | 85.0                         | 111.0    | 85.0                         | 111.0    |
| 60                              |                          | 85.0                         | 100.0    | 85.0                         | 100.0    | 85.0                         | 100.0    | 85.0                         | 100.0    |
| 30                              | 102                      | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 36                              |                          | 85.0                         | 134.9    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 42                              |                          | 85.0                         | 119.9    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 44                              |                          | 85.0                         | 115.9    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 48                              |                          | 85.0                         | 108.9    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 54                              |                          | 85.0                         | 100.7    | 85.0                         | 111.0    | 85.0                         | 111.0    | 85.0                         | 111.0    |
| 30                              | 108                      | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 36                              |                          | 85.0                         | 125.9    | 85.0                         | 145.0    | 85.0                         | 145.0    | 85.0                         | 145.0    |
| 42                              |                          | 85.0                         | 111.6    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 44                              |                          | 85.0                         | 107.8    | 85.0                         | 125.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 48                              |                          | 85.0                         | 101.1    | 85.0                         | 118.0    | 85.0                         | 125.0    | 85.0                         | 125.0    |
| 30                              | 114                      | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 36                              |                          | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 42                              |                          | 85.0                         | 104.4    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 44                              |                          | 85.0                         | 100.7    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 48                              |                          | 85.0                         | 94.4     | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 30                              | 120                      | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 36                              |                          | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 42                              |                          | 85.0                         | 98.1     | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 44                              |                          | 85.0                         | 94.6     | 85.0                         | 110.0    | 85.0                         | 110.0    | 85.0                         | 110.0    |
| 48                              |                          | 85.0                         | 88.5     | 85.0                         | 103.3    | 85.0                         | 110.0    | 85.0                         | 110.0    |

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 21-0628.17

Expiration Date 06/14/2023

By Ishaq I. Chande  
Miami-Dade Product Control

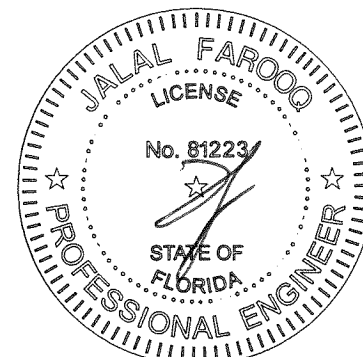
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01

Expiration Date 06/14/2028

By Ishaq I. Chande  
Miami-Dade Product Control

NOTE:  
SEE SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.  
USING CHART ON THIS SHEET SELECT ANCHOR OPTION WITH DESIGN RATING  
MORE THAN DESIGN LOADS REQUIRED.  
LOWER DESIGN PRESSURES FROM GLASS OR HEAD OR SILL ANCHOR CHARTS  
WILL APPLY TO ENTIRE SYSTEM.

JUN 23 2021



**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)

SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)

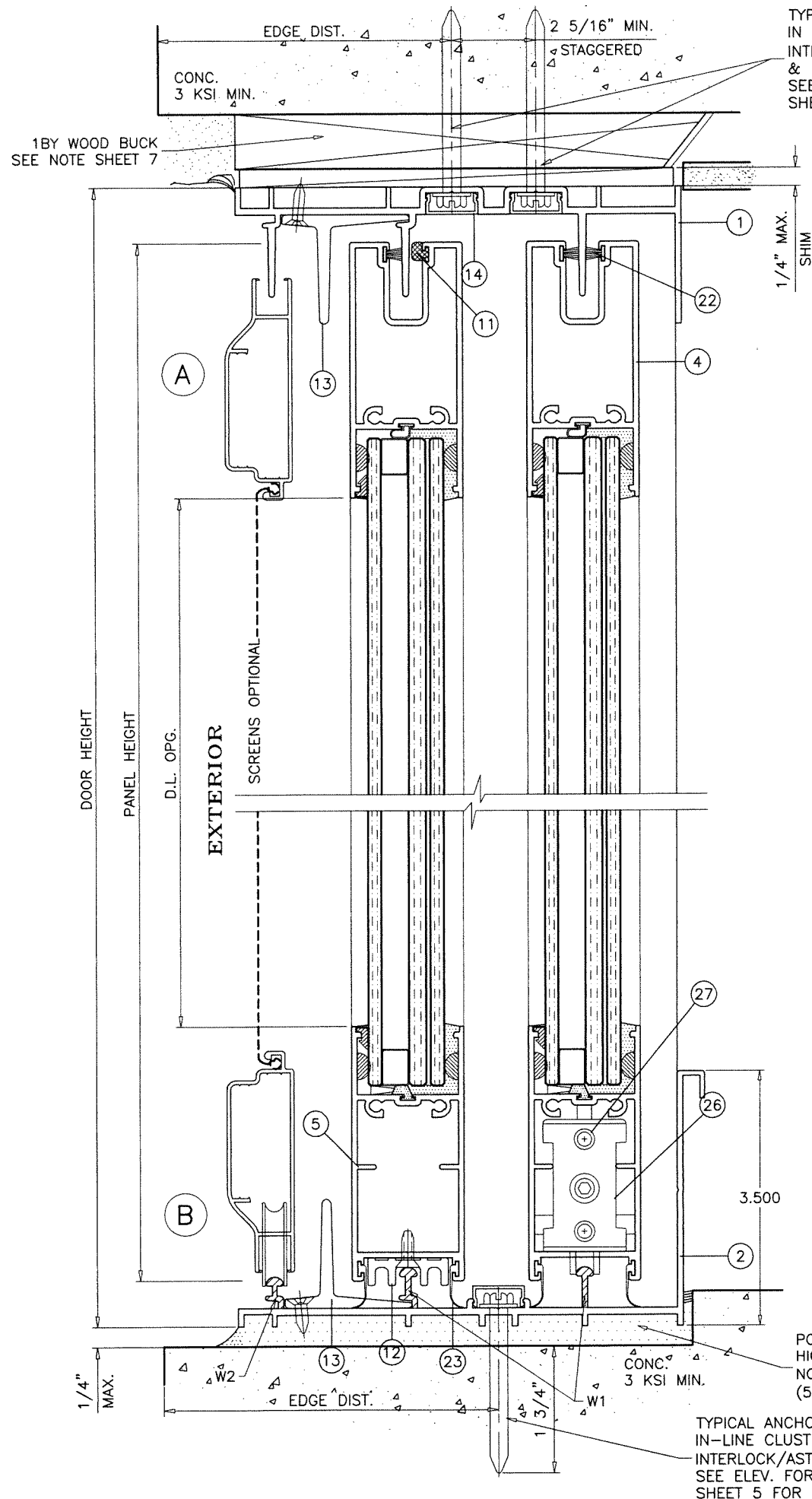
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

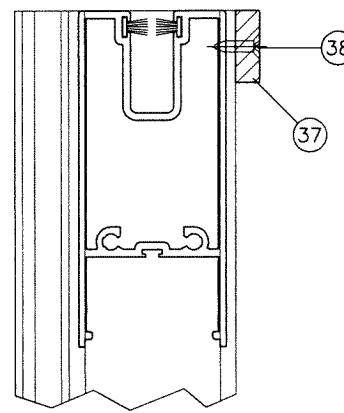
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| L  | 12.14.15 |    | NO CHANGE THIS SHEET  |
| M  | 01.15.18 |    | 3 TRACK OPTION ADDED  |
| N  | 05.11.18 |    | REV. PER RER COMMENTS |
| O  | 06.21.21 |    | EDITORIAL CHANGES     |

date: 04-04-07  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-26**  
sheet 5 of 12

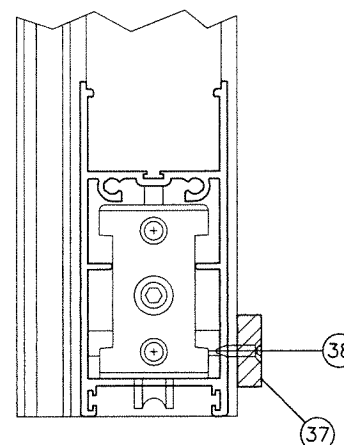


TYPICAL ANCHORS  
IN STAGGERED CLUSTERS AT  
INTERLOCK/ASTRAGAL ENDS  
& IN PAIRS AT FRAME  
SEE ELEV. FOR SPACING AND  
SHEET 5 FOR CAPACITY



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0207.01  
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By Ishaq I. Chande  
Miami-Dade Product Control

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By Ishaq I. Chande  
Miami-Dade Product Control



POURED & HARDENED  
HIGH STRENGTH GROUT  
NOT BY 'E.S. WINDOWS'  
(5 KSI MIN.)

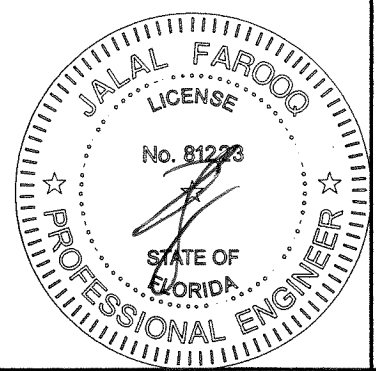
TYPICAL ANCHORS  
IN-LINE CLUSTERS AT  
INTERLOCK/ASTRAGAL ENDS  
SEE ELEV. FOR SPACING AND  
SHEET 5 FOR CAPACITY

**SEALANT:**

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

**WEEPHOLES:**

W1 = 2-5/8" LONG WEEP NOTCH AT EACH END  
W2 = 1" LONG WEEP NOTCH AT EACH END



JUN 23 2021

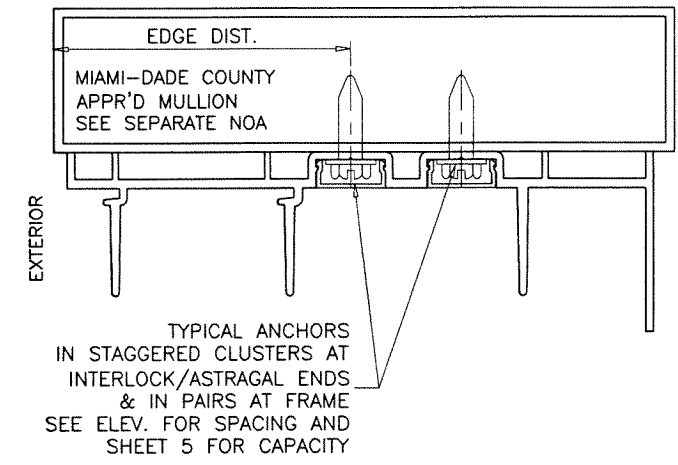
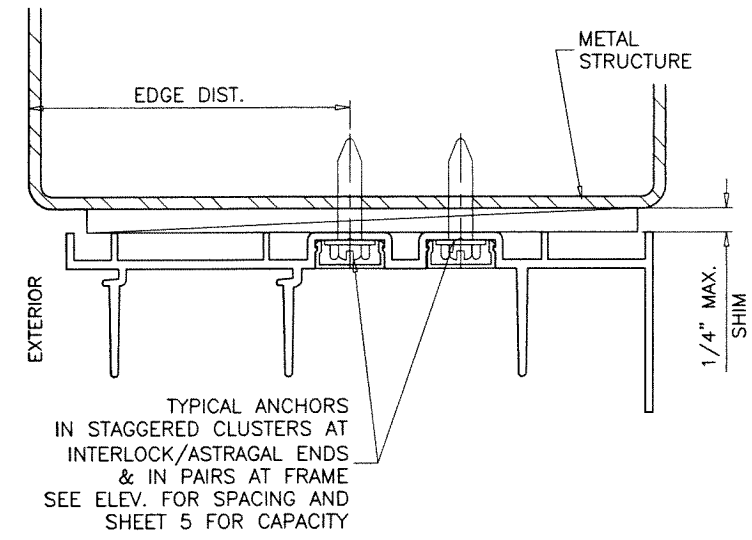
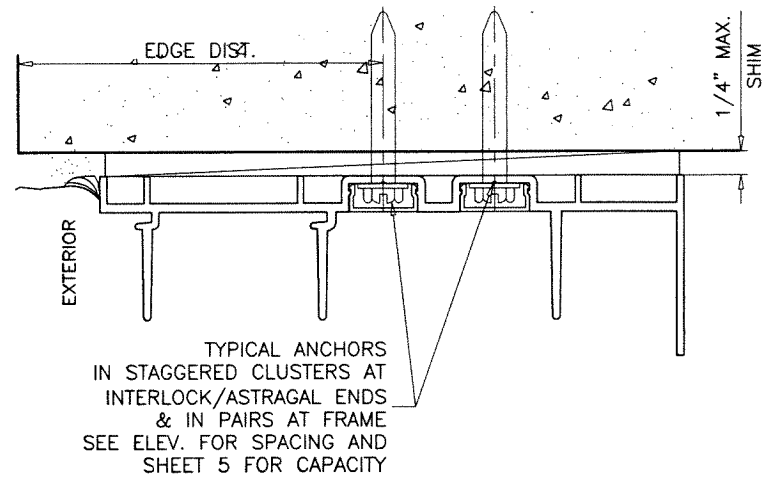
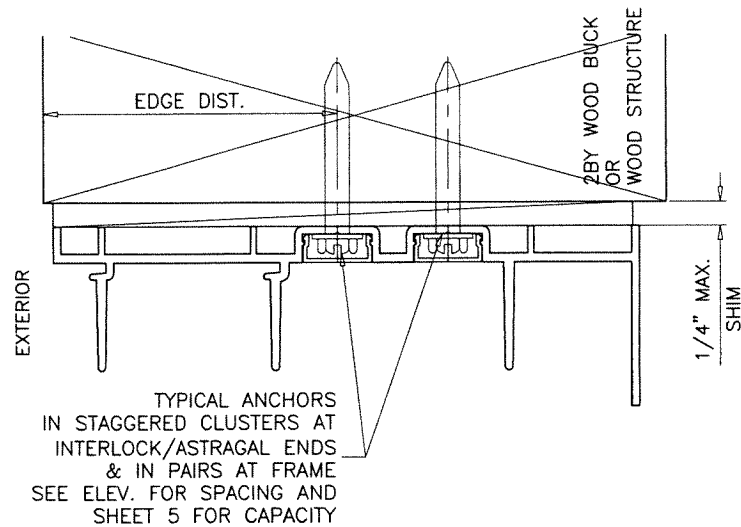
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W07-26ES

SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS, LLC**  
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TEL. (305) 638-5151 FAX. (305) 638-5158

|            |          |    |                       |  |
|------------|----------|----|-----------------------|--|
| revisions: |          |    |                       |  |
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| L          | 12.14.15 |    | NO CHANGE THIS SHEET  |  |
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|                |                  |               |          |
|----------------|------------------|---------------|----------|
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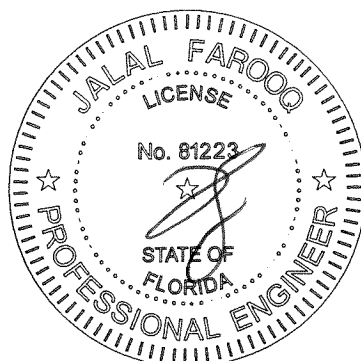
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| drawing no. | W07-26 |
| sheet 6     | of 12  |



**PRODUCT RENEWED**  
as complying with the Florida  
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NOA-No. 23-0207.01  
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Miami-Dade Product Control

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Miami-Dade Product Control

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY 'E.S. WINDOWS'  
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND  
TRANSFER THEM TO THE BUILDING STRUCTURE.



JUN 23 2021

**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\W07-26ES

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SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)

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

W07-26

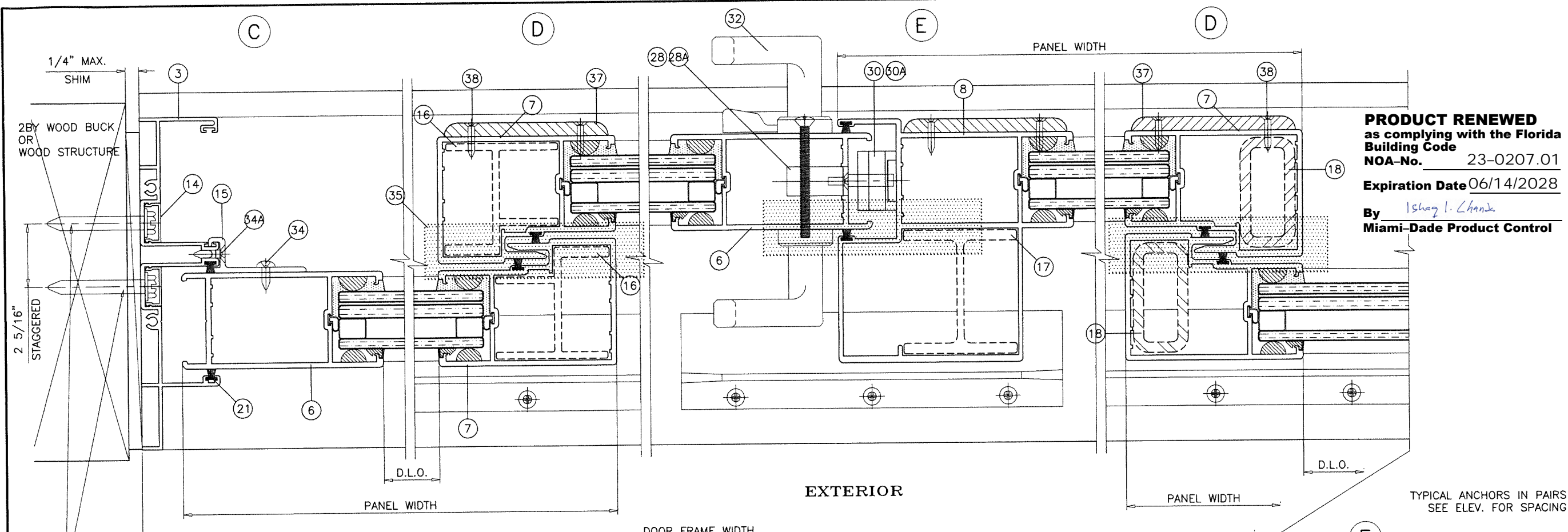
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| M          | 01.15.18 |    |      |    | 3 TRACK OPTION ADDED  |
| N          | 05.11.18 |    |      |    | REV. PER PER COMMENTS |
| O          | 06.21.21 |    |      |    | EDITORIAL CHANGES     |

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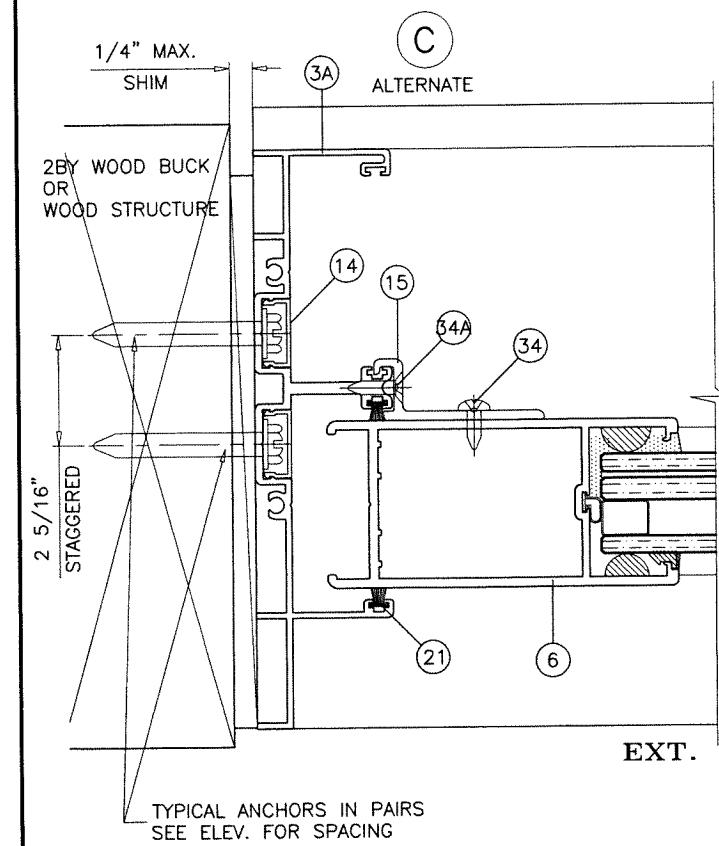
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scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-26**  
sheet 7 of 12

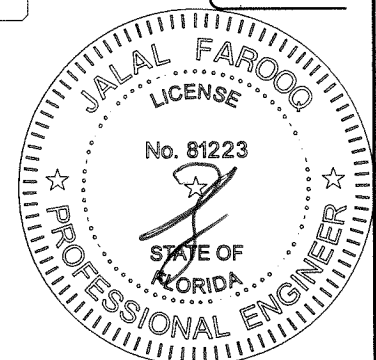
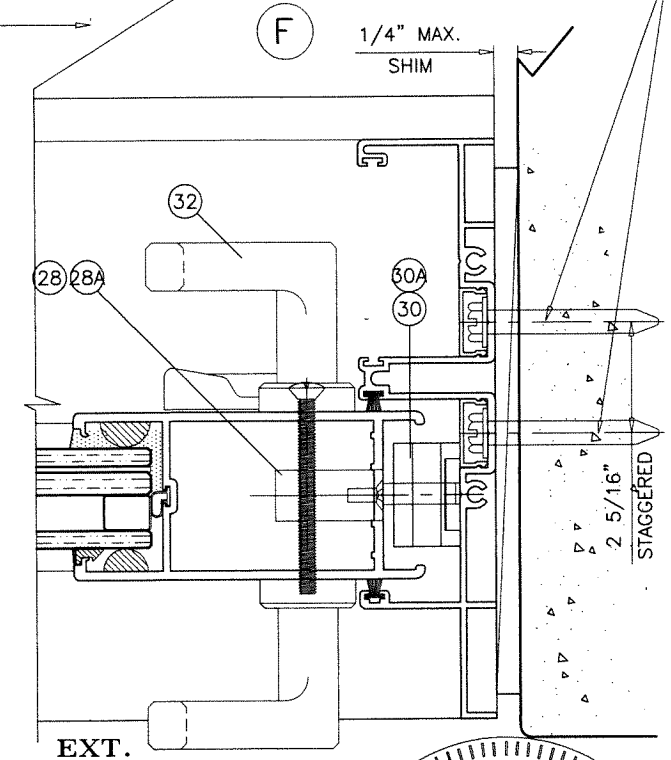
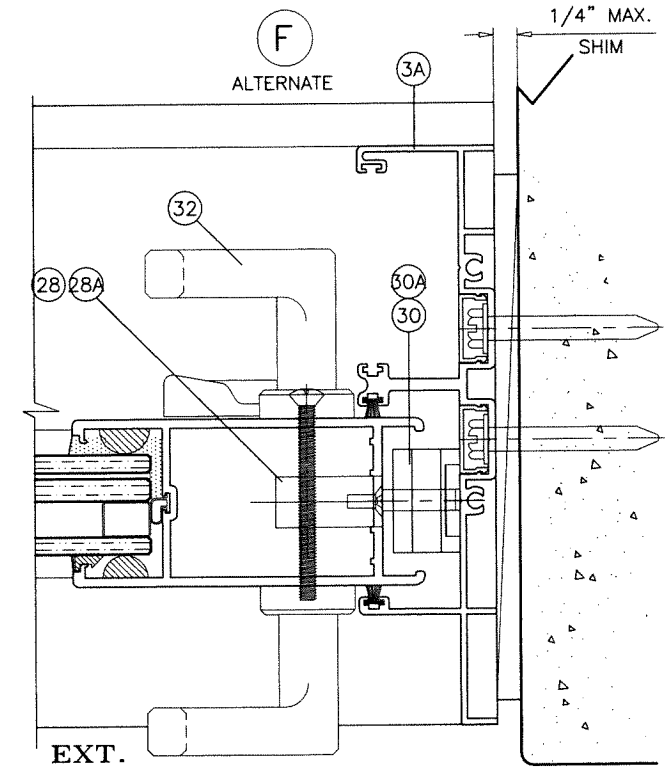


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 Miami-Dade Product Control

ALUMINUM AND STEEL REINFORCING AT INTERLOCK AND ASTRAGAL STILES  
 SHOWN FOR ILLUSTRATION ONLY.  
 USE AS SHOWN ON SHEET 3.  
 SEE CHARTS FOR REINFORCING OPTIONS LOAD CAPACITY, INCLUDING GLASS OPTIONS.  
 SEE ELEVATION FOR ANCHOR SPACING AND SHEET 5 FOR ANCHOR CAPACITY.



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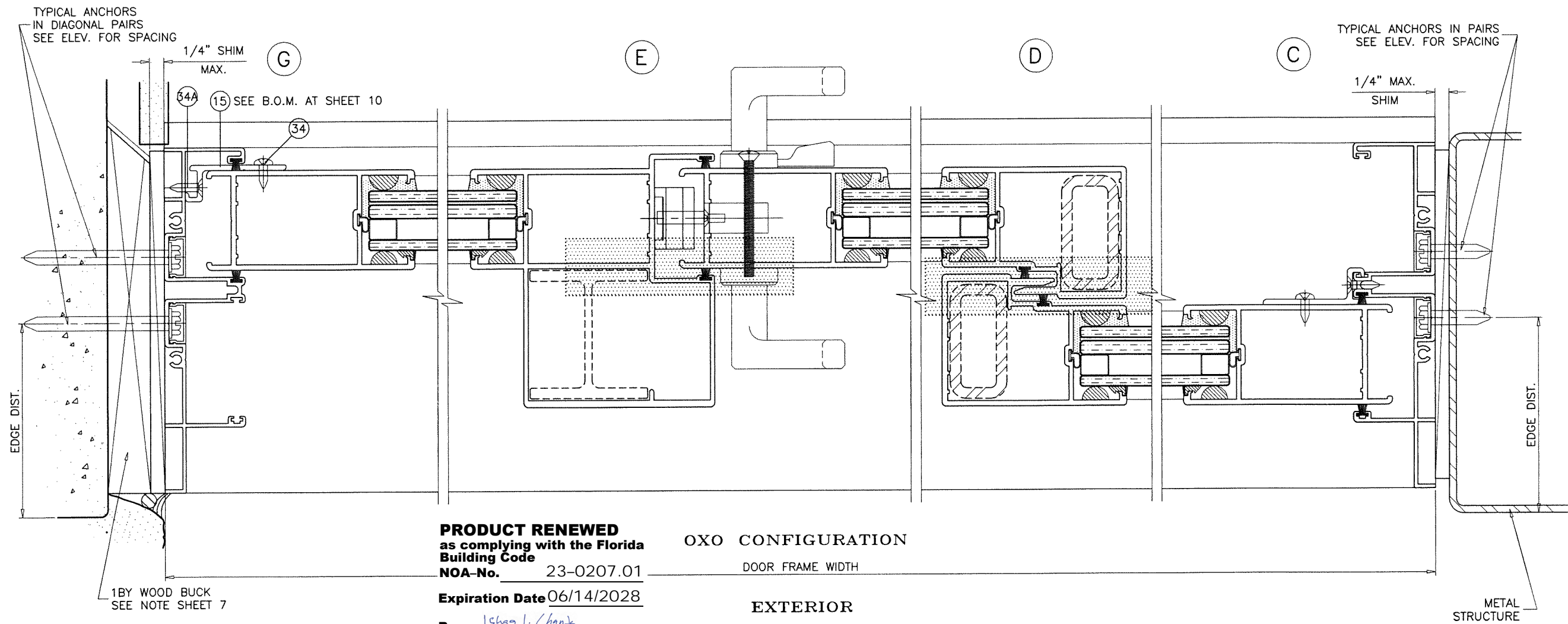
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**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W07-26ES

SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS, LLC**  
 3550 N.W. 49 STREET  
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| drawing no. W07-26 |                  | sheet 8 of 12 |          |



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**OXO CONFIGURATION**  
DOOR FRAME WIDTH  
**EXTERIOR**

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dr. by: TARIQ

chk. by:

drawing no.  
**W07-26**

sheet 9 of 12

JUN 23 2021

| ITEM # | PART #                | QUANTITY      | DESCRIPTION  | MATERIAL     | MANF./SUPPLIER/REMARKS                     |
|--------|-----------------------|---------------|--|--------------|--|
| 1      | ES6001                | 1             | FRAME HEAD   | 6005-T5      | -  |
| 2      | ES6023                | 1             | FRAME SILL - 3-1/2" HIGH                             | 6005-T5      | -  |
| 3      | ES6003                | 2             | FRAME JAMB   | 6063-T6      | -  |
| 3A     | ES6030                | 2             | ALTERNATE FRAME JAMB                                 | 6063-T6      | -  |
| 4      | ES6004                | 2/ PANEL      | TOP RAIL   | 6063-T6      | -  |
| 5      | ES6005                | 2/ PANEL      | BOTTOM RAIL  | 6063-T6      | -  |
| 6      | ES6006                | AS REQD.      | LOCK STILE   | 6063-T6      | -  |
| 7      | ES6007                | AS REQD.      | INTERLOCK  | 6063-T6      | -  |
| 8      | ES6008                | AS REQD.      | FEMALE ASTRAGAL                                      | 6063-T6      | -  |
| 11     | ES6016                | 4/ PANEL      | PANEL GUIDE (TOP ONLY)                               | CELCON       | -  |
| 12     | ES6015                | 2/ PANEL      | FIXED PANEL BOTTOM GUIDE                             | 6063-T6      | SECURE W/ (2) #8 X 3/4" FH SMS             |
| 13     | ES6010                | 2/ PANEL      | RETAINER CLIP, 6" LONG                               | 6005-T5      | AT MTG. RAIL HEAD & SILL ENDS              |
| 14     | ES6011                | 2/ JAMB       | JAMB SCREW COVER                                     | 6063-T5      | OPTIONAL                                   |
| 15     | ES6014                | 3/ FIX. PANEL | FIXED PANEL CLIP, 4" LONG, AT 53" O.C.               | 6063-T6      | AT 7" FROM EACH END AND AT MIDSPAN         |
| 16     | ES6012                | AS REQD.      | INTERLOCK STIFFENER (LENGTH = PANEL HT. - 2-3/8")    | 6063-T6      | -  |
| 17     | ES6013                | AS REQD.      | ASTRAGAL STIFFENER (LENGTH = PANEL HT. - 2-3/8")     | 6063-T6      | -  |
| 18     | 1" X 2" X 3/16"       | AS REQD.      | STEEL TUBE REINFORCING (LENGTH = PANEL HT. - 2-3/8") | A36 STEEL    | TO BE PAINTED                              |
| 21     | W222521K              | AS REQD.      | STILE & JAMB W'STRIPPING                             | -            | ULTRAFAB                                   |
| 22     | W223221K              | AS REQD.      | TOP RAIL W'STRIPPING                                 | -            | ULTRAFAB                                   |
| 23     | ES6027                | AS REQD.      | BOTTOM RAIL W'STRIPPING                              | EPDM         | DUROMETER 75±4 SHORE A                     |
| 24     | #10 X 1-1/2" PH SMS   | 8/ PANEL      | PANEL ASSY SCREWS                                    | -            | -  |
| 25     | #10 X 1" PH SMS       | 2/ CORNER     | FRAME ASSY SCREWS                                    | -            | -  |
| 26     | -                     | 2/ MOV. PANEL | TANDEM ACETAL WHEELS IN METALLIC HOUSING             | -            | DUAL ROLLERS                               |
| 27     | 1/4-20 X 1-3/4" PH MS | 1/ ROLLER     | ROLLER INST. SCREWS                                  | -            | -  |
| 28     | 2300-10SS             | 1/ MOV. PANEL | STD. MORTISE LOCK, AT 48-1/2" FROM BOTTOM            | ST. STEEL    | -  |
| 28A    | 2468T-00              | 1/ MOV. PANEL | MULTI POINT MORTISE LOCK, AT 48-1/2" FROM BOTTOM     | ST. STEEL    | WITH 2448 TRIM PLATE                       |
| 29     | #10-24 X 3/8" PH MS   | 2/ LOCK       | LOCK INSTALLATION SCREW                              | ST. STEEL    | -  |
| 30     | ES6017-1              | 1/ LOCK       | LOCK KEEPER (STD. LOCK)                              | PLATED STEEL | AT 48-1/2" FROM BOTTOM                     |
| 30A    | 2447-00               | 1/ LOCK       | LOCK KEEPER (MULTI POINT LOCK)                       | ST. STEEL    | AT 48-1/2" FROM BOTTOM                     |
| 31     | #10 X 5/8" PH SMS B   | 2/ LOCK       | LOCK KEEPER MOUNT. SCREW (STD. LOCK)                 | ST. STEEL    | -  |
| 31A    | #8 X 3/4" FH SMS      | 4/ LOCK       | LOCK KEEPER MOUNT. SCREW (MULTI POINT LOCK)          | ST. STEEL    | -  |
| 32     | #623Z                 | 1/ LOCK       | INTERIOR AND EXTERIOR PULL                           | -            | (3) #6-32 X 1/2" FH MS, ST. STEEL          |
| 34     | #10 X 3/4" PH SDS     | 2/ CLIP       | FIXED PANEL CLIP FASTENER                            | ST. STEEL    | -  |
| 34A    | #10 X 3/4" PH SDS     | 2/ CLIP       | FIXED PANEL CLIP FASTENER                            | ST. STEEL    | -  |
| 35     | -                     | AS REQD.      | 1"X4" LONG SELF ADHESIVE PILE PAD                    | WOOLPILE     | AT HEAD AND SILL                           |
| 37     | ES6019                | AS REQD.      | RESTRAINING PLATE                                    | NYLON        | AT TOP & BOTT. INTERLOCKS & ASTRAGAL       |
| 38     | #8 X 3/4" FH SMS      | 2/ PLATE      | RESTRAINING PLATE FASTENER                           | -            | -  |
| 40     | 27-445                | AS REQD.      | GLAZING WEDGE GASKET                                 | EPDM         | DUROMETER 75±5 SHORE A, SOLUCIONESENCAUCHO |
| 41     | ES4014                | AS REQD.      | BOTTOM RAIL GLASS STOP                               | EPDM         | DUROMETER 68±4 SHORE A                     |
| 42     | ES4018                | AS REQD.      | TOP RAIL & STILES GLASS STOP                         | EPDM         | DUROMETER 75±4 SHORE A                     |
| 43     | -                     | AS REQD.      | BUMPER   | SILICONE     | -  |
| 44     | -                     | 2/ LITE       | SETTING BLOCK, 1" X 1/8" X 2-1/2" LONG               | EPDM         | DUROMETER 75±4 SHORE A                     |

LATCHES:  
ITEMS 28A AND 30A USED FOR DOORS WITH STEEL REINFORCING ONLY  
ITEMS 28 AND 30 USED FOR ALL OTHER DOORS.

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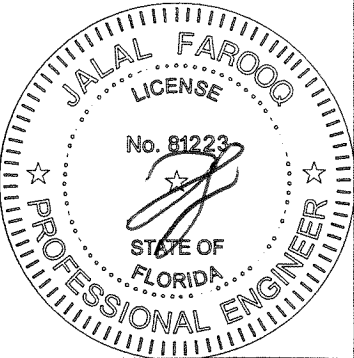
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By Ishag I. Chanda  
Miami-Dade Product Control

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By Ishag I. Chanda  
Miami-Dade Product Control



**afC**

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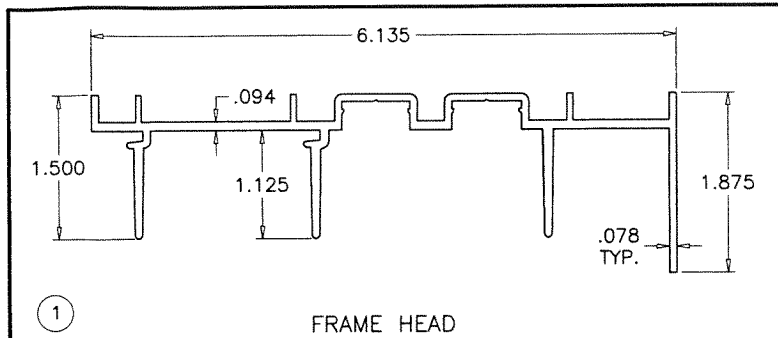
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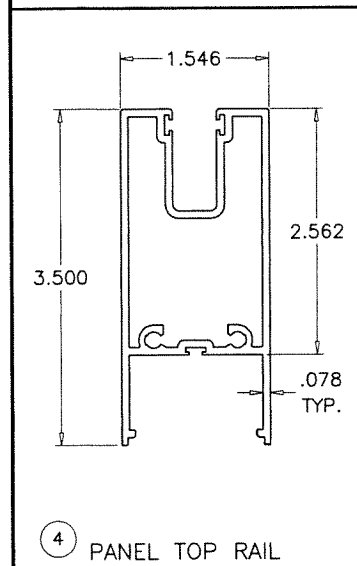
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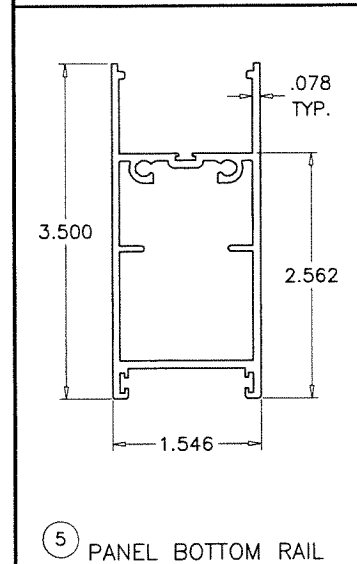
sheet 10 of 12



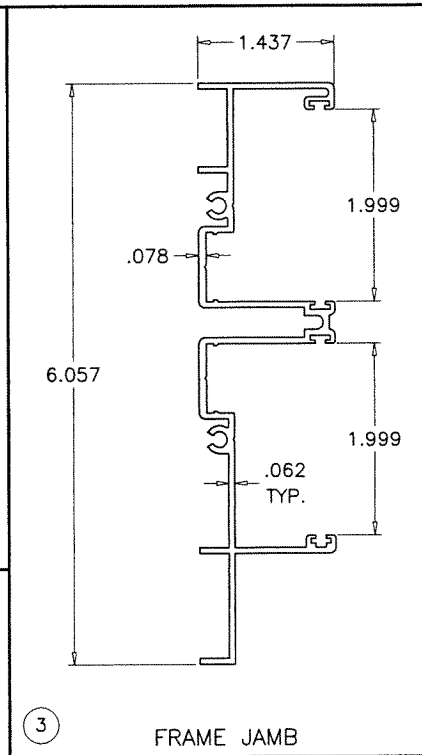
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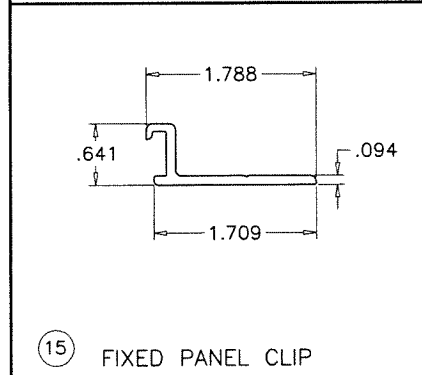
4 PANEL TOP RAIL



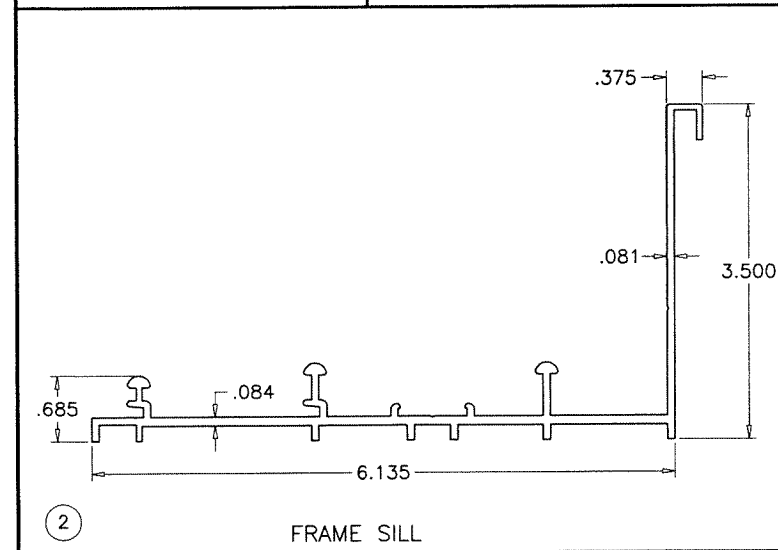
5 PANEL BOTTOM RAIL



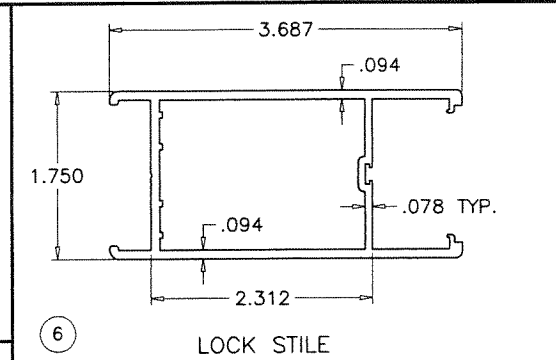
3 FRAME JAMB



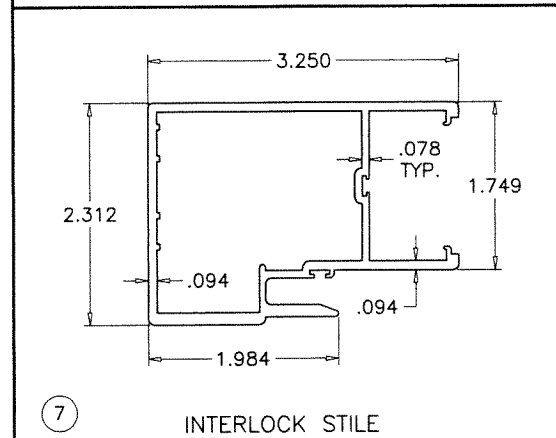
15 FIXED PANEL CLIP



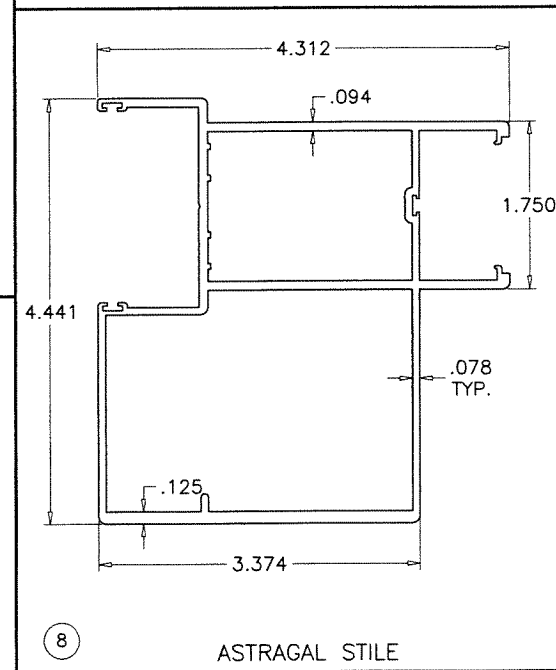
2 FRAME SILL



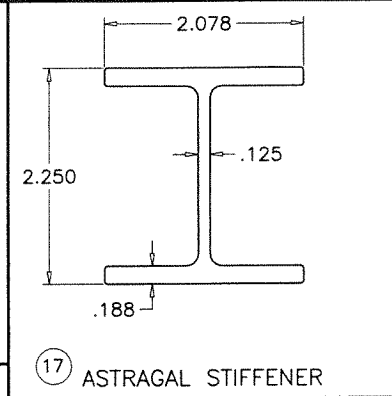
6 LOCK STILE



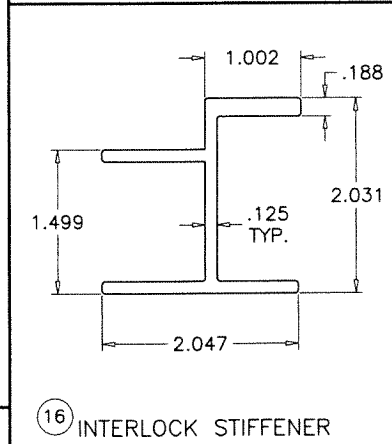
7 INTERLOCK STILE



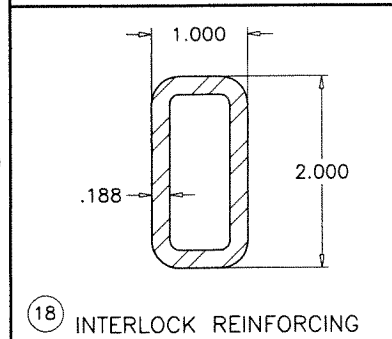
8 ASTRAGAL STILE



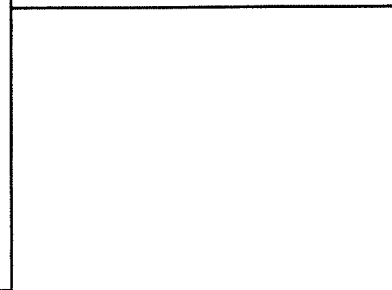
17 ASTRAGAL STIFFENER



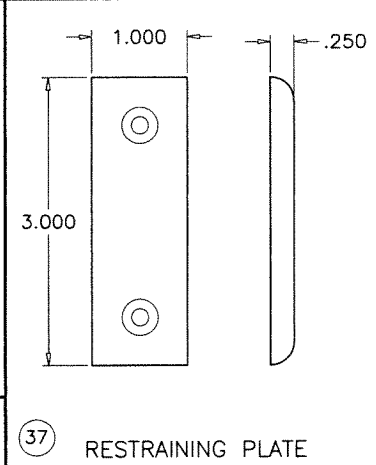
16 INTERLOCK STIFFENER



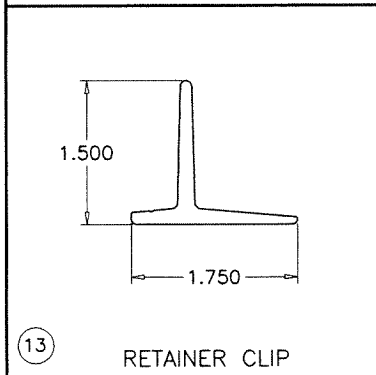
18 INTERLOCK REINFORCING



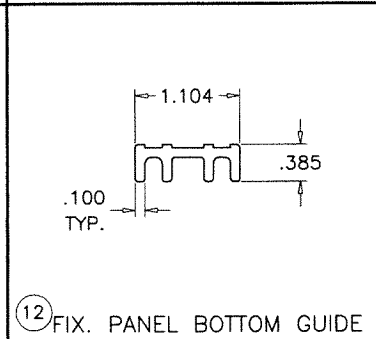
14 SCREW COVER



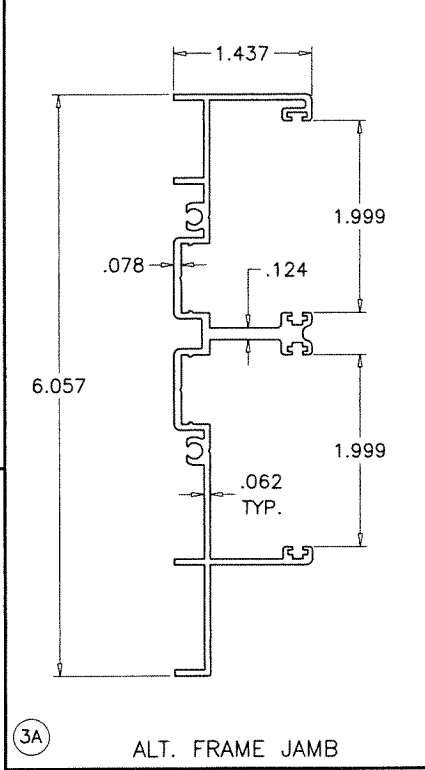
37 RESTRAINING PLATE



13 RETAINER CLIP



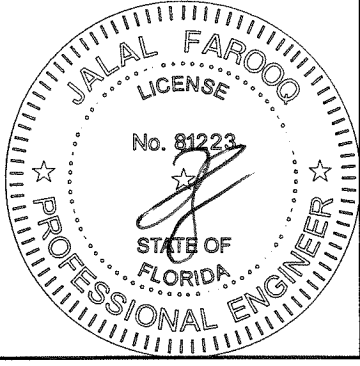
12 FIX. PANEL BOTTOM GUIDE



3A ALT. FRAME JAMB

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JUN 28 2021

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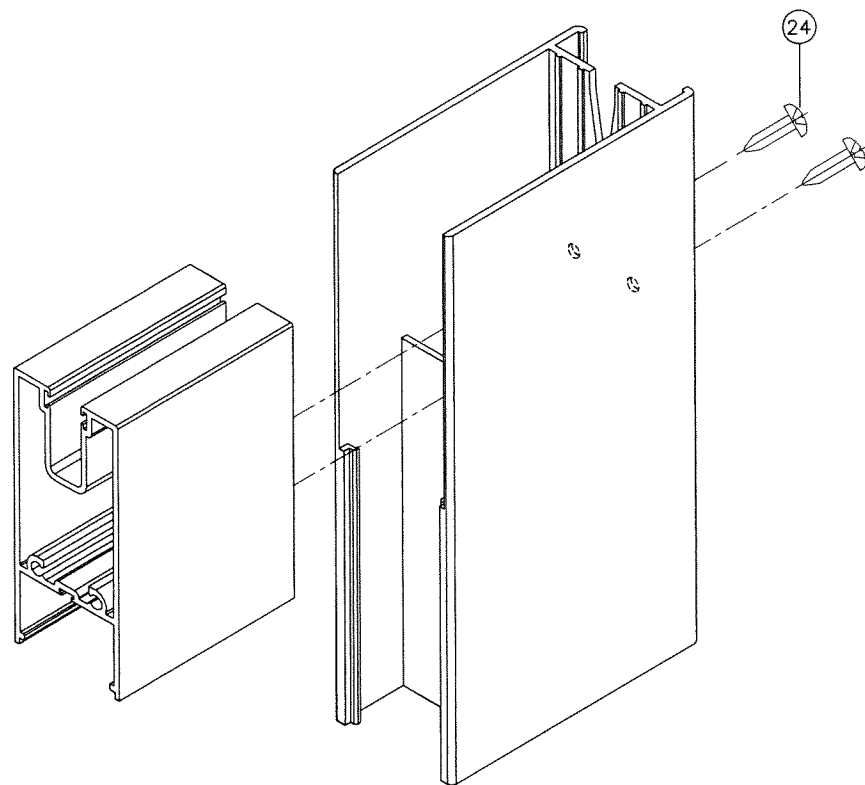
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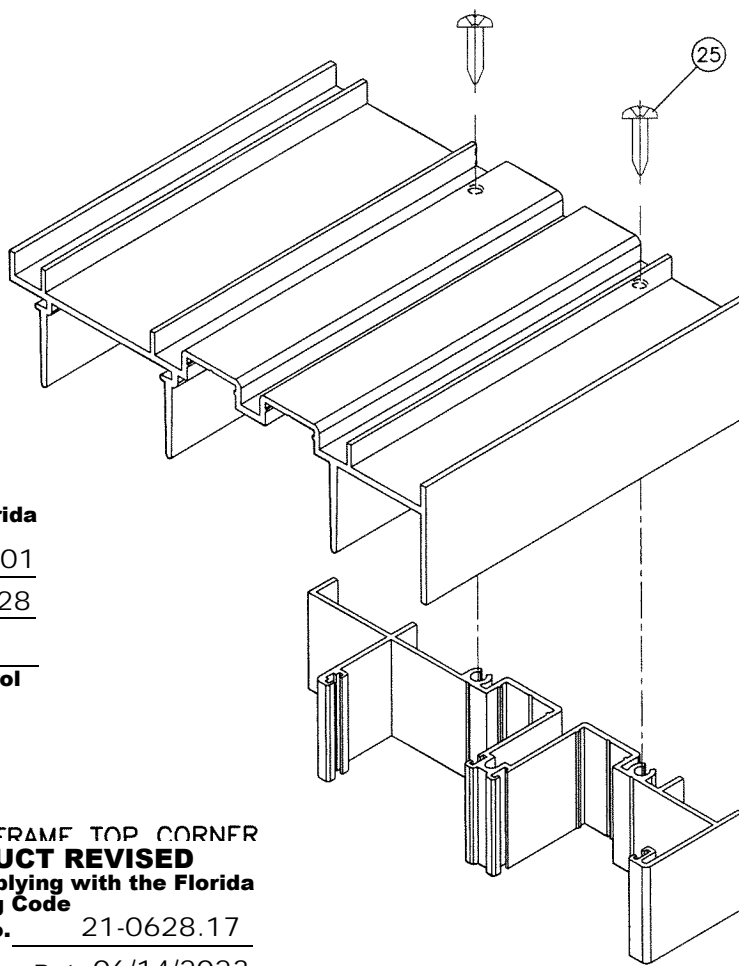
chk. by:

drawing no. **W07-26**

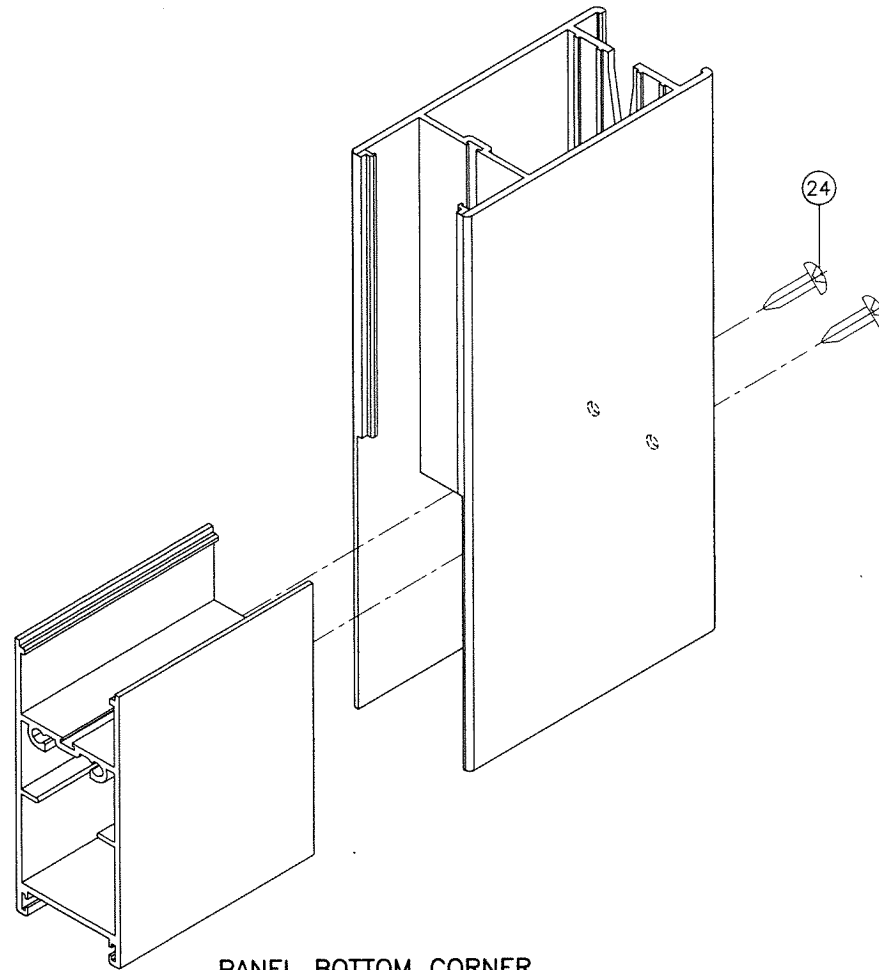
sheet 11 of 12



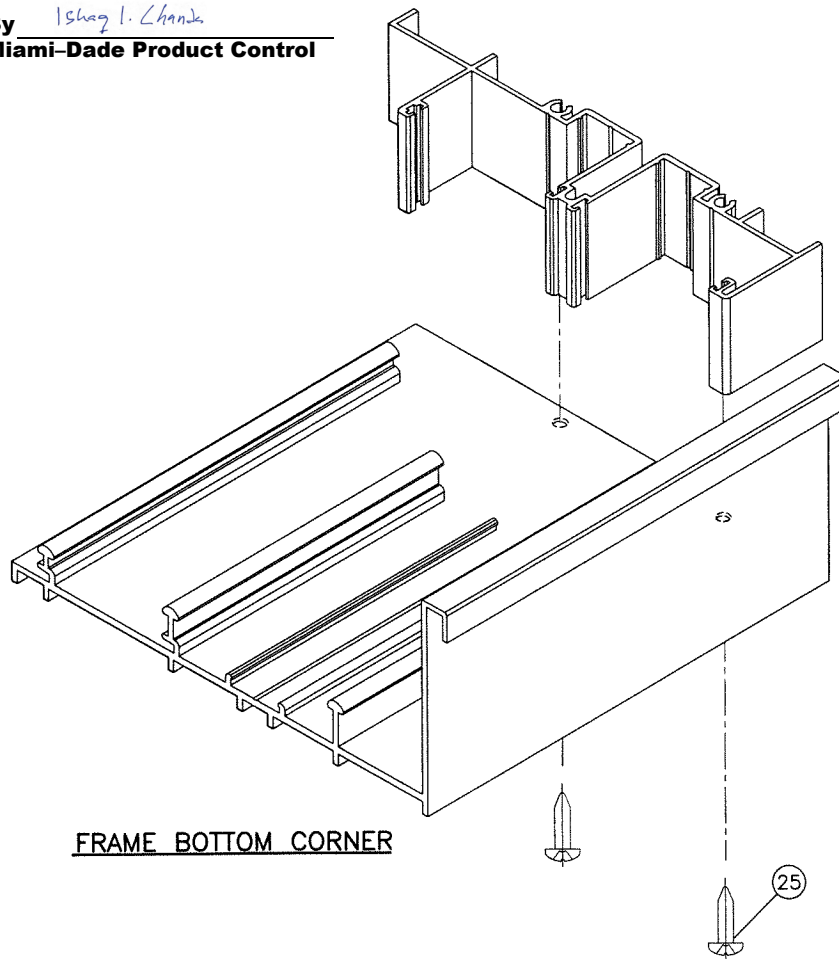
PANEL TOP CORNER



FRAME TOP CORNER  
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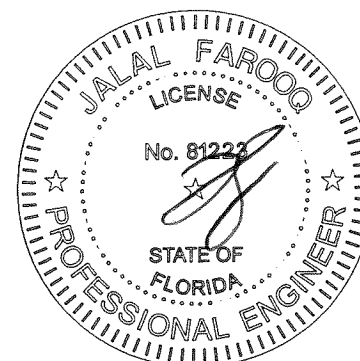


PANEL BOTTOM CORNER



FRAME BOTTOM CORNER

JUL 23 2021



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| O          | 06.21.21 |    |      |    | EDITORIAL CHANGES     |

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date: 04-04-07  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W07-26**  
 sheet 12 of 12