



MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**Tecnoglass, LLC**  
**3550 NW 49 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 "600Y-CA" Aluminum Single Hung Window – S.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W07-24**, titled "Series 600Y-CA Alum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07, with revision **F** dated 09/20/23, prepared by Al-Farooq Corporation, 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: Small Missile Impact Resistant.**

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

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

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

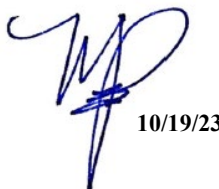
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA **revises** **NOA No. 20-1216.02** and consists of this page 1, evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



  
10/19/23

**NOA No. 23-0928.15**  
**Expiration Date: March 09, 2027**  
**Approval Date: October 26, 2023**  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**


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

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 07-0522.09)*
2. Drawing No. **W07-24**, titled "Series 600Y-CA Alum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07, with revision **E** dated 12/02/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 20-1216.02)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Resistant Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of series 500Y aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6246**, dated 08/09/10, signed and sealed by Jorge A. Causo, P.E.  
*(Submitted under NOA No. 12-0806.04)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5988**, dated 08/31/09, signed and sealed by Jorge A. Causo, P.E.  
*(Submitted under NOA No. 12-0806.04)*
3. 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  
along with marked-up drawings and installation diagram of series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5706**, dated 09/17/08, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 12-0806.04)*


  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 23-0928.15  
Expiration Date: March 09, 2027  
Approval Date: October 26, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**B. TESTS (CONTINUED)**

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Small Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5693**, dated 08/28/08, signed and sealed by Carlos S. Rionda, P.E.  
**(Submitted under NOA No. 12-0806.04)**
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Resistant Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of series 500Y aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4719**, dated 09/15/05 and **FTL-4032**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P.E.  
**(Submitted under NOA No. 07-0522.10)**
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Small Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Resistant Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of series 500Y aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4020**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P.E.  
**(Submitted under NOA No. 07-0522.10)**
7. Test reports on: 1) Safety Performance (Drop Load Impact) Test per ANSI Z97.1 along with marked-up drawings and installation diagram of a series 500Y aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5936**, dated 04/22/09, signed and sealed by Michael Wenzel, P.E.  
**(Submitted under NOA-No. 16-1013.08)**

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 23-0928.15  
Expiration Date: March 09, 2027  
Approval Date: October 26, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**B. TESTS (CONTINUED)**

8. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Resistant Test, per FBC, TAS 202-94  
7) Safety Performance (Drop Load Impact) Test per ANSI Z97.1-04 (CPSC 16 CFR 1201)

along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No.

**FTL-5739** dated 01/20/09, signed and sealed by Carlos S. Rionda, P.E.

*(For Reference Only) (Submitted under NOA No. 09-0812.15)*

**C. CALCULATIONS**

1. Anchor verification calculations complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 12/01/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 20-1216.02)*
2. Glazing complies with **ASTM E 1300-09**

**D. QUALITY ASSURANCE**


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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Interlayer" dated 11/19/20, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "Trosifol® Ultraclear and Color PVB Glass Interlayers" dated 11/19/20, expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)**, and of no financial interest, dated December 01, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 20-1216.02)*
2. Distribution agreement dated 02/07/17 between Tecnoglass, Inc. and Energia Solar SA, Colombia, signed by Evelyn Daes (Gen MGR) and Carlos Garcia (Sales MGR), respectively on behalf of their companies.  
*(Submitted under NOA No. 16-1013.08)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 23-0928.15  
Expiration Date: March 09, 2027  
Approval Date: October 26, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

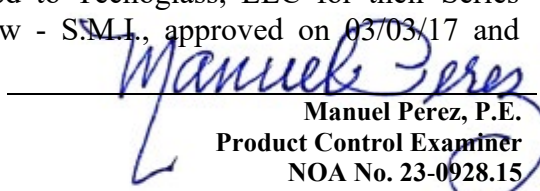
**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**

**F. STATEMENTS (CONTINUED)**

3. Sales agreement between Tecnoglass, LLC (Acquirer) and RC Aluminum Industries, Inc. (Asset Seller) dated 06/19/14, signed by Raul Casares, President (RC Aluminum Industries, Inc.)  
*(Submitted under NOA No. 16-1013.08)*
4. Statement letter dated July 15, 2014, issued by RC Aluminum Industries, Inc., stating RC Aluminum Industries, Inc. has legally sold to Tecnoglass, LLC, all the NOA(s) per schedule 1 and gave-up all rights to NOA(s) and request to rescind all NOA(s) under RC Aluminum Industries, Inc. signed by Raul Casares, President (RC Aluminum).  
*(Submitted under NOA No. 16-1013.08)*
5. Revised proposal issued by Product Control, dated 02/12/09, signed by Renzo Narciso.  
*(Submitted under NOA No. 16-1013.08)*
6. Laboratory compliance letter for Test Report No. **FTL-6246**, dated 07/27/10, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Jorge A. Causo, P.E.  
*(Submitted under NOA No. 16-1013.08)*
7. Proposal issued by Product Control, dated 06/09/08, signed by Jaime D. Gascon, P.E.  
*(Submitted under NOA No. 16-1013.08)*
8. Laboratory compliance letter for Test Report No. **FTL-5693**, dated 08/11/08, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 16-1013.08)*
9. Proposal No. **05-0111** issued by Product Control, dated 06/22/05, signed by Ishaq Chanda, P.E.  
*(Submitted under NOA No. 07-0522.10)*
10. Proposal issued by Product Control, dated 10/17/08, signed by Jaime D. Gascon, P.E.  
*(Submitted under NOA No. 12-0806.04)*
11. Laboratory compliance letters for Test Report No. **FTL-5739**, dated 11/22/09, issued by Fenestration Testing Laboratory, Inc., signed by Manny Sanchez.  
*(Submitted under NOA No. 09-0802.15)*
12. Laboratory compliance letters for Test Reports No. **FTL-4719**, dated 09/15/05, **FTL-4032**, dated 12/05/03 and **FTL-4020**, dated 12/05/03, all issued by Fenestration Testing Laboratory, Inc., all signed and sealed by Edmundo J. Largaespada, P.E.  
*(Submitted under NOA No. 07-0522.10)*
13. Proposal issued by Product Control, dated 09/25/03, signed by Jaime D. Gascon, P.E.  
*(Submitted under NOA No. 07-0522.10)*

**G. OTHERS**

1. Notice of Acceptance No. **16-1013.08**, issued to Tecnoglass, LLC for their Series "600Y-CA" Aluminum Single Hung Window - S.M.I., approved on 03/03/17 and expiring on 03/09/22.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 23-0928.15  
Expiration Date: March 09, 2027  
Approval Date: October 26, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W07-24**, titled “Series 600Y-CA Alum Single Hung Window (S.M.I.)”, sheets 1 through 10 of 10, dated 03/26/07, with revision **F** dated 09/20/23, prepared by Al-Farooq Corporation, 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. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.

**F. STATEMENTS**

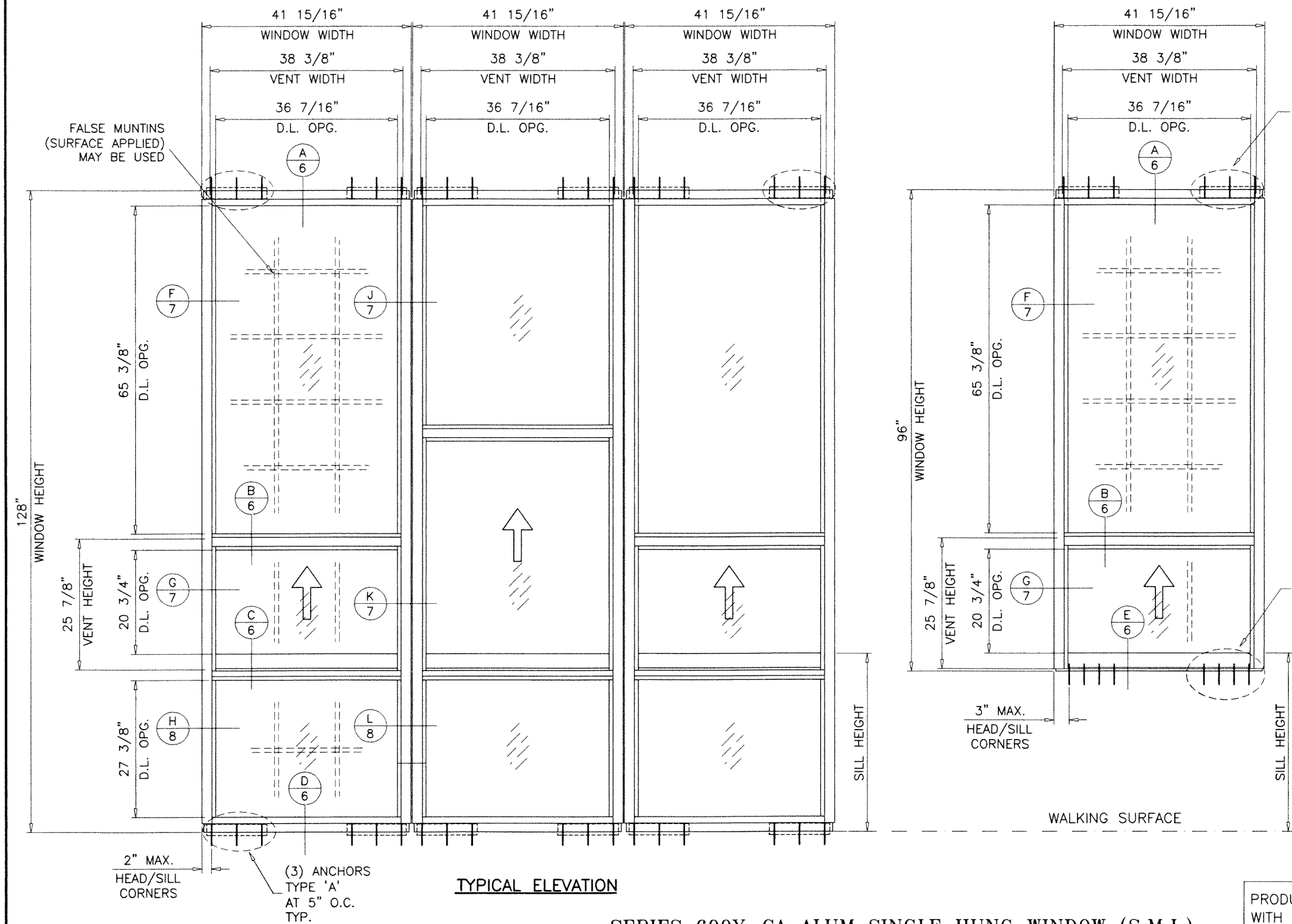
1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)**, with **FBC 8<sup>th</sup> Edition (2023)** and of no financial interest, dated September 25, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **20-1216.02**, issued to Tecnoglass, LLC for their Series “600Y-CA” Aluminum Single Hung Window - S.M.I., approved on 04/01/21 and expiring on 03/09/27.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 23-0928.15  
Expiration Date: March 09, 2027  
Approval Date: October 26, 2023





(3) ANCHORS  
TYPE 'A' OR 'B'  
AT 5" O.C.  
TYP.

(4) ANCHORS  
TYPE 'A'  
AT 3" O.C.  
TYP.

| INDEX OF DRAWING |   |
|------------------|---|
| SHEET NO.        | DESCRIPTION   |
| 1                | GENERAL NOTES, TYPICAL WINDOW ELEVATIONS                            |
| 2                | APPROVED CONFIGURATIONS, GLAZING OPTIONS                            |
| 3                | EQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS   |
| 4                | UNEQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS |
| 5                | EQUAL AND UNEQUAL LITE WINDOWS JAMB AND MULLION CAPACITY CHARTS     |
| 6 THRU 8         | VERTICAL AND HORIZONTAL SECTION DETAILS                             |
| 8                | UNANCHORED JAMB DETAILS & OPTIONS                                   |
| 9                | CORNER CONSTRUCTION DETAILS, BILL OF MATERIALS                      |
| 10               | EXTRUSION DETAILS   |

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1 WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

THESE WINDOWS 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.

**TYPICAL ELEVATION**

**SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

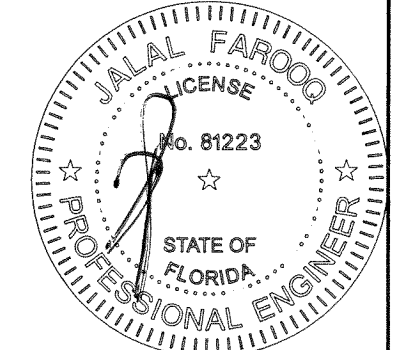
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 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)'.



SEP 22 2023

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

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

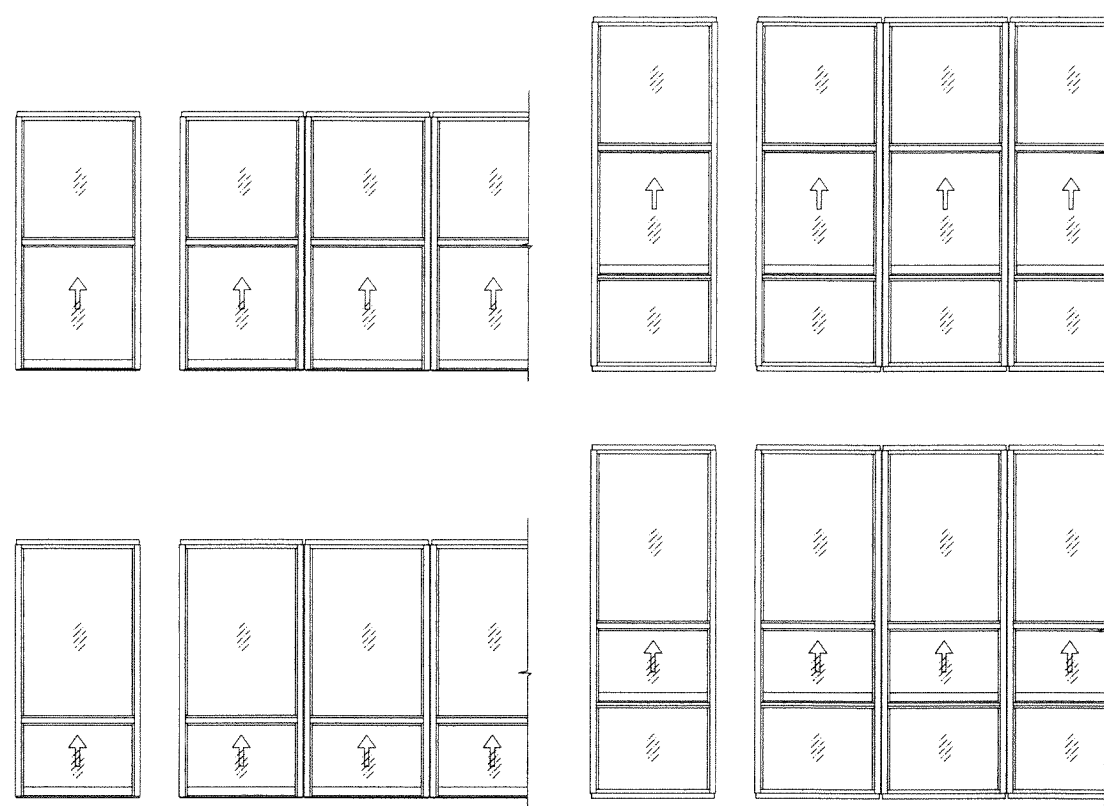
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151  
FAX. (305) 638-5158

| no. | date     | by | description          |
|-----|----------|----|----------------------|
| C   | 06.18.16 |    | UPDATED TO 2014 FBC  |
| D   | 02.09.17 |    | NO CHANGE THIS SHEET |
| E   | 12.02.20 |    | UPDATED TO 2020 FBC  |
| F   | 09.20.23 |    | UPDATED TO 2023 FBC  |

date: 03-26-07  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

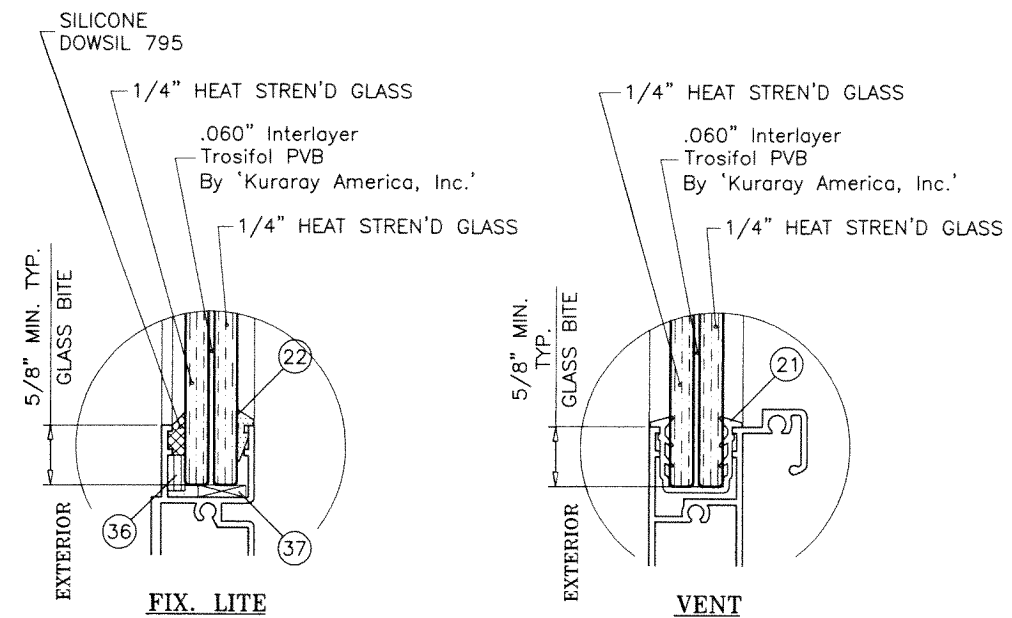
drawing no. **W07-24**  
sheet 1 of 10

COMP-ANL\W07-24RC

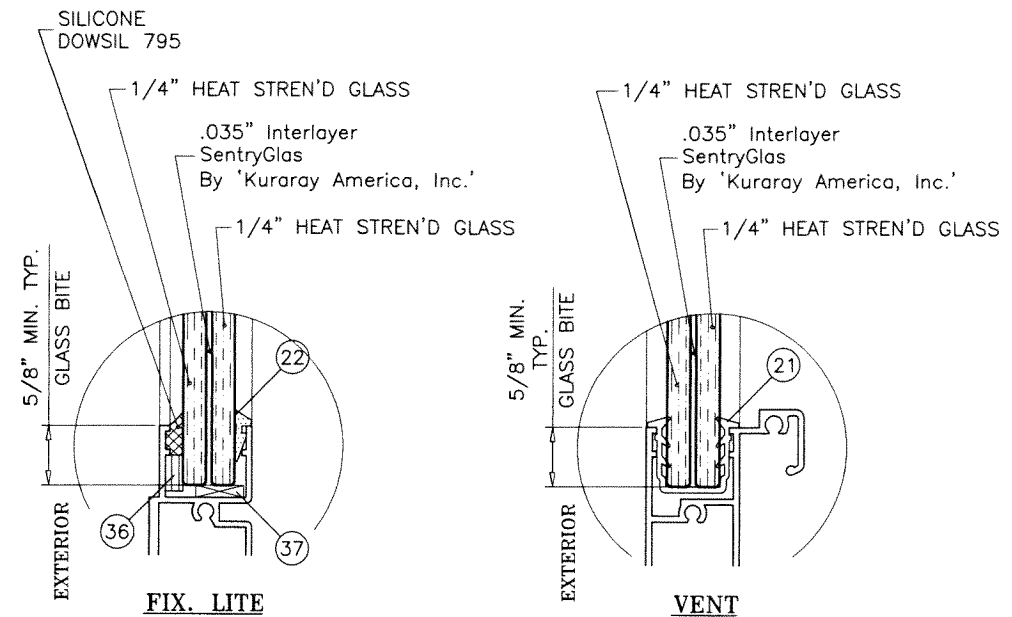


# APPROVED CONFIGURATIONS

APPROVAL APPLIES TO INDIVIDUAL UNITS OF SINGLE HUNG WINDOWS OR SINGLE HUNG OVER FIXED WINDOWS. ALSO SIDE BY SIDE COMBINATIONS OF S.H. TO S.H. OR S.H./FIX. TO S.H./FIX. IN MODULES OF TWO OR MORE UNITS.



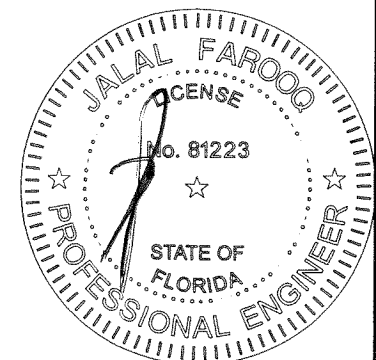
GLASS TYPE 'A'



GLASS TYPE 'B'

# GLAZING OPTIONS

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control



SEP 22 2023

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP - ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions: |          | description          |
|------------|----------|----------------------|
| no         | date     | by                   |
| C          | 06.18.16 | UPDATED TO 2014 FBC  |
| D          | 02.09.17 | NO CHANGE THIS SHEET |
| E          | 12.02.20 | UPDATED TO 2020 FBC  |
| F          | 09.20.23 | NO CHANGE THIS SHEET |

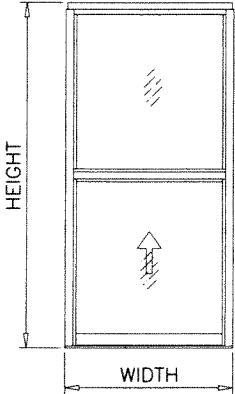
  

|                           |                  |                             |          |
|---------------------------|------------------|-----------------------------|----------|
| date: 03-26-07            | scale: 1/2" = 1" | dr. by: TARIQ               | chk. by: |
| drawing no. <b>W07-24</b> |                  | sheet <b>2</b> of <b>10</b> |          |

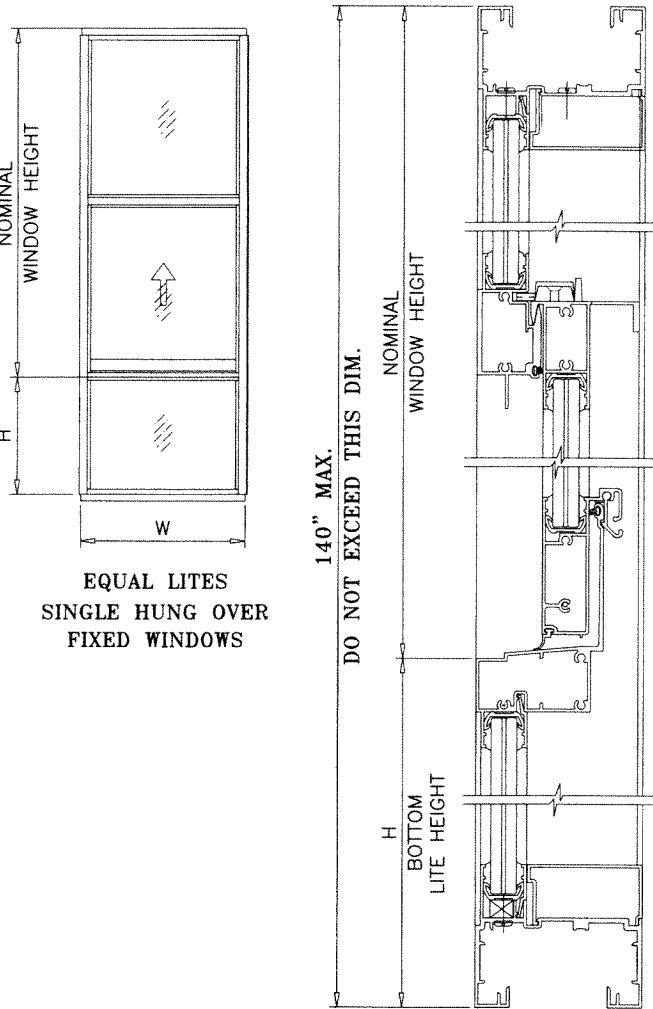


| EQUAL LITES SINGLE HUNG WINDOWS |        |                |         |
|---------------------------------|--------|----------------|---------|
| DESIGN LOAD CAPACITY - PSF      |        |                |         |
| WINDOW DIMS.                    |        | GLASS TYPE 'A' |         |
| WIDTH                           | HEIGHT | EXT.(+)        | INT.(-) |
| 30"                             | 48"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 86.5           | 86.5    |
| 60"                             |        | 62.1           | 62.1    |
| 30"                             | 54"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 115.2   |
| 54"                             |        | 78.6           | 78.6    |
| 60"                             |        | 56.2           | 56.2    |
| 30"                             | 60"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 107.2   |
| 54"                             |        | 72.6           | 72.6    |
| 60"                             |        |                |         |
| 30"                             | 66"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 101.1   |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 30"                             | 72"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 96.5           | 96.5    |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 30"                             | 78"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        |                |         |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 30"                             | 79"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        |                |         |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 44-3/4"                         |        | 100.0          | 120.0   |

| EQUAL LITES SINGLE HUNG WINDOWS |        |                |         |
|---------------------------------|--------|----------------|---------|
| DESIGN LOAD CAPACITY - PSF      |        |                |         |
| WINDOW DIMS.                    |        | GLASS TYPE 'B' |         |
| WIDTH                           | HEIGHT | EXT.(+)        | INT.(-) |
| 30"                             | 36"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 100.0          | 120.0   |
| 60"                             |        | 89.9           | 116.8   |
| 30"                             | 42"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 100.0          | 120.0   |
| 60"                             |        | 78.0           | 101.5   |
| 30"                             | 48"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 96.7           | 120.0   |
| 60"                             |        | 69.4           | 90.2    |
| 30"                             | 54"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 87.9           | 114.2   |
| 60"                             |        | 62.8           | 81.6    |
| 30"                             | 60"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 81.1           | 105.5   |
| 60"                             |        | 57.7           | 74.9    |
| 30"                             | 66"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 75.9           | 98.7    |
| 60"                             |        | 53.6           | 69.7    |
| 30"                             | 72"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 71.8           | 93.3    |
| 60"                             |        | 50.4           | 65.5    |
| 30"                             | 78"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        | 68.6           | 89.2    |
| 60"                             |        |                |         |
| 30"                             | 79"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        |                |         |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 44-3/4"                         |        | 100.0          | 120.0   |
| 30"                             | 84"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        | 100.0          | 120.0   |
| 54"                             |        |                |         |
| 60"                             |        |                |         |
| 30"                             | 90"    | 100.0          | 120.0   |
| 36"                             |        | 100.0          | 120.0   |
| 42"                             |        | 100.0          | 120.0   |
| 48"                             |        |                |         |
| 54"                             |        |                |         |
| 60"                             |        |                |         |



EQUAL LITES  
SINGLE HUNG WINDOWS



EQUAL LITES  
SINGLE HUNG OVER  
FIXED WINDOWS

REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN  
SINGLE HUNG WINDOW CAPACITY.

REFER TO CHART ABOVE TO OBTAIN CAPACITY OF  
BOTTOM LITE OF WINDOWALL.

REFER TO CHARTS AT SHEET 4 TO OBTAIN JAMB AND  
MULLION CAPACITY.

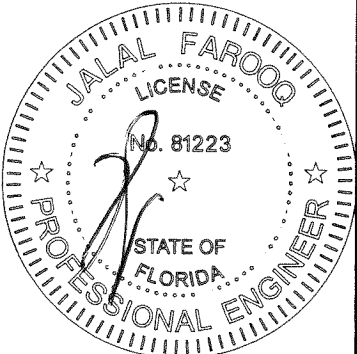
USE LOWEST VALUES OF OPTIONS CONSULTED.

| WINDOWALL BOTTOM LITE CAPACITY - PSF |        |                |         |
|--------------------------------------|--------|----------------|---------|
| WINDOW DIMS.                         |        | GLASS TYPE 'A' |         |
| WIDTH                                | HEIGHT | EXT.(+)        | INT.(-) |
| 36"                                  | 36"    | 100.0          | 120.0   |
| 42"                                  |        | 100.0          | 120.0   |
| 48"                                  |        | 96.5           | 96.5    |
| 54"                                  |        |                |         |
| 36"                                  | 41"    | 100.0          | 120.0   |
| 42"                                  |        | 100.0          | 120.0   |
| 48"                                  |        | 100.0          | 120.0   |
| 54"                                  |        |                |         |

| WINDOWALL BOTTOM LITE CAPACITY - PSF |        |                |         |
|--------------------------------------|--------|----------------|---------|
| WINDOW DIMS.                         |        | GLASS TYPE 'B' |         |
| WIDTH                                | HEIGHT | EXT.(+)        | INT.(-) |
| 36"                                  | 36"    | 100.0          | 120.0   |
| 42"                                  |        | 100.0          | 120.0   |
| 48"                                  |        | 100.0          | 120.0   |
| 54"                                  |        |                |         |

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
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



SEP 22 2023

**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 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

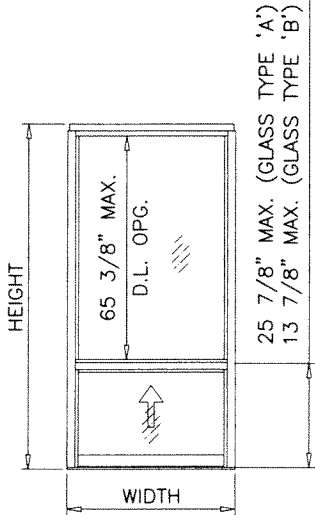
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| C   | 06.18.16 |    | UPDATED TO 2014 FBC  |
| D   | 02.09.17 |    | NO CHANGE THIS SHEET |
| E   | 12.02.20 |    | NO CHANGE THIS SHEET |
| F   | 09.20.23 |    | NO CHANGE THIS SHEET |

date: 03-26-07  
scale: -  
dr. by: TARIQ  
chk. by:

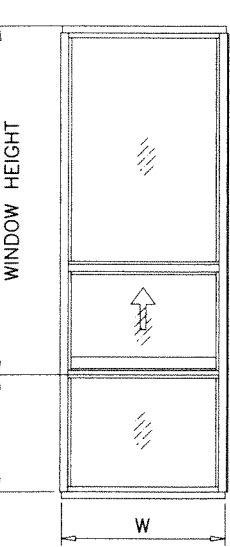
drawing no.  
**W07-24**  
sheet 3 of 10

| UNEQUAL LITES SINGLE HUNG WINDOWS |          |                |         |
|-----------------------------------|----------|----------------|---------|
| DESIGN LOAD CAPACITY - PSF        |          |                |         |
| WINDOW DIMS.                      |          | GLASS TYPE 'A' |         |
| WIDTH                             | HEIGHT   | EXT.(+)        | 1NT.(-) |
| 30"                               | 48"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 120.0   |
| 42"                               |          | 100.0          | 120.0   |
| 48"                               |          | 100.0          | 120.0   |
| 54"                               |          | 86.5           | 86.5    |
| 30"                               | 54"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 120.0   |
| 42"                               |          | 100.0          | 120.0   |
| 48"                               |          | 100.0          | 115.3   |
| 54"                               |          | 78.7           | 78.7    |
| 30"                               | 60"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 120.0   |
| 42"                               |          | 100.0          | 120.0   |
| 48"                               |          | 100.0          | 108.1   |
| 54"                               |          | 100.0          | 108.1   |
| 30"                               | 66"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 120.0   |
| 42"                               |          | 100.0          | 120.0   |
| 48"                               |          | 100.0          | 120.0   |
| 54"                               |          | 100.0          | 120.0   |
| 30"                               | 72"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 120.0   |
| 42"                               |          | 99.5           | 99.5    |
| 48"                               |          | 60.9           | 60.9    |
| 54"                               |          | 40.1           | 40.1    |
| 30"                               | 78"      | 100.0          | 120.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 99.5           | 99.5    |
| 48"                               |          | 60.8           | 60.8    |
| 54"                               |          | 39.5           | 39.5    |
| 30"                               | 79"      | 100.0          | 120.0   |
| 30"                               | 84"      | 100.0          | 100.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 99.5           | 99.5    |
| 48"                               |          | 60.8           | 60.8    |
| 54"                               |          | 60.8           | 60.8    |
| 30"                               | 90"      | 100.0          | 100.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 99.5           | 99.5    |
| 48"                               |          | 99.5           | 99.5    |
| 54"                               |          | 100.0          | 100.0   |
| 30"                               | 95-3/8"  | 100.0          | 100.0   |
| 30"                               | 96"      | 100.0          | 100.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 76.9           | 76.9    |
| 48"                               |          | 100.0          | 100.0   |
| 54"                               |          | 100.0          | 100.0   |
| 30"                               | 102"     | 100.0          | 100.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 100.0          | 100.0   |
| 48"                               |          | 100.0          | 100.0   |
| 54"                               |          | 100.0          | 100.0   |
| 30"                               | 107-3/8" | 100.0          | 100.0   |
| 36"                               |          | 100.0          | 100.0   |
| 42"                               |          | 100.0          | 100.0   |
| 48"                               |          | 100.0          | 100.0   |
| 54"                               |          | 100.0          | 100.0   |

| UNEQUAL LITES SINGLE HUNG WINDOWS |        |                |         |
|-----------------------------------|--------|----------------|---------|
| DESIGN LOAD CAPACITY - PSF        |        |                |         |
| WINDOW DIMS.                      |        | GLASS TYPE 'B' |         |
| WIDTH                             | HEIGHT | EXT.(+)        | 1NT.(-) |
| 30"                               | 36"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 100.0          | 120.0   |
| 30"                               | 42"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 90.4           | 117.5   |
| 30"                               | 48"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 79.4           | 103.3   |
| 30"                               | 54"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 71.9           | 93.5    |
| 30"                               | 60"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 94.8           | 120.0   |
| 54"                               |        | 66.7           | 86.7    |
| 30"                               | 66"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 91.0           | 118.3   |
| 30"                               | 72"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 89.3           | 116.1   |
| 54"                               |        | 61.2           | 79.5    |
| 30"                               | 78"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 89.2           | 115.9   |
| 54"                               |        | 60.2           | 78.3    |
| 30"                               | 84"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 89.2           | 115.9   |
| 30"                               | 90"    | 100.0          | 120.0   |
| 36"                               |        | 100.0          | 120.0   |
| 42"                               |        | 100.0          | 120.0   |
| 48"                               |        | 100.0          | 120.0   |
| 54"                               |        | 89.2           | 115.9   |

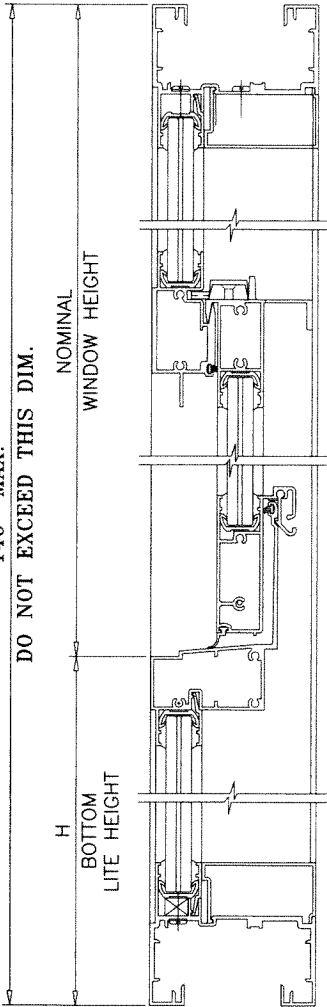


UNEQUAL LITES (ORIEL)  
SINGLE HUNG WINDOWS



UNEQUAL LITES (ORIEL)  
SINGLE HUNG OVER  
FIXED WINDOWS

| WINDOWALL BOTTOM LITE CAPACITY - PSF |        |                       |         |
|--------------------------------------|--------|-----------------------|---------|
| WINDOW DIMS.                         |        | GLASS TYPES 'A' & 'B' |         |
| WIDTH                                | HEIGHT | EXT.(+)               | 1NT.(-) |
| 42"                                  | 36"    | 100.0                 | 120.0   |
| 48"                                  |        | 100.0                 | 107.5   |
| 54"                                  |        | 72.5                  | 72.5    |
| 42"                                  | 41"    | 100.0                 | 120.0   |
| 48"                                  |        | 100.0                 | 104.3   |
| 54"                                  |        | 69.6                  | 69.6    |
| 44-3/4"                              | 41"    | 100.0                 | 120.0   |



REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN  
SINGLE HUNG WINDOW CAPACITY.

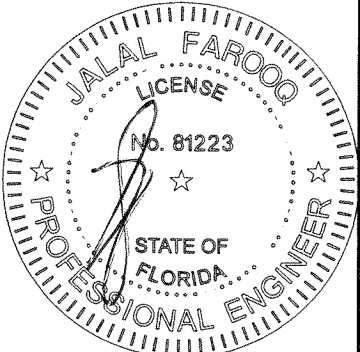
REFER TO CHART ABOVE TO OBTAIN CAPACITY OF  
BOTTOM LITE OF WINDOWALL.

REFER TO CHARTS AT SHEET 6 TO OBTAIN JAMB AND  
MULLION CAPACITY.

USE LOWEST VALUES OF OPTIONS CONSULTED.

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
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



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
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**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

| no | date     | by | description           |
|----|----------|----|-----------------------|
| C  | 06.18.16 |    | UPDATED TO 2014 FBC   |
| D  | 02.09.17 |    | REV. PER RER COMMENTS |
| E  | 12.02.20 |    | NO CHANGE THIS SHEET  |
| F  | 09.20.23 |    | NO CHANGE THIS SHEET  |

date: 03-26-07

scale: -

dr. by: TARIQ

chk. by:

drawing no.

**W07-24**

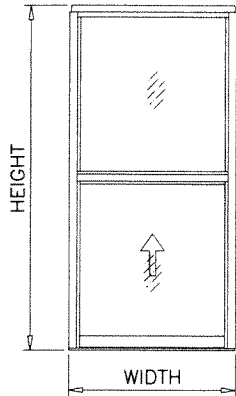
sheet 4 of 10

COMP -ANL\W07-24RC

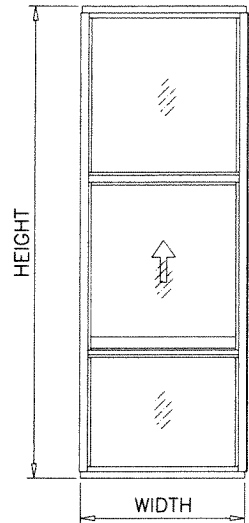
SEP 22 2023



| JAMB LOAD CAPACITY - PSF |        |         |         |
|--------------------------|--------|---------|---------|
| WINDOW DIMS.             |        | EXT.(+) | INT.(-) |
| WIDTH                    | HEIGHT |         |         |
| 24"                      | 84"    | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 120.0   |
| 42"                      |        | 100.0   | 120.0   |
| 48"                      |        | 100.0   | 120.0   |
| 54"                      |        | 100.0   | 120.0   |
| 60"                      |        | 100.0   | 120.0   |
| 24"                      | 96"    | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 120.0   |
| 42"                      |        | 100.0   | 120.0   |
| 48"                      |        | 100.0   | 120.0   |
| 54"                      |        | 100.0   | 120.0   |
| 24"                      | 108"   | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 120.0   |
| 42"                      |        | 100.0   | 120.0   |
| 48"                      |        | 100.0   | 120.0   |
| 54"                      |        | 100.0   | 120.0   |
| 24"                      | 120"   | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 120.0   |
| 42"                      |        | 100.0   | 114.7   |
| 24"                      | 126"   | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 120.0   |
| 42"                      |        | 100.0   | 104.1   |
| 24"                      | 128"   | 100.0   | 120.0   |
| 30"                      |        | 100.0   | 120.0   |
| 36"                      |        | 100.0   | 117.7   |
| 42"                      |        | 100.0   | 100.8   |
| 24"                      | 132"   | 100.0   | 100.0   |
| 30"                      |        | 100.0   | 100.0   |
| 36"                      |        | 100.0   | 100.0   |
| 39"                      |        | 100.0   | 100.0   |
| 42"                      |        | 100.0   | 100.0   |
| 24"                      | 138"   | 100.0   | 100.0   |
| 30"                      |        | 100.0   | 100.0   |
| 36"                      |        | 100.0   | 100.0   |
| 39"                      |        | 93.4    | 93.4    |
| 24"                      | 140"   | 100.0   | 100.0   |
| 30"                      |        | 100.0   | 100.0   |
| 36"                      |        | 98.3    | 98.3    |
| 38"                      |        | 93.2    | 93.2    |

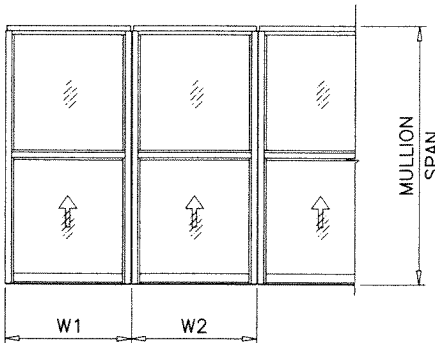


EQUAL LITES  
UNEQUAL LITES (ORIEL)  
SINGLE HUNG WINDOWS

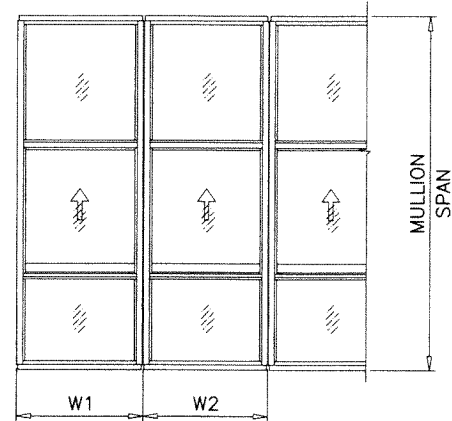


EQUAL LITES  
UNEQUAL LITES (ORIEL)  
SINGLE HUNG OVER  
FIXED WINDOWS

| MULLION LOAD CAPACITY - PSF |           |                    |
|-----------------------------|-----------|--------------------|
| WINDOW DIMS.                |           | EXT.(+)<br>INT.(-) |
| WIDTH (W)                   | MULL SPAN |                    |
| 24"                         | 90"       | 100.0              |
| 30"                         |           | 100.0              |
| 36"                         |           | 100.0              |
| 42"                         |           | 100.0              |
| 48"                         |           | 100.0              |
| 54"                         |           | 100.0              |
| 60"                         |           | 100.0              |
| 24"                         | 96"       | 100.0              |
| 30"                         |           | 100.0              |
| 36"                         |           | 100.0              |
| 42"                         |           | 100.0              |
| 48"                         |           | 100.0              |
| 54"                         |           | 100.0              |
| 60"                         |           | 100.0              |
| 24"                         | 108"      | 100.0              |
| 30"                         |           | 100.0              |
| 36"                         |           | 100.0              |
| 42"                         |           | 100.0              |
| 48"                         |           | 100.0              |
| 54"                         |           | 100.0              |
| 60"                         |           | 100.0              |
| 24"                         | 126"      | 100.0              |
| 30"                         |           | 100.0              |
| 36"                         |           | 100.0              |
| 42"                         |           | 100.0              |
| 24"                         | 140"      | 100.0              |
| 30"                         |           | 100.0              |
| 36"                         |           | 96.9               |
| 38"                         | 140"      | 91.8               |



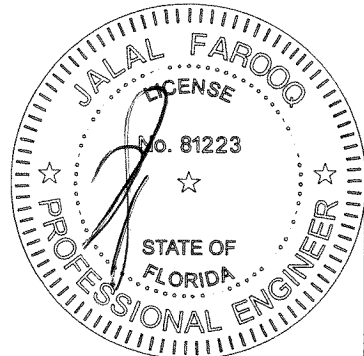
EQUAL LITES  
UNEQUAL LITES (ORIEL)  
SINGLE HUNG WINDOWS



EQUAL LITES  
UNEQUAL LITES (ORIEL)  
SINGLE HUNG OVER  
FIXED WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

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As complying with the Florida  
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NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control

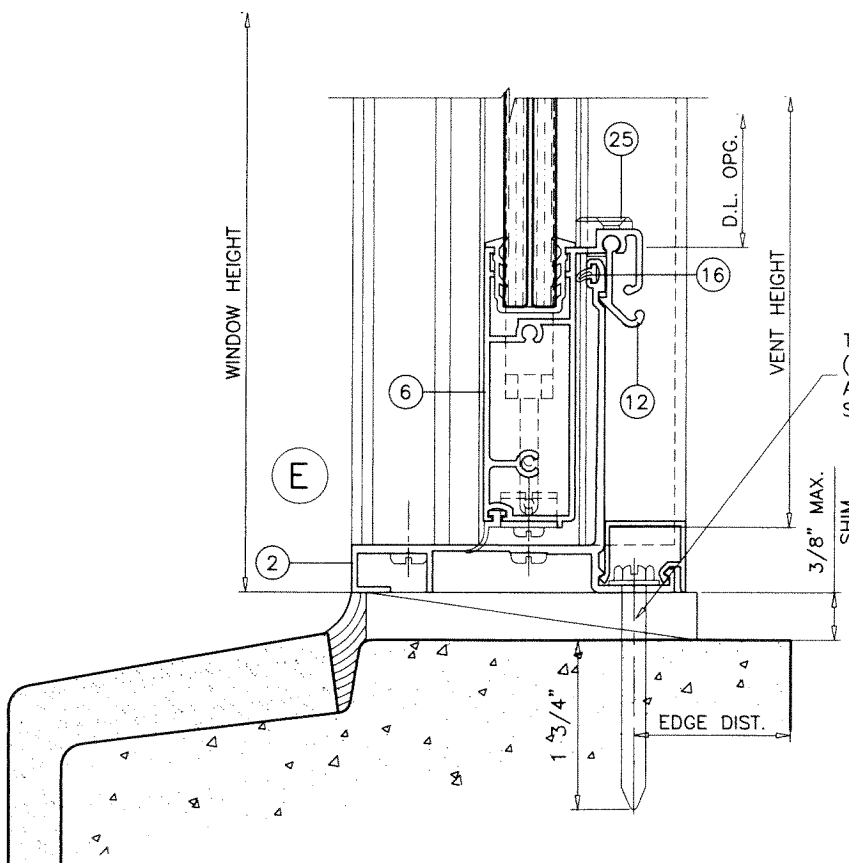
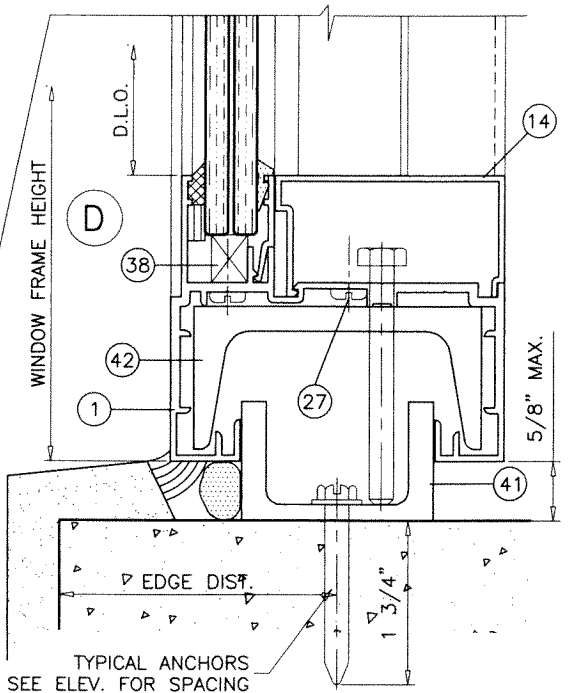
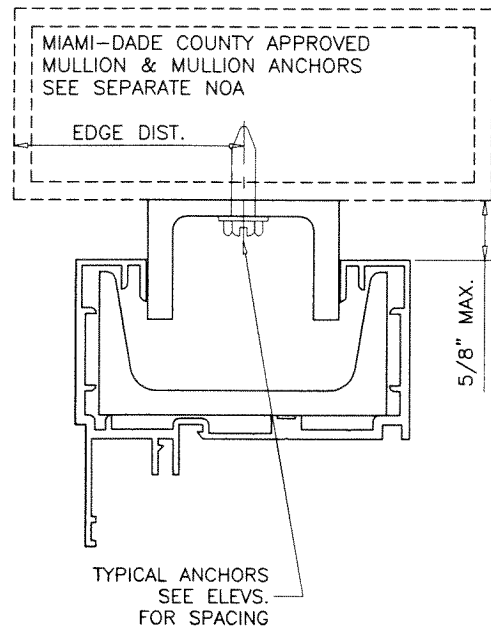
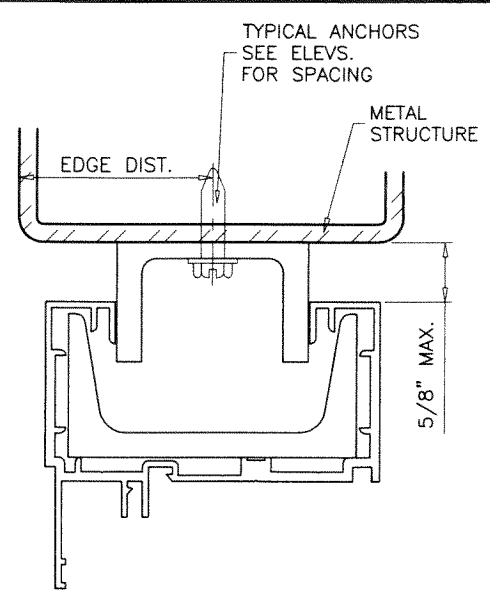
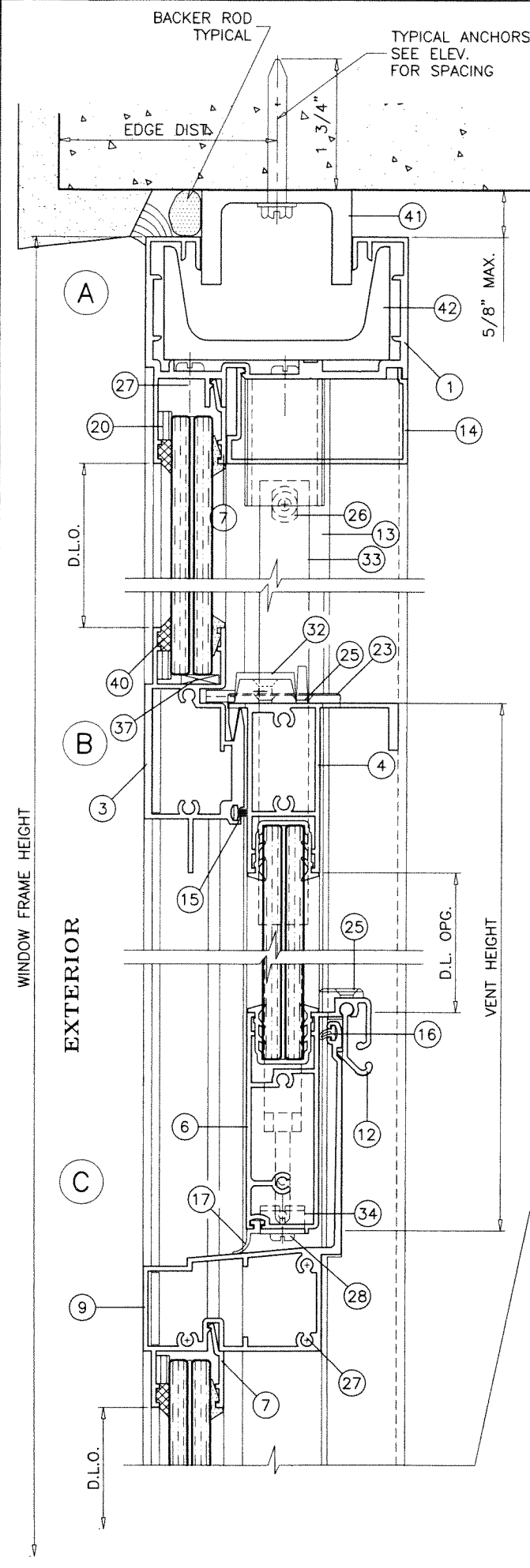


SEP 22 2023

**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 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

| revisions:  | no.      | date     | description          |
|-------------|----------|----------|----------------------|
|             | C        | 06.18.16 | UPDATED TO 2014 FBC  |
|             | D        | 02.09.17 | NO CHANGE THIS SHEET |
|             | E        | 12.02.20 | UPDATED TO 2020 FBC  |
|             | F        | 09.20.23 | NO CHANGE THIS SHEET |
| date:       | 03-26-07 | scale:   | -                    |
| dr. by:     | TARIQ    | chk. by: |                      |
| drawing no. | W07-24   | sheet    | 5 of 10              |



METAL STRUCTURES NOT BY 'TECNOGLASS', MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

TYPE 'A'- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

TYPE 'B'- 5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)  
INTO METAL STRUCTURES (HEAD/SILL)  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 3/16" THK. MIN. (6063-T5 MIN.)  
STEEL: 3/16" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**CRITICAL EDGE DISTANCE**

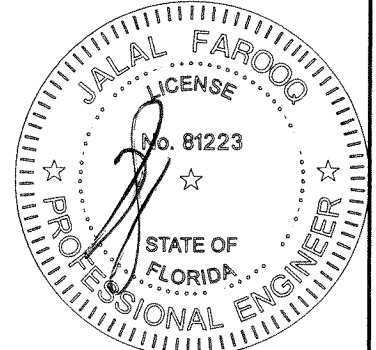
INTO CONCRETE = 2-3/16" MIN.  
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL f'c = 4000 PSI MIN.

**SEALANT:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOWSIL 795 SEALANT.

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COMP-ANL\W07-24RC

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|------------|----------|------|----------|----|----------|-------------|-----------------------|
| no         | date     | no   | date     | no | date     | no          | description           |
| C          | 06.18.16 | C    | 06.18.16 | C  | 06.18.16 | C           | UPDATED TO 2014 FBC   |
| D          | 02.09.17 | D    | 02.09.17 | D  | 02.09.17 | D           | REV. PER RER COMMENTS |
| E          | 12.02.20 | E    | 12.02.20 | E  | 12.02.20 | E           | UPDATED TO 2020 FBC   |
| F          | 09.20.23 | F    | 09.20.23 | F  | 09.20.23 | F           | NO CHANGE THIS SHEET  |

date: 03-26-07

scale: 1/2" = 1"

dr. by: TARIQ

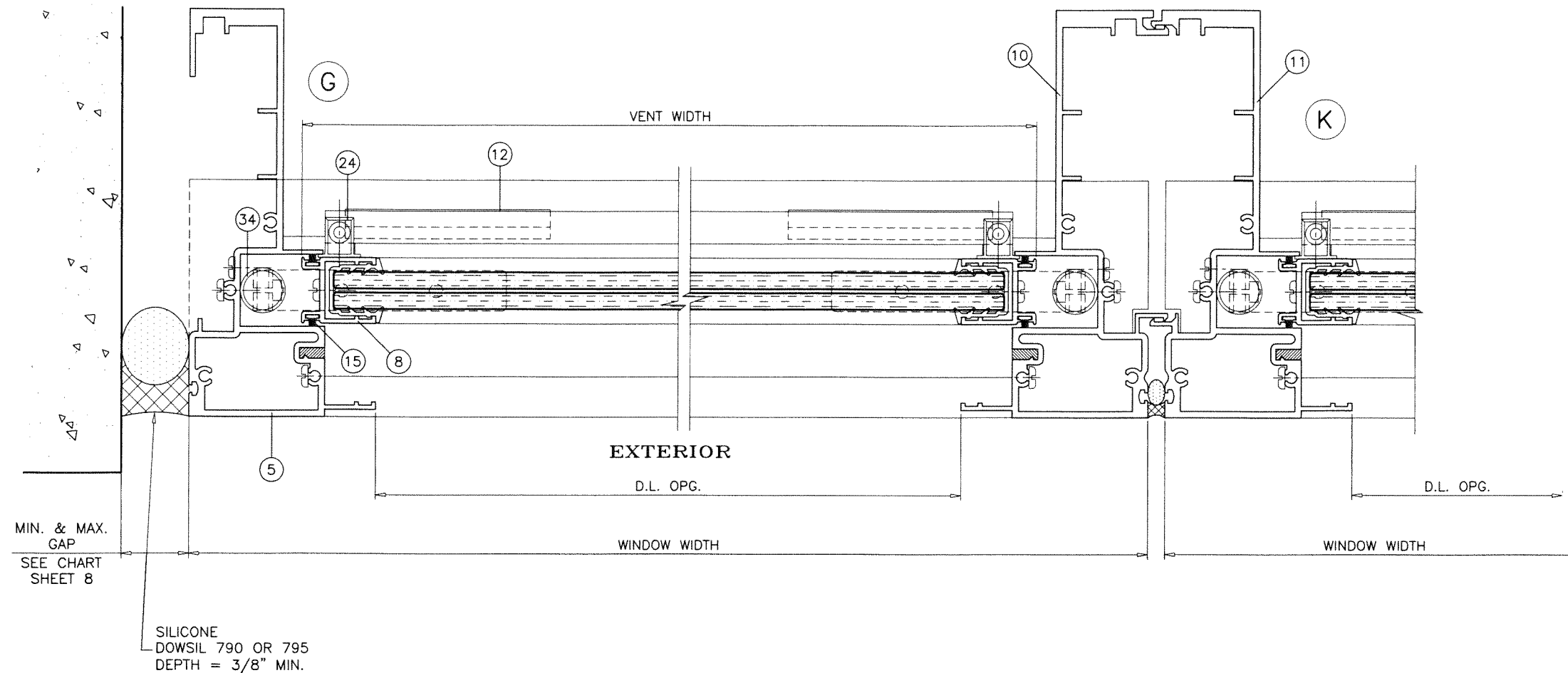
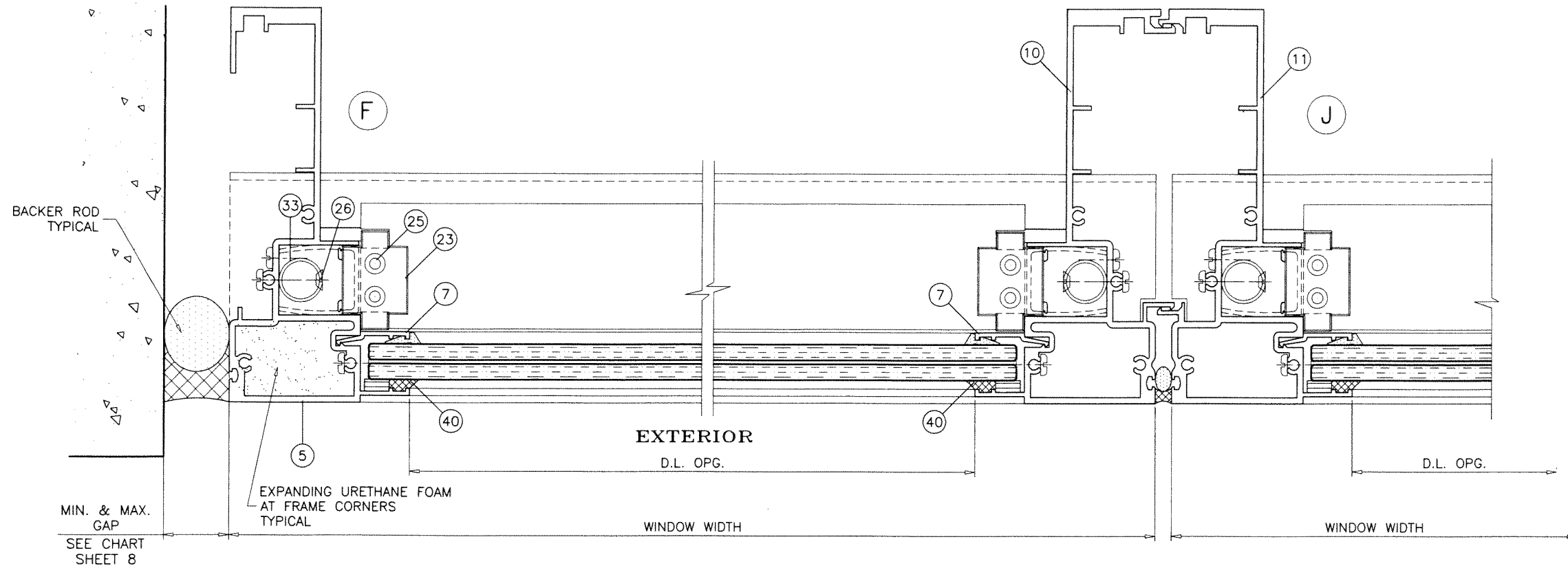
chk. by:

drawing no.

**W07-24**

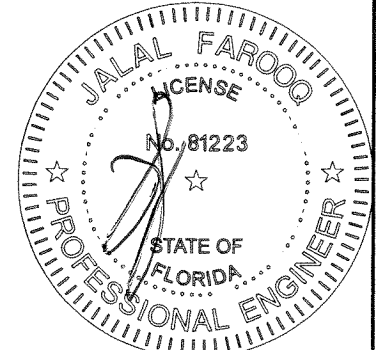
sheet 6 of 10





SEP 22 2023

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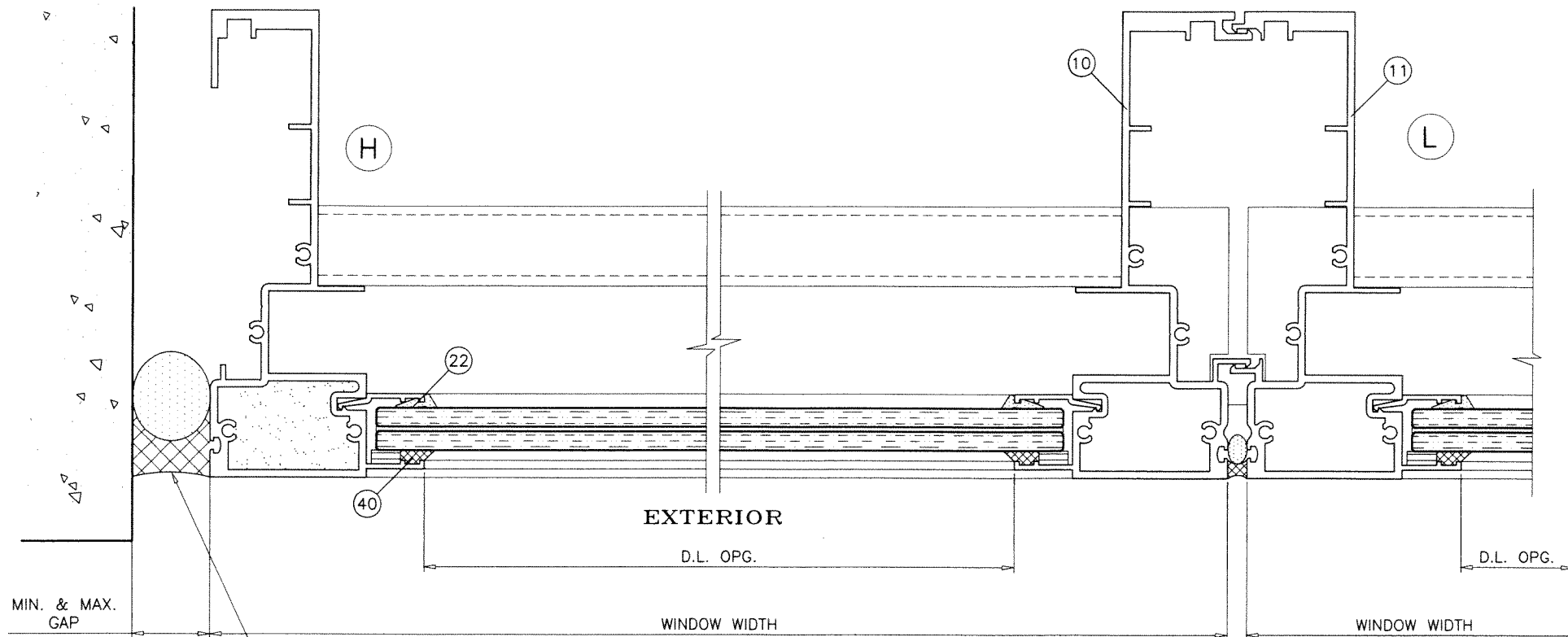
  

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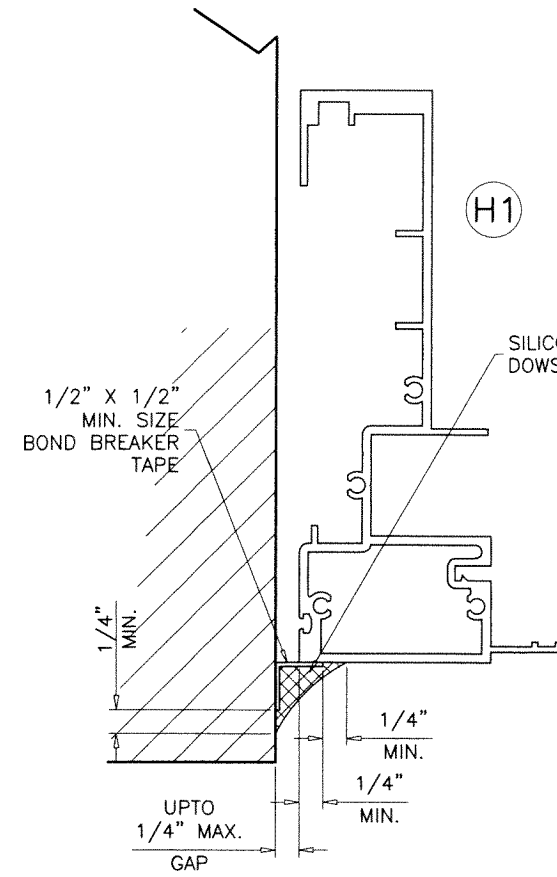
  

|             |         |
|-------------|---------|
| drawing no. | W07-24  |
| sheet       | 7 of 10 |

COMP-ANL\W07-24RC



SILICONE  
DOWSIL 790 OR 795  
DEPTH = 3/8" MIN.  
FOLLOW GUIDELINES ESTABLISHED  
BY SEALANT MANUFACTURER



NOTE:  
THIS CONDITION ALLOWS MAX. DEFLECTION OF .80 IN.  
APPLICABLE FOR GAPS OF 0 TO 1/2".

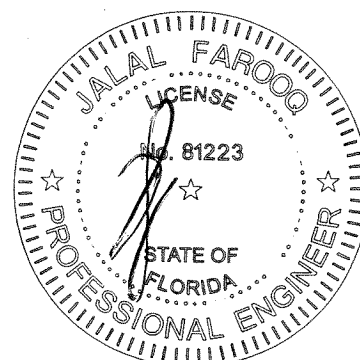
FOR A GIVEN MULLION SPACING, HEIGHT AND DESIGN PRESSURE  
DETERMINE DEFLECTION USING CHART AT RIGHT.  
FROM CHART BELOW DETERMINE THE MIN. GAP (G)  
REQUIRED FOR PROJECT.  
FOR GAPS LESS THAN 1/4 INCHES USE BOND BREAKER TAPE  
AS SHOWN IN DETAIL 'H1' AT LEFT.  
CHART BELOW APPLICABLE TO DETAIL 'H' ONLY

| MIN.<br>GAP (G) | MAX. DEFLECTION |            |
|-----------------|-----------------|------------|
|                 | DOWSIL 790      | DOWSIL 795 |
| .375"           | .650"           | .420"      |
| .500"           | .778"           | .560"      |
| .625"           | .778"           | .699"      |
| .750"           | .778"           | .778"      |
| .875"           | .778"           | .778"      |
| 1.000"          | .778"           | .778"      |

ALTERNATE SEALANTS OR JAMB GAPS CAN BE  
DESIGNED BY ENGINEER OF RECORD  
BASED ON MANUFACTURER GUIDE LINES.

| NOMINAL DIMS. |              | UNANCHORED JAMBS DEFLECTION |            |            |
|---------------|--------------|-----------------------------|------------|------------|
| WIDTH (W)     | FRAME HEIGHT | AT 90 PSF                   | AT 100 PSF | AT 120 PSF |
| 24"           | 96"          | .099"                       | .110"      | .132"      |
| 30'           |              | .124"                       | .138"      | .166"      |
| 36"           |              | .149"                       | .166"      | .199"      |
| 42"           |              | .174"                       | .193"      | .232"      |
| 48"           |              | .199"                       | .221"      | .265"      |
| 54"           |              | .224"                       | .248"      | .298"      |
| 56"           |              | .232"                       | .258"      | .309"      |
| 24"           | 108"         | .159"                       | .177"      | .212"      |
| 30'           |              | .199"                       | .221"      | .265"      |
| 36"           |              | .239"                       | .265"      | .318"      |
| 42"           |              | .278"                       | .309"      | .371"      |
| 48"           |              | .318"                       | .354"      | .424"      |
| 49"           |              | .325"                       | .361"      | .433"      |
| 24"           | 120"         | .243"                       | .269"      | .323"      |
| 30'           |              | .303"                       | .337"      | .404"      |
| 36"           |              | .364"                       | .404"      | .485"      |
| 42"           |              | .424"                       | .472"      | .566"      |
| 44"           |              | .445"                       | .494"      | .593"      |
| 24"           | 126"         | .295"                       | .328"      | .393"      |
| 30'           |              | .368"                       | .409"      | .491"      |
| 36"           |              | .442"                       | .491"      | .590"      |
| 42"           |              | .516"                       | .573"      | .688"      |
| 24"           | 128"         | .314"                       | .349"      | .419"      |
| 30'           |              | .392"                       | .436"      | .523"      |
| 36"           |              | .471"                       | .523"      | .628"      |
| 42"           |              | .549"                       | .610"      | -          |
| 24"           | 132"         | .355"                       | .395"      | -          |
| 30'           |              | .444"                       | .493"      | -          |
| 36"           |              | .533"                       | .592"      | -          |
| 40"           |              | .592"                       | .658"      | -          |
| 24"           | 138"         | .424"                       | .471"      | -          |
| 30'           |              | .530"                       | .589"      | -          |
| 36"           |              | .636"                       | .707"      | -          |
| 38"           |              | .672"                       | .746"      | -          |
| 24"           | 140"         | .449"                       | .499"      | -          |
| 30'           |              | .562"                       | .624"      | -          |
| 36"           |              | .674"                       | .749"      | -          |
| 38"           |              | .711"                       | .755"      | -          |

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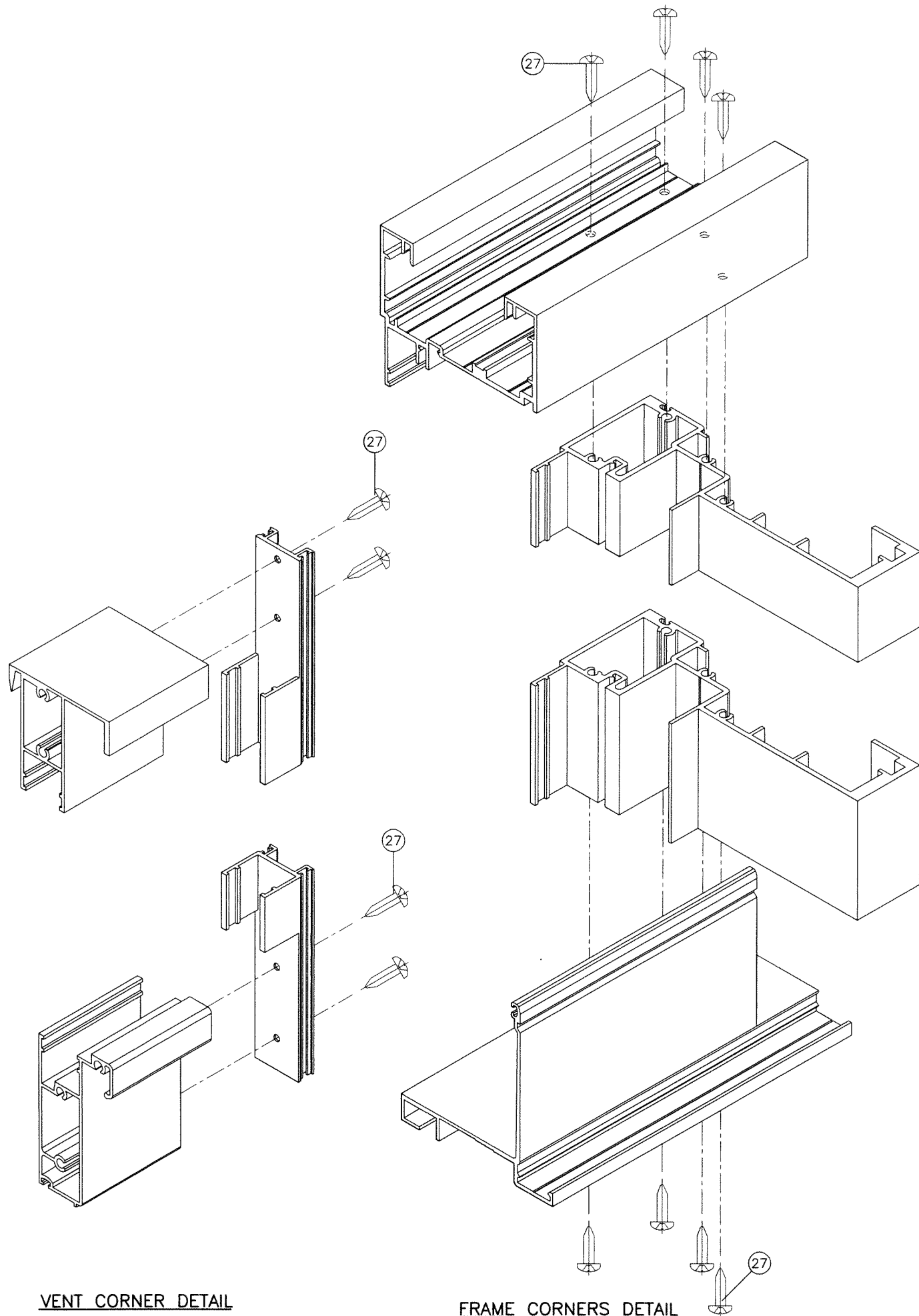
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scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-24**  
sheet **8** of 10

COMP-ANL\W07-24RC

SEP 22 2023



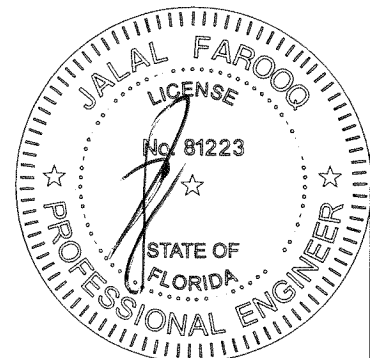


VENT CORNER DETAIL

FRAME CORNERS DETAIL

| ITEM # | PART #     | REQD.    | DESCRIPTION                                  | MATERIAL | MANF./SUPPLIER/REMARKS    |
|--------|------------|----------|--|----------|---------------------------|
| 1      | 500Y-017   | AS REQD. | HEAD & FIXED SILL                            | 6063-T6  | AT FRAME                  |
| 2      | 500Y-002   | AS REQD. | FRAME SILL                                   | -        | AT FRAME                  |
| 3      | 500Y-003   | 1        | MEETING RAIL                                 | 6005-T5  | AT FRAME                  |
| 4      | 500Y-028   | 1        | VENT TOP                                     | 6005-T5  | SASH VENT                 |
| 5      | 500Y-019   | 2        | JAMB   | 6063-T6  | AT FRAME                  |
| 6      | 500Y-006   | 1        | VENT BOTTOM                                  | 6063-T6  | SASH VENT                 |
| 7      | 500Y-007   | AS REQD. | GLAZING BEAD                                 | 6063-T6  | AT FIXED GLASS            |
| 8      | 500Y-008   | 2        | VENT SIDE                                    | 6063-T6  | SASH VENT                 |
| 9      | 500Y-009   | AS REQD. | SILL MEETING RAIL                            | 6005-T5  | AT FRAME                  |
| 10     | 500Y-015   | AS REQD. | MALE MULLION                                 | 6063-T6  | -                         |
| 11     | 500Y-016   | AS REQD. | FEMALE MULLION                               | 6063-T6  | -                         |
| 12     | 500Y-012   | 2/VENT   | HANDICAP FINGER LOCK                         | 6063-T6  | SASH VENT                 |
| 13     | 500Y-013   | 1        | VENT STOP                                    | 6063-T6  | AT TOP OF FRAME           |
| 14     | 550Y-018   | AS REQD. | FRAME COVER                                  | 6063-T6  | -                         |
| 15     | W33261NK   | AS REQD. | WEATHERSTRIPPING PILE                        | -        | AT VENT SIDE MEETING RAIL |
| 16     | WV-3189    | AS REQD. | WEATHERSTRIPPING GASKET                      | VINYL    | SILL & SILL MEETING RAIL  |
| 17     | V-048      | AS REQD. | WEATHERSTRIPPING GASKET, BOTTOM OF SASH VENT | TPE      | MELTPOINT, DUROMETER 75±5 |
| 21     | V-049      | AS REQD. | GLAZING GASKET                               | TPE      | MELTPOINT, DUROMETER 70±5 |
| 22     | V-053      | AS REQD. | GLAZING WEDGE                                | TPE      | MELTPOINT, DUROMETER 75±5 |
| 23     | P-012      | 2/ VENT  | VENT TOP GUIDE PLASTIC M&M                   | NYLON    | TOP OF SASH VENT          |
| 24     | P-013      | 2/ VENT  | VENT BOTTOM GUIDE PLASTIC M&M                | NYLON    | BOTTOM OF SASH VENT       |
| 25     | -          | AS REQD. | #8 X 3/8" LG. FH. SMS. ST/ST PHILLIPS        | -        | AT P-012, P-013 & PD-203  |
| 26     | -          | 2        | #8 X 1" LG. FH. SMS. ST/ST PHILLIPS          | -        | AT TOP OF BALANCE         |
| 27     | -          | AS REQD. | #10 X 1" LG. PH. SMS. ST/ST PHILLIPS         | -        | ASSEMBLY SCREWS           |
| 28     | -          | 6        | #10 X 3/4" LG. PH. SMS. ST/ST PHILLIPS       | -        | AT BALANCE CLIP           |
| 29     | -          | -        | -  | -        | -                         |
| 32     | PD-203     | 2/ WDW   | SASH LOCK                                    | -        | AT TOP OF SASH            |
| 33     | -          | 2/ WDW   | ULTRA-LIFT BALANCE #30                       | -        | AT FRAME                  |
| 34     | -          | 2/ WDW   | ULTRA-LIFT NON TILT BRACKET                  | -        | -                         |
| 36     | -          | -        | 1/4" X 1/2" FOAM TAPE SINGLE FACE            | -        | -                         |
| 37     | -          | 2/ LITE  | 1/8" X 1/2" X 4" LG. SETTING BLOCK           | EPDM     | DUROMETER 80±5 SHORE A    |
| 38     | -          | 2/ LITE  | 3/8" X 1/2" X 4" LG. SETTING BLOCKS          | EPDM     | DUROMETER 80±5 SHORE A    |
| 40     | DOWSIL 795 | -        | GLAZING COMPOUND                             | SILICONE | -                         |
| 41     | 500Y-021   | AS REQD. | ANCHOR CHANNEL                               | 6063-T6  | 9 IN. & 12" LONG LONG     |
| 42     | 500Y-020   | AS REQD. | REINFORCING CHANNEL                          | 6063-T6  | 9 IN. LONG                |

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Miami-Dade Product Control



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**af c**  
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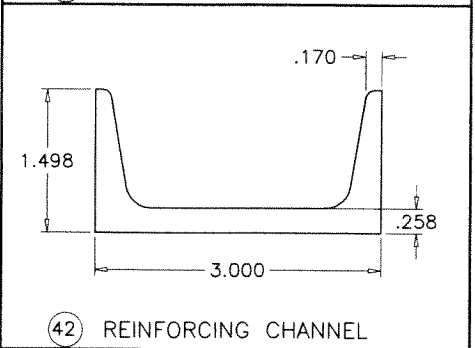
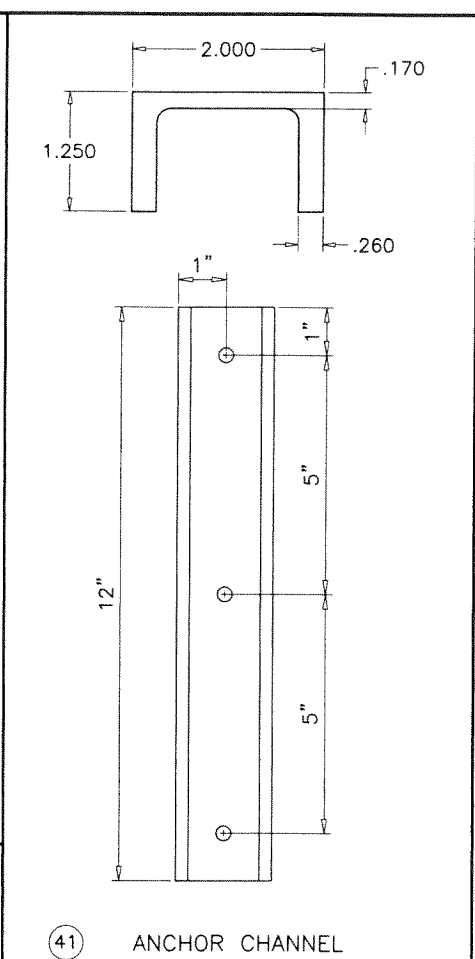
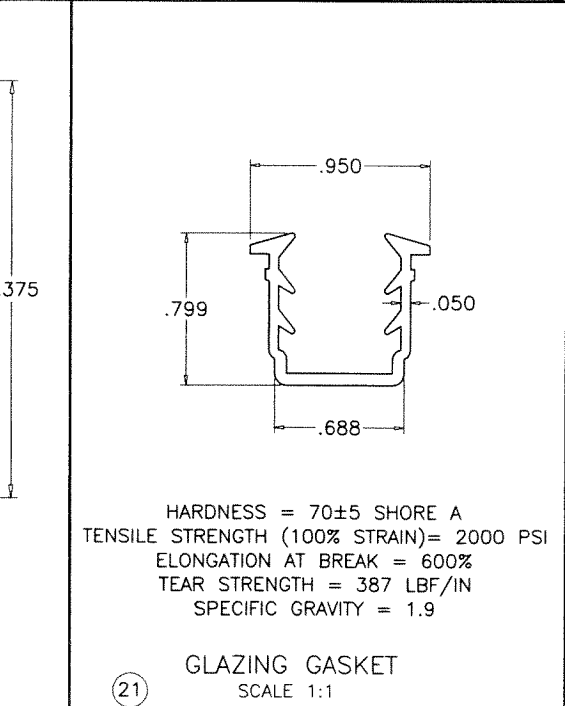
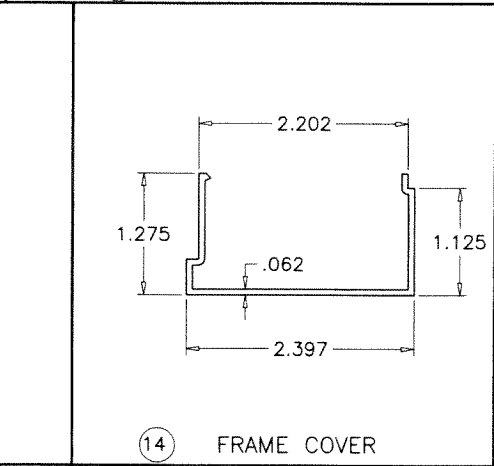
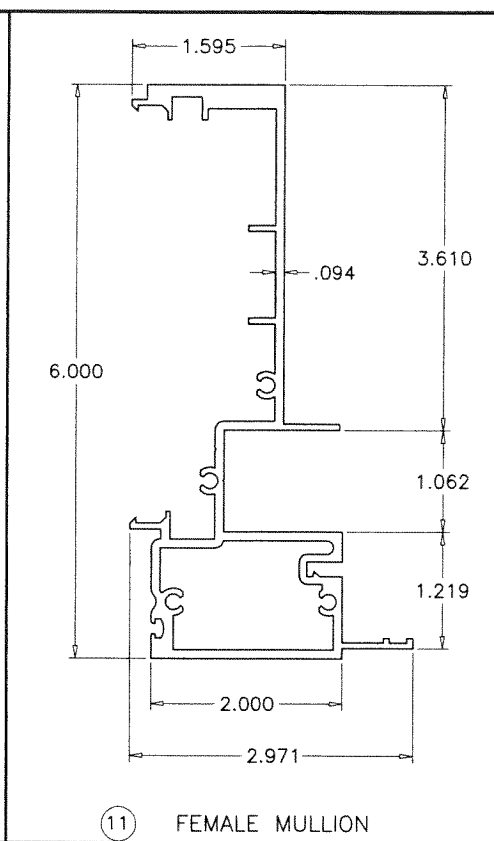
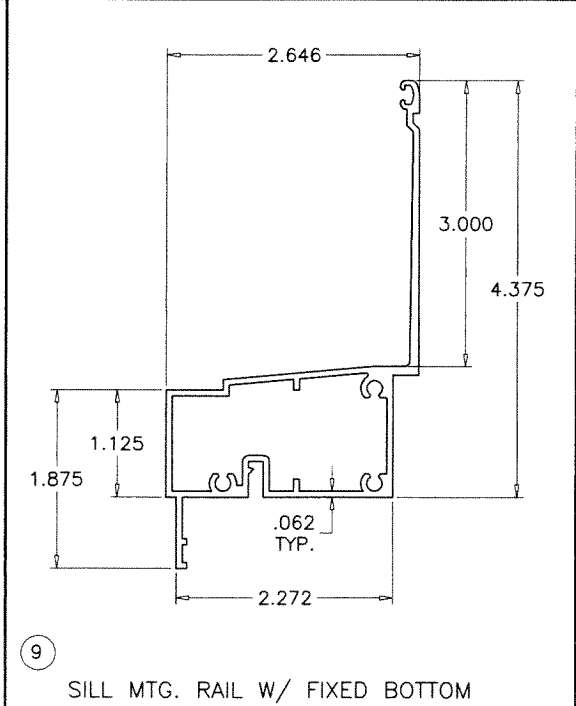
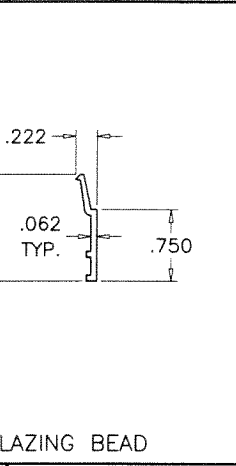
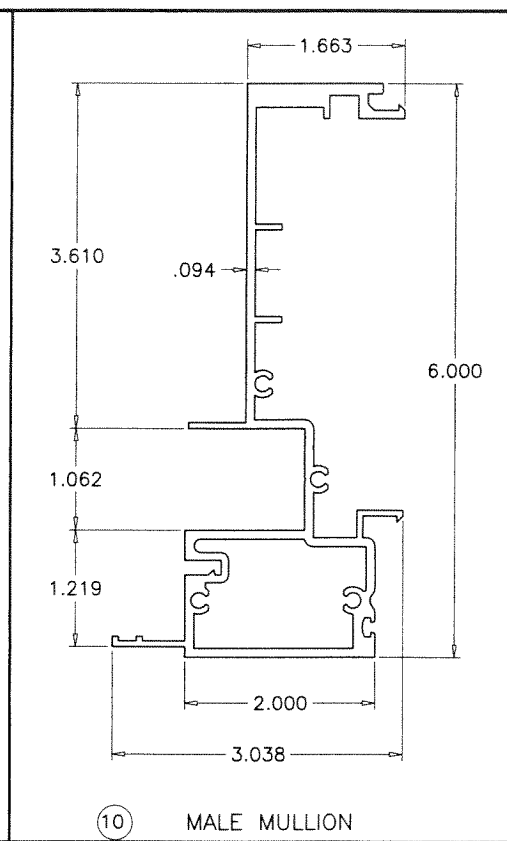
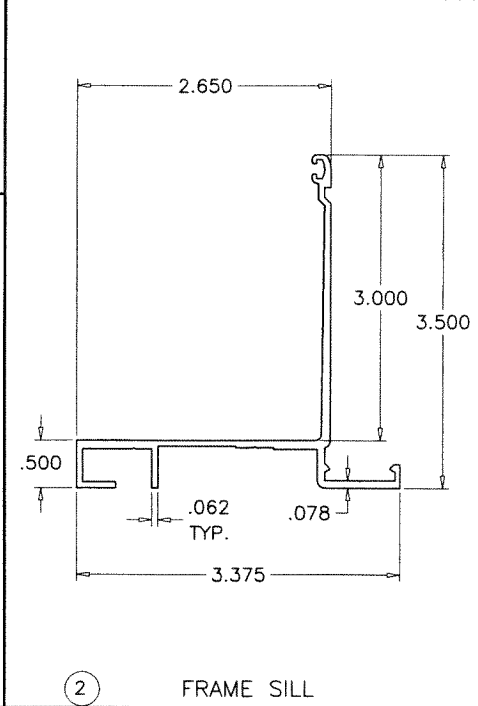
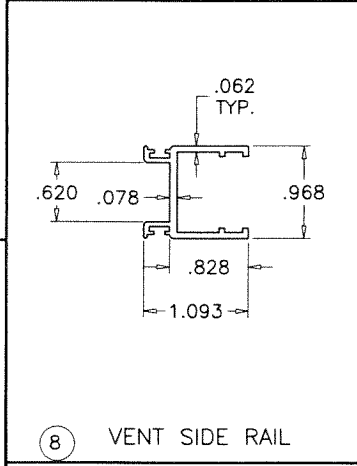
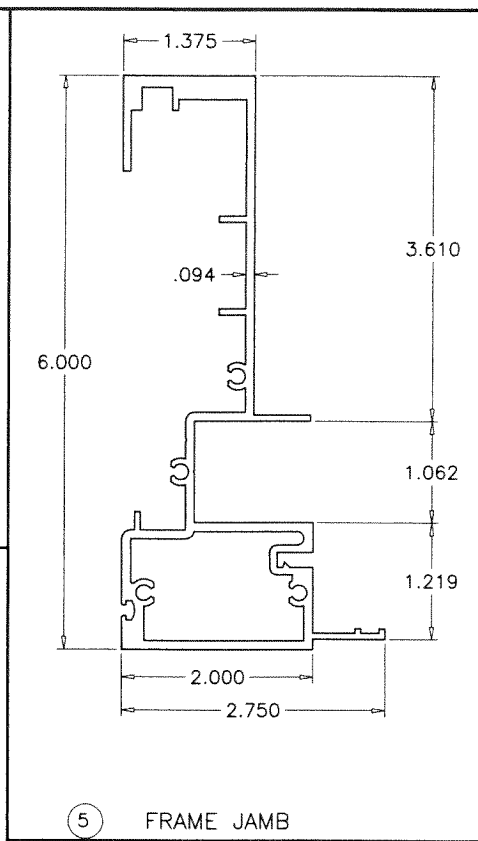
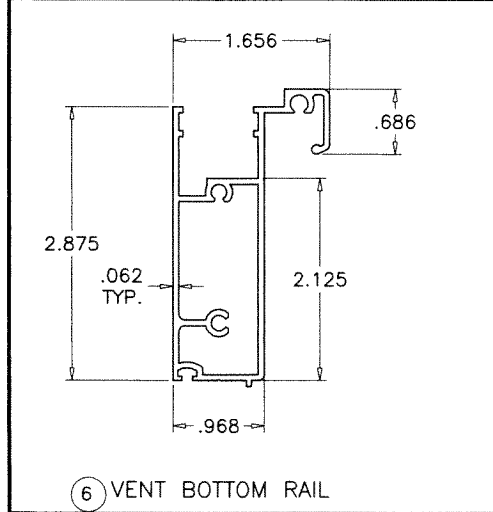
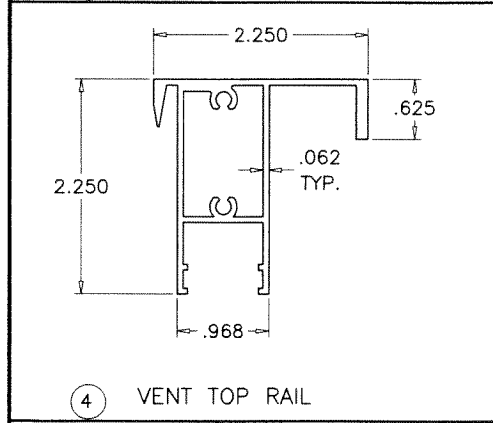
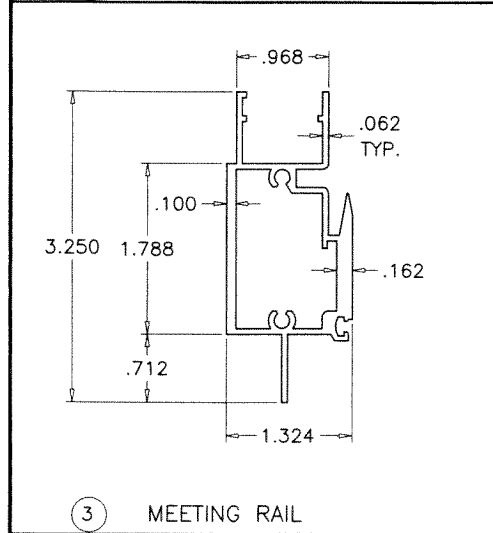
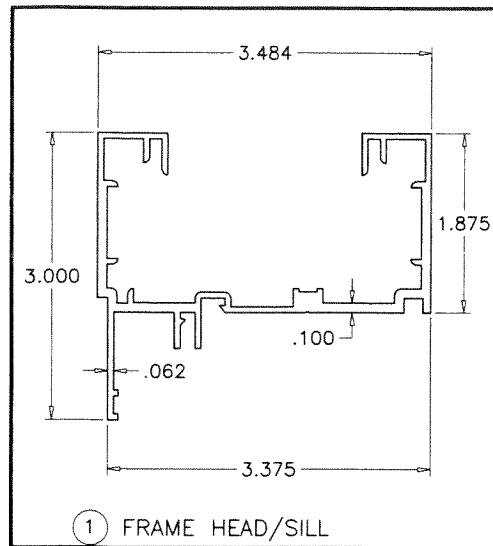
dr. by: TARIQ

chk. by:

drawing no.  
**W07-24**

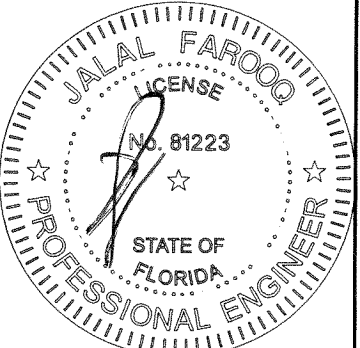
sheet 9 of 10

COMP-ANL\W07-24RC



**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-0928.15**  
Expiration Date: **03/09/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control

SEP 22 2023



**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 - 24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

| no. | date     | by | description          |
|-----|----------|----|----------------------|
| C   | 06.18.16 |    | UPDATED TO 2014 FBC  |
| D   | 02.09.17 |    | NO CHANGE THIS SHEET |
| E   | 12.02.20 |    | NO CHANGE THIS SHEET |
| F   | 09.20.23 |    | NO CHANGE THIS SHEET |

|                           |                  |               |          |
|---------------------------|------------------|---------------|----------|
| date: 03-26-07            | scale: 1/2" = 1" | dr. by: TARIQ | chk. by: |
| drawing no. <b>W07-24</b> |                  |               |          |
| sheet 10 of 10            |                  |               |          |