



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

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 "2400 ST" Aluminum Sliding Glass Door – S.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W01-54**, titled "Series-2400ST Alum. Sld. Glass Door (S.M.I.)", sheets 1, 1.1, 2, 3, 4, 5, 5.1, 6 and 7 through 10 of 10, dated 08/17/01, with revision **V** dated 04/23/26, 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.

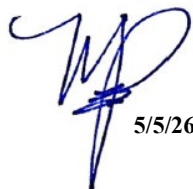
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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 and renews** NOA No. **17-1115.03** and consists of this page 1, evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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



  
 5/5/26

NOA No. 20-0113.03  
 Expiration Date: February 07, 2027  
 Approval Date: May 14, 2026  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

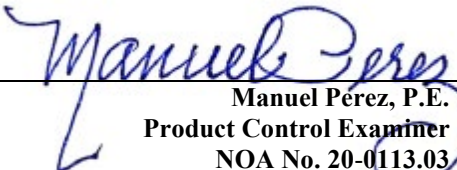
**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 04-0803.04 and 14-0807.15)*
2. Drawing No. **W01-54**, titled "Series-2400ST Alum. Sld. Glass Door (S.M.I.)", sheets 1 through 10 of 10, with revision **R** dated 11/06/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under NOA No. 17-1115.03)*

**B. TESTS**

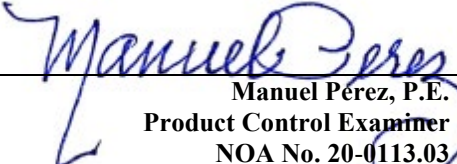
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5718**, dated 09/15/08, **FTL-5719**, dated 09/25/08, **FTL-5723**, dated 10/01/08, **FTL-5677**, dated 09/04/08 and **FTL-5118**, dated 08/28/08, all signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 08-1119.07)*
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 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5108**, dated 02/02/07, signed and sealed by Michael Wenzel, P.E.  
*(Submitted under NOA No. 07-1019.01)*

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
Approval Date: May 14, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

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  
6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4895**, dated 08/23/06, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 07-0124.07)*
4. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4993**, dated 07/19/06, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 07-0124.07)*
5. 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  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4615**, dated 06/16/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 07-0124.07)*
6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3106**, dated 08/03/01, signed and sealed by Luis Figueredo, P.E.  
*(Submitted under NOA No. 07-0124.07)*

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
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**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**B. TESTS (CONTINUED)**

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

along with marked-up drawings and installation diagram of aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-01074**, dated 06/25/01, signed and sealed by Luis Figueredo, P.E.

*(Submitted under NOA No. 04-0803.04)*

**C. CALCULATIONS**


1. Anchor verification calculations complying with FBC 6<sup>th</sup> Edition (2017) prepared by Al Farooq Corporation, dated 11/09/17 and revised on 04/11/18, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under NOA No. 17-1115.03)*
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. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18
2. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/19/17, expiring on 07/08/19.
3. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/17/16, expiring on 05/21/21.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
Approval Date: May 14, 2026

**Tecnoglass, LLC**

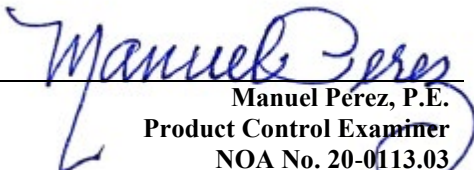
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

1. Statement letter of conformance, complying with the **FBC 6<sup>th</sup> Edition (2017)** and of no financial interest, dated 04/11/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under NOA No. 17-1115.03)*
2. Distribution agreement dated 02/17/17 between Energia Solar, SA, Columbia and Tecnoglass, LLC (USA), signed by Ms. Carla Garcia, Int'l Sales Manager and Ms. Evelyn Daes, General Manager, on behalf of their respective companies.  
*(Submitted under NOA No. 16-0309.08)*
3. Asset purchase agreement dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc. and Mr. José M. Daes, for and on behalf of Tecnoglass, LLC.  
*(Submitted under NOA No. 14-0807.15)*
4. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of assets and relinquishing of all rights of NOA No. **12-0202.03**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.  
*(Submitted under NOA No. 14-0807.15)*
5. Department of State Certification of **TECNOGLASS, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/03/14 and signed by Ken Detzner, Secretary of State.  
*(Submitted under NOA No. 14-0807.15)*
6. Statements of lab compliance, part of the above test reports.  
*(Submitted under NOA No. 14-0807.15)*

**G. OTHERS**

1. Notice of Acceptance No. **16-0309.08**, issued to Tecnoglass, LLC., for their Series "2400 ST" Aluminum Sliding Glass Door – S.M.I., approved on 03/16/17 and expiring on 02/07/22.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
Approval Date: May 14, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W01-54**, titled “Series-2400ST Alum. Sld. Glass Door (S.M.I.)”, sheets 1, 1.1, 2, 3, 4, 5, 5.1, 6, and 7 through 10 of 10, dated 08/17/01, with revision **V** dated 04/23/26, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94  
3) Water Resistance Test, per FBC, TAS 202–94  
4) 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 (b) and TAS 202–94  
7) Drop Load Test, per ANSI Z97.1, Class A, 400 ft-lb energy impact.  
along with marked-up drawings and installation diagram of a 2400ST aluminum sliding glass door, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-18-001**, dated 01/24/18, signed and sealed by Constantin Bortes, P.E.

**C. CALCULATIONS**

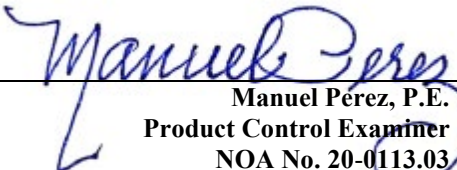
1. Anchor verification calculations and structural analysis, complying with FBC 8<sup>th</sup> Edition (2023), dated 04/27/26, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E 1300-09**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 08/31/23, expiring on 07/04/28
2. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 03/21/24, expiring on 07/08/29.
3. Notice of Acceptance No. **25-0904.04** issued to **Eastman Chemical Company (MA)** for their “**Saflex PVB Interlayers - Clear and Colored for Glass**” dated 01/29/26, expiring on 05/21/31.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
Approval Date: May 14, 2026

**Tecnoglass, LLC**


**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED (CONTINUED)**  
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated April 27, 2026, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Letter of Authorization from ES Windows, LLC dated 03/28/25 granting permission to Tecnoglass, LLC to use test Report No. BT-ESW-18-001 for product certification and compliance purposes, signed by Evelyn Daes, General Manager, ES Windows LLC.
3. Distribution agreement dated 05/21/25 between Energia Solar, SA, Columbia and Tecnoglass, LLC (USA), signed by MS. Andrea Zambrano, General Counsel and MS. Evelyn Daes, General Manager on behalf of their respective companies.

**G. OTHERS**

1. Notice of Acceptance No. **17-1115.03**, issued to Tecnoglass, LLC., for their Series “2400 ST” Aluminum Sliding Glass Door – S.M.I., approved on 05/17/18 and expiring on 02/07/22.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0113.03  
Expiration Date: February 07, 2027  
Approval Date: May 14, 2026

**SERIES-2400ST ALUMINUM SLIDING GLASS DOOR**

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

USING CHARTS ON SHEET 3 SELECT ANCHOR OPTION (1/4" MAX. SHIM) WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.

LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS (HEAD & SILL) WILL APPLY TO ENTIRE SYSTEM, WHEN SHIM AT JAMBS EXCEED 1/4", LOWER D<sub>p</sub> FROM GLASS, ANCHOR CHART (HEAD/SILL ON SHEET 3) OR JAMB CHART (SHEET 6) SHALL CONTROL FOR ENTIRE ASSEMBLY SYSTEM.

DOORS MUST COMPLY WITH EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

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

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

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

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

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

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT 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)'.

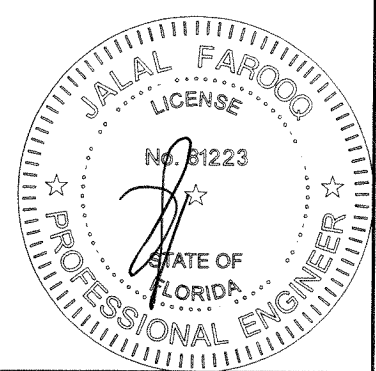
DOORS WITH GLASS TYPE 'B' COMPLIES WITH REQUIREMENTS OF ANSI Z97.1. SAFEGUARD REQUIREMENTS TO BE VERIFIED.

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.

**PRODUCT REVISED**  
**as complying with the Florida Building Code**  
**NOA-No. 20-0113.03**  
**Expiration Date: 02/07/2027**

By: *Manuel Perez*  
 Miami-Dade Product Control

APR 24 2026



<b>afc</b>	
<b>AL-FAROOQ CORPORATION</b> ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 (C.A.N. 3538)	
SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)	<b>TECNOGLASS, LLC</b> 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158
date: 08-17-01	scale: 1/2"=1'-0"
dr. by: TARIQ	chk. by:
drawing no. <b>W01-54</b>	
sheet 1 of 10	

no	date	by	description
S	08.13.18		REV. PER NEW TEST REPORT
T	12.15.20		UPDATED TO 2020 FBC
U	03.18.21		REV. PER PER COMMENTS
V	04.23.26		UPDATED TO 2023 FBC

COMP-ANL\W01-54RC

132" MAX. (GLASS TYPES 'B' & 'C')  
120" MAX. (GLASS TYPE 'A1')

DOOR FRAME HEIGHT

130 1/8"

PANEL HEIGHT

126 1/2"

D.L. OPG.

(E1)

(35)

OR

(36)

2 1/2" MAX.  
HEAD/SILL  
CORNERS

CLUSTER OF HEAD ANCHORS  
SEE CHARTS ON SHEET 3  
FOR QUANTITIES

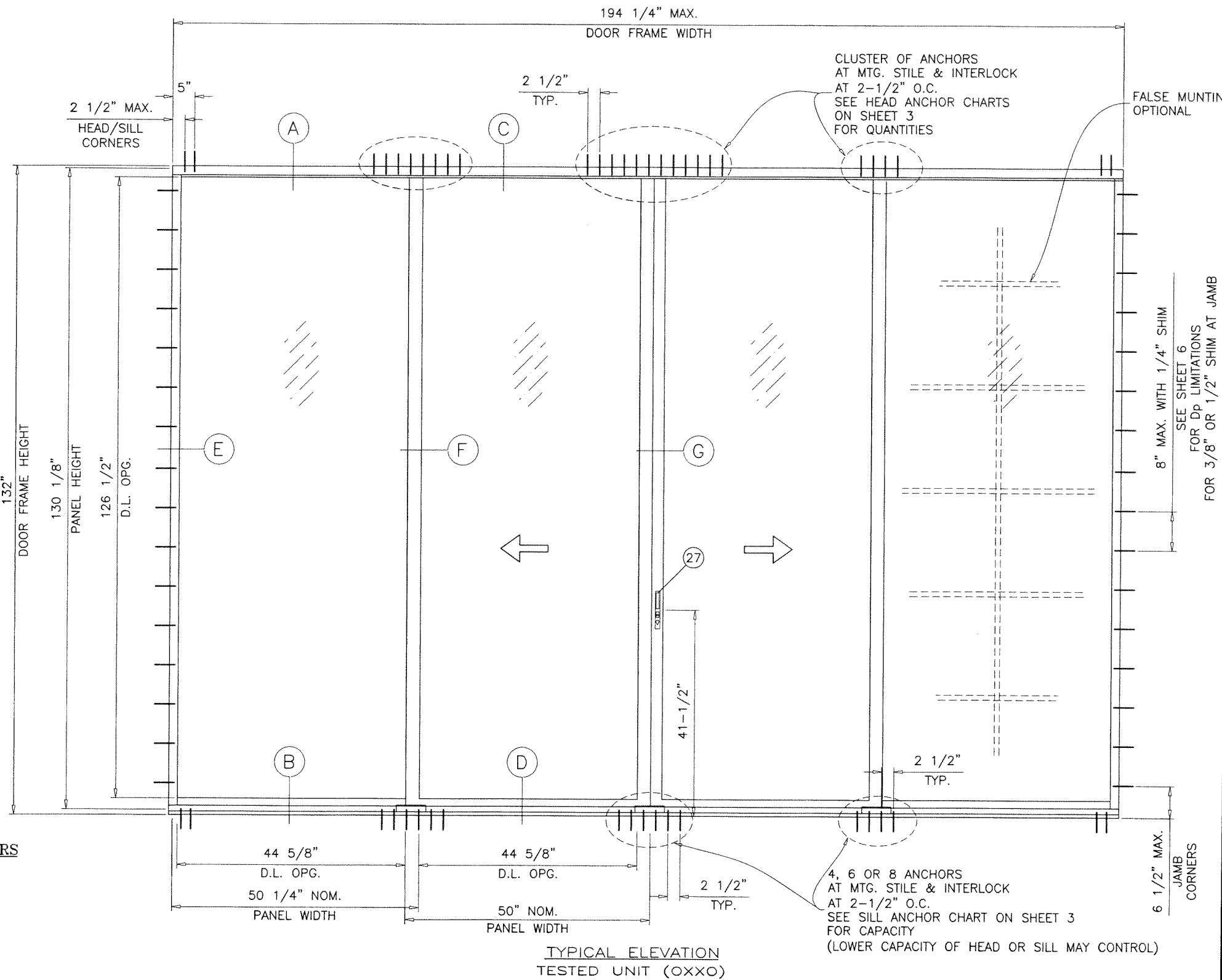
2, 3 OR 4 ANCHORS  
AT 2-1/2" O.C.  
AT FRAME SILL  
(SEE ANCHOR CHART SHEET 3)

**FREE STANDING JAMB OPTION W/O SIDE JAMB ANCHORS**  
SEE SHEET 2 FOR LIMITATIONS

**DAYLITE OPENINGS:**

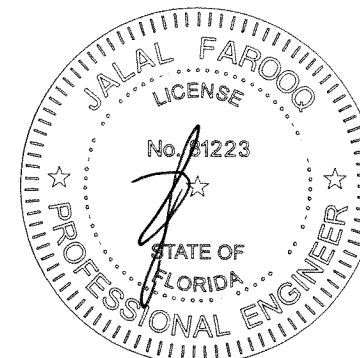
DLO WIDTH = FIX. PANEL WIDTH - 5.625"  
DLO WIDTH = OPER. PANEL WIDTH - 5.375"  
DLO HEIGHT = FRAME HEIGHT - 5.500"  
PANEL HEIGHT = FRAME HEIGHT - 1.875"

ALTERNATE SIZE UNITS:  
MAX. FRAME AREA OF 4 PANEL DOORS NOT TO EXCEED  
TESTED FRAME AREA OF 178 SQ. FT.



**TYPICAL ELEVATION**  
TESTED UNIT (OXXO)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0113.03**  
Expiration Date: **02/07/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control



APR 24 2026

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

SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
S	08.13.18	REV. PER NEW TEST REPORT
T	12.15.20	UPDATED TO 2020 FBC
U	03.18.21	REV. PER PER COMMENTS
V	04.23.26	NO CHANGE THIS SHEET

date: 08-17-01  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W01-54**  
sheet 1.1 of 10

COMP-ANL\W01-54RC

DESIGN LOAD CAPACITY - PSF									
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'A'		GLASS TYPE 'A1'		GLASS TYPE 'B'		GLASS TYPE 'C'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	96	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	117.8	117.8	106.7	108.9	117.8	117.8
60		-	-	106.0	106.0	96.0	96.0	106.0	106.0
30	102	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	117.8	117.8	106.7	108.9	117.8	117.8
60		-	-	-	-	96.0	96.0	97.1	97.1
30	103-3/8	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
44		131.0	142.0	131.0	131.0	120.0	133.6	131.0	131.0
48		-	-	-	-	120.0	122.5	-	-
30	108	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	-	-	106.7	106.7	107.9	107.9
30	114	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	-	-	106.7	106.7	107.9	107.9
30	119-1/2	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	120.0	131.0	131.0
30	120	-	-	-	-	120.0	140.0	131.0	131.0
36		-	-	-	-	120.0	140.0	131.0	131.0
42		-	-	-	-	120.0	140.0	131.0	131.0
48		-	-	-	-	120.0	120.0	131.0	131.0
30	126	-	-	-	-	120.0	140.0	120.0	120.0
36		-	-	-	-	120.0	140.0	120.0	120.0
42		-	-	-	-	120.0	140.0	120.0	120.0
48		-	-	-	-	120.0	120.0	120.0	120.0
30	132	-	-	-	-	120.0	140.0	120.0	120.0
36		-	-	-	-	120.0	140.0	120.0	120.0
42		-	-	-	-	120.0	140.0	120.0	120.0
48		-	-	-	-	120.0	120.0	120.0	120.0

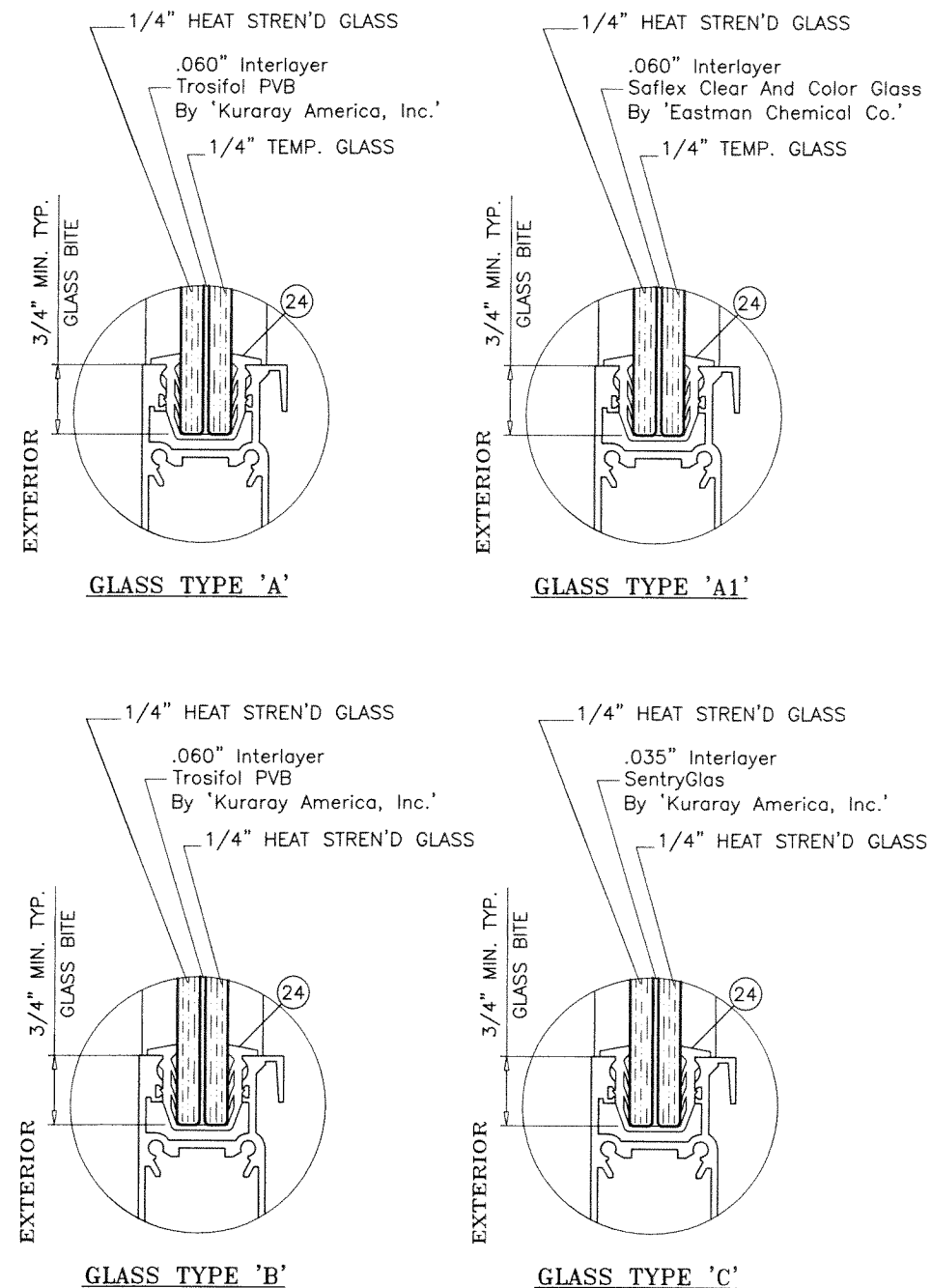
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

NOTE:  
FOR DOORS WITH FREE STANDING JAMBS (UNANCHORED JAMBS)  
LIMIT MAX. LOADS AS FOLLOWS

PANEL AREA 38.5 SQ. FT. MAX.  
132" MAX. DOOR HEIGHT  
GLASS TYPE 'B' (+120.0, -140.0 PSF)  
GLASS TYPE 'C' (+120.0, -120.0 PSF)

PANEL AREA 40.0 SQ. FT. MAX.  
119-1/2" MAX. DOOR HT.  
GLASS TYPES 'A1' (+131.0, -131.0 PSF)

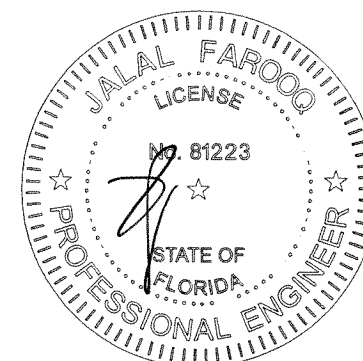
PANEL AREA 40.0 SQ. FT. MAX.  
120" MAX. DOOR HEIGHT  
GLASS TYPES 'C' (+131.0, -131.0 PSF)



GLAZING OPTIONS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0113.03**  
Expiration Date: **02/07/2027**  
By: *Manuel Perez*  
Miami-Dade Product Control

APR 24 2026



**af c**  
**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-2400ST ALUM SLD. GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
S	08.13.18	REV. PER NEW TEST REPORT
T	12.15.20	UPDATED TO 2020 FBC
U	03.18.21	REV. PER RER COMMENTS
V	04.23.26	NO CHANGE THIS SHEET

date: 08-17-01  
scale: 1/2" = 1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W01-54**  
sheet 2 of 10

COMP-ANL\W01-54RC

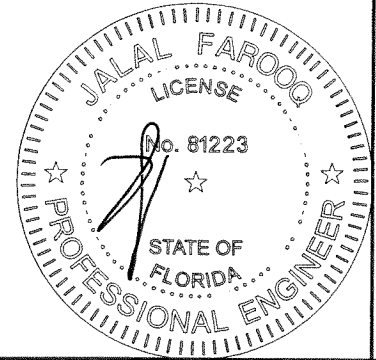
DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)											
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			ANCHORS TYPE 'C'		
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	96	115.6	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0
36		96.3	142.0	142.0	142.0	122.3	142.0	142.0	130.3	142.0	142.0
42		82.6	123.9	142.0	142.0	104.9	142.0	142.0	111.7	142.0	142.0
48		72.3	108.4	140.0	140.0	91.8	137.6	140.0	97.8	140.0	140.0
54		64.2	96.3	128.4	140.0	81.6	122.3	140.0	86.9	130.3	140.0
60	57.8	86.7	115.6	140.0	73.4	110.1	140.0	78.2	117.3	140.0	
30	102	108.8	142.0	142.0	142.0	138.2	142.0	142.0	142.0	142.0	142.0
36		90.7	136.0	142.0	142.0	115.1	142.0	142.0	122.7	142.0	142.0
42		77.7	116.6	142.0	142.0	98.7	142.0	142.0	105.1	142.0	142.0
48		68.0	102.0	136.0	140.0	86.4	129.5	140.0	92.0	138.0	140.0
54		60.4	90.7	120.9	140.0	76.8	115.1	140.0	81.8	122.7	140.0
60	54.4	81.6	108.8	136.0	69.1	103.6	138.2	73.6	110.4	140.0	
30	103-3/8	107.4	142.0	142.0	142.0	136.3	142.0	142.0	142.0	142.0	142.0
36		89.5	134.2	142.0	142.0	113.6	142.0	142.0	121.0	142.0	142.0
42		76.7	115.0	142.0	142.0	97.4	142.0	142.0	103.7	142.0	142.0
44		73.2	109.8	142.0	142.0	93.0	139.4	142.0	99.0	142.0	142.0
48		67.1	100.6	134.2	140.0	85.2	127.8	140.0	90.8	136.2	140.0
30	108"	102.8	140.0	140.0	140.0	130.5	140.0	140.0	139.0	140.0	140.0
36		85.6	128.4	140.0	140.0	108.7	140.0	140.0	115.9	140.0	140.0
42		73.4	110.1	140.0	140.0	93.2	139.8	140.0	99.3	140.0	140.0
48		64.2	96.3	128.4	131.0	81.6	122.3	131.0	86.9	130.3	131.0
54		57.1	85.6	114.2	120.0	72.5	108.7	120.0	77.2	115.9	120.0
30	114	97.3	140.0	140.0	140.0	123.6	140.0	140.0	131.7	140.0	140.0
36		81.1	121.7	140.0	140.0	103.0	140.0	140.0	109.8	140.0	140.0
42		69.5	104.3	139.1	140.0	88.3	132.5	140.0	94.1	140.0	140.0
48		60.8	91.3	121.7	131.0	77.3	115.9	131.0	82.3	123.5	131.0
54		54.1	81.1	108.2	120.0	68.7	103.0	120.0	73.2	109.8	120.0
30	119-1/2	92.9	139.3	140.0	140.0	117.9	140.0	140.0	125.6	140.0	140.0
36		77.4	116.1	140.0	140.0	98.3	140.0	140.0	104.7	140.0	140.0
42		66.3	99.5	132.7	140.0	84.2	126.4	140.0	89.7	134.6	140.0
48		58.0	87.1	116.1	131.0	73.7	110.6	131.0	78.5	117.8	131.0
30		120	92.5	138.7	140.0	140.0	117.4	140.0	140.0	125.1	140.0
36	77.1		115.6	140.0	140.0	97.9	140.0	140.0	104.3	140.0	140.0
42	66.1		99.1	132.1	140.0	83.9	125.8	140.0	89.4	134.1	140.0
48	57.8		86.7	115.6	131.0	73.4	110.1	131.0	78.2	117.3	131.0
30	126		88.1	132.1	140.0	140.0	111.8	140.0	140.0	119.2	140.0
36		73.4	110.1	140.0	140.0	93.2	139.8	140.0	99.3	140.0	140.0
42		62.9	94.4	125.8	140.0	79.9	119.8	140.0	85.1	127.7	140.0
48		55.0	82.6	110.1	120.0	69.9	104.9	120.0	74.5	111.7	120.0
30		132	84.1	126.1	140.0	140.0	106.8	140.0	140.0	113.7	140.0
36	70.1		105.1	140.1	140.0	89.0	133.5	140.0	94.8	140.0	140.0
42	60.1		90.1	120.1	140.0	76.3	114.4	140.0	81.2	121.9	140.0
48	52.5		78.8	105.1	120.0	66.7	100.1	120.0	71.1	106.6	120.0

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)											
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'									
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB							
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS							
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)							
30	96	142.0	142.0	142.0							
36		122.3	142.0	142.0							
42		104.9	142.0	142.0							
48		91.8	137.6	140.0							
54		81.6	122.3	140.0							
60	73.4	110.1	140.0								
30	102	138.2	142.0	142.0							
36		115.1	142.0	142.0							
42		98.7	142.0	142.0							
48		86.4	129.5	140.0							
54		76.8	115.1	140.0							
60	69.1	103.6	138.2								
30	103-3/8	136.3	142.0	142.0							
36		113.6	142.0	142.0							
42		97.4	142.0	142.0							
44		93.0	139.4	142.0							
48		85.2	127.8	140.0							
30	108"	130.5	140.0	140.0							
36		108.7	140.0	140.0							
42		93.2	139.8	140.0							
48		81.6	122.3	131.0							
54		72.5	108.7	120.0							
30	114	123.6	140.0	140.0							
36		103.0	140.0	140.0							
42		88.3	132.5	140.0							
48		77.3	115.9	131.0							
54		68.7	103.0	120.0							
30	119-1/2	117.9	140.0	140.0							
36		98.3	140.0	140.0							
42		84.2	126.4	140.0							
48		73.7	110.6	131.0							
30		120	117.4	140.0	140.0						
36	97.9		140.0	140.0							
42	83.9		125.8	140.0							
48	73.4		110.1	131.0							
30	126		111.8	140.0	140.0						
36		93.2	139.8	140.0							
42		79.9	119.8	140.0							
48		69.9	104.9	120.0							
30		132	106.8	140.0	140.0						
36	89.0		133.5	140.0							
42	76.3		114.4	140.0							
48	66.7		100.1	120.0							

NOTE:  
 1. ANCHOR CAPACITY BASED ON MAX. 1/4" SHIMS AT HEAD/SILL.  
 2. FREE STANDING JAMB (W/O SIDE JAMB ANCHORS) SEE SHEET 2 FOR LIMITATIONS.

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. **20-0113.03**  
 Expiration Date: **02/07/2027**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

NOTE:  
 SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.  
 FOR HEAD/SILL ANCHOR CAPACITIES USING CHARTS ON THIS SHEET SELECT ANCHOR OPTION (1/4" MAX. SHIM) WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.  
 LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS (HEAD & SILL) WILL APPLY TO ENTIRE SYSTEM, WHEN SHIM AT JAMBS EXCEED 1/4", LOWER Dp FROM GLASS, ANCHOR CHART (HEAD/SILL ON THIS SHEET) OR JAMB CHART (SHEET 6) SHALL CONTROL FOR ENTIRE ASSEMBLY SYSTEM.  
 SEE SHEET 5.1 FOR ANCHOR DESCRIPTION.



APR 24 2026

**a f c**

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

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SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)

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

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no	date	description	by
S	08.13.18	REV. PER NEW TEST REPORT	
T	12.15.20	UPDATED TO 2020 FBC	
U	03.18.21	REV. PER PER COMMENTS	
V	04.23.26	NO CHANGE THIS SHEET	

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date: 08-17-01  
 scale: 1/2" = 1'-0"  
 dr. by: TARIQ  
 chk. by:

---

drawing no.  
**W01-54**

sheet 3 of 10

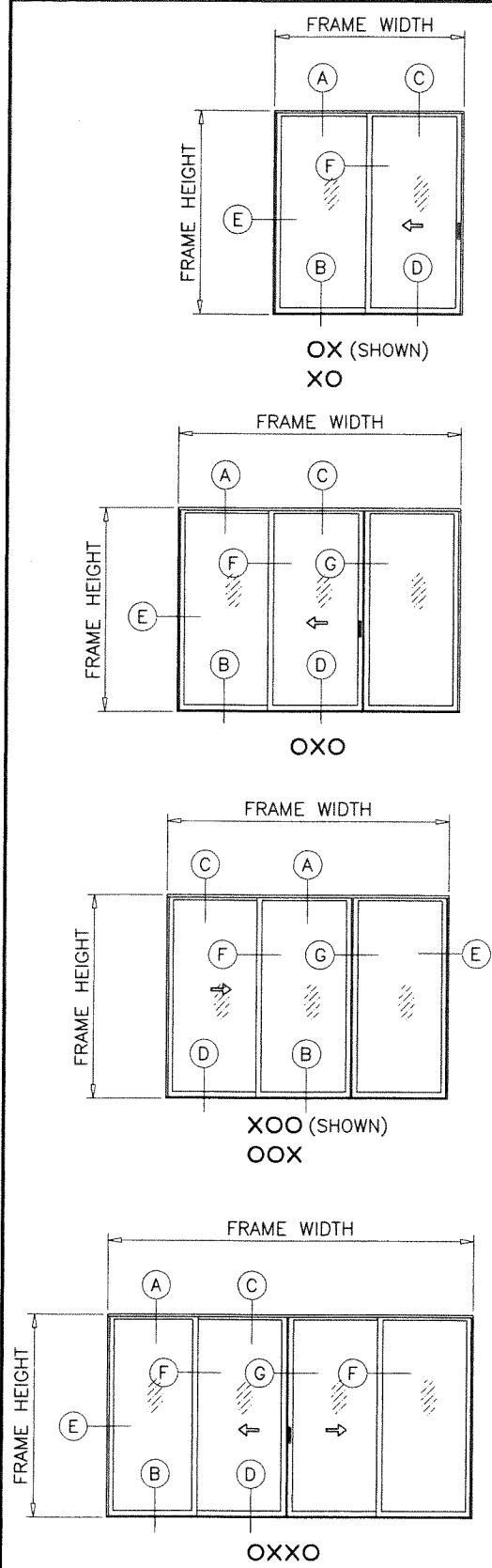
REVISIONS:

NO	DATE	BY	DESCRIPTION
S	08.13.18		NO CHANGE THIS SHEET
T	12.15.20		UPDATED TO 2020 FBC
U	03.18.21		NO CHANGE THIS SHEET
V	04.23.26		NO CHANGE THIS SHEET

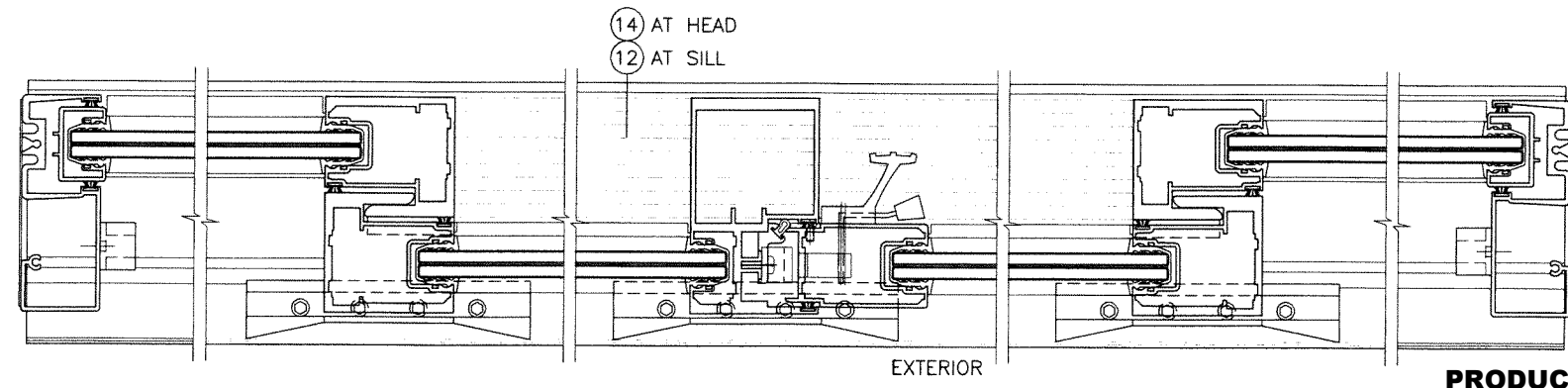
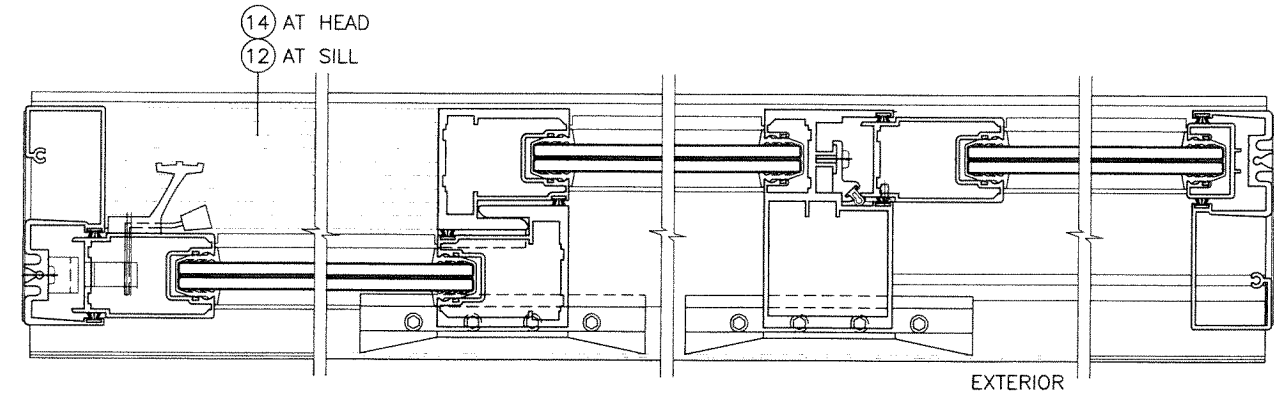
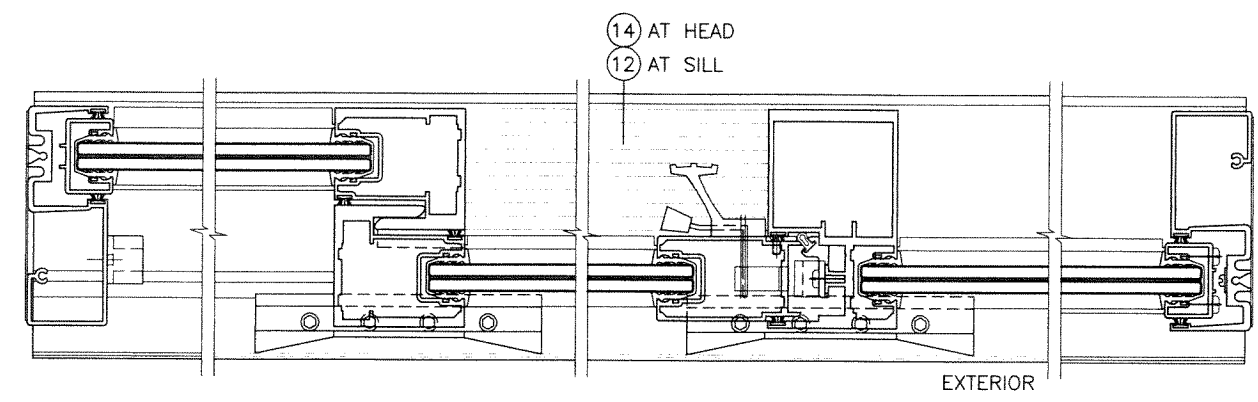
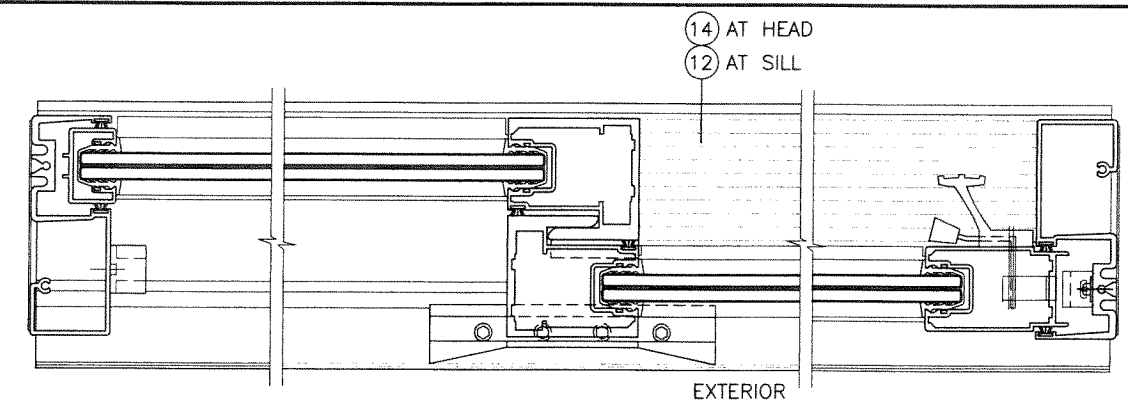
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dr. by:	TARIQ
chk. by:	

drawing no.	W01-54
sheet	4 of 10

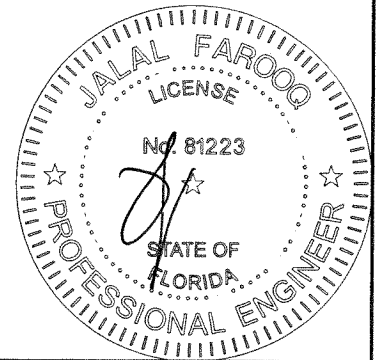
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY  
 SEE SHEETS 5 & 6 FOR FRAME ANCHOR INSTALLATIONS.

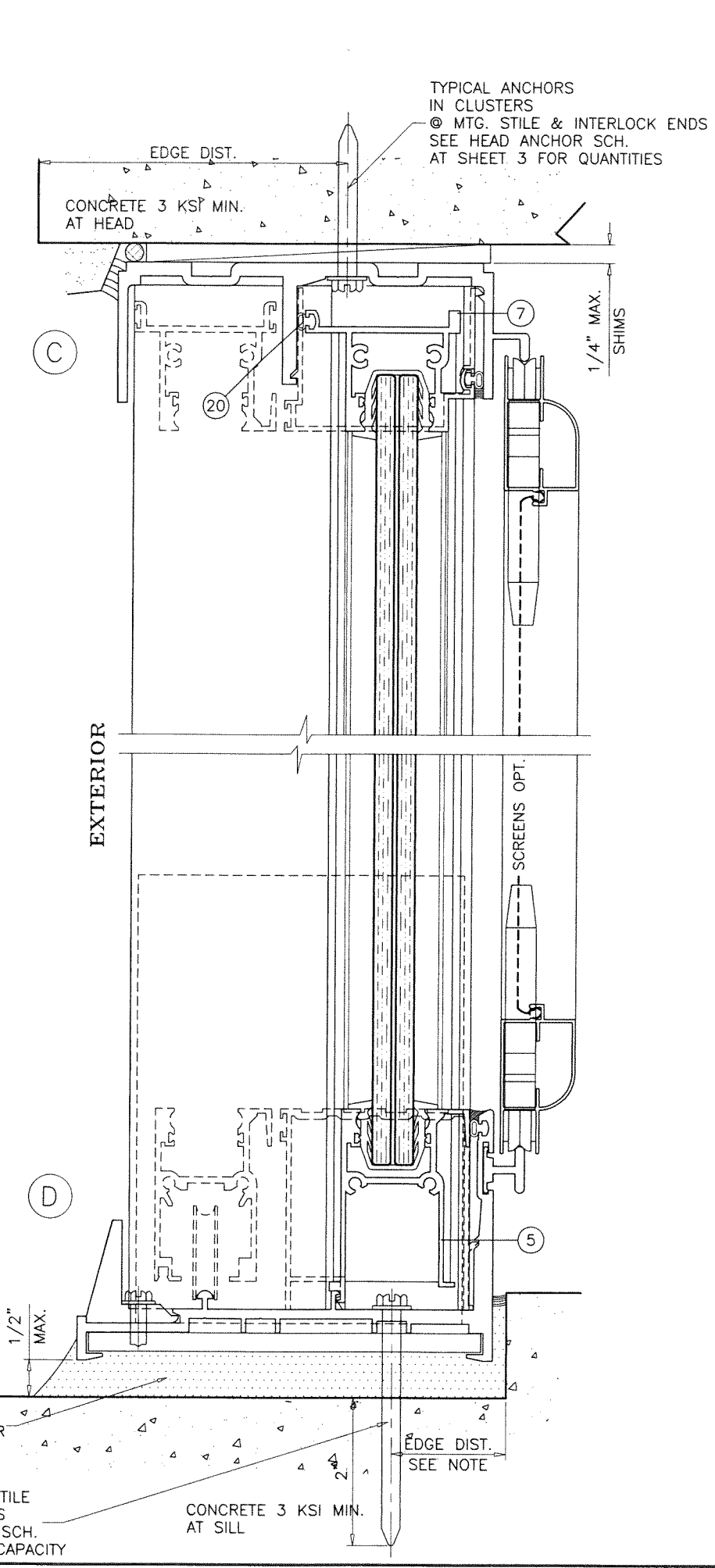
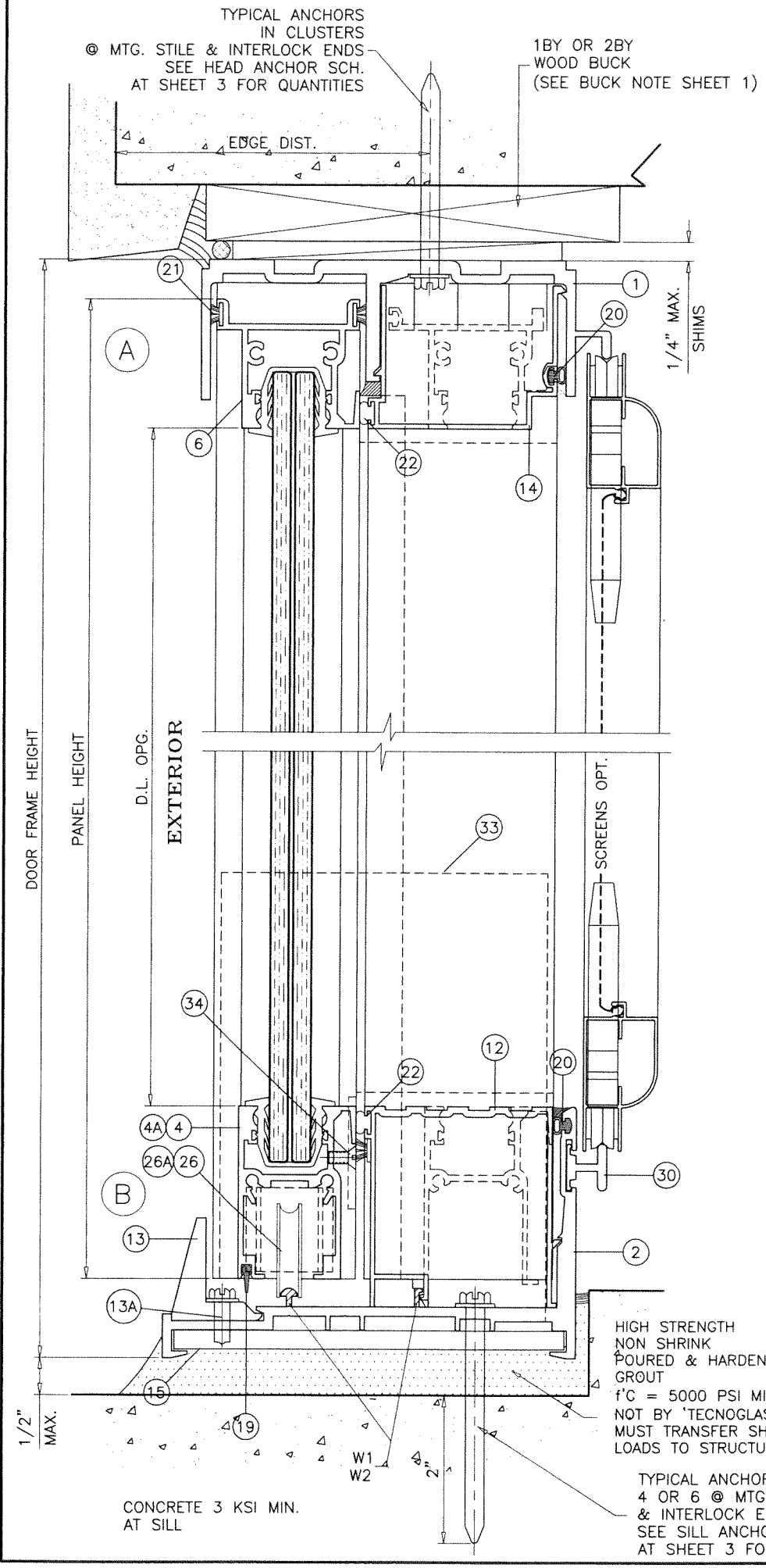


**APPROVED CONFIGURATIONS**  
 (4 PANELS OR LESS)



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
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 Expiration Date: **02/07/2027**  
 By: *Manuel Torres*  
 Miami-Dade Product Control  
**APR 24 2026**



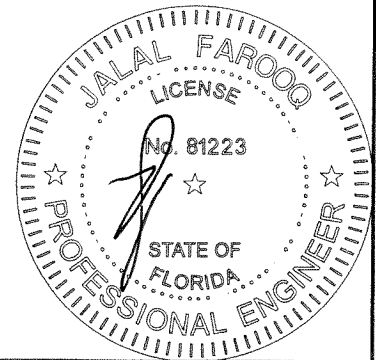


**WEEPS:**

- W1 = 2-1/2" WEEP NOTCH AT SILL CENTER
- W2 = 1" NOTCH AT EACH END

**PRODUCT REVISED**  
 as complying with the Florida  
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 Expiration Date: **02/07/2027**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

**APR 24 2026**



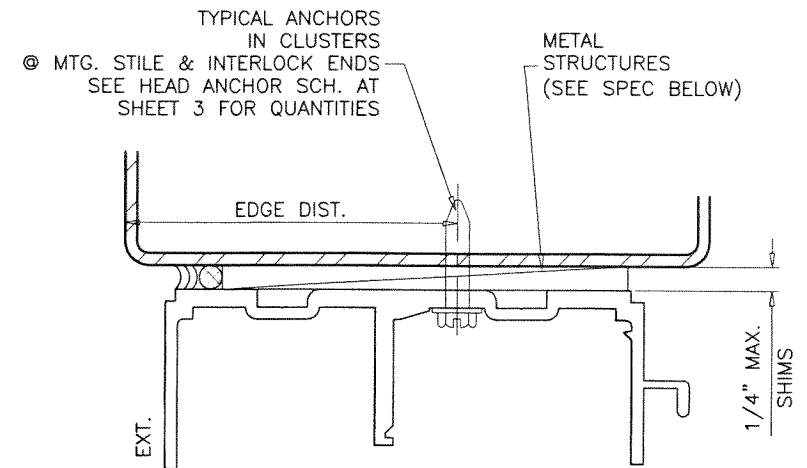
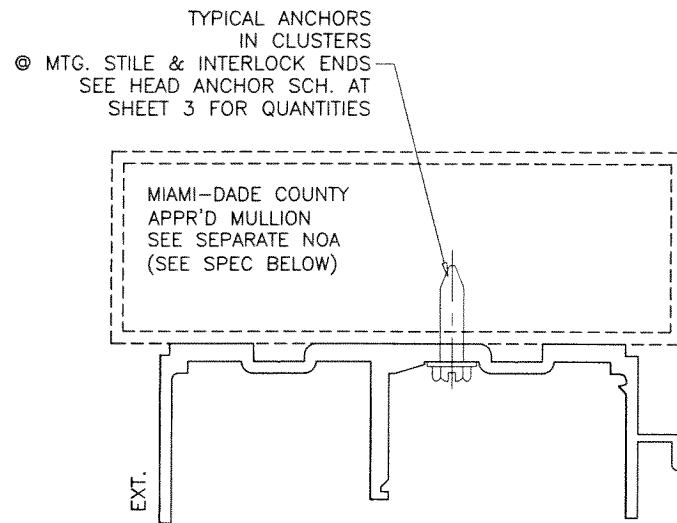
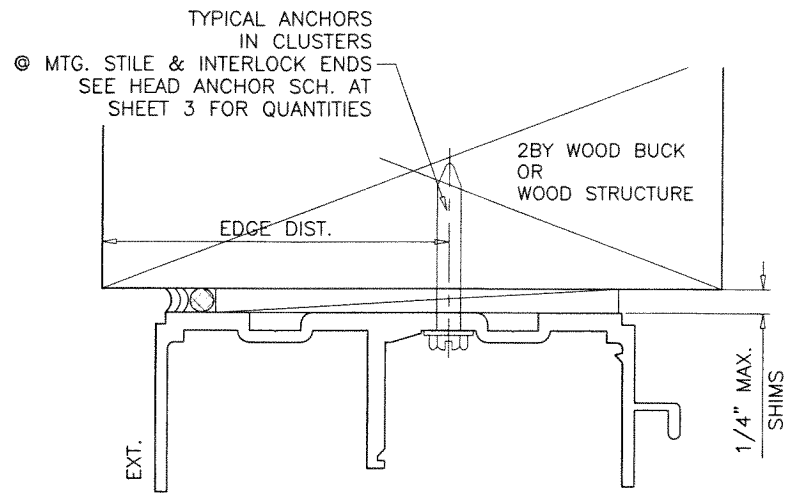
**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
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 COMP-ANL\W01-54RC

SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)  
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V	04.23.26	NO CHANGE THIS SHEET

date: 08-17-01  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W01-54**  
 sheet 5 of 10



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— AT HEAD —

- TYPE 'A'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD  
 THRU 1BY WOOD BUCKS INTO CONCRETE  
 1-1/4" MIN. EMBED INTO CONCRETE
- TYPE 'B'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)  
 DIRECTLY INTO CONCRETE  
 1-1/4" MIN. EMBED INTO CONCRETE
- TYPE 'C'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
 OR  
 INTO METAL STRUCTURES  
 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 'D'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)  
 DIRECTLY INTO CONCRETE  
 1-1/4" MIN. EMBED INTO CONCRETE

— AT JAMBS —

- 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)  
 INTO WOOD STRUCTURES  
 2" MIN. PENETRATION INTO WOOD  
 THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS  
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS
- 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)  
 DIRECTLY INTO CONCRETE OR FILLED BLOCKS  
 2" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS
- 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
 OR  
 INTO METAL STRUCTURES  
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

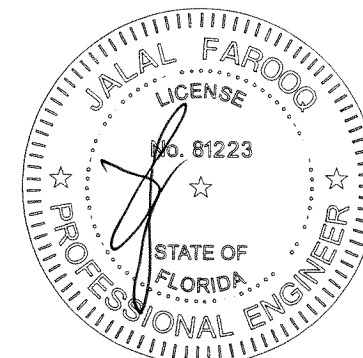
TYPICAL EDGE DISTANCE

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

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

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 Miami-Dade Product Control

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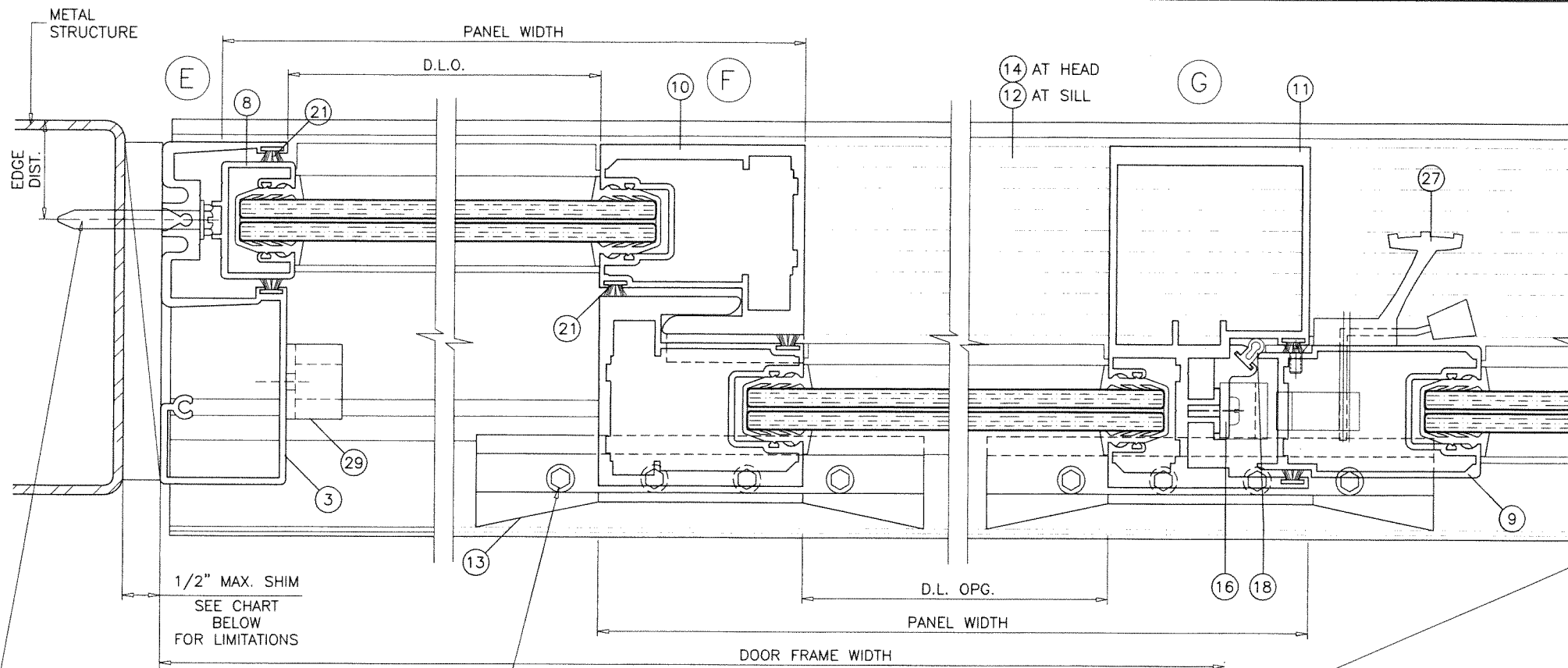
**afc**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W01-54RC

SERIES-2400ST ALUM SLD. GLASS DOOR (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
S	08.13.18	1	REV. PER NEW TEST REPORT	
T	12.15.20	2	UPDATED TO 2020 FBC	
U	03.18.21	3	NO CHANGE THIS SHEET	
V	04.23.26	4	NO CHANGE THIS SHEET	

date: 08-17-01  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W01-54**  
 sheet 5.1 of 10

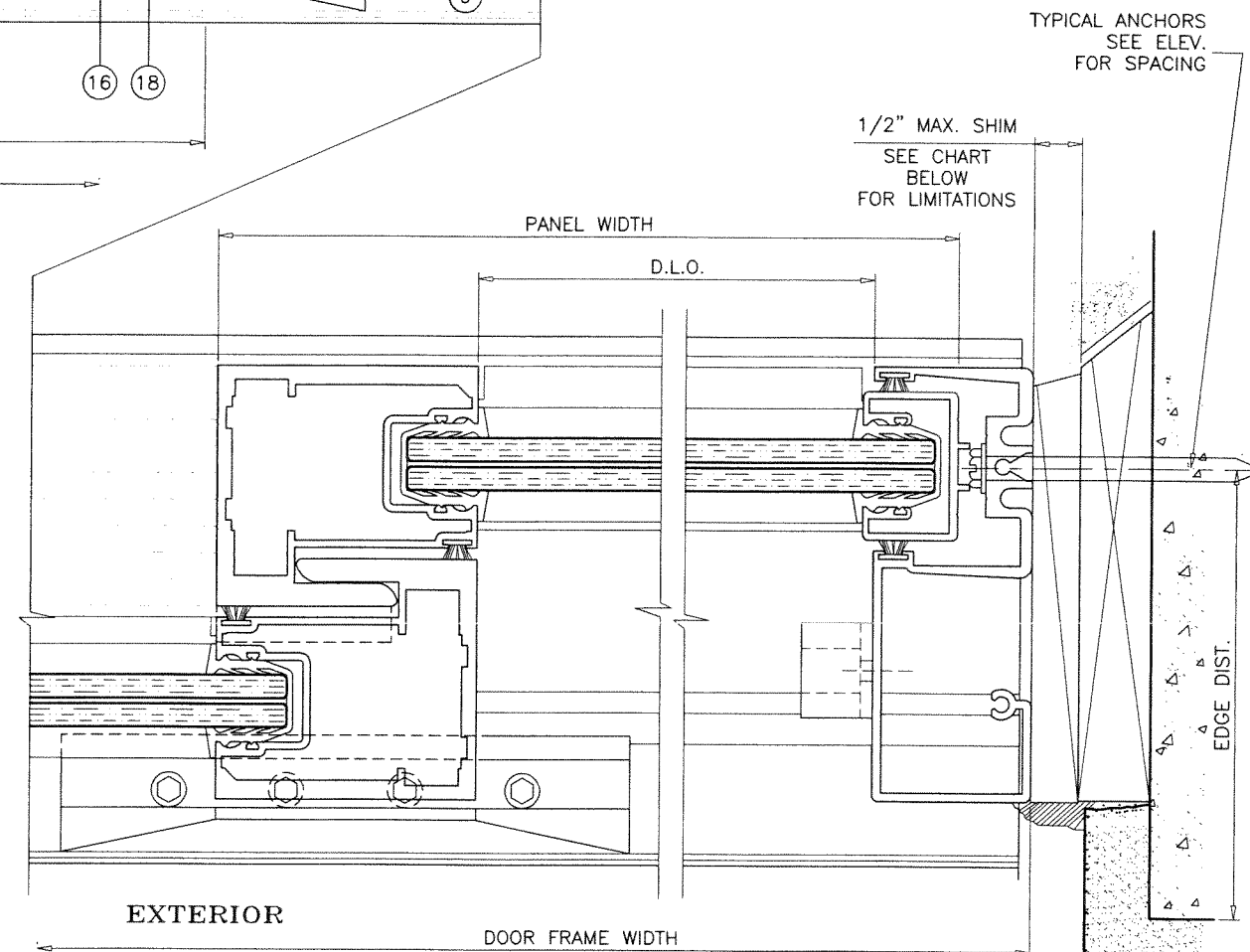


TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING

1/2" MAX. SHIM  
SEE CHART  
BELOW  
FOR LIMITATIONS

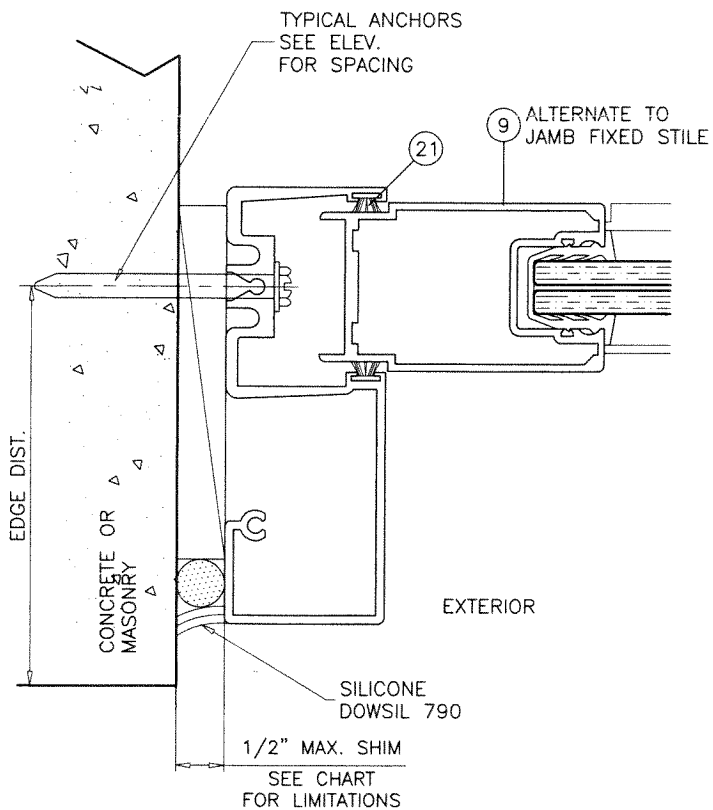
(4) 1/4-20 X 3/4" M.S.  
AT 1-1/4" O.C.

EXTERIOR



1/2" MAX. SHIM  
SEE CHART  
BELOW  
FOR LIMITATIONS

EXTERIOR



EXTERIOR

**JAMB ANCHOR LOAD CAPACITY CHART - PSF**  
LIMIT MAX. DESIGN LOADS AS SHOWN  
FOR DOORS WITH 1/4", 3/8" AND 1/2" SHIMS

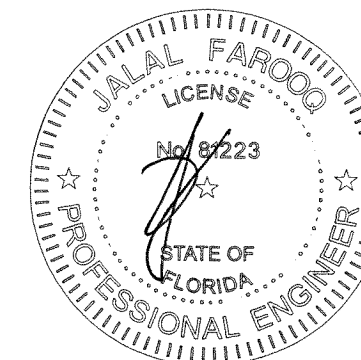
PANEL WIDTH NOMINAL INCHES	1/4" SHIMS	3/8" SHIMS	1/2" SHIMS
	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	142.0	142.0	142.0
36	142.0	142.0	142.0
42	142.0	142.0	125.1
48	140.0	139.5	109.5
54	140.0	124.0	97.3
60	140.0	111.6	87.6

NOTE:  
THIS CHART TO BE USED IN CONJUNCTION WITH HEAD/SILL  
ANCHOR CAPACITY (SHEET 3),  
LOWER DESIGN PRESSURE FROM GLASS, HEAD/SILL ANCHOR  
OR JAMB ANCHOR CHART SHALL CONTROL THE ENTIRE  
SYSTEM.

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MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND  
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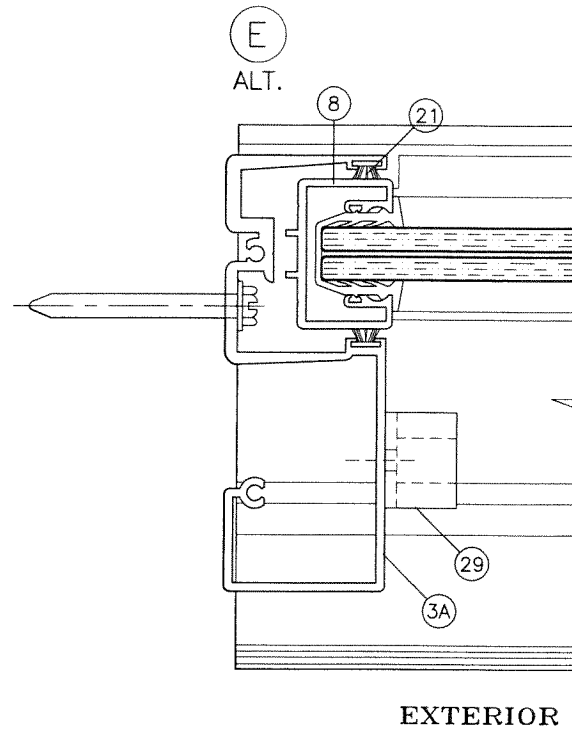
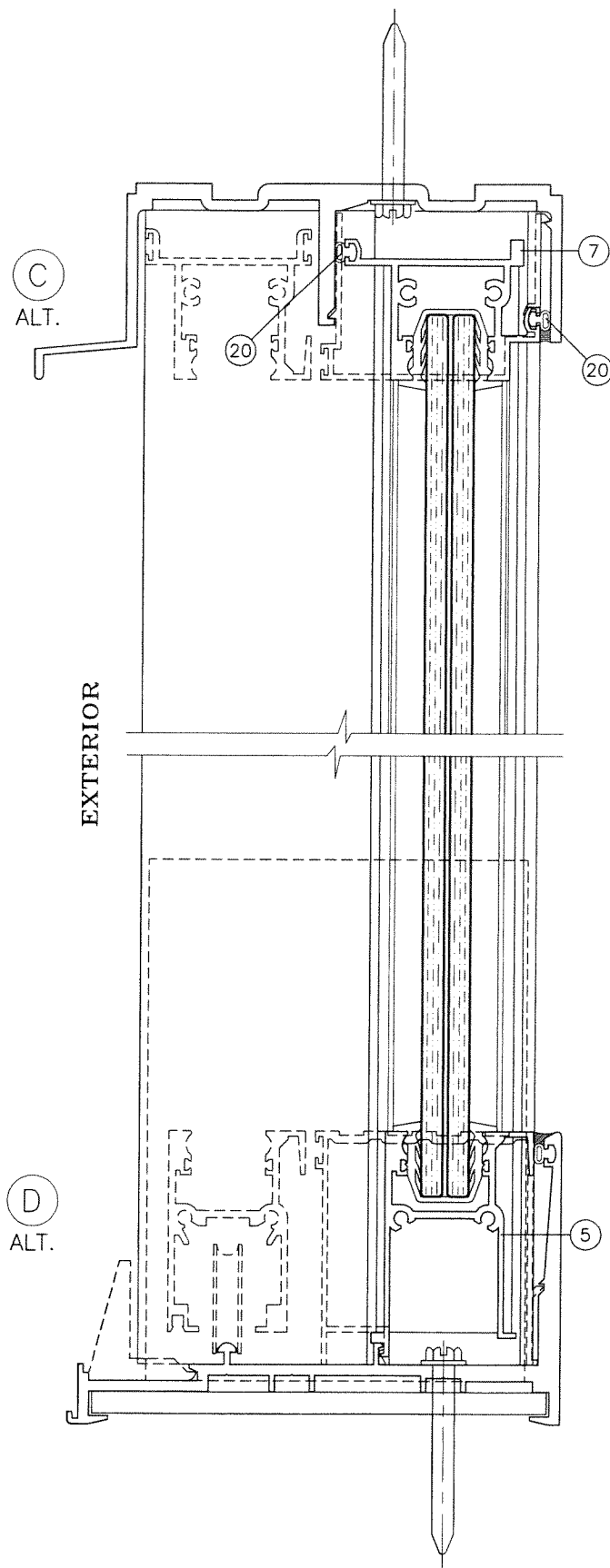
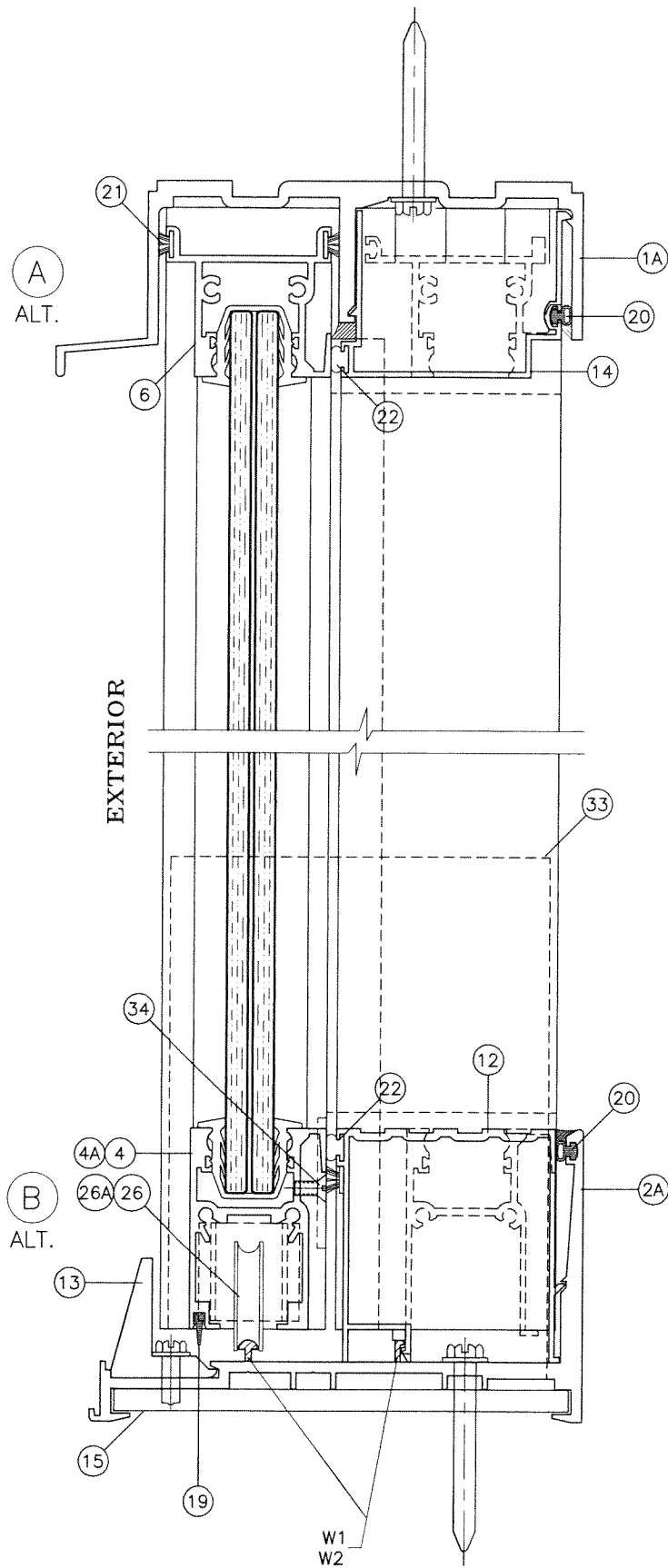
**af c**  
**AL-FAROOQ CORPORATION**  
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chk. by:  
drawing no. **W01-54**  
sheet 6 of 10

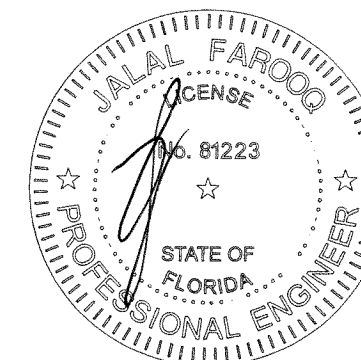


**ILLUSTRATED ALTERNATE DOOR FRAMES**

THIS SHEET SHOWS ALTERNATE DOOR FRAMES WITH OUTSIDE SCREEN OPTION. HEAD/SILL/JAMB INSTALLATION FOR THESE FRAMES IS IDENTICAL TO STANDARD FRAMES INSTALLATION AS SHOWN ON SHEETS 5 AND 6.

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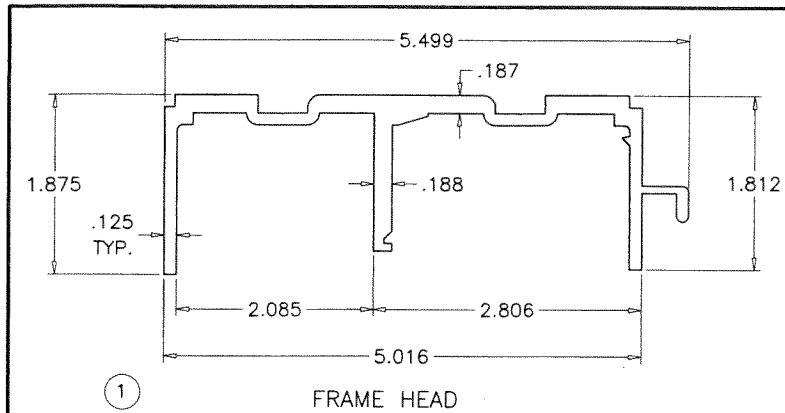
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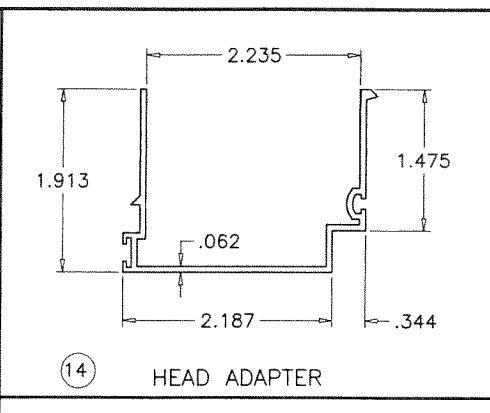
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 chk. by:

drawing no.  
**W01-54**  
 sheet 7 of 10

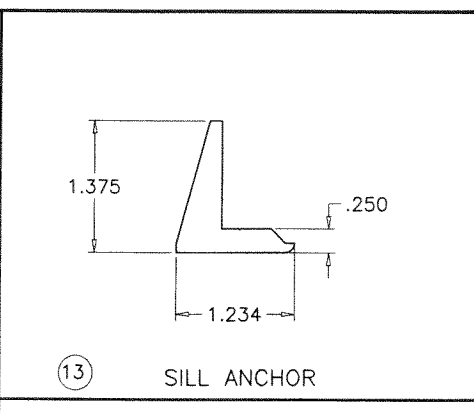
COMP-ANL\W01-54RC



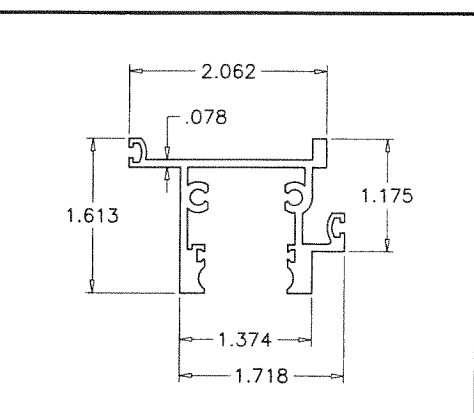
① FRAME HEAD



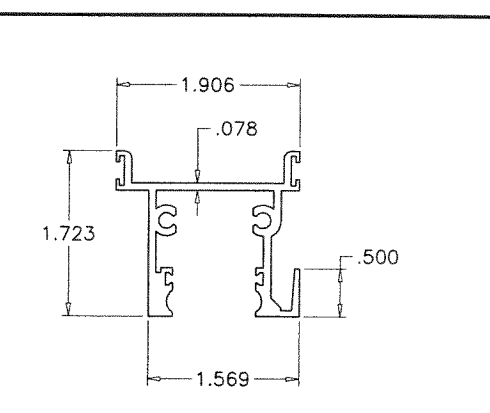
⑭ HEAD ADAPTER



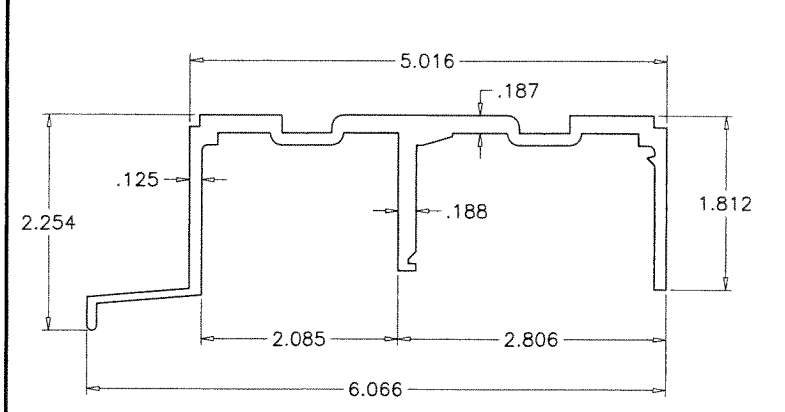
⑬ SILL ANCHOR



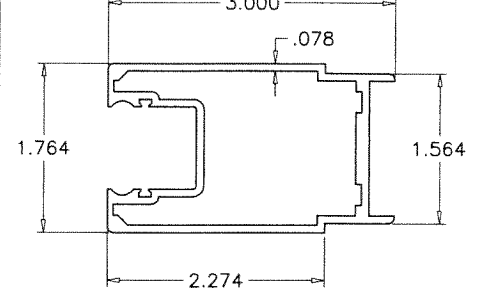
⑦ FIX. TOP RAIL



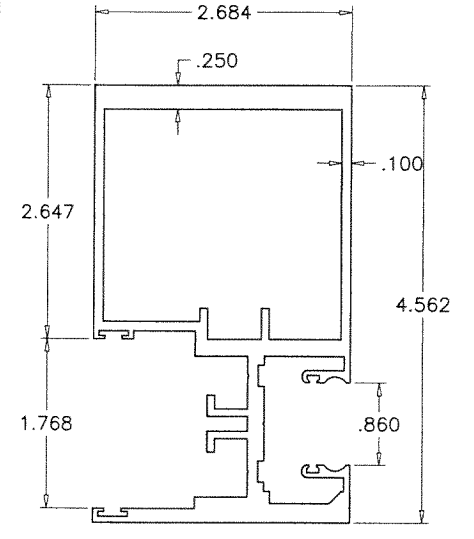
⑥ MOV. TOP RAIL



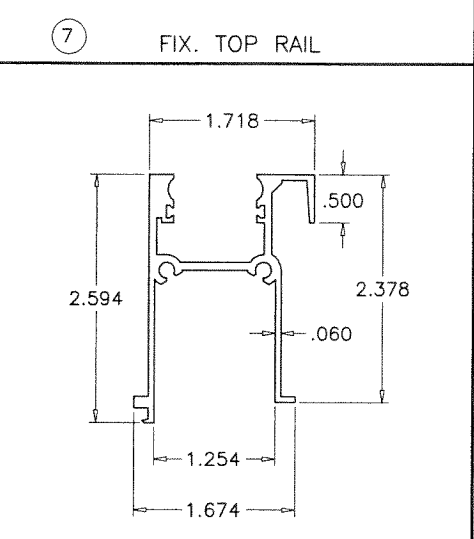
①A ALT. FRAME HEAD



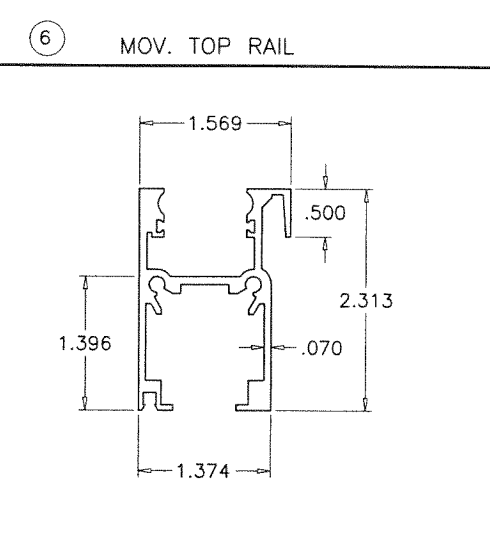
⑨ LOCK STILE



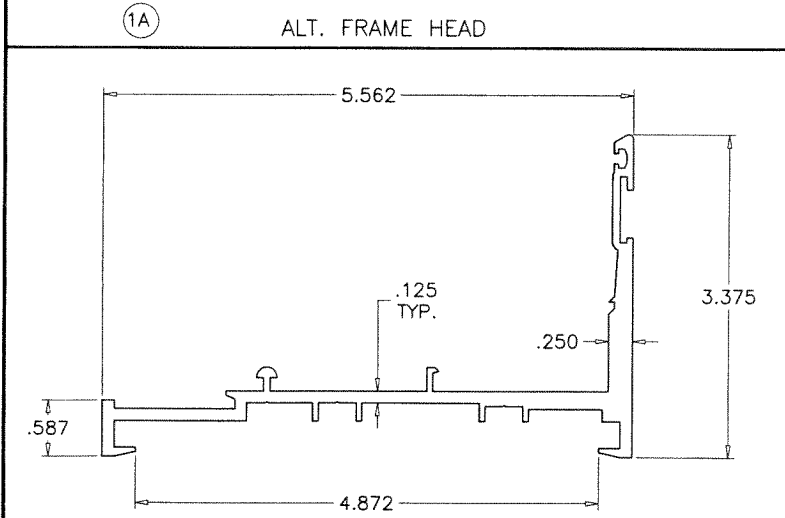
⑪ MTG. STILE



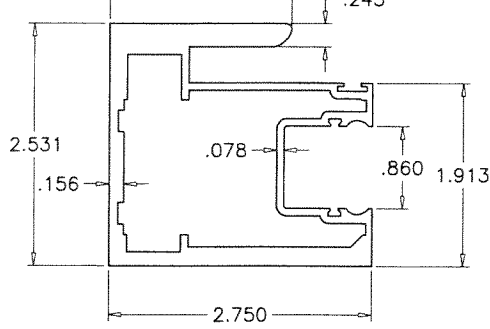
⑤ FIX. BOTTOM RAIL



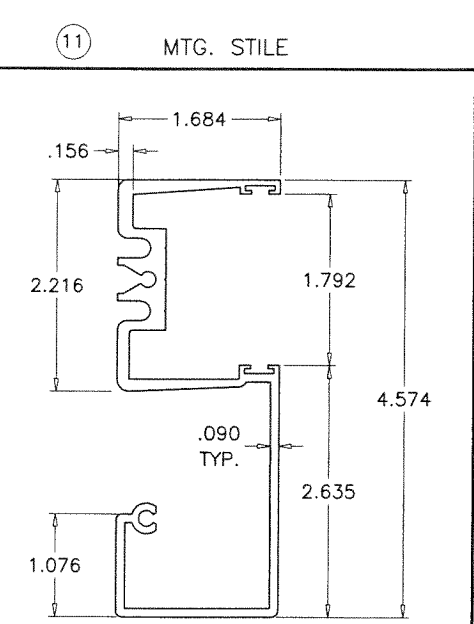
④ MOVING BOTTOM RAIL



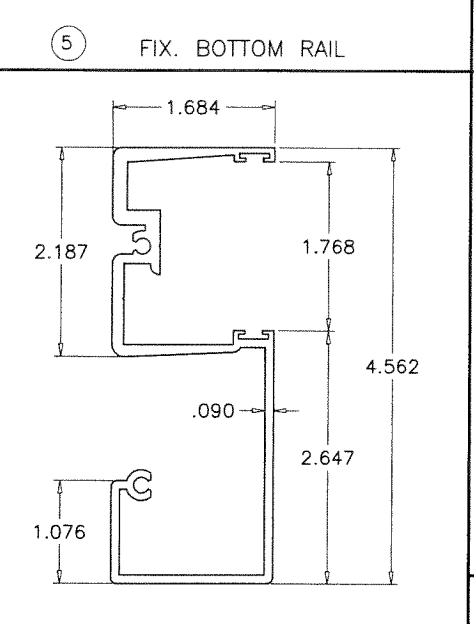
② FRAME SILL



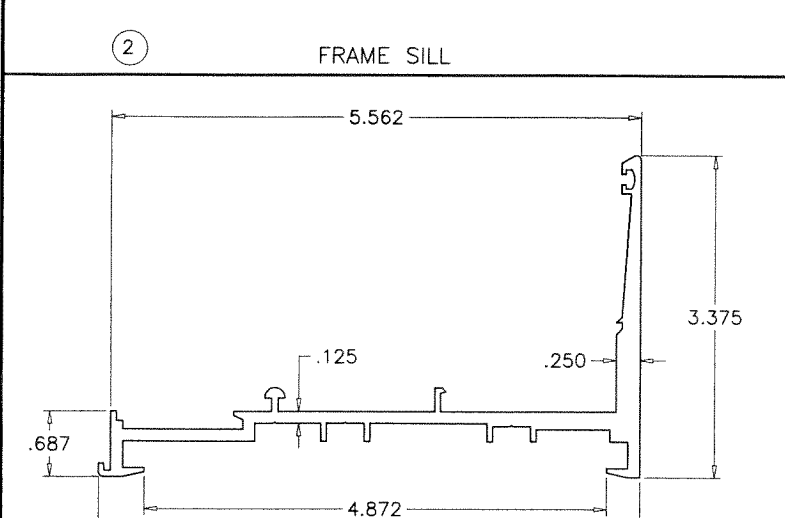
⑩ INTERLOCK



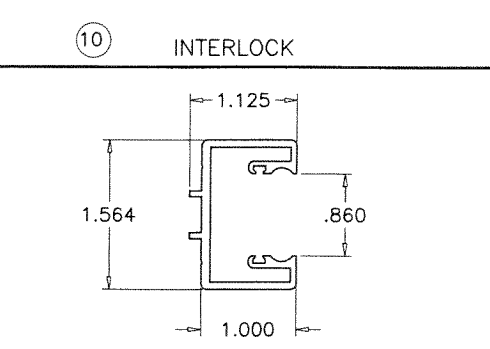
③ FRAME JAMB



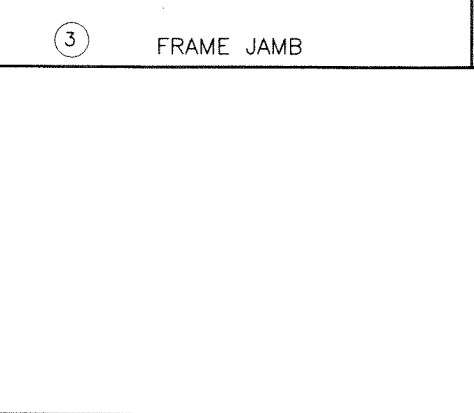
③A ALT. FRAME JAMB



②A ALT. FRAME SILL



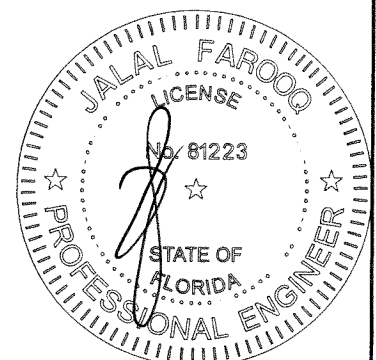
⑧ FIXED STILE



⑫ THRESHOLD

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APR 24 2026

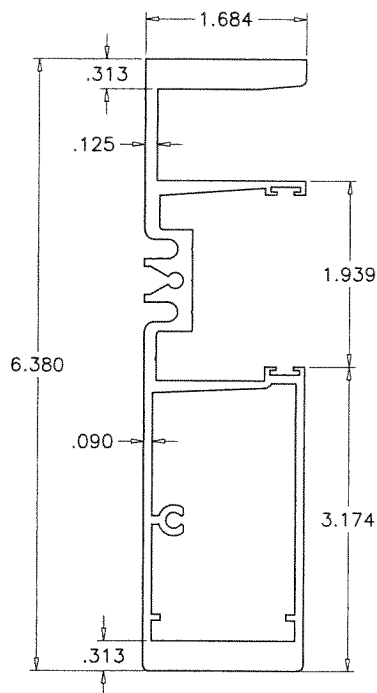


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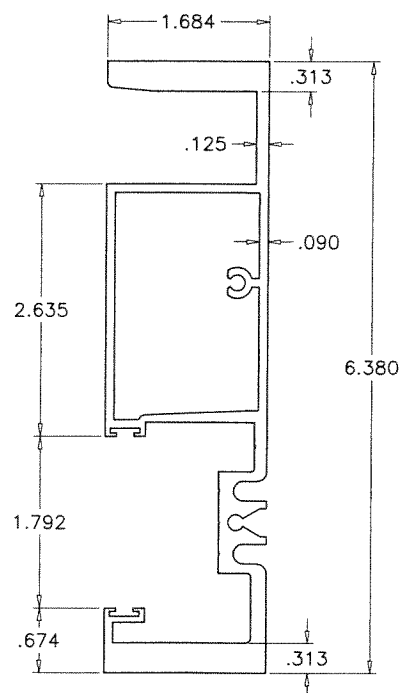
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 drawing no. **W01-54**  
 sheet 8 of 10



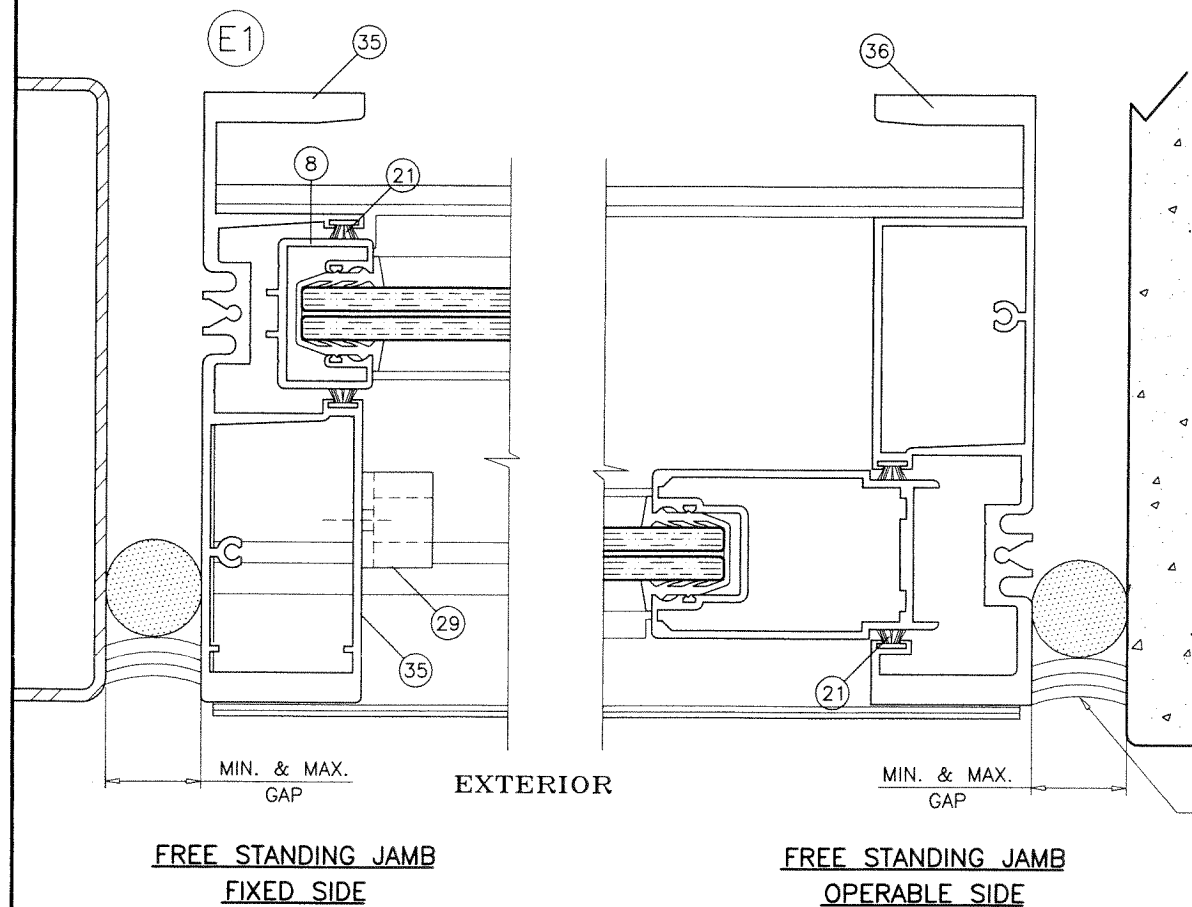
Ix IN<sup>4</sup> Sx IN<sup>3</sup>  
13.025 4.031

35 FREE STANDING FRAME JAMB  
FIXED SIDE



Ix IN<sup>4</sup> Sx IN<sup>3</sup>  
13.336 4.051

36 FREE STANDING FRAME JAMB  
OPERABLE SIDE



FREE STANDING JAMB  
FIXED SIDE

FREE STANDING JAMB  
OPERABLE SIDE

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2400ST-038	1	FRAME HEAD	6063-T6/6005-T5	-
1A	2400ST-018	1	ALT. FRAME HEAD	6063-T6	-
2	2400ST-039	1	FRAME SILL	6005-T5	-
2A	2400ST-010	1	ALT. FRAME SILL	6005-T5	-
3	2400ST-042	2	FRAME JAMB	6063-T6	-
3A	2400ST-001	2	ALT. FRAME JAMB	6063-T6	-
4	2400ST-008	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6063-T6	-
4A	2400ST-069	1/MOV. PANEL	ALTERNATE MOVING HORIZ. BOTT. RAIL	6063-T6	-
5	2400ST-009	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	6063-T6	-
6	2400ST-006	1/MOV. PANEL	TOP MOVING RAIL	6063-T6	-
7	2400ST-007	1/FIX. PANEL	TOP FIXED RAIL	6063-T6	-
8	2400ST-004	1/FIX. PANEL	JAMB FIXED STILE	6063-T6	-
9	2400ST-002	1	JAMB FIX. STILE/LOCK STILE	6063-T6	-
10	2400ST-037	1/ PANEL	INTERLOCK	6005-T5	-
11	2400ST-005	1	MEETING STILE	6005-T5	-
12	2400ST-012	1	THRESHOLD FILLING TRACK	6063-T6	LENGTH=OPG. W. BETWEEN FIXED PANELS
13	2400ST-011	-	SILL TRACK ANCHOR CLIP, 6" LONG	6005-T5	-
13A	-	4/ CLIP	1/4-20 X 3/4" LG. SOCKET HEAD CAP SCREWS	ST/ST	-
14	2400ST-019	1	HEAD ADAPTER	6063-T6	LENGTH=OPG. W. BETWEEN FIXED PANELS
15	2400ST-031	2	SILL TRACK PLATE (5-1/4" X 1/4" X 4" LONG)	ALUMINUM	AT EACH END
15A	2400ST-031	3	SILL TRACK PLATE (5-1/4" X 1/4" X 8" LONG)	ALUMINUM	AT INTERLOCK/ASTRAGAL STILES
16	2400ST-032	-	MTG. RAIL THRESHOLD SEAL	6063-T5	6" LONG
17	#10 X 1/2"	2	WEATHERSTRIP FASTENERS	-	-
18	V-027	-	BULB W'STRIPPING, DUROMETER 75±5 SHORE A	TPE	FP-712 PROTOTYPE
19	WV-2310	-	FLAP WEATHER SEAL, DUROMETER 75±5 SHORE A	VINYL	WIBORG
20	V-026	-	BULB W'STRIPPING, DUROMETER 65±5 SHORE A	SOFT PVC	FP-198 PROTOTYPE
21	W31265NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
22	Q250X270	-	Q-LON W'STRIPPING	-	SCHLEGEL
24	V-022	AS REQD.	GLAZING GASKET, DUROMETER 75±5 SHORE A	VINYL	9/16" GLASS
26	PRO3-6005	2/MOV. PANEL	TANDEM PLASTIC WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
26A	PRO3-6000	2/MOV. PANEL	TANDEM WHEEL ASSEMBLY	ST. STEEL	INTERLOCK
27	-	1	STANDARD MORTISE LOCK	ST. STEEL	INTERLOCK
28	-	1/LOCK	LOCK KEEPER, AT 41-1/2" FROM BOTTOM	PLATED STEEL	INTERLOCK
29	-	AS REQD.	DOOR BUMPER	-	1" DIA. X 3/4" LONG
30	2400ST-040	AS REQD.	INSIDE SCREEN TRACK	6063-T6	-
31	#10 X 1-1/2"	2/ PANEL	PANEL ASSBY. SCREWS	ST/ST	-
32	#10 X 1"	2/ CORNER	FRAME ASSBY. SCREWS	-	-
33	-	2	4-1/4" X .060" X 6" LONG PLATE	ALUMINUM	AT FRAME JAMB BOTTOM
34	-	-	5/8" X 1-1/2" X .1" PLATE @ LOCK STILE BOTTOM	ALUMINUM	FASTENED W/ #8 X 3/8" FH SMS
35	2400ST-071	1	FREE STANDING JAMB (FIX. SIDE)	6005-T5	-
36	2400ST-072	1	FREE STANDING JAMB (OPERABLE SIDE)	6005-T5	-

**LOCK:**

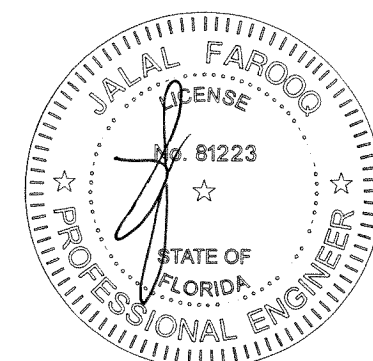
SURFACE MOUNT METALLIC HANDLE AT 41-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #8 X 1/2" FH SMS  
 SURFACE MOUNT METALLIC 3 PLY DUAL HOOK LOCK 41-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #10 X 1" FH SMS  
 SURFACE MOUNT METALLIC KEEPER AT 41-1/2" FROM BOTTOM FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH (3) #8 X 3/4" PH SMS

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	7/16"	5/8"
120"	7/16"	5/8"
132"	7/16"	1/2"

**SEALANTS:**

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.

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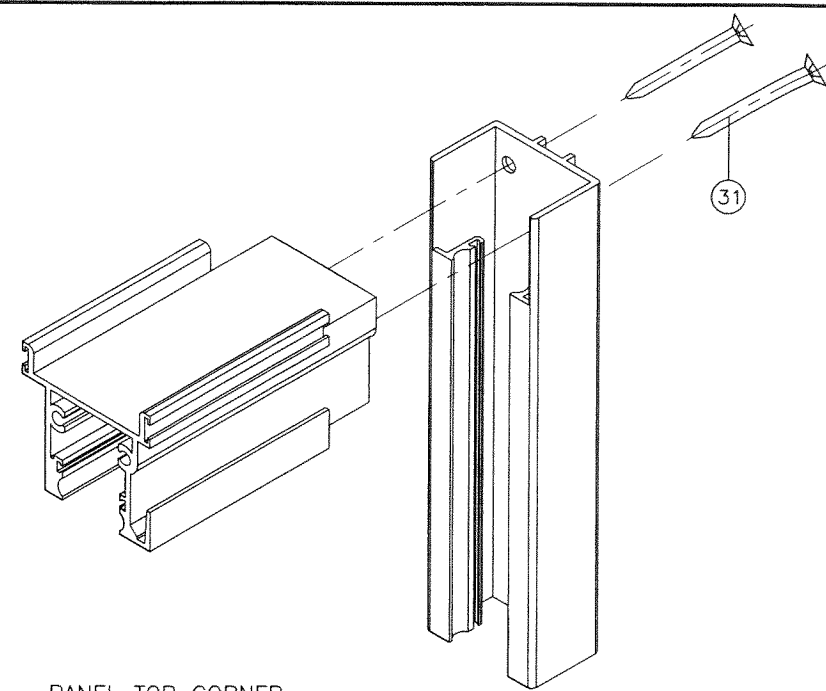
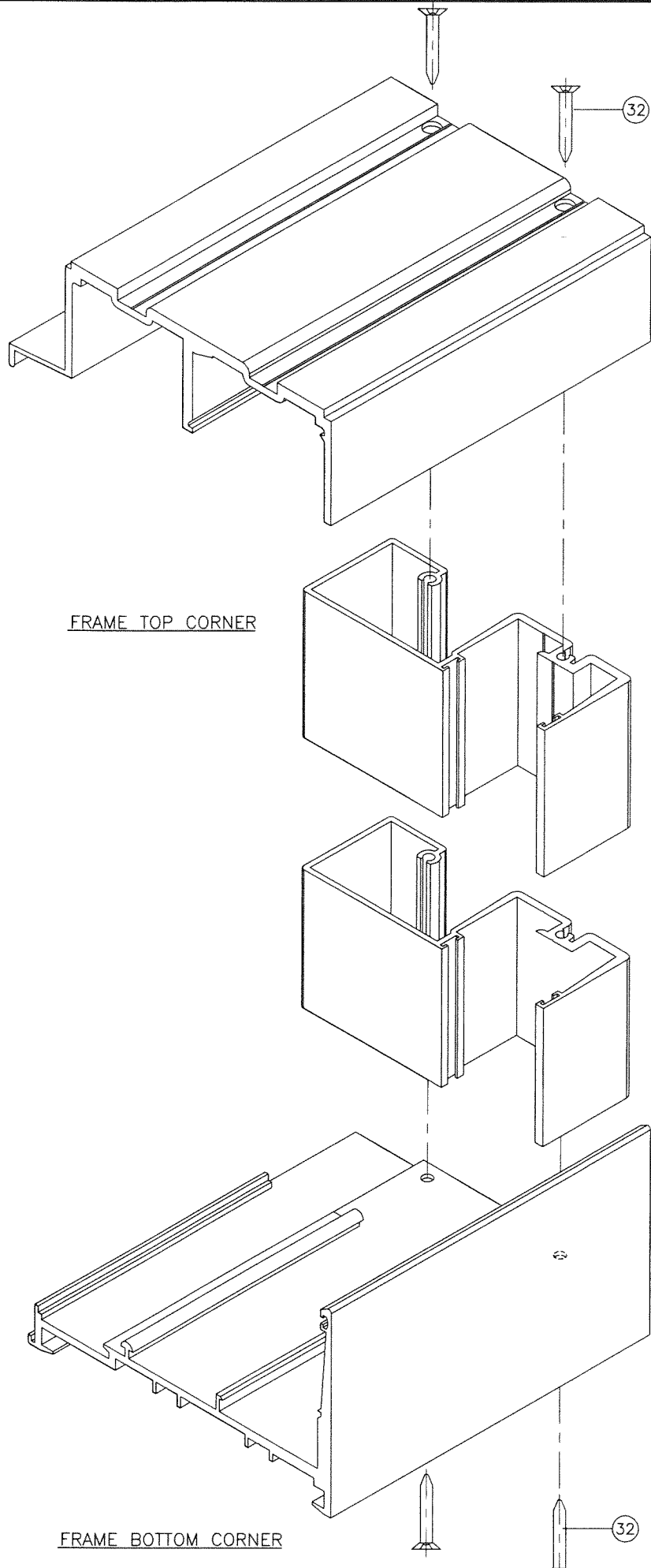
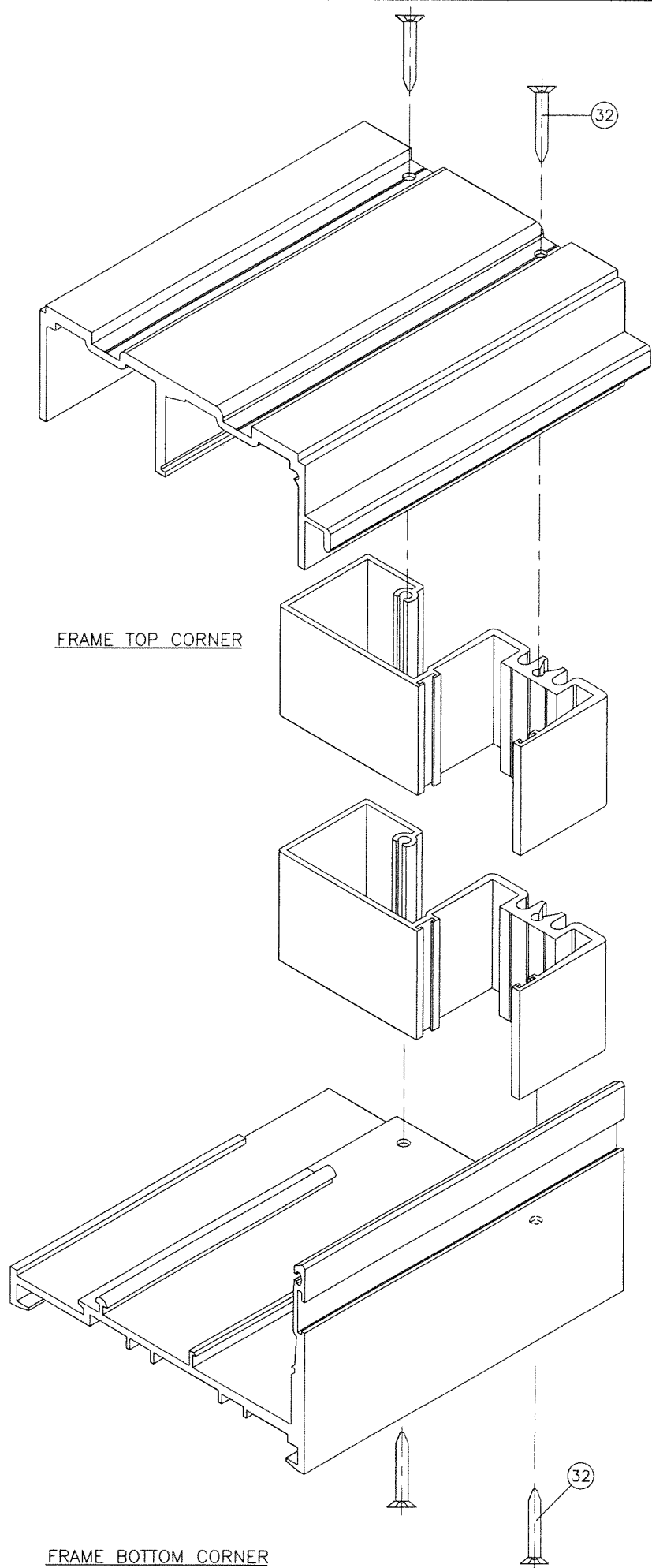
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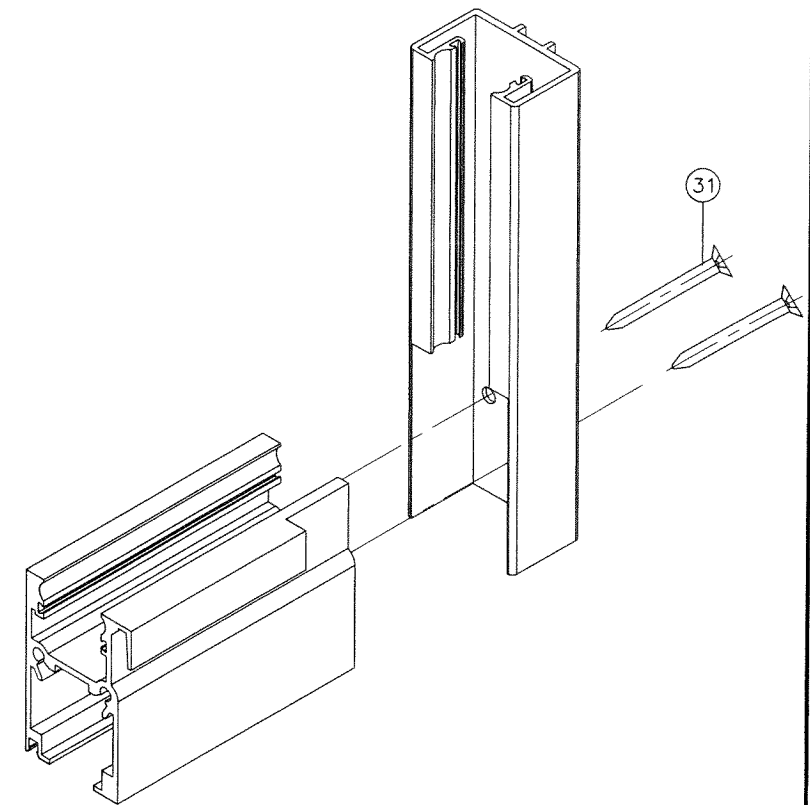
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drawing no. **W01-54**  
 sheet 9 of 10



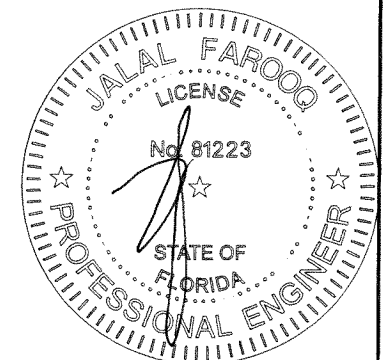
PANEL TOP CORNER



PANEL BOTTOM CORNER

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **20-0113.03**  
 Expiration Date: **02/07/2027**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

APR 24 2026



**af c**  
**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-2400ST ALUM SLD. GLASS DOOR (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
S	08.13.18		NO CHANGE THIS SHEET
T	12.15.20		UPDATED TO 2020 FBC
U	03.18.21		NO CHANGE THIS SHEET
V	04.23.26		NO CHANGE THIS SHEET

date: 08-17-01  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W01-54**  
 sheet 10 of 10

COMP-ANL\W01-54RC