



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 "PH3400" 9'10" Aluminum Sliding Glass Door – S.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W07-108**, titled "Series PH3400 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 8, 8.1, 9 and 10 through 15 of 15, dated 02/07/08, with revision **H** dated 01/14/26, 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.

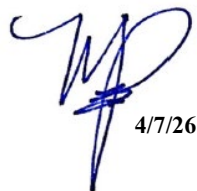
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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. **23-0901.05** 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.**



  
 4/7/26

NOA No. **25-0404.05**  
**Expiration Date: November 22, 2029**  
**Approval Date: April 16, 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. 08-0312.02)*
2. Drawing No. **W07-108**, titled "Series PH 3400 Alum. Sliding Glass Door (S.M.I.)", sheets 1, 2, 3, 3.1, 4, 4.1, 5, 6, 7 of 7, with revision "F" dated 08/03/2023, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E..  
*(Submitted under NOA No. 23-0901.05)*

**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 Report No. **FTL-5362**, dated 10/17/07, signed and sealed by Michael Wenzel, P.E. and addendum letter dated 01/04/08 signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 08-0312.02)*

**C. CALCULATIONS**

1. Anchor verification calculations complying with FBC 6<sup>th</sup> Edition (2017) prepared by Al Farooq Corporation, dated 02/23/18, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 16-0510.16)*
2. Glazing complies with **ASTM E 1300-09**

**D. QUALITY ASSURANCE**

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

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0404.05  
Expiration Date: November 22, 2029  
Approval Date: April 16, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**


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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
2. Test reports on neoprene wedge #V-067 prepared by Ghesquiere Plastic Testing, Inc., Report #**0810-71244**, dated November 05, 2008, signed by M. W. Ghesquiere.
  - 1) Shore “A” Hardness per ASTM D2240-05, passed  $70 \leq 75 \pm 5$  Shore A
  - 2) Compression Set per ASTM D395-08: passed  $27\% \leq 30\%$  max at 70 Durometer
  - 3) Ozone Resistance per ASTM D1149-07: NO Cracks;
  - 4) Tensile Strength per ASTM D412-05: Elongation  $273\% > 200\%$  min. at 70 Durometer.
  - 5) Heat Aging per ASTM D573-04: passed: +1 point  $\leq +10$  points max change
  - 6) Tear Test per ASTM D624C-07: passed  $112 \text{ lbs/in} \geq 100 \text{ lbs/in}$
  - 7) Brittleness per ASTM D746-07: Non-Brittle at  $-40^\circ\text{C}$
  - 8) Non-Staining Characteristics test per ASTM D925-08: No Migration Staining
3. Test reports on Ethylene Propylene Diene Monomer Rubber (EPDM) prepared by Delsen Testing Laboratories, Inc., Test Report No. **T41631**, dated 01/26/2009, signed by Suzanne Cannell
  - 1.) ASTM C116-06, Standard Test method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories: 460 mm Flame Propagation

**F. STATEMENTS**

1. Statement letter of conformance, complying with the **FBC 7<sup>th</sup> Edition (2020)** and **FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated 08/03/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 23-0901.05)*
2. Letter from consultant Al-Farooq Corporation, on behalf of Tecnoglass, LLC, requesting a 1-year extension to allow time to perform verification test, dated 08/03/23, signed and sealed by Jalal Farooq, P.E.  
*(Submitted under NOA No. 23-0901.05)*
3. Testing agreement letter dated 08/28/23 between QAI Laboratories and Tecnoglass, LLC, issued by QAI Laboratories and signed by Lusinda Delgado, Technical Report Writer.  
*(Submitted under NOA No. 23-0901.05)*

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0404.05  
Expiration Date: November 22, 2029  
Approval Date: April 16, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**


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

**F. STATEMENTS (CONTINUED)**

4. 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. 16-0510.16)*
5. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of asset and relinquishing of all rights of NOA No. **08-0312.02**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.  
*(Submitted under NOA No. 16-0510.16)*
6. 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. 16-0510.16)*
7. 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)*

**G. OTHERS**

1. Notice of Acceptance No. **21-0405.18**, issued to Tecnoglass, LLC., for their Series "PH3400" 9'10" Aluminum Sliding Glass Door – S.M.I., approved on 08/12/21 and expiring on 11/22/23.
2. This is a one-year approval, subjected to successful verification test, the final approval will be issued for a total of 5 years.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0404.05  
Expiration Date: November 22, 2029  
Approval Date: April 16, 2026

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **W07-108**, titled “Series PH3400 Alum. Sliding Glass Door (S.M.I.)”, sheets 1 through 8, 8.1, 9 and 10 through 15 of 15, dated 02/07/08, with revision **H** dated 01/14/26, 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Small Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
7) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an alum. sliding glass door with anchored and unanchored jambs, prepared by Blackwater Technical Services, Inc., Test Report No. **BT-ESW-23-052**, dated 03/27/25, signed and sealed by Michael D. Caldwell, P.E.
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 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 an alum. sliding glass door with Juliet railing, prepared by Blackwater Technical Services, Inc., Test Report No. **BT-ESW-24-014**, dated 12/04/24, signed and sealed by Michael D. Caldwell, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 8<sup>th</sup> Edition (2023), dated 02/14/25, 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)

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0404.05  
Expiration Date: November 22, 2029  
Approval Date: April 16, 2026

**Tecnoglass, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**E. MATERIAL CERTIFICATIONS**

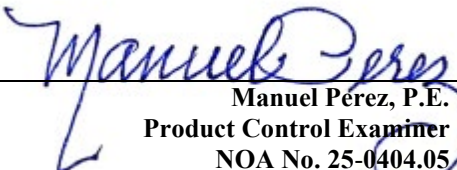
1. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 03/21/24, expiring on 07/08/29.
2. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear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

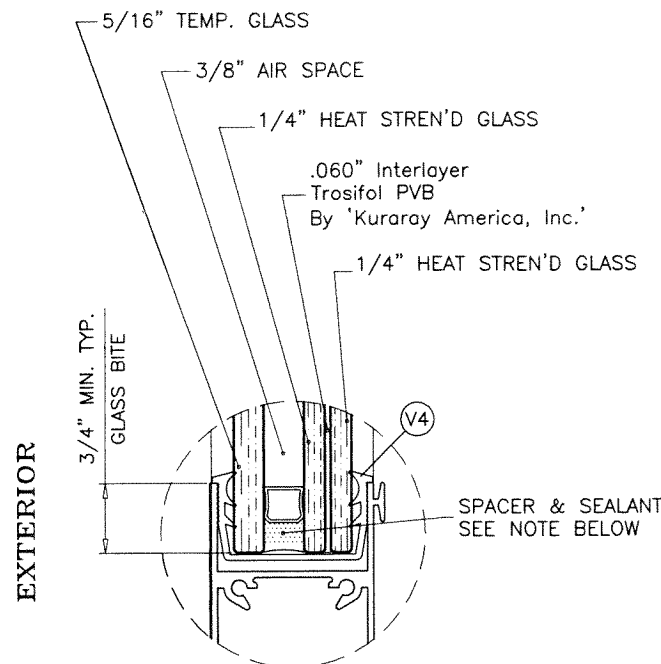
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated March 10, 2025, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Testing Proposal No. **23-1528**, dated 12/26/23, issued by the Product Control Section, signed by Sifang Zhao, P.E
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**

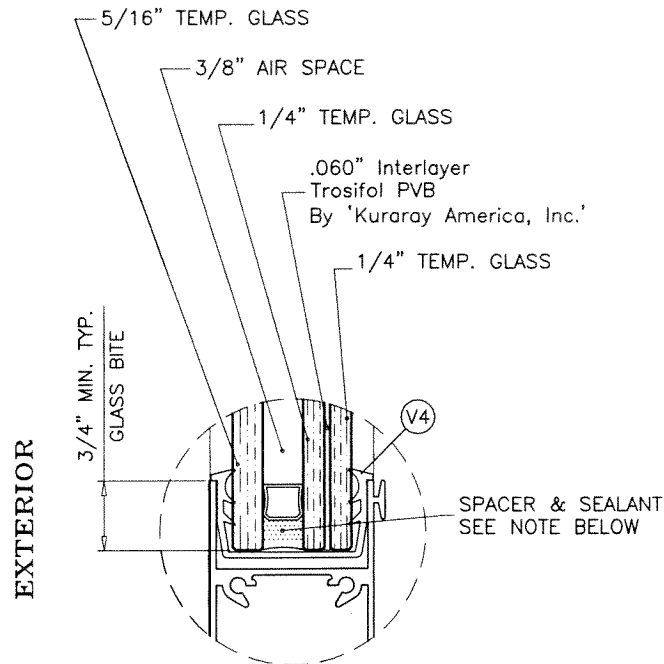
1. Notice of Acceptance No. **23-0901.05**, issued to Tecnoglass, LLC., for their Series “**PH3400**” 9’10” Aluminum Sliding Glass Door – S.M.I., approved on 10/19/23 and expiring on 11/22/24.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0404.05  
Expiration Date: November 22, 2029  
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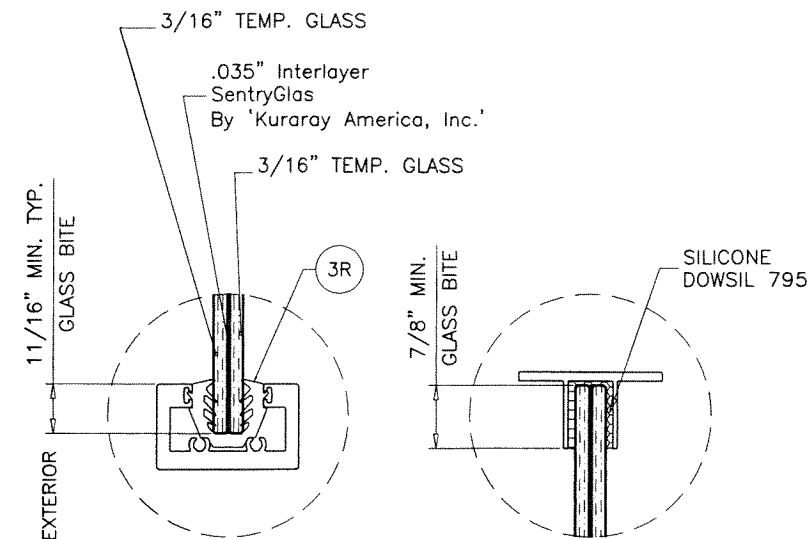
**S.G.D. GLASS TYPE 'A'**

1-1/4" OVERALL INSUL. LAM. GLASS



**S.G.D. GLASS TYPE 'B'**

1-1/4" OVERALL INSUL. LAM. GLASS



**SAFEGUARD BARRIER GLASS TYPE 'C'**

7/16" NOMINAL LAM. GLASS

**3/8" AIR SPACE CONSISTING OF:**

**SPACER:**

'HELIMA' LOW PROFILE ALUMINUM SPACER  
BY 'LINGERMANN GMBH'  
AROUND THE PERIMETER OF THE GLASS.

**PERIMETER SEALANT:**

SILICONE  
DOWSIL 791  
GE 2000

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.

**SERIES PH3400 ALUM SLIDING GLASS DOOR**

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

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

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

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

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

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

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

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

**INSTRUCTIONS:**

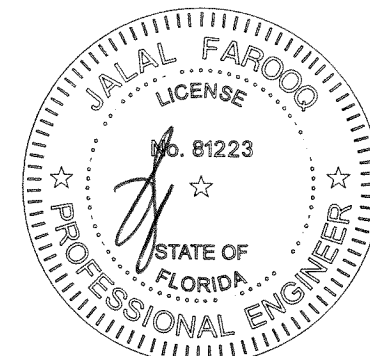
USE CHARTS AS FOLLOWS

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 4 FOR THE REINFORCING OPTION USED.
- STEP 3** USING CHARTS ON SHEET 5 & 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **25-0404.05**  
Expiration Date: **11/22/2029**  
By: *Manuel Torres*  
Miami-Dade Product Control

MAR 18 2026

INSUL. LAM. GLASS  
SMALL MISSILE IMPACT



**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W07-108-TCI

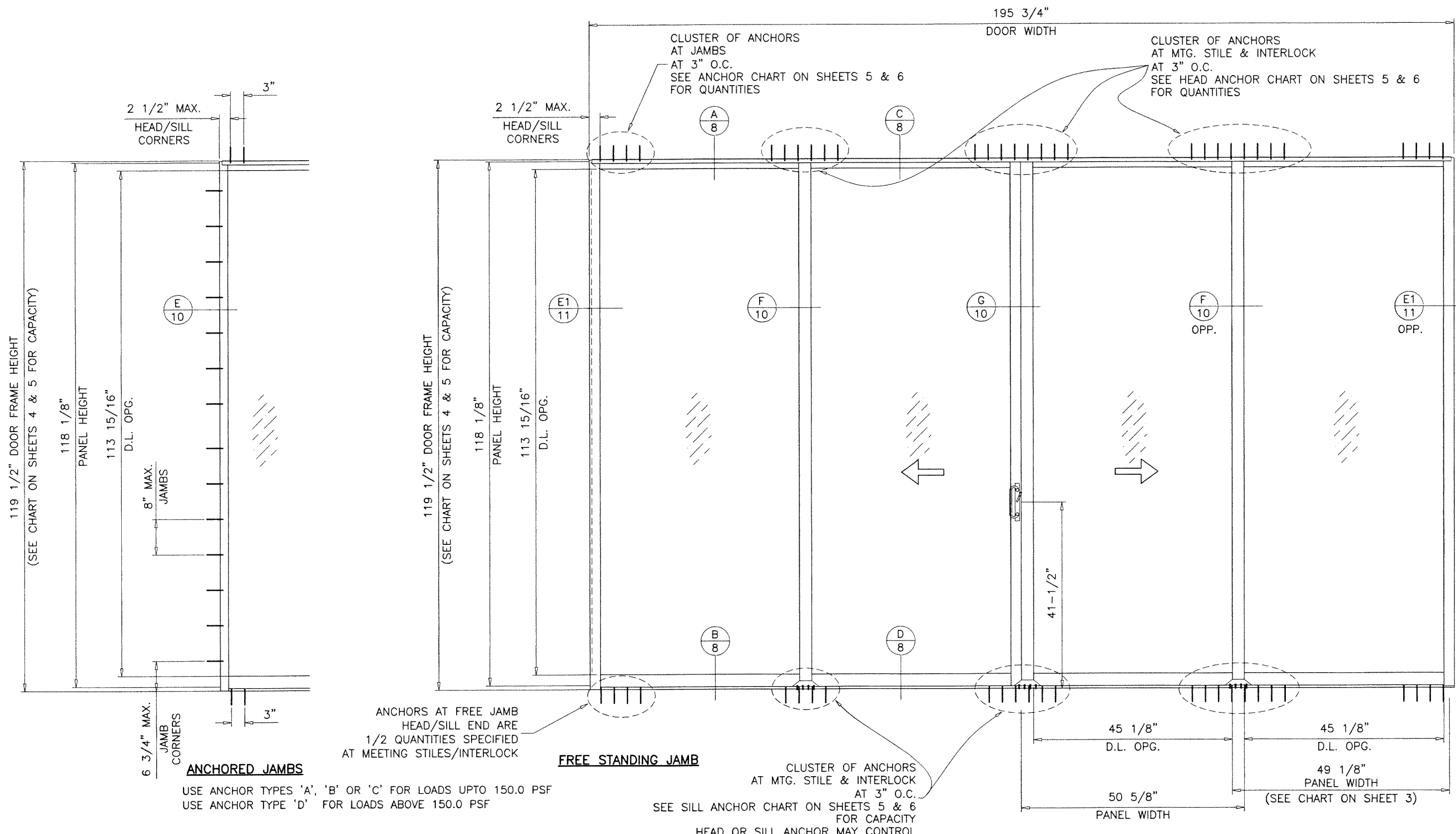
SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description	by
E	11.19.20	UPDATED TO 2020 FBC	
F	08.03.23	UPDATED TO 2023 FBC	
G	02.26.25	GENERAL REVISION	
H	01.14.26	REV. PER RER COMMENTS	

revisions:

date: 02-07-08  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no. **W07-108**  
sheet 1 of 15



ANCHORED JAMBS  
 USE ANCHOR TYPES 'A', 'B' OR 'C' FOR LOADS UP TO 150.0 PSF  
 USE ANCHOR TYPE 'D' FOR LOADS ABOVE 150.0 PSF

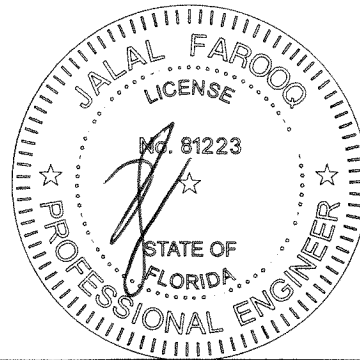
FREE STANDING JAMB  
 ANCHORS AT FREE JAMB HEAD/SILL END ARE 1/2 QUANTITIES SPECIFIED AT MEETING STILES/INTERLOCK

CLUSTER OF ANCHORS AT MTG. STILE & INTERLOCK AT 3" O.C.  
 SEE SILL ANCHOR CHART ON SHEETS 5 & 6 FOR CAPACITY  
 HEAD OR SILL ANCHOR MAY CONTROL

TYPICAL ELEVATION  
 TESTED UNIT (OXXO)

ALTERNATE SIZE UNITS: (4 PANELS OR LESS)  
 MAX. FRAME AREA OF DOORS NOT TO EXCEED THE TESTED FRAME AREA OF 162.4 SQ. FT.

**PRODUCT REVISED**  
 As complying with the Florida Building Code  
 NOA-No. **25-0404.05**  
 Expiration Date: **11/22/2029**  
 By: *Manuel Torres*  
 Miami-Dade Product Control



DAYLITE OPENINGS:  
 D.L.O. HEIGHT = PANEL HEIGHT - 4.188"  
 D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH - 5.875"  
 D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH - 5.500"  
 PANEL HEIGHT = DOOR FRAME HEIGHT - 1.375"

MAR 18 2026

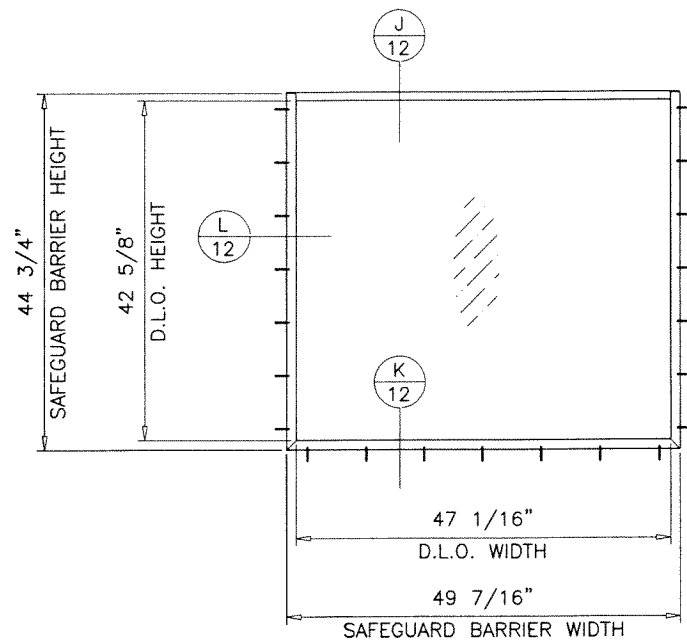
**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W07-108-TGI

SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
 3550 N.W. 49 STREET  
 MIAMI, FL. 33142  
 TEL. (305) 638-5151 FAX. (305) 638-5158

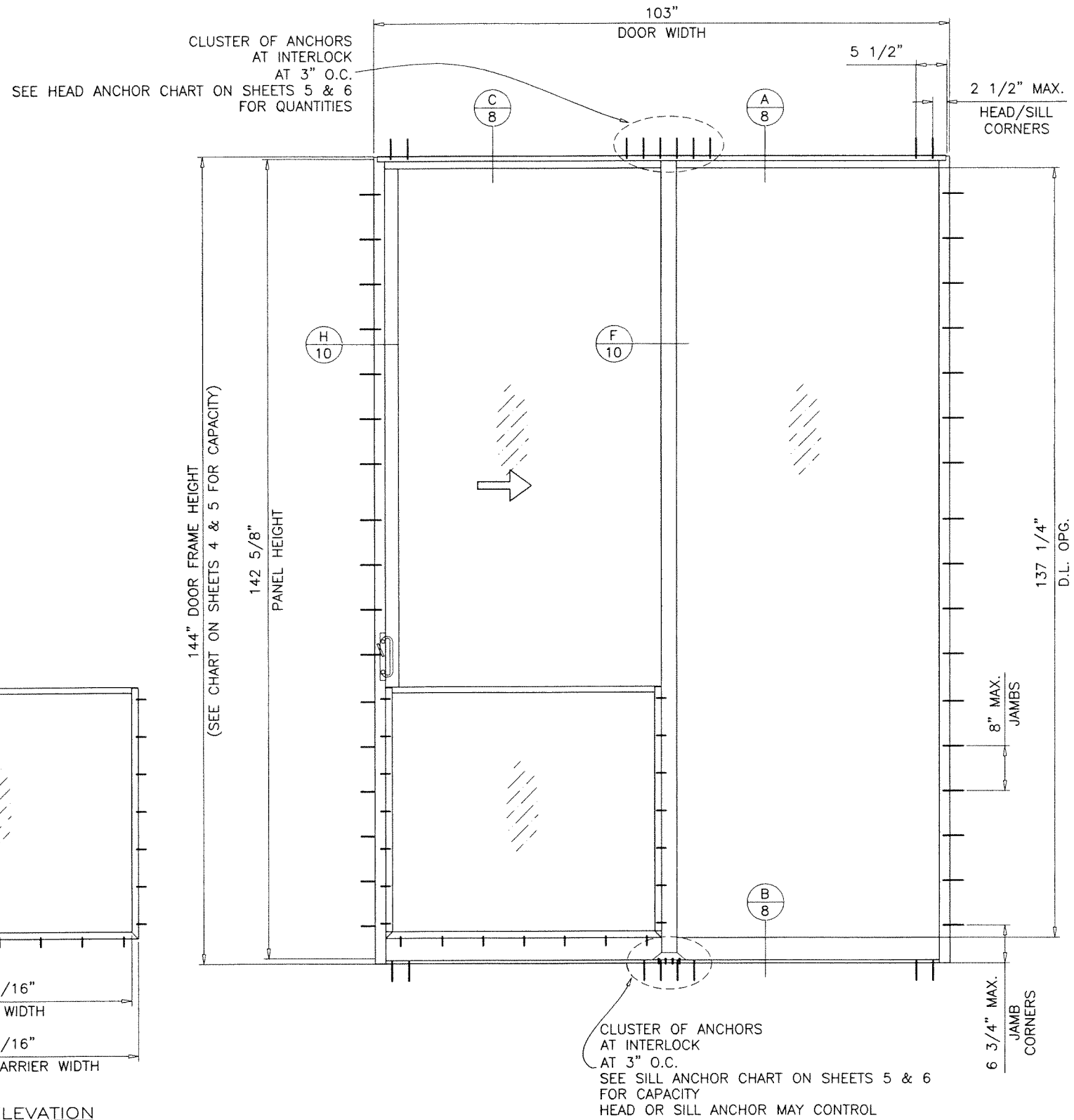
no	date	description
G	02.26.25	GENERAL REVISION
H	01.14.26	REV. PER RER COMMENTS

revisions:  
 date: 02-07-08  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W07-108**  
 sheet 2 of 15



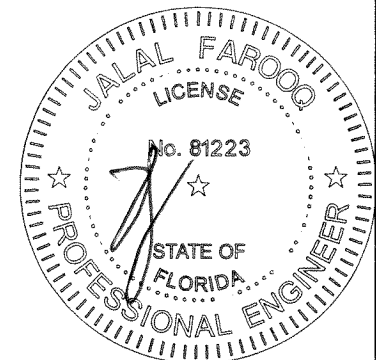
TYPICAL ELEVATION  
SAFEGUARD BARRIER



TYPICAL ELEVATION  
TESTED UNIT (XO WITH SAFEGUARD BARRIER)

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **25-0404.05**  
Expiration Date: **11/22/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control

MAR 18 2026



SERIES PH3400 ALUM SLIDING 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
G	02.26.25	GENERAL REVISION
H	01.14.26	NO CHANGE THIS SHEET

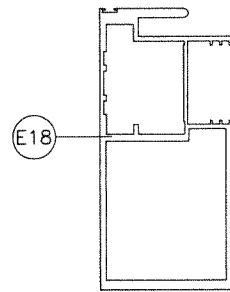
date: 02-07-08  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-108**  
sheet 3 of 15

**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)

COMP-ANL\W07-108-TGI

DESIGN LOAD CAPACITY - PSF OX, XO, OXO, OXOX CONFIGURATIONS			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	W/O INTERLOCK REINF.	
		GLASS TYPES 'A' & 'B'	
		EXT.(+)	INT.(-)
36	84	146.7	150.0
42		146.7	150.0
48		146.7	150.0
54		135.1	135.1
60		121.6	121.6
36	90	146.7	150.0
42		146.7	150.0
48		146.7	150.0
54		135.1	135.1
60		121.6	121.6
36	96	146.7	150.0
42		146.7	150.0
48		146.7	150.0
54		135.1	135.1
36	102	146.7	150.0
42		146.7	150.0
48		146.7	150.0
54		135.1	135.1
36	108	146.7	150.0
42		146.7	150.0
48		146.7	150.0
36	113	146.7	150.0
42		146.7	150.0
48		146.7	150.0
36	119-1/2	146.7	150.0
42		146.7	150.0
48		146.7	150.0



INTERLOCKS  
W/O REINF.

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

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

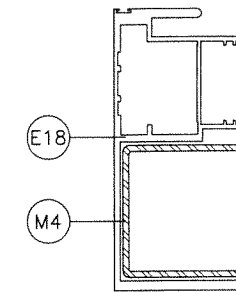
SEE CHART ABOVE FOR DESIGN LOAD CAPACITY OF  
DESIRED GLASS SIZE.

SEE CHARTS ON SHEETS 5 AND 6 FOR ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART  
OR ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

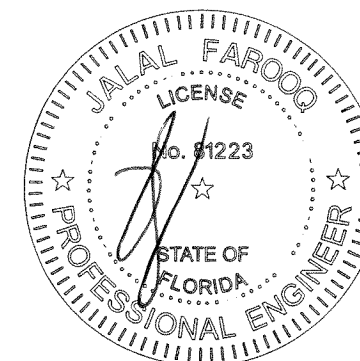
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF OX, XO CONFIGURATIONS ONLY			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	WITH INTERLOCK REINF.	
		GLASS TYPE 'B'	
		EXT.(+)	INT.(-)
36	113	150.0	200.0
39		150.0	200.0
42		150.0	200.0
45		150.0	200.0
48		150.0	200.0
51-1/2		150.0	200.0
36		120	150.0
39	150.0		200.0
42	150.0		200.0
45	150.0		200.0
48	150.0		200.0
51-1/2	150.0	190.8	
36	126	150.0	200.0
39		150.0	200.0
42		150.0	200.0
45		150.0	194.3
48		150.0	183.2
51-1/2	150.0	172.1	
36	132	150.0	200.0
39		150.0	200.0
42		150.0	188.0
45		150.0	176.4
48		150.0	166.2
51-1/2	144.0	156.0	
36	138	150.0	198.6
39		150.0	184.0
42		150.0	171.6
45		148.5	160.8
48		139.9	151.5
51-1/2	131.2	142.1	
36	144	150.0	181.1
39		150.0	167.9
42		144.6	156.6
45		135.6	146.9
48		127.9	138.5
51-1/2	120.0	130.0	



INTERLOCKS  
WITH REINF.

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **25-0404.05**  
Expiration Date: **11/22/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control



MAR 18 2026

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

SERIES PH3400 ALUM SLIDING 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
	G	02.26.25	GENERAL REVISION
	H	01.14.26	NO CHANGE THIS SHEET

date:	02-07-08
scale:	-
dr. by:	TARIO
chk. by:	

drawing no.  
**W07-108**  
sheet 4 of 15

COMP-ANL\W07-108-TGI

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)

PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	1/2" MAX. SHIM SPACE									3/8" MAX. SHIM SPACE									1/4" MAX. SHIM SPACE								
		ANCHORS 'A' & 'B'			ANCHORS 'C'			ANCHORS 'C'			ANCHORS 'A'			ANCHORS 'B'			ANCHORS 'C'											
		2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS									
		4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS	4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS	4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS	4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS	4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS	4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS									
			EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)										
36	82	77.4	116.1	150.0	57.2	85.9	114.5	72.7	109.1	145.4	98.0	146.9	150.0	143.2	150.0	150.0	150.0	150.0										
42		66.4	99.5	132.7	49.1	73.6	98.1	62.3	93.5	124.6	84.0	125.9	150.0	122.8	150.0	150.0	130.8	150.0	150.0									
48		58.1	87.1	116.1	42.9	64.4	85.9	54.5	81.8	109.1	73.5	110.2	146.9	107.4	150.0	150.0	114.4	150.0	150.0									
54		51.6	77.4	103.2	38.2	57.2	76.3	48.5	72.7	96.9	65.3	98.0	130.6	95.5	143.2	150.0	101.7	150.0	150.0									
60		46.5	69.7	92.9	34.3	51.5	68.7	43.6	65.4	87.2	58.8	88.2	117.5	85.9	128.9	150.0	91.6	137.3	150.0									
36	84	75.6	113.4	150.0	55.9	83.8	111.8	71.0	106.5	141.9	95.6	143.4	150.0	139.8	150.0	150.0	149.0	150.0	150.0									
42		64.8	97.2	129.6	47.9	71.9	95.8	60.8	91.2	121.7	82.0	122.9	150.0	119.8	150.0	150.0	127.7	150.0	150.0									
48		56.7	85.0	113.4	41.9	62.9	83.8	53.2	79.8	106.5	71.7	107.6	143.4	104.9	150.0	150.0	111.7	150.0	150.0									
54		50.4	75.6	100.8	37.3	55.9	74.5	47.3	71.0	94.6	63.7	95.6	127.5	93.2	139.8	150.0	99.3	149.0	150.0									
60		45.3	68.0	90.7	33.5	50.3	67.1	42.6	63.9	85.2	57.4	86.1	114.7	83.9	125.8	150.0	89.4	134.1	150.0									
36	90	70.5	105.8	141.1	52.2	78.2	104.3	66.2	99.4	132.5	89.2	133.9	150.0	130.5	150.0	150.0	139.0	150.0	150.0									
42		60.5	90.7	120.9	44.7	67.1	89.4	56.8	85.2	113.6	76.5	114.7	150.0	111.8	150.0	150.0	119.2	150.0	150.0									
48		52.9	79.4	105.8	39.1	58.7	78.2	49.7	74.5	99.4	66.9	100.4	133.9	97.9	146.8	150.0	104.3	150.0	150.0									
54		47.0	70.5	94.1	34.8	52.2	69.5	44.2	66.2	88.3	59.5	89.2	119.0	87.0	130.5	150.0	92.7	139.0	150.0									
60		42.3	63.5	84.7	31.3	46.9	62.6	39.7	59.6	79.5	53.5	80.3	107.1	78.3	117.4	150.0	83.4	125.1	150.0									
36	96	66.1	99.2	132.3	48.9	73.4	97.8	62.1	93.2	124.2	83.7	125.5	150.0	122.3	150.0	150.0	130.3	150.0	150.0									
42		56.7	85.0	113.4	41.9	62.9	83.8	53.2	79.8	106.5	71.7	107.6	143.4	104.9	150.0	150.0	111.7	150.0	150.0									
48		49.6	74.4	99.2	36.7	55.0	73.4	46.6	69.9	93.2	62.8	94.1	125.5	91.8	137.6	150.0	97.8	146.6	150.0									
54		44.1	66.1	88.2	32.6	48.9	65.2	41.4	62.1	82.8	55.8	83.7	111.6	81.6	122.3	150.0	86.9	130.3	150.0									
60		39.7	59.5	79.4	29.3	44.0	58.7	37.3	55.9	74.5	50.2	75.3	100.4	73.4	110.1	150.0	78.2	117.3	150.0									
36	102	62.2	93.4	124.5	46.0	69.0	92.0	58.4	87.7	116.9	78.7	118.1	150.0	115.1	150.0	150.0	122.7	150.0	150.0									
42		53.4	80.0	106.7	39.4	59.2	78.9	50.1	75.1	100.2	67.5	101.2	135.0	98.7	148.0	150.0	105.1	150.0	150.0									
48		46.7	70.0	93.4	34.5	51.8	69.0	43.8	65.8	87.7	59.1	88.6	118.1	86.4	129.5	150.0	92.0	138.0	150.0									
54		41.5	62.2	83.0	30.7	46.0	61.4	39.0	58.4	77.9	52.5	78.7	105.0	76.8	115.1	150.0	81.8	122.7	150.0									
36	108	58.8	88.2	117.6	43.5	65.2	86.9	55.2	82.8	110.4	74.4	111.6	148.7	108.7	150.0	150.0	115.9	150.0	150.0									
42		50.4	75.6	100.8	37.3	55.9	74.5	47.3	71.0	94.6	63.7	95.6	127.5	93.2	139.8	150.0	99.3	149.0	150.0									
48		44.1	66.1	88.2	32.6	48.9	65.2	41.4	62.1	82.8	55.8	83.7	111.6	81.6	122.3	150.0	86.9	130.3	150.0									
36	113	56.2	84.3	112.4	41.5	62.3	83.1	52.8	79.1	105.5	71.1	106.6	142.2	103.9	150.0	150.0	110.7	150.0	150.0									
42		48.2	72.2	96.3	35.6	53.4	71.2	45.2	67.8	90.4	60.9	91.4	121.9	89.1	133.6	150.0	94.9	142.4	150.0									
48		42.1	63.2	84.3	31.2	46.7	62.3	39.6	59.4	79.1	53.3	80.0	106.6	77.9	116.9	150.0	83.0	124.6	150.0									
36	119-1/2	53.1	79.7	106.3	39.3	58.9	78.6	49.9	74.8	99.8	67.2	100.8	134.4	98.3	147.4	150.0	104.7	150.0	150.0									
42		45.5	68.3	91.1	33.7	50.5	67.3	42.8	64.1	85.5	57.6	86.4	115.2	84.2	126.4	150.0	89.7	134.6	150.0									
48		39.8	59.8	79.7	29.5	44.2	58.9	37.4	56.1	74.8	50.4	75.6	100.8	73.7	110.6	147.4	78.5	117.8	150.0									

DESIGN LOAD CAPACITY - PSF SILL ANCHORS (TYPE B)				
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	2 ANCHORS AT JAMBS	3 ANCHORS AT JAMBS	4 ANCHORS AT JAMBS
		4 ANCHORS STILE ENDS	6 ANCHORS STILE ENDS	8 ANCHORS STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	82	143.2	150.0	150.0
42		122.8	150.0	150.0
48		107.4	150.0	150.0
54		95.5	143.2	150.0
60		85.9	128.9	150.0
36	84	139.8	150.0	150.0
42		119.8	150.0	150.0
48		104.9	150.0	150.0
54		93.2	139.8	150.0
60		83.9	125.8	150.0
36	90	130.5	150.0	150.0
42		111.8	150.0	150.0
48		97.9	146.8	150.0
54		87.0	130.5	150.0
60		78.3	117.4	150.0
36	96	122.3	150.0	150.0
42		104.9	150.0	150.0
48		91.8	137.6	150.0
54		81.6	122.3	150.0
60		73.4	110.1	150.0
36	102	115.1	150.0	150.0
42		98.7	148.0	150.0
48		86.4	129.5	150.0
54		76.8	115.1	150.0
36	108	108.7	150.0	150.0
42		93.2	139.8	150.0
48		81.6	122.3	150.0
36	113	103.9	150.0	150.0
42		89.1	133.6	150.0
48		77.9	116.9	150.0
36	119-1/2	98.3	147.4	150.0
42		84.2	126.4	150.0
48		73.7	110.6	147.4

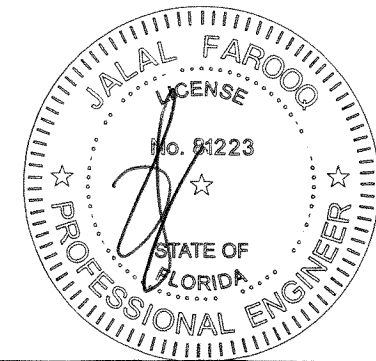
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W07-108-TGI

SERIES PH3400 ALUM SLIDING 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
E	11.19.20	UPDATED TO 2020 FBC
F	08.03.23	NO CHANGE THIS SHEET
G	02.26.25	GENERAL REVISION
H	01.14.26	NO CHANGE THIS SHEET

date: 02-07-08  
 scale: -  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **W07-108**  
 sheet 5 of 15

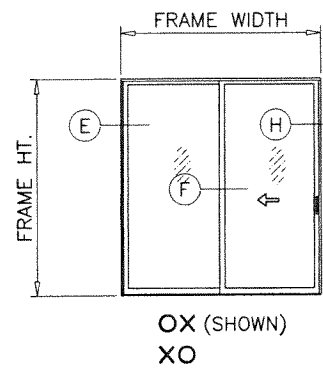
**PRODUCT REVISED**  
 As complying with the Florida Building Code  
 NOA-No. **25-0404.05**  
 Expiration Date: **11/22/2029**  
 By: *Manuel Perez*  
 Miami-Dade Product Control



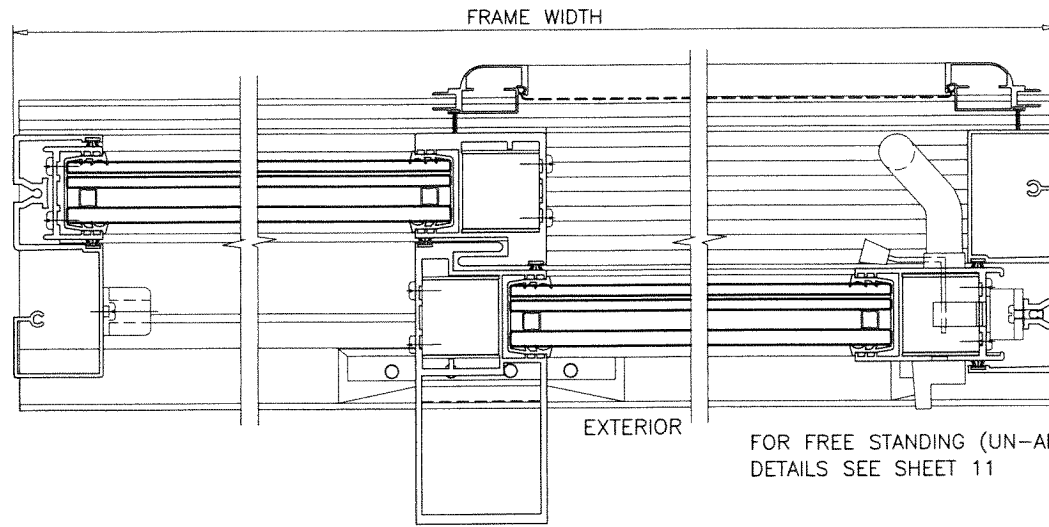
SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND REINFORCING TYPES.  
 SEE CHARTS ABOVE FOR HEAD AND SILL ANCHOR CAPACITY.  
 LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART OR HEAD ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

**MAR 18 2026**

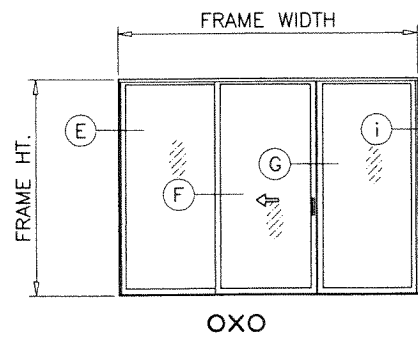




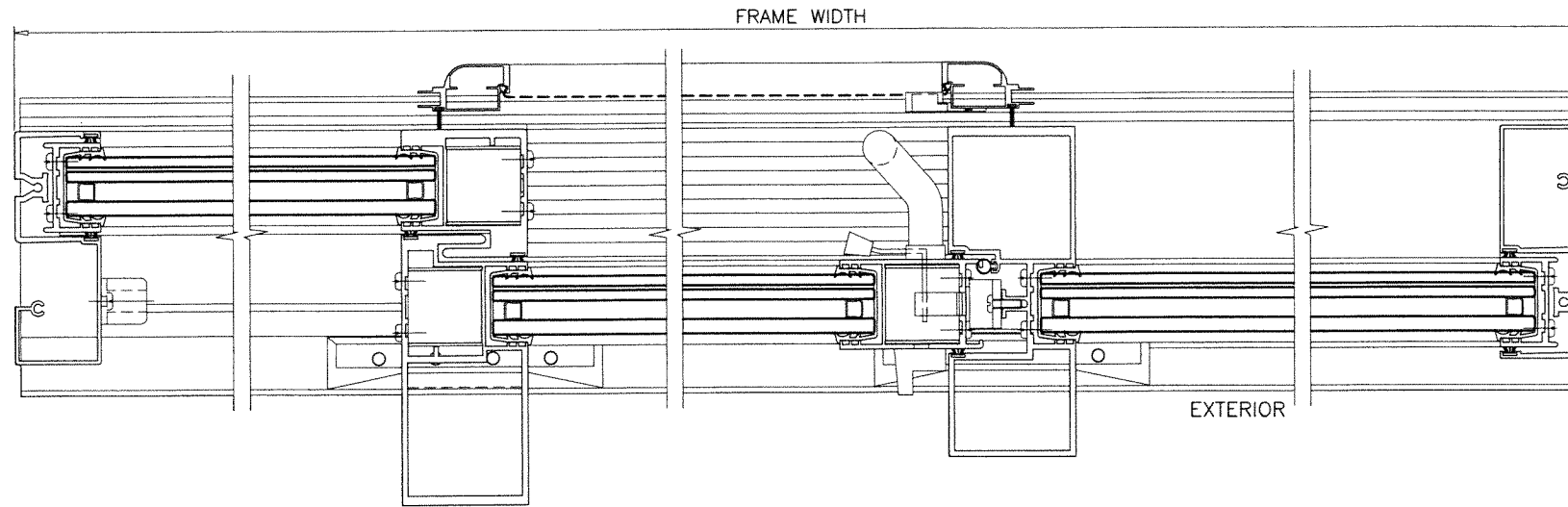
OX (SHOWN)  
XO



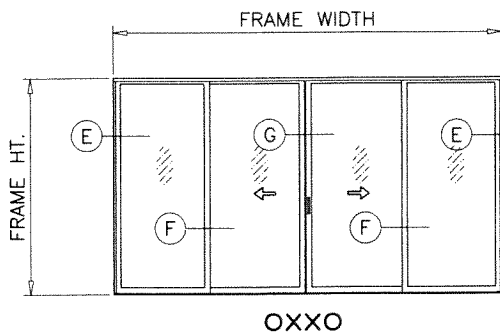
FOR FREE STANDING (UN-ANCHORED) JAMB  
DETAILS SEE SHEET 11



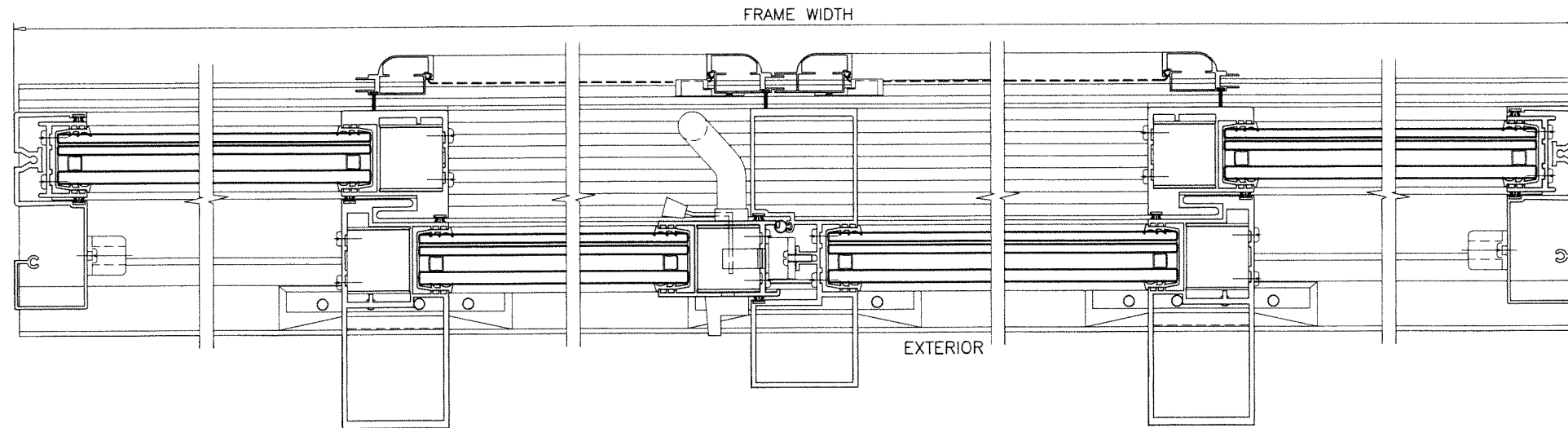
OXO



EXTERIOR



OXXO



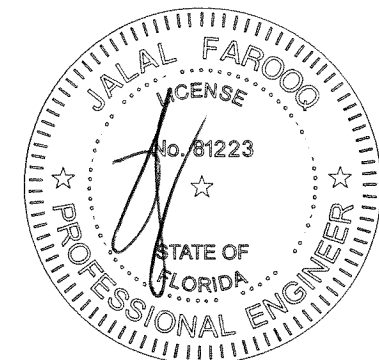
EXTERIOR

NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 4.
3. FOR ANCHOR DETAILS SEE SHEETS 8 THRU 10.

APPROVED CONFIGURATIONS

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **25-0404.05**  
Expiration Date: **11/22/2029**  
By: *Manuel Torres*  
Miami-Dade Product Control



MAR 18 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)

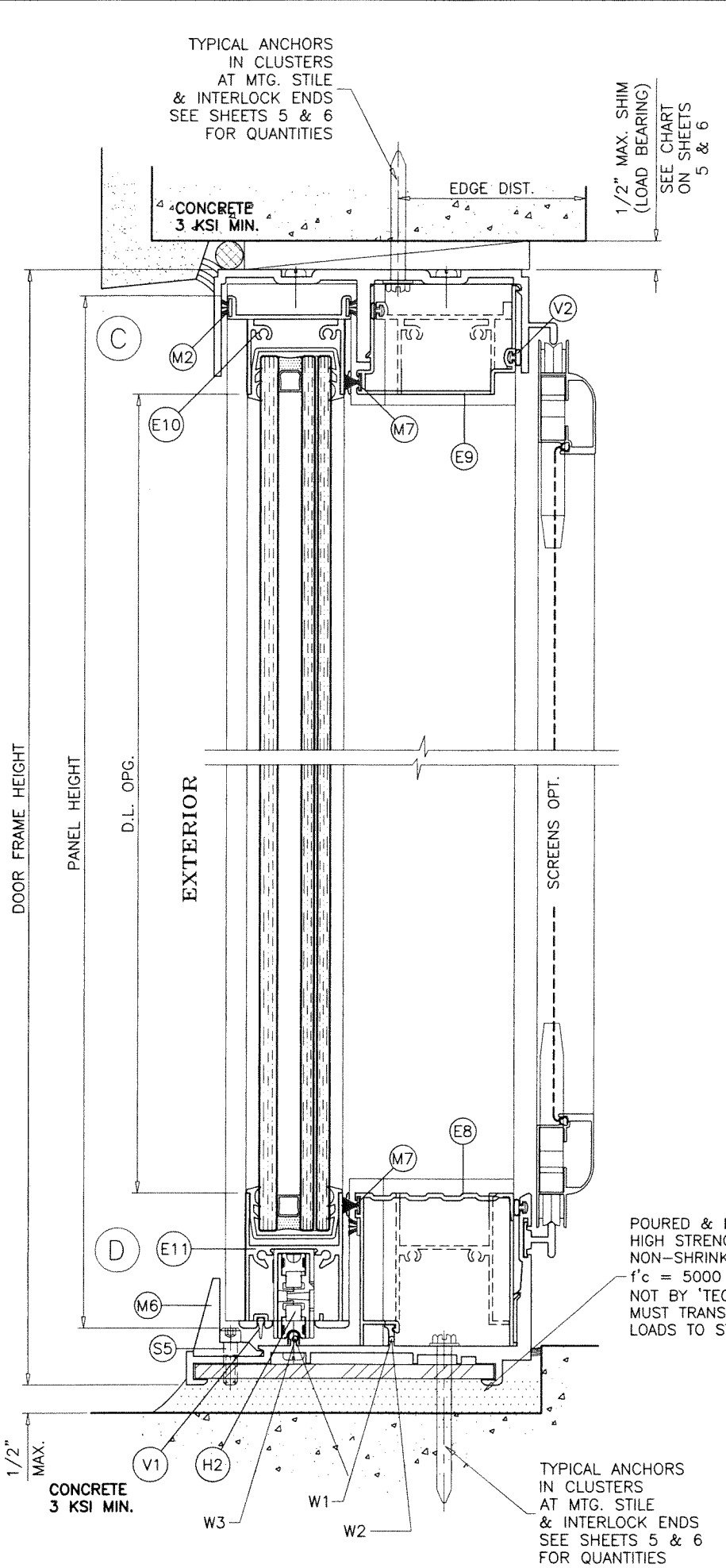
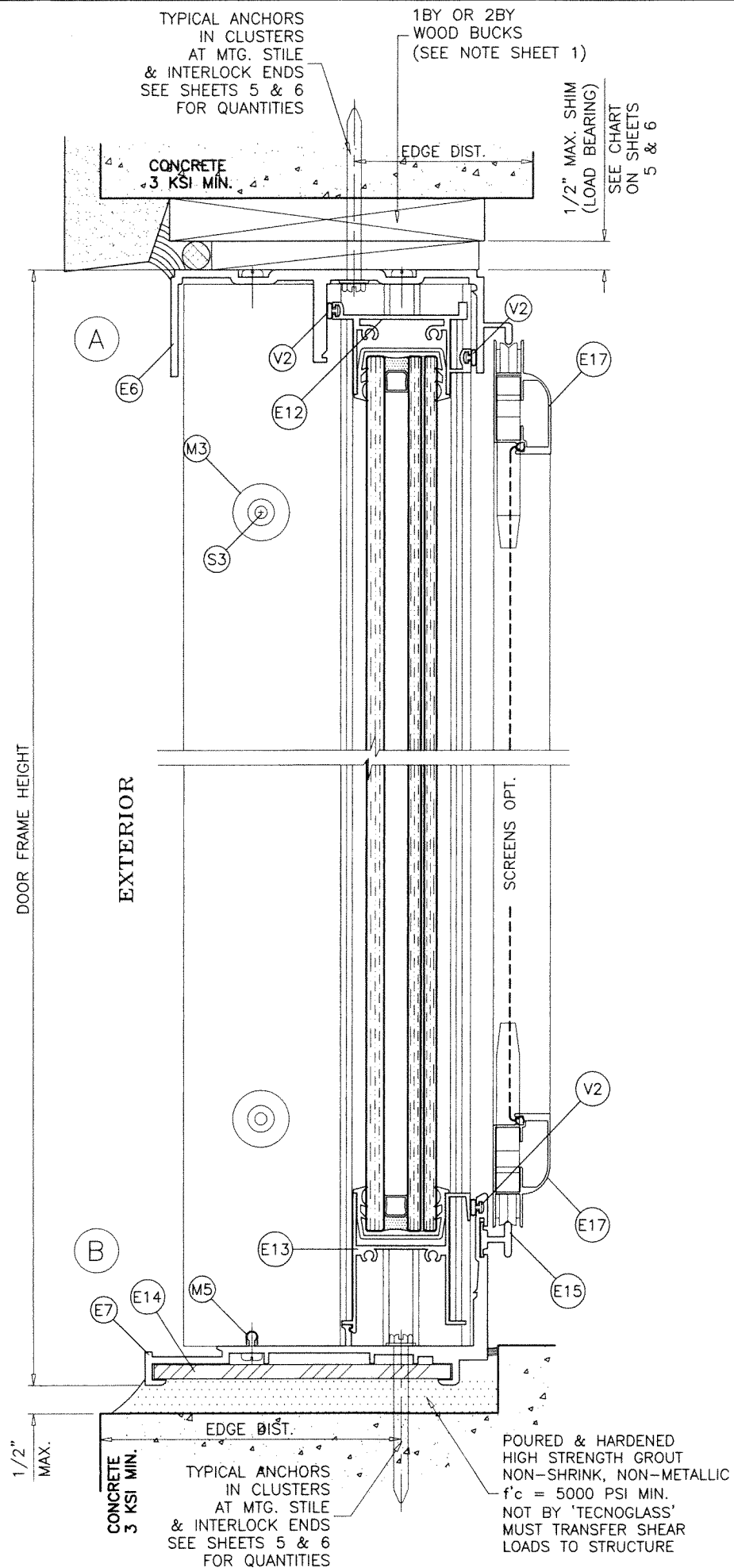
SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)

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

no	date	by	description
E	11.19.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	02.26.25		GENERAL REVISION
H	01.14.26		REV. PER PER COMMENTS

date:	02-07-08
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.  
**W07-108**  
sheet 7 of 15

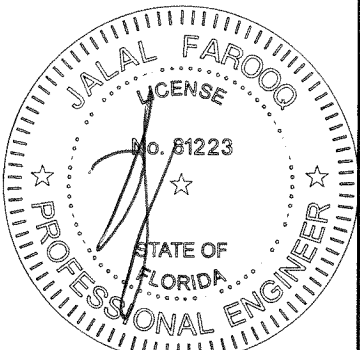


**WEEPS:**

- W1 = 3/4" WEEP NOTCH AT EACH END OF EACH TRACK
- W2 = 1-3/4" NOTCH AT MIDSPAN OF FIX. PANEL TRACK
- W3 = 2-1/2" NOTCH AT MIDSPAN OF MOV. PANEL TRACK

**PRODUCT REVISED**  
 As complying with the Florida Building Code  
 NOA-No. **25-0404.05**  
 Expiration Date: **11/22/2029**  
 By: *Manuel Torres*  
 Miami-Dade Product Control

**MAR 18 2026**



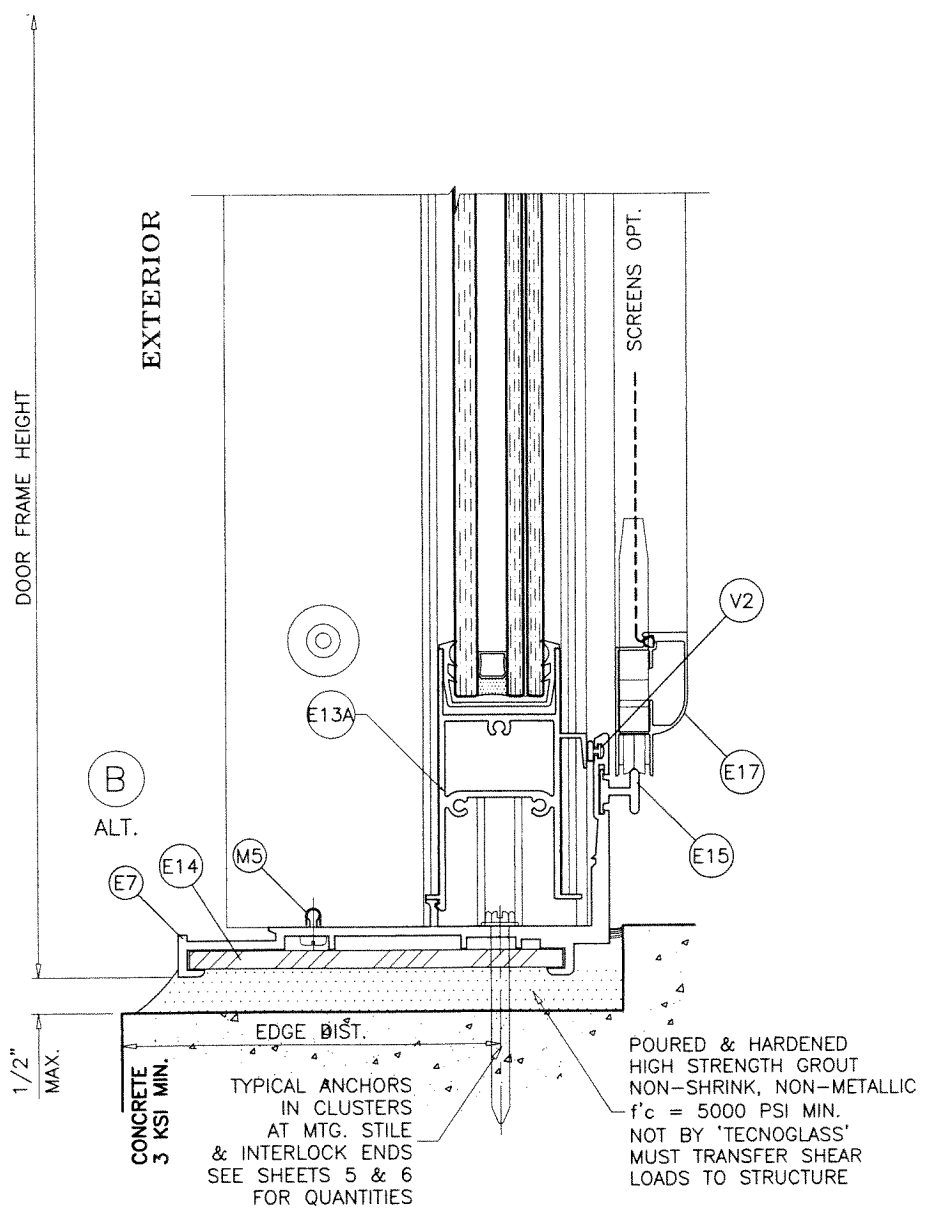
**afc**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
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 COMP-ANL\W07-108-TCI

SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
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 MIAMI, FL. 33142  
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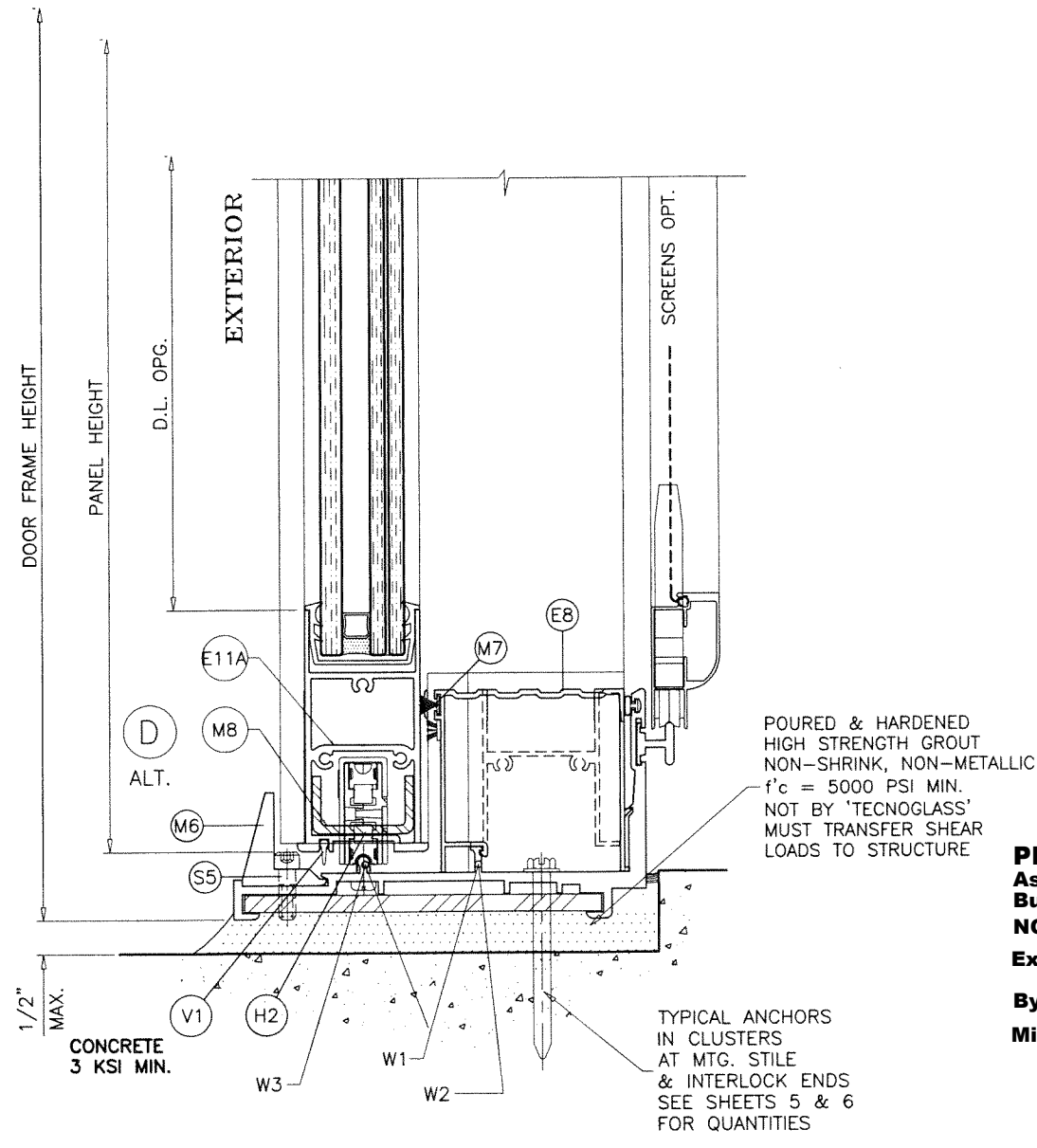
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E	11.19.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	02.26.25		GENERAL REVISION
H	01.14.26		NO CHANGE THIS SHEET

date: 02-07-08  
 scale: 3/8" = 1"  
 dr. by: TARIO  
 chk. by:

drawing no. **W07-108**  
 sheet **8** of **15**



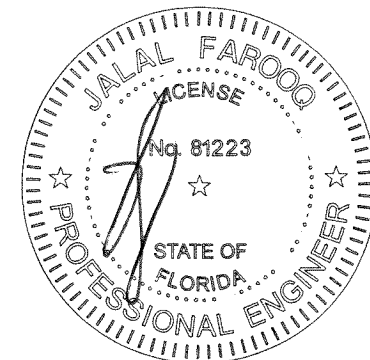
FIXED PANEL



OPERABLE PANEL

**PRODUCT REVISED**  
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 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173 (C.A.N. 3538)  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W07-108-TGI

no	date	by description
G	02.26.25	GENERAL REVISION
H	01.14.26	REV. PER PER COMMENTS

date: 02-07-08  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. **W07-108**  
 sheet **8** of **15**

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.

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

**AT HEAD**

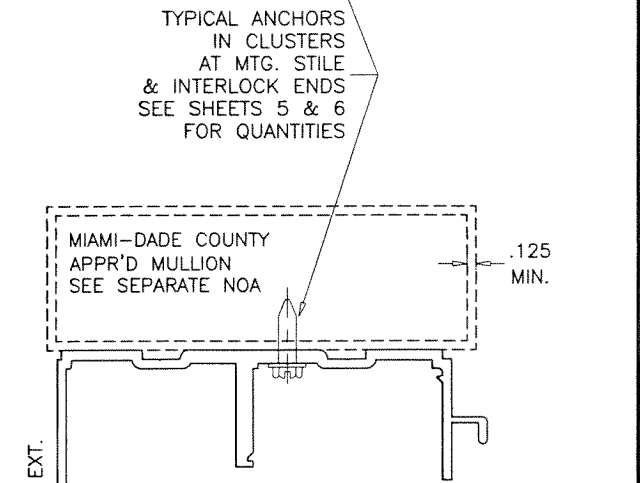
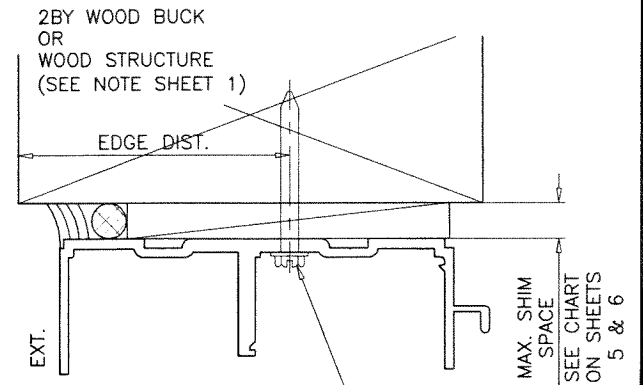
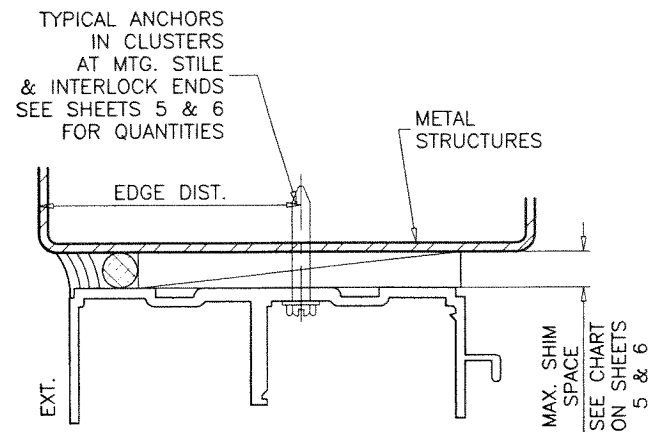
- TYPE 'A'- 1/4" X 2-3/4" HILTI KWIK-CON II+ (Fu=138 KSI, Fy=137 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONCRETE  
1-1/4" MIN. EMBED INTO CONCRETE
- TYPE 'B'- 1/4" X 2-3/4" HILTI KWIK-CON II+ (Fu=138 KSI, Fy=137 KSI)  
DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT
- TYPE 'C'- 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE 'D'- 5/16" X 2-3/4" ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE

**AT SILL**

- TYPE 'B'- 1/4" DIA. HILTI KWIK-CON II+ (Fu=138 KSI, Fy=137 KSI)  
DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT
- TYPE 'D'- 5/16" X 2-3/4" ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)  
DIRECTLY INTO CONCRETE  
1-3/4" MIN. EMBED INTO CONCRETE

**AT JAMBS**

- TYPE 'A'- 1/4" X 2-3/4" HILTI KWIK-CON II+ (Fu=138 KSI, Fy=137 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS
- TYPE 'B'- 1/4" X 2-3/4" HILTI KWIK-CON II+ (Fu=138 KSI, Fy=137 KSI)  
DIRECTLY INTO CONCRETE OR BLOCKS  
1-3/4" MIN. EMBED INTO CONCRETE  
1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS
- TYPE 'C'- 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE 'D'- 5/16" X 2-3/4" ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)  
DIRECTLY INTO CONCRETE OR BLOCKS  
1-3/4" MIN. EMBED INTO CONCRETE OR GROUT-FILLED BLOCKS



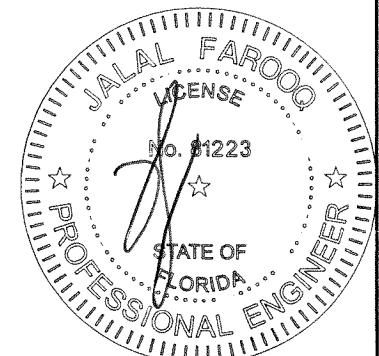
**CRITICAL EDGE DISTANCE**

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

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

**PRODUCT REVISED**  
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Expiration Date: **11/22/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control

**MAR 18 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

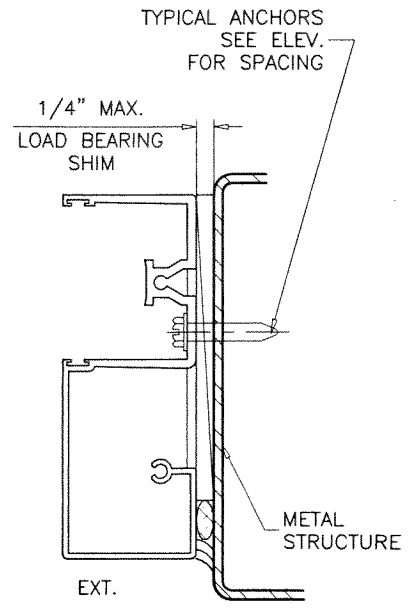
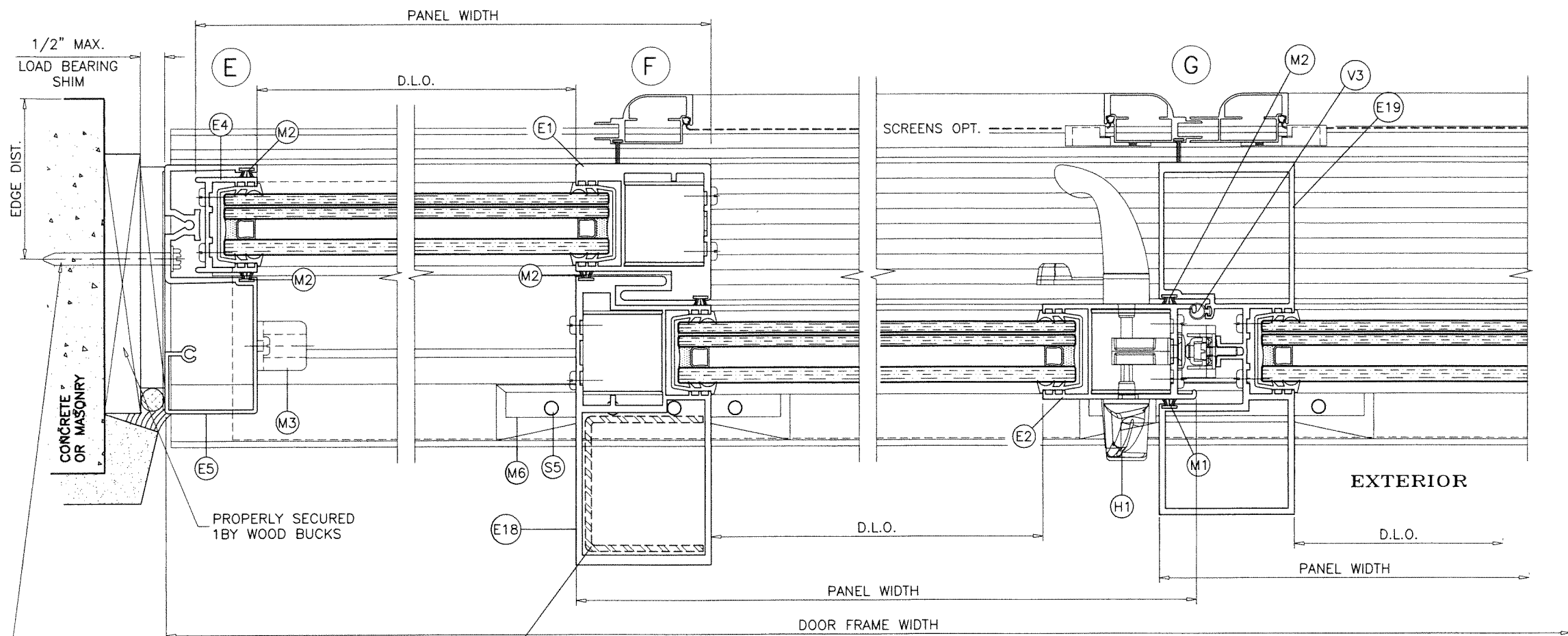
SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
E	11.19.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	02.26.25		GENERAL REVISION
H	01.14.26		REV. PER RER COMMENTS

date: 02-07-08  
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dr. by: TARIQ  
chk. by:

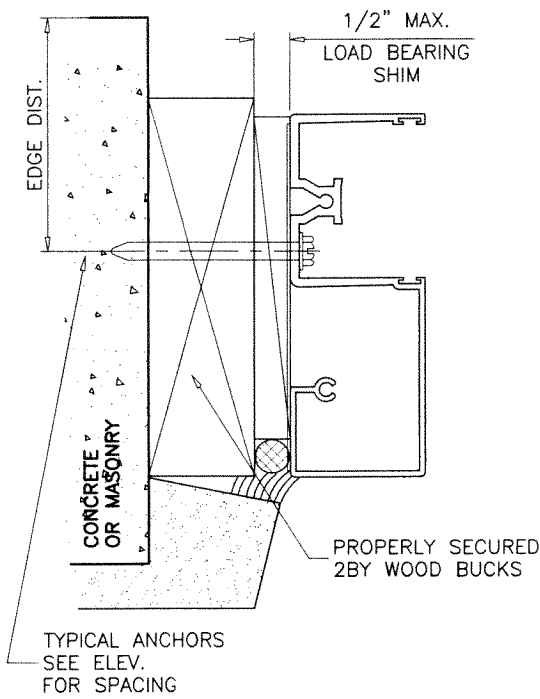
drawing no. **W07-108**  
sheet **9** of 15

COMP-ANL\W07-108-TGI

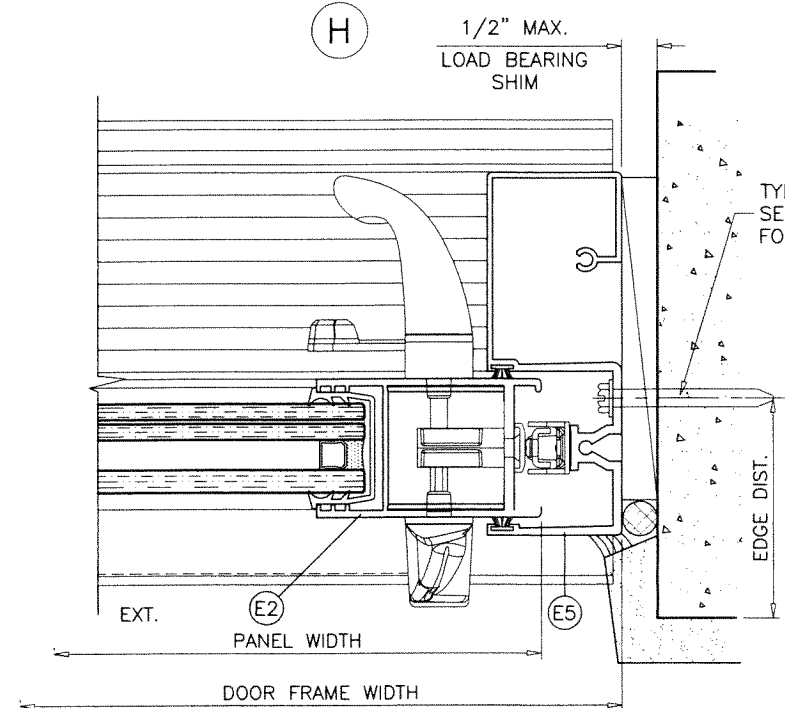


TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING

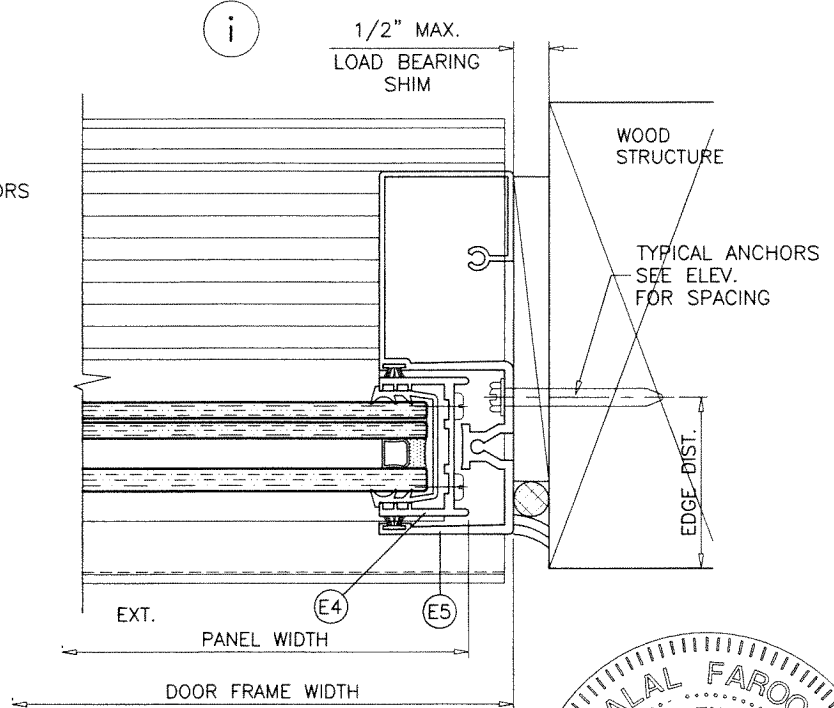
M4 REINFORCING  
AS REQD.  
SEE SHEET 4



TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING



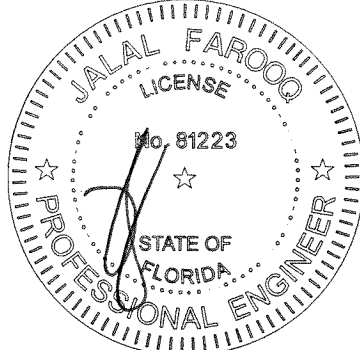
TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING



TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING

**PRODUCT REVISED**  
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Miami-Dade Product Control

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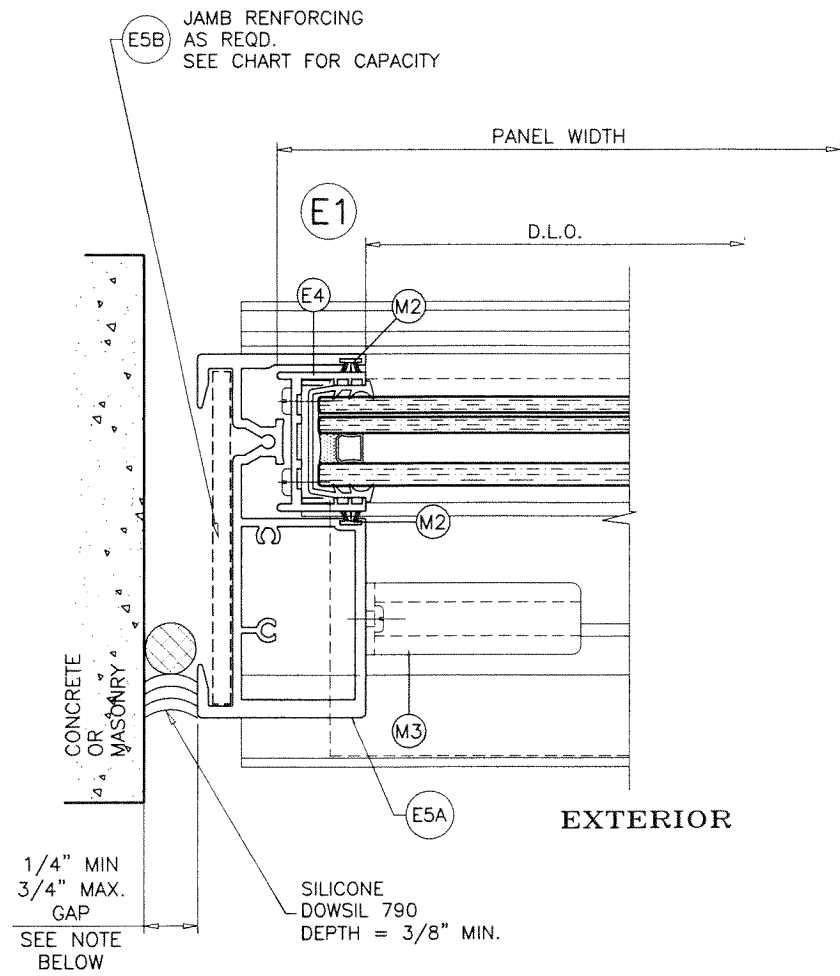
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**TECNOGLASS, LLC**  
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revisions:

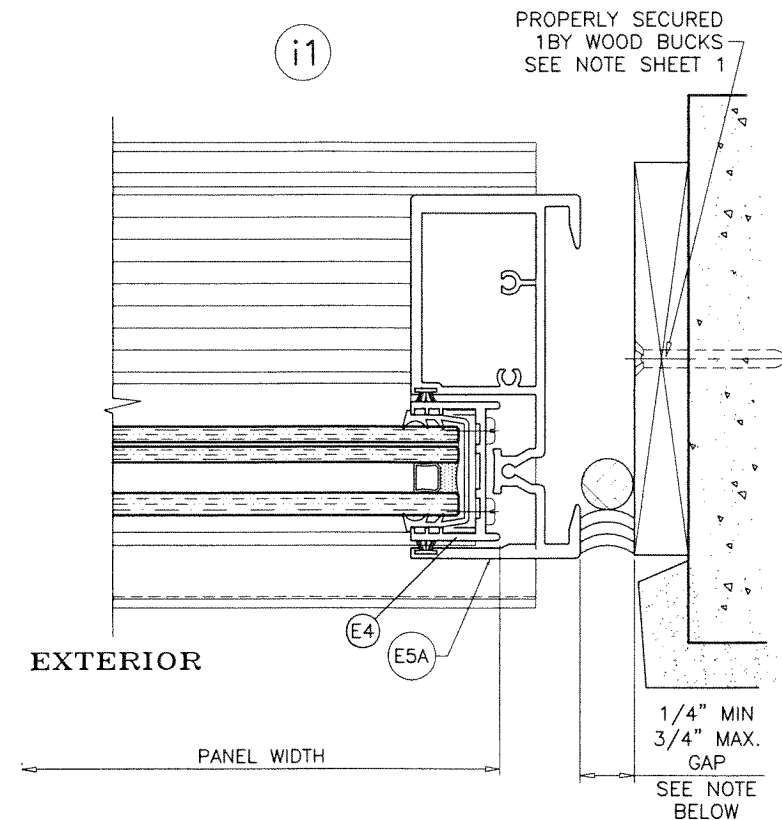
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scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no. **W07-108**  
sheet 10 of 15



**FREE JAMB W/ REINFORCEMENT**

FREE STANDING JAMB DESIGN LOAD CAPACITY - PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	W/O REINF.	WITH REINF.
		EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	84	150.0	150.0
42		150.0	150.0
48		150.0	150.0
54		150.0	150.0
60		150.0	150.0
66		150.0	150.0
36	96	150.0	150.0
42		150.0	150.0
48		150.0	150.0
54		150.0	150.0
60		150.0	150.0
36	102	150.0	150.0
42		150.0	150.0
48		150.0	150.0
54		150.0	150.0
60		150.0	150.0
36	108	150.0	150.0
42		150.0	150.0
48		149.6	150.0
54		135.4	150.0
60		150.0	150.0
36	114	150.0	150.0
42		149.5	150.0
48		132.6	150.0
54		150.0	150.0
60		150.0	150.0
36	119-1/2	150.0	150.0
42		134.9	150.0
48-15/16		117.5	139.8

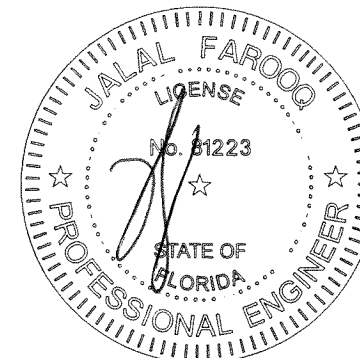


**FREE JAMB W/O REINFORCEMENT**

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	1/4"	3/4"
96"	5/16"	3/4"
114"	3/8"	3/4"
119-1/2"	7/16"	3/4"

NOTE:  
 MAX. MOVEMENT CONSIDERED=100% STRETCH.  
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION  
 MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL  
 MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.  
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.  
 ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY  
 ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.  
 GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY  
 THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

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 Miami-Dade Product Control



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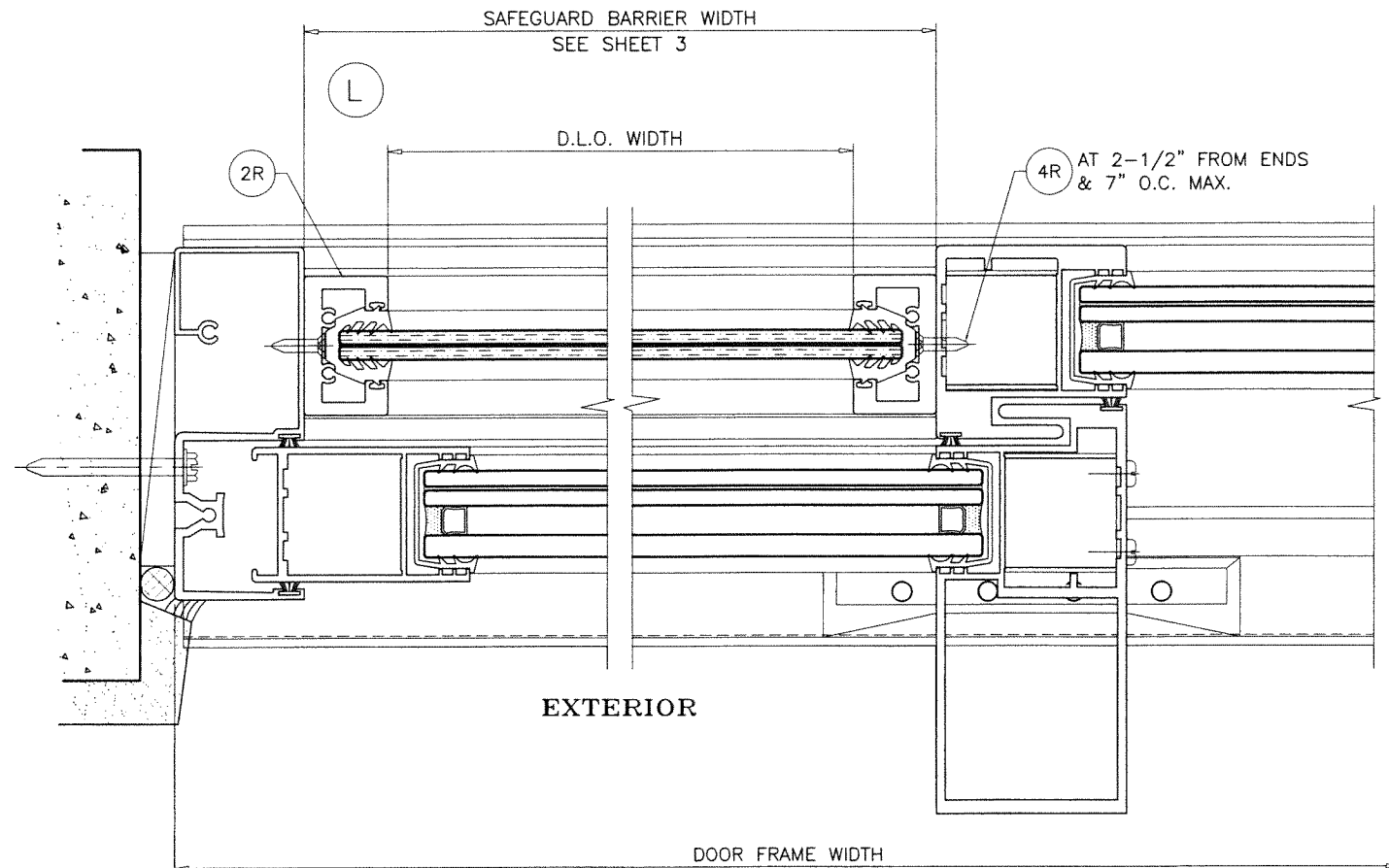
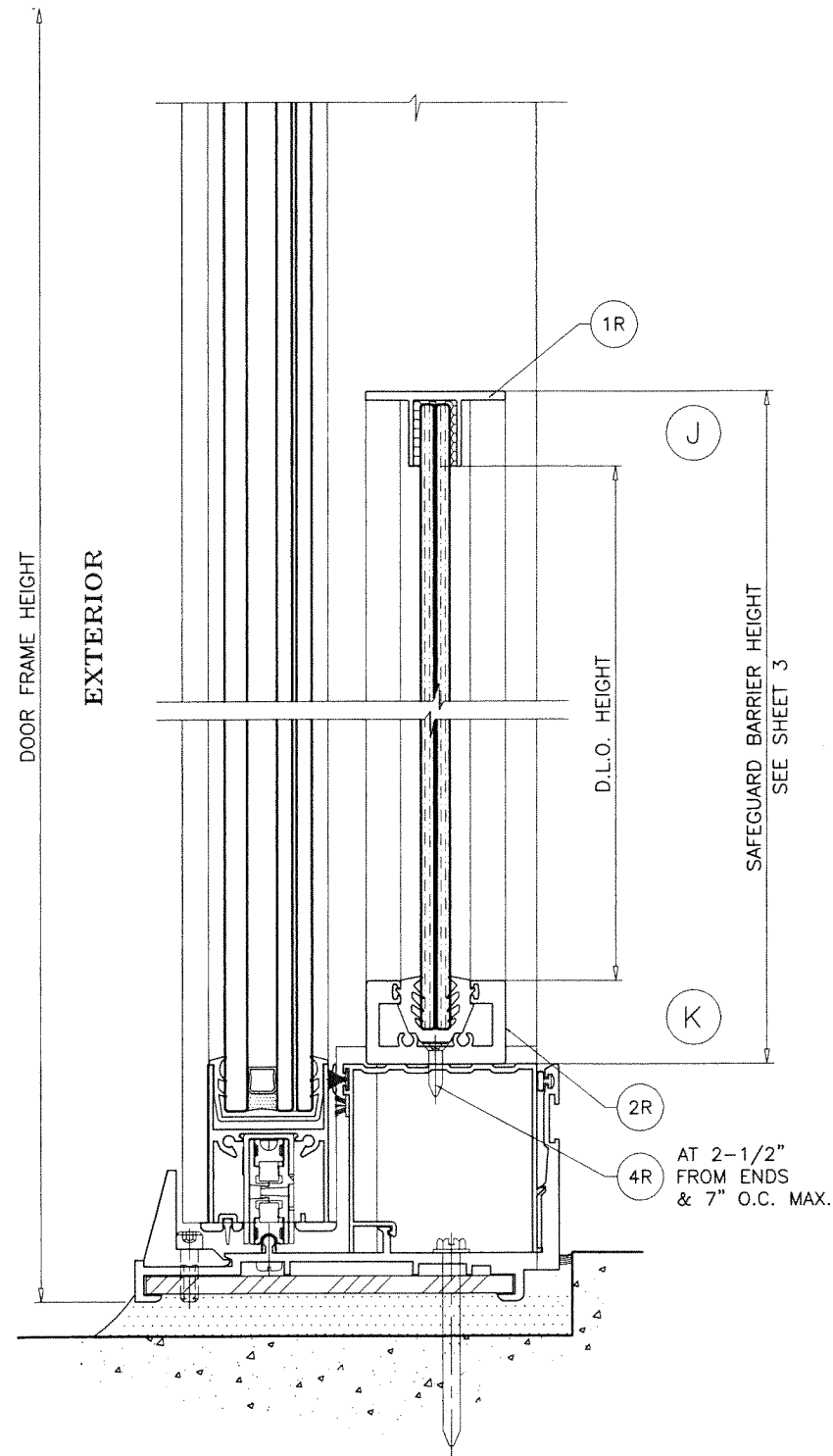
SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
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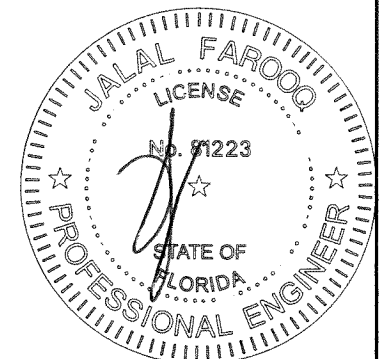
drawing no.  
**W07-108**  
 sheet 11 of 15

SAFEGUARD BARRIER APPLICATION



**PRODUCT REVISED**  
 As complying with the Florida Building Code  
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 Expiration Date: **11/22/2029**  
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SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
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no	date	by	description
G	02.26.25	TARIO	GENERAL REVISION
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date: 02-07-08  
 scale: 3/8" = 1"  
 dr. by: TARIO  
 chk. by:

drawing no.  
**W07-108**  
 sheet 12 of 15

**SLIDING GLASS DOOR**

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	PH3400-001	1/ PANEL	INTERLOCK STILE INSIDE	6005-T5	-
E2	PH3400-002	1	LOCK STILE	6063-T6	-
E4	PH3400-004	1/ FIX. PANEL	JAMB STILE	6063-T6	-
E5	PH3400-005	2	FRAME JAMB (ANCHORED)	6063-T6	-
E5A	PH3400-025	2	FRAME JAMB (FREE STANDING)	6063-T6	-
E5B	PH3400-026	2	FREE STANDING JAMB REINFORCING	6063-T6	-
E6	PH3400-006	1	FRAME HEAD	6005-T5	-
E7	PH3400-007	1	SILL TRACK	6005-T5	-
E8	PH3400-008	1	SILL THRESHOLD (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
E9	PH3400-009	1	HEAD CLOSURE ADAPTOR (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
E10	PH3400-010	1/ MOV. PANEL	MOVING OUTSIDE TOP RAIL	6063-T6	-
E11	PH3400-011	1/ MOV. PANEL	MOVING OUTSIDE BOTTOM RAIL	6005-T5	-
E11A	PH3400-027	1/ MOV. PANEL	ALT. MOVING OUTSIDE BOTTOM RAIL	6063-T6	-
E12	PH3400-012	1/ FIX. PANEL	FIXED INSIDE TOP RAIL	6063-T6	-
E13	PH3400-013	1/ FIX. PANEL	FIXED INSIDE BOTTOM RAIL	6063-T6	-
E13A	PH3400-028	1/ FIX. PANEL	ALT. FIXED INSIDE BOTTOM RAIL	6063-T6	-
E14	2400ST-031	AS REQD.	SILL TRACK PLATE, 5" LONG AT ENDS, 10" LONG AT STILE LOCATIONS	6061-T6	-
E15	2400ST-040	AS REQD.	SCREEN TRACK INSIDE	-	-
E16	2400ST-056	AS REQD.	SCREEN VERTICAL JAMB	-	-
E17	2400ST-057	AS REQD.	SCREEN TOP & BOTTOM RAIL	-	-
E18	PH3400-016	AS REQD.	HEAVY INTERLOCK STILE OUTSIDE	6005-T5	-
E19	PH3400-015	AS REQD.	HEAVY MEETING STILE	6005-T5	-
S1		2/ CORNER	#14 X 1" PH SMS TYPE "B" ST/ST	-	FRAME ASSY SCREWS
S2		2/ CORNER	#10 X 1" PH SMS TYPE "B" ST/ST	-	PANEL ASSY SCREWS
S3		AS REQD.	#10 X 3/4" PH.SMS. ST/ST	-	-
S5		4/ CLIP	1/4-20 X 3/4" LG. SOGKET HEAD CAP SCREW	ST/ST	-
V1	V-019S	1/ MOV. PANEL	DRIP SILL VINYL	SILICONE	DUROMETER 65±5 SHORE A
V2	2400ST-G01 S	AS REQD.	BULB VINYL	SILICONE	DUROMETER 65±5 SHORE A
V3	DM-12-G01 S	AS REQD.	BULB VINYL	SILICONR	DUROMETER 65±5 SHORE A
V4	EMP-777 V-067A S	AS REQD.	MARINE GLAZING FOR LAM/INS. GLASS SMI	EPDM	DUROMETER 70±5 SHORE A
M1	U54	-	Q-LON 375T270 @ INTERLOCK, JAMBS & MTG. STILES	-	-
M2	W31235NK	AS REQD.	PILE WITH PLASTIC FIN W'STRIPPING	POLYPROPYLENE	-
M3	E16-106W/B	AS REQD.	SILICONE BUMPER	-	-
M4	-	AS REQD.	CHANNEL REINF. AT INTERLOCK	STEEL	A36, Fu = MIN. 58 KSI
M5	CCES-1003	-	ROLLER TRACK COVER	ST/ST	-
M6	2400ST-067A	-	SILL ANCHOR TRACK	6005-T5	6" LONG
M7	W73285NK	-	PILE WITH PLASTIC FIN W'STRIPPING @ HEAD ADAPTER & SILL THRESHOLD	POLYPROPYLENE	-
M8	-	AS REQD.	CHANNEL REINF. AT MOVING PANEL BOTTOM RAIL	STEEL	A36, Fu = MIN. 58 KSI
H1	PS01-0036-XXX PS01-1020-XXX	-	2 POINT MORTISE LOCK KIT	ST STEEL	ASSA ABLOY
H2	GT-R34/3-01-HK-A	2/ MOV. PANEL	TANDEM ACETAL WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS, PABOSE

**SEALANTS:**

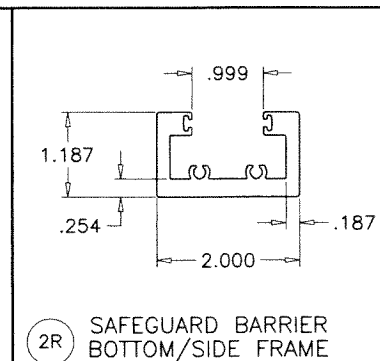
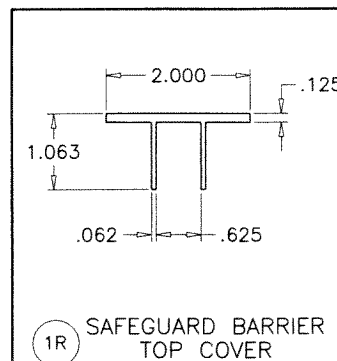
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.

**LOCKS:**

THREE PLY METALLIC HOOK LOCK WITH SURFACE MOUNT METALLIC HANDLE AT 42" FROM BOTTOM.  
LOCK FASTENED WITH (2) #6 X 1/2" FH MACHINE SCREWS AND HANDLE FASTENED WITH (2) #8 X 2-1/4" OH MACHINE SCREWS.  
SURFACE MOUNT METALLIC KEEPERS AT 42" FROM BOTTOM FASTENED WITH (2) #10 X 3/4" PH SMS.

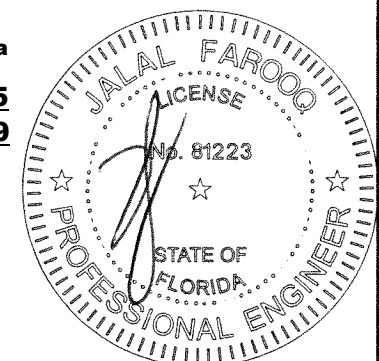
**SAFEGUARD BARRIER**

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1R	ES-RL3525-015	1	TOP COVER	6063-T6	-
2R	ES-RL3525-013	3	BOTTOM/ SIDE FRAME	6063-T6	-
3R	ES-PL3525-G02A	3	GLAZING GASKET	EPDM	DUROMETER 85±5 SHORE A
4R	#12 X 3/4"	AS REQD.	INSTALLATION FASTENERS	ST. STEEL	FH SELF DRILLING



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Miami-Dade Product Control

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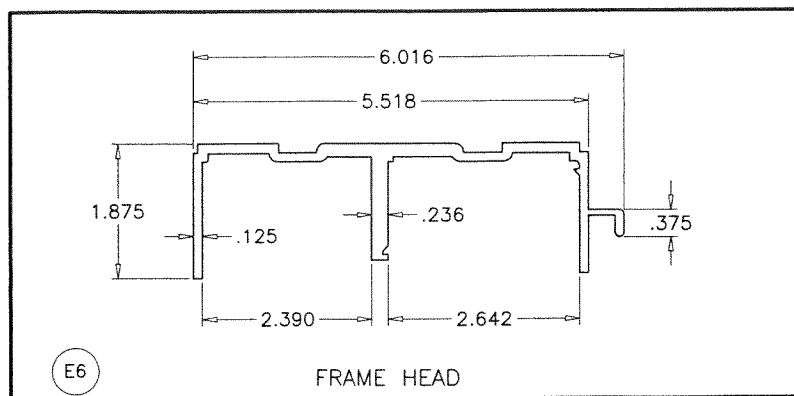


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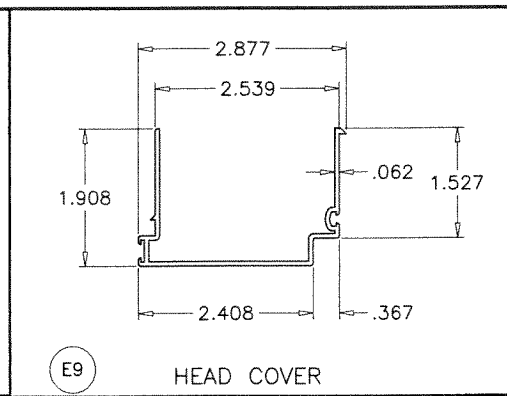
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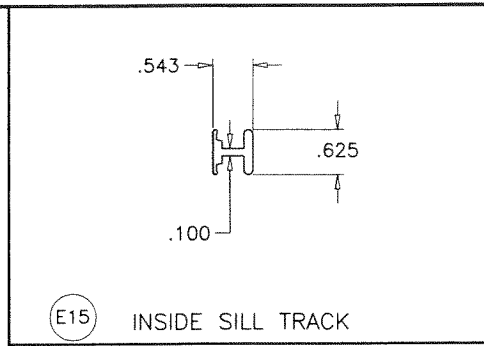
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sheet 13 of 15



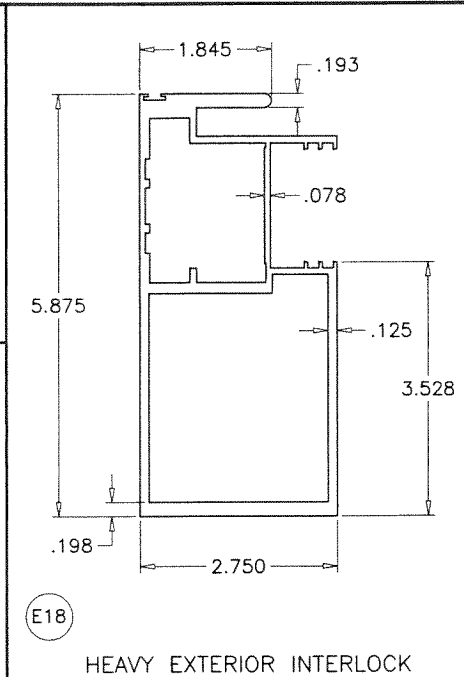
E6 FRAME HEAD



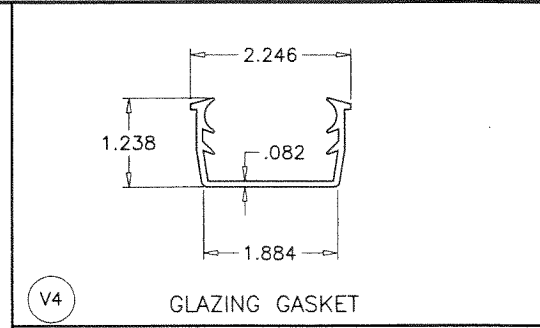
E9 HEAD COVER



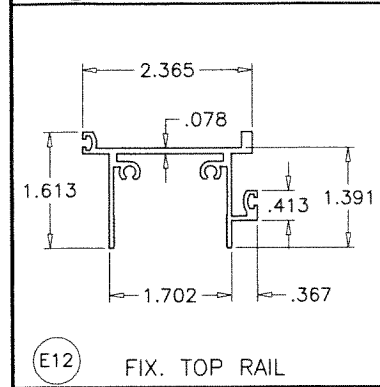
E15 INSIDE SILL TRACK



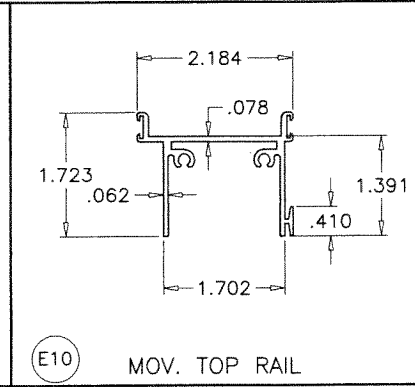
E18 HEAVY EXTERIOR INTERLOCK



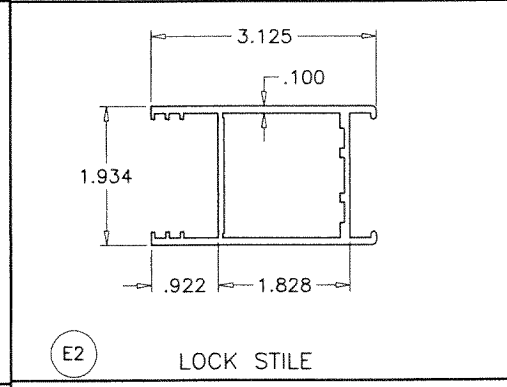
V4 GLAZING GASKET



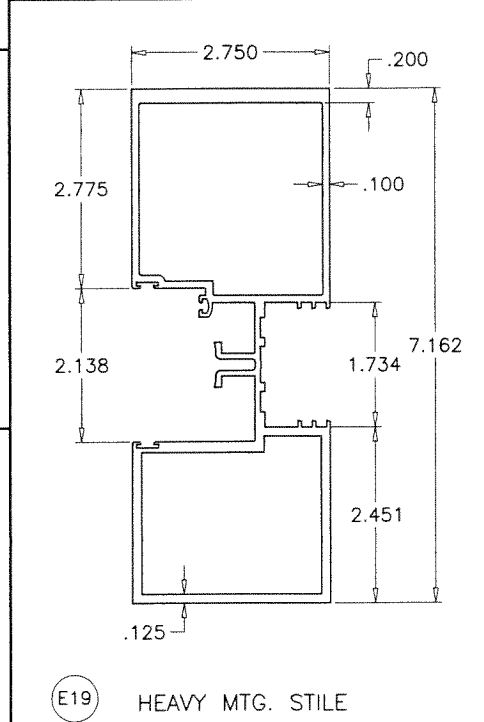
E12 FIX. TOP RAIL



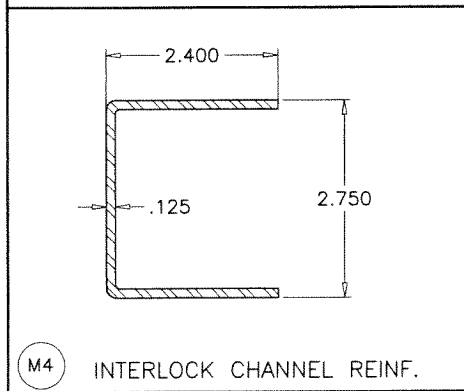
E10 MOV. TOP RAIL



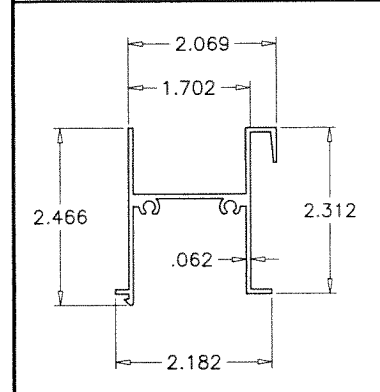
E2 LOCK STILE



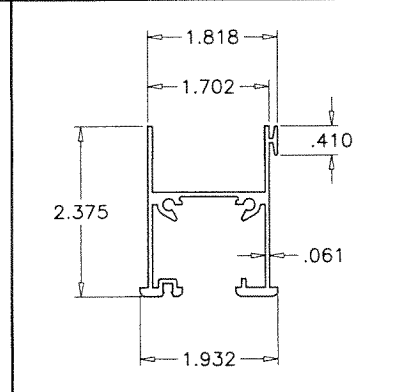
E19 HEAVY MTG. STILE



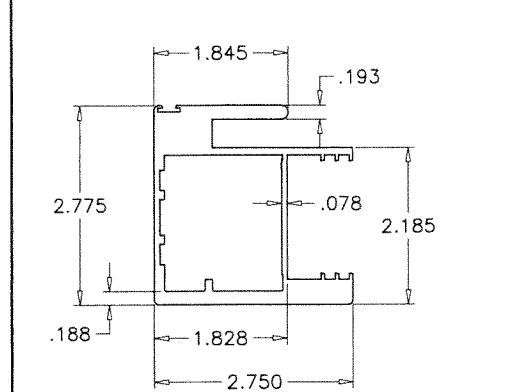
M4 INTERLOCK CHANNEL REINF.



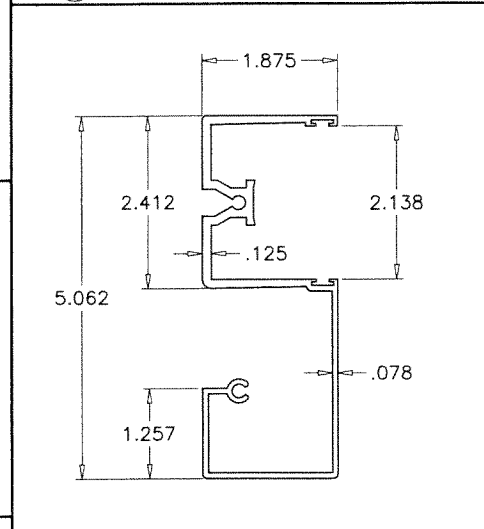
E13 FIX. BOTTOM RAIL



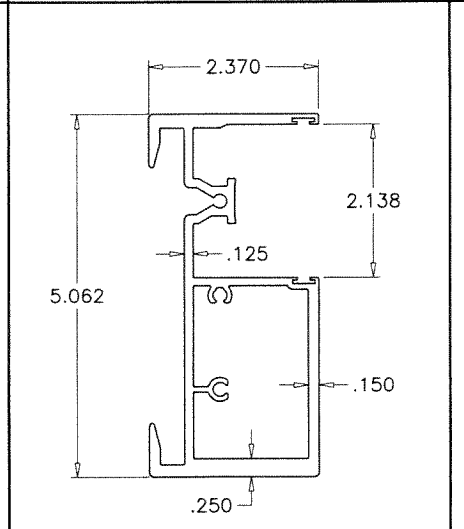
E11 MOVING BOTTOM RAIL



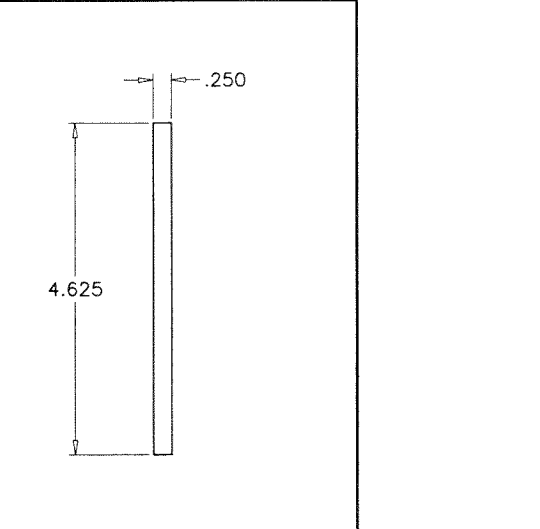
E1 INTERIOR INTERLOCK



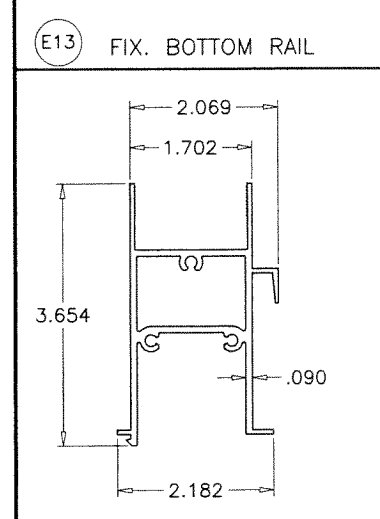
E5 FRAME JAMB (ANCHORED)



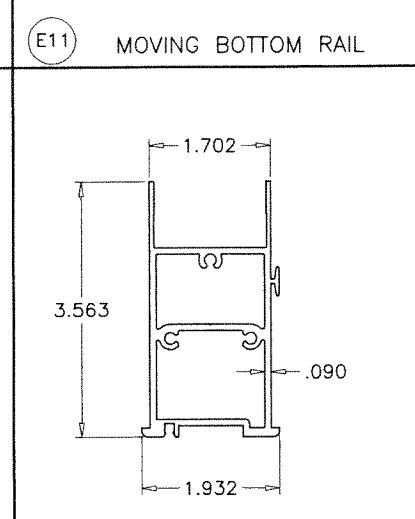
E5A FRAME JAMB (FREE STANDING)



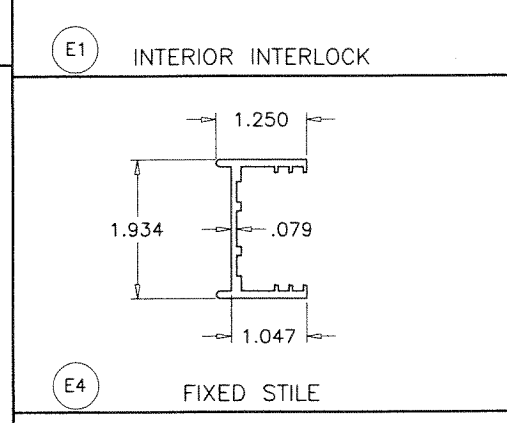
E5B FREE JAMB REINFORCING



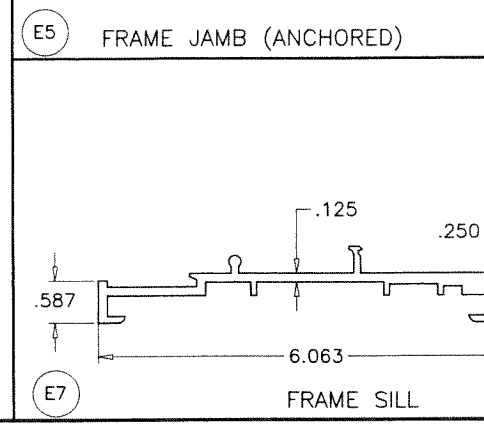
E13A ALT. FIX. BOTTOM RAIL



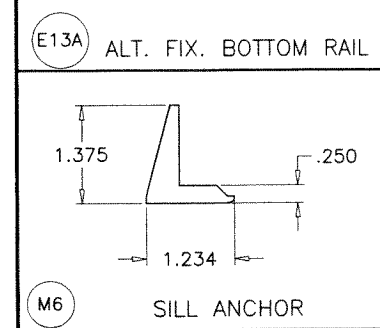
E11A ALT. MOVING BOTTOM RAIL



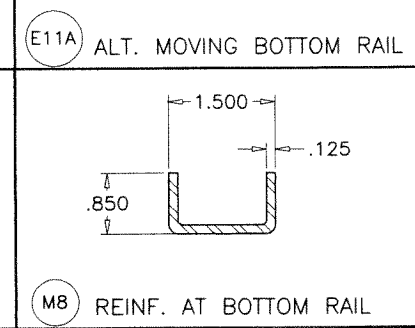
E4 FIXED STILE



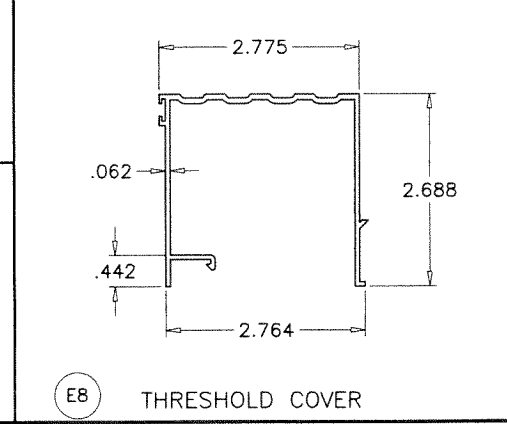
E7 FRAME SILL



M6 SILL ANCHOR



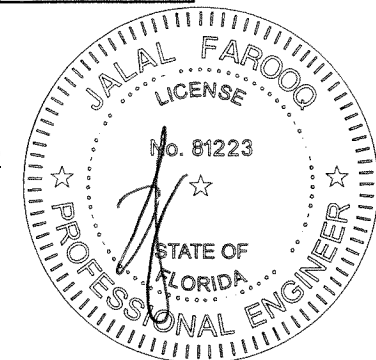
M8 REINF. AT BOTTOM RAIL



E8 THRESHOLD COVER

**PRODUCT REVISED**  
 As complying with the Florida Building Code  
 NOA-No. **25-0404.05**  
 Expiration Date: **11/22/2029**  
 By: *Manuel Torres*  
 Miami-Dade Product Control

MAR 18 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  
 COMP-ANL\W07-108-TGI

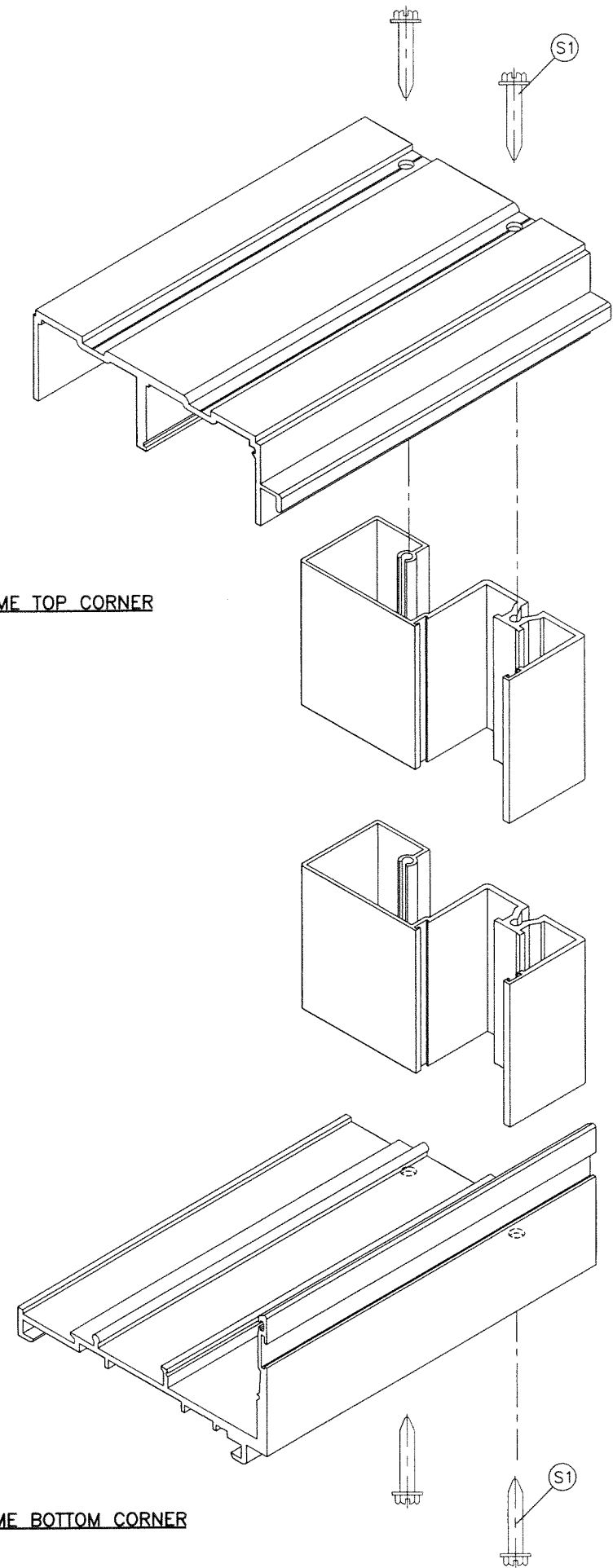
SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)  
**TECNOGLASS, LLC**  
 3550 N.W. 49 STREET  
 MIAMI, FL. 33142  
 TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
E	11.19.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	02.26.25		GENERAL REVISION
H	01.14.26		REV. PER PER COMMENTS

date: 02-07-08  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:

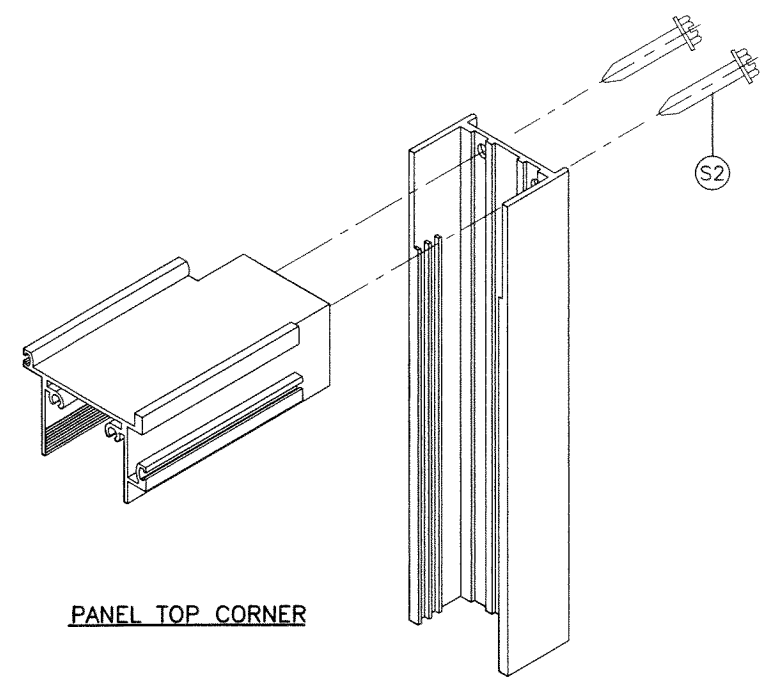
drawing no. **W07-108**  
 sheet 14 of 15

FRAME TOP CORNER

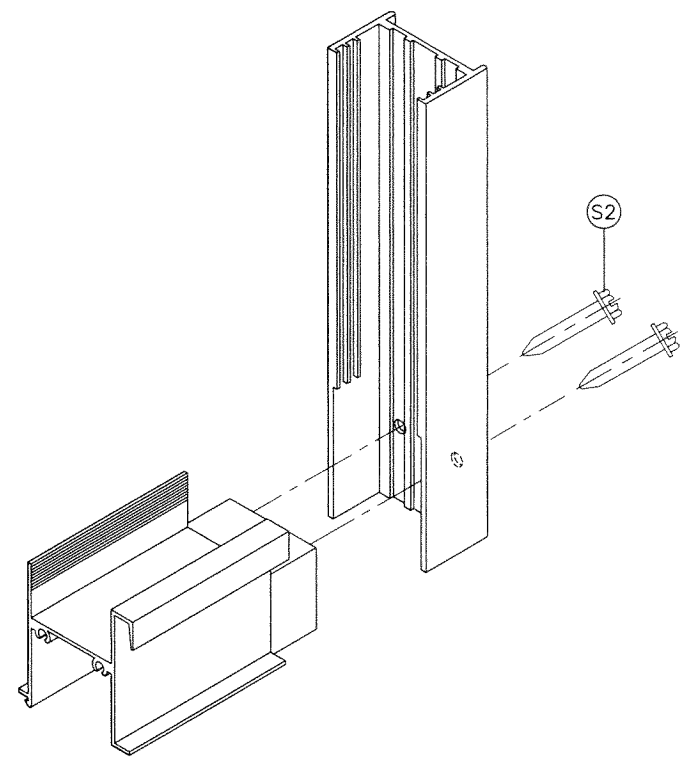


FRAME BOTTOM CORNER

PANEL TOP CORNER

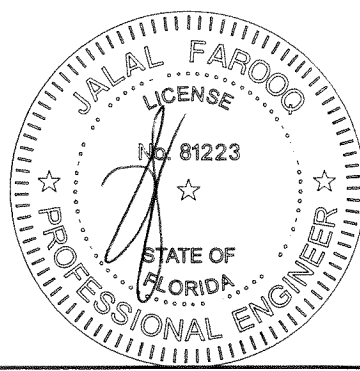


PANEL BOTTOM CORNER



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drawing no.  
**W07-108**  
 sheet 15 of 15