



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, FL 33175
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

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 "PH 3200" Aluminum Sliding Glass Door – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-101 Rev H**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 14 of 14, dated 11/08/07 and last revised on JUL 09, 2025, 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**, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION 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. 23-0901.04** and consists of page 1 and 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 **Ishaq I. Chanda, P. E.**



NOA No. 25-0404.04
Expiration Date: September 06, 2029
Approval Date: August 14, 2025
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. 08-0130.09)*
2. Drawing No **W07-101**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 7 of 7, dated 11/08/07, with the latest revision "A", dated 03/05/09, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Resistance, per FBC, TAS 202-94
5) Small Missile Impact Test, per FBC, TAS 201-94
6) 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-5286**, dated 02/12/09, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under NOA No. 09-0604.18)
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) Forced Entry Resistance, per FBC, TAS 202-94
5) Small Missile Impact Test, per FBC, TAS 201-94
6) 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-5288**, dated 07/23/07 and 08/30/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA-No. 08 - 0130.09)

C. CALCULATIONS

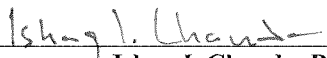
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 03/06/09, signed and sealed by Humayoun Farooq, P. E.
2. Glazing complies with ASTM E1300-02/04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont De Nemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0404.04
Expiration Date: September 06, 2029
Approval Date: August 14, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, dated March 04, 2009, signed and sealed by Humayoun Farooq, P. E.
2. Statement letter of no financial interest, dated March 04, 2009, signed and sealed by Humayoun Farooq, P. E.
3. Laboratory compliance letter for Test Report no. **FTL-5286**, issued by Fenestration Testing Laboratory, Inc., dated February 12, 2009, signed and sealed by Michael R. Wenzel, P. E.
4. Laboratory compliance letter for Test Report no. **FTL-5288**, issued by Fenestration Testing Laboratory, Inc., dated August 30, 2007, signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 08-0130.09)

G. OTHERS

1. Notice of Acceptance No. **08-0130.09**, issued to R. C. Aluminum Industries, Inc. for their Series **"PH 3200" Aluminum Sliding Glass Door – S.M.I.**, approved on 09/25/08 and expiring on 09/25/13.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0404.04

Expiration Date: September 06, 2029

Approval Date: August 14, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 18-0205.06

A. DRAWINGS

1. Drawing No. **W07-101**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 9 of 9, dated 11/08/07, with revision "**D**" dated 03/16/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2004**, prepared by Al-Farooq Corporation, dated 03/14/2018, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04/ 09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

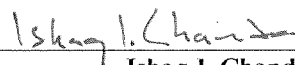
1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Interlayer**" expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 6th Edition (2014)**, and of no financial interest, dated 12/22/17, signed and sealed by Javad Ahmad, P. E.
2. Asset "Purchase Agreement" dated 11/19/2013, 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.
3. "Bill of Sale" dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.
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. **09-0604.18**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.
5. Distributor Agreement between, E.S. `Windows-Energia Solar S.A., Barranquilla, Colombia and Tecnoglass LLC, Miami, Florida, U.S.A., dated 02/07/17, signed by Carla Garcia and by Evelyn Daes, respectively.

G. OTHERS

1. Notice of Acceptance No. **09-0604.18**, issued to R. C. Aluminum Industries, Inc. for their Series "**PH3200**" **Aluminum Sliding Glass Door-S.M.I.**", approved on 08/12/09 and expiring on 09/25/13.
2. Verification Test will be required for next product approval renewal/revision.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0404.04
Expiration Date: September 06, 2029
Approval Date: August 14, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **W07-101**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 9 of 9, dated 11/08/07, with the latest revision "**F**", dated 08/03/2023, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Interlayer**" dated 08/31/23, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 7th Edition (2020)** and **FBC 8th Edition (2023)**, and of no financial interest, dated 08/03/2023, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E.
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.
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.

G. OTHERS

1. Notice of Acceptance No. **20-1216.06**, issued to Tecnoglass, LLC for their Series "**PH3200**" **Aluminum Sliding Glass Door – L.M.I.**", approved on 04/01/2021 and expiring on 09/06/23.
2. This is a one-year approval, subjected to a successful verification test, the final approval will be issued for a total of 5 years.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0404.04
Expiration Date: September 06, 2029
Approval Date: August 14, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W07-101 Rev H**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 14 of 14, dated 11/08/07 and last revised on JUL 09, 2025, 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) Forced Entry Resistance, per FBC, TAS 202-94
5) Small Missile Impact Test, per FBC, TAS 201-94
6) 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 Black Water Technical Service, Inc., Test Report No. **BT-ESW-23-051**, dated 10/23/23, 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) Forced Entry Resistance, per FBC, TAS 202-94
5) Small Missile Impact Test, per FBC, TAS 201-94
6) 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 Black Water Technical Service, Inc., Test Report No. **BT-ESW-23-007**, dated 06/26/24, signed and sealed by Michael D. Caldwell, P.E.

Note: This test report had an addendum letter dated FEB 19, 2025, issued by Blackwater Technical SVC, signed and sealed by Michael D. Caldwell, P.E.

C. CALCULATIONS

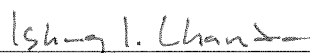
1. Anchor verification calculations and structural analysis, complying with FBC-2023, (8th edition) prepared by Al-Farooq Corporation, dated 03/24-26/2025, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with ASTM E1300-04/ 09.

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) Interlayer" dated 08/31/23, expiring on 07/04/28.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0404.04
Expiration Date: September 06, 2029
Approval Date: August 14, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED (continue)

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 8th Edition (2023)**, dated March 24, 2024, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E.
2. Distributor Agreement (w/ Appendix C & D) between, Energia Solar S.A., Barranquilla, Colombia and Tecnoglass LLC, Miami, Florida, U.S.A., dated 05/21/25, signed by Andrea Zambrano, Gen. Counsel and by Evelyn Daes, Gen. Manager, respectively.
3. Statement letter dated January 07, 2025, issued by E.S. Window, LLC authorizing test reports #BT-ESW-23-051 to be used with Tecnoglass, LLC, submitted under file #25-0404.04, signed by Evelyn Daes, ES Windows.
4. Statement letter dated March 10, 2025, issued by E.S. Window, LLC authorizing test reports #BT-ESW-23-007 to be used with Tecnoglass, LLC, submitted under file #25-0404.04, signed by Evelyn Daes, ES Windows.

G. OTHERS

1. This NOA **revises** and **renews** **NOA No. 23-0901.04**, expiring 09/06/2029.
2. Test proposal **#23-1528**, dated DEC 26, 2023, issued by RER, PC section.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0404.04

Expiration Date: September 06, 2029

Approval Date: August 14, 2025

**SERIES PH3200
ALUMINUM SLIDING GLASS DOOR (S.M.I.)**

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 4.

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.

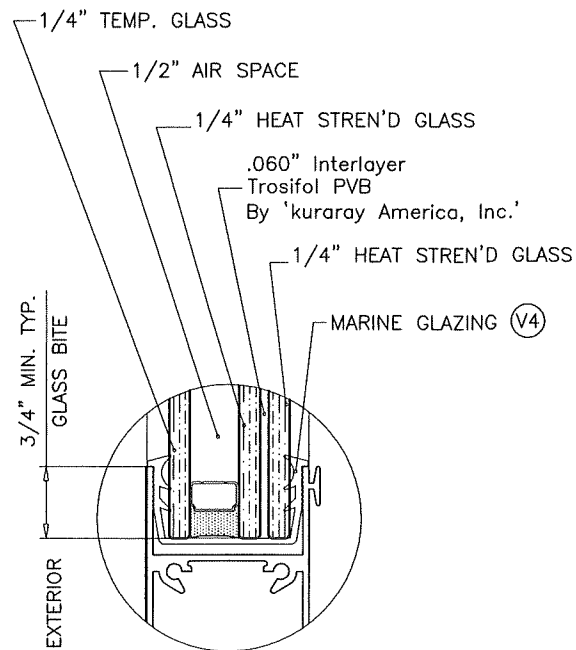
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

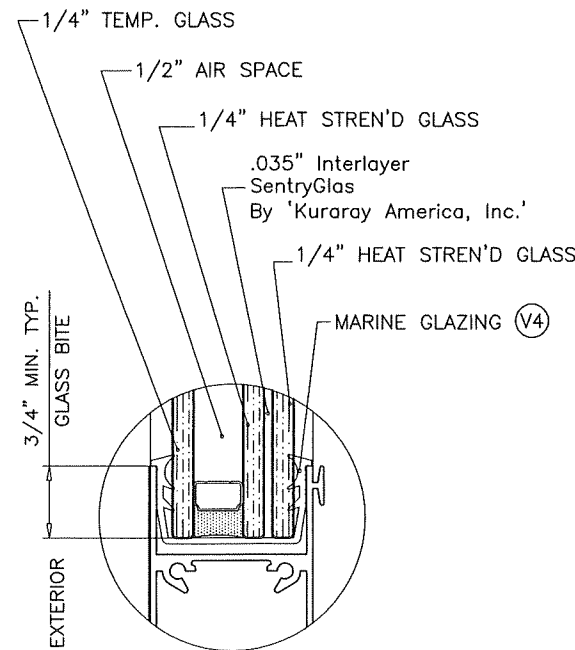
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

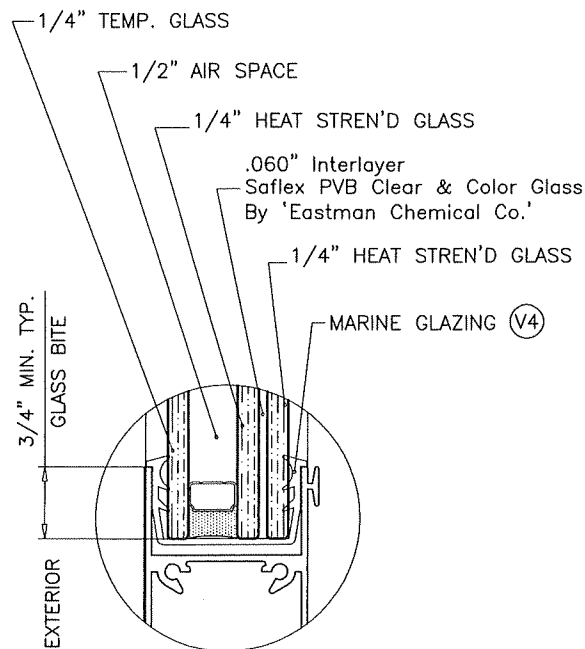
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



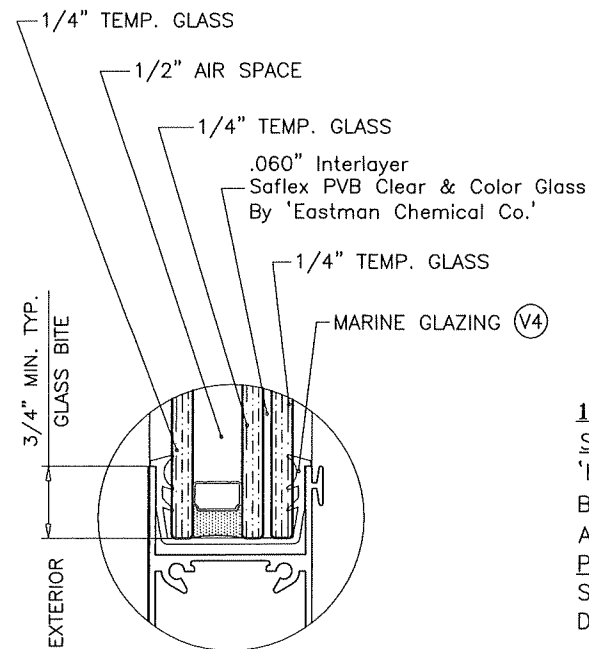
GLASS TYPE 'A'



GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'

GLAZING OPTIONS

1-1/4" OVERALL INSUL. LAMINATED GLASS

1/2" AIR SPACE CONSISTING OF:

SPACER:

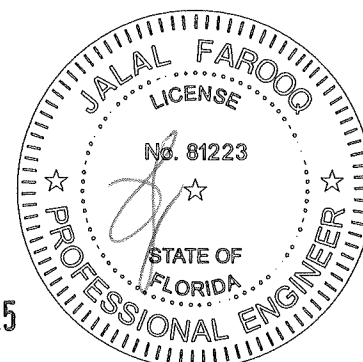
'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:

SILICONE
DOWSIL 983

**LAMINATED INSULATING GLASS
SMALL MISSILE IMPACT**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **25-0404-04**
Expiration Date **09/06/2029**
By **(Signature)**
Miami Dade Product Control



JUL 09 2025

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.

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\W07-101RC

SERIES PH3200 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	11.20.20		UPDATED TO 2020 FBC
F	08.03.23		UPDATED TO 2023 FBC
G	07.19.24		GENERAL REVISION
H	05.21.25		REV. PER RER COMMENTS

date: 11-08-07
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W07-101
sheet 1 of 14

drawing no.
W07-101
sheet 2 of 14

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
E1	PH3400-001	1/ PANEL	INTERLOCK STILE INSIDE	6005-T5	-
E2	PH3400-002	1	LOCK STILE	6063-T6	-
E3	PH3400-003	1	MEETING STILE	6005-T5	-
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	6063-T6	-
E9	PH3400-009	1	HEAD CLOSURE ADAPTOR	6063-T6	-
E10	PH3400-010	1/ MOV. PANEL	MOVING OUTSIDE TOP RAIL	6063-T6	-
E11	PH3400-024	1/ MOV. PANEL	MOVING OUTSIDE BOTTOM RAIL	6005-T5	-
E12	PH3400-012	1/ FIX. PANEL	FIXED INSIDE TOP RAIL	6063-T6	-
E13	PH3400-013	1/ FIX. PANEL	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	-	-
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-019 S	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	SILICONE	DUROMETER 60±5 SHORE A
V4	V-067A S	AS REQD.	MARINE GLAZING FOR LAM/INS. GLASS SMI	SILICONE	DUROMETER 75±5 SHORE A
M1	W73285NK	-	PILE WITH PLASTIC FIN W'STRIPPING	-	-
M2	W21225NK	AS REQD.	PILE WITH PLASTIC FIN W'STRIPPING	-	-
M3	P-047	AS REQD.	PANEL BUMPER	SILICONE	-
M6	2400ST-067A PS01-5001-XXX	-	SILL ANCHOR TRACK	6005-T5	6" LONG
H1	PS01-0036-XXX PS01-1020-XXX	-	2 POINT MORTISE LOCK KIT	ST STEEL	INTERLOCK, ASSA ABLOY
H2	GT-R34/3-01-HK-A	2/ MOV. PANEL	TANDEM ACETAL WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
H2A	GTT-26/15-02-HK-A	-	ACETAL ROLLERS	-	PABOSA

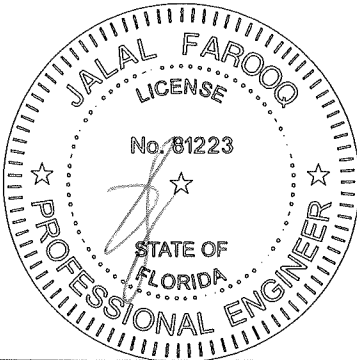
SEALANTS:

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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 2F-0404-04
Expiration Date 9/6/29
By Ishag J. Chene
Miami Data Product Control



JUL 09 2025



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. 3588)

SERIES PH3200 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	by	description
	E	11.20.20		UPDATED TO 2020 FBC
	F	08.03.23		NO CHANGE THIS SHEET
	G	07.19.24		GENERAL REVISION
	H	05.21.25		REV. PER PER COMMENTS

date:	11-08-07
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.	W07-101
sheet	3 of 14

COMP-ANL\W07-101RC

DESIGN LOAD CAPACITY - PSF							
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
		EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
36	84	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		96.0	96.0	115.0	115.0	120.0	140.0
66		87.3	87.3	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	90	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		96.0	96.0	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	96	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	102	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	108	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	112	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	114	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7
36	119-1/2	120.0	120.0	115.0	115.0	120.0	140.0
42		120.0	120.0	115.0	115.0	120.0	140.0
48		120.0	120.0	115.0	115.0	120.0	140.0
54		106.7	106.7	115.0	115.0	120.0	140.0
60		—	—	115.0	115.0	120.0	140.0
66		—	—	104.5	104.5	109.1	127.3
72		—	—	95.8	95.8	100.0	116.7

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

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

SEE CHART ON SHEETS 5 & 7 FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEETS 6 & 8 FOR SILL ANCHOR CAPACITY.

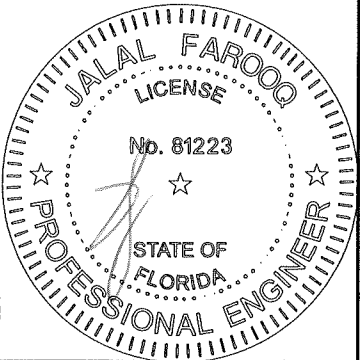
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART OR HEAD/SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

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

MAX. OVERALL DOOR WIDTHS TO BE LIMITED TO TESTED 241-1/8 IN.
WHICH TO BE USED WITH SINGLE NOM. PANEL WIDTH PER CHART ABOVE.

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

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 25-0404-04
Expiration Date 9/6/29
by Ishag I. Ghannam
Aluminum Door Product, Inc.



JUL 09 2025

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\W07-101RC

SERIES PH3200 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	11.20.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	07.19.24		GENERAL REVISION
H	05.21.25		REV. PER PER COMMENTS

date: 11-08-07

scale: —

dr. by: TARIQ

chk. by:

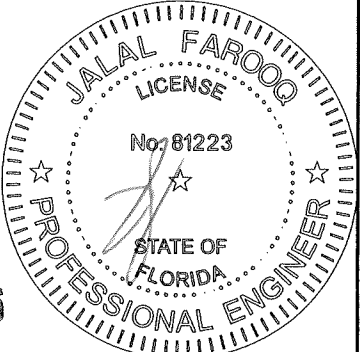
drawing no.

W07-101

sheet 4 of 14

DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)																	
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	1/2" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE			1/4" MAX. SHIM SPACE									
		ANCHORS 'A' & 'B'			ANCHORS 'C'			ANCHORS 'A'			ANCHORS 'B'			ANCHORS 'C'			
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 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	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	10 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. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	82	116.1	140.0	140.0	109.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		99.5	132.7	140.0	93.5	124.6	140.0	121.4	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		87.1	116.1	140.0	81.8	109.1	136.3	106.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		77.4	103.2	129.0	72.7	96.9	121.2	94.4	125.9	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
60		69.7	92.9	116.1	65.4	87.2	109.1	85.0	113.3	140.0	128.9	140.0	140.0	137.3	140.0	140.0	140.0
66		63.3	84.5	105.6	59.5	79.3	99.1	77.3	103.0	128.8	117.2	140.0	140.0	124.8	140.0	140.0	140.0
72		58.1	77.4	96.8	54.5	72.7	90.9	70.8	94.4	118.0	107.4	140.0	140.0	114.4	140.0	140.0	140.0
36	84	113.4	140.0	140.0	106.5	140.0	140.0	138.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		97.2	129.6	140.0	91.2	121.7	140.0	118.5	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		85.0	113.4	140.0	79.8	106.5	133.1	103.7	138.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		75.6	100.8	126.0	71.0	94.6	118.3	92.2	122.9	140.0	139.8	140.0	140.0	140.0	140.0	140.0	140.0
60		68.0	90.7	113.4	63.9	85.2	106.5	83.0	110.6	138.3	125.8	140.0	140.0	134.1	140.0	140.0	140.0
66		61.8	82.5	103.1	58.1	77.4	96.8	75.4	100.6	125.7	114.4	140.0	140.0	121.9	140.0	140.0	140.0
72		56.7	75.6	94.5	53.2	71.0	88.7	69.1	92.2	115.2	104.9	139.8	140.0	111.7	140.0	140.0	140.0
36	90	105.8	140.0	140.0	99.4	132.5	140.0	129.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		90.7	120.9	140.0	85.2	113.6	140.0	110.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		79.4	105.8	132.3	74.5	99.4	124.2	96.8	129.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		70.5	94.1	117.6	66.2	88.3	110.4	86.0	114.7	140.0	130.5	140.0	140.0	139.0	140.0	140.0	140.0
60		63.5	84.7	105.8	59.6	79.5	99.4	77.4	103.3	129.1	117.4	140.0	140.0	125.1	140.0	140.0	140.0
66		57.7	77.0	96.2	54.2	72.3	90.3	70.4	93.9	117.3	106.8	140.0	140.0	113.7	140.0	140.0	140.0
72		52.9	70.5	88.2	49.7	66.2	82.8	64.5	86.0	107.6	97.9	130.5	140.0	104.3	139.0	140.0	140.0
36	96	99.2	132.3	140.0	93.2	124.2	140.0	121.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		85.0	113.4	140.0	79.8	106.5	133.1	103.7	138.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		74.4	99.2	124.0	69.9	93.2	116.4	90.8	121.0	140.0	137.6	140.0	140.0	140.0	140.0	140.0	140.0
54		66.1	88.2	110.2	62.1	82.8	103.5	80.7	107.6	134.4	122.3	140.0	140.0	130.3	140.0	140.0	140.0
60		59.5	79.4	99.2	55.9	74.5	93.2	72.6	96.8	121.0	110.1	140.0	140.0	117.3	140.0	140.0	140.0
66		54.1	72.1	90.2	50.8	67.7	84.7	66.0	88.0	110.0	100.1	133.5	140.0	106.6	140.0	140.0	140.0
72		49.7	66.2	82.8	46.4	62.9	79.5	62.1	82.8	103.5	97.9	129.1	140.0	97.9	130.5	140.0	140.0
36	102	93.4	124.5	140.0	87.7	116.9	140.0	113.9	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		80.0	106.7	133.4	75.1	100.2	125.2	97.6	130.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		70.0	93.4	116.7	65.8	87.7	109.6	85.4	113.9	140.0	129.5	140.0	140.0	138.0	140.0	140.0	140.0
54		62.2	83.0	103.7	58.4	77.9	97.4	75.9	101.2	126.5	115.1	140.0	140.0	122.7	140.0	140.0	140.0
60		56.0	74.7	93.4	52.6	70.1	87.7	68.3	91.1	113.9	103.6	138.2	140.0	110.4	140.0	140.0	140.0
36	108	88.2	117.6	140.0	82.8	110.4	138.0	107.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		75.6	100.8	126.0	71.0	94.6	118.3	92.2	122.9	140.0	139.8	140.0	140.0	140.0	140.0	140.0	140.0
48		66.1	88.2	110.2	62.1	82.8	103.5	80.7	107.6	134.4	122.3	140.0	140.0	130.3	140.0	140.0	140.0
54		58.8	78.4	98.0	55.2	73.6	92.0	71.7	95.6	119.5	108.7	140.0	140.0	115.9	140.0	140.0	140.0
60		52.9	70.5	88.2	49.7	66.2	82.8	64.5	86.0	107.6	97.9	130.5	140.0	104.3	139.0	140.0	140.0
36	112	85.0	113.4	140.0	79.8	106.5	133.1	103.7	138.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		72.9	97.2	121.5	68.4	91.2	114.1	88.9	118.5	140.0	134.8	140.0	140.0	140.0	140.0	140.0	140.0
48		63.8	85.0	106.3	59.9	79.8	99.8	77.8	103.7	129.6	118.0	140.0	140.0	125.7	140.0	140.0	140.0
54		56.7	75.6	94.5	53.2	71.0	88.7	69.1	92.2	115.2	104.9	139.8	140.0	111.7	140.0	140.0	140.0
60		51.0	68.0	85.0	47.9	63.9	79.8	62.2	83.0	103.7	94.4	125.8	140.0	100.5	134.1	140.0	140.0
36	114	83.5	111.4	120.0	78.4	104.6	120.0	101.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42		71.6	95.5	119.3	67.2	89.6	112.1	87.3	116.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48		62.7	83.5	104.4	58.8	78.4	98.1	76.4	101.9	120.0	115.9	120.0	120.0	120.0	120.0	120.0	120.0
36	119–1/2	79.7	106.3	120.0	74.8	99.8	120.0	97.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42		68.3	91.1	113.8	64.1	85.5	106.9	83.3	111.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48		59.8	79.7	99.6	56.1	74.8	93.5	72.9	97.2	120.0	110.6	120.0	120.0	117.8	120.0	120.0	120.0

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404.04
Expiration Date 9/16/29
by Ishag I. Chouk
Miami Date Product Control



JUL 09 2025

SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF
DESIRED GLASS SIZE.
SEE CHART ON THIS SHEET FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 6 FOR SILL ANCHOR CAPACITY.
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART
OR HEAD/SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

af
C

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

SERIES PH3200 ALUM SLIDING GLASS DOOR (S.M.I.)

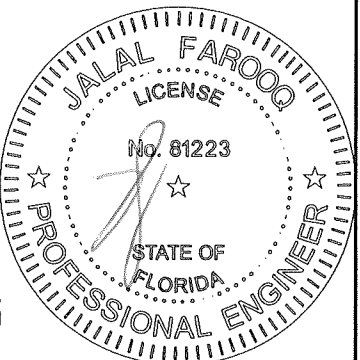
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

Revisions:	
no	by description
1	07.19.24
2	05.21.25
GENERAL REVISION	
REV. PER PER COMMENTS	
date: 11-08-07	
scale: -	
dr. by: TARIQ	
chk. by:	
drawing no.	
W07-101	
sheet 5 of 14	

COMP-ANL\W07-101RC

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	1/2" MAX. SHIM SPACE						3/8" MAX. SHIM SPACE			1/4" MAX. SHIM		
		ANCHORS 'BB'			ANCHORS 'CC'			ANCHORS 'BB' & 'CC'			ANCHORS 'CC'		
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	82	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	127.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		130.1	140.0	140.0	113.1	140.0	140.0	133.0	140.0	140.0	140.0	140.0	140.0
60		117.1	140.0	140.0	101.8	135.8	140.0	119.7	140.0	140.0	140.0	140.0	140.0
66		106.5	140.0	140.0	92.6	123.4	140.0	108.8	140.0	140.0	140.0	140.0	140.0
72		97.6	130.1	140.0	84.8	113.1	140.0	99.7	133.0	140.0	140.0	140.0	140.0
36	84	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	124.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
54		127.0	140.0	140.0	110.4	140.0	140.0	129.8	140.0	140.0	140.0	140.0	140.0
60		114.3	140.0	140.0	99.4	132.5	140.0	116.8	140.0	140.0	140.0	140.0	140.0
66		103.9	138.6	140.0	90.4	120.5	140.0	106.2	140.0	140.0	140.0	140.0	140.0
72		95.3	127.0	140.0	82.8	110.4	138.0	97.4	129.8	140.0	140.0	140.0	140.0
36	90	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	132.5	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		133.4	140.0	140.0	116.0	140.0	140.0	136.3	140.0	140.0	140.0	140.0	140.0
54		118.5	140.0	140.0	103.1	137.4	140.0	121.2	140.0	140.0	140.0	140.0	140.0
60		106.7	140.0	140.0	92.8	123.7	140.0	109.1	140.0	140.0	140.0	140.0	140.0
66		97.0	129.3	140.0	84.3	112.4	140.0	99.1	132.2	140.0	140.0	140.0	140.0
72		88.9	118.5	140.0	77.3	103.1	128.8	90.9	121.2	140.0	133.1	140.0	140.0
36	96	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	124.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48		125.0	140.0	140.0	108.7	140.0	140.0	127.8	140.0	140.0	140.0	140.0	140.0
54		111.1	140.0	140.0	96.6	128.8	140.0	113.6	140.0	140.0	140.0	140.0	140.0
60		100.0	133.4	140.0	87.0	116.0	140.0	102.2	136.3	140.0	140.0	140.0	140.0
66		90.9	121.2	140.0	79.1	105.4	131.8	92.9	123.9	140.0	136.1	140.0	140.0
36	102	140.0	140.0	140.0	136.4	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		134.5	140.0	140.0	116.9	140.0	140.0	137.5	140.0	140.0	140.0	140.0	140.0
48		117.7	140.0	140.0	102.3	136.4	140.0	120.3	140.0	140.0	140.0	140.0	140.0
54		104.6	139.5	140.0	90.9	121.3	140.0	106.9	140.0	140.0	140.0	140.0	140.0
60		94.1	125.5	140.0	81.9	109.1	136.4	96.2	128.3	140.0	140.0	140.0	140.0
36	108	140.0	140.0	140.0	128.8	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		127.0	140.0	140.0	110.4	140.0	140.0	129.8	140.0	140.0	140.0	140.0	140.0
48		111.1	140.0	140.0	96.6	128.8	140.0	113.6	140.0	140.0	140.0	140.0	140.0
54		98.8	131.7	140.0	85.9	114.5	140.0	101.0	134.6	140.0	140.0	140.0	140.0
60		88.9	118.5	140.0	77.3	103.1	128.8	90.9	121.2	140.0	133.1	140.0	140.0
36	112	140.0	140.0	140.0	124.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42		122.5	140.0	140.0	106.5	140.0	140.0	125.2	140.0	140.0	140.0	140.0	140.0
48		107.2	140.0	140.0	93.2	124.2	140.0	109.5	140.0	140.0	140.0	140.0	140.0
54		95.3	127.0	140.0	82.8	110.4	138.0	97.4	129.8	140.0	140.0	140.0	140.0
60		85.7	114.3	140.0	74.5	99.4	124.2	87.6	116.8	140.0	128.3	140.0	140.0
36	114	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	104.6	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48		105.3	120.0	120.0	91.5	120.0	120.0	107.6	120.0	120.0	120.0	120.0	120.0
36	119-1/2	120.0	120.0	120.0	116.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42		114.8	120.0	120.0	99.8	120.0	120.0	117.3	120.0	120.0	120.0	120.0	120.0
48		100.4	120.0	120.0	87.3	116.4	120.0	102.7	120.0	120.0	120.0	120.0	120.0

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404.04
Expiration Date 9/6/29
By: Ishag L. Ibans
Initial Date/Product Control



SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF
DESIRED GLASS SIZE.
SEE CHART ON THIS SHEET FOR HEAD ANCHOR CAPACITY.
SEE CHART ON SHEET 8 FOR SILL ANCHOR CAPACITY.
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART
OR HEAD/SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

JUL 09 2025

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\W07-101RC

SERIES PH3200 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	by	description
G	07.19.24		GENERAL REVISION
H	05.21.25		REV. PER PER COMMENTS

date: 11-08-07

scale: -

dr. by: TARIQ

chk. by:

drawing no.

W07-101

sheet 7 of 14

DESIGN LOAD CAPACITY - PSF SILL ANCHORS (TYPE BB)				
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	82	140.0	140.0	140.0
42		140.0	140.0	140.0
48		140.0	140.0	140.0
54		133.0	140.0	140.0
60		119.7	140.0	140.0
66		108.8	140.0	140.0
72		99.7	133.0	140.0
36	84	140.0	140.0	140.0
42		140.0	140.0	140.0
48		140.0	140.0	140.0
54		129.8	140.0	140.0
60		116.8	140.0	140.0
66		106.2	140.0	140.0
72		97.4	129.8	140.0
36	90	140.0	140.0	140.0
42		140.0	140.0	140.0
48		136.3	140.0	140.0
54		121.2	140.0	140.0
60		109.1	140.0	140.0
66		99.1	132.2	140.0
72		90.9	121.2	140.0
36	96	140.0	140.0	140.0
42		140.0	140.0	140.0
48		127.8	140.0	140.0
54		113.6	140.0	140.0
60		102.2	136.3	140.0
66		92.9	123.9	140.0
36	102	140.0	140.0	140.0
42		137.5	140.0	140.0
48		120.3	140.0	140.0
54		106.9	140.0	140.0
60		96.2	128.3	140.0
36	108	140.0	140.0	140.0
42		129.8	140.0	140.0
48		113.6	140.0	140.0
54		101.0	134.6	140.0
60		90.9	121.2	140.0
36	112	140.0	140.0	140.0
42		125.2	140.0	140.0
48		109.5	140.0	140.0
54		97.4	129.8	140.0
60		87.6	116.8	140.0
36	114	120.0	120.0	120.0
42		120.0	120.0	120.0
48		107.6	120.0	120.0
36	119-1/2	120.0	120.0	120.0
42		117.3	120.0	120.0
48		102.7	120.0	120.0

SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

SEE CHART ON THIS SHEET FOR SILL ANCHOR CAPACITY.

SEE CHART ON SHEET 7 FOR HEAD ANCHOR CAPACITY.

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

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 'BB'—	5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT
TYPE 'CC'—	5/16" 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)
— AT SILL —	
TYPE 'BB'—	5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT
— AT JAMBS —	
TYPE 'AA'—	5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI) INTO WOOD STRUCTURES 1-7/8" MIN. PENETRATION INTO WOOD THRU 1BY BUCKS INTO CONCRETE OR GROUT-FILLED BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE OR GROUT-FILLED BLOCKS
TYPE 'BB'—	5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONCRETE OR BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE 1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS
TYPE 'CC'—	5/16" 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)

CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1-1/4" MIN.

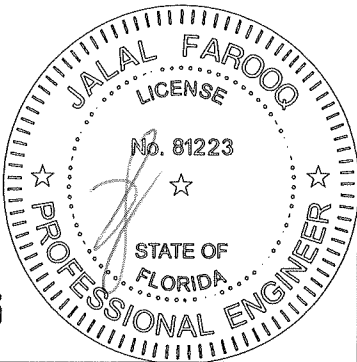
INTO METAL STRUCTURE = 3/4" MIN.

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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404.64
Expiration Date 9/6/23
By Ishag L. Ghandi
Miami Date Product Control



JUL 09 2025

afC

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 264-8100

FAX. (305) 262-6978

SERIES PH3200 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	by	description
G	07.19.24		GENERAL REVISION
H	05.21.25		REV. PER RER COMMENTS

date: 11-08-07

scale: -

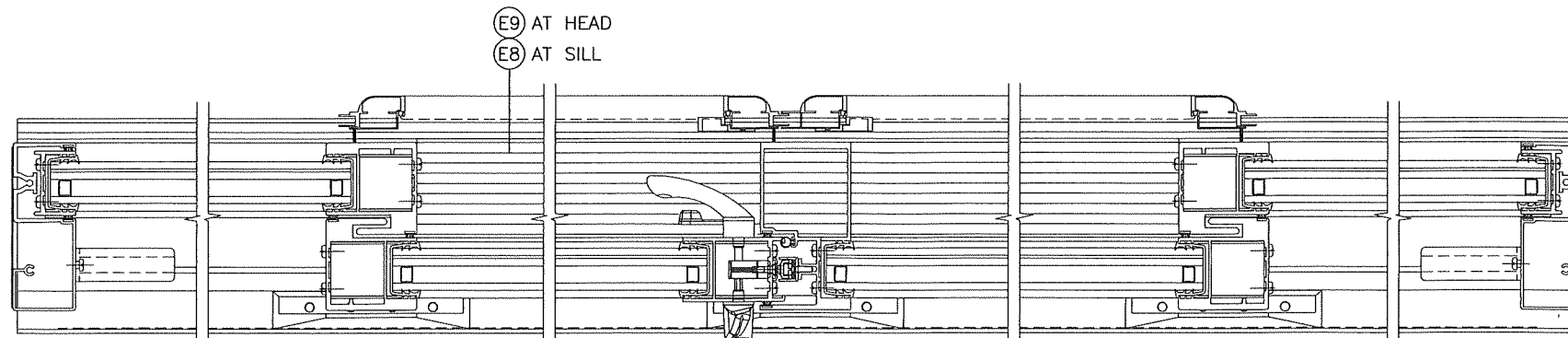
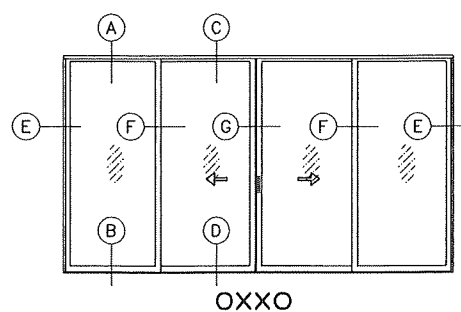
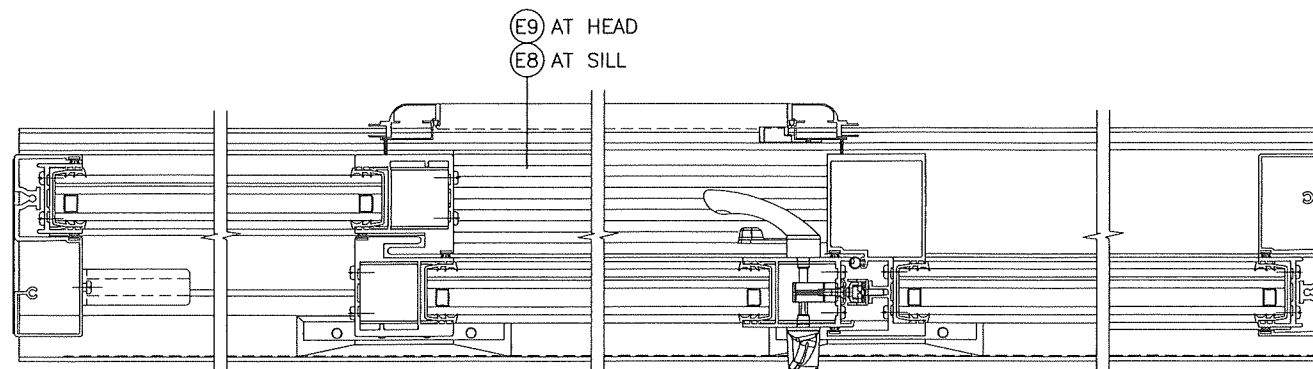
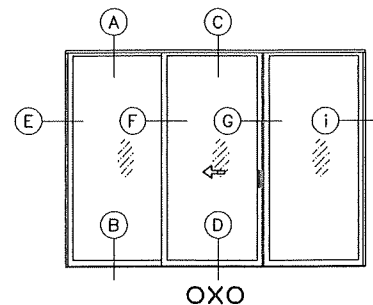
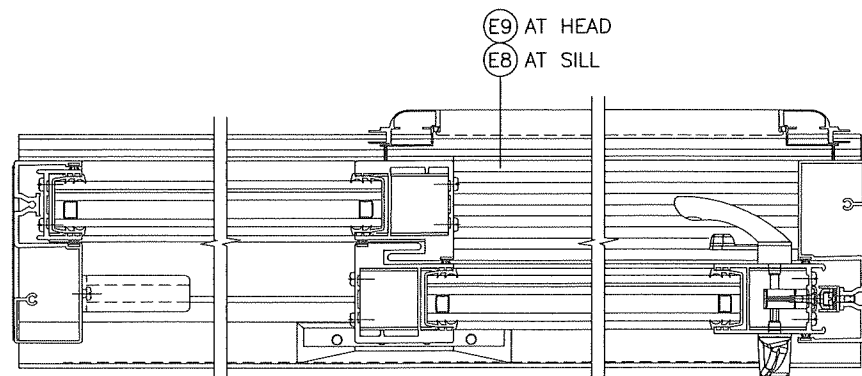
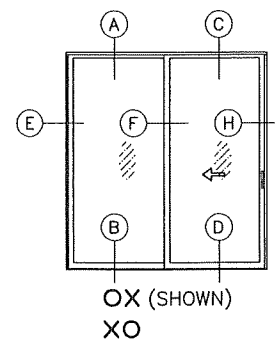
dr. by: TARIQ

chk. by:

drawing no.

W07-101

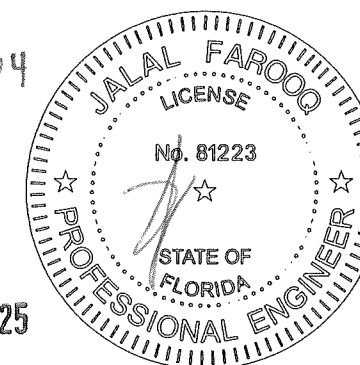
sheet 8 of 14



APPROVED CONFIGURATIONS

HORIZONTAL CROSS SECTION FOR ILLUSTRATION ONLY.
SEE SHEETS 10 & 11 FOR INSTALLATION ANCHORS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404-04
Expiration Date 9/16/29
By Ishag J. Chaudhry
Miami Dade Product Control



JUL 09 2025

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

SERIES PH3200 ALUM SLIDING GLASS DOOR (S.M.I.)

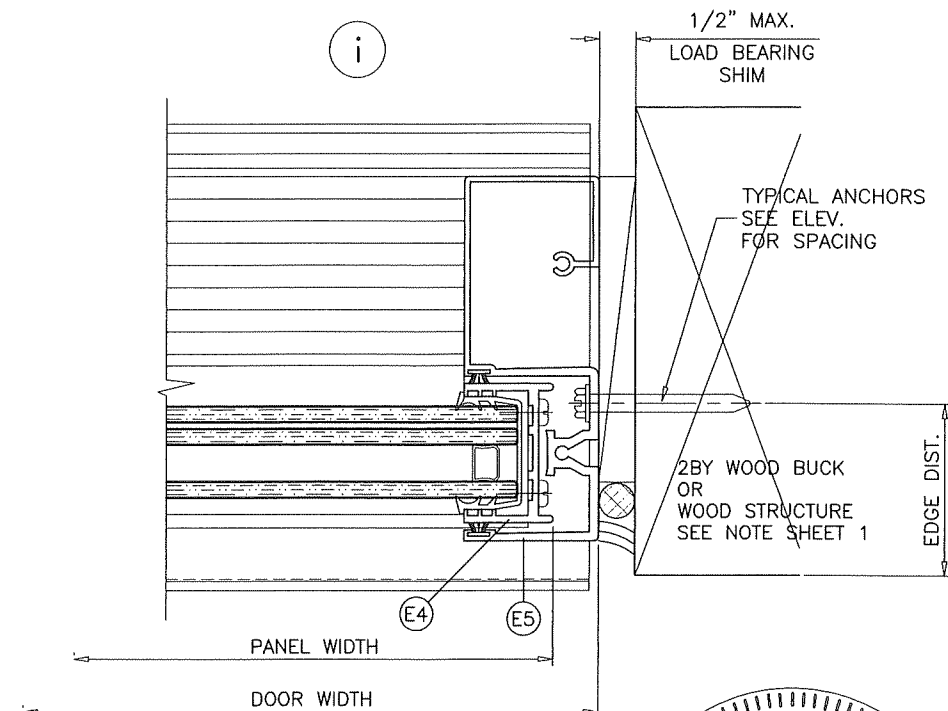
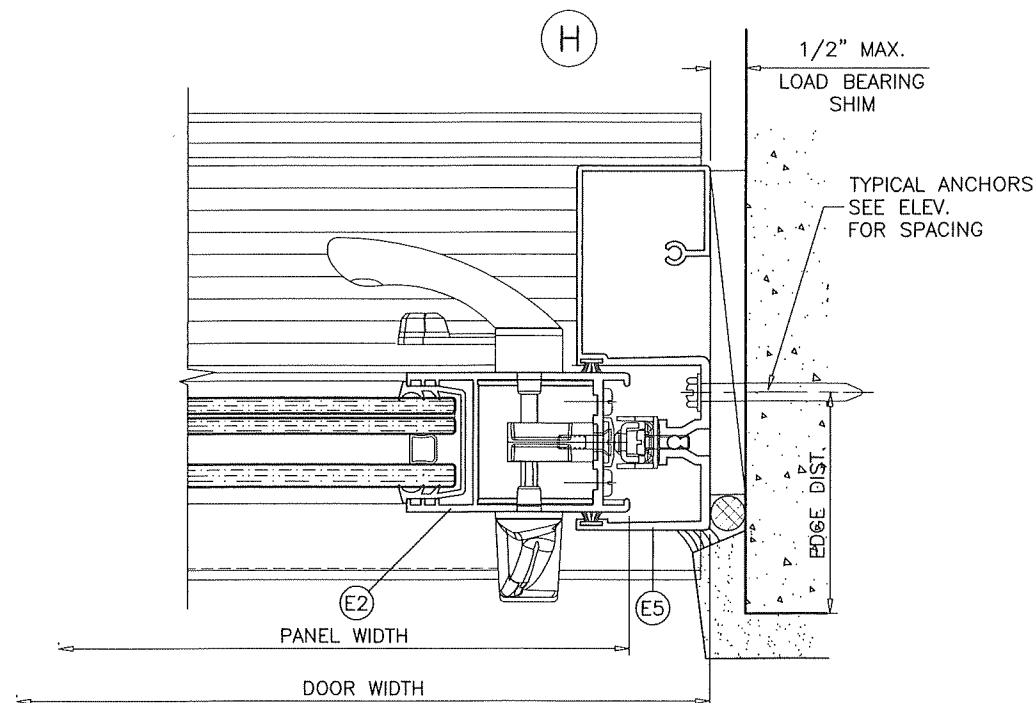
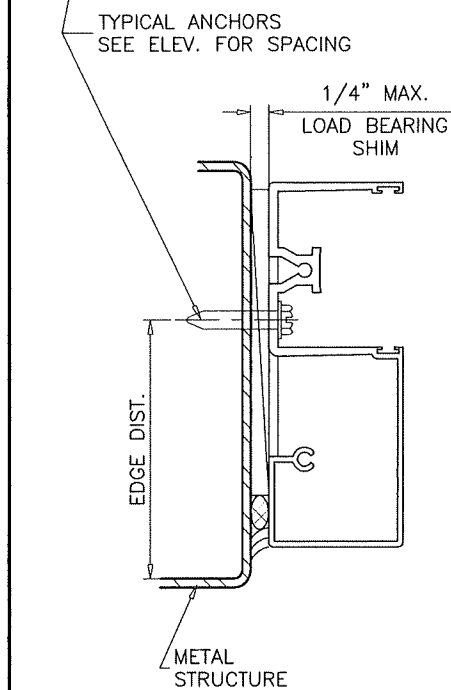
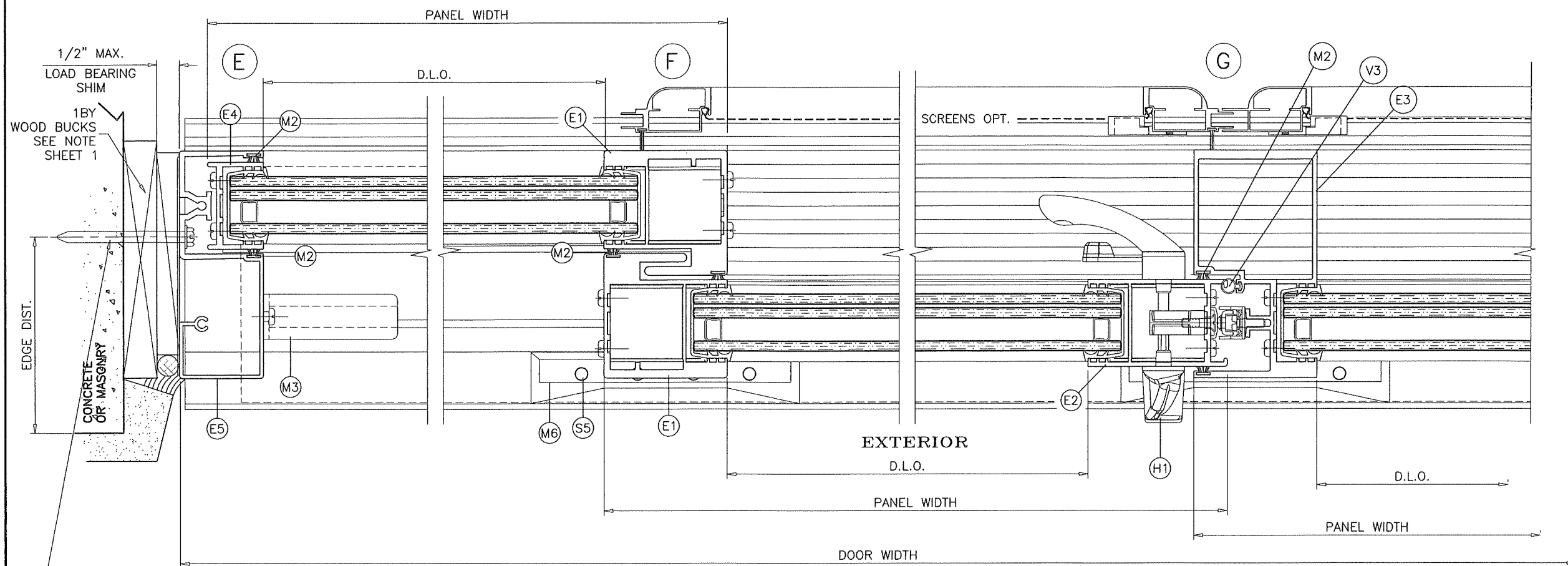
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
E	11.20.20		UPDATED TO 2020 FBC
F	08.03.23		NO CHANGE THIS SHEET
G	07.19.24		GENERAL REVISION
H	05.21.25		NO CHANGE THIS SHEET

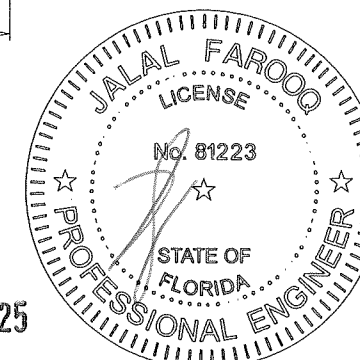
date:	11-08-07
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.
W07-101
sheet 9 of 14

COMP-ANL\W07-101RC



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0404.04
Expiration Date 5/6/29
By [Signature]
Miami Door Product Control



JUL 09 2025

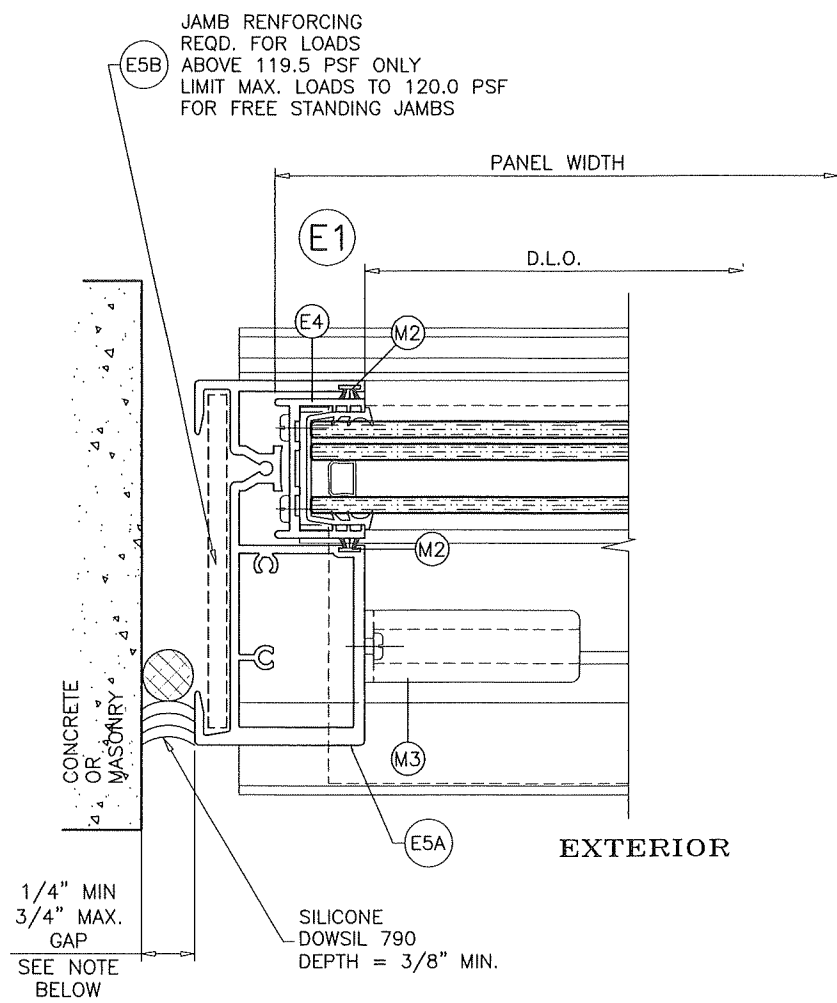
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-101RC

SERIES PH3200 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

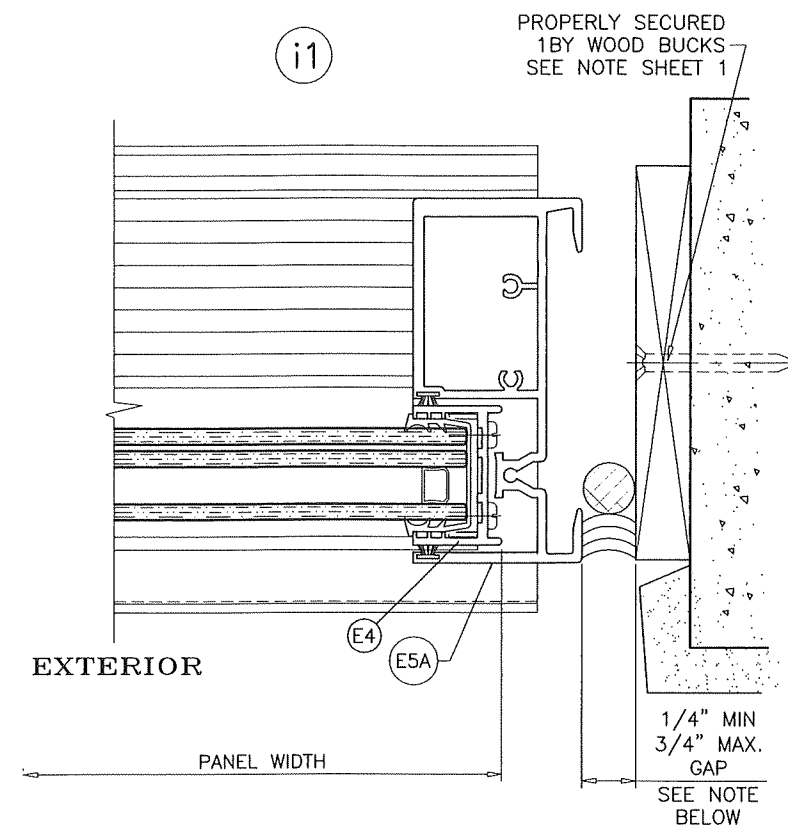
Revisions:		date	by	description
no	date	by	description	
E	11.20.20			UPDATED TO 2020 FBC
F	08.03.23			NO CHANGE THIS SHEET
G	07.19.24			GENERAL REVISION
H	05.21.25			NO CHANGE THIS SHEET

date:	11-08-07
scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.	W07-101
sheet	11 of 14



FREE JAMB WITH REINFORCING



FREE JAMB WITHOUT REINFORCING

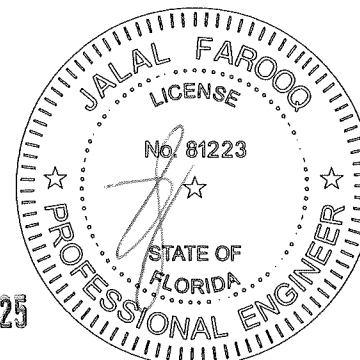
MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	1/4"	3/4"
96"	5/16"	3/4"
114"	3/8"	3/4"
119-1/2"	7/16"	3/4"

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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404.04
Expiration Date 9/6/24
By Ishag L. Chaudhary
Miami Dadq Product Control



JUL 09 2025

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\W07-101RC

SERIES PH3200 ALUM SLIDING GLASS DOOR (S.M.I.)

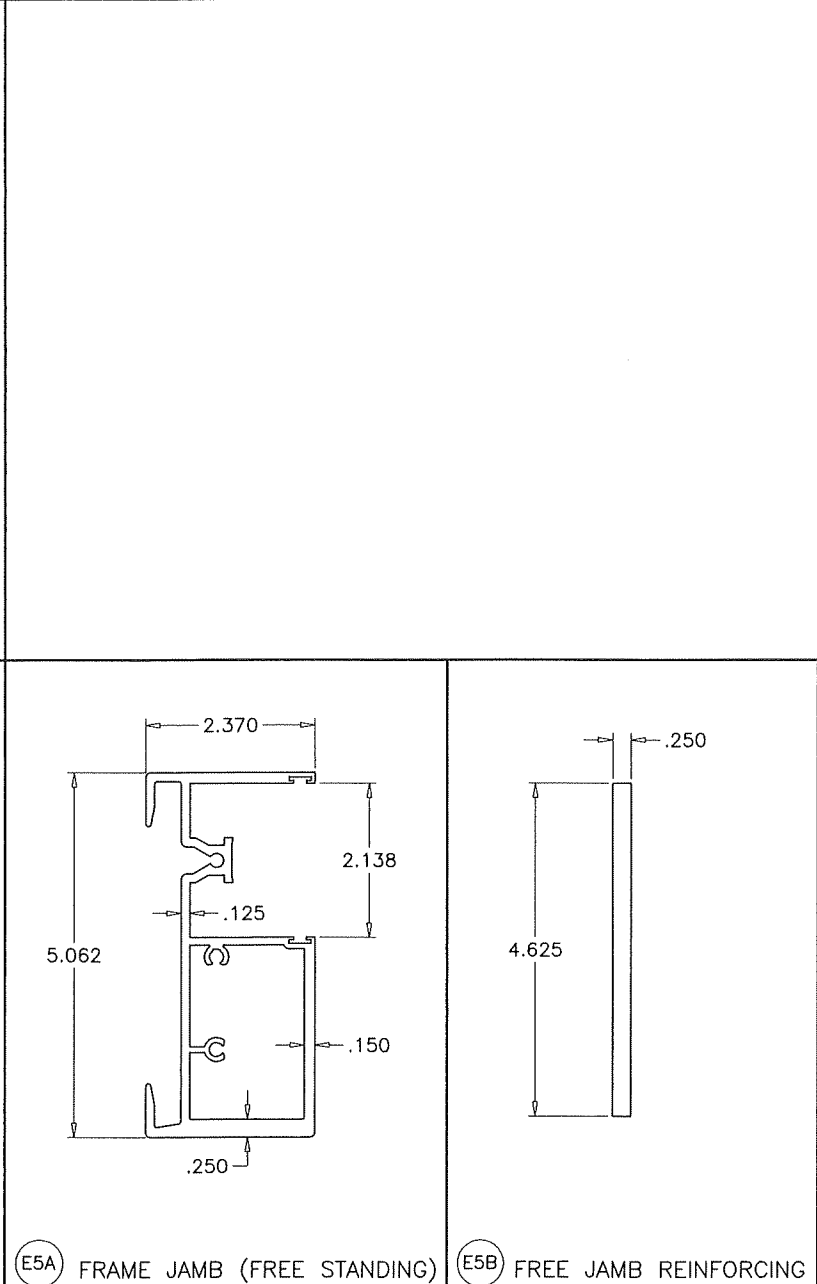
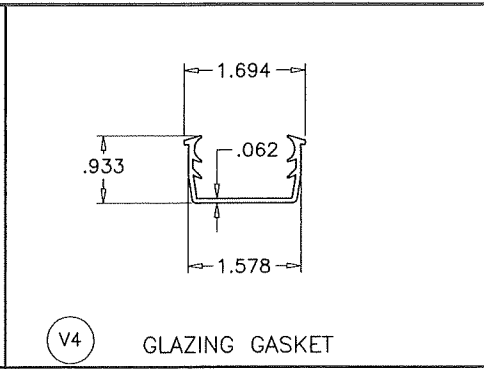
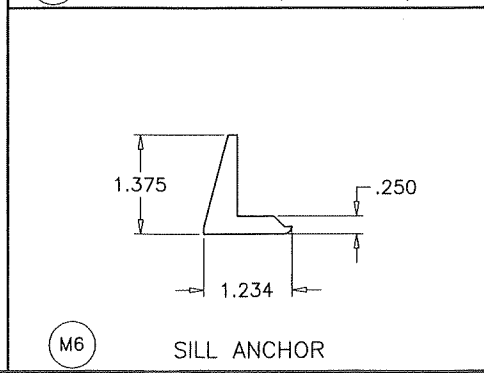
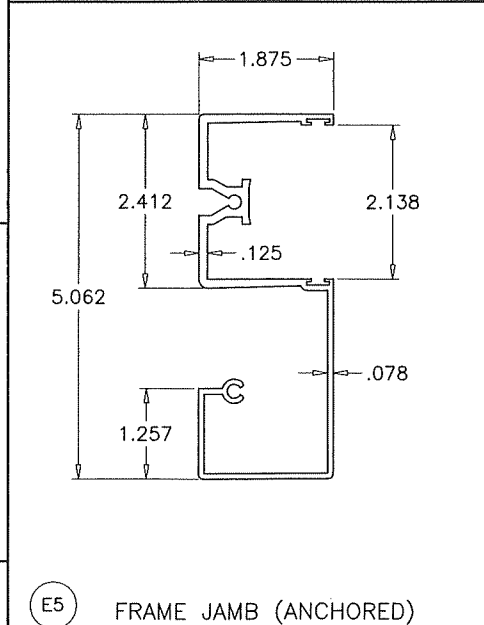
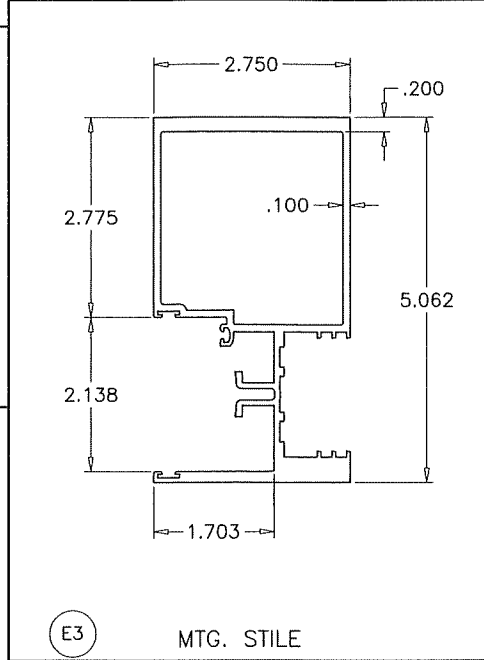
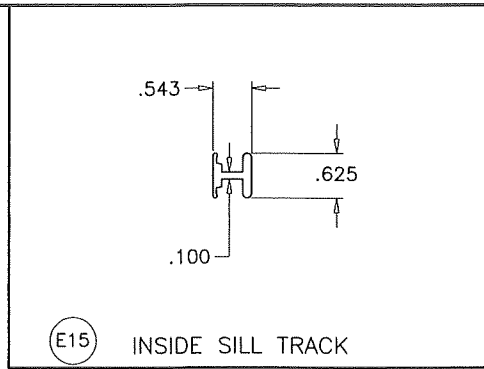
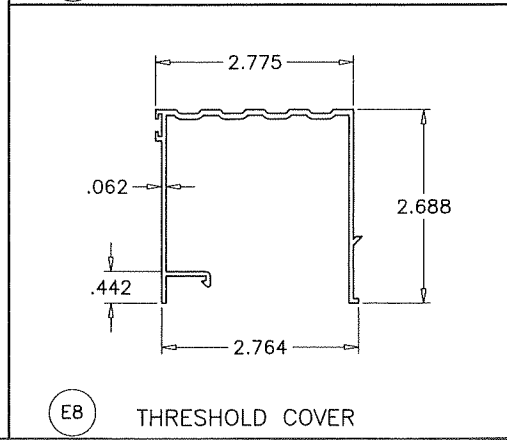
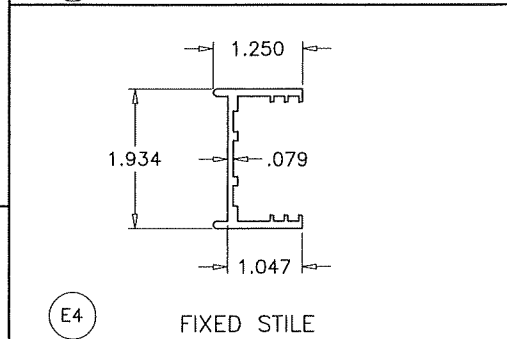
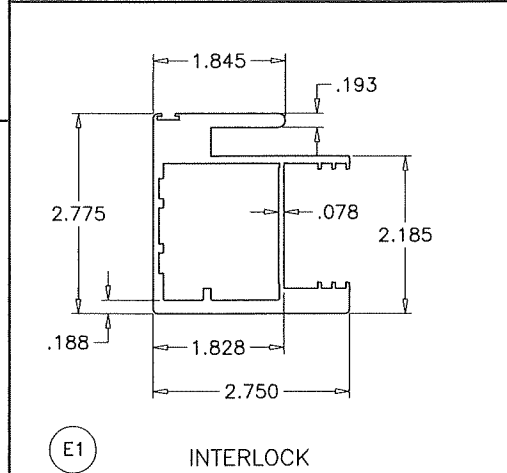
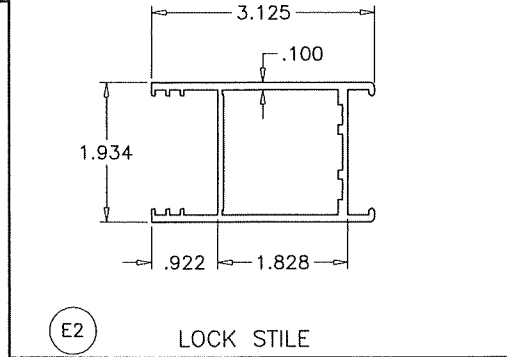
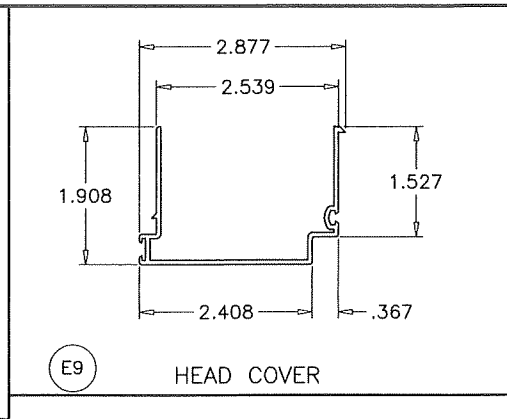
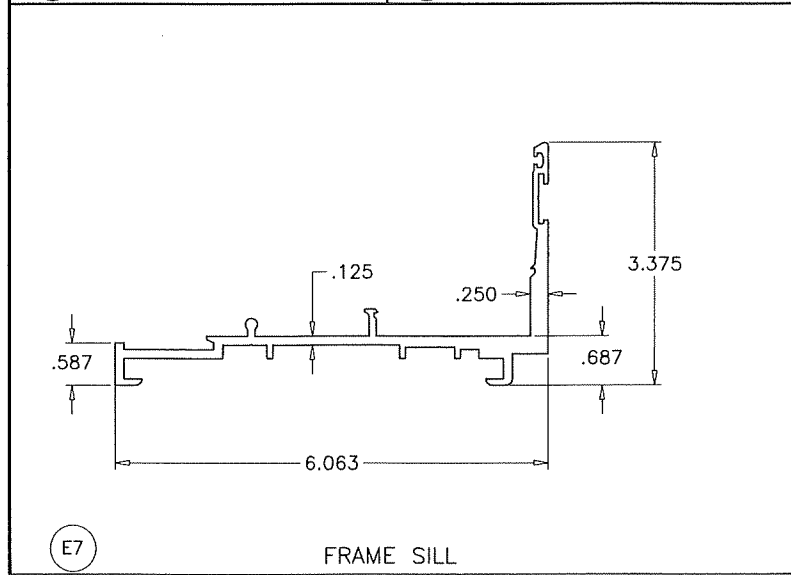
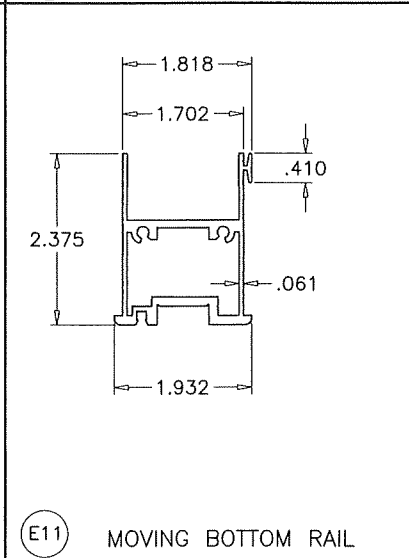
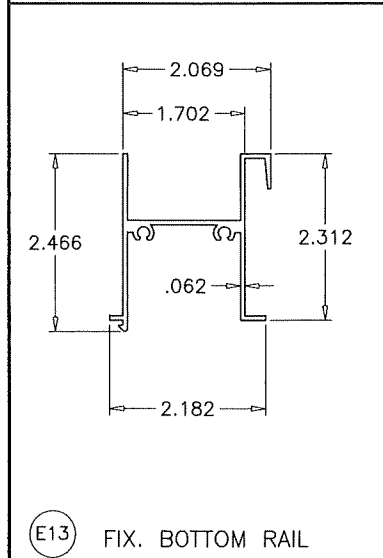
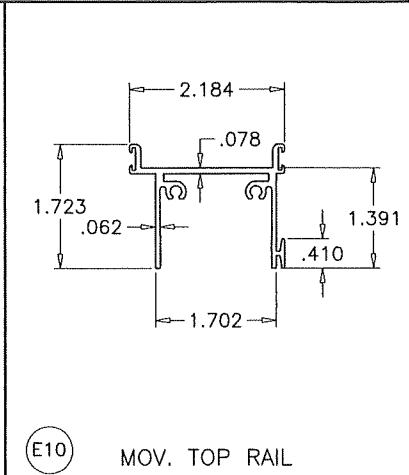
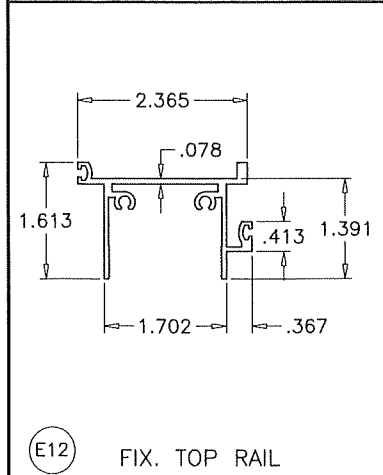
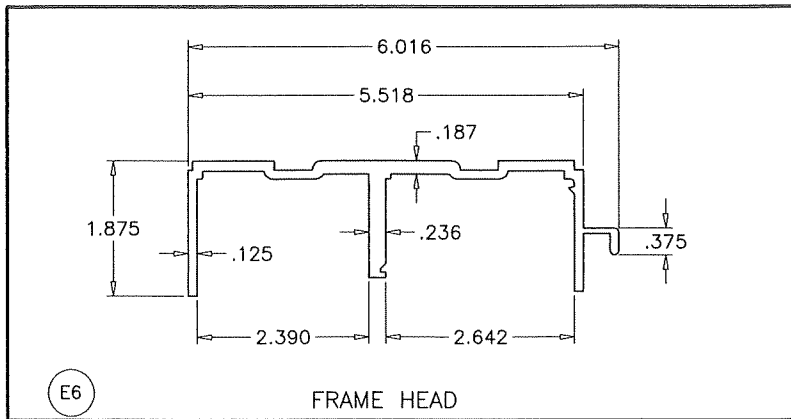
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

COMP-ANL\W07-101RC

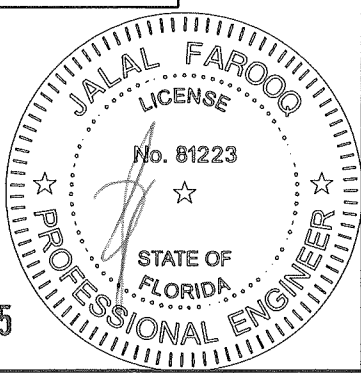
revisions:		no	date	by	description
E	11.20.20				UPDATED TO 2020 FBC
F	08.03.23				NO CHANGE THIS SHEET
G	07.19.24				GENERAL REVISION
H	05.21.25				REV. PER RER COMMENTS

date: 11-08-07	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	
----------------	------------------	---------------	----------	--

drawing no. W07-101	sheet 12 of 14
-------------------------------	----------------



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0464-04
Expiration Date 9/6/29
By Ishag I. Chaudhry
Miami Dade Product Control



JUL 09 2025

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 W07-101RC

SERIES PH3200 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 by description
E	11.20.20 UPDATED TO 2020 FBC
F	08.03.23 NO CHANGE THIS SHEET
G	07.19.24 GENERAL REVISION
H	05.21.25 REV. PER RER COMMENTS

date: 11-08-07

scale: 3/8" = 1"

dr. by: TARIQ

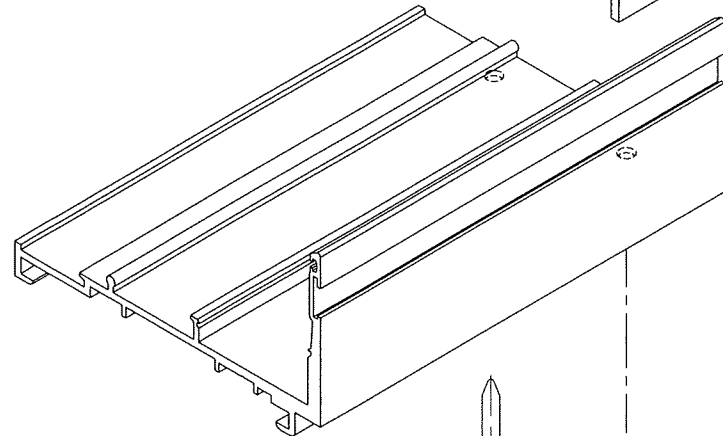
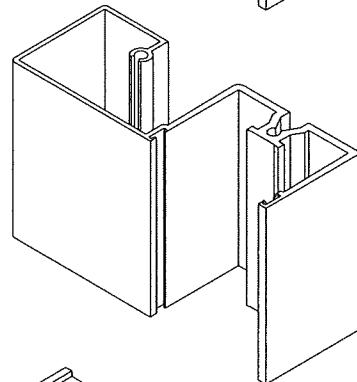
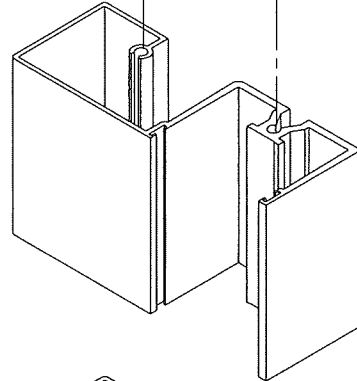
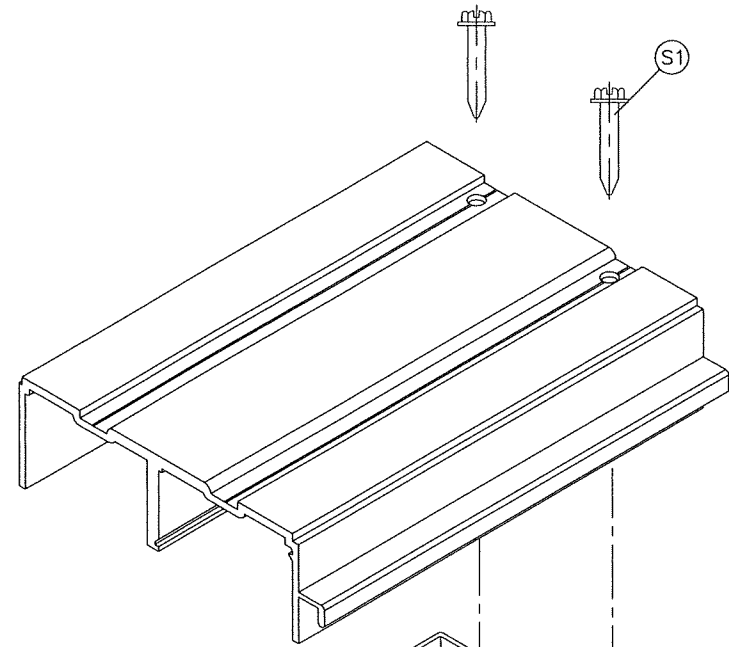
chk. by:

drawing no.

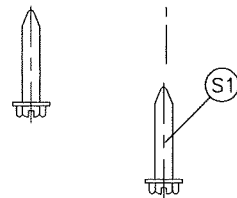
W07-101

sheet 13 of 14

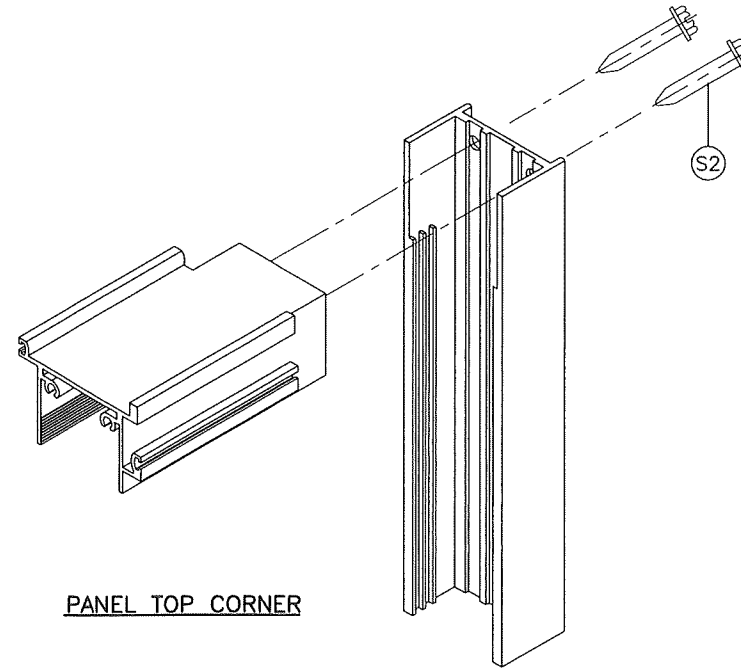
FRAME TOP CORNER



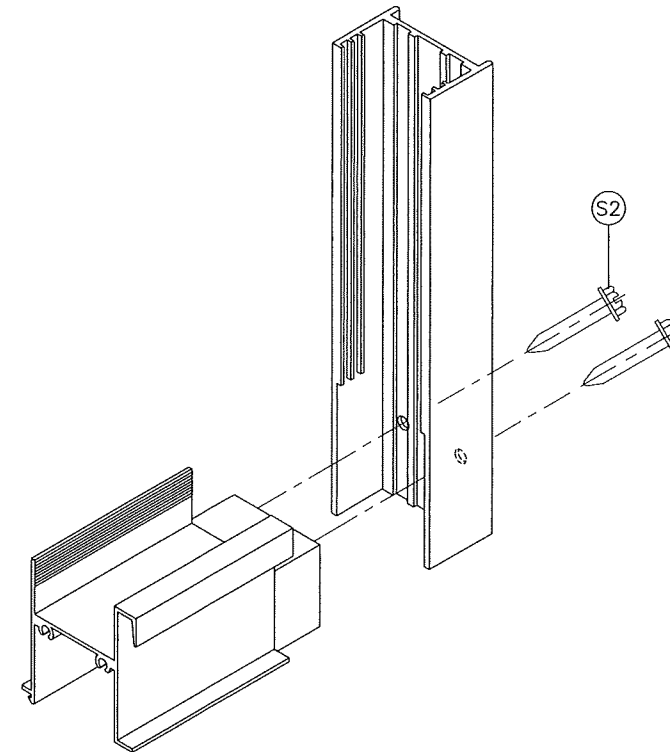
FRAME BOTTOM CORNER



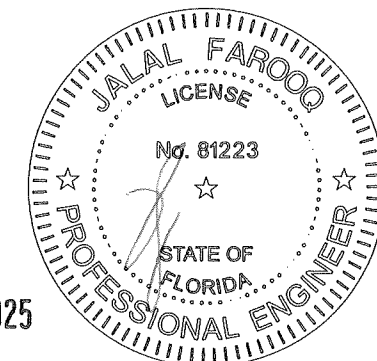
PANEL TOP CORNER



PANEL BOTTOM CORNER



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0404.04
Expiration Date 9/6/29
By *[Signature]*
Miami Trade Product Control



JUL 09 2025

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

SERIES PH3200 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	description
E	11.20.20 UPDATED TO 2020 FBC
F	08.03.23 NO CHANGE THIS SHEET
G	07.19.24 GENERAL REVISION
H	05.21.25 NO CHANGE THIS SHEET

date: 11-08-07
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W07-101
sheet 14 of 14

COMP-ANL\W07-101RC