



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

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 "DM12" Aluminum Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W08-29**, titled "Series-DM12 Alum. Sld. Glass Door (L.M.I.)", sheets 1, 2, 3, 4, 5, 6, 6.1, 7, 7.1, 8 and 9 through 15, 15.1, 16 and 17 through 21 of 21, dated 03/20/08, with revision **J** dated 10/10/24, 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: Large and 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.

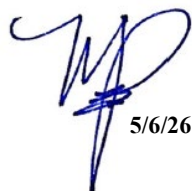
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 19-0829.04** and consists of this page 1, evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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




 5/6/26

NOA No. 24-1202.01
Expiration Date: September 18, 2028
Approval Date: May 14, 2026
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

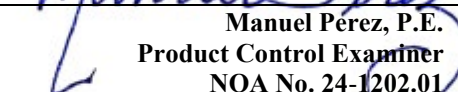
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 08-0620.08 and 12-0917.02)
2. Drawing No. **W08-29**, titled "Series-DM12 Alum. Sld. Glass Door (L.M.I.)", sheets 1 through 6, 6.1, 7, 7.1 and 8 through 21 of 21, with revision **H** dated 09/16/19, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-0829.04)


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 OXXO (secured jamb) aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-18875**, dated 04/01/19, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 19-0829.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of OXXO (free jamb) and OX aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6775**, dated 03/13/12, signed and sealed by Marlin D. Brinson, P.E. *(Submitted under NOA No. 12-0917.02)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) 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 OXXO aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5462**, dated 01/24/08, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 08-0620.08)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 24-1202.01
Expiration Date: September 18, 2028
Approval Date: May 14, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**
- B. TESTS (CONTINUED)**
 3. Additional Tests: ASTM E 2068-00 (operating force) and ASTM E 987-88 (deglazing)
(Submitted under NOA No. 08-0620.08)
- C. CALCULATIONS**
 1. Anchor verification calculations complying with FBC 6th Edition (2017) prepared by Al Farooq Corporation, dated 08/22/19, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-0829.04)
 2. Glazing complies with **ASTM E 1300-09**
- D. QUALITY ASSURANCE**
 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS**
 1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Glass Interlayers" dated 12/28/17, expiring on 07/04/23.
- F. STATEMENTS**
 1. Statement letter of conformance, complying with the **FBC 6th Edition (2017)** and of no financial interest, dated 05/23/19, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-0829.04)
 2. Distribution agreement dated 02/17/17 between Energia Solar, SA, Columbia and Tecnoglass, LLC (USA), signed by Ms. Carla Garcia, Int'l Sales Manager and Ms. Evelyn Daes, General Manager, on behalf of their respective companies.
(Submitted under NOA No. 16-1027.01)
 3. Asset purchase agreement dated 11/19/13, 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. 16-1027.01)


Manuel Pérez, P.E.
Product Control Examiner
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Tecnoglass, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


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

F. STATEMENTS (CONTINUED)

4. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of assets and relinquishing of all rights of NOA No. **12-0917.02**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.
(Submitted under NOA No. 16-1027.01)
5. Department of State Certification of **TECNOGLASS, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/03/14 and signed by Ken Detzner, Secretary of State.
(Submitted under NOA No. 16-1027.01)
6. Statements of lab compliance, part of the above test reports.
(Submitted under NOA No. 12-0917.02)

G. OTHERS

1. Notice of Acceptance No. **16-1027.01**, issued to Tecnoglass, LLC., for their Series "DM12" Aluminum Sliding Glass Door – L.M.I., approved on 07/26/18 and expiring on 09/18/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 24-1202.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W08-29**, titled “Series-DM12 Alum. Sld. Glass Door (L.M.I.)”, sheets 1, 2, 3, 4, 5, 6, 6.1, 7, 7.1, 8 and 9 through 15, 15.1, 16 and 17 through 21 of 21, dated 03/20/08, with revision **J** dated 10/10/24, 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

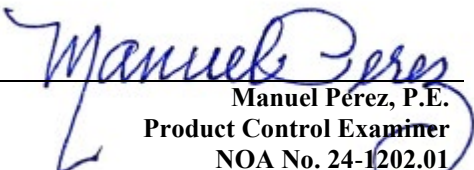
1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 08/31/23, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, and of no financial interest, dated October 23, 2024, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Letter of Authorization from ES Windows, LLC dated 10/08/24 granting permission to Tecnoglass LLC to use test Report No. **FTL-10469** for product certification and compliance purposes, signed by Evelyn Daes, General Manager, ES Windows LLC.
3. Distribution agreement dated 05/21/25 between Energia Solar, SA, Columbia and Tecnoglass, LLC (USA), signed by Ms. Andrea Zambrano, General Counsel and Ms. Evelyn Daes, General Manager on behalf of their respective companies.

G. OTHERS

1. Notice of Acceptance No. **19-0829.04**, issued to Tecnoglass, LLC., for their Series “DM12” Aluminum Sliding Glass Door – L.M.I., approved on 10/10/19 and expiring on 09/18/23.
2. File No. **21-0113.08** was opened on 01/13/21 to revise the above referenced NOA and was closed on 12/16/24 at Mfr.’s request.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 24-1202.01
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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 FOR THE GLASS TYPE USED FROM TABLE ON SHEET 3 FOR DOORS WITH ANCHORED JAMBS AND TABLE ON SHEETS 7.1 & 17 FOR DOORS WITH FREE STANDING JAMBS.
- STEP 3** USING ANCHOR CHARTS ON SHEETS 4 THRU 6 FOR DOORS WITH ANCHORED JAMBS AND ANCHOR CHARTS ON SHEETS 8 THRU 10 FOR DOORS WITH FREE STANDING JAMBS 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.
- STEP 5** FOR DOORS WITH UNANCHORED JAMBS, USING SHEET 17 DETERMINE MIN. AND MAX. GAP DIMENSIONS.

THESE DOORS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES-DM12 ALUMINUM SLIDING GLASS DOOR

DOORS MUST COMPLY WITH EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

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

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

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

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

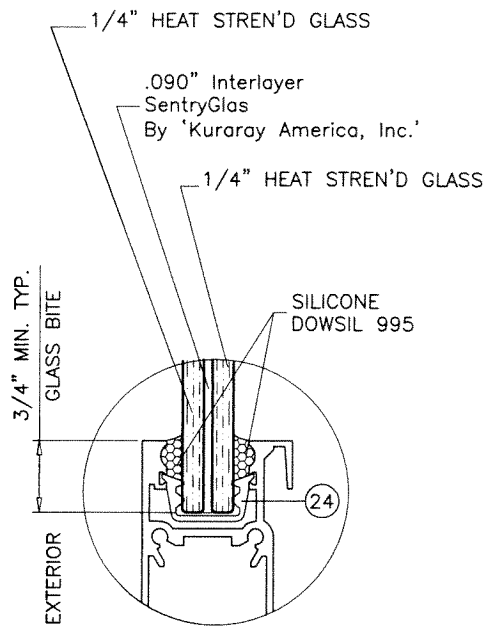
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

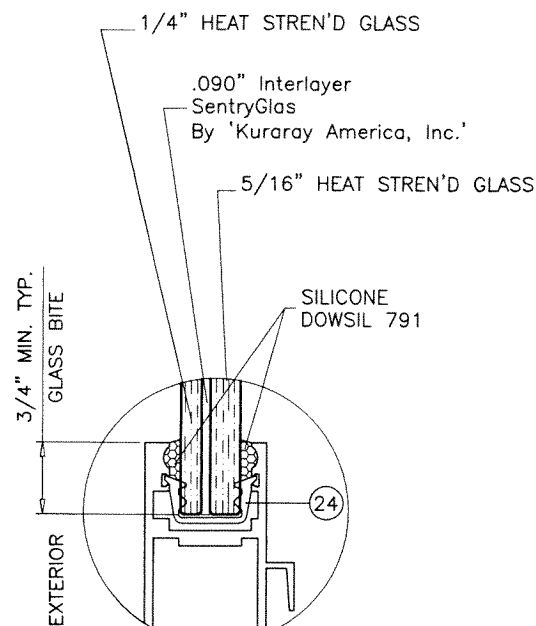
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

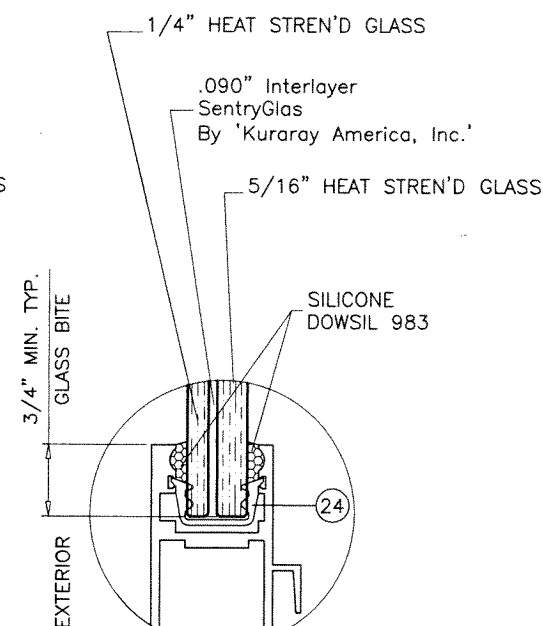
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



GLASS TYPE 'A'



GLASS TYPE 'B'



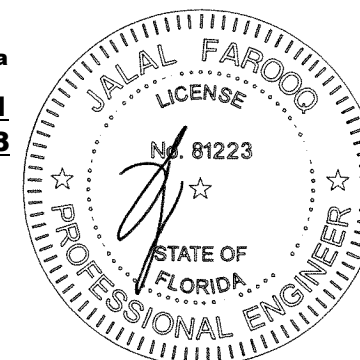
GLASS TYPE 'B.1'

GLAZING OPTIONS

LAMINATED GLASS
LARGE MISSILE IMPACT

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Torres*
Miami-Dade Product Control

APR 20 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\W08-29-TGL

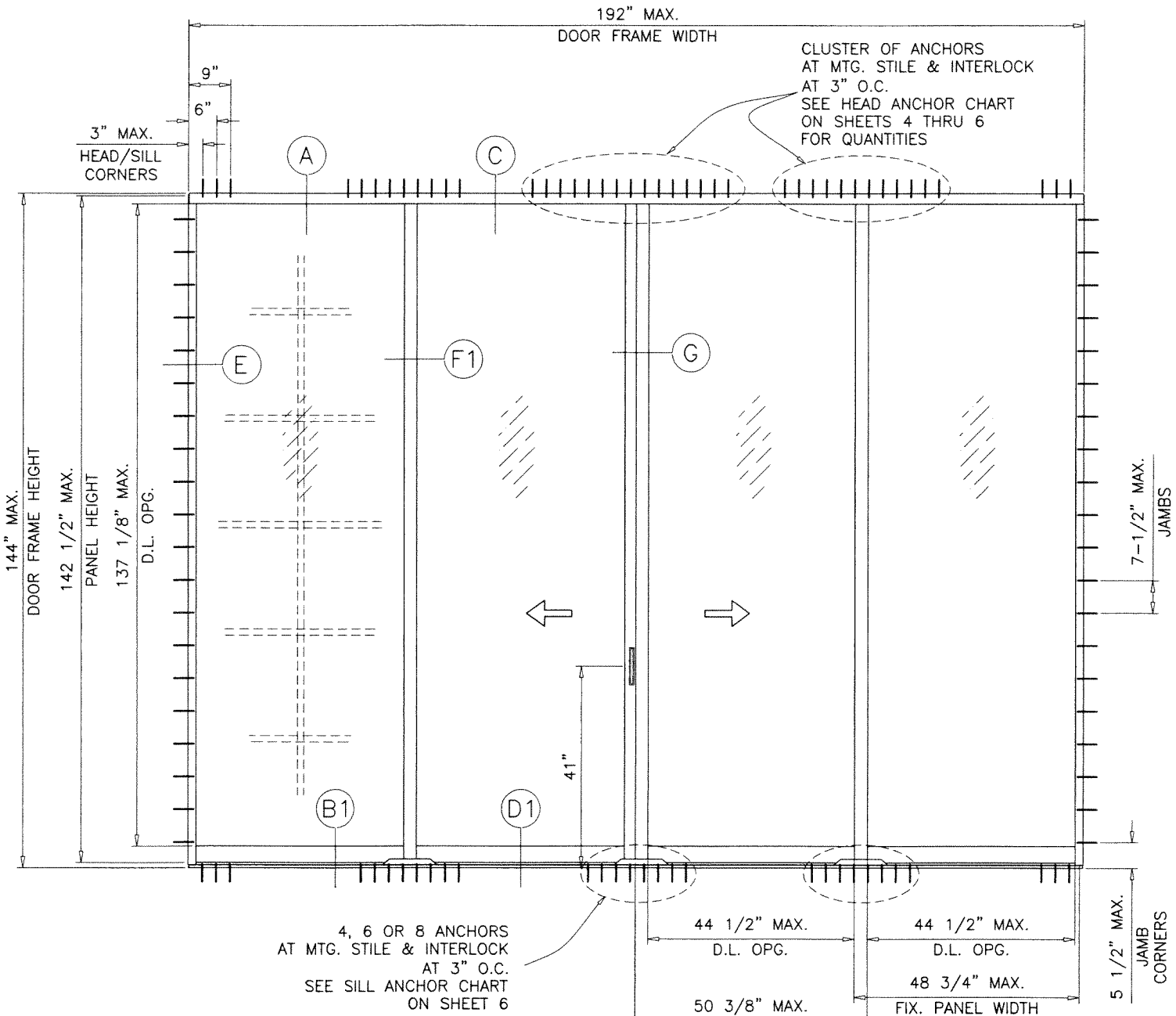
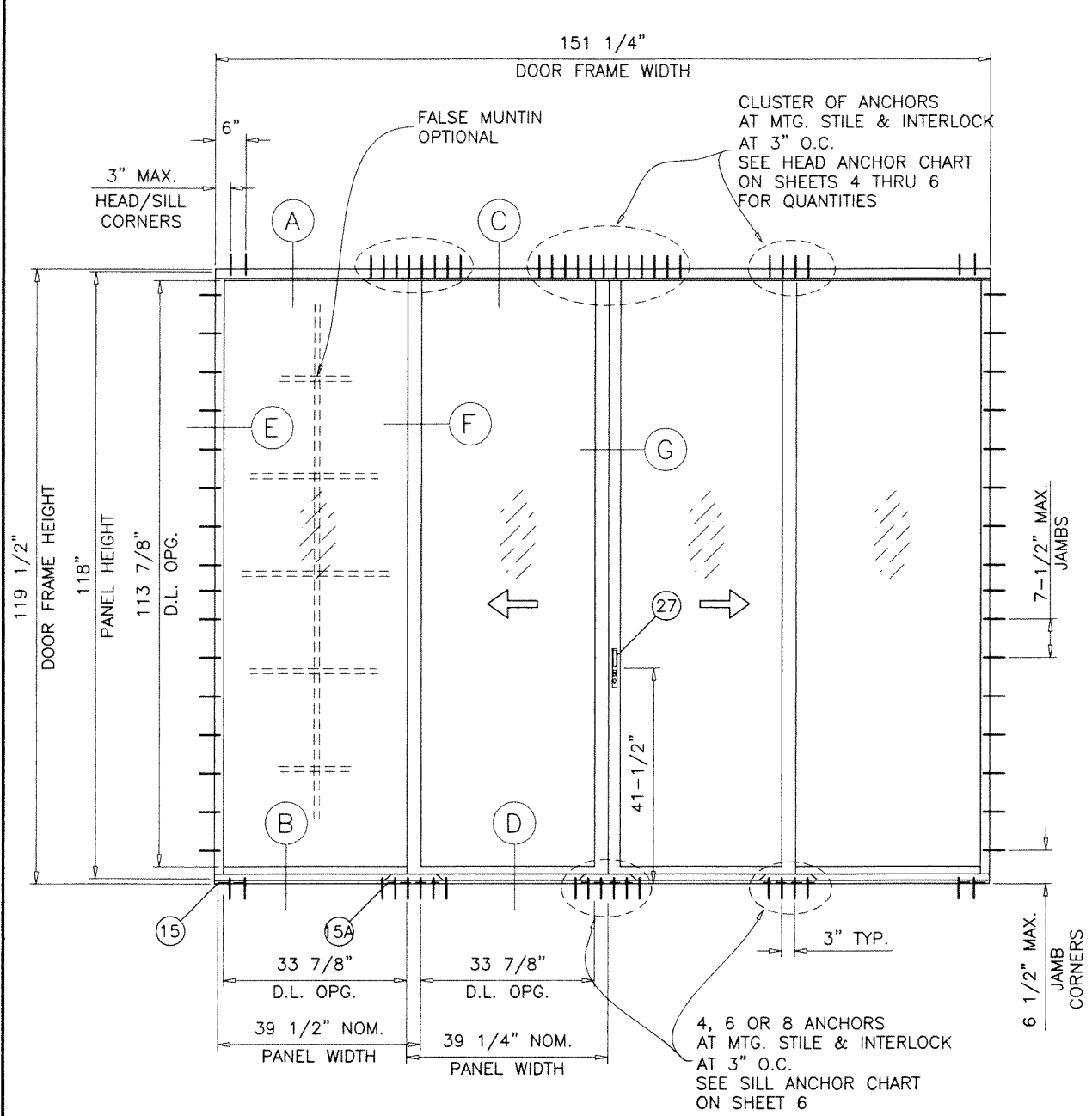
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
G	05.28.19	NEW TESTS ADDED
H	09.16.19	NO CHANGE THIS SHEET
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	UPDATED TO 2023 FBC

date: 03-20-08
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-29

sheet 1 of 21



TYPICAL ELEVATIONS (ANCHORED JAMBS)
 TESTED UNITS (OXXO)
 4 PANELS OR LESS

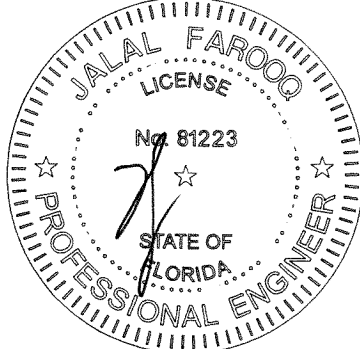
SEE SHEET 3 FOR DOOR CAPACITY
 SEE SHEETS 4 THRU 6 FOR HEAD/SILL ANCHOR CAPACITY
 LOWER VALUE FROM CHARTS WILL APPLY

DAYLITE OPENINGS:

- DLO WIDTH (FIX. PANEL) = PANEL WIDTH - 5.625
- DLO WIDTH (OPER. PANEL) = PANEL WIDTH - 5.375
- DLO HEIGHT = FRAME HEIGHT - 5.625 (STD. BOTTOM RAIL)
- DLO HEIGHT = FRAME HEIGHT - 6.875 (HI-RISE BOTTOM RAIL)
- NOM. PANEL HEIGHT = FRAME HEIGHT - 1.500

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
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 Miami-Dade Product Control



APR 20 2026

afc
AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W08-29-TCL

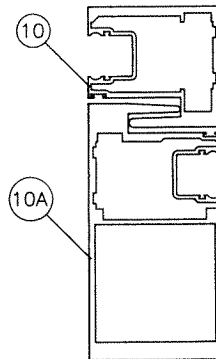
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description	by
C	05.28.19	NO CHANGE THIS SHEET	
H	09.16.19	NO CHANGE THIS SHEET	
I	03.08.21	UPDATED TO 2020 FBC	
J	10.10.24	NO CHANGE THIS SHEET	

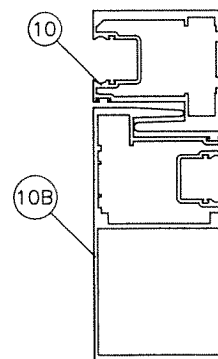
date:	03-20-08
scale:	3/8"=1'-0"
dr. by:	TARIOQ
chk. by:	

DESIGN LOAD CAPACITY - PSF (GLASS)
DOORS WITH ANCHORED JAMBS

PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	H.D. EXTERIOR INTERLOCK						STD. EXTERIOR INTERLOCK			
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'B.1'		GLASS TYPE 'A'		GLASS TYPE 'B'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36 37-3/4 42 48 54 60	96	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		134.8	134.8	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54 60	102	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		134.8	134.8	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54 60	108	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54 60	114	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54	119-3/8	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54	120	-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48 54	126	-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	111.1	146.7	111.1	111.1	111.1	111.1
36 37-3/4 42 48	132	-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
36 37-3/4 42 48	138	-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
36 37-3/4 42 48	144	-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0
		-	-	-	-	125.0	165.0	125.0	125.0	125.0	125.0



H.D. EXT. INTERLOCK

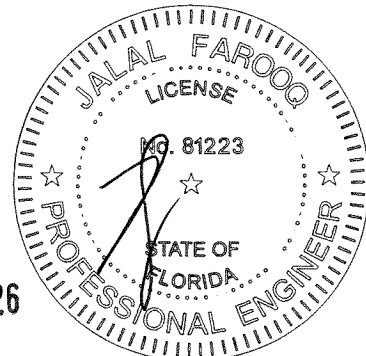


STD. EXT. INTERLOCK

NOTE:
DOORS WITH FRAME JAMB REVERSED
(XO, OXO, XOX CONFIGURATIONS)
LIMIT MAX. DESIGN LOADS TO ±125 PSF.

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Torres*
Miami-Dade Product Control



APR 20 2026

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

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\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	description	by
	G	05.28.19	NEW TESTS ADDED	
	H	09.16.19	NO CHANGE THIS SHEET	
	I	03.08.21	UPDATED TO 2020 FBC	
	J	10.10.24	NO CHANGE THIS SHEET	

date: 03-20-08
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. **W08-29**
sheet **3** of **21**

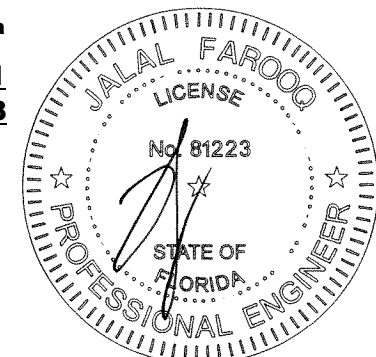
DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)

PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'														
		1/4" MAX. SHIM SPACE					3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 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. (-)
36 37-3/4 42 48 54 60	96	118.3	165.0	165.0	165.0	165.0	87.0	130.6	165.0	165.0	165.0	68.5	102.8	137.1	165.0	165.0
		112.8	165.0	165.0	165.0	165.0	83.0	124.5	165.0	165.0	165.0	65.3	98.1	130.7	163.4	165.0
		101.4	152.1	165.0	165.0	165.0	74.6	111.9	149.2	165.0	165.0	58.7	88.1	117.5	146.9	165.0
		88.8	133.1	165.0	165.0	165.0	65.3	97.9	130.6	163.2	165.0	51.4	77.1	102.8	128.5	154.2
		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
36 37-3/4 42 48 54 60	102	111.4	165.0	165.0	165.0	165.0	81.9	122.9	163.8	165.0	165.0	64.5	96.8	129.0	161.3	165.0
		106.2	159.3	165.0	165.0	165.0	78.1	117.2	156.2	165.0	165.0	61.5	92.3	123.0	153.8	165.0
		95.5	143.2	165.0	165.0	165.0	70.2	105.3	140.4	165.0	165.0	55.3	83.0	110.6	138.2	165.0
		83.5	125.3	165.0	165.0	165.0	61.4	92.2	122.9	153.6	165.0	48.4	72.6	96.8	120.9	145.1
		74.2	111.4	148.5	165.0	165.0	54.6	81.9	109.2	136.5	163.8	43.0	64.5	86.0	107.5	129.0
36 37-3/4 42 48 54 60	108	105.2	157.8	165.0	165.0	165.0	77.3	116.1	154.7	165.0	165.0	60.9	91.4	121.9	152.3	165.0
		100.3	150.5	165.0	165.0	165.0	73.7	110.7	147.6	165.0	165.0	58.1	87.2	116.2	145.2	165.0
		90.2	135.2	165.0	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6
		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
		70.1	105.2	140.2	165.0	165.0	51.6	77.4	103.2	128.9	154.7	40.6	60.9	81.2	101.5	121.8
36 37-3/4 42 48 54 60	114	99.6	149.5	165.0	165.0	165.0	73.3	110.0	146.6	165.0	165.0	57.7	86.6	115.4	144.3	165.0
		95.0	142.5	165.0	165.0	165.0	69.9	104.9	139.8	165.0	165.0	55.0	82.6	110.1	137.6	165.0
		85.4	128.1	165.0	165.0	165.0	62.8	94.3	125.7	157.1	165.0	49.4	74.2	98.9	123.7	148.4
		74.7	112.1	149.5	165.0	165.0	54.9	82.5	109.9	137.4	164.9	43.3	64.9	86.6	108.2	129.8
		66.4	99.6	132.9	165.0	165.0	48.8	73.3	97.7	122.2	146.6	38.5	57.7	77.0	96.2	115.4
36 37-3/4 42 48 54	119-3/8	95.2	142.7	165.0	165.0	165.0	70.0	105.0	140.0	165.0	165.0	55.1	82.7	110.2	137.8	165.0
		90.8	136.1	165.0	165.0	165.0	66.7	100.1	133.5	165.0	165.0	52.5	78.9	105.1	131.4	157.7
		81.6	122.4	163.1	165.0	165.0	60.0	90.0	120.0	150.0	165.0	47.2	70.9	94.5	118.1	141.7
		71.4	107.1	142.7	165.0	165.0	52.5	78.8	105.0	131.2	157.5	41.3	62.0	82.7	103.3	124.0
		63.4	95.2	126.9	158.6	165.0	46.6	70.0	93.3	116.7	140.0	36.7	55.1	73.5	91.9	110.2
36 37-3/4 42 48 54	120	94.7	142.0	165.0	165.0	165.0	69.6	104.5	139.3	165.0	165.0	54.8	82.3	109.7	137.1	164.5
		90.3	135.4	165.0	165.0	165.0	66.4	99.6	132.8	165.0	165.0	52.3	78.5	104.6	130.7	156.8
		81.1	121.7	162.3	165.0	165.0	59.7	89.5	119.4	149.2	165.0	47.0	70.5	94.0	117.5	141.0
		71.0	106.5	142.0	165.0	165.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4
		63.1	94.7	126.2	157.8	165.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6
36 37-3/4 42 48 54	126	90.2	135.2	165.0	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6
		86.0	129.0	165.0	165.0	165.0	63.2	94.9	126.5	158.1	165.0	49.8	74.7	99.6	124.5	149.4
		77.3	115.9	154.6	165.0	165.0	56.8	85.3	113.7	142.1	165.0	44.7	67.2	89.5	111.9	134.3
		67.6	101.4	135.2	165.0	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
		60.1	90.2	120.2	150.3	165.0	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0	104.4
36 37-3/4 42 48	132	86.1	129.1	165.0	165.0	165.0	63.3	95.0	126.6	158.2	165.0	49.8	74.8	99.7	124.6	149.5
		82.1	123.1	164.1	165.0	165.0	60.3	90.6	120.7	150.9	165.0	47.5	71.3	95.1	118.8	142.6
		73.8	110.6	147.5	165.0	165.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	128.2
		64.5	96.8	129.1	161.4	165.0	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
		82.3	123.5	164.6	165.0	165.0	60.5	90.8	121.1	151.4	165.0	47.7	71.5	95.4	119.2	143.0
36 37-3/4 42 48	138	78.5	117.8	157.0	165.0	165.0	57.7	86.6	115.5	144.3	165.0	45.4	68.2	90.9	113.7	136.4
		70.6	105.8	141.1	165.0	165.0	51.9	77.9	103.8	129.7	155.7	40.8	61.3	81.7	102.2	122.6
		61.7	92.6	123.5	154.3	165.0	45.4	68.1	90.8	113.5	136.2	35.7	53.7	71.5	89.4	107.3
		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
		75.2	112.8	150.5	165.0	165.0	55.3	83.0	110.7	138.3	165.0	43.5	65.4	87.2	108.9	130.7
36 37-3/4 42 48	144	67.6	101.4	135.2	165.0	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
		59.2	88.8	118.3	147.9	165.0	43.5	65.3	87.0	108.8	130.5	34.3	51.4	68.5	85.7	102.8

SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Perez*
Miami-Dade Product Control



APR 20 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\W08-29-TCL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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	05.28.19	NEW TESTS ADDED
	H	09.16.19	REV. PER PER COMMENTS
	I	03.08.21	UPDATED TO 2020 FBC
	J	10.10.24	NO CHANGE THIS SHEET

date: 03-20-08
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-29
sheet 4 of 21

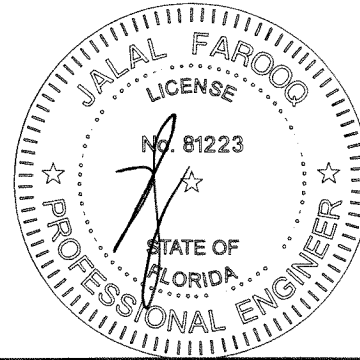
DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)

PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'B'														
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE					
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 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. (-)	
36	96	134.0	165.0	165.0	165.0	87.0	130.6	165.0	165.0	165.0	68.5	102.8	137.1	165.0	165.0	
37-3/4		127.8	165.0	165.0	165.0	83.0	124.5	165.0	165.0	165.0	65.3	98.1	130.7	163.4	165.0	
42		114.9	165.0	134.8	134.8	74.6	111.9	149.2	165.0	134.5	58.7	88.1	117.5	146.9	165.0	
48		100.5	150.8	165.0	165.0	65.3	97.9	130.6	163.2	165.0	51.4	77.1	102.8	128.5	154.2	
54		89.3	134.0	165.0	111.1	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1	
60	80.4	120.6	160.8	100.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4		

SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Perez*
 Miami-Dade Product Control



APR 20 2026

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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revisions:	no	date	description
	G	05.28.19	NO CHANGE THIS SHEET
	H	09.16.19	REV. PER RER COMMENTS
	I	03.08.21	UPDATED TO 2020 FBC
	J	10.10.24	NO CHANGE THIS SHEET

date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:
 drawing no. **W08-29**
 sheet 5 of 21

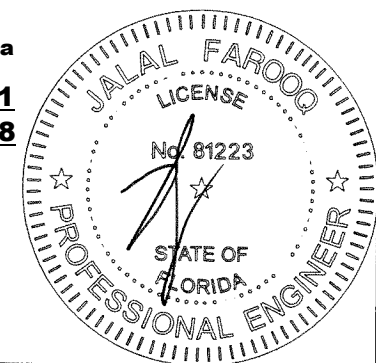
DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)

PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'														
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE						
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 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. (-)		
36 37-3/4 42 48 54 60	96	165.0	165.0	165.0	123.8	165.0	165.0	165.0	165.0	98.7	148.0	165.0	165.0	165.0		
		158.6	165.0	165.0	118.1	165.0	165.0	165.0	165.0	94.1	141.1	165.0	165.0	165.0		
		142.6	165.0	165.0	106.1	159.3	165.0	165.0	165.0	84.6	126.9	165.0	165.0	165.0		
		124.8	165.0	165.0	92.9	139.4	165.0	165.0	165.0	74.0	111.0	148.0	165.0	165.0		
		110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0		
36 37-3/4 42 48 54 60	102	156.5	165.0	165.0	116.5	165.0	165.0	165.0	165.0	92.9	139.3	165.0	165.0	165.0		
		149.3	165.0	165.0	111.1	165.0	165.0	165.0	165.0	88.6	132.8	165.0	165.0	165.0		
		134.2	165.0	165.0	99.9	149.9	165.0	165.0	165.0	79.6	119.4	159.2	165.0	165.0		
		117.4	165.0	165.0	87.4	131.2	165.0	165.0	165.0	69.6	104.5	139.3	165.0	165.0		
		104.4	156.5	165.0	77.7	116.6	155.5	165.0	165.0	61.9	92.9	123.8	154.8	165.0		
36 37-3/4 42 48 54 60	108	147.9	165.0	165.0	110.1	165.0	165.0	165.0	165.0	87.7	131.6	165.0	165.0	165.0		
		141.0	165.0	165.0	105.0	157.5	165.0	165.0	165.0	83.6	125.5	165.0	165.0	165.0		
		165.0	165.0	165.0	94.3	141.6	165.0	165.0	165.0	75.2	112.8	150.3	165.0	165.0		
		110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0		
		98.6	147.9	165.0	73.4	110.1	146.8	165.0	165.0	58.5	87.7	116.9	146.2	165.0		
36 37-3/4 42 48 54 60	114	140.1	165.0	165.0	104.3	156.5	165.0	165.0	165.0	83.1	124.6	165.0	165.0	165.0		
		133.6	165.0	165.0	99.4	149.2	165.0	165.0	165.0	79.2	118.9	158.5	165.0	165.0		
		120.1	165.0	165.0	89.4	134.1	165.0	165.0	165.0	71.2	106.8	142.4	165.0	165.0		
		105.1	157.6	165.0	78.2	117.4	156.5	165.0	165.0	62.3	93.5	124.6	155.8	165.0		
		93.4	140.1	165.0	69.5	104.3	139.1	165.0	165.0	55.4	83.1	110.8	138.5	165.0		
36 37-3/4 42 48 54	119-3/8	133.8	165.0	165.0	99.6	149.4	165.0	165.0	165.0	79.3	119.0	158.7	165.0	165.0		
		127.6	165.0	165.0	95.0	142.5	165.0	165.0	165.0	75.7	113.5	151.3	165.0	165.0		
		114.7	165.0	165.0	85.4	128.1	165.0	165.0	165.0	68.0	102.0	136.0	165.0	165.0		
		100.3	150.5	165.0	74.7	112.1	149.4	165.0	165.0	59.5	89.3	119.0	148.8	165.0		
		89.2	133.8	165.0	66.4	99.6	132.8	165.0	165.0	52.9	79.3	105.8	132.2	158.7		
36 37-3/4 42 48 54	120	133.1	165.0	165.0	99.1	148.7	165.0	165.0	165.0	78.9	118.4	157.9	165.0	165.0		
		126.9	165.0	165.0	94.5	141.8	165.0	165.0	165.0	75.3	112.9	150.5	165.0	165.0		
		114.1	165.0	165.0	84.9	127.4	165.0	165.0	165.0	67.7	101.5	135.3	165.0	165.0		
		99.8	149.7	165.0	74.3	111.5	148.7	165.0	165.0	59.2	88.8	118.4	148.0	165.0		
		88.7	133.1	165.0	66.0	99.1	132.1	165.0	165.0	52.6	78.9	105.2	131.6	157.9		
36 37-3/4 42 48 54	126	126.7	165.0	165.0	94.3	141.6	165.0	165.0	165.0	75.2	112.8	150.3	165.0	165.0		
		120.9	165.0	165.0	90.0	135.0	165.0	165.0	165.0	71.7	107.5	143.4	165.0	165.0		
		108.6	162.9	165.0	80.9	121.4	161.8	165.0	165.0	64.4	96.7	128.9	161.1	165.0		
		95.0	142.6	165.0	70.8	106.2	141.6	165.0	165.0	56.4	84.6	112.8	141.0	165.0		
		84.5	126.7	165.0	62.9	94.4	125.8	157.3	165.0	50.1	75.2	100.2	125.3	150.3		
36 37-3/4 42 48	132	121.0	165.0	165.0	90.1	135.2	165.0	165.0	165.0	71.8	107.6	143.5	165.0	165.0		
		115.4	165.0	165.0	85.9	128.9	165.0	165.0	165.0	68.4	102.6	136.9	165.0	165.0		
		103.7	155.5	165.0	77.2	115.8	154.4	165.0	165.0	61.5	92.3	123.0	153.8	165.0		
		90.7	136.1	165.0	67.5	101.4	135.1	165.0	165.0	53.8	80.7	107.6	134.5	161.5		
		115.7	165.0	165.0	86.1	129.3	165.0	165.0	165.0	68.6	103.0	137.3	165.0	165.0		
36 37-3/4 42 48	138	110.3	165.0	165.0	82.2	123.3	164.4	165.0	165.0	65.5	98.2	130.9	163.6	165.0		
		99.2	148.8	165.0	73.8	110.8	147.7	165.0	165.0	58.8	88.2	117.7	147.1	165.0		
		86.8	130.2	165.0	64.6	97.0	129.3	161.6	165.0	51.5	77.2	103.0	128.7	154.4		
		110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0		
		105.7	158.6	165.0	78.7	118.1	157.5	165.0	165.0	62.7	94.1	125.5	156.8	165.0		
36 37-3/4 42 48	144	95.0	142.6	165.0	70.8	106.2	141.6	165.0	165.0	56.4	84.6	112.8	141.0	165.0		
		83.2	124.8	165.0	61.9	92.9	123.9	154.8	165.0	49.3	74.0	98.7	123.3	148.0		

SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Perez*
Miami-Dade Product Control



APR 20 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) 262-6978
COMP-ANL\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

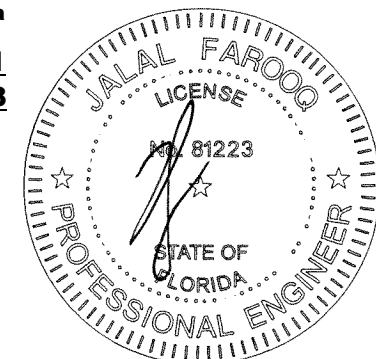
date: 03-20-08	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
no. 05.28.19	description	NEW TESTS ADDED	
H 09.16.19	REV. PER RER COMMENTS		
I 03.08.21	UPDATED TO 2020 FBC		
J 10.10.24	NO CHANGE THIS SHEET		
drawing no. W08-29		sheet 6 of 21	

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'			
		1/4" MAX. SHIM SPACE			
		4 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. (-)
36	96	134.0	165.0	165.0	165.0
37-3/4		127.8	165.0	165.0	165.0
42		114.9	165.0	165.0	165.0
48		100.5	150.8	165.0	165.0
54		89.3	134.0	165.0	165.0
60		80.4	120.6	160.8	165.0
36	102	126.1	165.0	165.0	165.0
37-3/4		120.3	165.0	165.0	165.0
42		108.1	162.2	165.0	165.0
48		94.6	141.9	165.0	165.0
54		84.1	126.1	165.0	165.0
60		75.7	113.5	151.3	165.0
36	108	119.1	165.0	165.0	165.0
37-3/4		113.6	165.0	165.0	165.0
42		102.1	153.1	165.0	165.0
48		89.3	134.0	165.0	165.0
54		79.4	119.1	158.8	165.0
60		71.5	107.2	142.9	165.0
36	114	112.8	165.0	165.0	165.0
37-3/4		107.6	161.4	165.0	165.0
42		96.7	145.1	165.0	165.0
48		84.6	126.9	165.0	165.0
54		75.2	112.8	150.5	165.0
60		67.7	101.6	135.4	165.0
36	119-3/8	107.8	161.6	165.0	165.0
37-3/4		102.8	154.1	165.0	165.0
42		92.4	138.6	165.0	165.0
48		80.8	121.2	161.6	165.0
54		71.8	107.8	143.7	165.0
60					
36	120	107.2	160.8	165.0	165.0
37-3/4		102.2	153.3	165.0	165.0
42		91.9	137.8	165.0	165.0
48		80.4	120.6	160.8	165.0
54		71.5	107.2	142.9	165.0
60					
36	126	102.1	153.1	165.0	165.0
37-3/4		97.4	146.0	165.0	165.0
42		87.5	131.3	165.0	165.0
48		76.6	114.9	153.1	165.0
54		68.1	102.1	136.1	165.0
60					
36	132	97.5	146.2	165.0	165.0
37-3/4		92.9	139.4	165.0	165.0
42		83.5	125.3	165.0	165.0
48		73.1	109.6	146.2	165.0
54					
60					
36	138	93.2	139.8	165.0	165.0
37-3/4		88.9	133.3	165.0	165.0
42		79.9	119.9	159.8	165.0
48		69.9	104.9	139.8	165.0
54					
60					
36	144	89.3	134.0	165.0	165.0
37-3/4		85.2	127.8	165.0	165.0
42		76.6	114.9	153.1	165.0
48		67.0	100.5	134.0	165.0
54					
60					


SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH ANCHORED JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Torres*
 Miami-Dade Product Control



APR 20 2026



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 FAX. (305) 262-6978
 TEL. (305) 264-8100 COMP-ANL\W08-29-TCL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

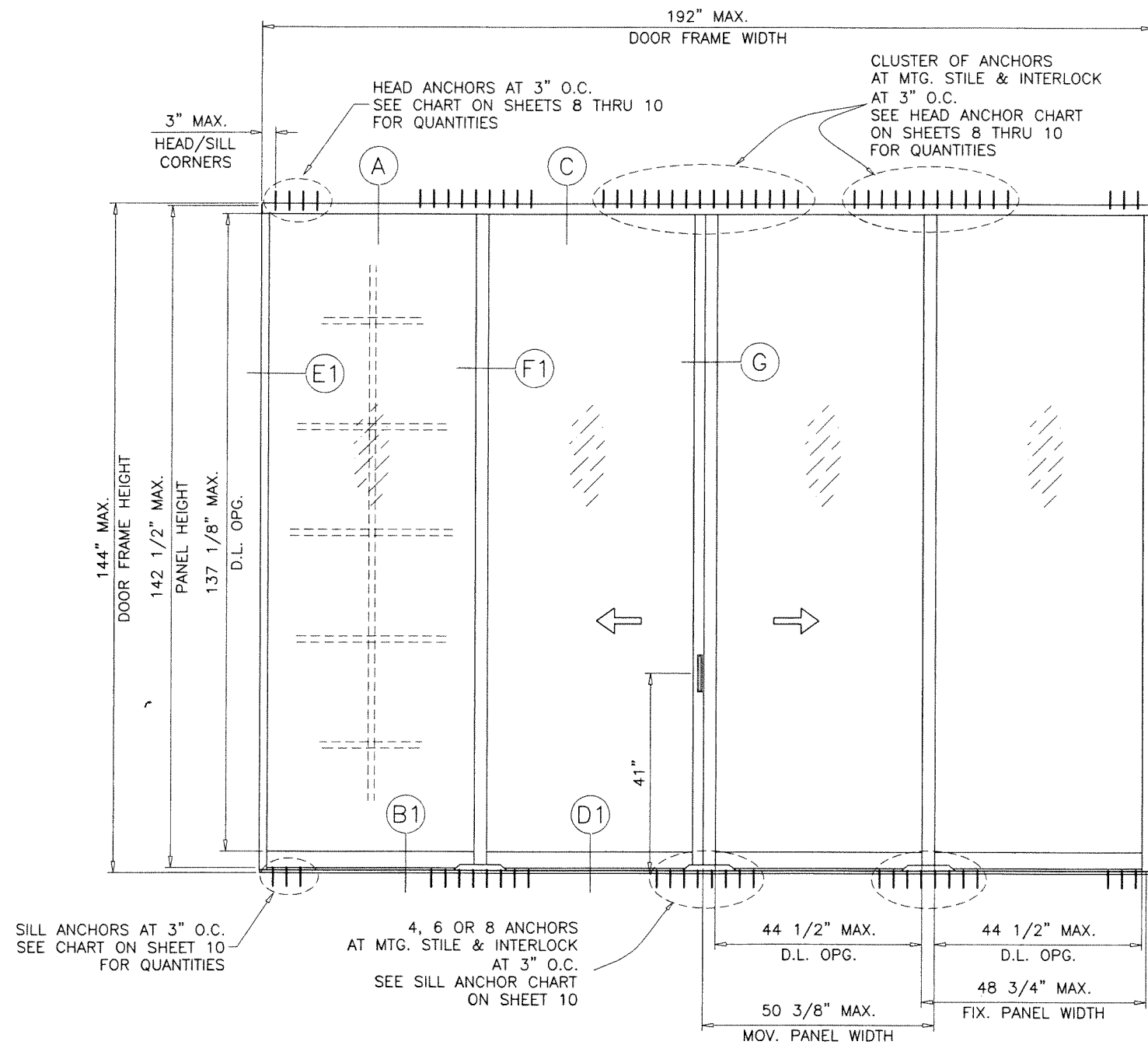
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

no.	date	description
G	05.28.19	NEW TESTS ADDED
H	09.16.19	REV. PER RER COMMENTS
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

revisions:

date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no. **W08-29**
 sheet 6.1 of 21



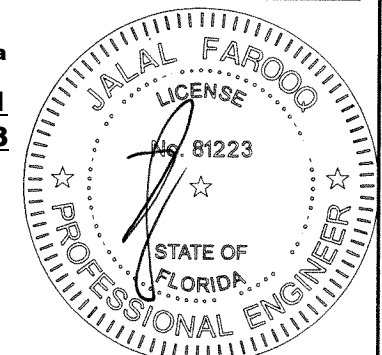
TYPICAL ELEVATION (FREE STANDING JAMBS)
TESTED UNIT (OXXO)
4 PANELS OR LESS

DAYLITE OPENINGS:

DLO WIDTH (FIX. PANEL) = PANEL WIDTH - 5.625
 DLO WIDTH (OPER. PANEL) = PANEL WIDTH - 5.375
 DLO HEIGHT = FRAME HEIGHT - 5.625 (STD. BOTTOM RAIL)
 DLO HEIGHT = FRAME HEIGHT - 6.875 (HI-RISE BOTTOM RAIL)
 NOM. PANEL HEIGHT = FRAME HEIGHT - 1.500

SGD WITH FREE STANDING JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Perez*
 Miami-Dade Product Control



APR 20 2026

afc

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \ W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

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

no	date	description	by
G	05.28.19	NEW TESTS ADDED	
H	09.16.19	NO CHANGE THIS SHEET	
I	03.08.21	UPDATED TO 2020 FBC	
J	10.10.24	NO CHANGE THIS SHEET	

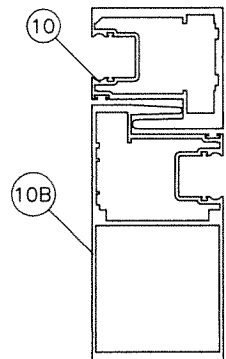
date: 03-20-08
 scale: 3/8"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no. **W08-29**
 sheet 7 of 21

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS							
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXTERIOR INTERLOCK					
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'B.1'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	96	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	101.9	110.0
60	100.0	100.0	100.0	100.0	91.7	99.0	
30	102	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	101.9	110.0
60	100.0	100.0	100.0	100.0	-	-	
30	108	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
60	100.0	100.0	100.0	100.0	-	-	
30	114	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
60	100.0	100.0	100.0	100.0	-	-	
30	119-3/8	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
30	120	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
30	126	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	-	-
54		111.1	111.1	111.1	111.1	-	-
30	132	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	-	-
54		111.1	111.1	111.1	111.1	-	-

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS							
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXTERIOR INTERLOCK					
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'B.1'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	138	125.0	125.0	125.0	125.0	-	-
36		125.0	125.0	125.0	125.0	-	-
37-3/4		125.0	125.0	125.0	125.0	-	-
42		125.0	125.0	125.0	125.0	-	-
48	125.0	125.0	125.0	125.0	-	-	
30	144	125.0	125.0	125.0	125.0	-	-
36		125.0	125.0	125.0	125.0	-	-
37-3/4		125.0	125.0	125.0	125.0	-	-
42	144	123.0	123.0	123.0	123.0	-	-
48		112.8	112.8	112.8	112.8	-	-
44	144	125.0	125.0	125.0	125.0	-	-
48		119.1	119.1	119.1	119.1	-	-

SEE DETAILS
ON
SHEET 17



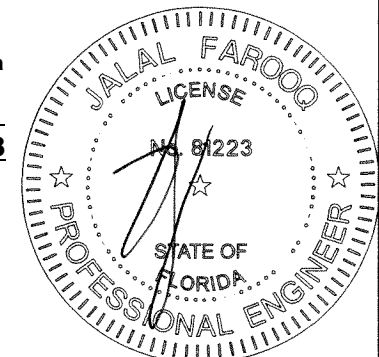
STD. EXT. INTERLOCK

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

SEE CHART AT LEFT FOR DOOR CAPACITY
SEE SHEETS 8 THRU 10 FOR HEAD/SILL ANCHOR CAPACITY
LOWER VALUE FROM CHARTS WILL APPLY
SEE SHEET 17 FOR MIN./MAX. JAMB GAPS

SGD WITH FREE STANDING JAMBS

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Perez*
Miami-Dade Product Control



APR 20 2026

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AL-FAROOQ CORPORATION
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no	date	description
G	05.28.19	NEW TESTS ADDED
H	09.16.19	NO CHANGE THIS SHEET
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

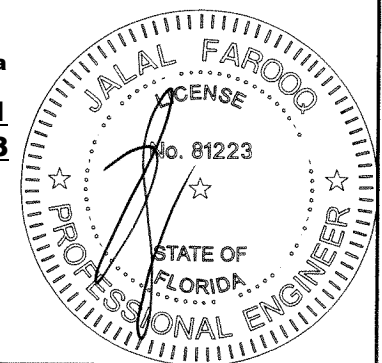
date: 03-20-08
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:
drawing no.
W08-29
sheet 7.1 of 21

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)														
PANEL WIDTH NOMINAL INCHES		DOOR FRAME HEIGHT INCHES		ANCHORS TYPE 'A'										
				1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE			
				2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB
4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 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. (-)
30	37-3/4	96	135.0	135.0	135.0	104.4	135.0	135.0	135.0	135.0	82.2	123.4	135.0	135.0
36			118.3	135.0	135.0	87.0	130.6	135.0	135.0	135.0	68.5	102.8	135.0	135.0
42			112.8	135.0	135.0	83.0	124.5	135.0	135.0	135.0	65.3	98.1	130.7	135.0
48			101.4	135.0	135.0	74.6	111.9	135.0	135.0	135.0	58.7	88.1	117.5	135.0
54			88.8	133.1	135.0	65.3	97.9	130.6	135.0	135.0	51.4	77.1	102.8	128.5
60			78.9	118.3	135.0	58.0	87.1	116.1	135.0	135.0	45.7	68.6	91.4	114.2
30	37-3/4	102	133.6	135.0	135.0	98.3	135.0	135.0	135.0	135.0	77.4	116.1	135.0	135.0
36			111.4	135.0	135.0	81.9	122.9	135.0	135.0	135.0	64.5	96.8	129.0	135.0
42			106.2	135.0	135.0	78.1	117.2	135.0	135.0	135.0	61.5	92.3	123.0	135.0
48			95.5	135.0	135.0	70.2	105.3	135.0	135.0	135.0	55.3	83.0	110.6	135.0
54			83.5	125.3	135.0	61.4	92.2	122.9	135.0	135.0	48.4	72.6	96.8	120.9
60			74.2	111.4	135.0	54.6	81.9	109.2	135.0	135.0	43.0	64.5	86.0	107.5
30	37-3/4	108	126.2	135.0	135.0	92.8	135.0	135.0	135.0	135.0	73.1	109.7	135.0	135.0
36			105.2	135.0	135.0	77.3	116.1	135.0	135.0	135.0	60.9	91.4	121.9	135.0
42			100.3	135.0	135.0	73.7	110.7	135.0	135.0	135.0	58.1	87.2	116.2	135.0
48			90.2	135.0	135.0	66.3	99.5	132.6	135.0	135.0	52.2	78.3	104.4	130.5
54			78.9	118.3	135.0	58.0	87.1	116.1	135.0	135.0	45.7	68.6	91.4	114.2
60			70.1	105.2	135.0	51.6	77.4	103.2	128.9	135.0	40.6	60.9	81.2	101.5
30	37-3/4	114	119.6	135.0	135.0	87.9	132.0	135.0	135.0	135.0	69.2	103.9	135.0	135.0
36			99.6	135.0	135.0	73.3	110.0	135.0	135.0	135.0	57.7	86.6	115.4	135.0
42			95.0	135.0	135.0	69.9	104.9	135.0	135.0	135.0	55.0	82.6	110.1	135.0
48			85.4	128.1	135.0	62.8	94.3	125.7	135.0	135.0	49.4	74.2	98.9	123.7
54			74.7	112.1	135.0	54.9	82.5	109.9	135.0	135.0	43.3	64.9	86.6	108.2
60			66.4	99.6	132.9	48.8	73.3	97.7	122.2	135.0	38.5	57.7	77.0	96.2
30	37-3/4	119-3/8	114.2	135.0	135.0	84.0	126.0	135.0	135.0	135.0	66.1	99.2	132.3	135.0
36			95.2	135.0	135.0	70.0	105.0	135.0	135.0	135.0	55.1	82.7	110.2	135.0
42			90.8	135.0	135.0	66.7	100.1	133.5	135.0	135.0	52.5	78.9	105.1	131.4
48			81.6	122.4	135.0	60.0	90.0	120.0	135.0	135.0	47.2	70.9	94.5	118.1
54			71.4	107.1	135.0	52.5	78.8	105.0	131.2	135.0	41.3	62.0	82.7	103.3
60			63.4	95.2	126.9	46.6	70.0	93.3	116.7	135.0	36.7	55.1	73.5	91.9
30	37-3/4	120	113.6	135.0	135.0	83.5	125.4	135.0	135.0	135.0	65.8	98.7	131.6	135.0
36			94.7	135.0	135.0	69.6	104.5	135.0	135.0	135.0	54.8	82.3	109.7	135.0
42			90.3	135.0	135.0	66.4	99.6	132.8	135.0	135.0	52.3	78.5	104.6	130.7
48			81.1	121.7	135.0	59.7	89.5	119.4	135.0	135.0	47.0	70.5	94.0	117.5
54			71.0	106.5	135.0	52.2	78.4	104.5	130.6	135.0	41.1	61.7	82.3	102.8
60			63.1	94.7	126.2	46.4	69.6	92.8	116.0	135.0	36.5	54.8	73.1	91.4
30	37-3/4	126	108.2	135.0	135.0	79.5	119.4	135.0	135.0	135.0	62.6	94.0	125.3	135.0
36			90.2	135.0	135.0	66.3	99.5	132.6	135.0	135.0	52.2	78.3	104.4	130.5
42			86.0	129.0	135.0	63.2	94.9	126.5	135.0	135.0	49.8	74.7	99.6	124.5
48			77.3	115.9	135.0	56.8	85.3	113.7	135.0	135.0	44.7	67.2	89.5	111.9
54			67.6	101.4	135.0	49.7	74.6	99.5	124.3	135.0	39.1	58.8	78.3	97.9
60			60.1	90.2	120.2	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0
30	37-3/4	132	103.3	135.0	135.0	75.9	114.0	135.0	135.0	135.0	59.8	89.7	119.6	135.0
36			86.1	129.1	135.0	63.3	95.0	126.6	135.0	135.0	49.8	74.8	99.7	124.6
42			82.1	123.1	135.0	60.3	90.6	120.7	135.0	135.0	47.5	71.3	95.1	118.8
48			73.8	110.6	135.0	54.2	81.4	108.5	135.0	135.0	42.7	64.1	85.5	106.8
54			64.5	96.8	129.1	47.5	71.2	95.0	118.7	135.0	37.4	56.1	74.8	93.5
60			59.2	88.8	118.3	43.5	65.3	87.0	108.8	125.0	34.3	51.4	68.5	85.7
30	37-3/4	138	98.8	125.0	125.0	72.6	109.0	125.0	125.0	125.0	57.2	85.8	114.4	125.0
36			82.3	123.5	125.0	60.5	90.8	121.1	125.0	125.0	47.7	71.5	95.4	119.2
42			78.5	117.8	125.0	57.7	86.6	115.5	125.0	125.0	45.4	68.2	90.9	113.7
48			70.6	105.8	125.0	51.9	77.9	103.8	125.0	125.0	40.8	61.3	81.7	102.2
54			61.7	92.6	123.5	45.4	68.1	90.8	113.5	125.0	35.7	53.7	71.5	89.4
60			54.7	84.6	118.3	41.5	61.3	87.0	108.8	125.0	32.6	48.6	66.6	85.7
30	37-3/4	144	94.7	125.0	125.0	69.6	104.5	125.0	125.0	125.0	54.8	82.3	109.7	125.0
36			78.9	118.3	125.0	58.0	87.1	116.1	125.0	125.0	45.7	68.6	91.4	114.2
42			75.2	112.8	125.0	55.3	83.0	110.7	125.0	125.0	43.5	65.4	87.2	108.9
48			67.6	101.4	125.0	49.7	74.6	99.5	124.3	125.0	39.1	58.8	78.3	97.9
54			59.2	88.8	118.3	43.5	65.3	87.0	108.8	125.0	34.3	51.4	68.5	85.7
60			54.7	84.6	118.3	41.5	61.3	87.0	108.8	125.0	32.6	48.6	66.6	85.7

SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH FREE STANDING JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Perez*
 Miami-Dade Product Control



APR 20 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\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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	05.28.19	NEW TESTS ADDED
	H	09.16.19	REV. PER REC COMMENTS
	I	03.08.21	UPDATED TO 2020 FBC
	J	10.10.24	NO CHANGE THIS SHEET

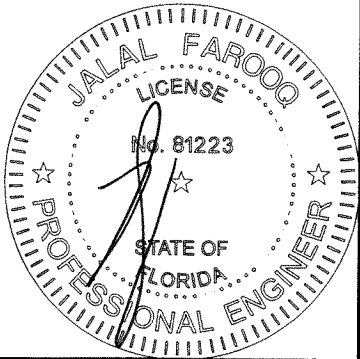
date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:
 drawing no. **W08-29**
 sheet 8 of 21


DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)														
PANEL WIDTH NOMINAL INCHES		DOOR FRAME HEIGHT INCHES		ANCHORS TYPE 'B'										
				1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE			
				2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB
4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 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. (-)
30	37-3/4	96	135.0	135.0	135.0	104.4	135.0	135.0	135.0	135.0	82.2	123.4	135.0	135.0
36			134.0	135.0	135.0	87.0	130.6	135.0	135.0	135.0	68.5	102.8	135.0	135.0
42			127.8	135.0	135.0	83.0	124.5	135.0	135.0	135.0	65.3	98.1	130.7	135.0
48			114.9	135.0	135.0	74.6	111.9	135.0	135.0	135.0	58.7	88.1	117.5	135.0
54			100.5	135.0	135.0	65.3	97.9	130.6	135.0	135.0	51.4	77.1	102.8	128.5
60			89.3	134.0	135.0	58.0	87.1	116.1	135.0	135.0	45.7	68.6	91.4	114.2
30	37-3/4	102	135.0	135.0	135.0	98.3	135.0	135.0	135.0	135.0	77.4	116.1	135.0	135.0
36			126.1	135.0	135.0	81.9	122.9	135.0	135.0	135.0	64.5	96.8	129.0	135.0
42			120.3	135.0	135.0	78.1	117.2	135.0	135.0	135.0	61.5	92.3	123.0	135.0
48			108.1	135.0	135.0	70.2	105.3	135.0	135.0	135.0	55.3	83.0	110.6	135.0
54			94.6	135.0	135.0	61.4	92.2	122.9	135.0	135.0	48.4	72.6	96.8	120.9
60			84.1	126.1	135.0	54.6	81.9	109.2	135.0	135.0	43.0	64.5	86.0	107.5
30	37-3/4	108	135.0	135.0	135.0	92.8	135.0	135.0	135.0	135.0	73.1	109.7	135.0	135.0
36			119.1	135.0	135.0	77.3	116.1	135.0	135.0	135.0	60.9	91.4	121.9	135.0
42			113.6	135.0	135.0	73.7	110.7	135.0	135.0	135.0	58.1	87.2	116.2	135.0
48			102.1	135.0	135.0	66.3	99.5	132.6	135.0	135.0	52.2	78.3	104.4	130.5
54			89.3	134.0	135.0	58.0	87.1	116.1	135.0	135.0	45.7	68.6	91.4	114.2
60			79.4	119.1	135.0	51.6	77.4	103.2	128.9	135.0	40.6	60.9	81.2	101.5
30	37-3/4	114	135.0	135.0	135.0	87.9	132.0	135.0	135.0	135.0	69.2	103.9	135.0	135.0
36			112.8	135.0	135.0	73.3	110.0	135.0	135.0	135.0	57.7	86.6	115.4	135.0
42			107.6	135.0	135.0	69.9	104.9	135.0	135.0	135.0	55.0	82.6	110.1	135.0
48			96.7	135.0	135.0	62.8	94.3	125.7	135.0	135.0	49.4	74.2	98.9	123.7
54			84.6	126.9	135.0	54.9	82.5	109.9	135.0	135.0	43.3	64.9	86.6	108.2
60			75.2	112.8	135.0	48.8	73.3	97.7	122.2	135.0	38.5	57.7	77.0	96.2
30	37-3/4	119-3/8	135.0	135.0	135.0	84.0	126.0	135.0	135.0	135.0	66.1	99.2	132.3	135.0
36			107.8	135.0	135.0	70.0	105.0	135.0	135.0	135.0	55.1	82.7	110.2	135.0
42			102.8	135.0	135.0	66.7	100.1	133.5	135.0	135.0	52.5	78.9	105.1	131.4
48			92.4	135.0	135.0	60.0	90.0	120.0	135.0	135.0	47.2	70.9	94.5	118.1
54			80.8	121.2	135.0	52.5	78.8	105.0	131.2	135.0	41.3	62.0	82.7	103.3
60			71.8	107.8	135.0	46.6	70.0	93.3	116.7	135.0	36.7	55.1	73.5	91.9
30	37-3/4	120	128.6	135.0	135.0	83.5	135.4	135.0	135.0	135.0	65.8	98.7	131.6	135.0
36			107.2	135.0	135.0	69.6	104.5	135.0	135.0	135.0	54.8	82.3	109.7	135.0
42			102.2	135.0	135.0	66.4	99.6	132.8	135.0	135.0	52.3	78.5	104.6	130.7
48			91.9	135.0	135.0	59.7	89.5	119.4	135.0	135.0	47.0	70.5	94.0	117.5
54			80.4	120.6	135.0	52.2	78.4	104.5	130.6	135.0	41.1	61.7	82.3	102.8
60			71.5	107.2	135.0	46.4	69.6	92.8	116.0	135.0	36.5	54.8	73.1	91.4
30	37-3/4	126	122.5	135.0	135.0	79.5	119.4	135.0	135.0	135.0	62.6	94.0	125.3	135.0
36			102.1	135.0	135.0	66.3	99.5	132.6	135.0	135.0	52.2	78.3	104.4	130.5
42			97.4	135.0	135.0	63.2	94.9	126.5	135.0	135.0	49.8	74.7	99.6	124.5
48			87.5	131.3	135.0	56.8	85.3	113.7	135.0	135.0	44.7	67.2	89.5	111.9
54			76.6	114.9	135.0	49.7	74.6	99.5	124.3	135.0	39.1	58.8	78.3	97.9
60			68.1	102.1	135.0	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0
30	37-3/4	132	116.9	135.0	135.0	75.9	114.0	135.0	135.0	135.0	59.8	89.7	119.6	135.0
36			97.5	135.0	135.0	63.3	95.0	126.6	135.0	135.0	49.8	74.8	99.7	124.6
42			92.9	135.0	135.0	60.3	90.6	120.7	135.0	135.0	47.5	71.3	95.1	118.8
48			83.5	125.3	135.0	54.2	81.4	108.5	135.0	135.0	42.7	64.1	85.5	106.8
54			73.1	109.6	135.0	47.5	71.2	95.0	118.7	135.0	37.4	56.1	74.8	93.5
60			64.1	102.1	135.0	42.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0
30	37-3/4	138	111.9	125.0	125.0	72.6	109.0	125.0	125.0	125.0	57.2	85.8	114.4	125.0
36			93.2	125.0	125.0	60.5	90.8	121.1	125.0	125.0	47.7	71.5	95.4	119.2
42			88.9	125.0	125.0	57.7	86.6	115.5	125.0	125.0	45.4	68.2	90.9	113.7
48			79.9	119.9	125.0	51.9	77.9	103.8	125.0	125.0	40.8	61.3	81.7	102.2
54			69.9	104.9	125.0	45.4	68.1	90.8	113.5	125.0	35.7	53.7	71.5	89.4
60			60.9	102.1	125.0	42.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0
30	37-3/4	144	107.2	125.0	125.0	69.6	104.5	125.0	125.0	125.0	54.8	82.3	109.7	125.0
36			89.3	125.0	125.0	58.0	87.1	116.1	125.0	125.0	45.7	68.6	91.4	114.2
42			85.2	125.0	125.0	55.3	83.0	110.7	125.0	125.0	43.5	65.4	87.2	108.9
48			76.6	114.9	125.0	49.7	74.6	99.5	124.3	125.0	39.1	58.8	78.3	97.9
54			67.0	100.5	125.0	43.5	65.3	87.0	108.8	125.0	34.3	51.4	68.5	85.7
60			60.9	102.1	125.0	42.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0

SEE SHEET 14 FOR ANCHOR DESCRIPTION

SGD WITH FREE STANDING JAMBS

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Perez*
 Miami-Dade Product Control
APR 20 2026





AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 262-6978 FAX. (305) 262-6978
 COMP-ANL\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

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

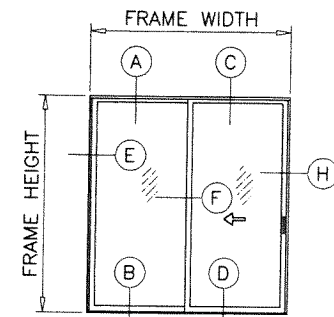
no	date	description
G	05.28.19	NEW TESTS ADDED
H	09.16.19	REV. PER RER COMMENTS
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

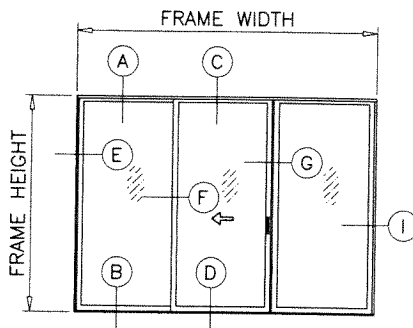
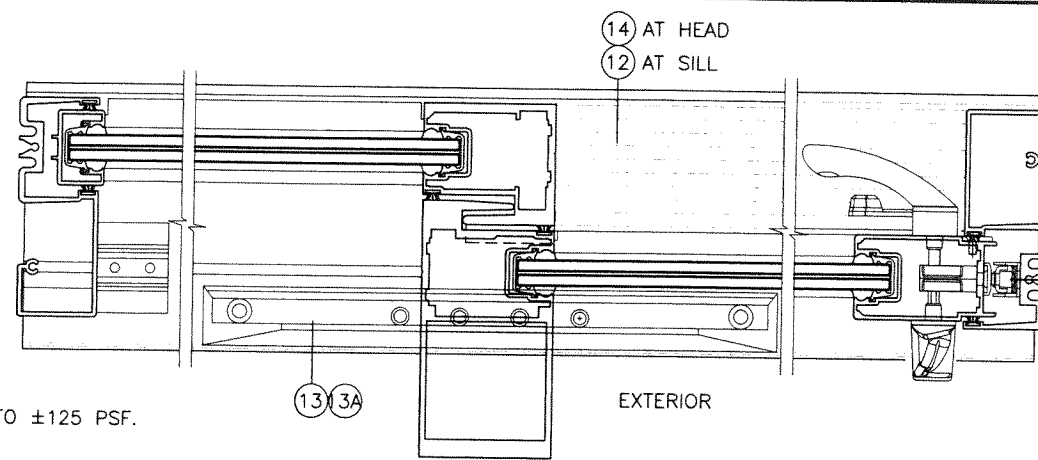
drawing no. **W08-29**
 sheet 9 of 21

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'											
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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. (-)	
30	96	135.0	135.0	135.0	135.0	135.0	135.0	135.0	118.4	135.0	135.0	135.0	135.0
36		135.0	135.0	135.0	123.8	135.0	135.0	135.0	98.7	135.0	135.0	135.0	135.0
37-3/4		135.0	135.0	135.0	118.1	135.0	135.0	135.0	94.1	135.0	135.0	135.0	135.0
42		135.0	135.0	135.0	106.1	135.0	135.0	135.0	84.6	126.9	135.0	135.0	135.0
48		124.8	135.0	135.0	92.9	135.0	135.0	135.0	74.0	111.0	135.0	135.0	135.0
54		110.9	135.0	135.0	82.6	123.9	135.0	135.0	65.8	98.7	131.6	135.0	135.0
60	99.8	135.0	135.0	74.3	111.5	135.0	135.0	59.2	88.8	118.4	135.0	135.0	
30	102	135.0	135.0	135.0	135.0	135.0	135.0	135.0	111.4	135.0	135.0	135.0	135.0
36		135.0	135.0	135.0	116.5	135.0	135.0	135.0	92.9	135.0	135.0	135.0	135.0
37-3/4		135.0	135.0	135.0	111.1	135.0	135.0	135.0	88.6	132.8	135.0	135.0	135.0
42		134.2	135.0	135.0	99.9	135.0	135.0	135.0	79.6	119.4	135.0	135.0	135.0
48		117.4	135.0	135.0	87.4	131.2	135.0	135.0	69.6	104.5	135.0	135.0	135.0
54		104.4	135.0	135.0	77.7	116.6	135.0	135.0	61.9	92.9	123.8	135.0	135.0
60	93.9	135.0	135.0	69.9	104.9	135.0	135.0	55.7	83.6	111.4	135.0	135.0	
30	108	135.0	135.0	135.0	132.1	135.0	135.0	135.0	105.2	135.0	135.0	135.0	135.0
36		135.0	135.0	135.0	110.1	135.0	135.0	135.0	87.7	131.6	135.0	135.0	135.0
37-3/4		135.0	135.0	135.0	105.0	135.0	135.0	135.0	83.6	125.5	135.0	135.0	135.0
42		126.7	135.0	135.0	94.3	135.0	135.0	135.0	75.2	112.8	135.0	135.0	135.0
48		110.9	135.0	135.0	82.6	123.9	135.0	135.0	65.8	98.7	131.6	135.0	135.0
54		98.6	135.0	135.0	73.4	110.1	135.0	135.0	58.5	87.7	116.9	135.0	135.0
60	88.7	133.1	135.0	66.0	99.1	132.1	135.0	52.6	78.9	105.2	131.6	135.0	
30	114	135.0	135.0	135.0	125.1	135.0	135.0	135.0	99.7	135.0	135.0	135.0	135.0
36		135.0	135.0	135.0	104.3	135.0	135.0	135.0	83.1	124.6	135.0	135.0	135.0
37-3/4		133.6	135.0	135.0	99.4	135.0	135.0	135.0	79.2	118.9	135.0	135.0	135.0
42		120.1	135.0	135.0	89.4	134.1	135.0	135.0	71.2	106.8	135.0	135.0	135.0
48		105.1	135.0	135.0	78.2	117.4	135.0	135.0	62.3	93.5	124.6	135.0	135.0
54		93.4	135.0	135.0	69.5	104.3	135.0	135.0	55.4	83.1	110.8	135.0	135.0
60	84.0	126.1	135.0	62.6	93.9	125.2	135.0	49.9	74.8	99.7	124.6	135.0	
30	119-3/8	135.0	135.0	135.0	119.5	135.0	135.0	135.0	95.2	135.0	135.0	135.0	135.0
36		133.8	135.0	135.0	99.6	135.0	135.0	135.0	79.3	119.0	135.0	135.0	135.0
37-3/4		127.6	135.0	135.0	95.0	135.0	135.0	135.0	75.7	113.5	135.0	135.0	135.0
42		114.7	135.0	135.0	85.4	128.1	135.0	135.0	68.0	102.0	135.0	135.0	135.0
48		100.3	135.0	135.0	74.7	112.1	135.0	135.0	59.5	89.3	119.0	135.0	135.0
54		89.2	133.8	135.0	66.4	99.6	132.8	135.0	52.9	79.3	105.8	132.2	135.0
30	120	135.0	135.0	135.0	118.9	135.0	135.0	135.0	94.7	135.0	135.0	135.0	135.0
36		133.1	135.0	135.0	99.1	135.0	135.0	135.0	78.9	118.4	135.0	135.0	135.0
37-3/4		126.9	135.0	135.0	94.5	135.0	135.0	135.0	75.3	112.9	135.0	135.0	135.0
42		114.1	135.0	135.0	84.9	127.4	135.0	135.0	67.7	101.5	135.0	135.0	135.0
48		99.8	135.0	135.0	74.3	111.5	135.0	135.0	59.2	88.8	118.4	135.0	135.0
54		88.7	133.1	135.0	66.0	99.1	132.1	135.0	52.6	78.9	105.2	131.6	135.0
30	126	135.0	135.0	135.0	113.2	135.0	135.0	135.0	90.2	135.0	135.0	135.0	135.0
36		126.7	135.0	135.0	94.3	135.0	135.0	135.0	75.2	112.8	135.0	135.0	135.0
37-3/4		120.9	135.0	135.0	90.0	135.0	135.0	135.0	71.7	107.5	135.0	135.0	135.0
42		108.6	135.0	135.0	80.9	121.4	135.0	135.0	64.4	96.7	128.9	135.0	135.0
48		95.0	135.0	135.0	70.8	106.2	135.0	135.0	56.4	84.6	112.8	135.0	135.0
54		84.5	126.7	135.0	62.9	94.4	125.8	135.0	50.1	75.2	100.2	125.3	135.0
30	132	135.0	135.0	135.0	108.1	135.0	135.0	135.0	86.1	129.2	135.0	135.0	135.0
36		121.0	135.0	135.0	90.1	135.0	135.0	135.0	71.8	107.6	135.0	135.0	135.0
37-3/4		115.4	135.0	135.0	85.9	128.9	135.0	135.0	68.4	102.6	135.0	135.0	135.0
42		103.7	135.0	135.0	77.2	115.8	135.0	135.0	61.5	92.3	123.0	135.0	135.0
48		90.7	135.0	135.0	67.5	101.4	135.0	135.0	53.8	80.7	107.6	134.5	135.0
54		82.5	125.0	135.0	61.5	92.3	123.0	135.0	53.8	80.7	107.6	134.5	135.0
30	138	125.0	125.0	125.0	103.4	125.0	125.0	125.0	82.4	123.5	125.0	125.0	125.0
36		115.7	125.0	125.0	86.1	125.0	125.0	125.0	68.6	103.0	125.0	125.0	125.0
37-3/4		110.3	125.0	125.0	82.2	123.3	125.0	125.0	65.5	98.2	125.0	125.0	125.0
42		99.2	125.0	125.0	73.8	110.8	125.0	125.0	58.8	88.2	117.7	125.0	125.0
48		86.8	125.0	125.0	64.6	97.0	125.0	125.0	51.5	77.2	103.0	125.0	125.0
54		82.5	125.0	135.0	61.5	92.3	123.0	135.0	53.8	80.7	107.6	134.5	135.0
30	144	125.0	125.0	125.0	99.1	125.0	125.0	125.0	78.9	118.4	125.0	125.0	125.0
36		110.9	125.0	125.0	82.6	123.9	125.0	125.0	65.8	98.7	125.0	125.0	125.0
37-3/4		105.7	125.0	125.0	78.7	118.1	125.0	125.0	62.7	94.1	125.0	125.0	125.0
42		95.0	125.0	125.0	70.8	106.2	125.0	125.0	56.4	84.6	112.8	125.0	125.0
48		83.2	124.8	125.0	61.9	92.9	123.9	125.0	49.3	74.0	98.7	123.3	125.0
54		82.5	125.0	135.0	61.5	92.3	123.0	135.0	53.8	80.7	107.6	134.5	135.0

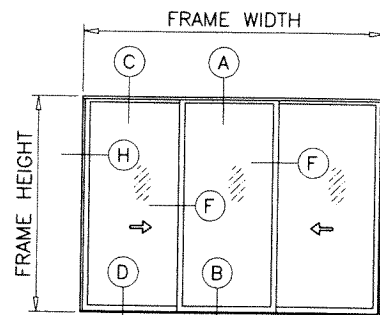
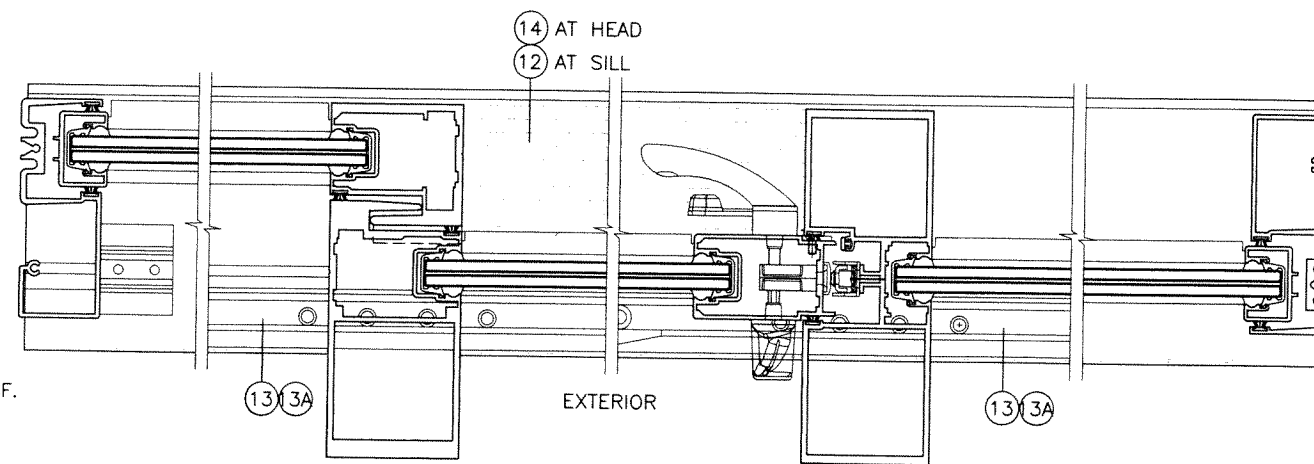
DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'											
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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. (-)	
30	96	135.0	135.0	135.0	135.0	135.0	135.0	118.4	135.0	135.0	135.0	135.0	135.0
36		134.0	135.0	135.0	127.8	135.0	135.0	135.0	94.1	135.0	135.0	135.0	135.0
37-3/4		127.8	135.0	135.0	114.9	135.0	135.0	135.0	84.6	126.9	135.0	135.0	135.0
42		114.9	135.0	135.0	100.5	135.0	135.0	135.0	74.0	111.0	135.0	135.0	135.0
48		100.5	135.0	135.0	89.3	134.0	135.0	135.0	65.8	98.7	131.6	135.0	135.0
54		89.3	134.0	135.0	80.4	120.6	135.0	135.0	59.2	88.8	118.4	135.0	135.0
60	80.4	120.6	135.0	74.3	111.5	135.0	135.0	59.2	88.8	118.4	135.0	135.0	
30	102	135.0	135.0	135.0	135.0	135.0	135.0	135.0	111.4	135.0	135.0	135.0	135.0
36		126.1	135.0	135.0	120.3	135.0	135.0	135.0	92.9	135.0	135.0	135.0	135.0
37-3/4		120.3	135.0	135.0	108.1	135.0	135.0	135.0	88.6	132.8	135.0	135.0	135.0
42		108.1	135.0	135.0	94.6	135.0	135.0	135.0	79.6	119.4	135.0	135.0	135.0
48		94.6	135.0	135.0	84.1	126.1	135.0	135.0	69.6	104.5	135.0	135.0	135.0
54		84.1	126.1	135.0	75.7	113.5	135.0	135.0	61.9	92.9	123.8	135.0	135.0
60	75.7	113.5	135.0	69.9	104.9	135.0	135.0	55.7	83.6	111.4	135.0	135.0	
30	108	135.0	135.0	135.0	132.1	135.0	135.0	135.0	105.2	135.0	135.0	135.0	135.0
36		119.1	135.0	135.0	113.6	135.0	135.0	135.0	87.7	131.6	135.0	135.0	135.0
37-3/4		113.6	135.0	135.0	102.1	135.0	135.0	135.0	83.6	125.5	135.0	135.0	135.0
42		102.1	135.0	135.0									



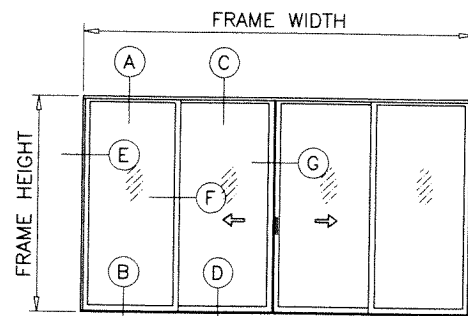
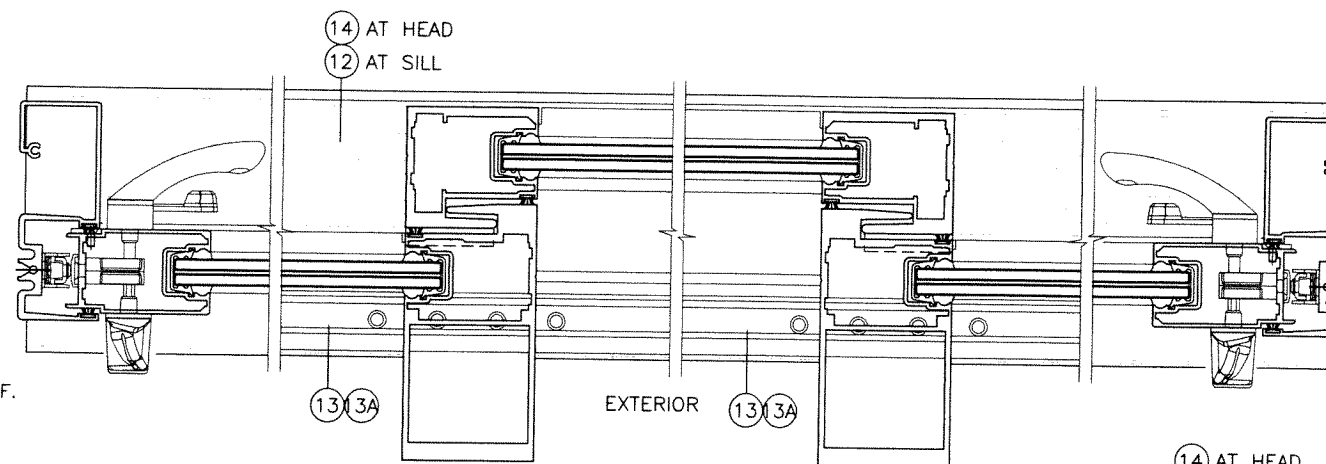
**OX (SHOWN)
XO**
LIMIT MAX. DESIGN LOADS TO ±125 PSF.



OXO
LIMIT MAX. DESIGN LOADS TO ±125 PSF.

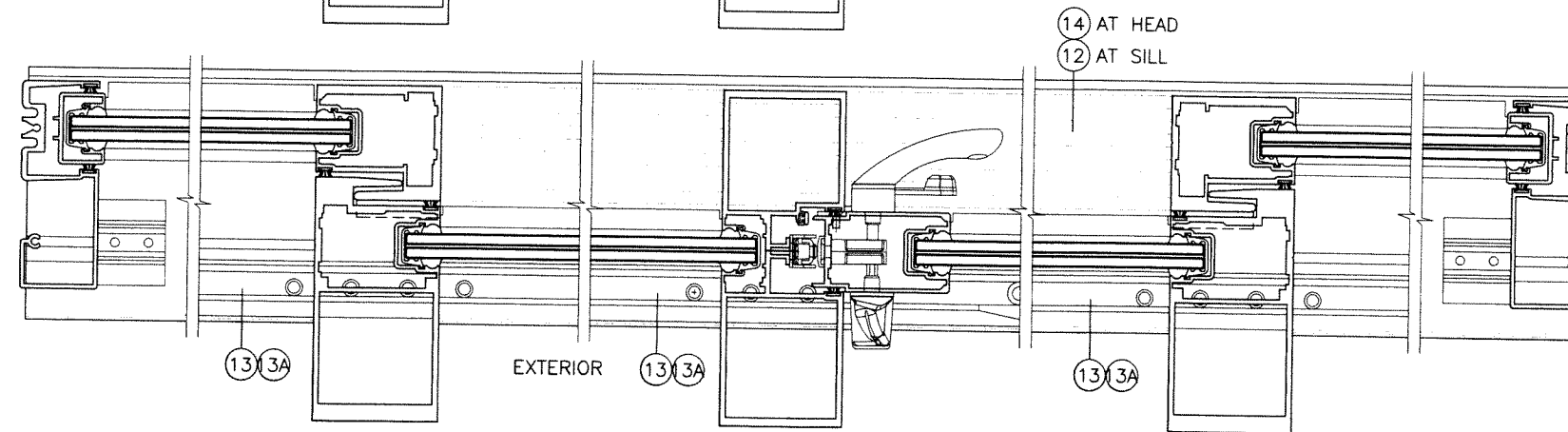


XOX (SHOWN)
LIMIT MAX. DESIGN LOADS TO ±125 PSF.



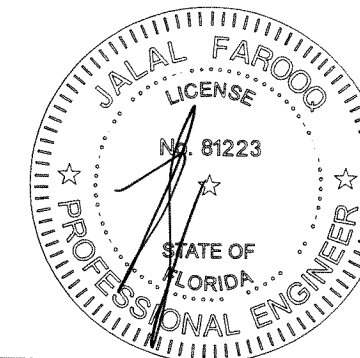
OXOX
APPROVED CONFIGURATIONS

SEE APPLICABLE ELEVATIONS AND MAX. SIZE
SHEET 2 (ANCHORED JAMB UNIT)
SHEET 7 (FREE JAMB UNIT)



NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION ONLY.
SEE ANCHORS INSTALLATION DETAILS ON SHEETS 12 THRU 16.
FOR FREE STANDING JAMBS DETAILS SEE SHEET 17.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Perez*
Miami-Dade Product Control



APR 20 2026

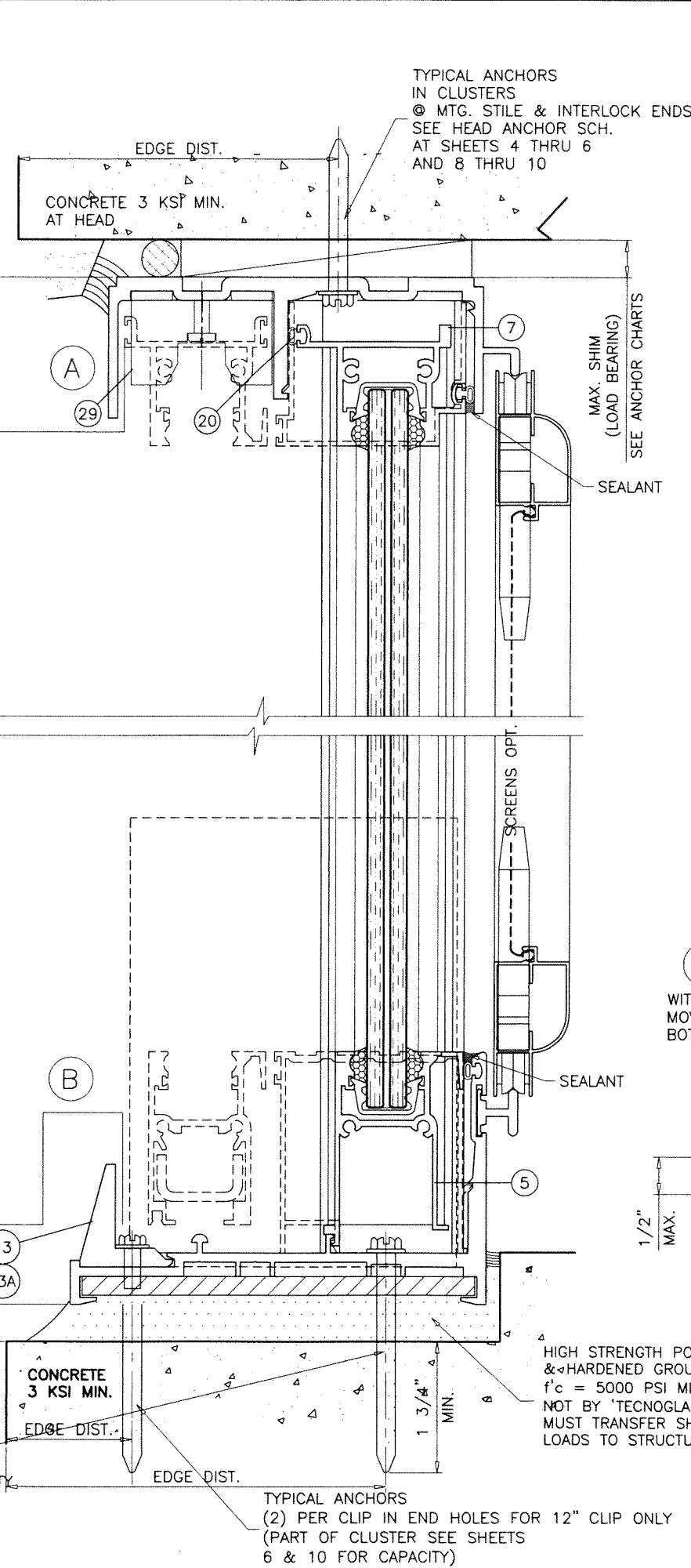
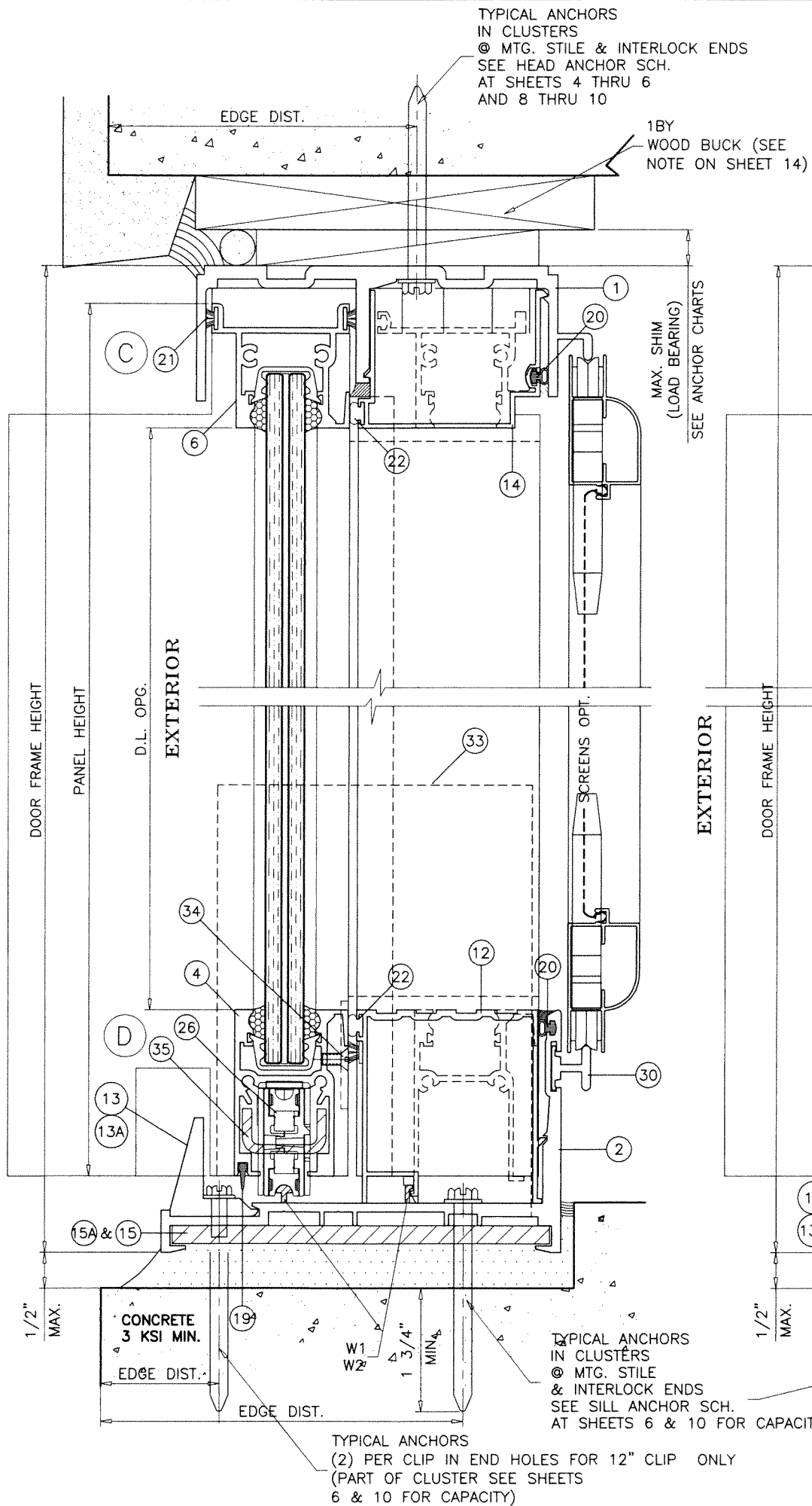
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no.	date	description
G	05.28.19	NO CHANGE THIS SHEET
H	09.16.19	NO CHANGE THIS SHEET
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

date: 03-20-08
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W08-29
sheet 11 of 21



SEALANTS:

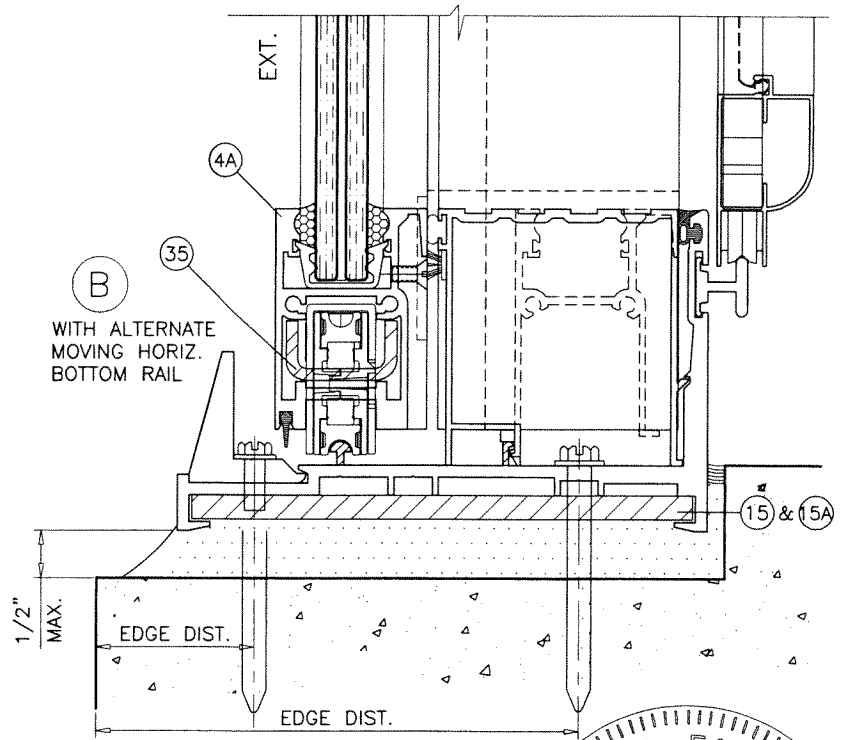
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.

LOCKS:

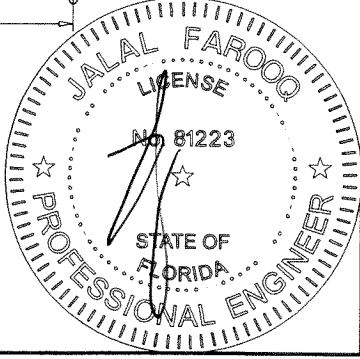
SURFACE MOUNT THREE PLY HOOK LOCK BY 'INTERLOCK' AT 41-1/2" FROM BOTTOM WITH WITH KEEPERS AT LOCK POSITION.

WEEPS:

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



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By: *Manuel Perez*
Miami-Dade Product Control
APR 20 2026



af c
AL-FAROOQ CORPORATION
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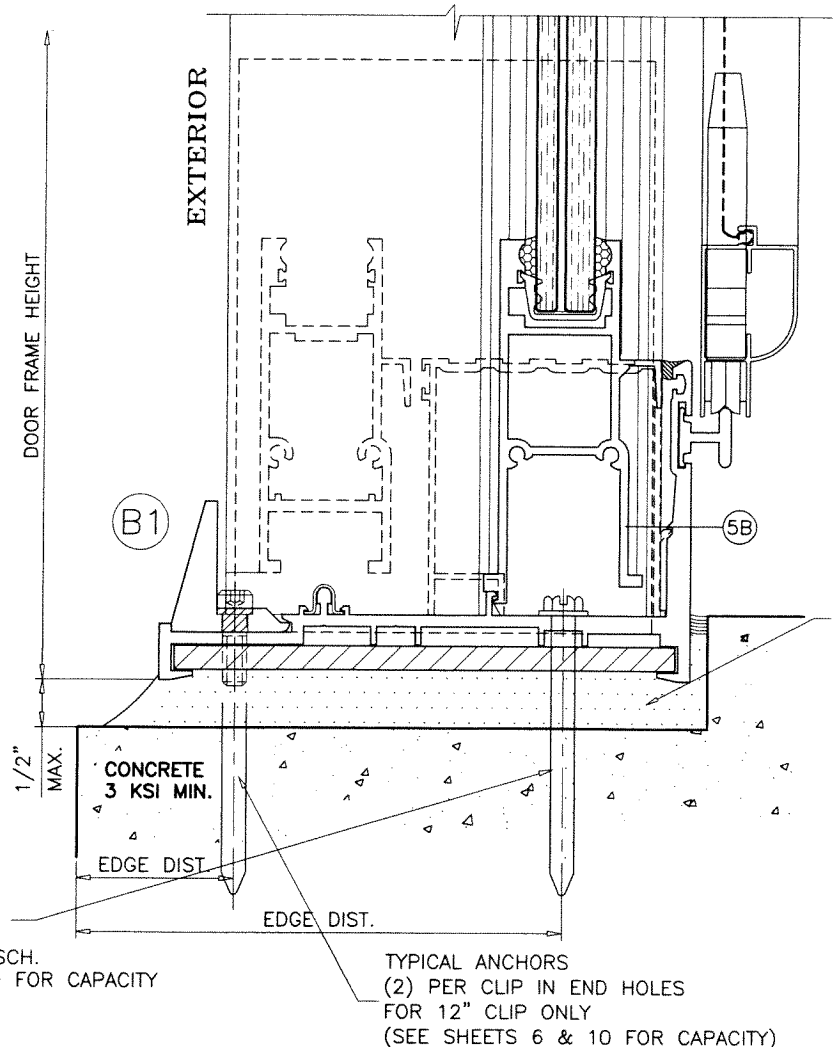
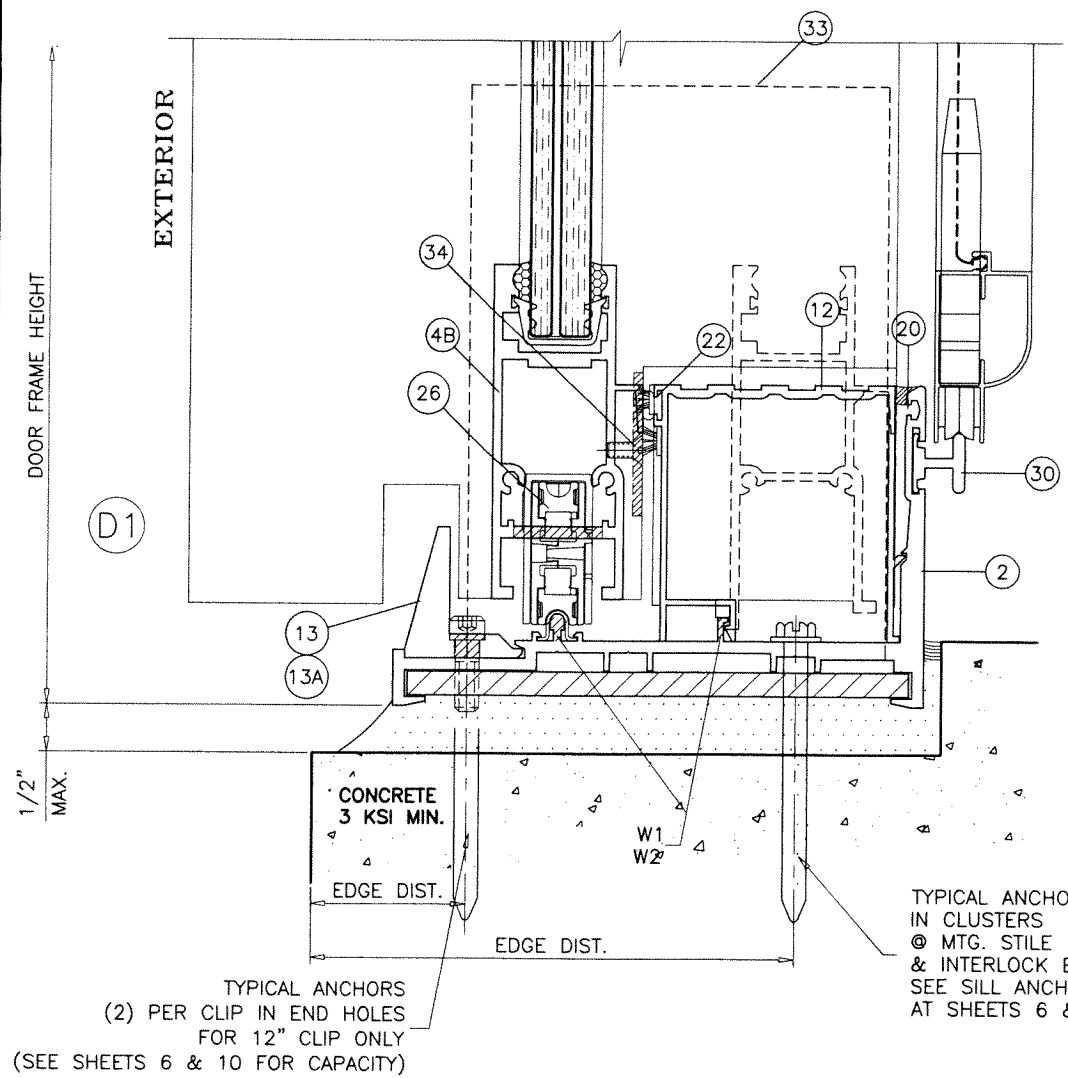
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
C	05.28.19	NO CHANGE THIS SHEET
H	09.16.19	NO CHANGE THIS SHEET
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

revisions:

date: 03-20-08
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

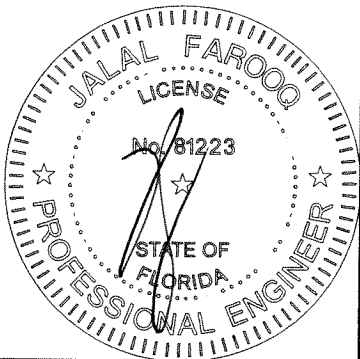
drawing no. **W08-29**
sheet 12 of 21



HIGH STRENGTH POURED & HARDENED GROUT
 f'c = 5000 PSI MIN.
 NOT BY 'TECNOGLASS'
 MUST TRANSFER SHEAR LOADS TO STRUCTURE

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Perez*
 Miami-Dade Product Control

APR 20 2026



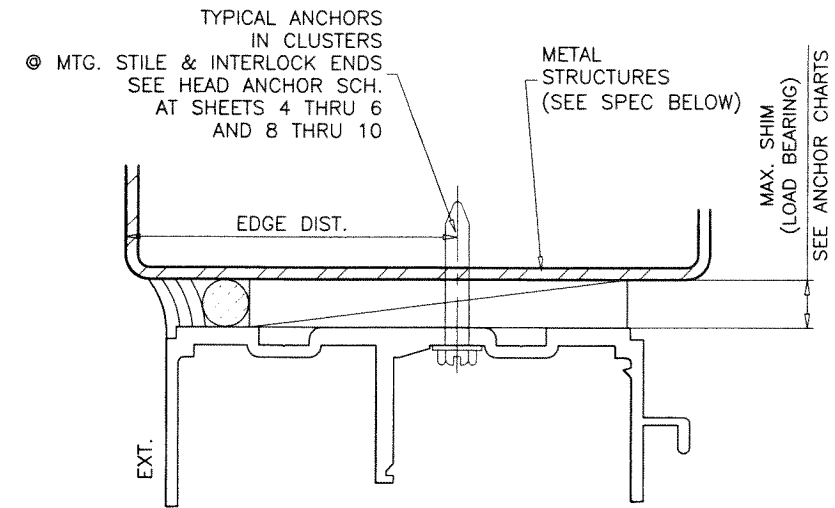
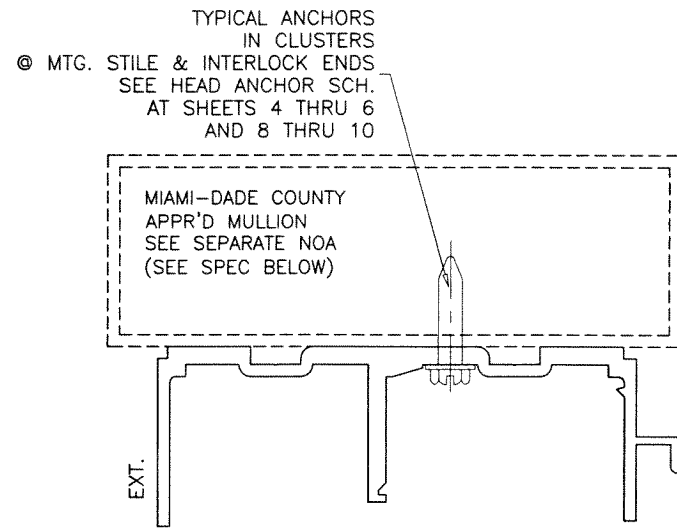
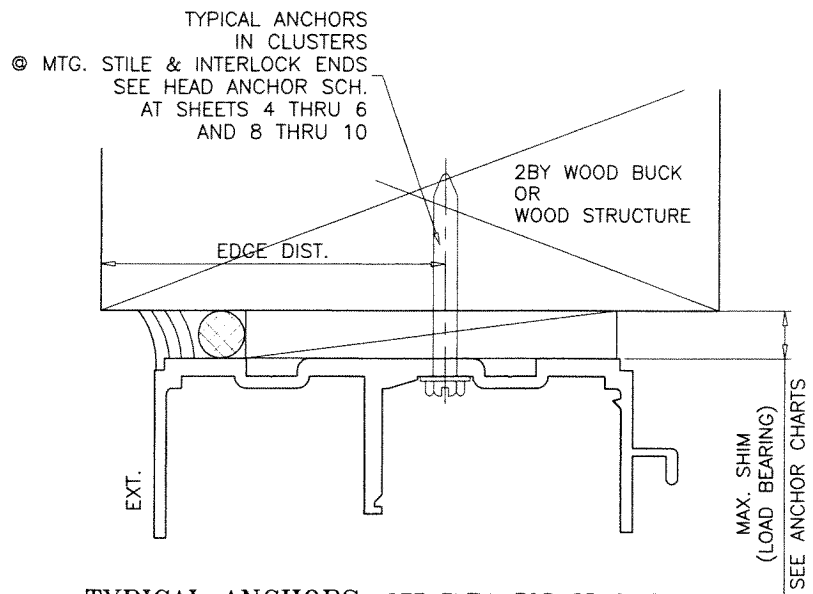
af c
AL-FAROOQ CORPORATION
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revisions:	no	date	description
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	I	03.08.21	UPDATED TO 2020 FBC
	J	10.10.24	NO CHANGE THIS SHEET

date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:

drawing no. **W08-29**
 sheet 13 of 21



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— AT HEAD —

TYPE 'A'— 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 1-7/8" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONCRETE
 1-1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'— 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE

TYPE 'C'— 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

— AT SILL —

TYPE 'D'— 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE

— AT JAMBS —

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 1-7/8" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONC. OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

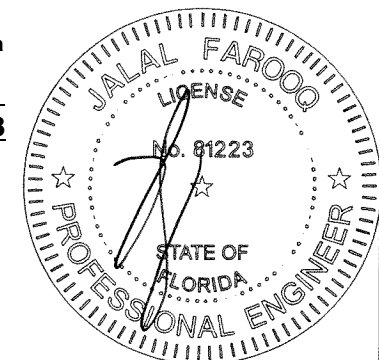
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

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

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 Miami-Dade Product Control

APR 20 2026



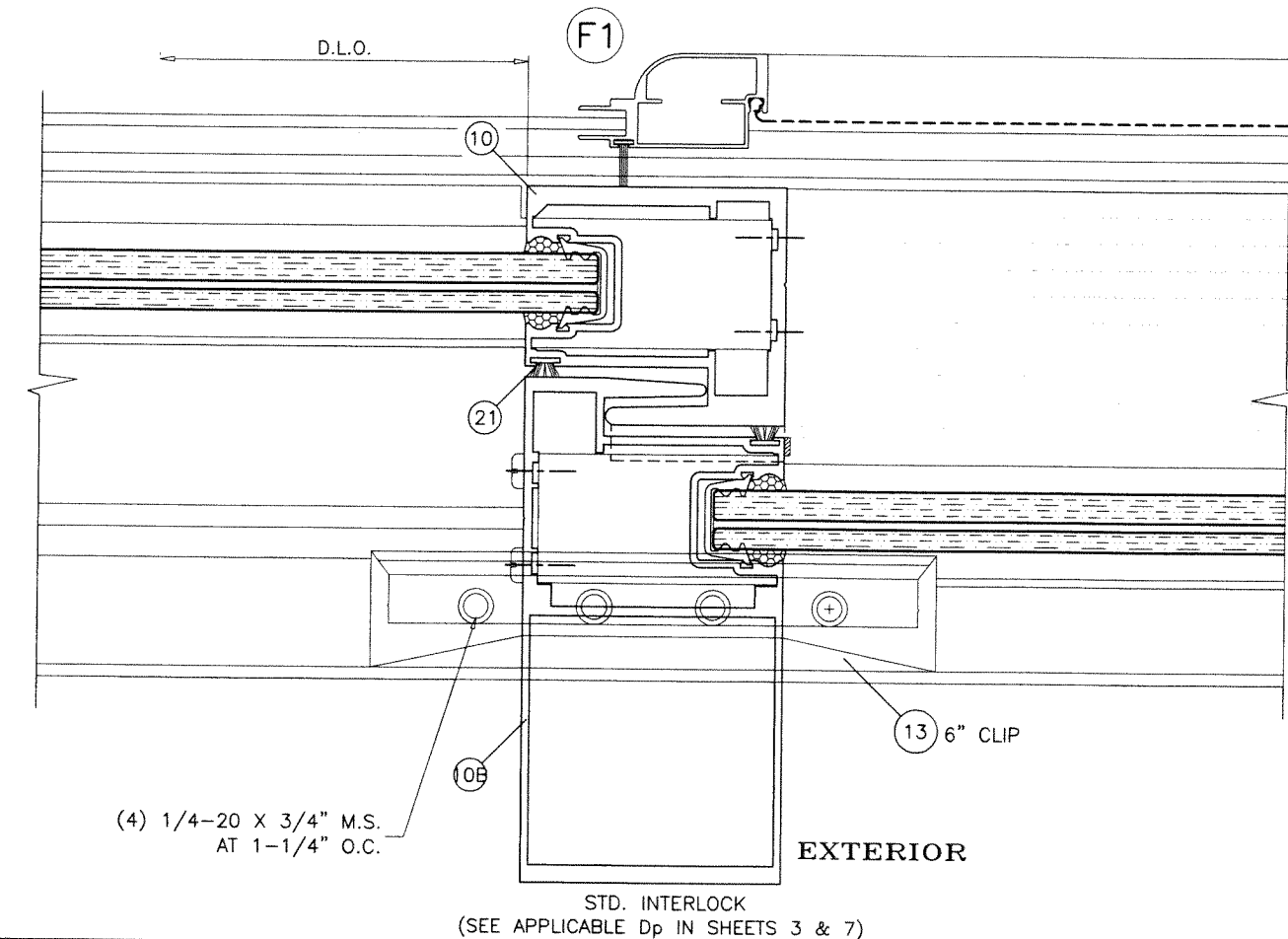
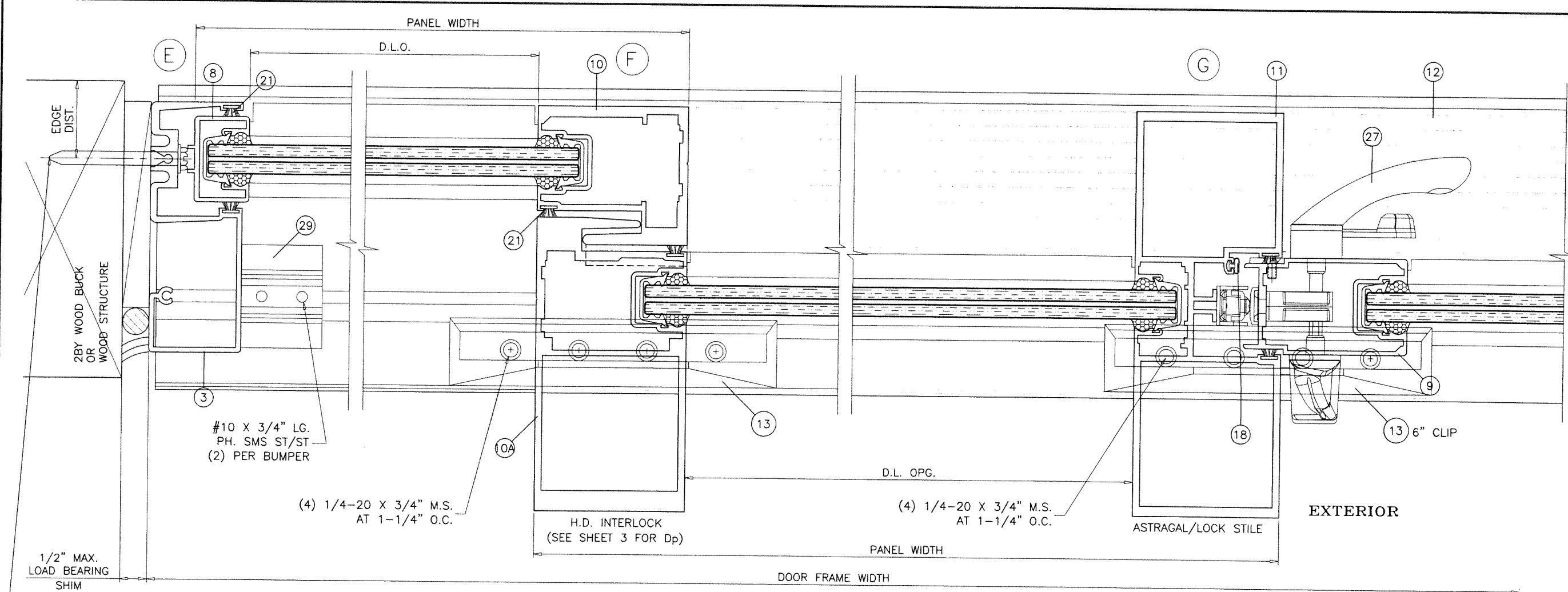
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

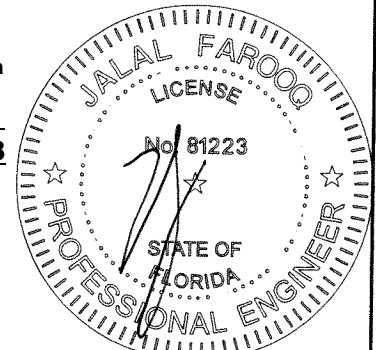
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I	03.08.21 UPDATED TO 2020 FBC
J	10.10.24 NO CHANGE THIS SHEET

date: 03-20-08
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W08-29
 sheet 14 of 21



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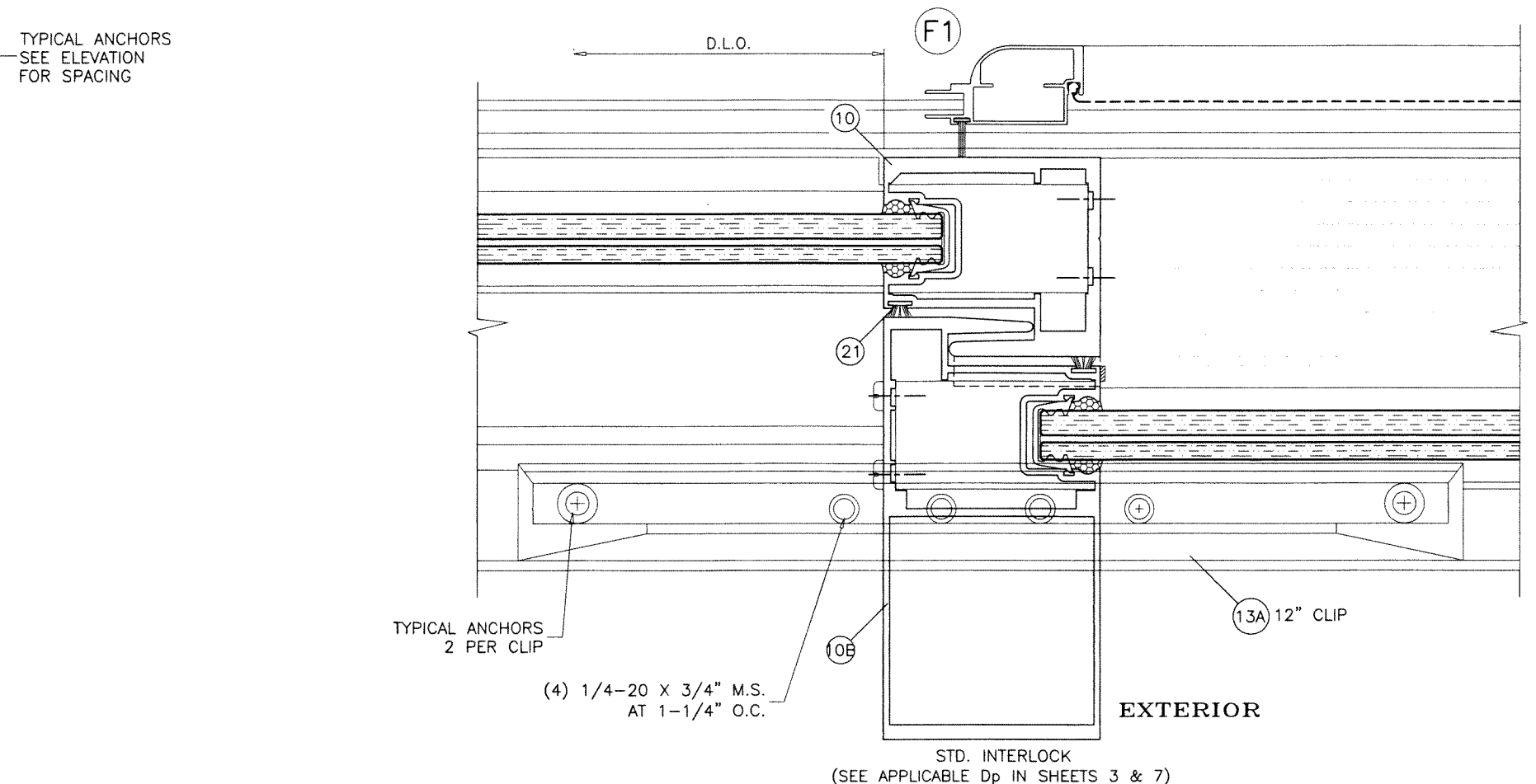
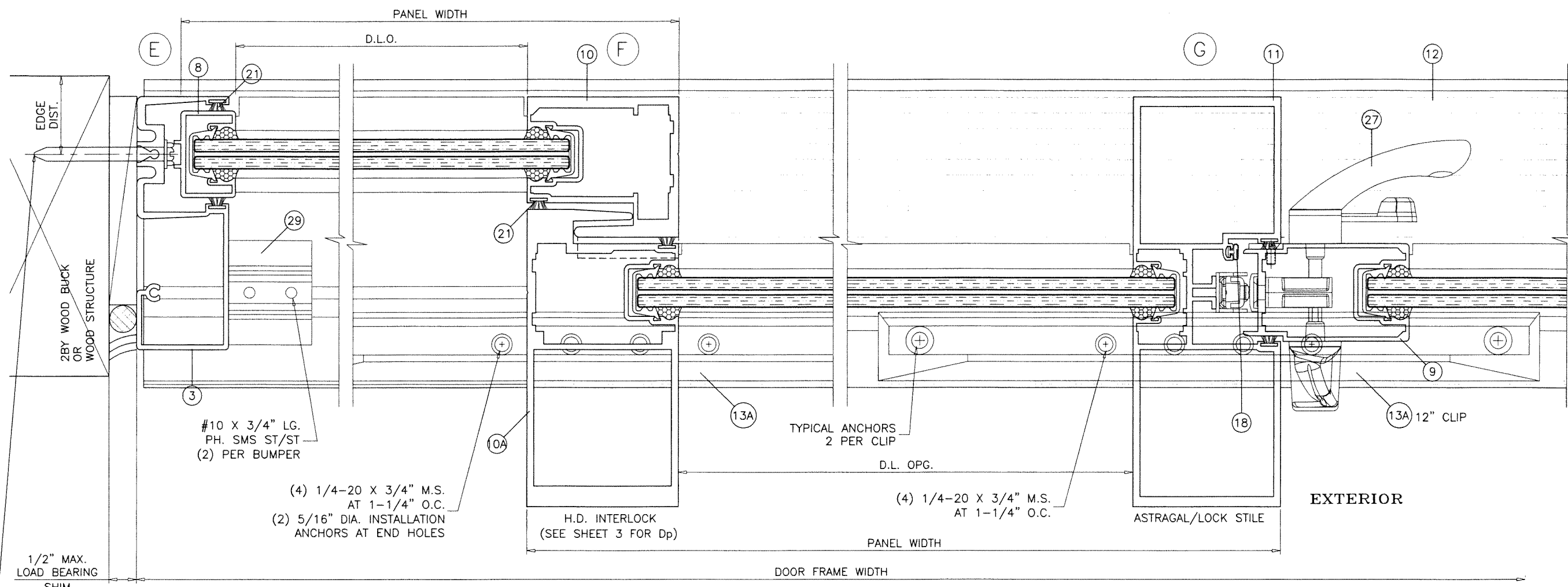


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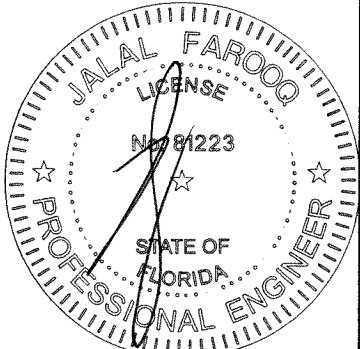
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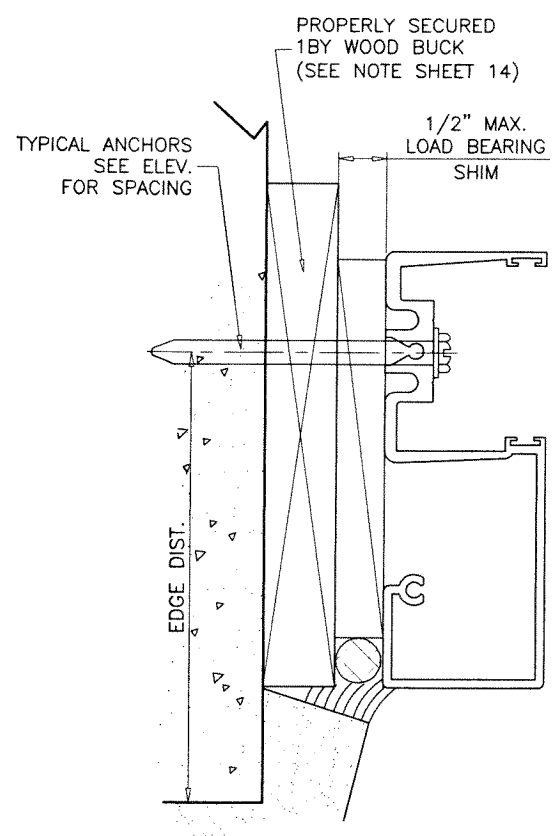
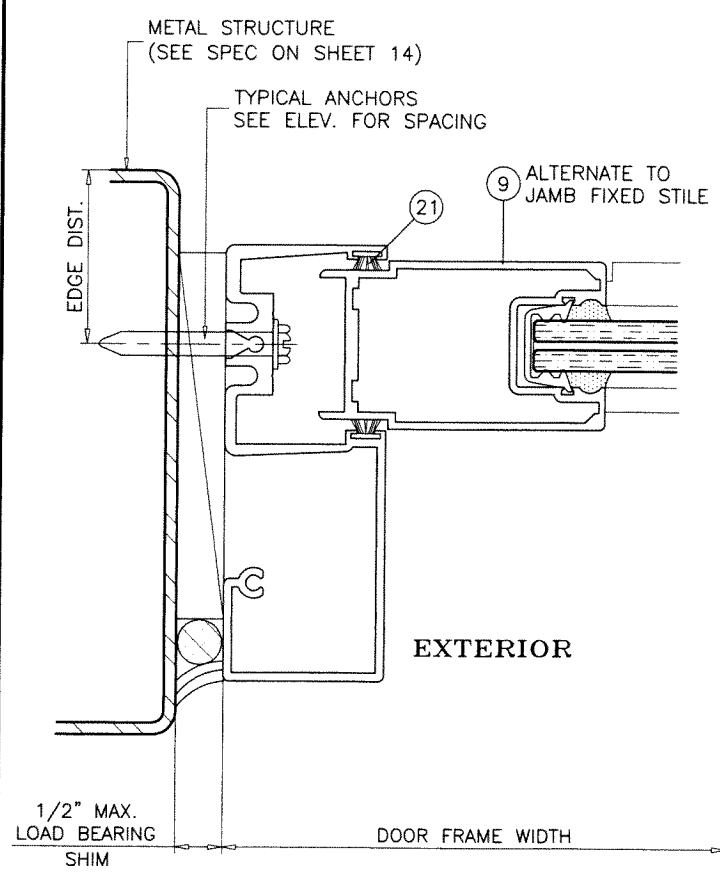
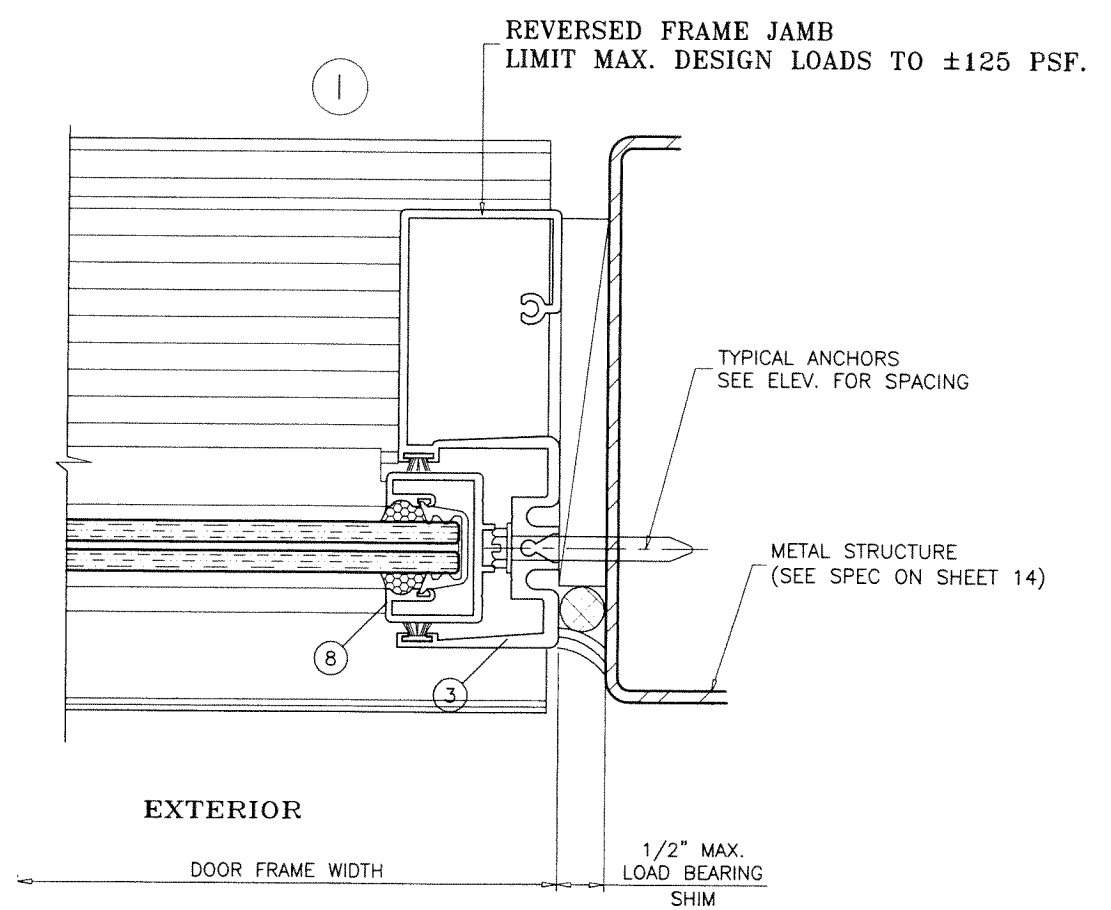
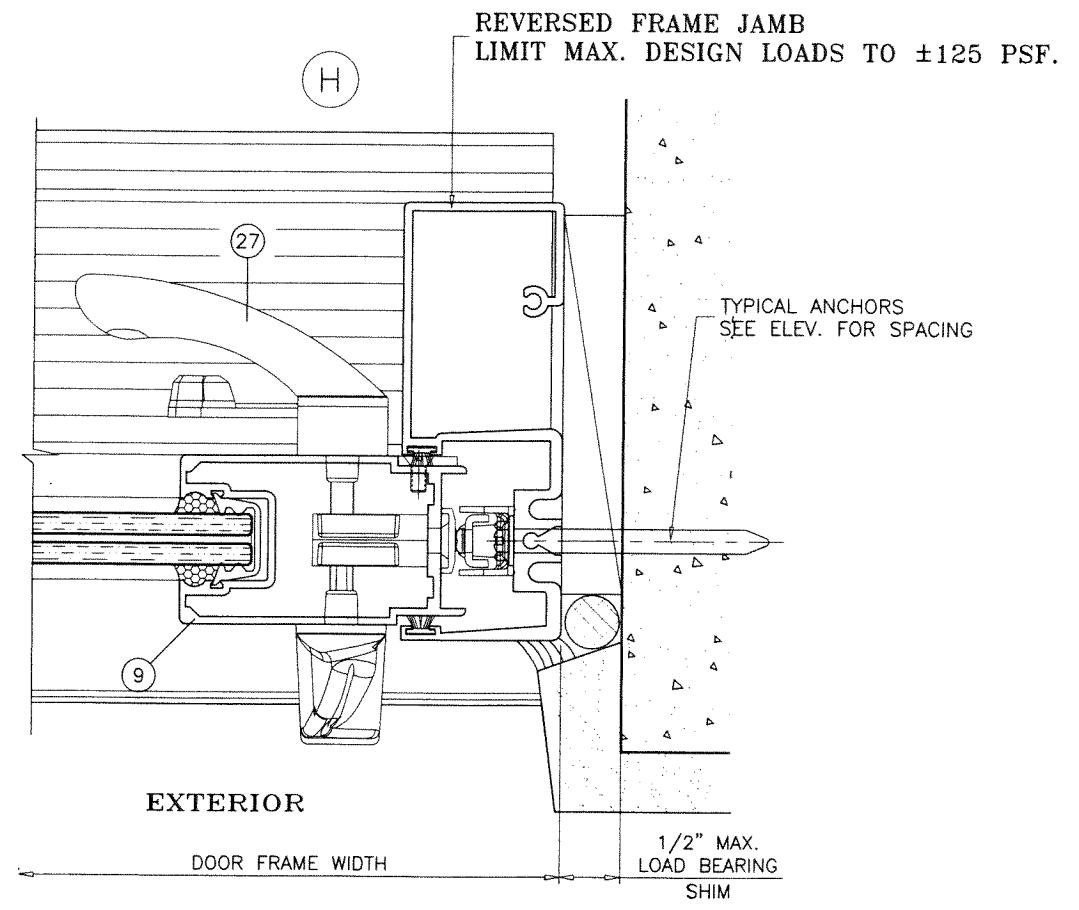
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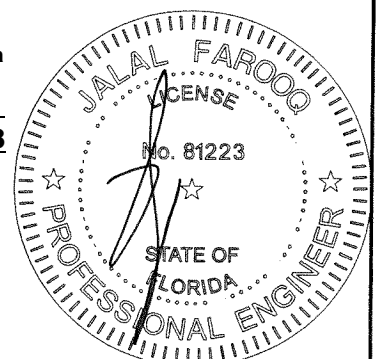
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 sheet 15.1 of 21



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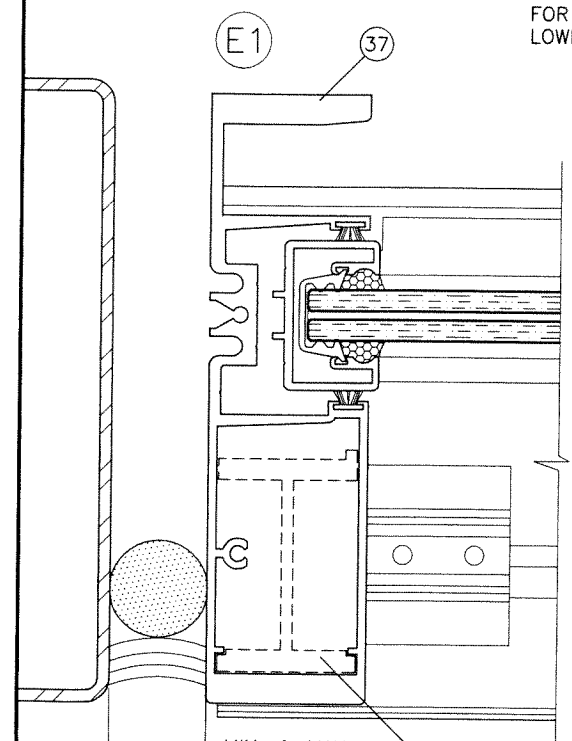
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drawing no.
W08-29

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FREE STANDING JAMB CAPACITY			
MAX. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	WITHOUT STIFFENER	WITH STIFFENER
		EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
60	114	100.0	100.0
54	126	111.1	111.1
48	138	125.0	125.0
37-3/4	144	125.0	125.0
44		123.0	125.0
48		112.8	119.1

FOR DOOR CAPACITY SEE CHART ON SHEET 7
 LOWER D_p SHALL CONTROL

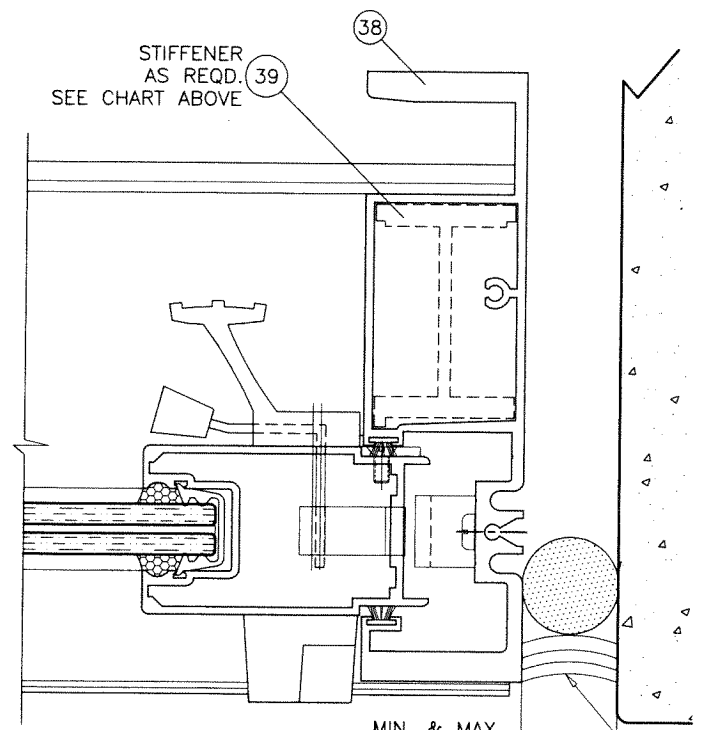


39 STIFFENER
 AS REQD.
 SEE CHART ABOVE

Ix IN ⁴	Sx IN ³
.7320	.6095

**FREE STANDING JAMB
 FIXED SIDE**

Ix IN ⁴	Sx IN ³
13.025	4.031



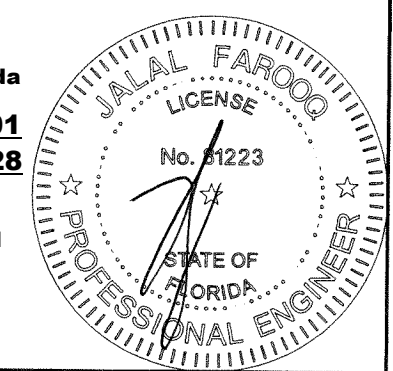
EXTERIOR

**FREE STANDING JAMB
 OPERABLE SIDE**

Ix IN ⁴	Sx IN ³
13.336	4.051

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	5/16"	3/4"
108"	3/8"	3/4"
120"	7/16"	3/4"
144"	1/2"	3/4"

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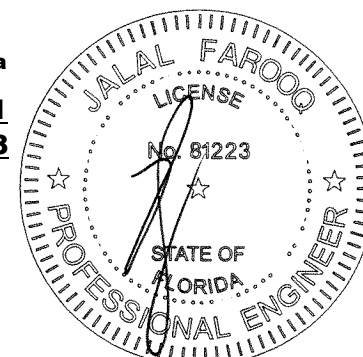
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	2400ST-038	1	FRAME HEAD	6063-T6/6005-T5	-
1B	2400ST-066	1	ALT. FRAME HEAD	6063-T6/6005-T5	-
1C	2400ST-066A	1	ALT. FRAME HEAD	6063-T6/6005-T5	-
2	2400ST-039	1	FRAME SILL	6005-T5	-
2A	2400ST-082A	1	ALT. FRAME SILL	6005-T5	-
3	2400ST-042	2	FRAME JAMB	6063-T6	-
4	2400ST-008	1/MOV. PANEL	STD. BOTTOM RAIL (MOVING)	6063-T6	-
4A	2400ST-069	1/MOV. PANEL	ALTERNATE STD. BOTTOM RAIL (MOVING)	6063-T6	-
4B	2400ST-084	1/MOV. PANEL	HI-RISE BOTTOM RAIL (MOVING)	6063-T6	-
5	2400ST-009	1/FIX. PANEL	STD. BOTTOM RAIL (FIXED)	6063-T6	-
5B	2400ST-085	1/FIX. PANEL	HI-RISE BOTTOM RAIL (FIXED)	6063-T6	-
6	2400ST-006	1/MOV. PANEL	TOP MOVING RAIL	6063-T6	-
7	2400ST-007	1/FIX. PANEL	TOP FIXED RAIL	6063-T6	-
8	2400ST-004	1/FIX. PANEL	JAMB FIXED STILE	6063-T6	-
9	2400ST-002	1	JAMB FIX. STILE/LOCK STILE	6063-T6	-
10	2400ST-037	1/ PANEL	INTERIOR INTERLOCK	6005-T5	-
10A	2400ST-061	1/ PANEL	H.D. EXTERIOR INTERLOCK	6005-T5	-
10B	2400ST-062	1/ PANEL	STD. EXTERIOR INTERLOCK	6005-T5	-
11	2400ST-063	1	MEETING STILE	6005-T5	-
12	2400ST-012	1	THRESHOLD FILLING TRACK (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
13	2400ST-011	-	SILL TRACK ANCHOR CLIP, 6" LONG	6005-T5	-
13A	2400ST-011	-	SILL TRACK ANCHOR CLIP, 12" LONG	6005-T5	-
14	2400ST-019	1	HEAD ADAPTER (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
15	2400ST-031	2	SILL TRACK PLATE (5-1/4" X 1/4" X 5" LONG)	6063-T6	AT EACH END
15A	2400ST-031	AS REQD.	SILL TRACK PLATE (5-1/4" X 1/4" X 10" LONG)	6063-T6	AT INTERLOCK/ASTRAGAL STILES
17	#10 X 1/2"	-	WEATHERSTRIP FASTENERS	ST/ST	-
18	V-027	-	BULB W'STRIPPING	TPE	DUROMETER 75±5 SHORE "A"
19	V-019	-	FLAP WEATHER SEAL	TPE	DUROMETER 75±5 SHORE "A"
20	V-026	-	BULB W'STRIPPING	TPE	DUROMETER 75±5 SHORE "A"
21	W31265NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
22	Q250X270	-	Q-LON W'STRIPPING	-	SCHLEGEL
24	V-017	AS REQD.	GLAZING GASKET (9/16" GLASS)	TPE	DUROMETER 75±5 SHORE "A", MELTPOINT PLASTICS
26	-	2/MOV. PANEL	TANDEM PLASTIC WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
27	PS01-0001	1	STANDARD SLIDE SET LOCK	-	INTERLOCK
28	-	1	LOCK KEEPER	-	-
29	P-046	AS REQD.	COMMERCIAL SERIES S.G.D. BUMPER @ 2400ST-066, 1-1/2" LONG	PVC	-
30	2400ST-040	AS REQD.	INSIDE SCREEN TRACK	6063-T6	-
31	#10 X 1-1/2"	2/ PANEL	PANEL ASSBY. SCREWS	ST/ST	PH SMS
32	#10 X 1"	2/ CORNER	FRAME ASSBY. SCREWS	-	PH SMS
33	-	2	4-1/4" X .060" X 6" LONG PLATE	6063-T6	AT FRAME JAMB BOTTOM
34	-	-	5/8" X 1-1/2" X .1" PLATE @ LOCK STILE BOTTOM	6063-T6	FASTENED W/ #8 X 3/8" FH SMS
35	-	1/ MOV. PANEL	5/8" X 1-1/8" X 5/8" X 1/8" CHANNEL (LENGTH = PANEL WIDTH - 10")	ST/ST	Fy = 36 KSI MIN.
37	2400ST-071	AS REQD.	FREE STANDING JAMB (FIX. SIDE)	6005-T5	-
38	2400ST-072	AS REQD.	FREE STANDING JAMB (OPERABLE SIDE)	6005-T5	-
39	2400ST-086	AS REQD.	JAMB STIFFENER	6005-T5	-


LOCKS:

THREE PLY METALLIC FOUR POINT LOCK SYSTEM WITH SURFACE MOUNT METALLIC HANDLE AT 41" FROM BOTTOM.
 LOCK FASTENED WITH (8) #10 X 1" PH SMS AND HANDLE FASTENED WITH (2) #8 X 2-3/8" OH MACHINE SCREWS.
 SURFACE MOUNT METALLIC KEEPERS AT 14", 41" AND 68" FROM BOTTOM
 FASTENED WITH (2) #10 X 3/4" PH SMS.

NOTE:
 ITEM 15 IS USED AT EACH END OF THE DOOR (JAMB) AND ITEM 15A IS USED AT THE INTERLOCK/ASTRAGAL STILES.

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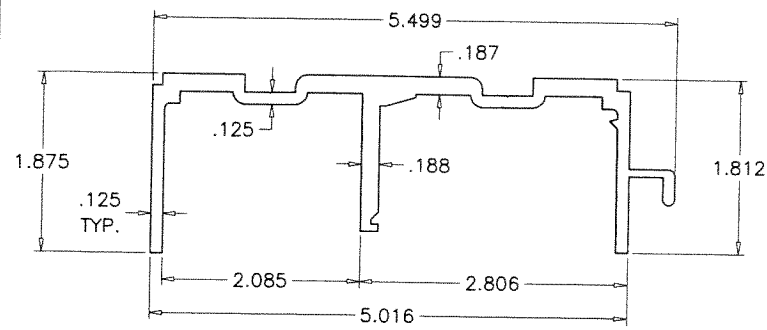
AL-FAROOQ CORPORATION
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SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

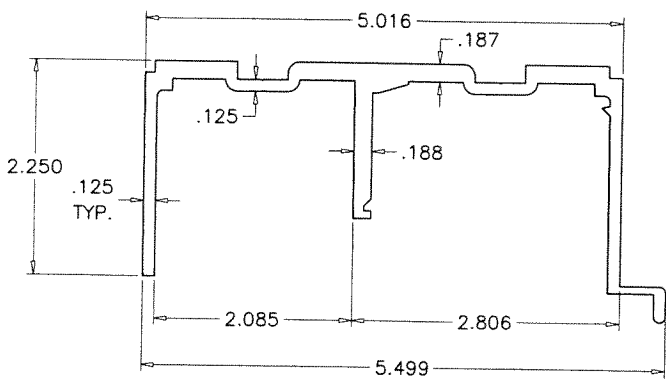
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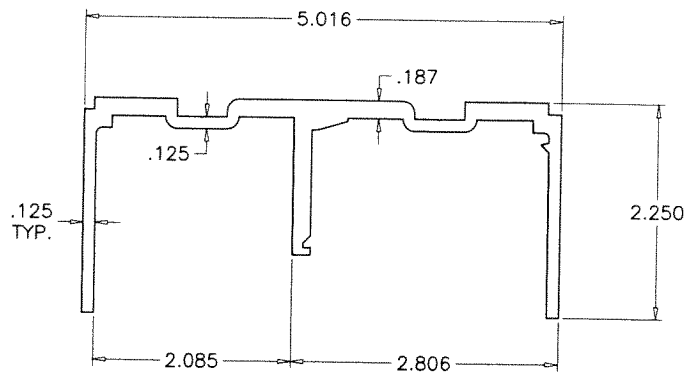
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sheet 18 of 21			



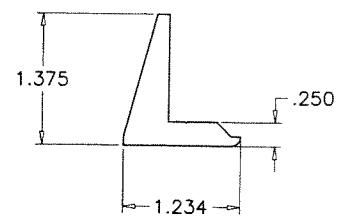
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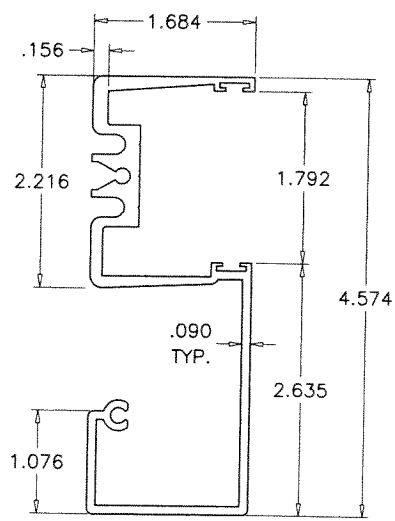
1B ALT. FRAME HEAD (2400ST-066)



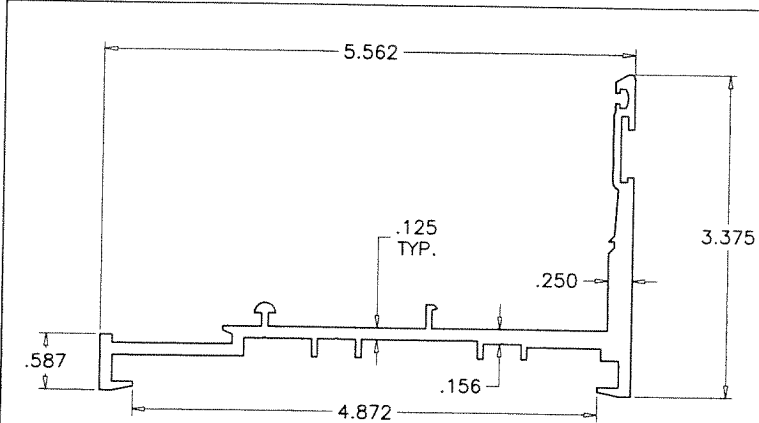
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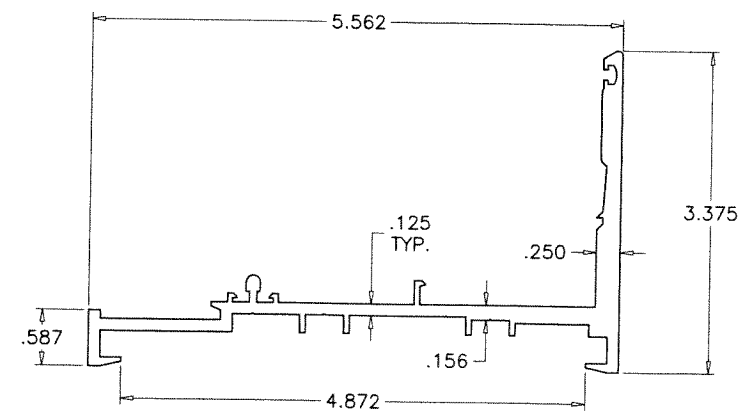
13 SILL ANCHOR (2400ST-011)



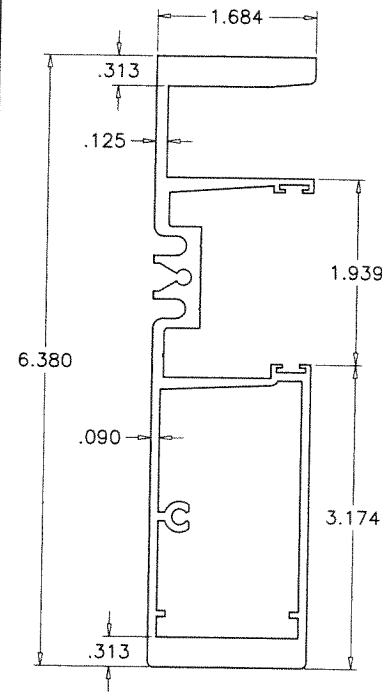
3 FRAME JAMB (2400ST-042)



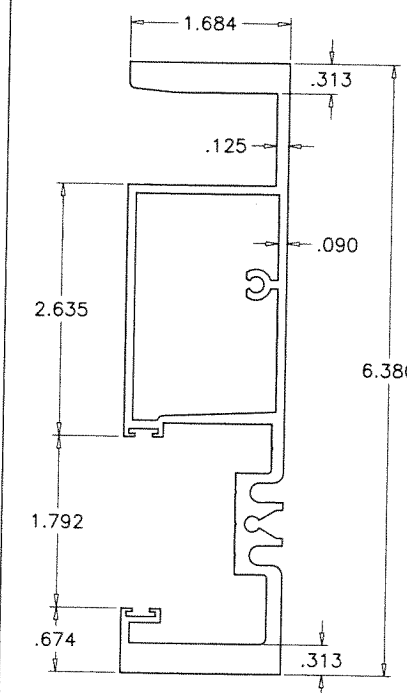
2 FRAME SILL (2400ST-039)



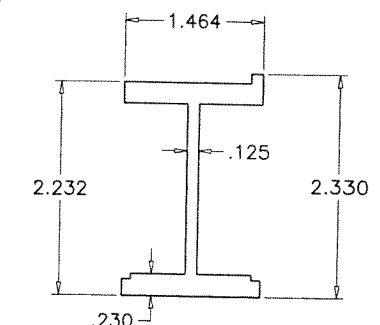
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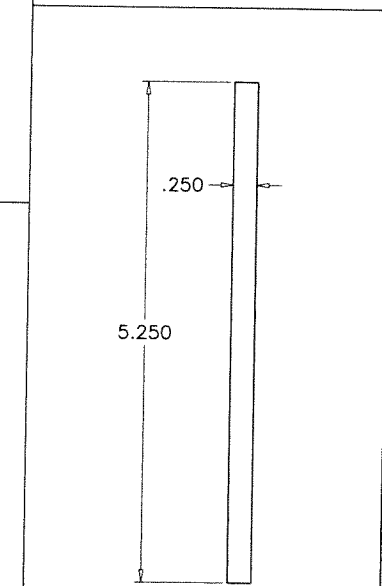
37 FREE STANDING FRAME JAMB FIXED SIDE



38 FREE STANDING FRAME JAMB OPERABLE SIDE

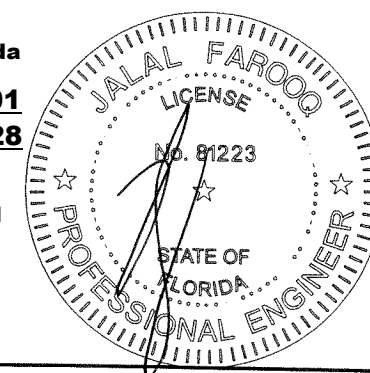


39 JAMB STIFFENER



15 15A SILL TRACK PLATE

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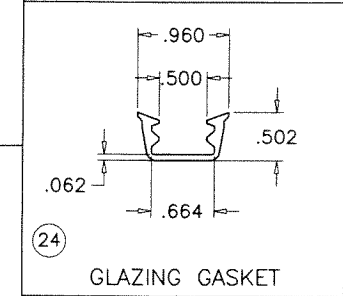
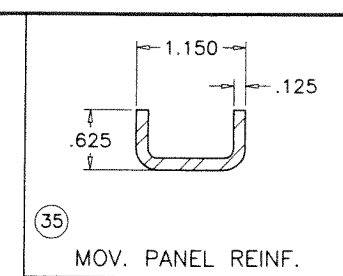
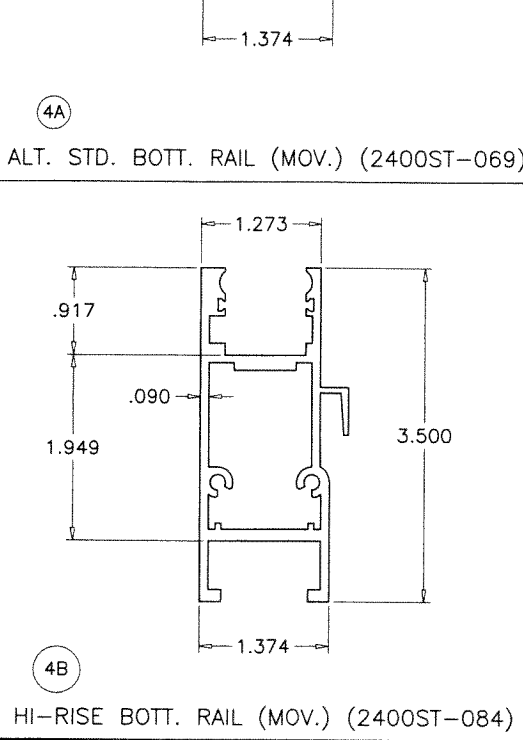
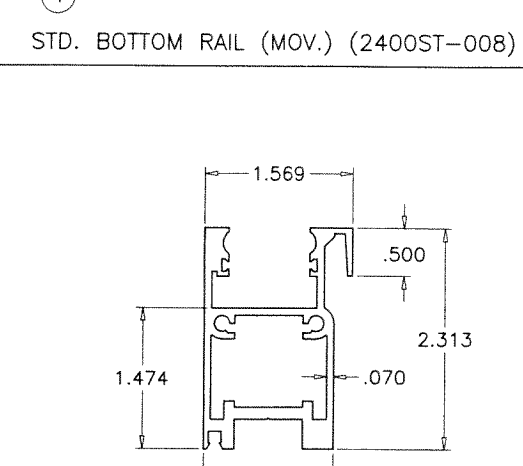
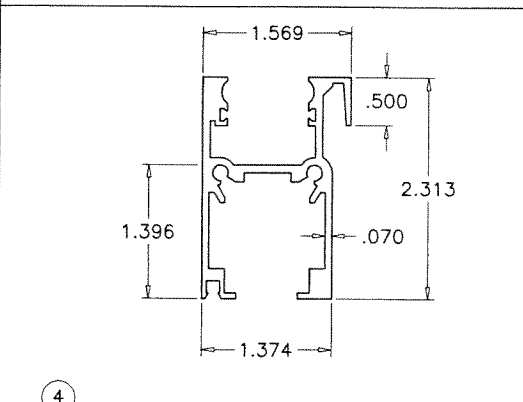
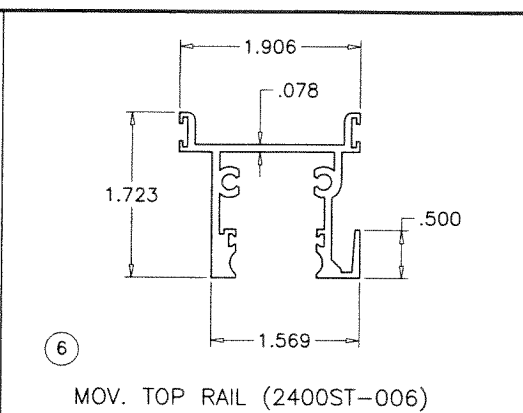
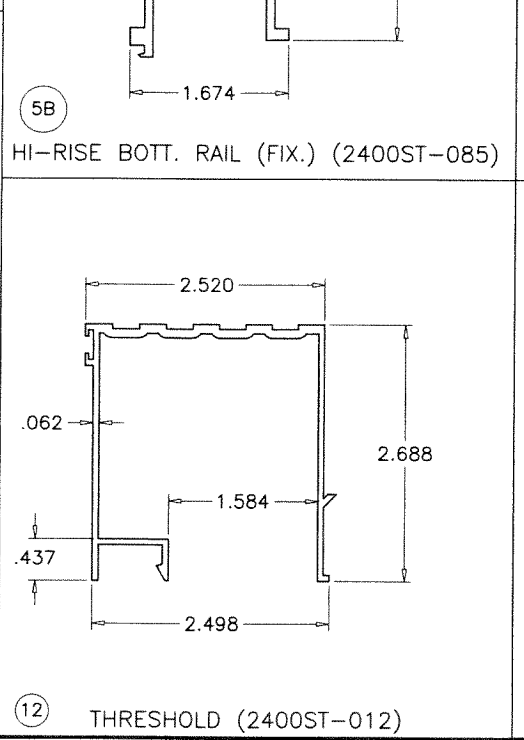
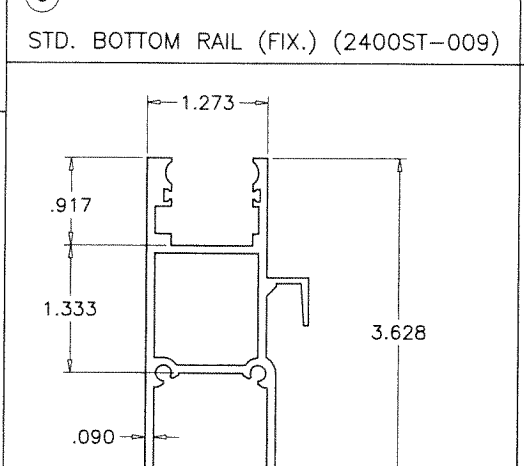
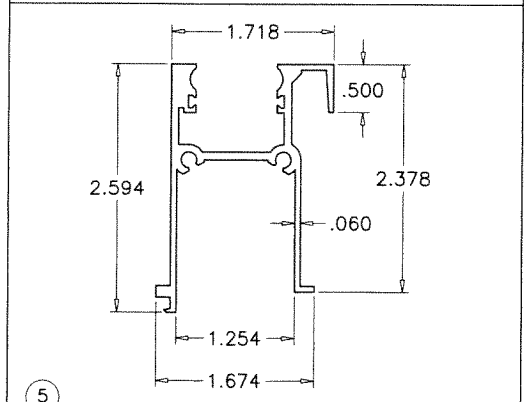
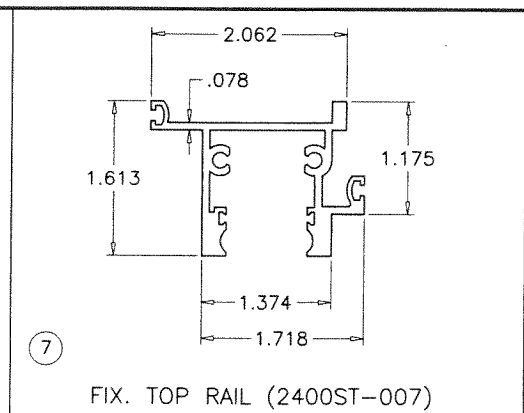
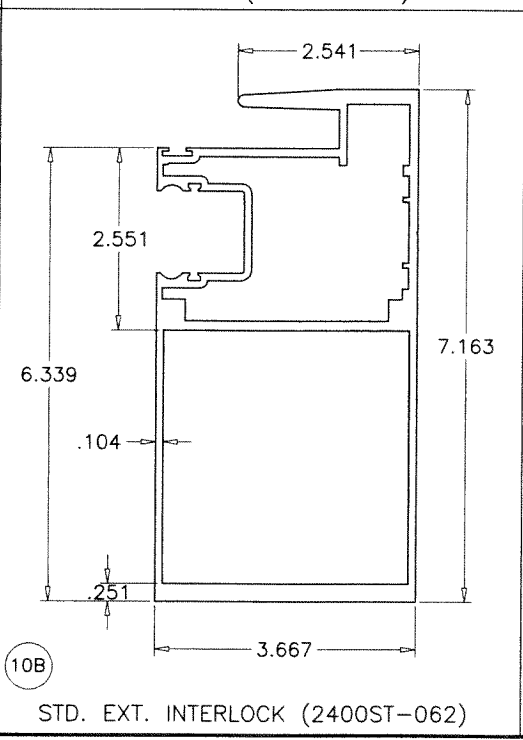
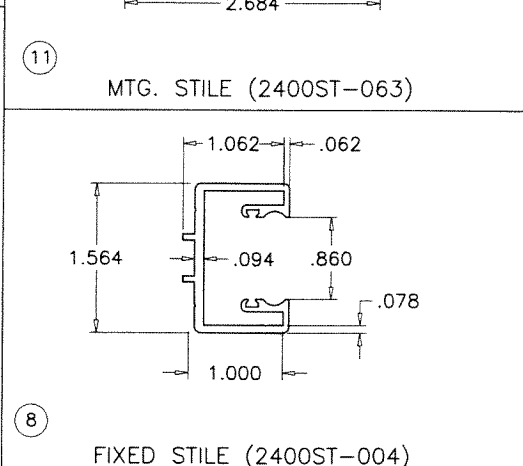
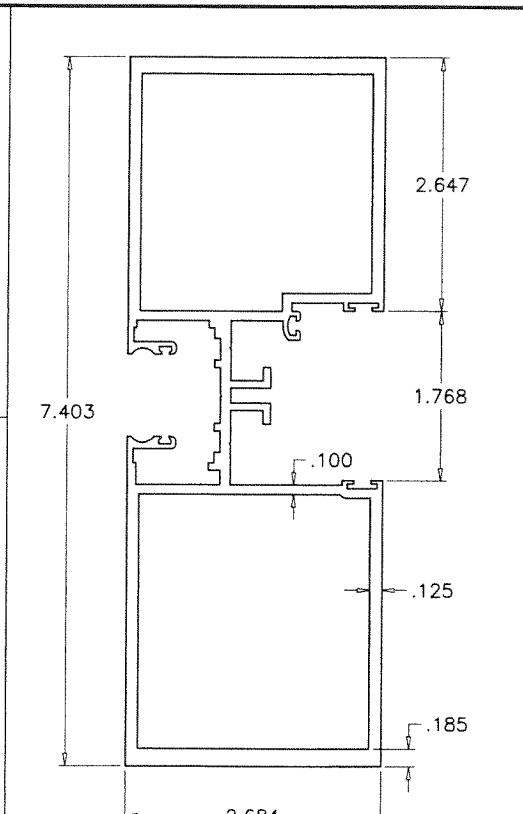
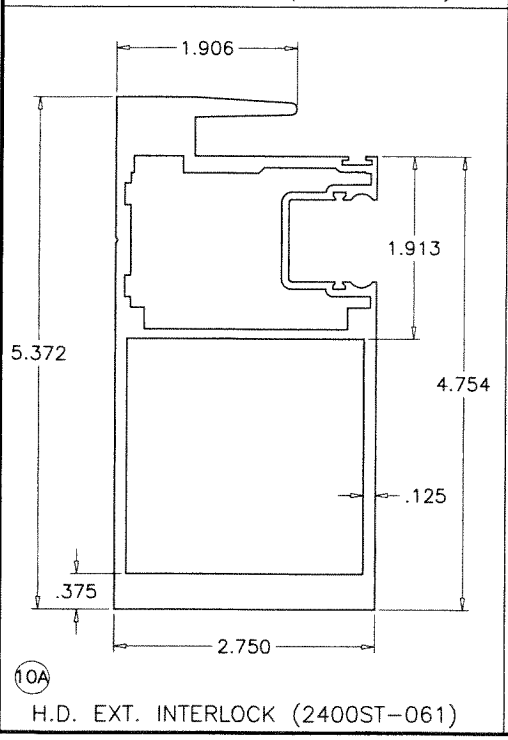
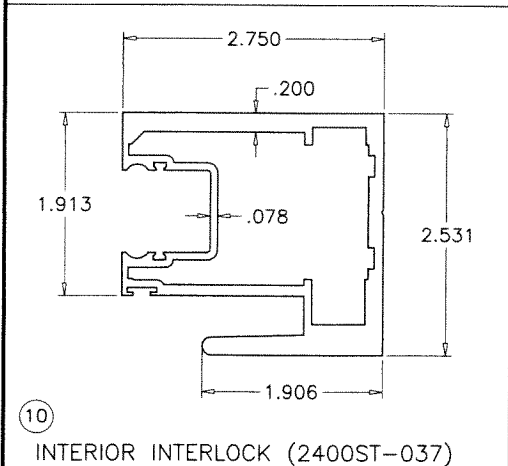
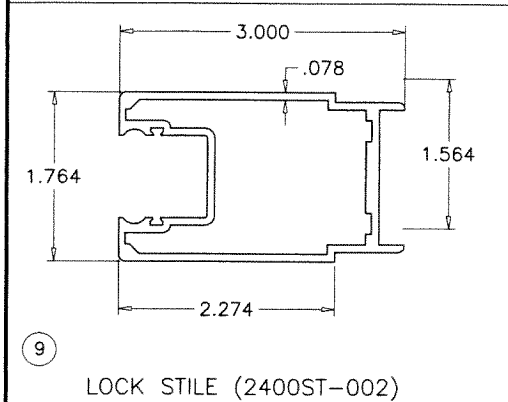
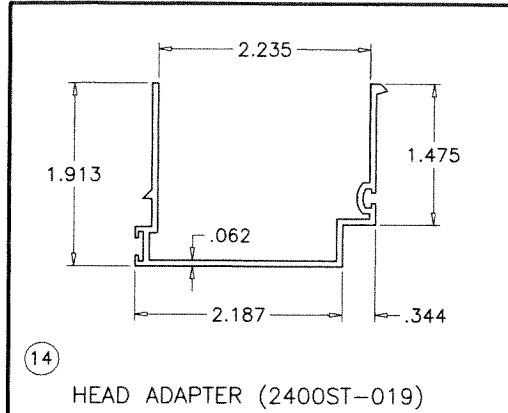
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
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H	09.16.19	NO CHANGE THIS SHEET
I	03.08.21	UPDATED TO 2020 FBC
J	10.10.24	NO CHANGE THIS SHEET

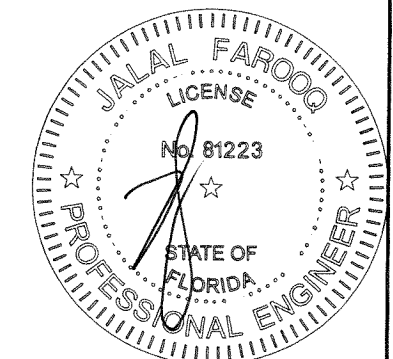
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 chk. by:

drawing no. **W08-29**
 sheet 19 of 21

COMP-ANL\W08-29-TGL



PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **24-1202.01**
 Expiration Date: **09/18/2028**
 By: *Manuel Ferrer*
 Miami-Dade Product Control



APR 20 2026

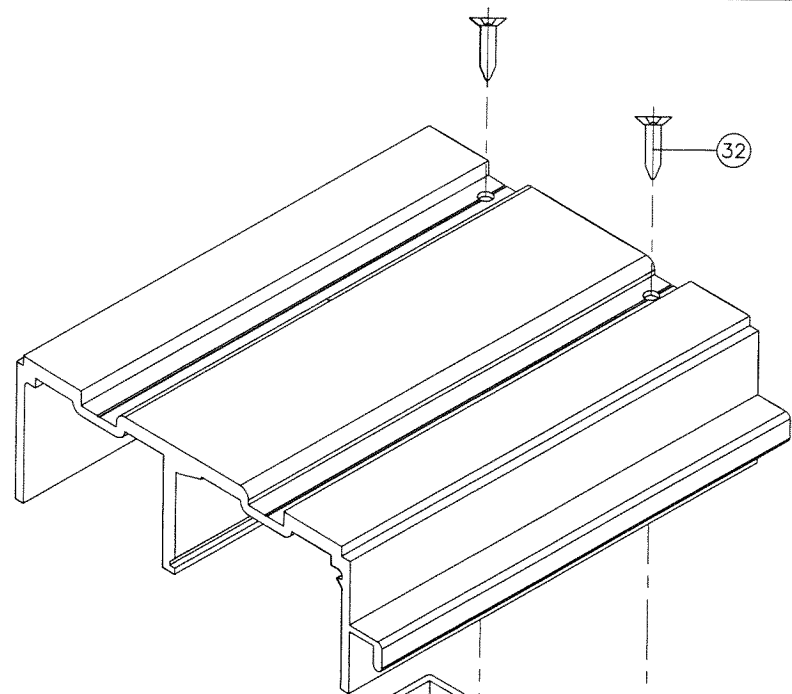
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 262-6978 FAX. (305) 264-8100
 COMP-ANL\W08-29-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

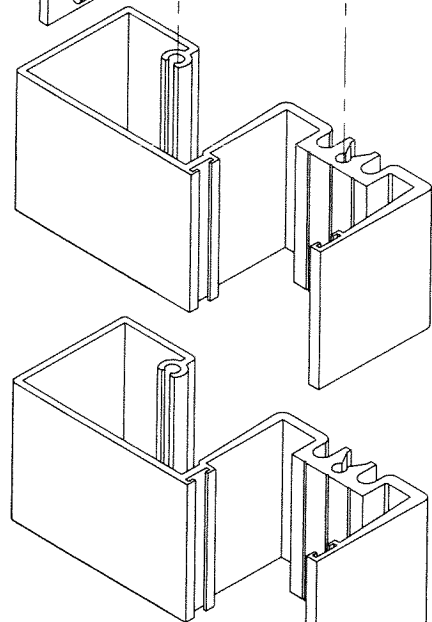
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H	09.16.19		NO CHANGE THIS SHEET
I	03.08.21		UPDATED TO 2020 FBC
J	10.10.24		NO CHANGE THIS SHEET

date: 03-20-08
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 dr. by: TARIQ
 chk. by:

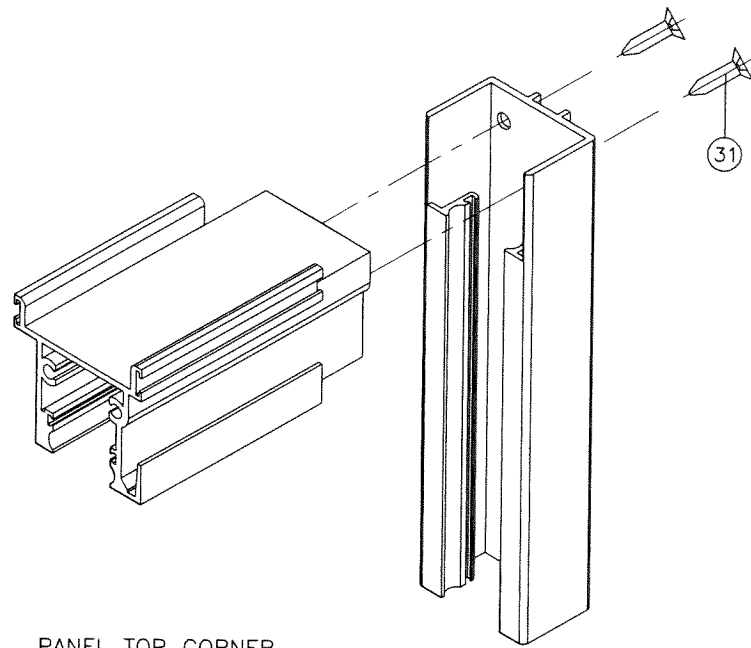
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 sheet 20 of 21



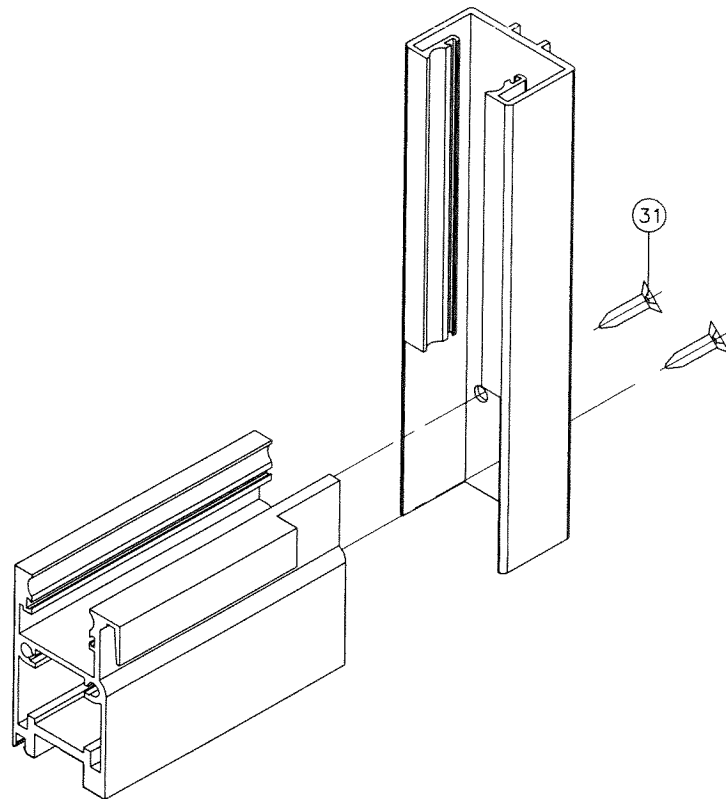
FRAME TOP CORNER



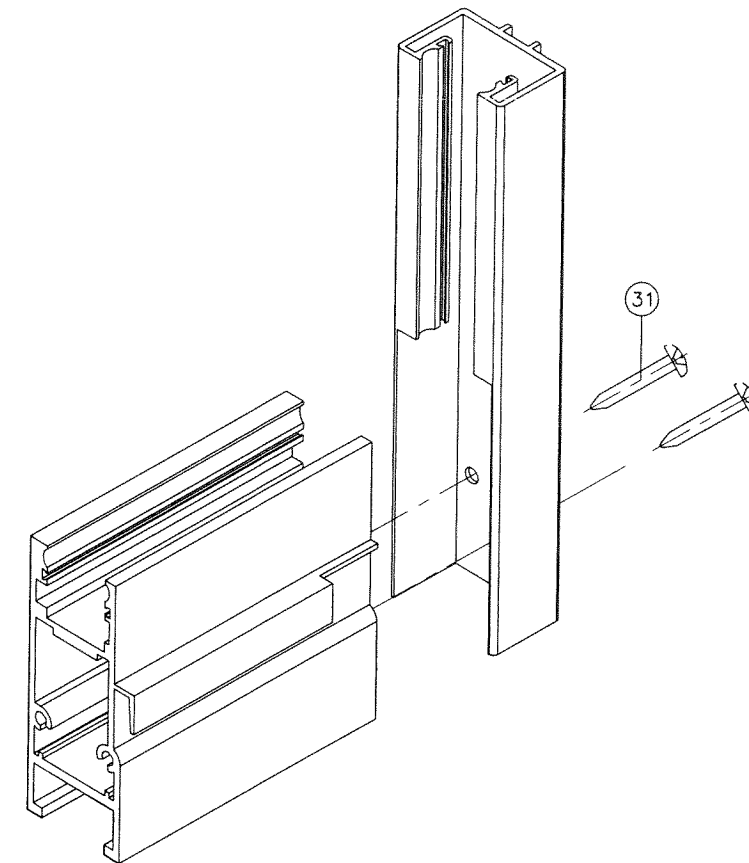
FRAME BOTTOM CORNER



PANEL TOP CORNER



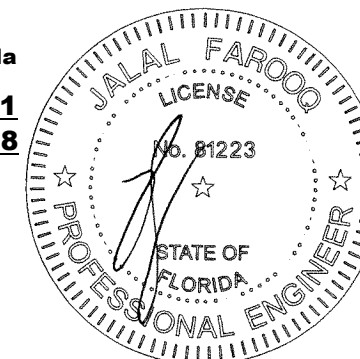
PANEL BOTTOM CORNER
STD. BOTTOM RAIL



PANEL BOTTOM CORNER
HI-RISE BOTTOM RAIL

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-1202.01**
Expiration Date: **09/18/2028**
By: *Manuel Perez*
Miami-Dade Product Control

APR 20 2026



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL \ W08-29 - TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
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MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description	by
G	05.28.19	NO CHANGE THIS SHEET	
H	09.16.19	NO CHANGE THIS SHEET	
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revisions:

date: 03-20-08
scale: 1/2" = 1"
dr. by: TARIO
chk. by:

drawing no. **W08-29**
sheet 21 of 21