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Business & Professional Regulation



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Product Approval
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 Application Detail

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FL #	FL25959-R6	
Application Type	Revision	
Code Version	2023	
Application Status	Approved	
Comments		
Archived	☐	
Product Manufacturer	Mr-Glass Doors & Windows Manufacturing, LLC	
Address/Phone/Email	8051 NW 79th Place Medley, FL 33166 (305) 470-8284 ulises@mrglasswindows.com	
Authorized Signature	Ulises Senaris ulises@mrglasswindows.com	
Technical Representative	Augusto Arias	
Address/Phone/Email	8120 NW 84th St Medley, FL 33166 (305) 470-8284 aarias@mrglasswindows.com	
Quality Assurance Representative		
Address/Phone/Email		
Category	Exterior Doors	
Subcategory	Sliding Exterior Door Assemblies	
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received	
Florida Engineer or Architect Name who developed the Evaluation Report	Jalal Farooq	
Florida License	PE-81223	
Quality Assurance Entity	Keystone Certifications, Inc.	
Quality Assurance Contract Expiration Date	04/30/2035	
Validated By	Abel Carrasco, PE ☒ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL25959_R6_COI_SS - Certificate of Independence 2023.pdf	
Referenced Standard and Year (of Standard)	Standard TAS 201 TAS 202 TAS 203	Year 1994 1994 1994
Equivalence of Product Standards Certified By		
Sections from the Code		

Product Approval Method

Method 1 Option D

Date Submitted

04/17/2025

Date Validated

04/25/2025

Date Pending FBC Approval

04/29/2025

Date Approved

06/10/2025

Summary of Products

FL #	Model, Number or Name	Description
25959.1	Series MG-1100 Aluminum Sliding Glass Door	Large missile impact resistant 3-track aluminum sliding glass door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +80/-100 Other: See drawing 18-06F for span vs load combinations and installation details		Installation Instructions FL25959_R6_II_SS - MG 1100 SGD (LMI) -DWG 18-06F 2023 R1.pdf Verified By: Jalal Farooq PE 81223 Created by Independent Third Party: Yes Evaluation Reports FL25959_R6_AE_SS - MG 1100 SGD (LMI) -PAE 2023.pdf Created by Independent Third Party: Yes
25959.2	Series MG-1100 Aluminum Sliding Glass Door	Small missile impact resistant 3-track aluminum sliding glass door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +80/-100 Other: See drawing 18-16F for span vs load combinations and installation details		Installation Instructions FL25959_R6_II_SS - MG 1100 SGD (SMI) -DWG 18-16F 2023.pdf Verified By: Jalal Farooq PE 81223 Created by Independent Third Party: Yes Evaluation Reports FL25959_R6_AE_SS - MG 1100 SGD (SMI) -PAE 2023.pdf Created by Independent Third Party: Yes

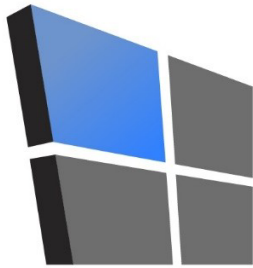
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Product Approval Accepts:



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 25959

Date: 07/24/2023

Detailed Product Description:

Manufacturer: MR-GLASS DOORS & WINDOWS MANUFACTURING LLC.

Manufacturer Address: 8051 NW 79th PLACE, MEDLEY, FL 33166

Model Name: SERIES MG-1100 ALUMINUM SLIDING GLASS DOOR

Maximum Load: +80 PSF, -100 PSF (Large Missile Impact)

Installation Drawings # 18-06F

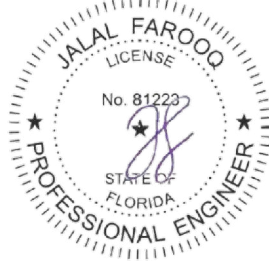
This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.					
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.					
Comparative analysis used ☒ Yes ☐ No					
Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)					
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
ASTM E283	Air Infiltration Leakage	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015	FTL-8590	Idalmis Ortega, PE
			10/25/2015	FTL-8591	Rafael E.Droz-Seda, PE
			11/28/2017	FTL-8594	
			01/12/2021	HETI-17-5078	
				HETI-17-5084	
				HETI-21-7007	
			05/21/2020	HETI-21-7012	Dr. Ram Tewari, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	05/21/2020	HETI-20-8058	
			05/21/2020	HETI-20-8068	
			12/20/2022	HETI-20-8068	
			01/12/2021	HETI-22-7283	Rafael E.Droz-Seda, PE
				FTL-8590	
				FTL-8591	
				FTL-8594	
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015	HETI-17-5078	Rafael E.Droz-Seda, PE
			10/25/2015	HETI-17-5084	
			11/28/2017	HETI-21-7007	
			01/12/2021	HETI-21-7012	
				HETI-20-8058	Dr. Ram Tewari, PE
				HETI-20-8068	
			12/20/2022	HETI-22-7283	

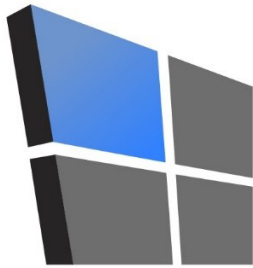
ASTM F842	Forced Entry	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015 10/25/2015 11/28/2017 01/12/2021 05/21/2020 05/21/2020 12/20/2022	FTL-8590 FTL-8591 FTL-8594 HETI-17-5078 HETI-17-5084 HETI-21-7007 HETI-21-7012 HETI-20-8058 HETI-20-8068 HETI-22-7283	Idalmis Ortega, PE Rafael E.Droz-Seda, PE Dr. Ram Tewari, PE
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Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
FBC 1626.2 (TAS 201 & 203) ASTME1886/1996	Large Missile Impact & Cyclic	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015 11/28/2017 01/12/2021 05/21/2020 05/21/2020 12/20/2022	FTL-8590 FTL-8592 FTL-8596 FTL-8593 FTL-8591 HETI-17-5079 HETI-17-5085 HETI-21-7007 HETI-21-7012 HETI-20-8058 HETI-20-8068 HETI-22-7283	Idalmis Ortega, PE Rafael E.Droz-Seda, PE Dr. Ram Tewari, PE

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code.

Evaluation Report Engineer: Jalal Farooq Al-Farooq Corporation		PE # 81223 EB # 3538	 Sealed: 7/24/2023
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AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 25959

Date: 07/24/2023

Detailed Product Description:

Manufacturer: MR-GLASS DOORS & WINDOWS MANUFACTURING LLC.

Manufacturer Address: 8051 NW 79th PLACE, MEDLEY, FL 33166

Model Name: SERIES MG-1100 ALUMINUM SLIDING GLASS DOOR

Maximum Load: +80 PSF, -100 PSF (Large Missile Impact)

Installation Drawings # 18-06F

This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.					
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.					
Comparative analysis used ☒ Yes ☐ No					
Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)					
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
ASTM E283	Air Infiltration Leakage	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015	FTL-8590	Idalmis Ortega, PE
			10/25/2015	FTL-8591	Rafael E.Droz-Seda, PE
			11/28/2017	FTL-8594	
			01/12/2021	HETI-17-5078	
				HETI-17-5084	
				HETI-21-7007	
			05/21/2020	HETI-21-7012	Dr. Ram Tewari, PE
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	05/21/2020	HETI-20-8058	
			05/21/2020	HETI-20-8068	
			12/20/2022	HETI-20-8068	
			01/12/2021	HETI-22-7283	Rafael E.Droz-Seda, PE
				FTL-8590	
				FTL-8591	
			10/23/2015	FTL-8594	
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/25/2015	HETI-17-5078	Rafael E.Droz-Seda, PE
			11/28/2017	HETI-17-5084	
			01/12/2021	HETI-21-7007	
				HETI-21-7012	
			05/21/2020	HETI-20-8058	Dr. Ram Tewari, PE
			05/21/2020	HETI-20-8068	
			12/20/2022	HETI-22-7283	

ASTM F842	Forced Entry	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015 10/25/2015 11/28/2017 01/12/2021 05/21/2020 05/21/2020 12/20/2022	FTL-8590 FTL-8591 FTL-8594 HETI-17-5078 HETI-17-5084 HETI-21-7007 HETI-21-7012 HETI-20-8058 HETI-20-8068 HETI-22-7283	Idalmis Ortega, PE Rafael E.Droz-Seda, PE Dr. Ram Tewari, PE
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Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

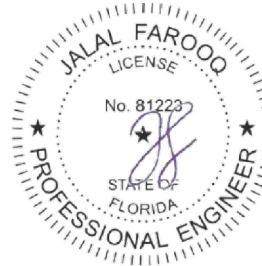
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
FBC 1626.2 (TAS 201 & 203) ASTME1886/1996	Large Missile Impact & Cyclic	Fenestration Testing Laboratory Hurricane Engineering & Testing, Inc.	10/23/2015 11/28/2017 01/12/2021 05/21/2020 05/21/2020 12/20/2022	FTL-8590 FTL-8592 FTL-8596 FTL-8593 FTL-8591 HETI-17-5079 HETI-17-5085 HETI-21-7007 HETI-21-7012 HETI-20-8058 HETI-20-8068 HETI-22-7283	Idalmis Ortega, PE Rafael E.Droz-Seda, PE Dr. Ram Tewari, PE

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq
Al-Farooq Corporation

PE # 81223
EB # 3538



Sealed: 7/24/2023

HEAD/SILL ANCHOR LOAD CAPACITY – PSF				
ANCHOR TYPE		ANCHORS 'A', 'B', 'C' & 'D'		
SHIM SPACE		3/8" SHIM	1/2" MAX. SHIM	
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	6 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
42	82–7/8	100.0	100.0	100.0
48		100.0	100.0	100.0
54		100.0	100.0	100.0
60		100.0	100.0	100.0
66		75.0	75.0	75.0
72		75.0	75.0	75.0
78		75.0	75.0	75.0
84		75.0	73.5	75.0
42	84	100.0	100.0	100.0
48		100.0	100.0	100.0
54		100.0	100.0	100.0
60		100.0	100.0	100.0
62		75.0	75.0	75.0
66		75.0	75.0	75.0
72		75.0	75.0	75.0
78		75.0	75.0	75.0
84		75.0	72.5	75.0
42	90	100.0	100.0	100.0
48		100.0	100.0	100.0
54		100.0	100.0	100.0
60		100.0	100.0	100.0
62		75.0	75.0	75.0
66		75.0	75.0	75.0
72		75.0	75.0	75.0
78		75.0	75.0	75.0
80		75.0	71.0	75.0
42	96	100.0	100.0	100.0
48		100.0	100.0	100.0
54		100.0	98.7	100.0
60		100.0	88.8	100.0
62		75.0	75.0	75.0
66		75.0	75.0	75.0
72		75.0	74.0	75.0
74		75.0	72.0	75.0
42	102	100.0	100.0	100.0
48		100.0	100.0	100.0
50		100.0	100.0	100.0
52		100.0	96.4	100.0
54		100.0	92.9	100.0
56		100.0	89.5	100.0
60		75.0	75.0	75.0
62		75.0	75.0	75.0
66		75.0	75.0	75.0
70		75.0	71.6	75.0
42	108	100.0	100.0	100.0
48		100.0	98.7	100.0
50		100.0	94.7	100.0
60		75.0	75.0	75.0
62		75.0	75.0	75.0
66		75.0	71.6	75.0

HEAD/SILL ANCHOR LOAD CAPACITY – PSF				
ANCHOR TYPE		ANCHORS 'A', 'B', 'C' & 'D'		
SHIM SPACE		3/8" SHIM	1/2" MAX. SHIM	
PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	6 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
42	114	100.0	100.0	100.0
48		100.0	93.5	100.0
50		100.0	89.7	100.0
60		75.0	74.8	75.0
62		75.0	72.4	75.0
42	120	100.0	100.0	100.0
48		100.0	88.8	100.0
50		75.0	75.0	75.0
60		75.0	71.0	75.0
42	126	75.0	75.0	75.0
48		75.0	75.0	75.0
50		75.0	75.0	75.0
54		75.0	75.0	75.0
42	132	75.0	75.0	75.0
48		75.0	75.0	75.0
50		75.0	75.0	75.0
52		75.0	74.5	75.0
42	138	75.0	75.0	75.0
48		75.0	75.0	75.0
50		75.0	74.1	75.0
42	144	75.0	75.0	75.0
48		75.0	74.0	75.0

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1
- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2
- DETERMINE DOOR CAPACITY FROM TABLE ON SHEETS 1.1 & 1.2 FOR THE GLASS TYPE USED.
- STEP 3
- USING CHARTS ABOVE 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
- SEE SHEET 8 TO DETERMINE MIN. AND MAX. GAP DIMENSIONS FOR UNANCHORED JAMBS.

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

SERIES 1100 (L.M.I.)
ALUMINUM SLIDING GLASS DOOR

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

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

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

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

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

THIS PRODUCT 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)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

Sealed: 4/15/2025

FL #25959.1

- A– CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEViate FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B– THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C– SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D– THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP–ANL\18–06F–MG

SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)

MR–GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764–3963 Fax. (305) 470–8285

revisions:

no	date	description	by
C	12.07.21	REINF. INTERLOCK OPTION ADDED	
D	01.16.23	NEW TEST ADDED	
E	07.21.23	UPDATED TO 2023 FBC	
F	04.07.25	ANCHORED JAMB OPTION ADDED	

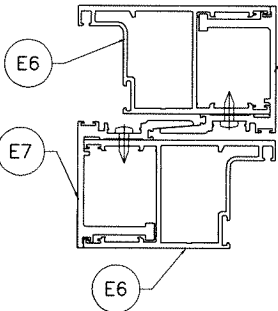
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drawing no.
18–06F

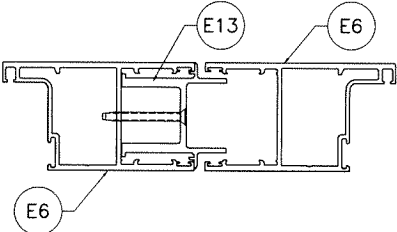
sheet 1 of 11

DOOR DESIGN LOAD CAPACITY – PSF WITH FREE STANDING (UN-ANCHORED JAMBS)											
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	STD. INTERLOCK WITHOUT ASTRAGAL		STD. INTERLOCK WITH OR WITHOUT STD. ASTRAGAL						STD. INTERLOCK WITH OR WITHOUT REINF. ASTRAGAL	
		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
42	82–7/8	65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
48		65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
54		65.0	75.0	71.1	88.9	71.1	80.0	71.1	80.0	80.0	88.9
60		65.0	75.0	64.0	80.0	60.0	60.0	–	–	64.0	80.0
66		65.0	75.0	–	–	60.0	60.0	–	–	–	–
72		65.0	75.0	–	–	–	–	–	–	–	–
78		65.0	75.0	–	–	–	–	–	–	–	–
84		65.0	75.0	–	–	–	–	–	–	–	–
42	84	65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
48		65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
54		65.0	75.0	71.1	88.9	71.1	80.0	71.1	80.0	71.1	88.9
60		65.0	75.0	64.0	80.0	60.0	60.0	–	–	64.0	80.0
62		65.0	75.0	–	–	60.0	60.0	–	–	–	–
66		65.0	75.0	–	–	60.0	60.0	–	–	–	–
72		65.0	75.0	–	–	–	–	–	–	–	–
78		65.0	75.0	–	–	–	–	–	–	–	–
84		65.0	75.0	–	–	–	–	–	–	–	–
42	90	65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
48		65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
54		65.0	75.0	71.1	88.9	60.0	60.0	–	–	71.1	88.9
60		65.0	75.0	–	–	60.0	60.0	–	–	64.0	80.0
62		65.0	75.0	–	–	60.0	60.0	–	–	–	–
66		65.0	75.0	–	–	–	–	–	–	–	–
72		65.0	75.0	–	–	–	–	–	–	–	–
78		65.0	75.0	–	–	–	–	–	–	–	–
80		65.0	75.0	–	–	–	–	–	–	–	–
42	96	65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
48		65.0	75.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	100.0
54		65.0	75.0	71.1	88.9	60.0	60.0	–	–	71.1	88.9
60		65.0	75.0	–	–	60.0	60.0	–	–	64.0	80.0
62		65.0	75.0	–	–	–	–	–	–	–	–
66		65.0	75.0	–	–	–	–	–	–	–	–
72		65.0	75.0	–	–	–	–	–	–	–	–
74		65.0	75.0	–	–	–	–	–	–	–	–
42	102	65.0	75.0	80.0	100.0	60.0	60.0	–	–	80.0	100.0
48		65.0	75.0	80.0	100.0	60.0	60.0	–	–	80.0	100.0
50		65.0	75.0	–	–	60.0	60.0	–	–	76.8	96.0
52		65.0	75.0	–	–	60.0	60.0	–	–	73.8	92.3
54		65.0	75.0	–	–	60.0	60.0	–	–	71.1	88.9
56		65.0	75.0	–	–	60.0	60.0	–	–	68.6	85.7
60		65.0	75.0	–	–	–	–	–	–	–	–
62		65.0	75.0	–	–	–	–	–	–	–	–
66		65.0	75.0	–	–	–	–	–	–	–	–
70		65.0	75.0	–	–	–	–	–	–	–	–
42	108	65.0	75.0	80.0	100.0	60.0	60.0	–	–	80.0	100.0
48		65.0	75.0	80.0	100.0	60.0	60.0	–	–	80.0	100.0
50		65.0	75.0	–	–	60.0	60.0	–	–	76.8	96.0
60		65.0	75.0	–	–	–	–	–	–	73.8	92.3
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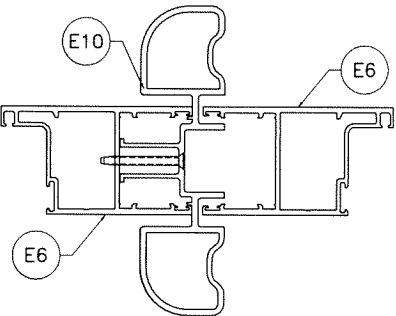
DOOR DESIGN LOAD CAPACITY – PSF WITH FREE STANDING (UN-ANCHORED JAMBS)											
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	STD. INTERLOCK WITHOUT ASTRAGAL		STD. INTERLOCK WITH OR WITHOUT STD. ASTRAGAL						STD. INTERLOCK WITH OR WITHOUT REINF. ASTRAGAL	
		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
42	114	65.0	75.0	–	–	60.0	60.0	–	–	80.0	100.0
48		65.0	75.0	–	–	60.0	60.0	–	–	80.0	100.0
50		65.0	75.0	–	–	60.0	60.0	–	–	76.8	96.0
60		65.0	75.0	–	–	–	–	–	–	–	–
62		65.0	75.0	–	–	–	–	–	–	–	–
42	120	65.0	75.0	–	–	60.0	60.0	–	–	80.0	100.0
48		65.0	75.0	–	–	60.0	60.0	–	–	80.0	100.0
50		65.0	75.0	–	–	–	–	–	–	–	–
60		65.0	75.0	–	–	–	–	–	–	–	–



STD. INTERLOCK



STD. ASTRAGAL



REINF. ASTRAGAL

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

FL #25959.1



FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
LIMIT ALL EXTERIOR(+) LOADS TO +76.7 PSF FOR 2–13/16” SILL HEIGHTS
SEE SHEET 5 FOR DETAILS

REINF. ASTRAGAL ONLY IN CONFIGURATIONS THAT REQUIRE ASTRAGAL.

Sealed: 4/15/2025

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

afcc

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 1100 ALUM SLIDING GLASS DOOR (L.M.I.)

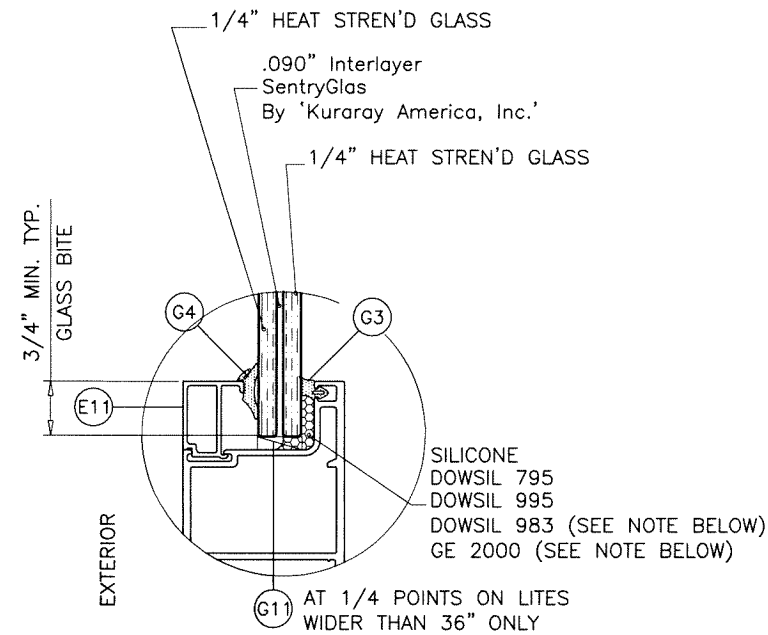
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

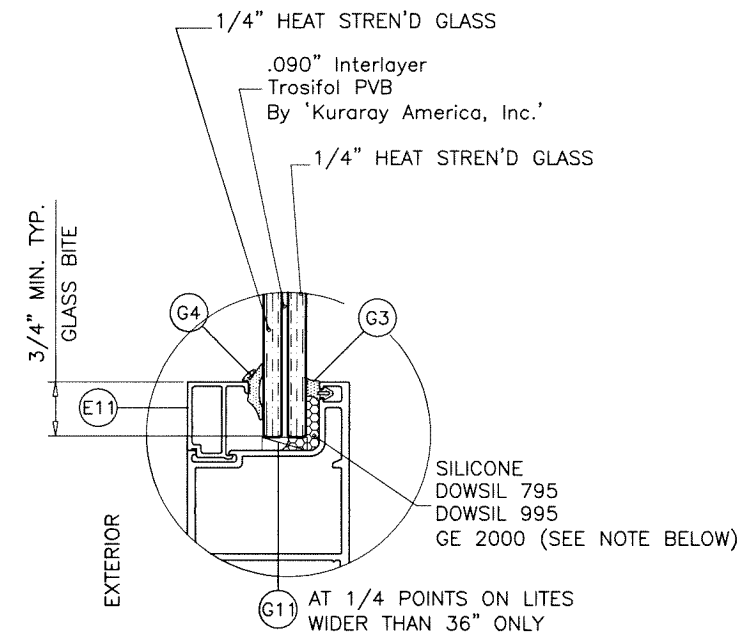
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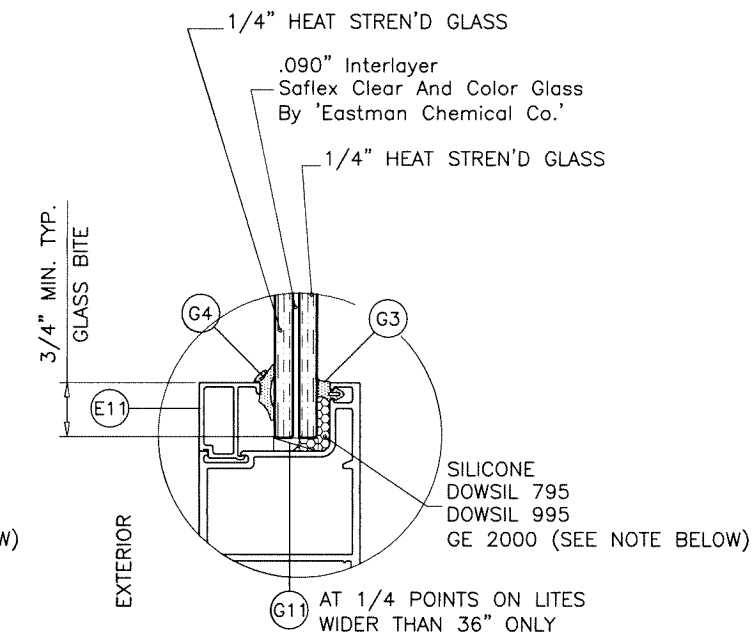
drawing no.
18-06F
sheet 1.1 of 11



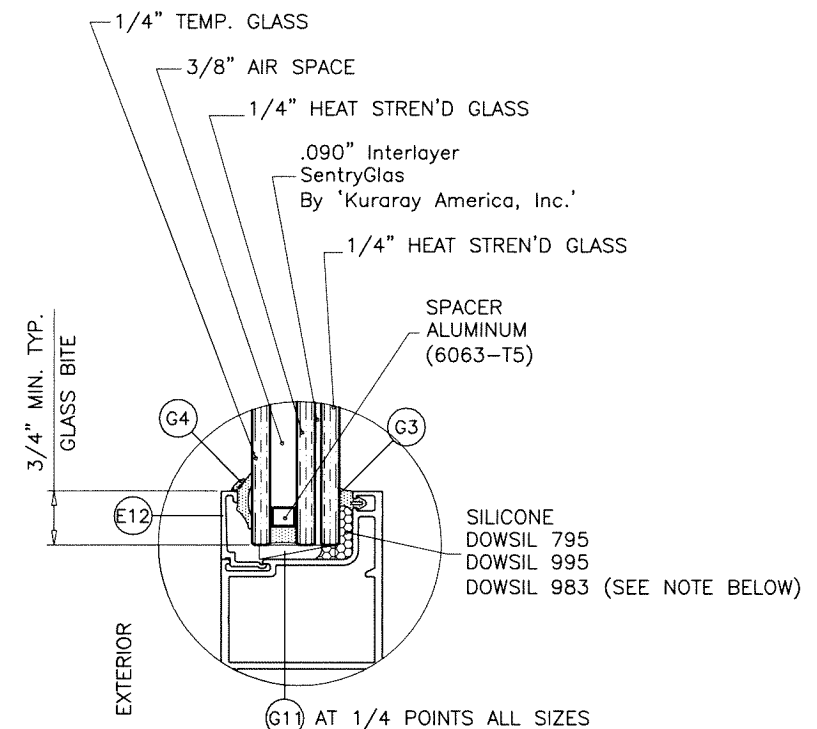
GLASS TYPE 'A'
9/16" OVERALL LAMINATED GLASS



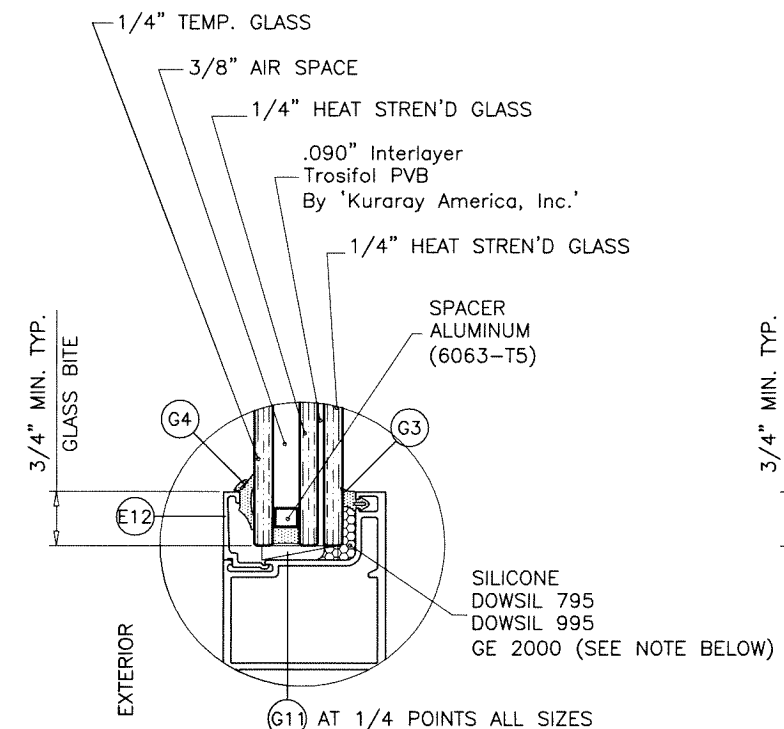
GLASS TYPE 'B'
9/16" OVERALL LAMINATED GLASS



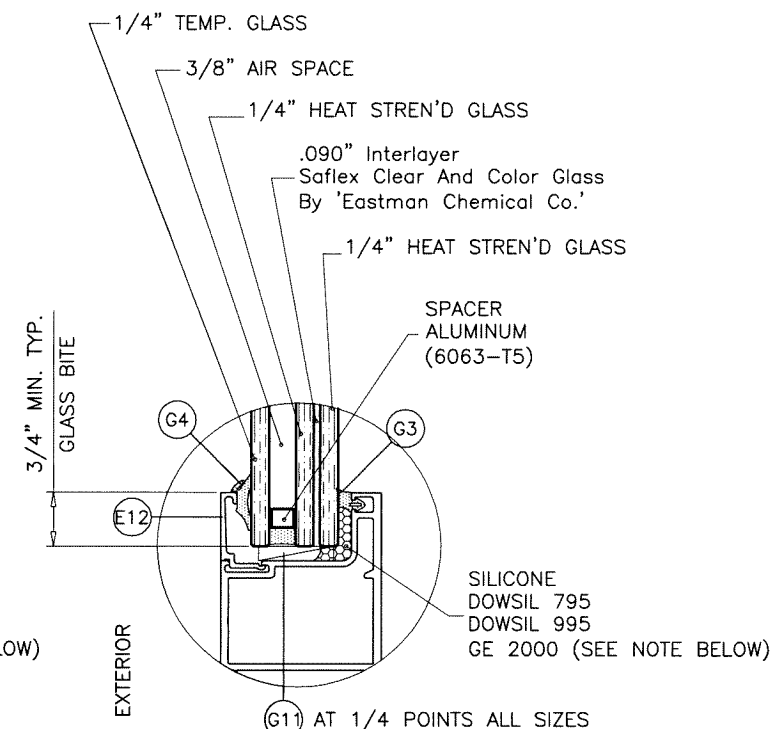
GLASS TYPE 'C'
9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'AI'
1-3/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'BI'
1-3/16" OVERALL INSUL. LAM. GLASS



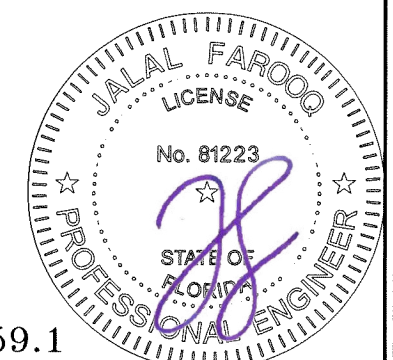
GLASS TYPE 'CI'
1-3/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

NOTE:
FOR DOWSIL 983 SILICONE
LIMIT MAX. DESIGN LOADS TO +65, -75.0 PSF
FOR GE 2000 SILICONE
LIMIT MAX. DESIGN LOADS TO ±60 PSF
LIMIT MAX. PANEL AREA TO 40.0 SQ. FT.

Sealed: 4/15/2025

FL #25959.1



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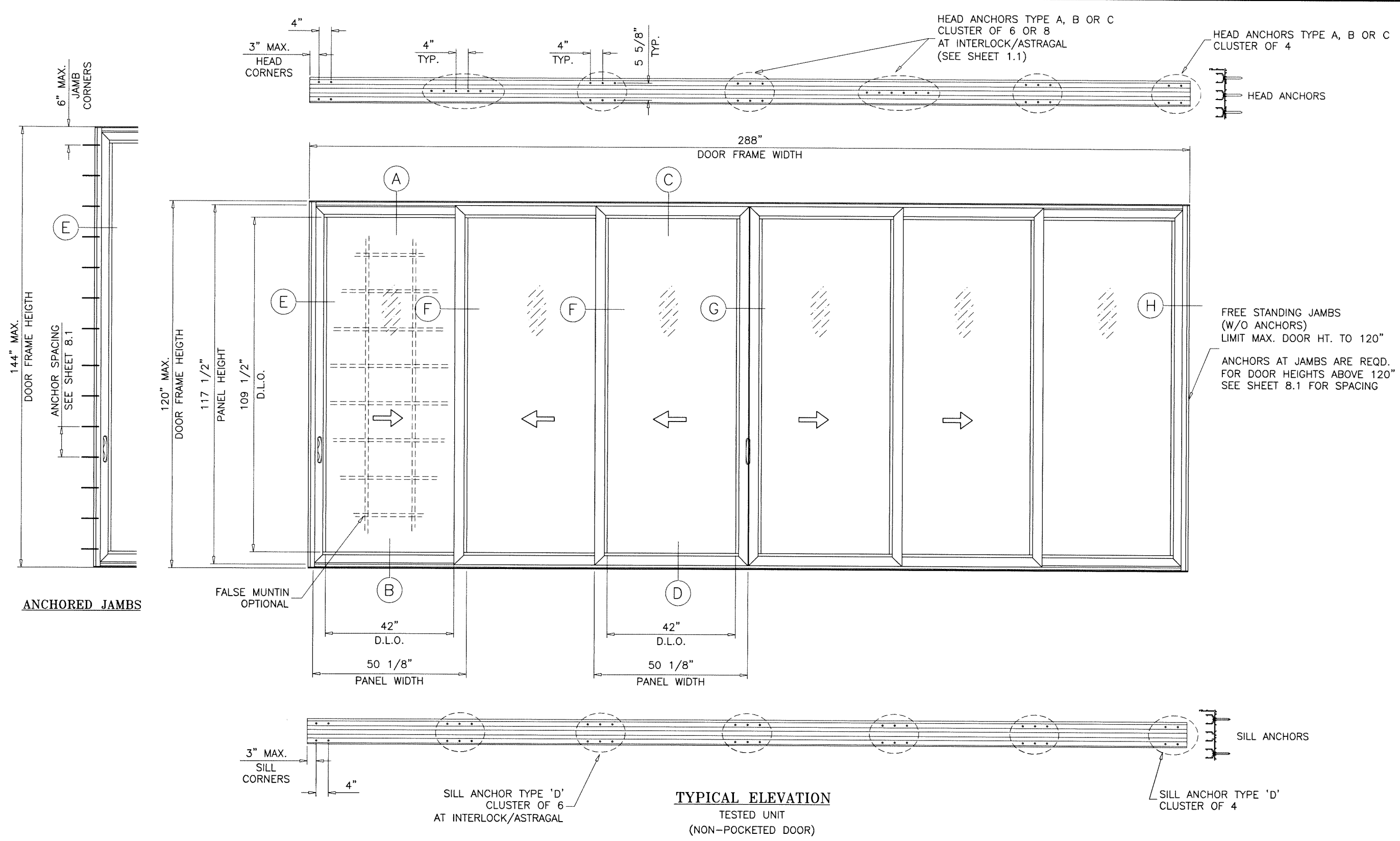
COMP-ANL 18-06F-MG

SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
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Tel. (305) 764-3963 Fax. (305) 470-8285

18-06F

revisions:		date	by	description
no	date	by	description	

date: 12-28-17	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	drawing no. 18-06F
				sheet 2 of 11



DAYLITE OPENINGS WIDTHS:
 PANEL WIDTH - 7.313"

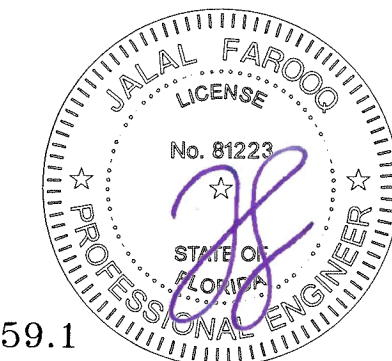
DAYLITE OPENING HEIGHT:
 PANEL HEIGHT - 8.0"

PANEL HEIGHT = DOOR FRAME HEIGHT - 2.625"

MAX. FRAME AREA OF S.G.D. SHALL NOT EXCEED FRAME AND PANEL AREA OF TESTED UNIT PER FBC REQUIREMENTS.

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FL #25959.1



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 (C.A.N. 3538)

COMP-ANL 18-06F-MG

SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)

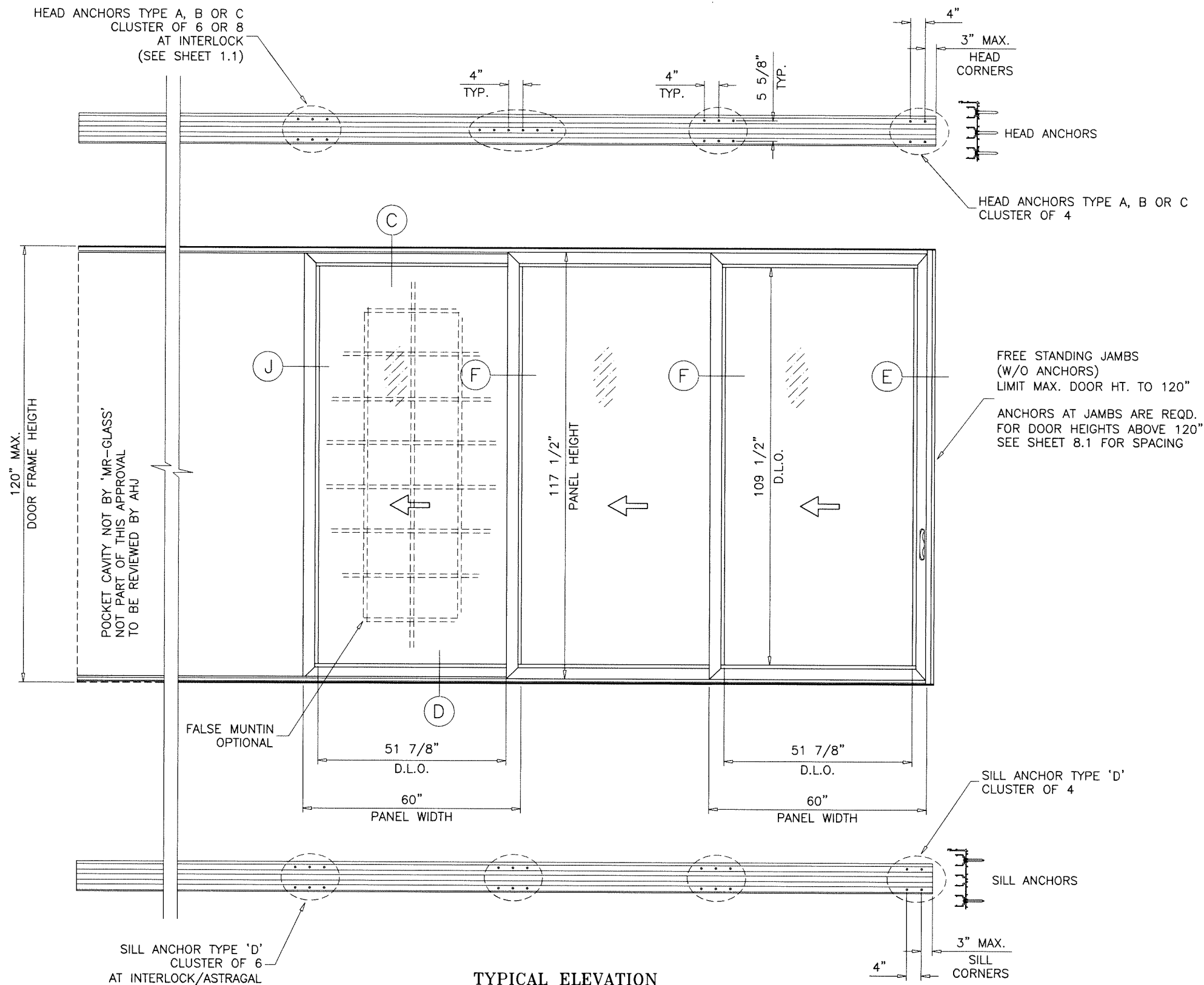
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
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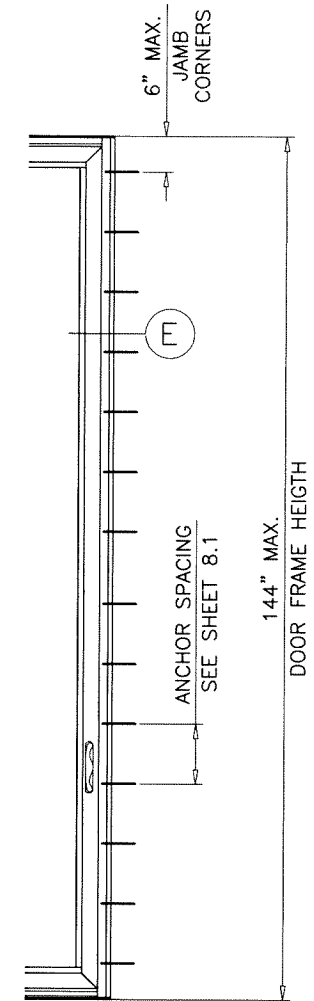
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 chk. by:

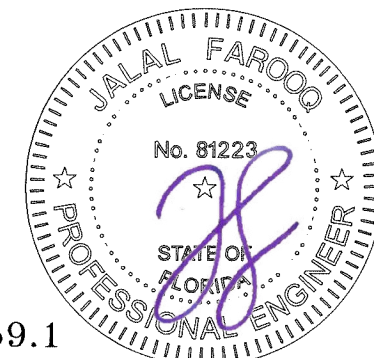
drawing no.
18-06F
 sheet 3 of 11



TYPICAL ELEVATION
TESTED UNIT
(POCKETED DOOR)



ANCHORED JAMBS



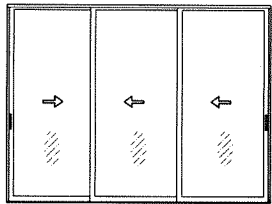
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FL #25959.1

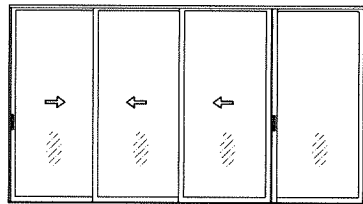
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AL-FAROOQ CORPORATION
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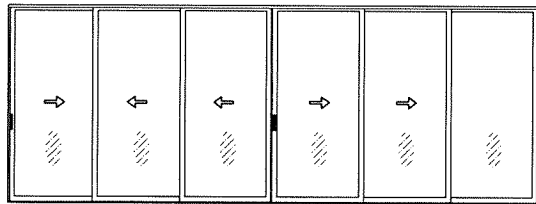
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drawing no.	18-06F	sheet 3.1 of 11		



XXX (SHOWN & REVERSE)
XXO
OXX

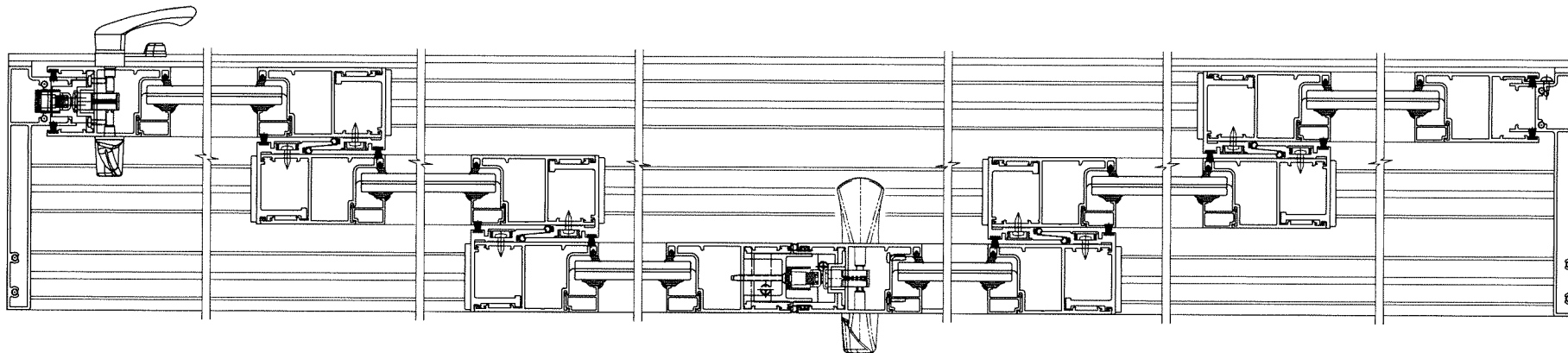
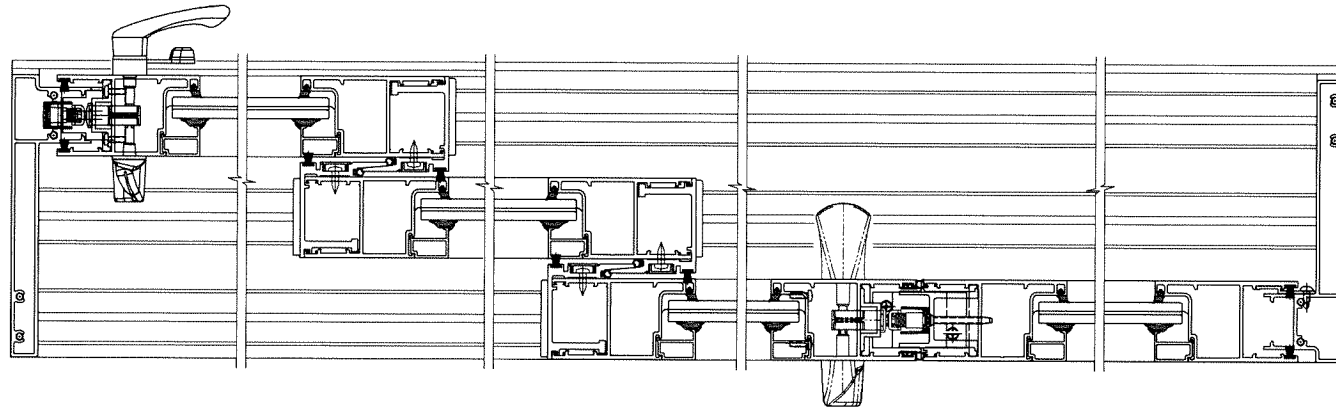
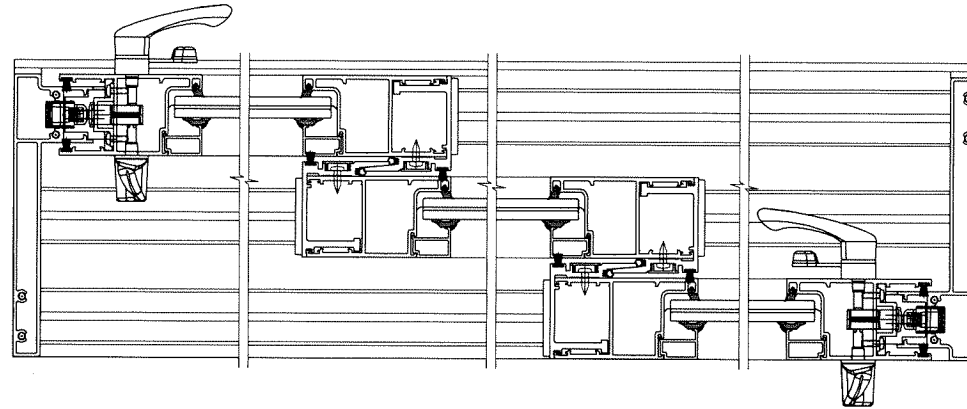


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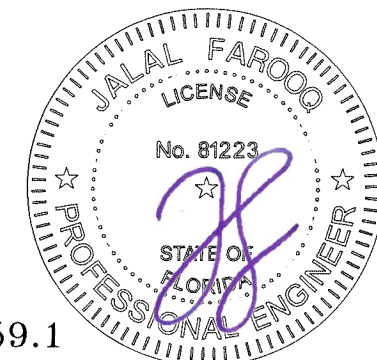
XXX-XXO (SHOWN & REVERSE)
OXX-XXX
XXX-XXX
OXX-XXO

APPROVED CONFIGURATIONS
NON-POCKETED DOORS



NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 5 AND 6.
4. DOOR CONFIGURATIONS SHOWN WITH STD. ASTRAGAL ONLY. USE REINF. ASTRAGAL AS REQUIRED. SEE SHEET 1 FOR CAPACITY AND SHEET 7 FOR DETAIL.



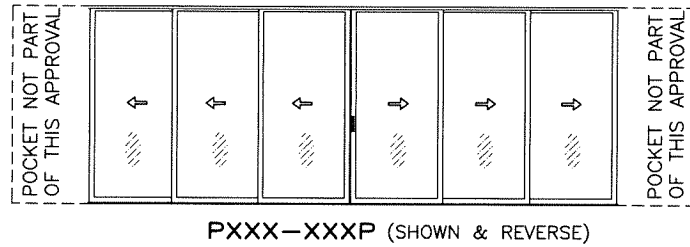
Sealed: 4/15/2025

FL #25959.1

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
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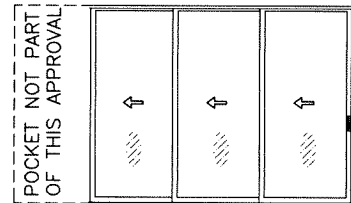
SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)
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sheet		4 of 11	

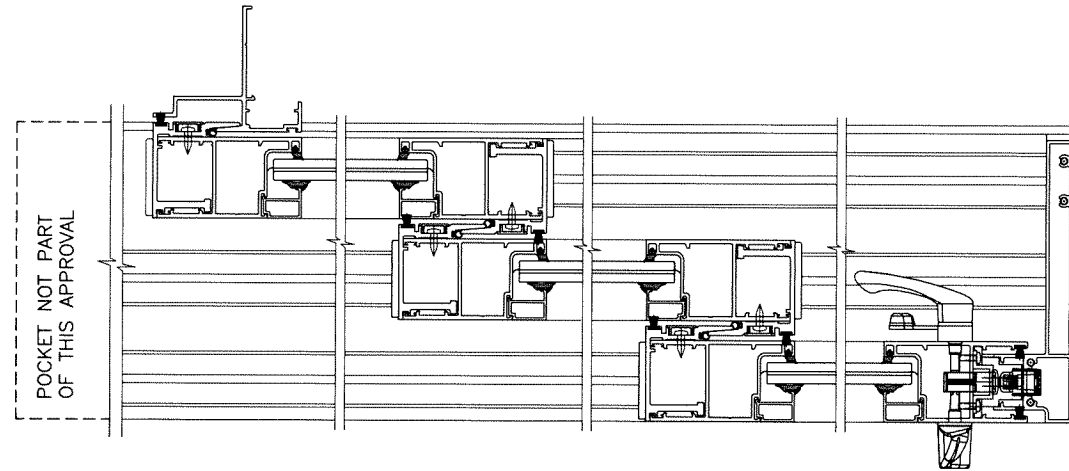
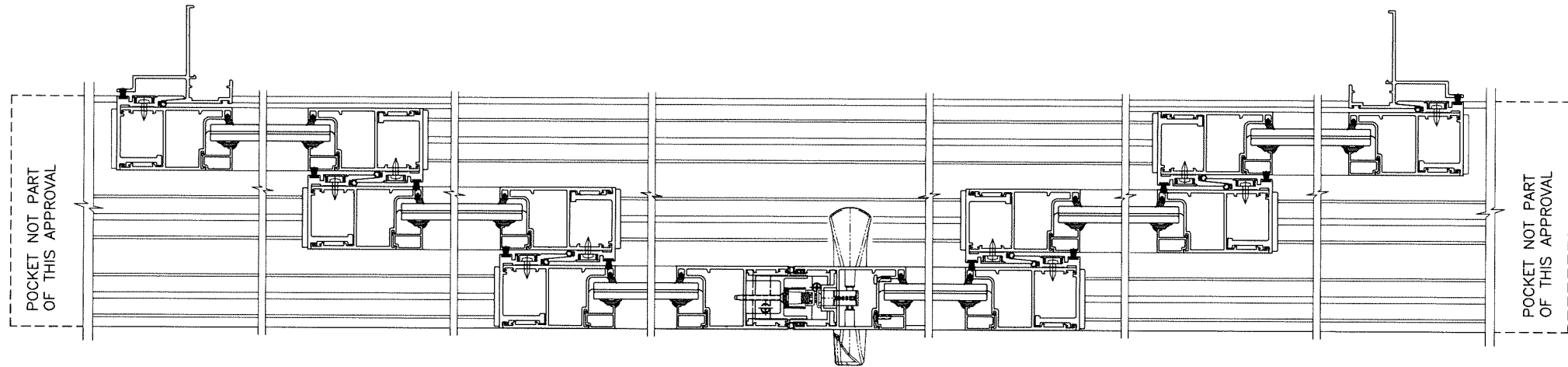


PXXX-XXXP (SHOWN & REVERSE)

**APPROVED CONFIGURATIONS
POCKETED DOORS**



PXXX (SHOWN & REVERSE)
XXXXP



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FL #25959.1

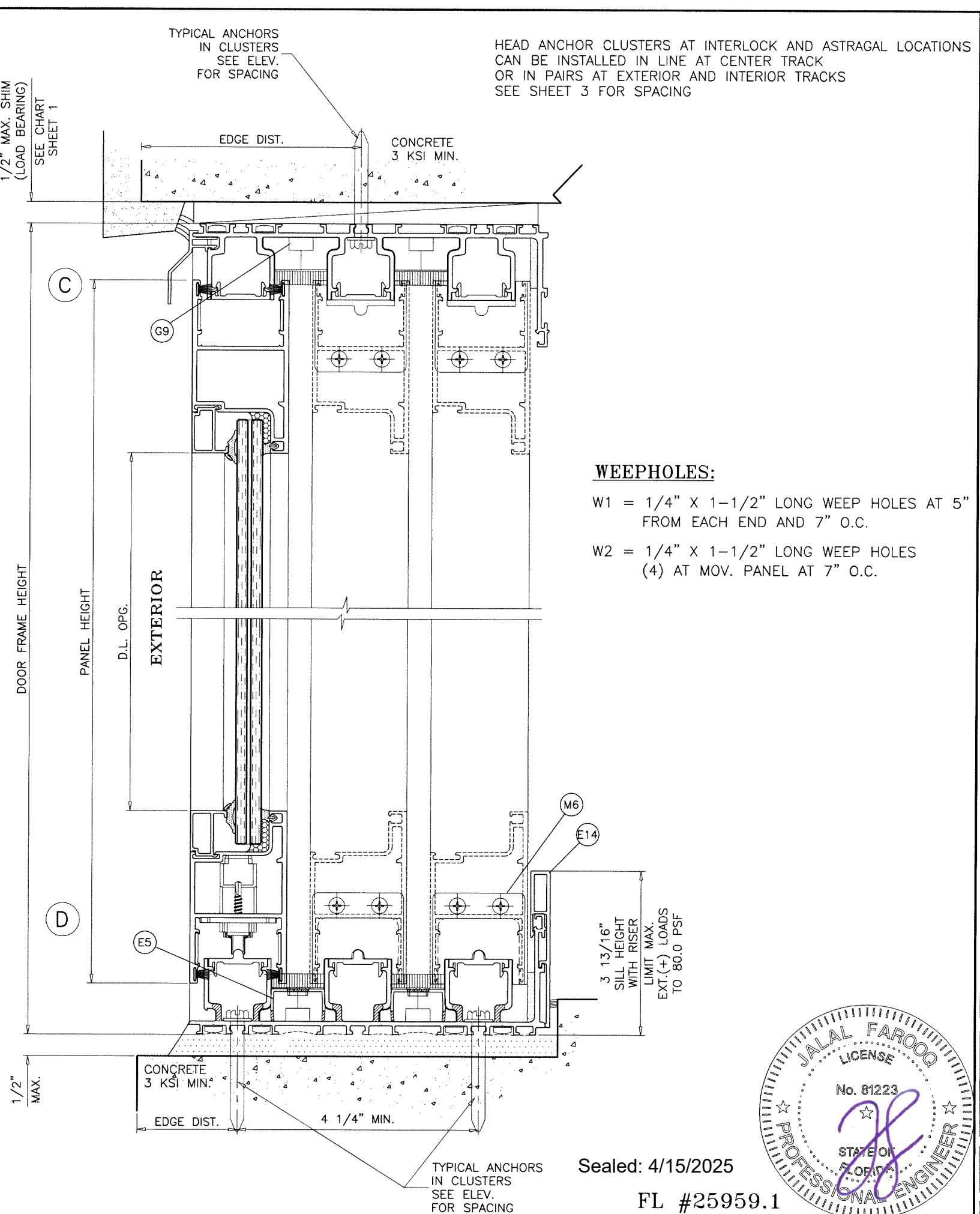
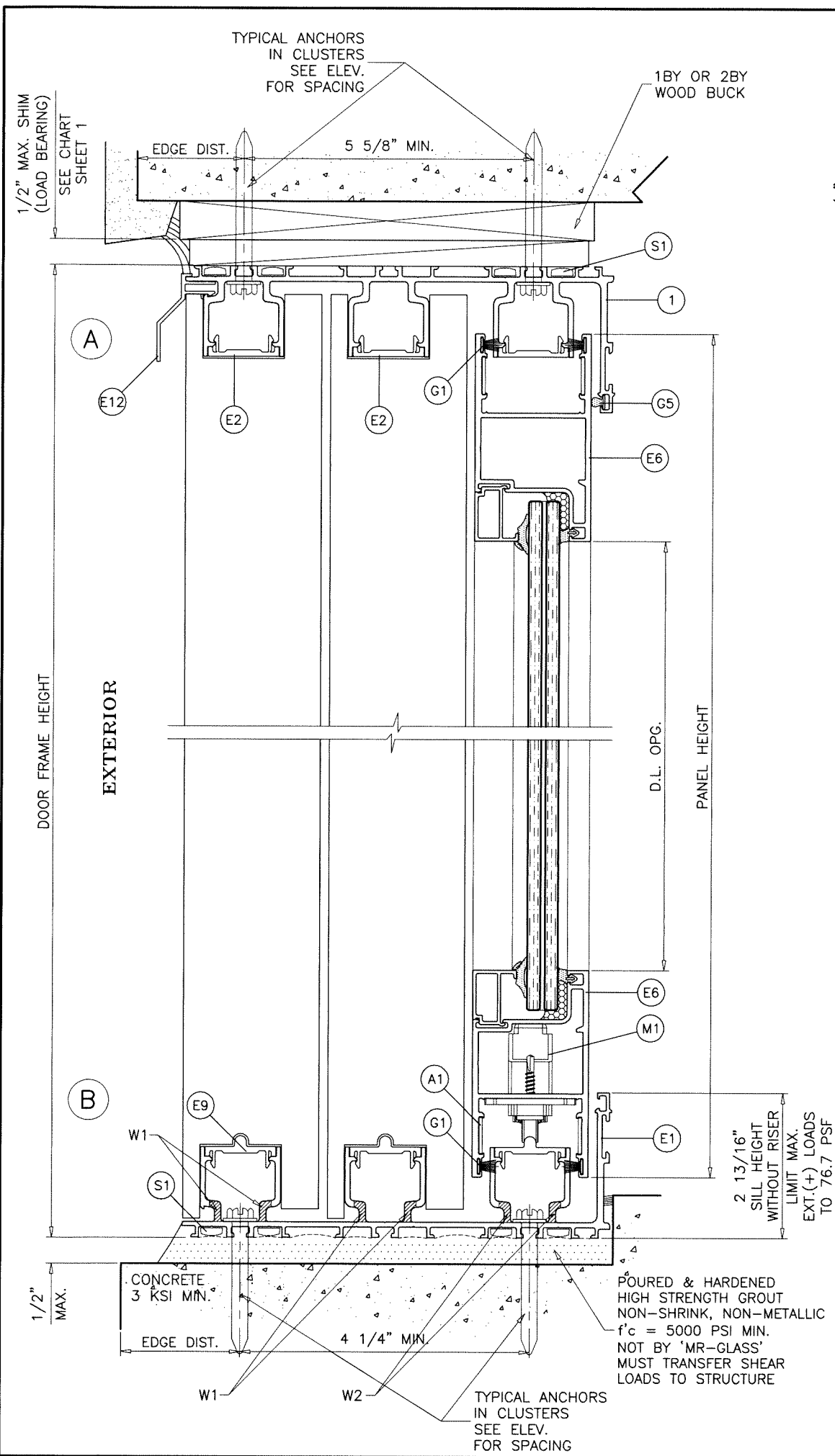


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chk. by:					
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sheet 4.1 of 11					

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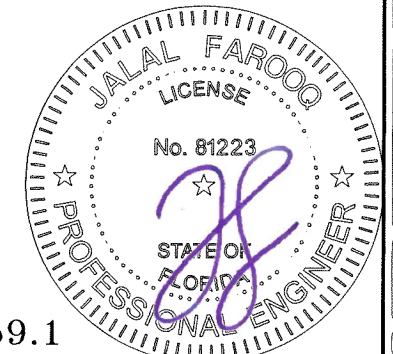
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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WEEPHOLES:

- W1 = 1/4" X 1-1/2" LONG WEEP HOLES AT 5" FROM EACH END AND 7" O.C.
- W2 = 1/4" X 1-1/2" LONG WEEP HOLES (4) AT MOV. PANEL AT 7" O.C.



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FL #25959.1

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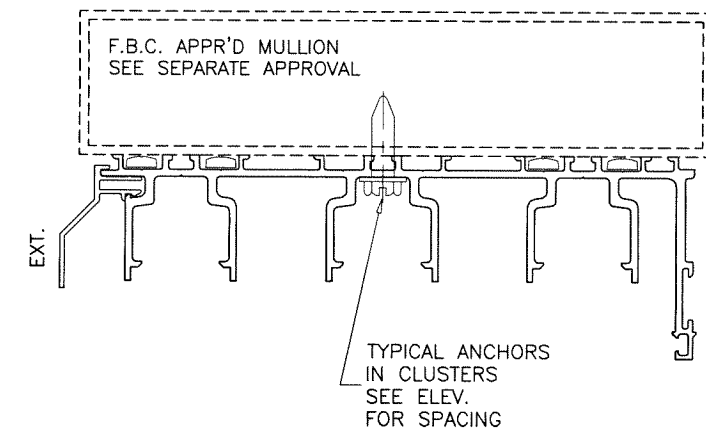
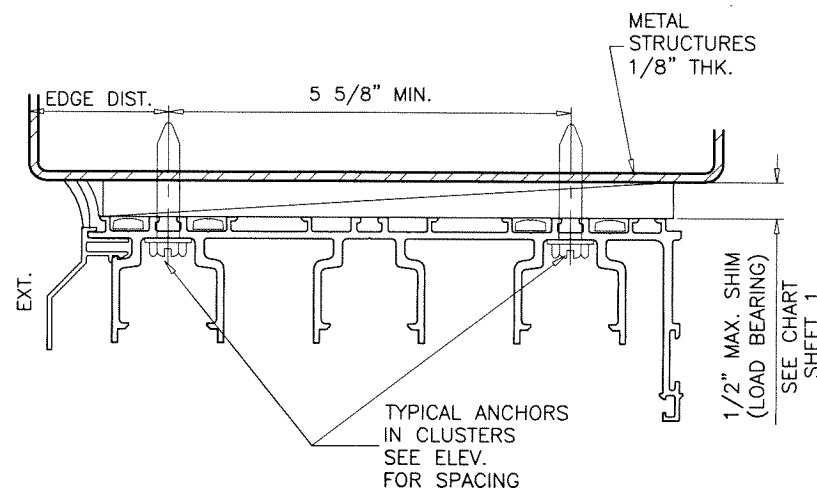
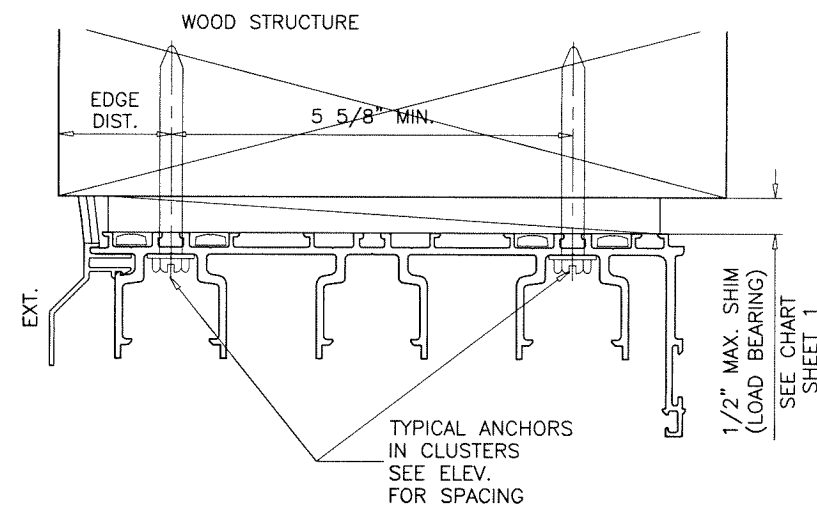
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date: 12-28-17
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-06F

sheet 5 of 11



HEAD ANCHOR CLUSTERS AT INTERLOCK AND ASTRAGAL LOCATIONS
CAN BE INSTALLED IN LINE AT CENTER TRACK
OR IN PAIRS AT EXTERIOR AND INTERIOR TRACKS
SEE SHEET 3 FOR SPACING

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'MR-GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

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

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

TYPE 'C'— 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

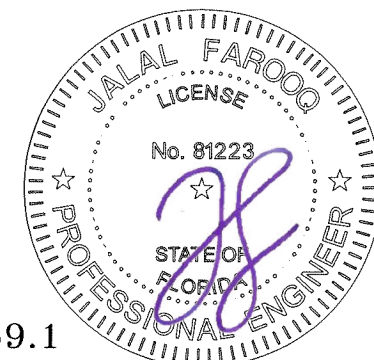
TYPICAL EDGE DISTANCE

INTO CONCRETE AT HEAD/SILL = 1-3/4" MIN.
INTO CONCRETE AND BLOCKS AT JAMBS = 1-1/8" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

Sealed: 4/15/2025

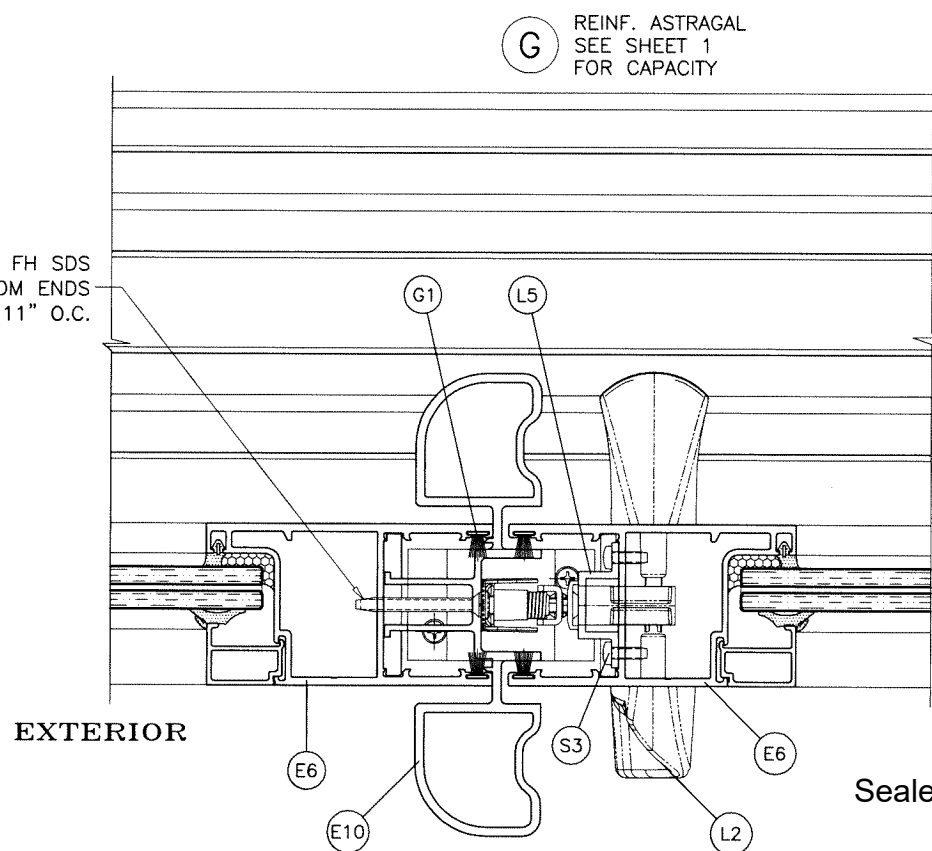
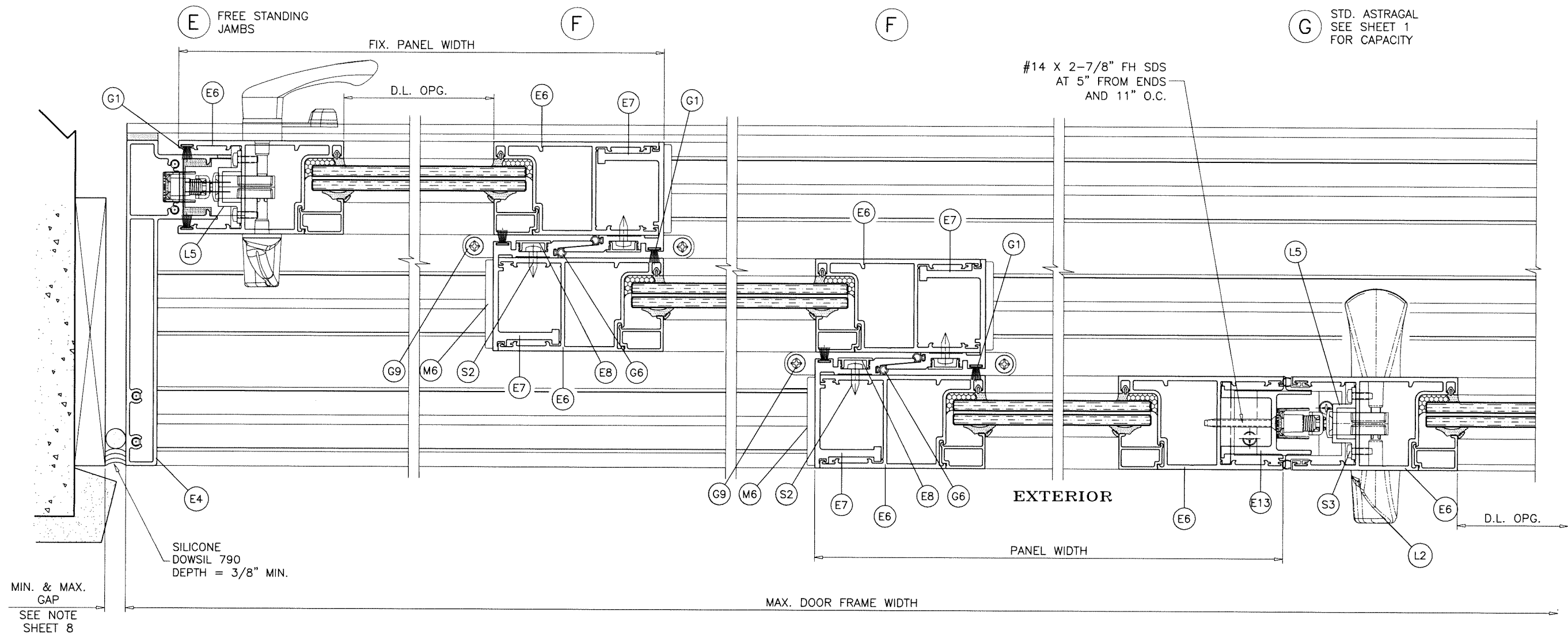
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dr. by:	TARIQ	chk. by:	
drawing no.	18-06F	sheet	6 of 11



G STD. ASTRAGAL
SEE SHEET 1
FOR CAPACITY

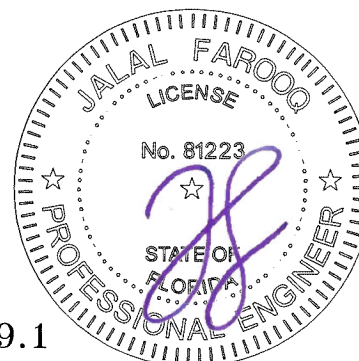
#14 X 2-7/8" FH SDS
AT 5" FROM ENDS
AND 11" O.C.

G REINF. ASTRAGAL
SEE SHEET 1
FOR CAPACITY

#14 X 2-7/8" FH SDS
AT 5" FROM ENDS
AND 11" O.C.

Sealed: 4/15/2025

FL #25959.1



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\18-06F-MG

SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:		no	date	by	description
date:	12-28-17				
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chk. by:					
drawing no.	18-06F				
sheet	7 of 11				

H FREE STANDING JAMBS

E6

E16

G1

#10 X 1" FH SMS
(2) PER CLIP

E4

SILICONE DOWSIL 790
DEPTH = 3/8" MIN.

CONCRETE
MASONRY
WOOD OR
METAL STRUCTURES

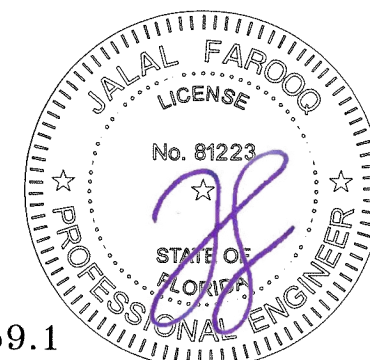
MAX. DOOR FRAME WIDTH

MIN. & MAX. GAP

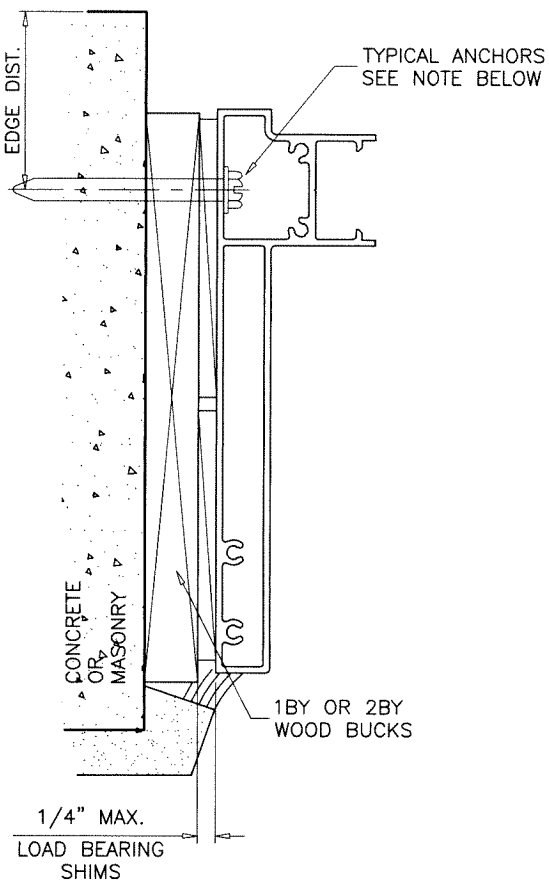
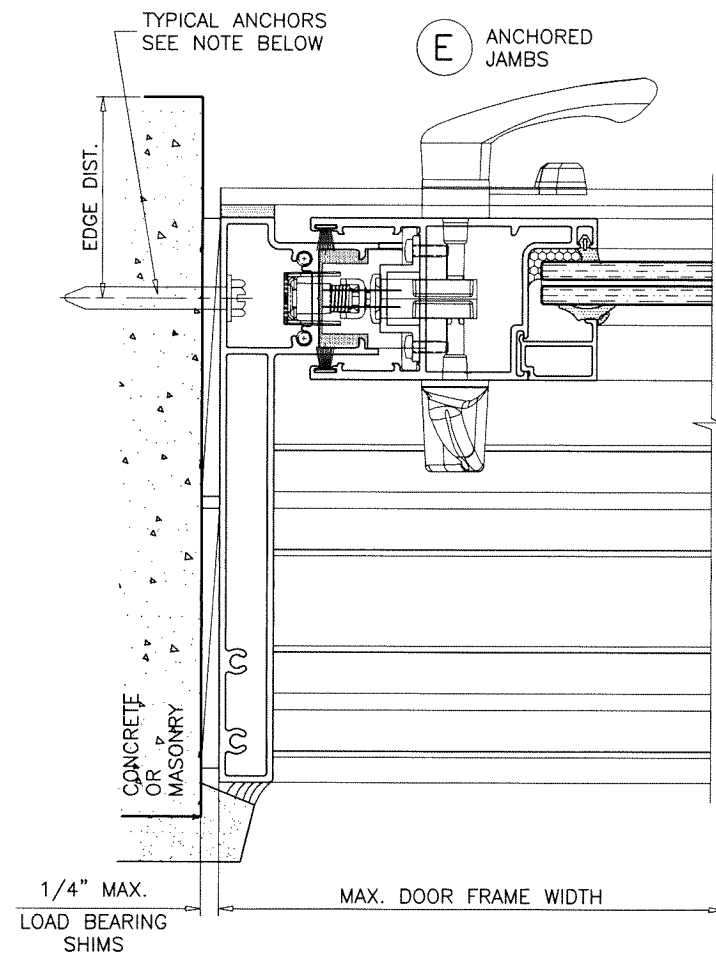
SEE CHART BELOW

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
96"	5/16"	3/4"
108"	3/8"	3/4"
120"	7/16"	3/4"

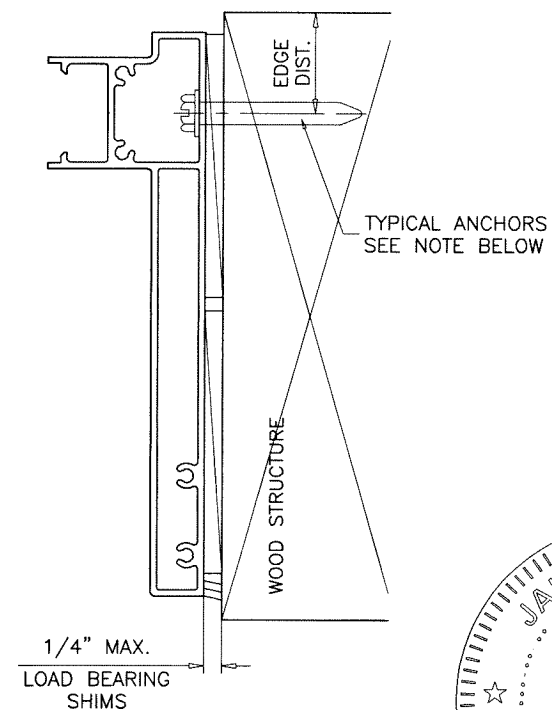
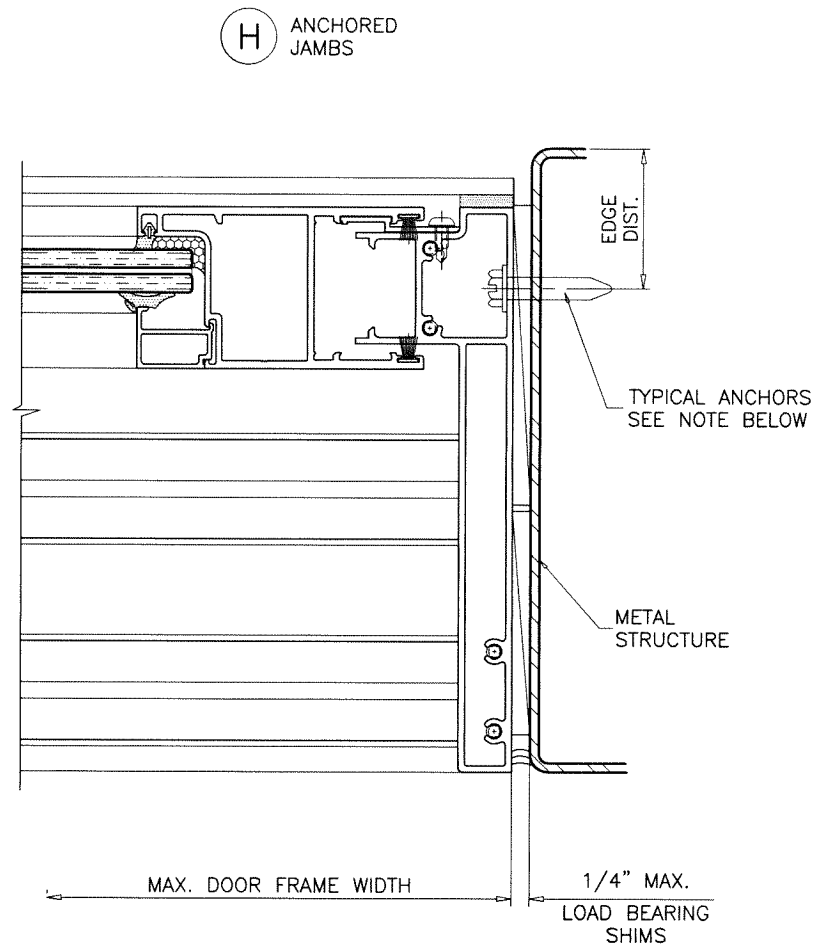
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sheet 8 of 11			

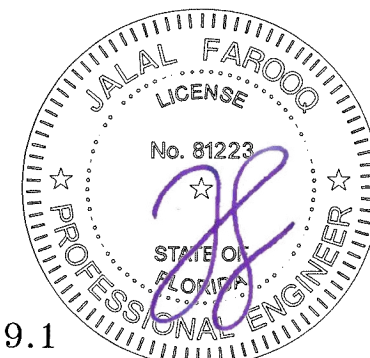


JAMB ANCHOR SPACING:
 6" FROM ENDS AND 10" O.C. MAX. FOR PANEL WIDTHS UP TO 60"
 6" FROM ENDS AND 8" O.C. MAX. FOR PANEL WIDTHS ABOVE 60"



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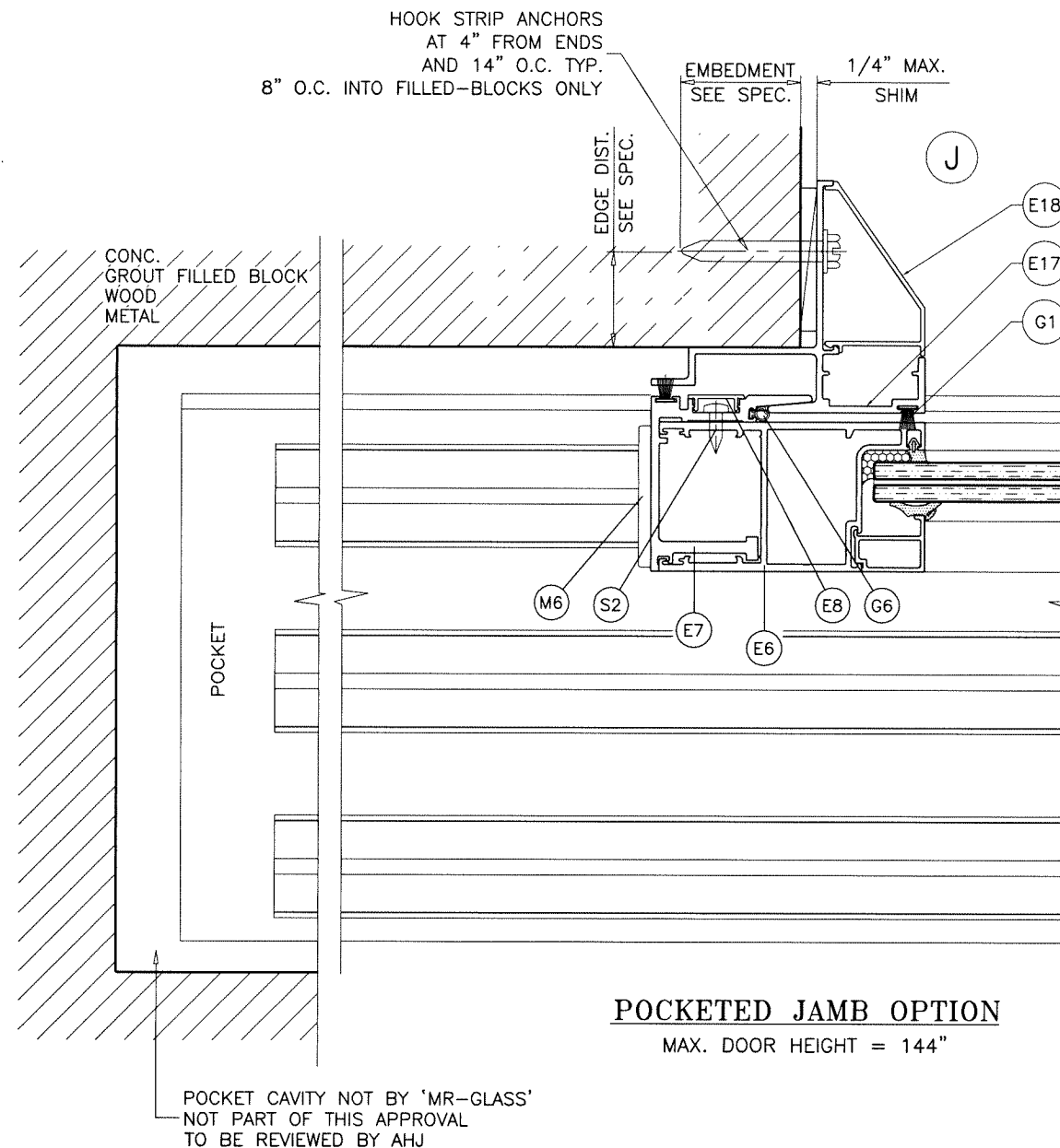
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sheet 8.1 of 11			



HOOK STRIP ANCHORS:

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

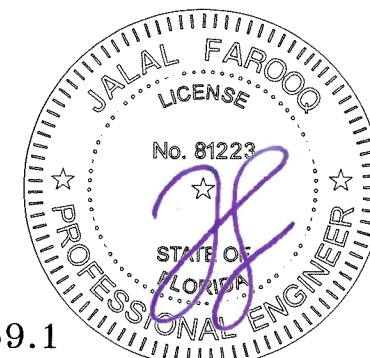
5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY BUCKS INTO CONC. OR FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS
DIRECTLY INTO CONC. OR FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS

5/16" DIA. TEKS OR SELF DRILLING SCREWS(GRADE 5 CRS)
INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
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)

ANCHOR EDGE DISTANCES

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

WOOD AT JAMBS SG = 0.55 MIN.
CONCRETE AT JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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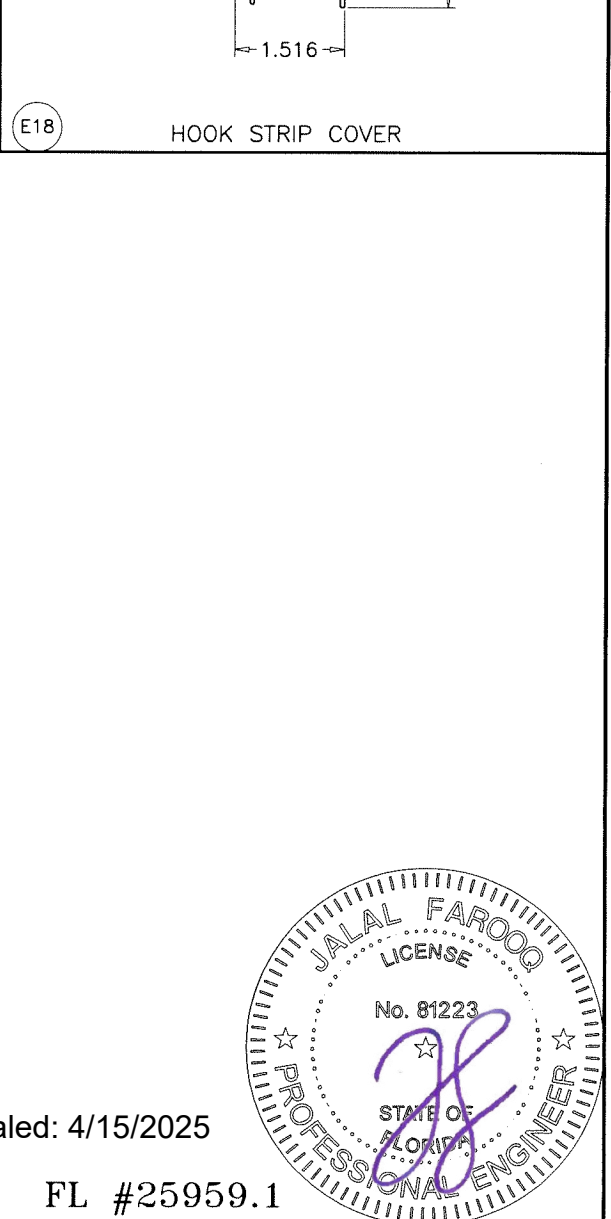
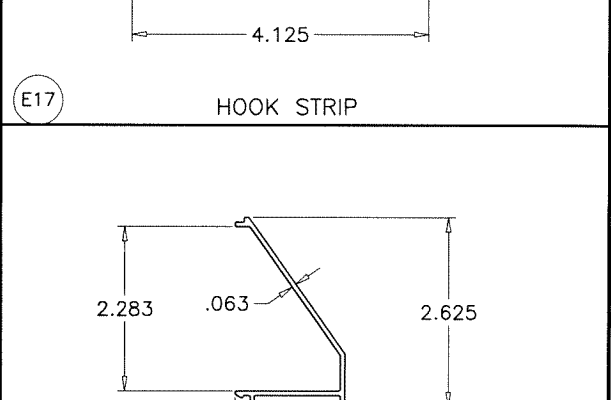
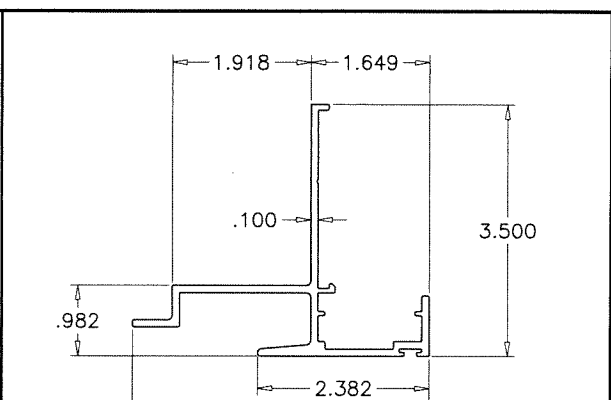
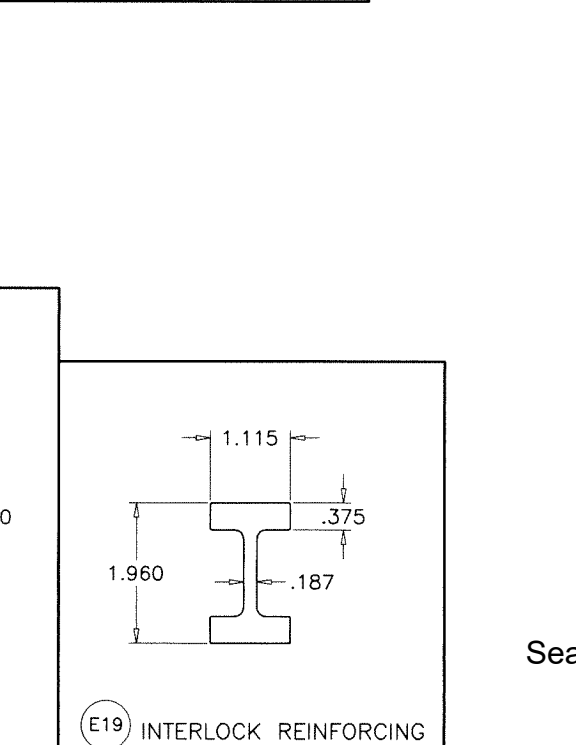
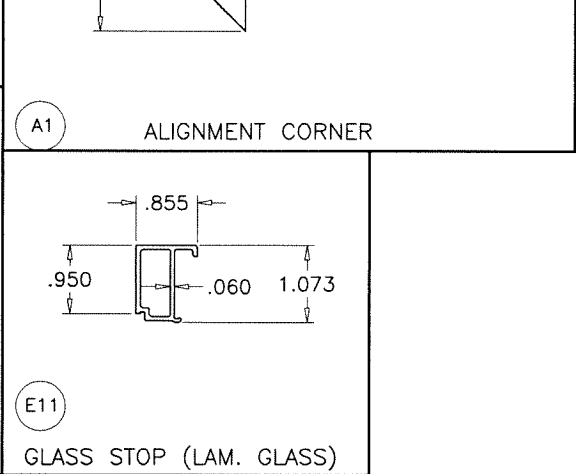
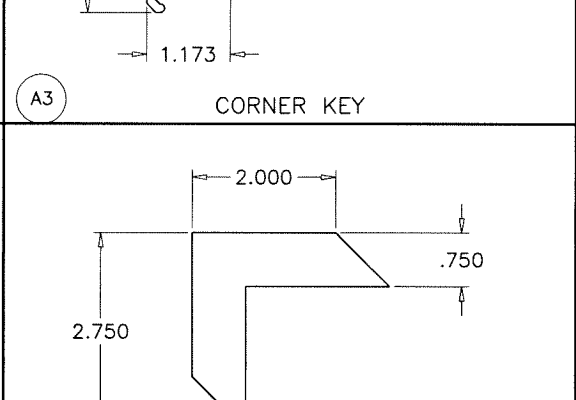
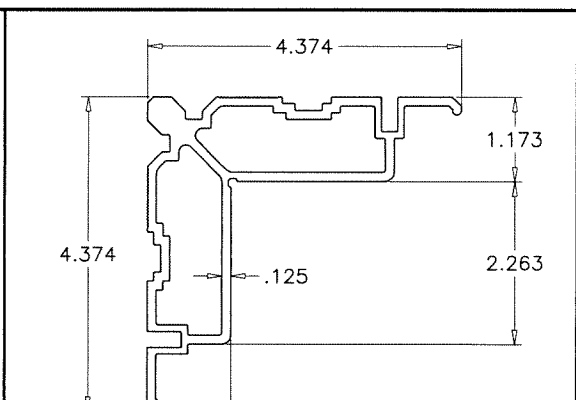
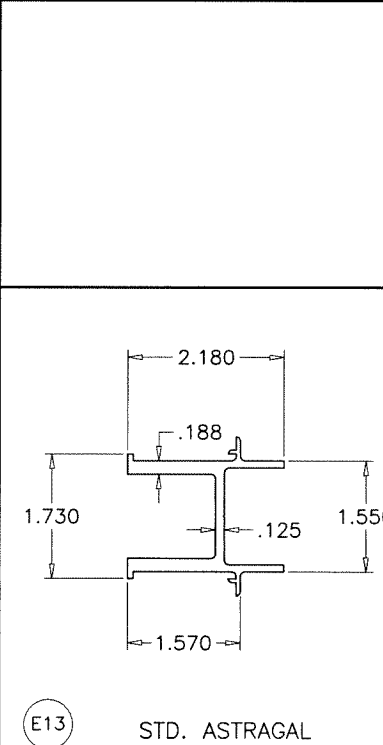
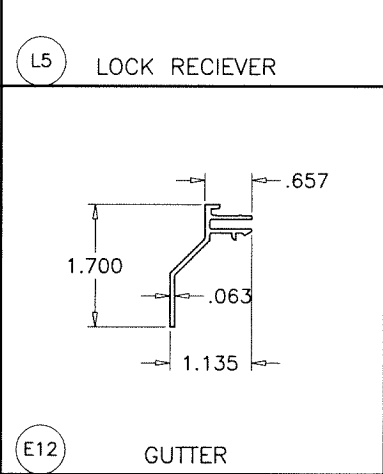
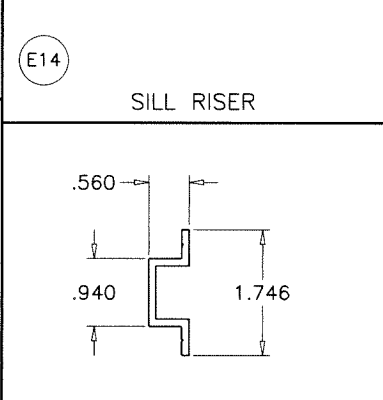
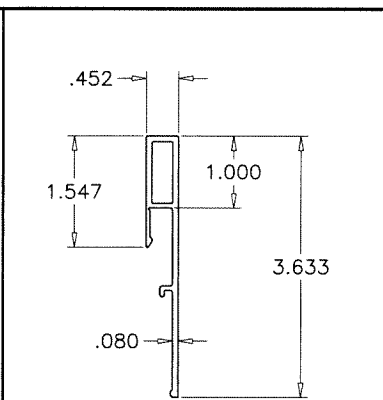
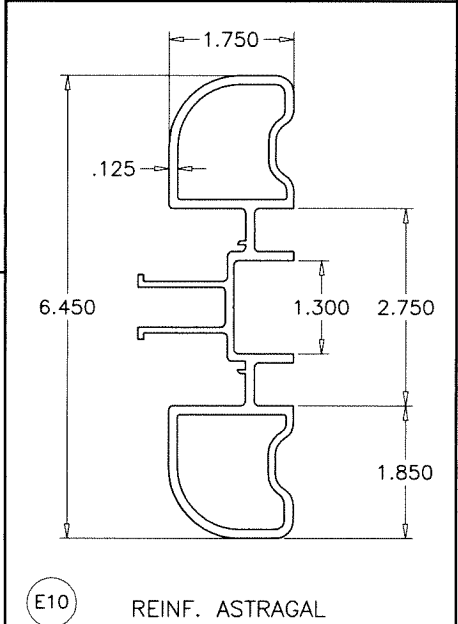
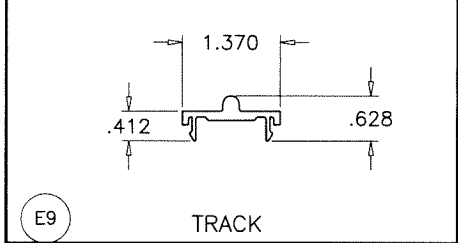
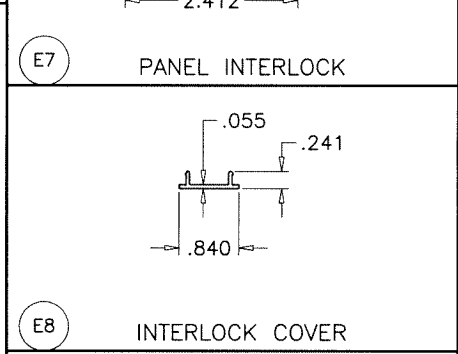
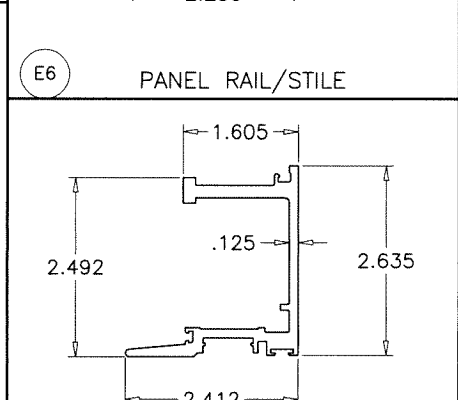
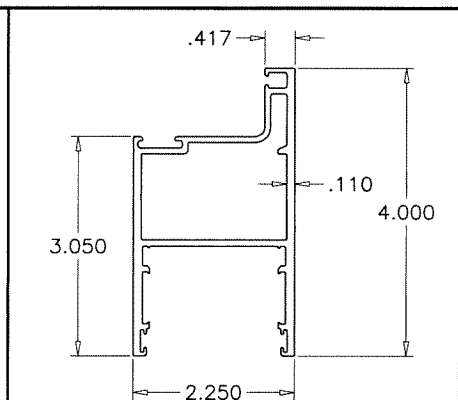
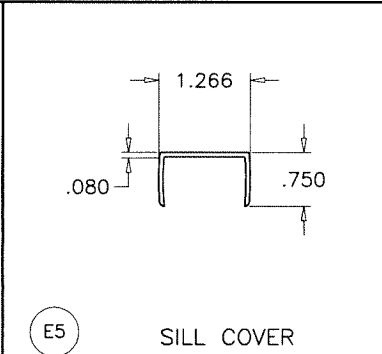
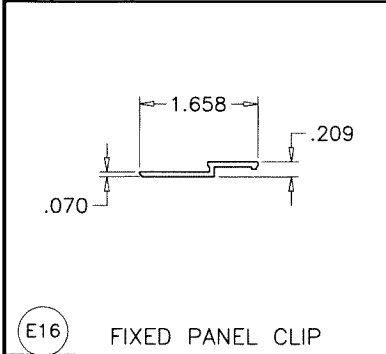
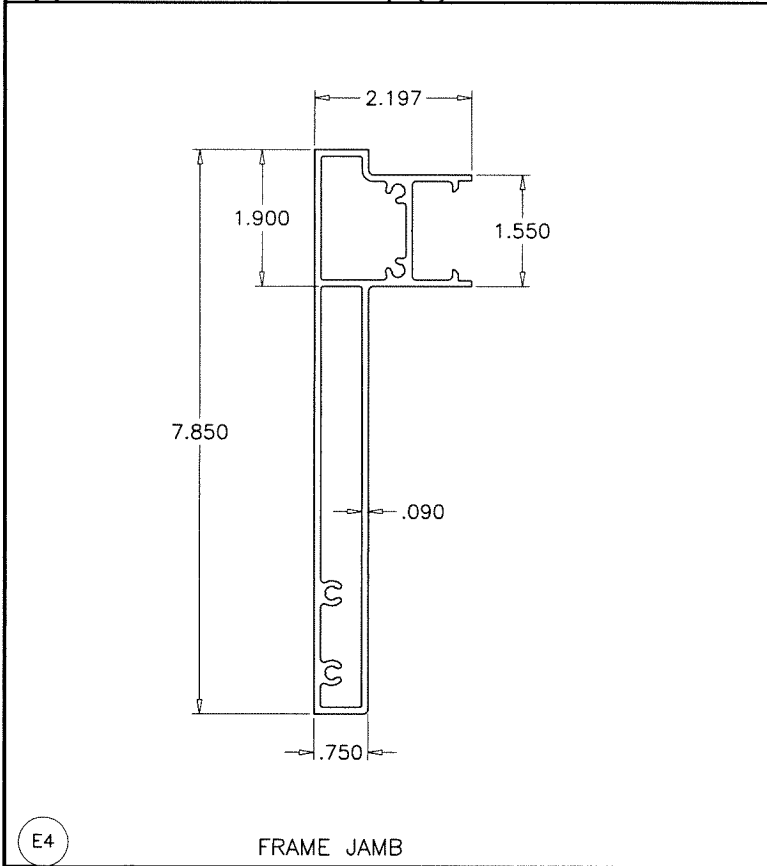
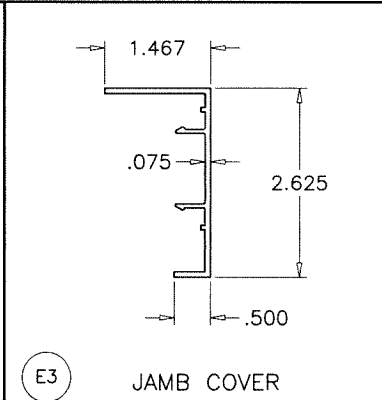
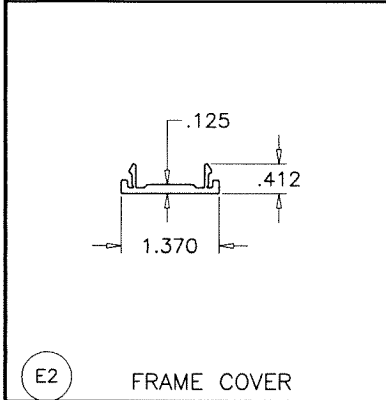
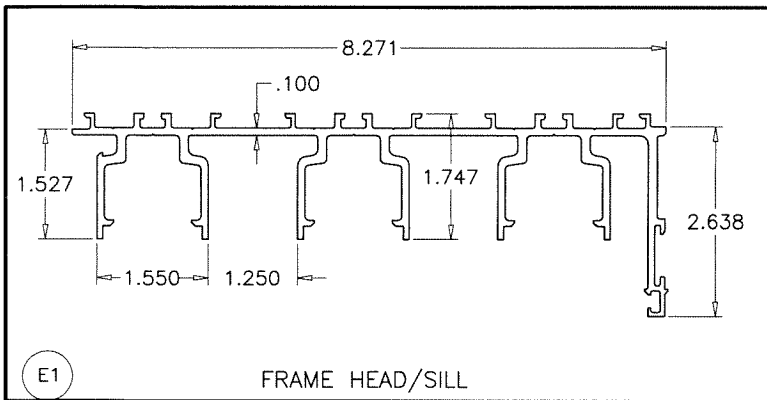
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sheet 8.2 of 11



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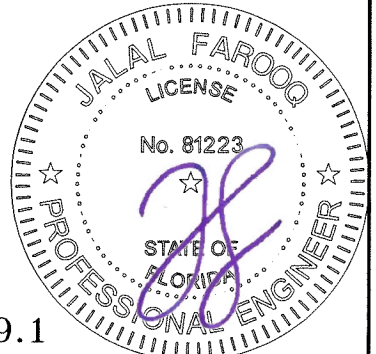
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ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	E-1101	2	FRAME HEAD/SILL	6063-T6	-
E2	E-1008	AS REQD.	FRAME COVER	6063-T5	-
E3	-	AS REQD.	JAMB COVER	6063-T5	-
E4	E-1102	2	FRAME JAMB	6063-T6	-
E5	E-9006	AS REQD.	SILL COVER	6063-T5	-
E6	E-1010	AS REQD.	PANEL RAIL/STILE	6005-T5	-
E7	E-1011	AS REQD.	PANEL INTERLOCK	6005-T5	-
E8	E-1018	AS REQD.	INTERLOCK COVER	6063-T5	-
E9	E-1007	1/ MOV. PANEL	TRACK	6063-T5	-
E10	E-1013	AS REQD.	REINF. ASTRAGAL	6005-T5	-
E11	E-9001	4/ PANEL	GLASS STOP (LAM. GLASS)	6063-T6	-
E12	E-1016	AS REQD.	GUTTER	6063-T5	-
E13	E-1012	AS REQD.	STD. ASTRAGAL	6005-T5	-
E14	E-1014	AS REQD.	3-5/8" SILL RISER	6063-T6	-
E16	E-1021	3/ PANEL	FIXED PANEL CLIP, AT 17" FROM ENDS & 40" O.C.	6063-T5	EACH FASTENED WITH (2) #10 X 1" FH SMS
E17	E-1022	AS REQD.	HOOK STRIP	6063-T6	-
E18	E-1023	AS REQD.	HOOK STRIP COVER	6063-T6	-
E19	E-9008	AS REQD.	INTERLOCK REINFORCING	6063-T6	-
G1	W71325NK	AS REQD.	TRI FIN PILE W'STRIPPING	-	ULTRAFAB
G2	-	AS REQD.	COMPRESSION GASKET	EPDM	DUROMETER 70±5 SHORE A
G3	G10-03	AS REQD.	OFFSET GLAZING GASKET	SANTOPRENE	DUROMETER 70±5 SHORE A
G4	G10-04	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 70±5 SHORE A
G5	G10-06	AS REQD.	AIR SEAL GASKET	SANTOPRENE	ULTRAFAB
G6	G10-06	AS REQD.	INTERLOCK GASKET	POLYPROPYLENE	ULTRAFAB
G8	-	-	1/4" THK. FOAM PAD	POLYETHYLENE	-
G9	G10-09	-	AIR SEAL BRIDGE AT INTERLOCK	POLYAMIDE	-
G10	-	-	AIR SEAL BRIDGE AT MTG. STILE	POLYAMIDE	-
G11	-	AS REQD.	SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
A1	A10-01	-	ALIGNMENT CORNER	6063-T5	-
A3	E-9005	-	CORNER KEY	6063-T6	-
L1	L10-01	-	2 POINT MORTISE LOCK & HANDLE	-	INTERLOCK
L2	PS01-7102	-	2 POINT MORTISE LOCK & HANDLE	-	INTERLOCK
L3	PS01-1005	-	ADJUSTABLE STRIKER	-	INTERLOCK
L5	E-1017	-	LOCK RECIEVER	6063-T5	-
M1	M10-10A	2 PANEL	ROLLER ASSEMBLY AT 9" FROM ENDS	ST. STEEL/ACETAL	FASTENED WITH (2) 12-24 X 3/4" PH MS
M6	M10-06	AS REQD.	PANEL GUIDES	NYLON	-
M7	M10-07	AS REQD.	PANEL GUIDES	NYLON	-
S1	#12 X 1 1/2"	4/ CORNER	FRAME ASSEMBLY FASTENERS	ST. STEEL	HWH SDS
S2	10-24 X 1/2"	AS REQD.	INTERLOCK FASTENERS, AT 6" FROM ENDS AND 12" O.C.	ST. STEEL	PH TC MS
S3	#8-18 X 1/2"	AS REQD.	LOCK RECIEVER FASTENERS	AISI 304	PHILIP PH SMS
S4	#10 X 1/2"	AS REQD.	PANEL ASSEMBLY FASTENERS	ST. STEEL	FH SMS

SEALANT:

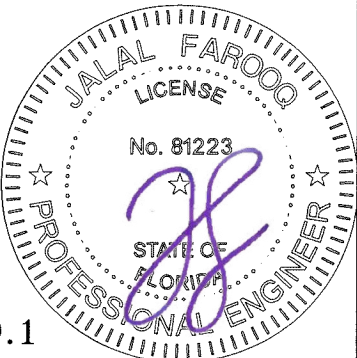
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

LOCKS:

SURFACE MOUNT METALLIC THREE PLY DUAL HOOK LOCK AT 38-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) 10-24 X 1/2" FH TC MS

SURFACE MOUNT METALLIC HANDLE AT 38-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) 8-32 X 2-5/8" FH MS

SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 38 1/2" FROM BOTTOM FASTENED WITH (1) #14 X 2-7/8" FH SDS AND (1) 12-24 X 1/2" PH MS



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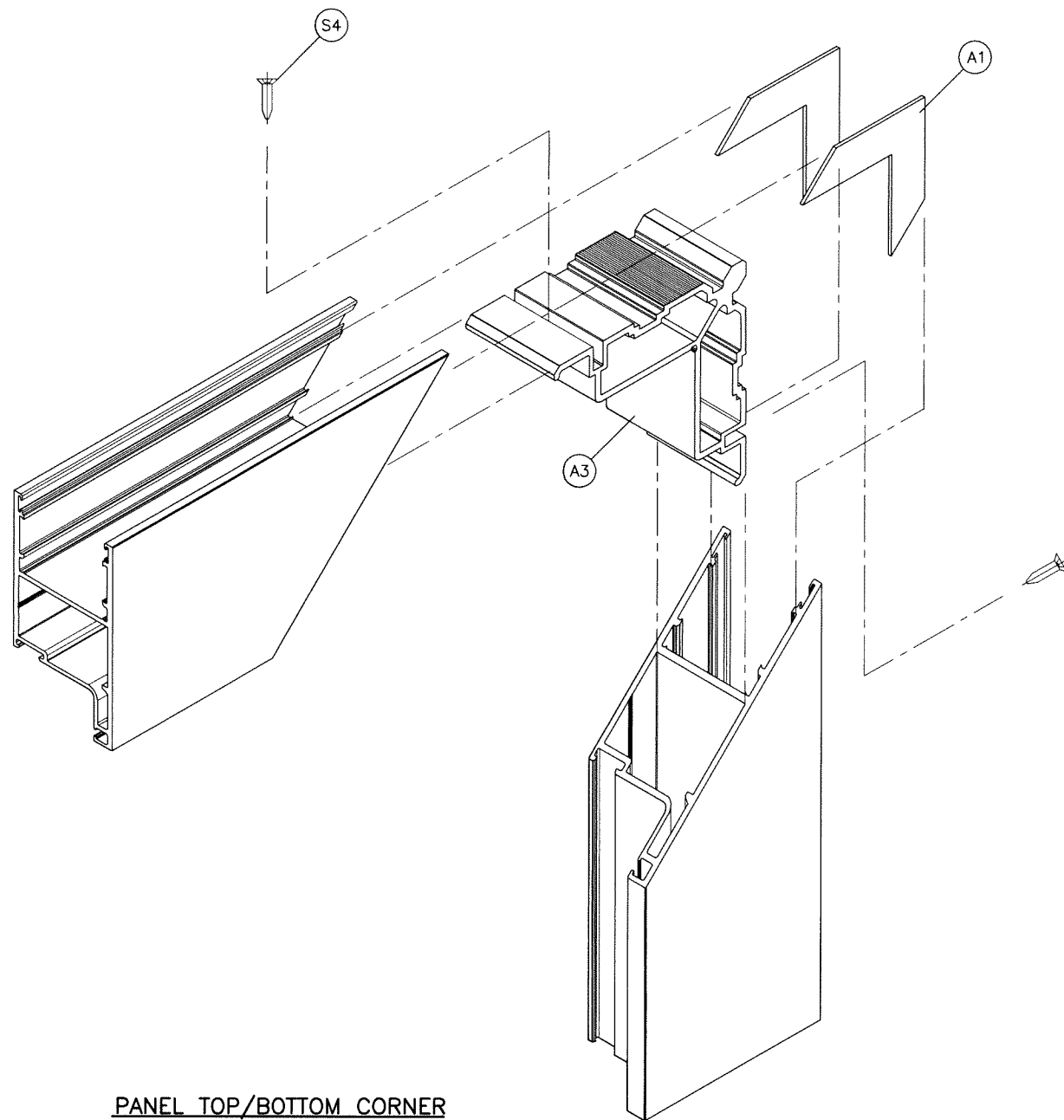
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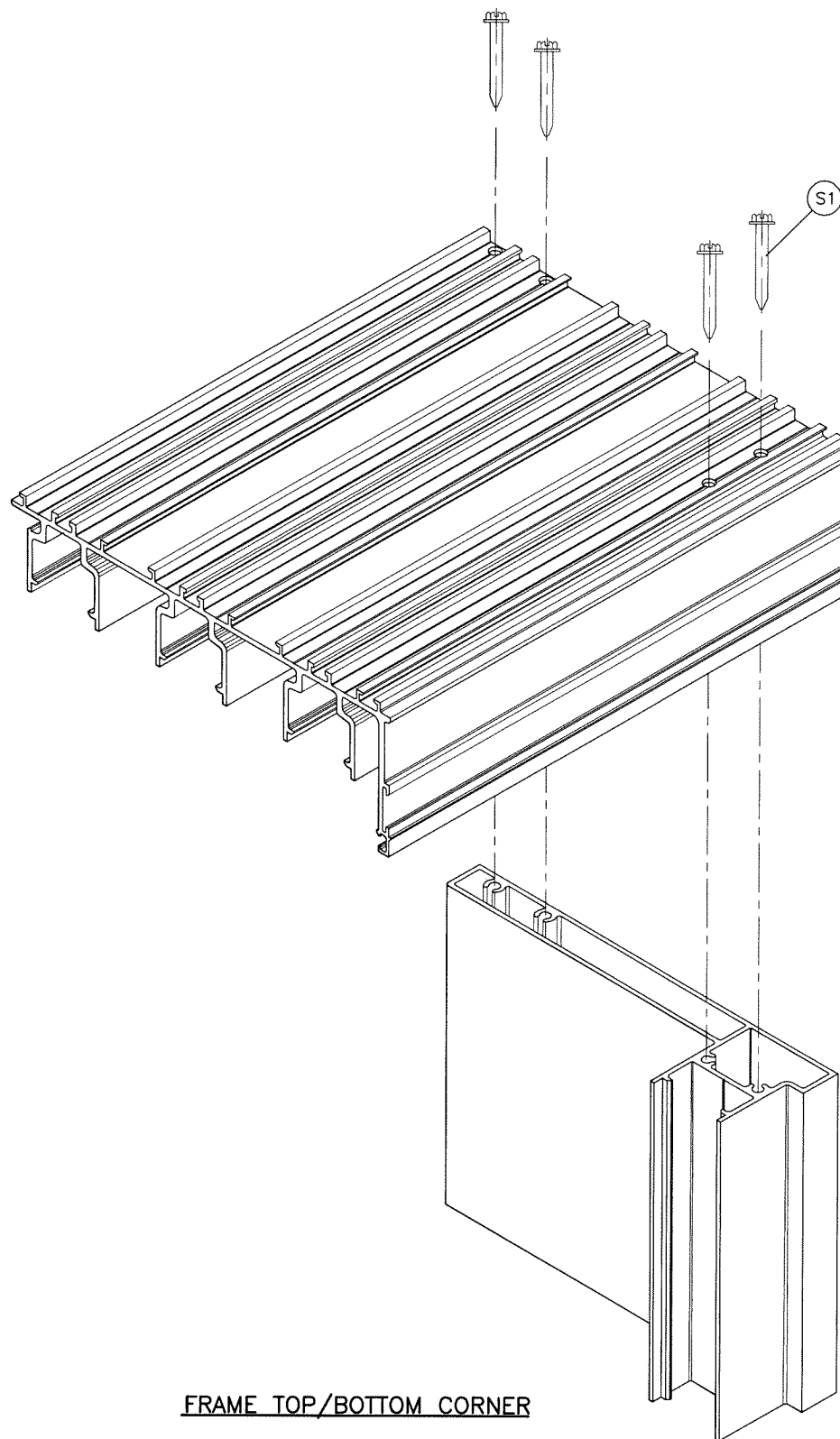
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sheet 10 of 11

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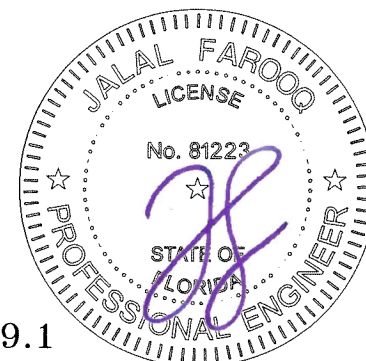
PANEL TOP/BOTTOM CORNER



FRAME TOP/BOTTOM CORNER

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