

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

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

FL 25959

Date: 01/25/18

Detailed Product Description:

Manufacturer: MR. GLASS DOORS AND WINDOWS INC.

Manufacturer Address: 8120 NW 84TH STREET, MEDLEY, FL 33166

Model Name: SERIES MG-1100 ALUMINUM SLIDING GLASS DOOR

Maximum Panel Width: 60"

Maximum Frame Height: 120"

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.					
The above maximum parameters do not occur simultaneously. See installation drawings for combination of span vs loads.					
Comparative analysis used <u> X </u> Yes <u> ___ </u> 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	10/23/2015	8590	Idalmis Ortega, P.E.
		Hurricane Engineering & Testing, Inc.	10/25/2015	8591 8594	
			11/28/2017	HETI-17-5078 HETI-17-5084	
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory	10/23/2015	8590	Idalmis Ortega, P.E.
		Hurricane Engineering & Testing, Inc.	10/25/2015	8591 8594	
			11/28/2017	HETI-17-5078 HETI-17-5084	
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory	10/23/2015	8590	Idalmis Ortega, P.E.
		Hurricane Engineering & Testing, Inc.	10/25/2015	8591 8594	
			11/28/2017	HETI-17-5078 HETI-17-5084	
ASTM F842	Forced Entry	Fenestration Testing Laboratory	10/23/2015	8590	Idalmis Ortega, P.E.
		Hurricane Engineering & Testing, Inc.	10/25/2015	8591 8594	
			11/28/2017	HETI-17-5078 HETI-17-5084	

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

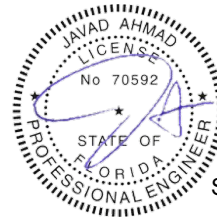
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
FBC 1626.2 (TAS 201 & 203)	Large Missile Impact & Cyclic	Fenestration Testing Laboratory	10/23/2015	8590 8592 8596 8593 8591	Idalmis Ortega, P.E.
		Hurricane Engineering & Testing, Inc.	11/28/2017	HETI-17-5079 HETI-17-5085	Rafael E.Droz-Seda, P.E.

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 2017 Florida Building Code.

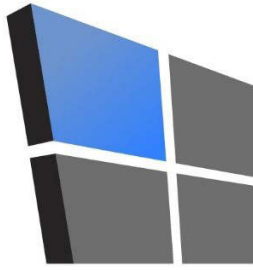
Evaluation Report Engineer:

Javad Ahmad
Al-Farooq Corporation

PE # 70592
EB # 3538



Sealed: 1/26/2018



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

January 26, 2018

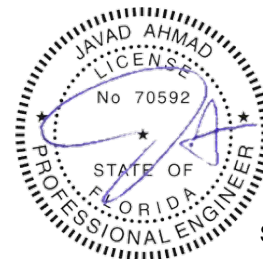
Product Approval Administrator
Building Codes & Standards Section
Department of Business & Professional Regulations
1940 North Monroe Street, Suite 90
Tallahassee, FL 32399-2100

Ref: Mr. Glass Doors & Windows, Inc.
Series MG-1100 Aluminum Sliding Glass Door (L.M.I. and S.M.I.)
Certificate of Independence

Dear Sirs,

As the design engineer retained by Mr. Glass Doors & Windows, Inc. on the product referenced above, I do hereby declare that I do not have and will not have any financial interest in any company manufacturing or distributing the above referenced product, nor do I have or will have any financial interest with any other entity involved in the approval process of the product.

Sincerely,



Sealed: 1/26/2018

Javad Ahmad, P.E.
Chief Engineer

DOOR DESIGN LOAD CAPACITY - PSF							
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	STD. ASTRAGAL				REINF. ASTRAGAL	
		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1' 'C' & 'C1'		GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	82-7/8	80.0	100.0	80.0	80.0	80.0	100.0
36		80.0	100.0	80.0	80.0	80.0	100.0
42		80.0	100.0	80.0	80.0	80.0	100.0
48		80.0	100.0	80.0	80.0	80.0	100.0
54		71.1	88.9	71.1	80.0	80.0	88.9
60		64.0	80.0	-	-	64.0	80.0
30	84	80.0	100.0	80.0	80.0	80.0	100.0
36		80.0	100.0	80.0	80.0	80.0	100.0
42		80.0	100.0	80.0	80.0	80.0	100.0
48		80.0	100.0	80.0	80.0	80.0	100.0
54		71.1	88.9	71.1	80.0	71.1	88.9
60		64.0	80.0	-	-	64.0	80.0
30	90	80.0	100.0	80.0	80.0	80.0	100.0
36		80.0	100.0	80.0	80.0	80.0	100.0
42		80.0	100.0	80.0	80.0	80.0	100.0
48		80.0	100.0	80.0	80.0	80.0	100.0
54		71.1	88.9	-	-	71.1	88.9
60		-	-	-	-	64.0	80.0
30	96	80.0	100.0	80.0	80.0	80.0	100.0
36		80.0	100.0	80.0	80.0	80.0	100.0
42		80.0	100.0	80.0	80.0	80.0	100.0
48		80.0	100.0	80.0	80.0	80.0	100.0
54		71.1	88.9	-	-	71.1	88.9
60		-	-	-	-	64.0	80.0
30	102	80.0	100.0	-	-	80.0	100.0
36		80.0	100.0	-	-	80.0	100.0
42		80.0	100.0	-	-	80.0	100.0
48		80.0	100.0	-	-	80.0	100.0
50		-	-	-	-	76.8	96.0
52		-	-	-	-	73.8	92.3
54	-	-	-	-	71.1	88.9	
56	-	-	-	-	68.6	85.7	
30	108	80.0	100.0	-	-	80.0	100.0
36		80.0	100.0	-	-	80.0	100.0
42		80.0	100.0	-	-	80.0	100.0
48		80.0	100.0	-	-	80.0	100.0
50		-	-	-	-	76.8	96.0
52		-	-	-	-	73.8	92.3
30	114	-	-	-	-	80.0	100.0
36		-	-	-	-	80.0	100.0
42		-	-	-	-	80.0	100.0
48		-	-	-	-	80.0	100.0
50		-	-	-	-	76.8	96.0
52		-	-	-	-	73.8	92.3
30	120	-	-	-	-	80.0	100.0
36		-	-	-	-	80.0	100.0
42		-	-	-	-	80.0	100.0
48		-	-	-	-	80.0	100.0
50		-	-	-	-	76.8	96.0
52		-	-	-	-	73.8	92.3

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. (-)
30	82-7/8	100.0	100.0	100.0
36		100.0	100.0	100.0
42		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
30	84	100.0	100.0	100.0
36		100.0	100.0	100.0
42		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
30	90	100.0	100.0	100.0
36		100.0	100.0	100.0
42		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
30	96	100.0	100.0	100.0
36		100.0	100.0	100.0
42		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
30	102	100.0	100.0	100.0
36		100.0	100.0	100.0
42		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	
30	108	100.0	100.0	100.0
36		100.0	100.0	100.0
42		100.0	100.0	100.0
48		100.0	98.7	100.0
50		100.0	94.7	100.0
52		100.0	91.1	100.0
30	114	100.0	100.0	100.0
36		100.0	100.0	100.0
42		100.0	100.0	100.0
48		100.0	93.5	100.0
50		100.0	89.7	100.0
52		100.0	88.8	100.0
30	120	100.0	100.0	100.0
36		100.0	100.0	100.0
42		100.0	100.0	100.0
48		100.0	88.8	100.0
50		100.0	88.8	100.0
52		100.0	88.8	100.0

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR CAPACITY FROM TABLE ON SHEET 1 FOR THE GLASS TYPE USED.
- STEP 3** USING CHARTS ON SHEET 1 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 2017 (6TH 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.

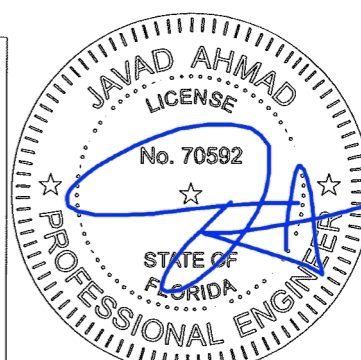
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

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.

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- 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.



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

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

REINF. ASTRAGAL ONLY IN CONFIGURATIONS THAT REQUIRE ASTRAGAL.

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-9978
COMP-ANL\18-06F-MG

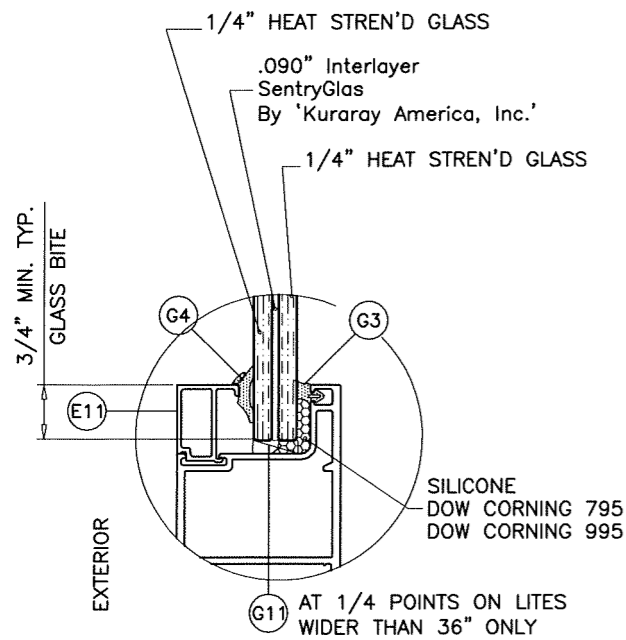
SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)

MR. GLASS DOORS & WINDOWS INC.
8120 N.W. 84 STREET
MEDLEY, FL. 33166
TEL. (305) 470-8284 FAX. (305) 470-8285

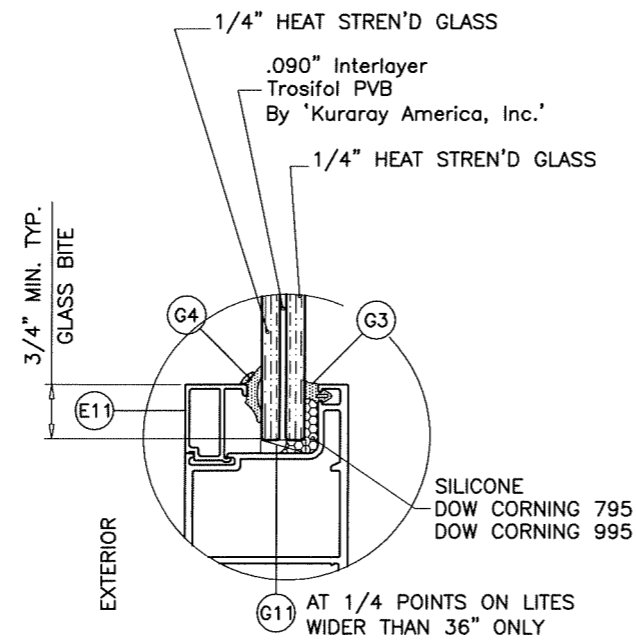
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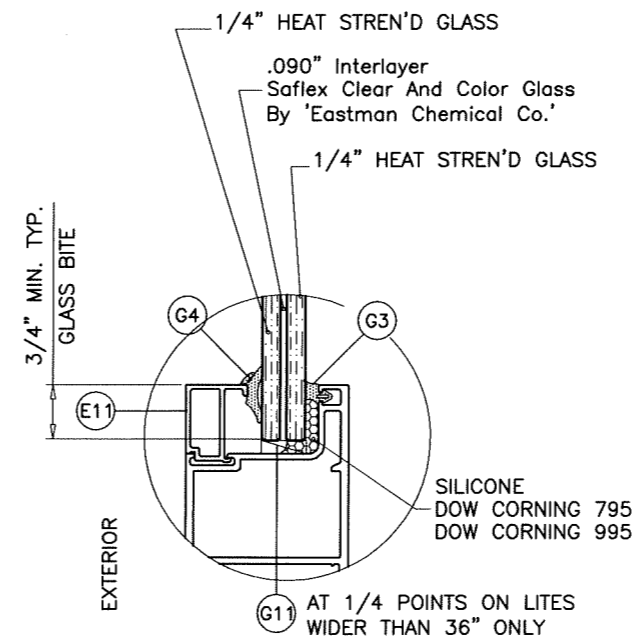
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sheet 1 of 11



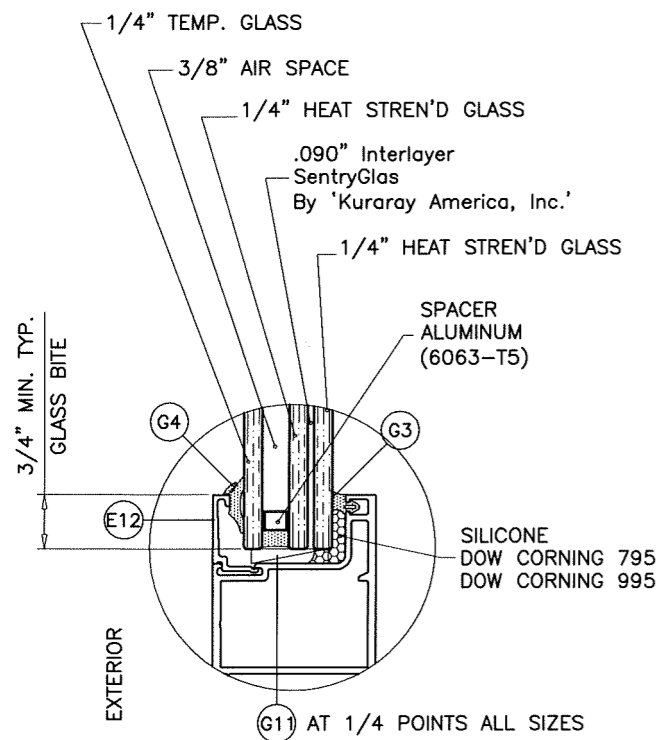
GLASS TYPE 'A'
9/16" OVERALL LAMINATED GLASS



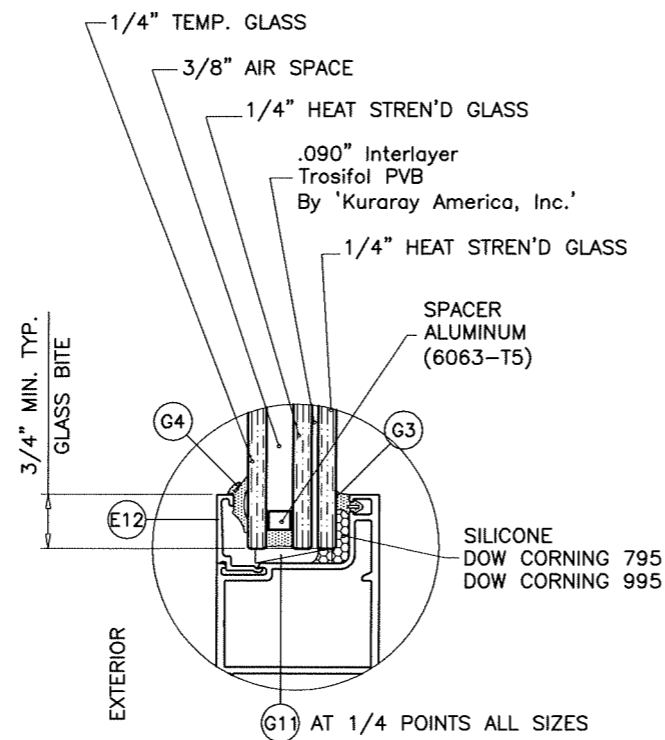
GLASS TYPE 'B'
9/16" OVERALL LAMINATED GLASS



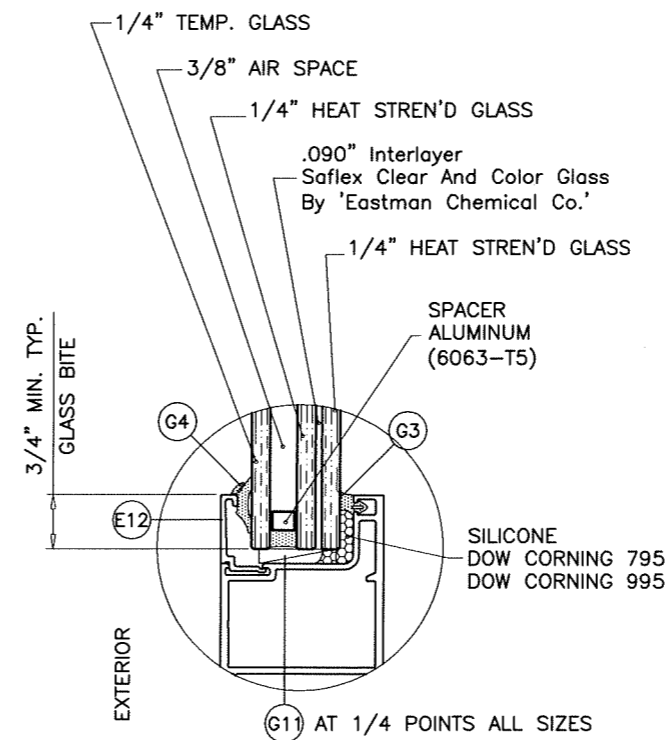
GLASS TYPE 'C'
9/16" OVERALL LAMINATED GLASS



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

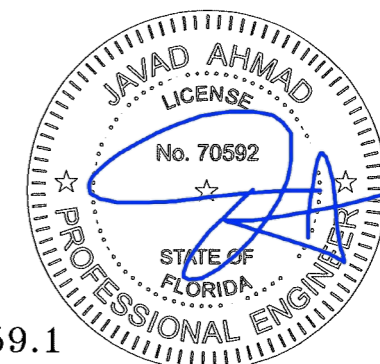


GLASS TYPE 'BI'
1-3/16" OVERALL INSUL. LAM. GLASS



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

GLAZING OPTIONS



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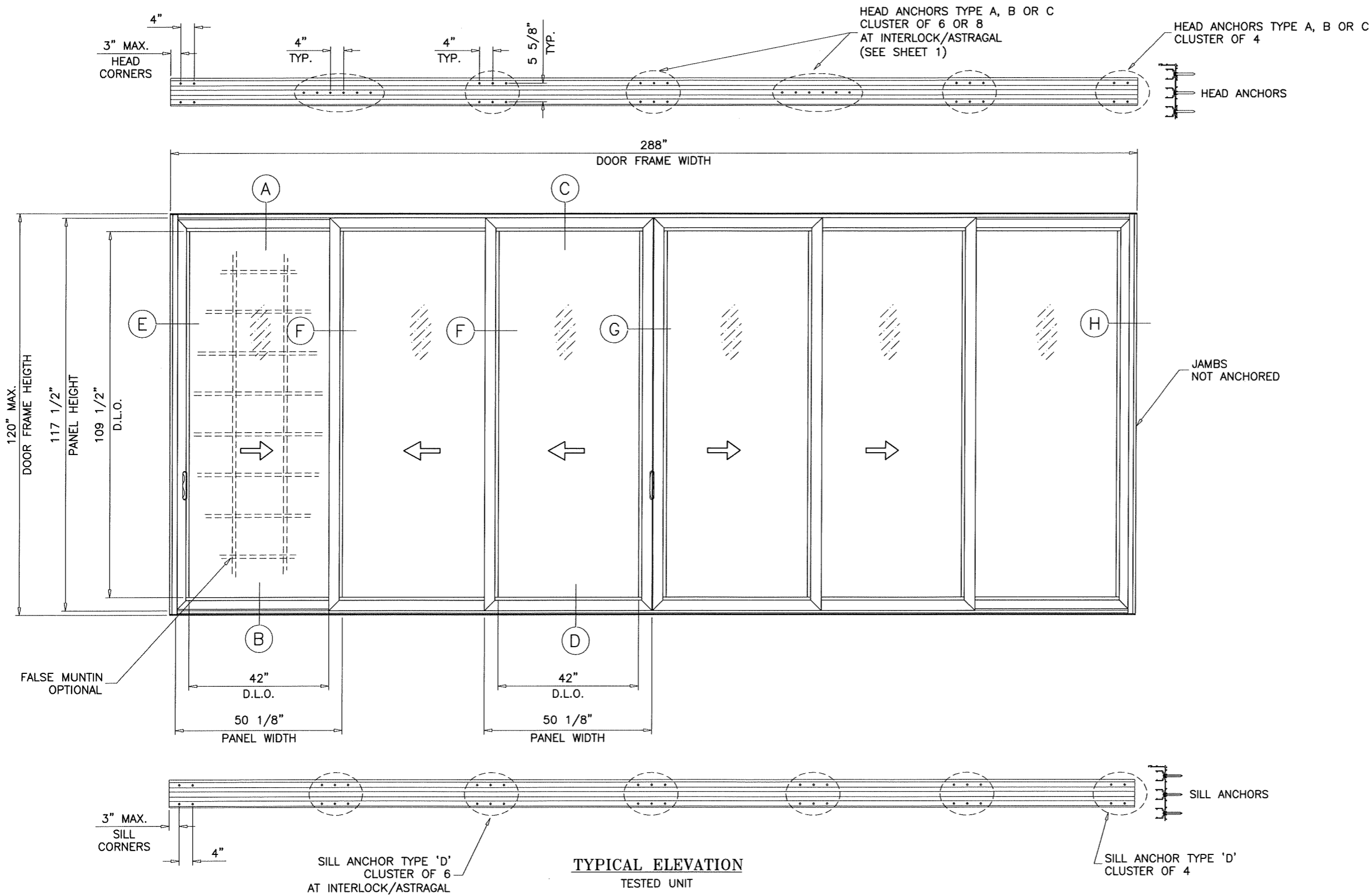
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AL-FAROOQ CORPORATION
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revisions:	no	date	by	description

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

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18-06F
 sheet 2 of 11



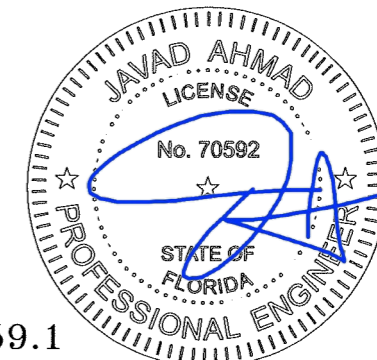
TYPICAL ELEVATION
TESTED UNIT

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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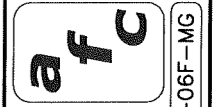
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revisions:	
no	date by description

date: 12-28-17
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
18-06F

sheet 3 of 11



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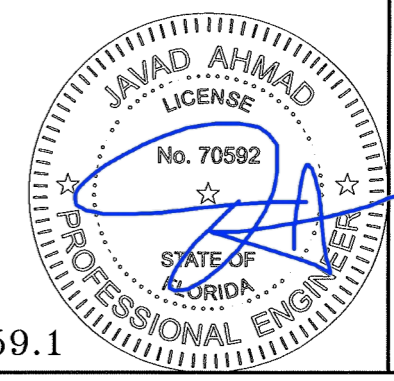
- NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. FOR APPLICABLE DESIGN PRESSURES SEE INSTRUCTIONS IN SHEET 1.
 3. FOR ANCHOR DETAILS SEE SHEETS 5 AND 6.
 4. DOOR CONFIGURATIONS SHOWN WITH STD. ASTRAGAL ONLY. USE REINF. ASTRAGAL AS REQUIRED SEE SHEET 1 FOR CAPACITY AND SHEET 7 FOR DETAIL.

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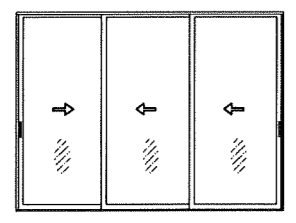
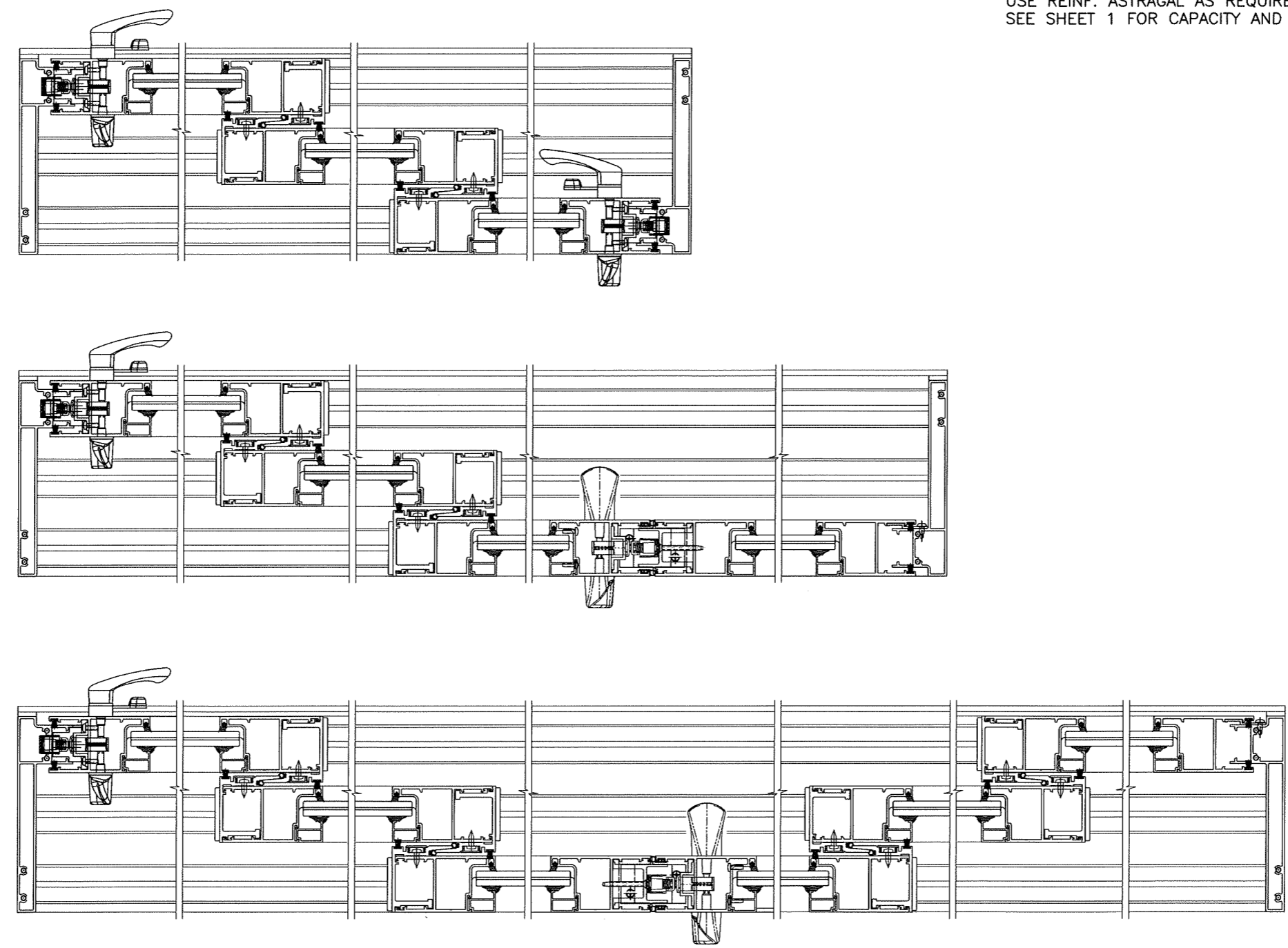
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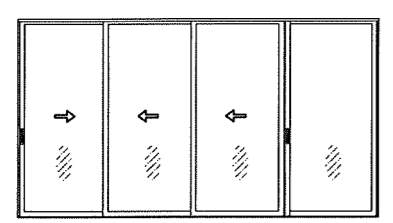
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18-06F
 sheet 4 of 11



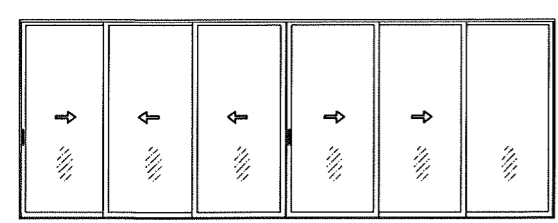
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XXX (SHOWN & REVERSE)
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 OXX

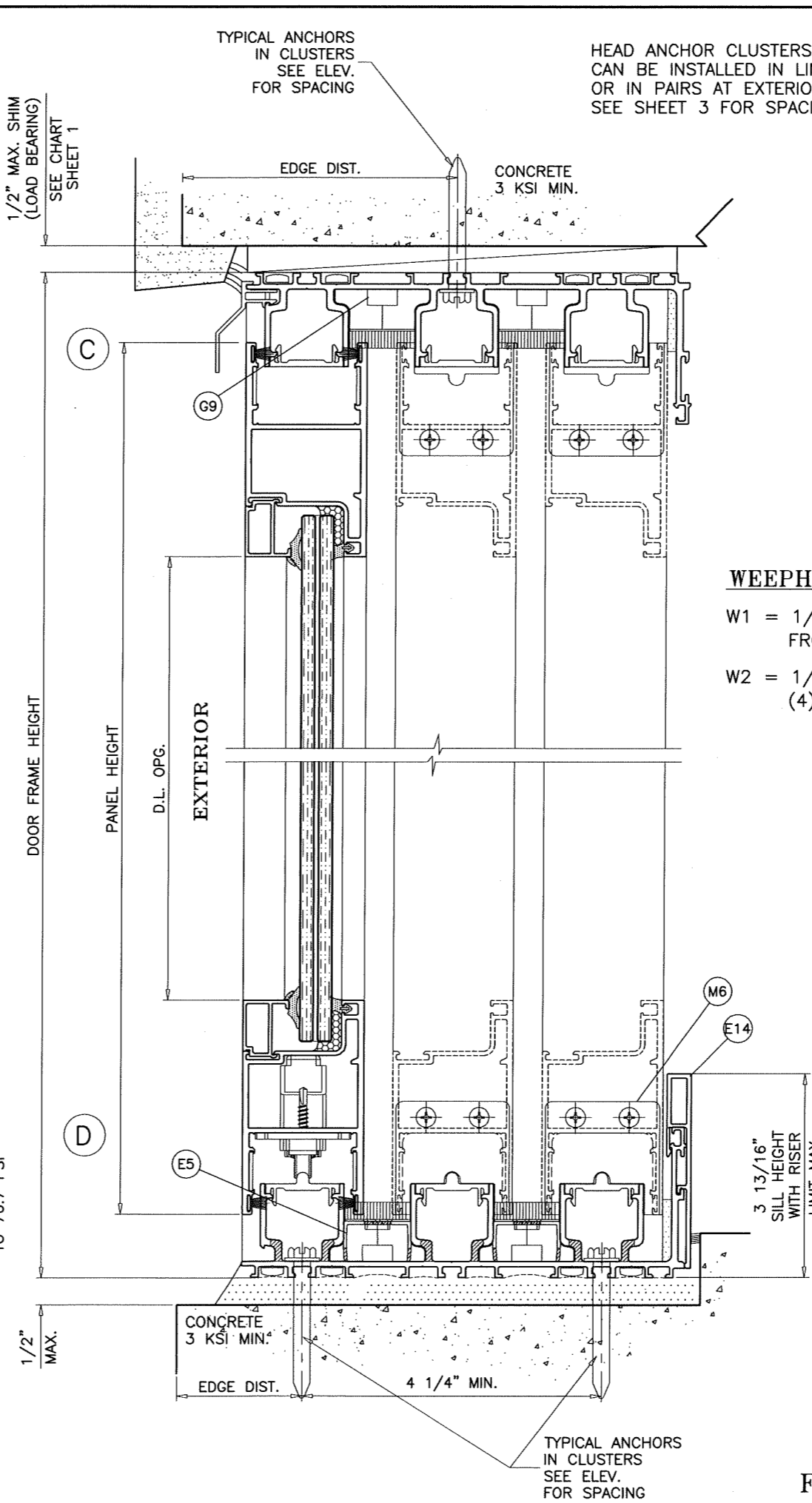
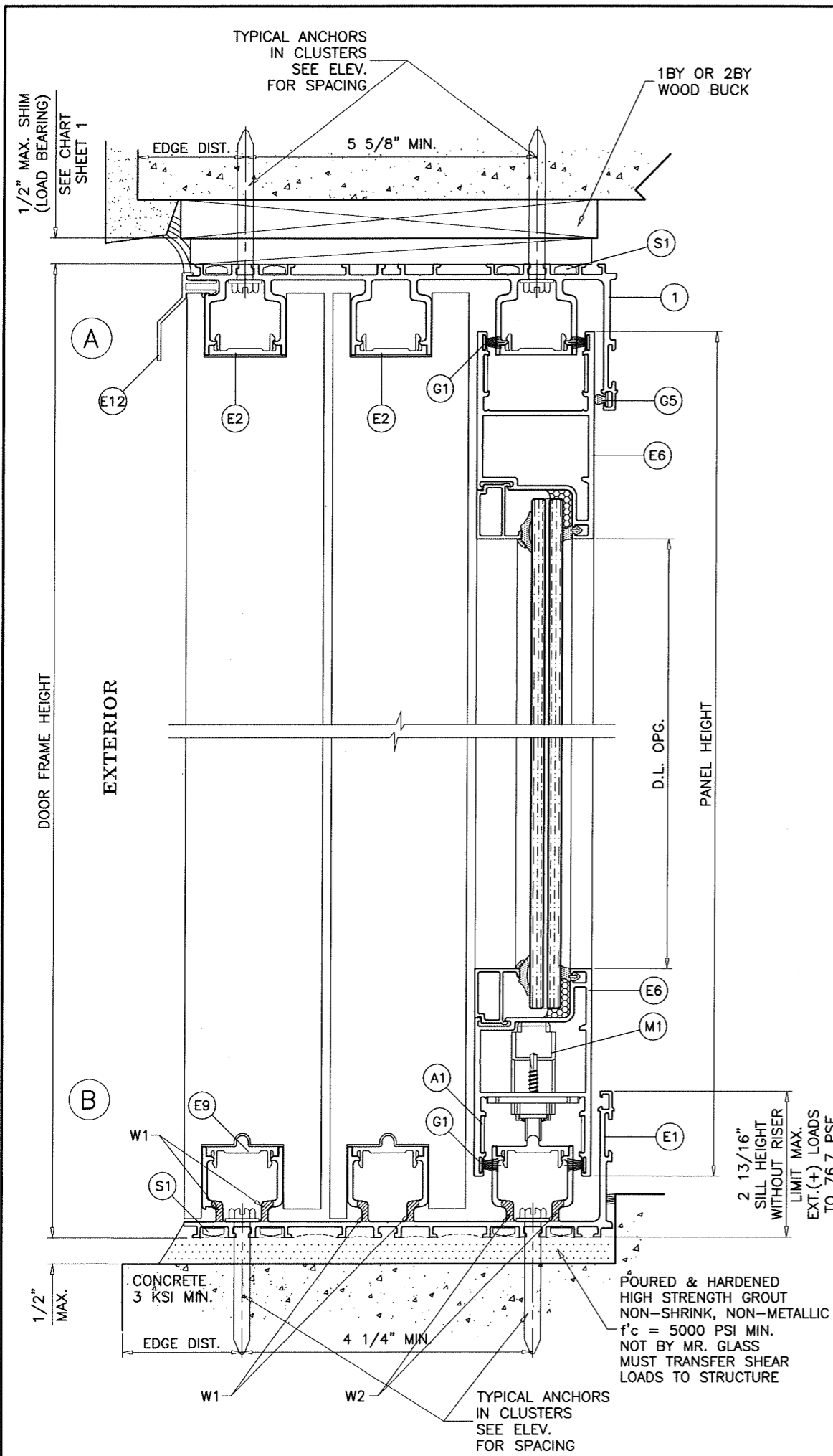


XXX-O (SHOWN & REVERSE)
 O-XXX



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

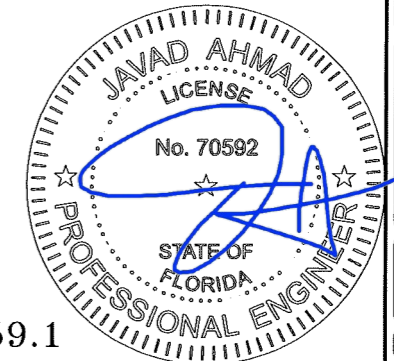
APPROVED CONFIGURATIONS



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

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.



FL #25959.1

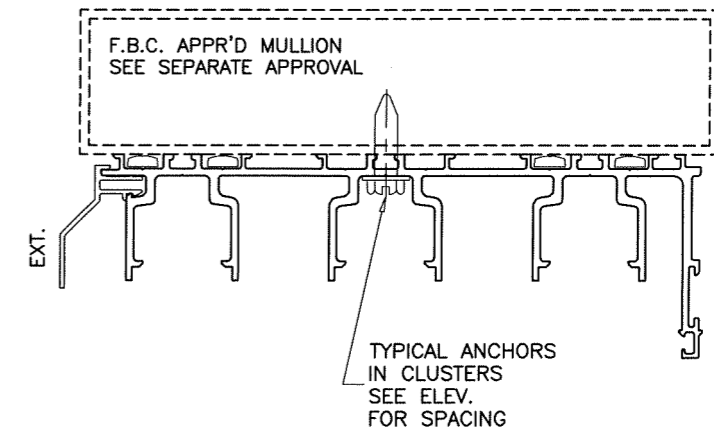
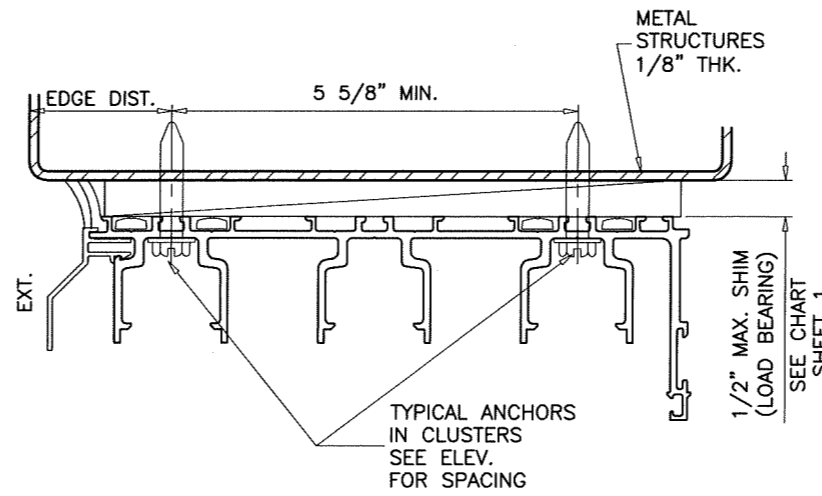
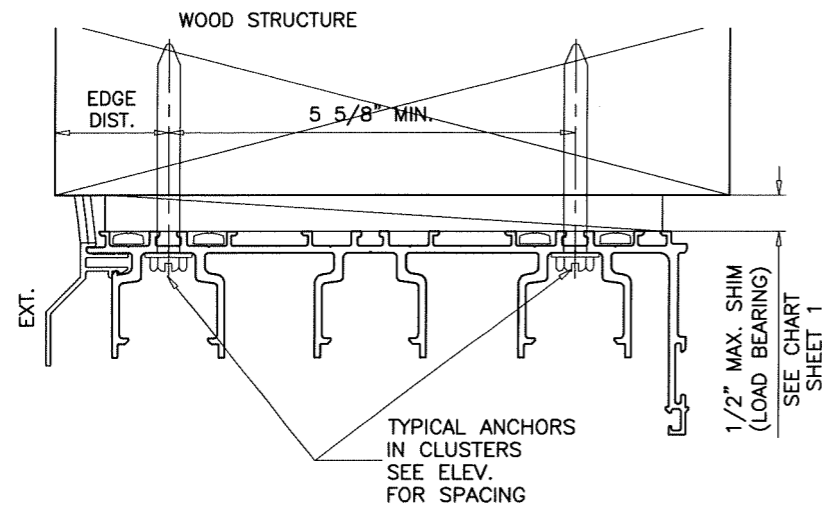
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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SERIES 1100 ALUM SLIDING GLASS DOOR (L.M.I.)
MR. GLASS DOORS & WINDOWS INC.
 8120 N.W. 84 STREET
 MEDLEY, FL. 33166
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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

AT HEAD

- TYPE 'A' - 5/16" X 2-3/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=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" X 2-3/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED
- TYPE 'C' - 5/16" DIA. TEKS SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

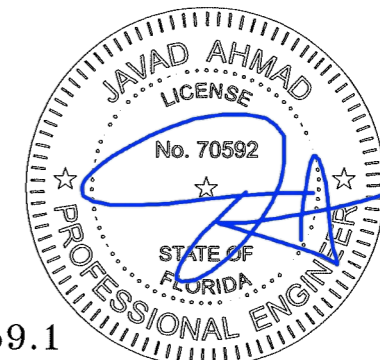
AT SILL

- TYPE 'D' - 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED

ANCHOR EDGE DISTANCES

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

WOOD AT HEAD SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL f'c = 3000 PSI MIN.



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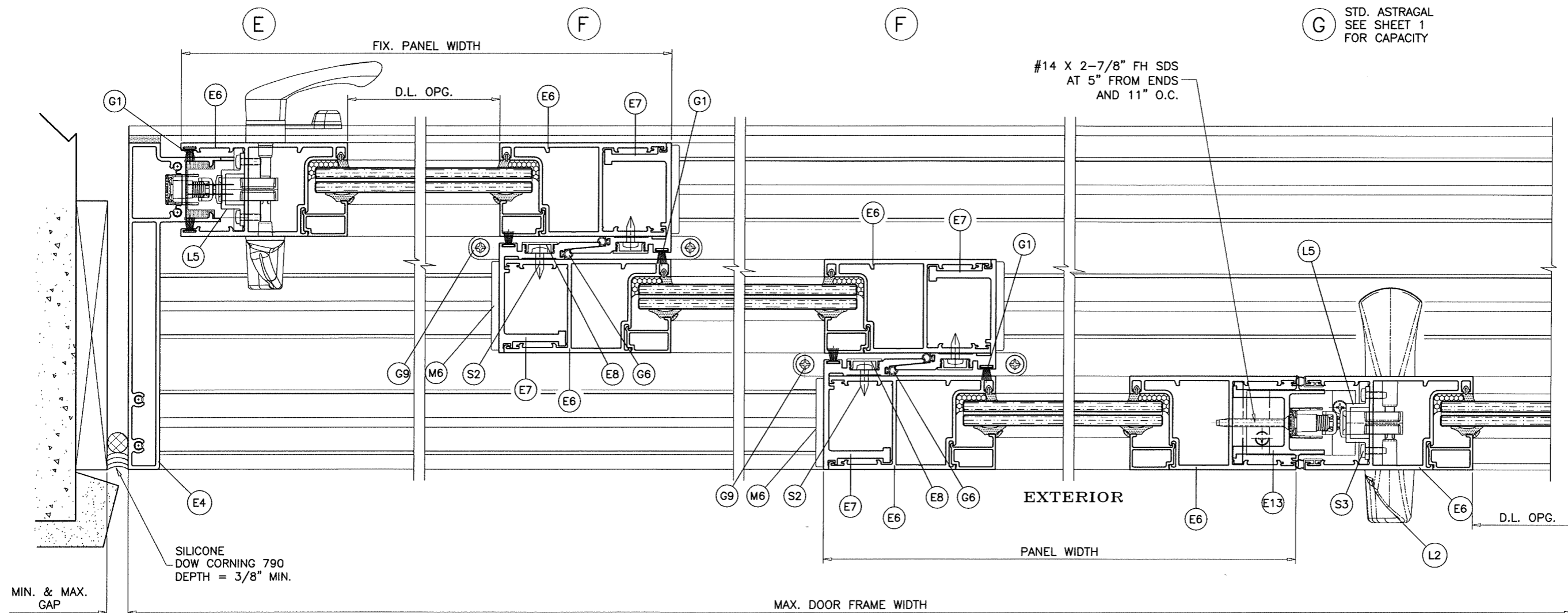
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drawing no.
18-06F
 sheet 6 of 11



G STD. ASTRAGAL
SEE SHEET 1
FOR CAPACITY

MIN. & MAX.
GAP
SEE NOTE
SHEET 8

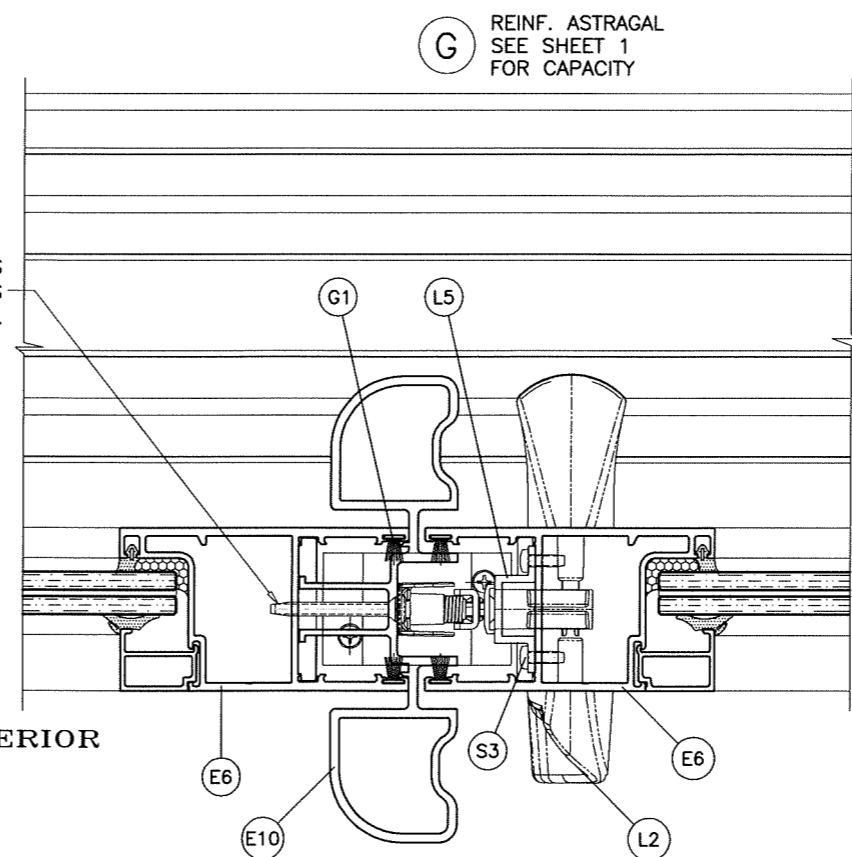
SILICONE
DOW CORNING 790
DEPTH = 3/8" MIN.

MAX. DOOR FRAME WIDTH

EXTERIOR

PANEL WIDTH

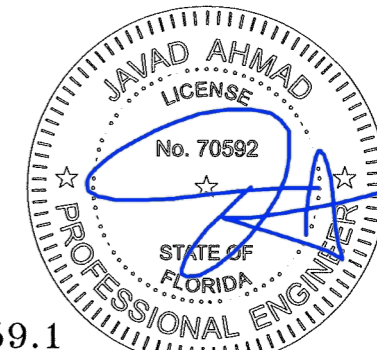
D.L. OPG.



G REINF. ASTRAGAL
SEE SHEET 1
FOR CAPACITY

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

EXTERIOR



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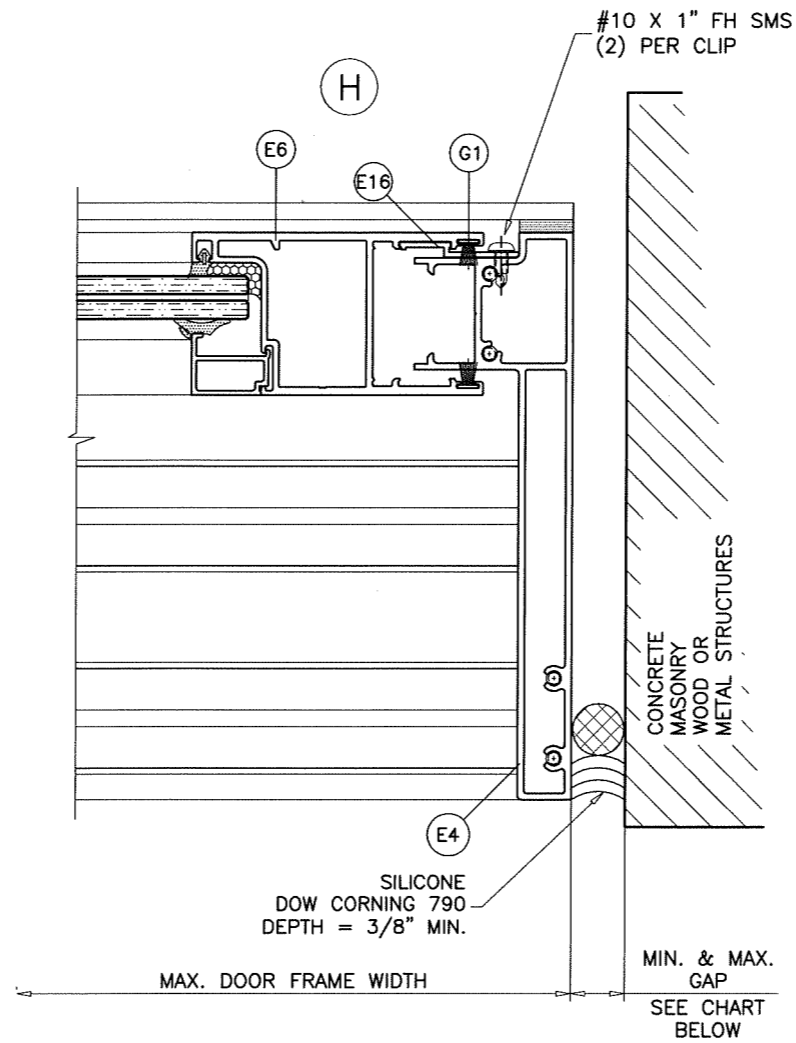
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18-06F
sheet 7 of 11

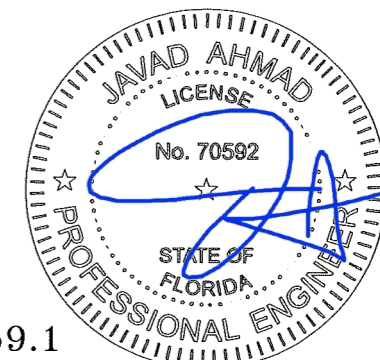


MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
90"	1/4"	3/4"
108"	5/16"	3/4"
120"	3/8"	3/4"


NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY. REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.



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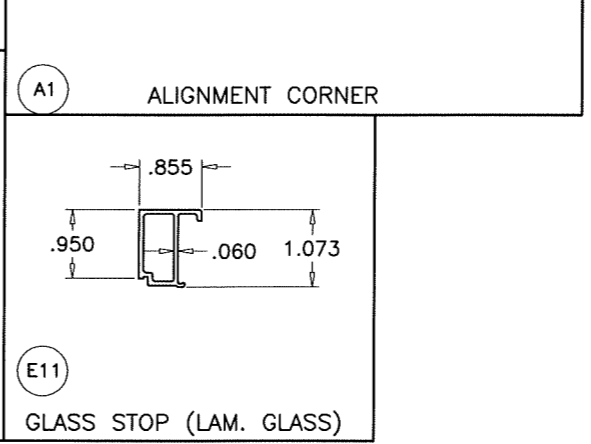
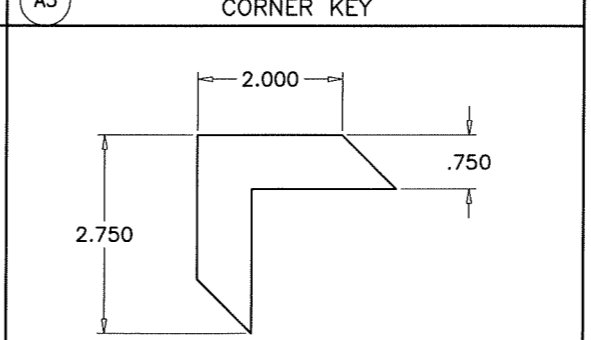
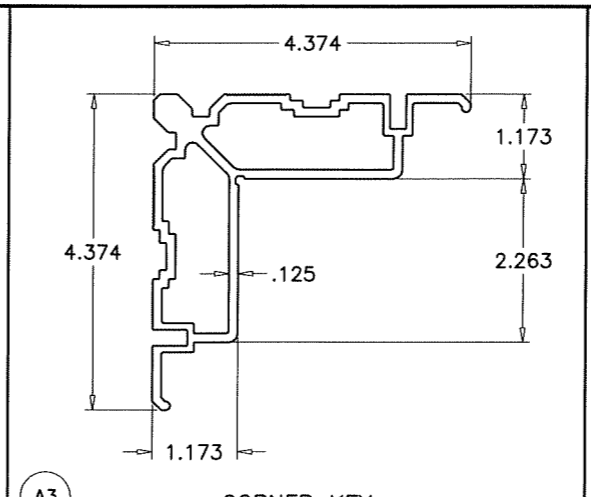
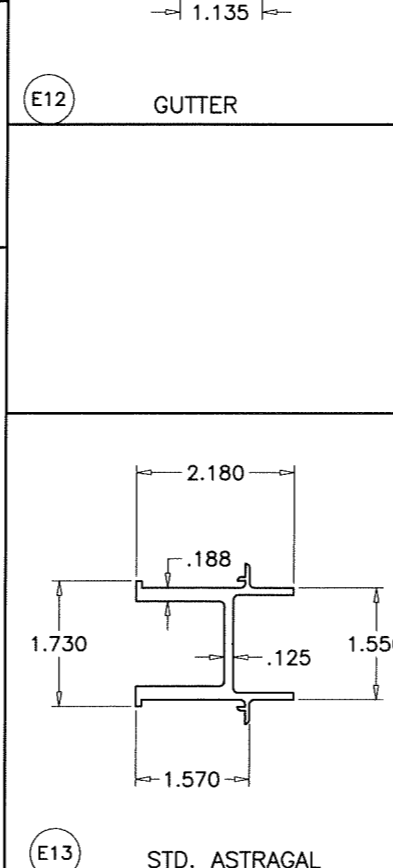
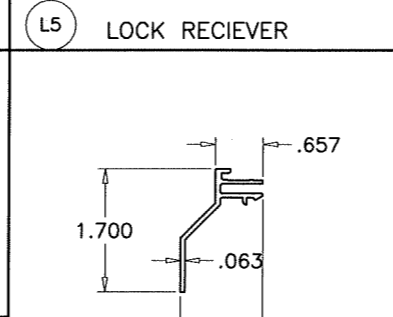
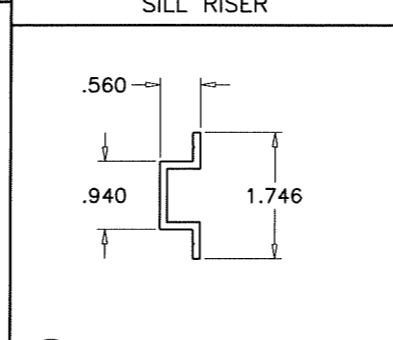
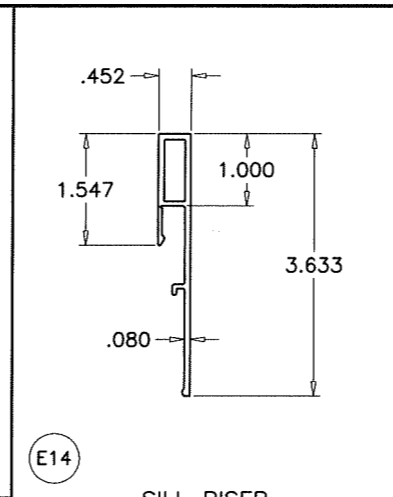
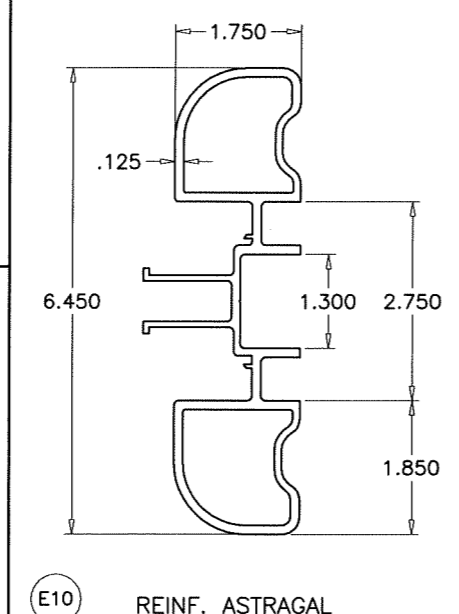
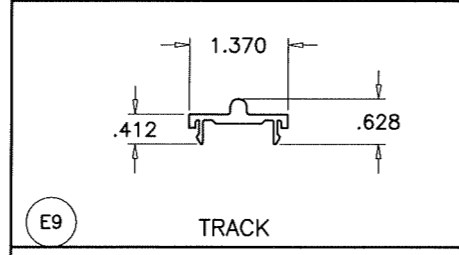
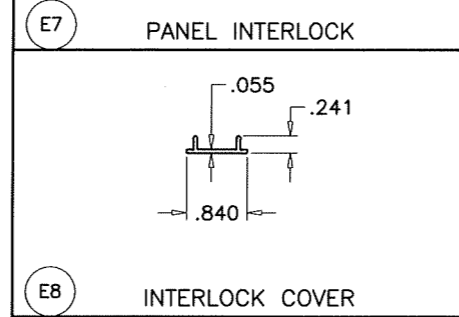
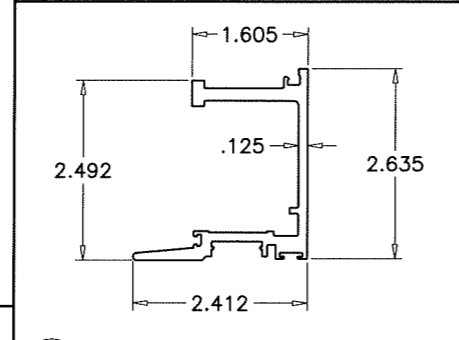
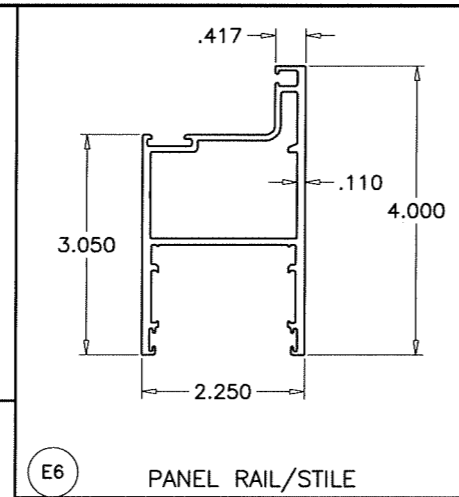
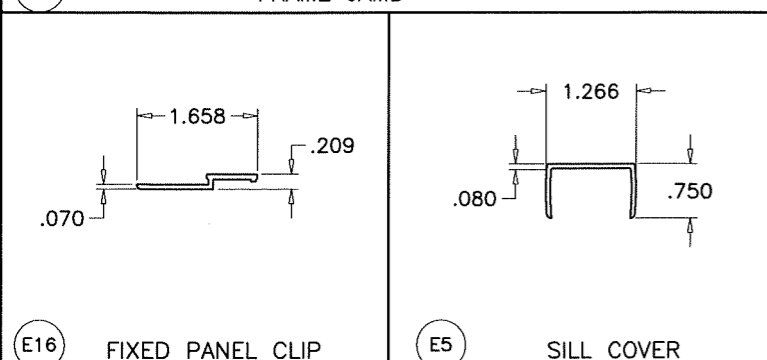
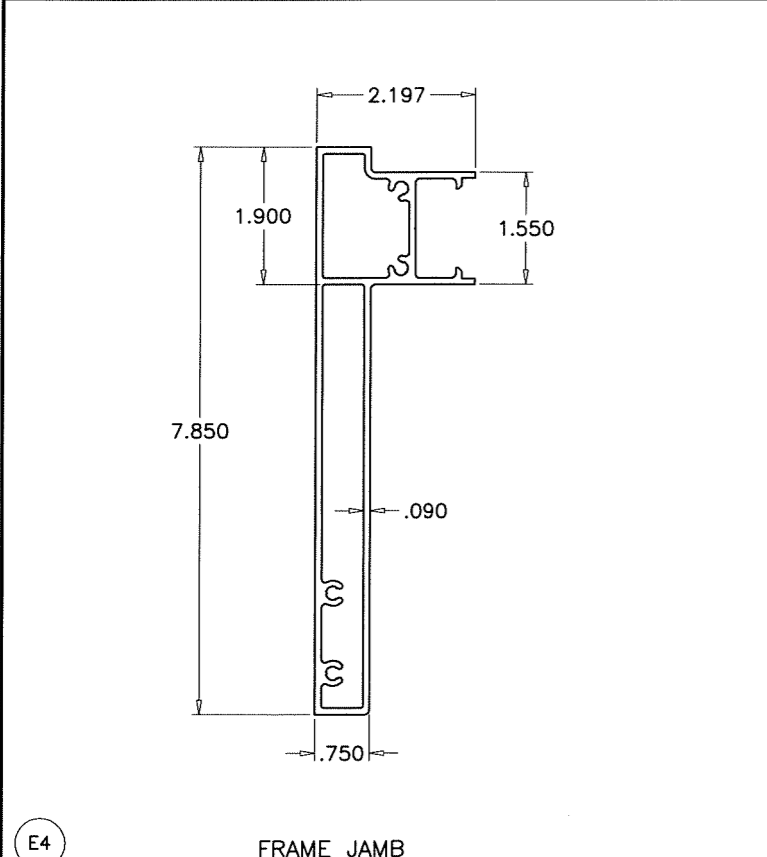
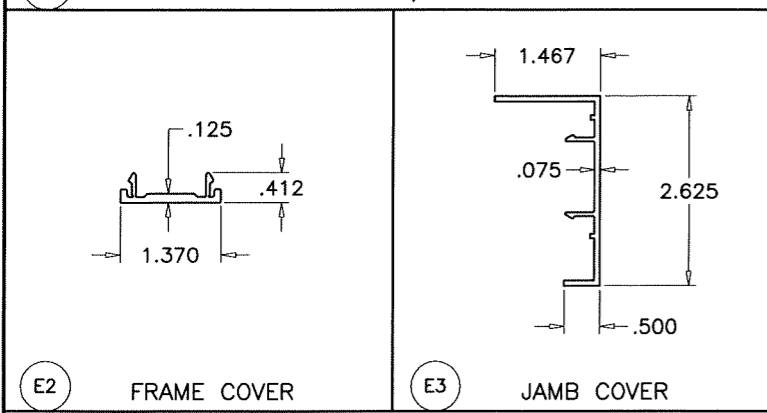
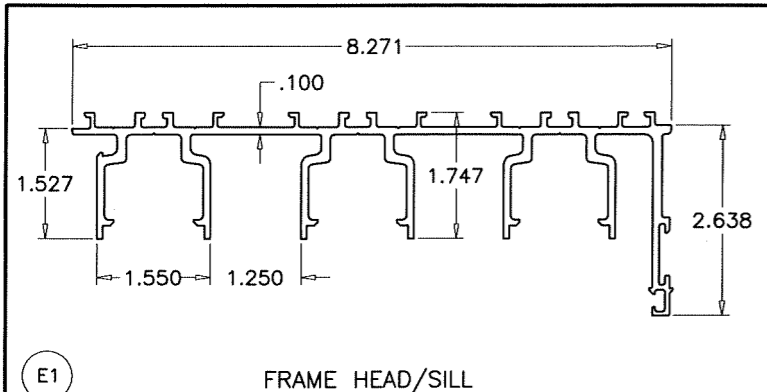
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 sheet 8 of 11



FL #25959.1

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sheet 9 of 11

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
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:

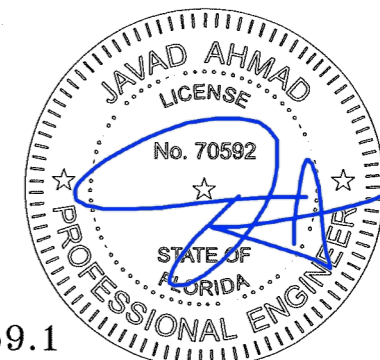
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

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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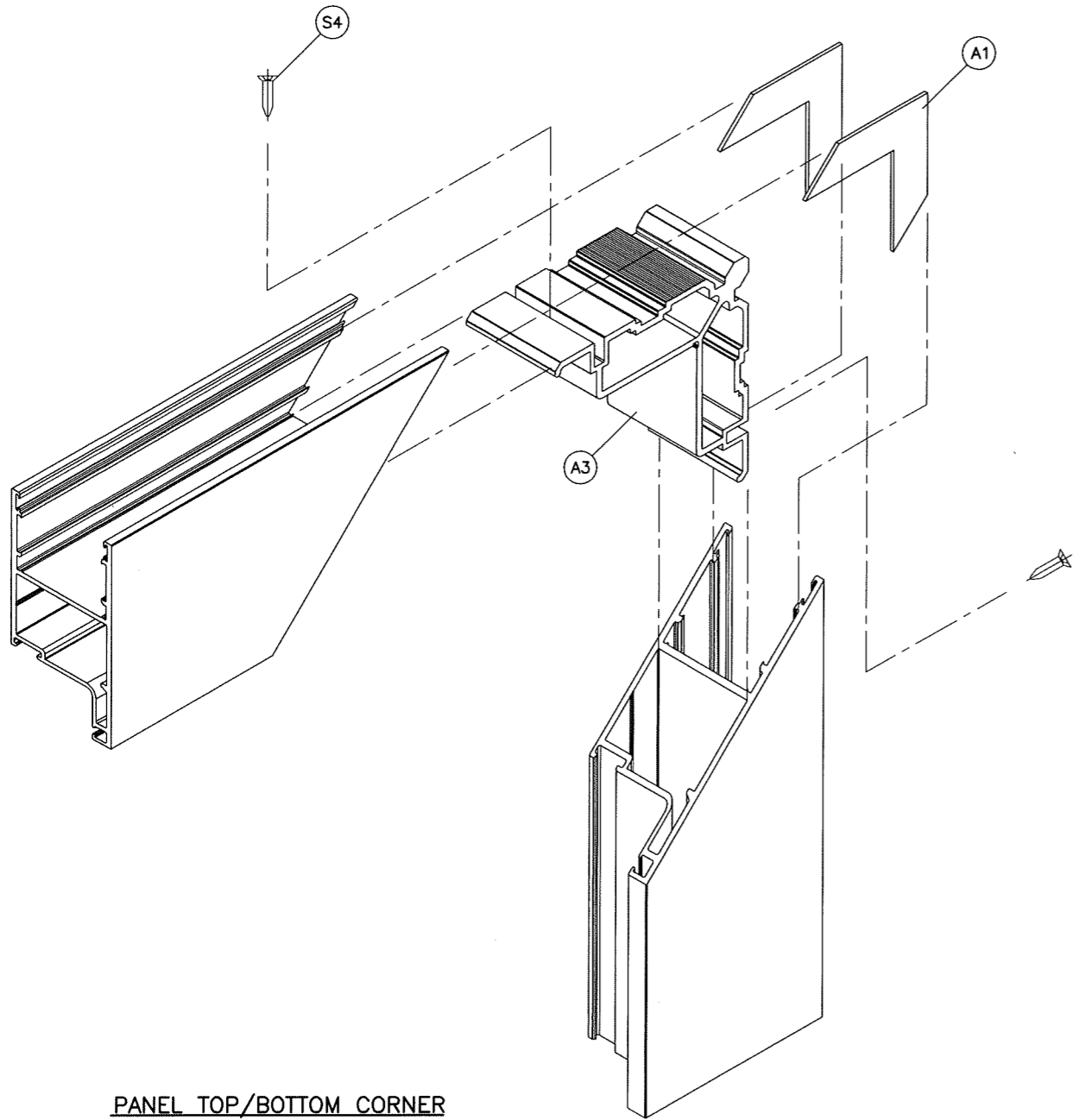
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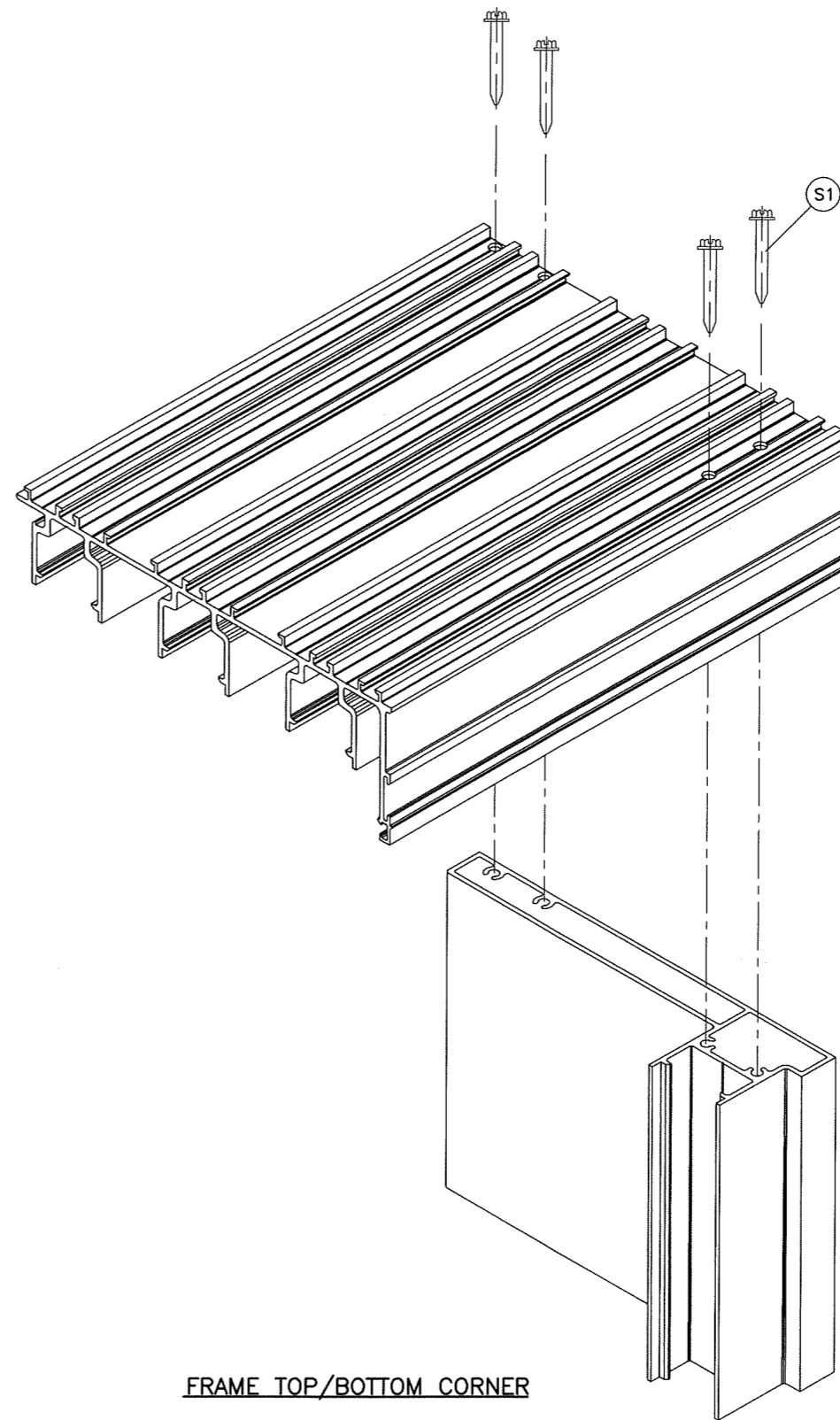
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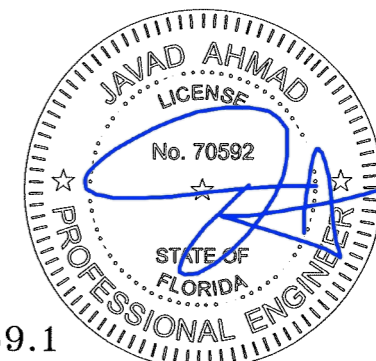
sheet 10 of 11



PANEL TOP/BOTTOM CORNER



FRAME TOP/BOTTOM CORNER



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sheet 11 of 11			