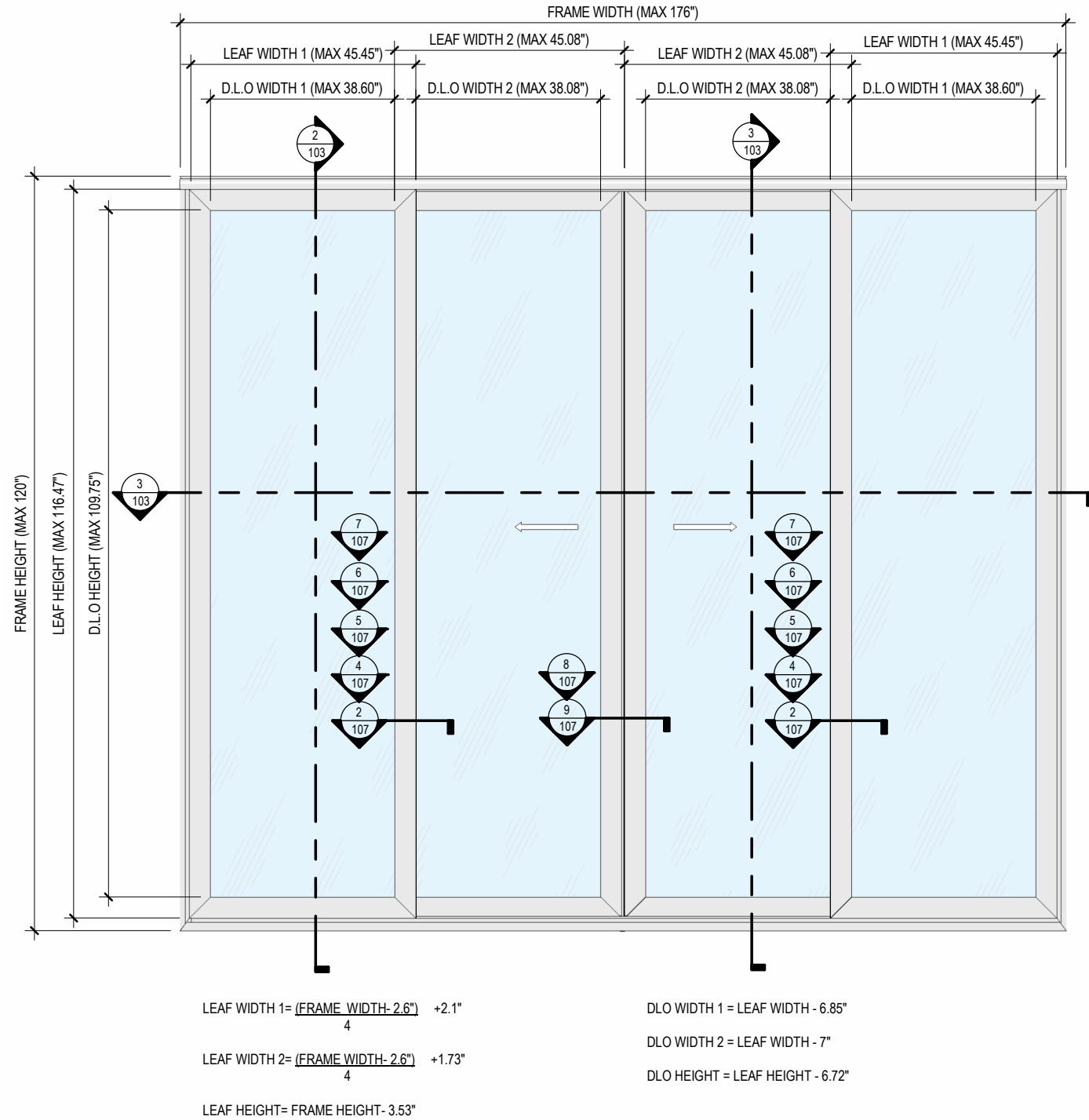
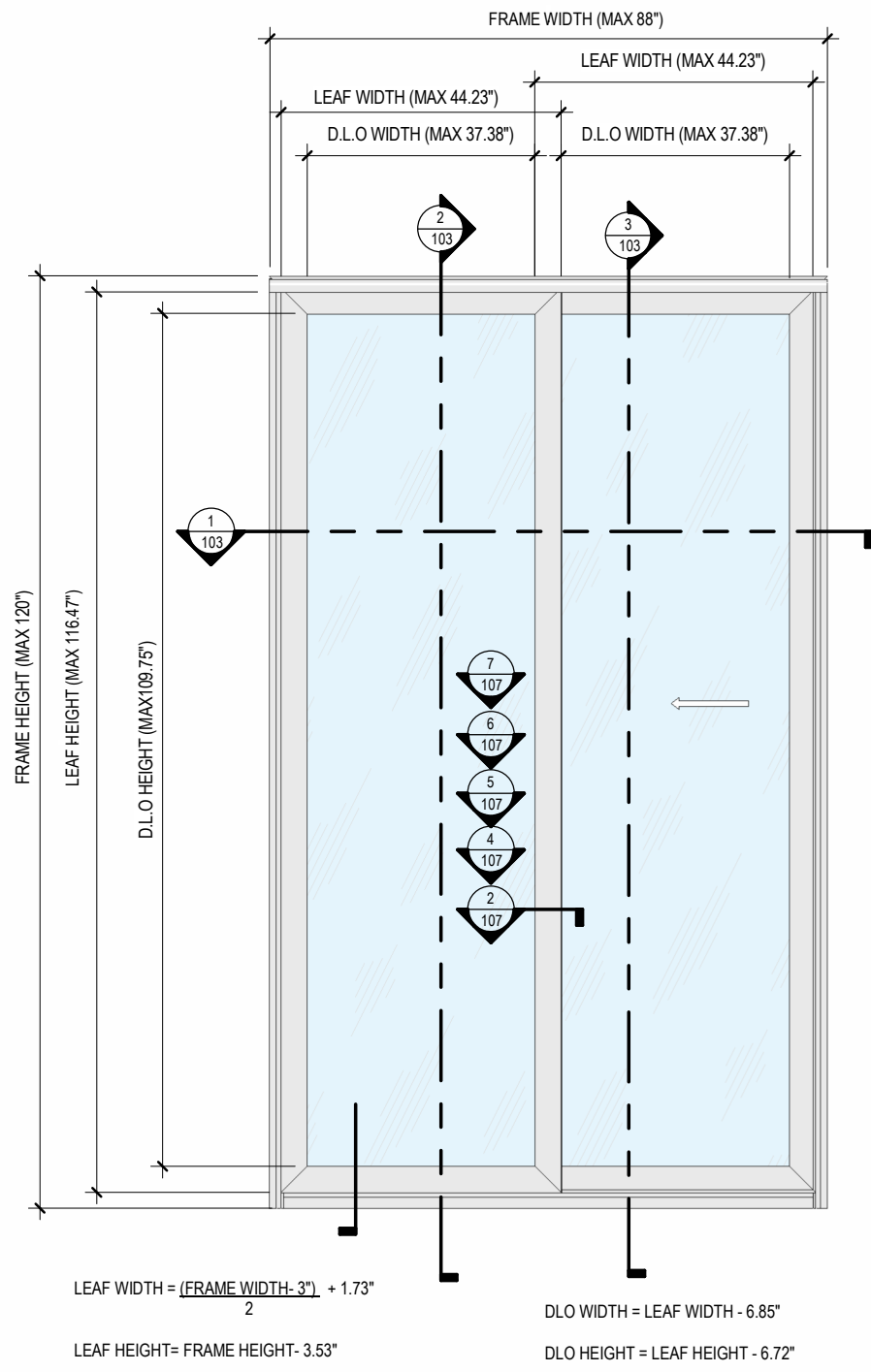




**TYPICAL ELEVATIONS**

**FL# 46592.1**



**1**  
102 **SLIDING DOOR (O-X)**  
N.T.S

**2**  
102 **DOUBLE SLIDING DOOR (O-X-X-O)**  
N.T.S

DRAINAGE		
DESCRIPTION	QUANTITY	LOCATION
1-3/8" X 1/4"	6	3", 5-1/2" AND 29-1/2" FROM EACH END OF THE EXTERIOR SILL FACE
3/8" DIAMETER	4	1-1/2" AND 31" FROM EACH END OF THE INTERIOR SILL TRACK
1/4" BALL VALVE WEEP	4	4" AND 35" FROM EACH END OF THE INTERIOR SILL TRACK

HARDWARE DETAILS		
DESCRIPTION	QUANTITY	LOCATION
SINGLE HANDLE 2-POINT LOCK	1	39-3/4" FROM THE BOTTOM OF THE LOCK STILE WITH LOCK POINTS AT EACH END
PULL HANDLE	1	ABOVE THE LOCK
PLASTIC KEEPER	2	HEAD AND SILL AT LOCK LOCATION

**NOTE:**  
 • REFER SHEET 111 FOR LOCKING HARDWARE DETAILS.  
 • REFER SHEET 104 AND 105 FOR DESIGN PRESSURE CAPACITY AND SIZE CHARTS



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**PROJECT :**  
 MB 37: SLIDING GLASS DOOR (SINGLE AND DOUBLE)

**CLIENT :**  
 ALUPROF SA

UL. WARSZAWSKA 153,43-300  
 BIELSKO-BIALA, POLAND

REVISION			
No.	DATE	BY	DESCRIPTION

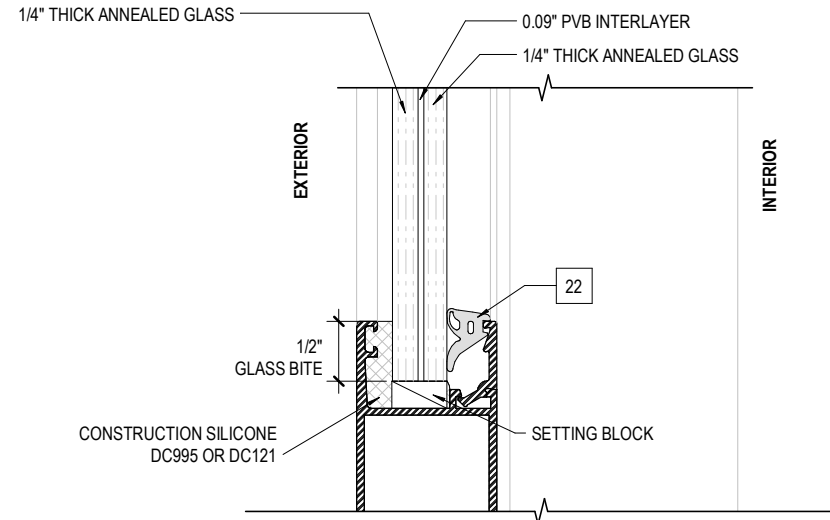
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 drawn by: MK  
 check by: BS  
 Drawing no. JA-1234-24

Eng: JAVAD AHMAD, PE  
 CIVIL FLA. PE # 70592 - C.A.N.34254

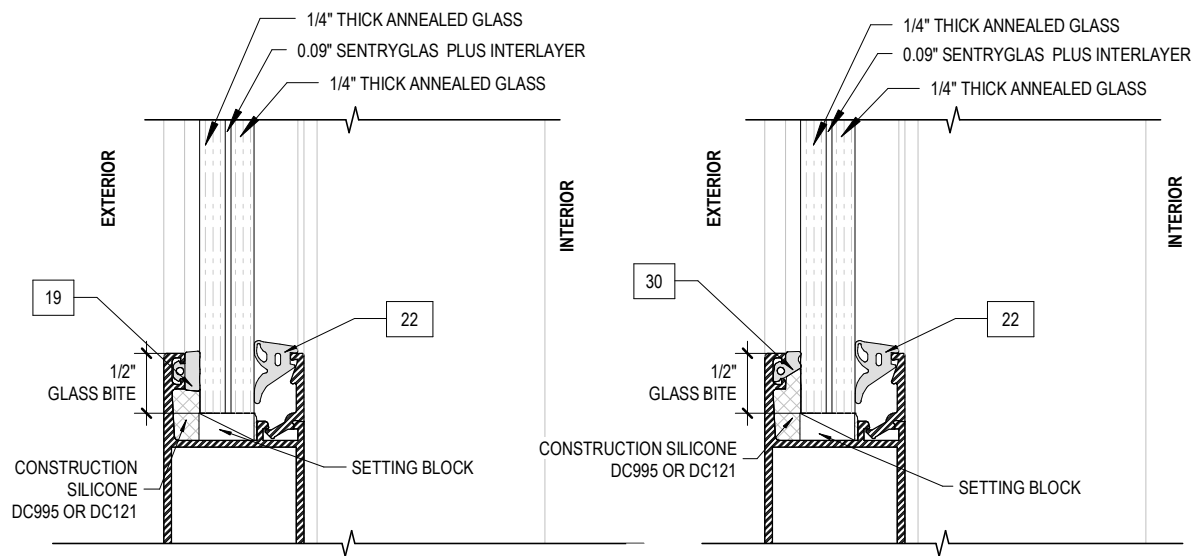


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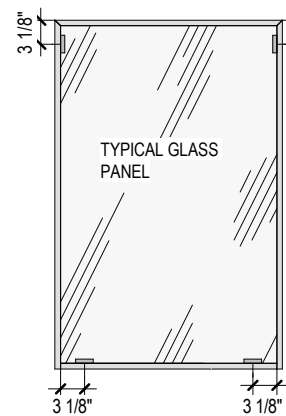


1  
104  
GLAZING DETAIL A  
N.T.S



2  
104  
GLAZING DETAIL B- SINGLE SGD  
N.T.S

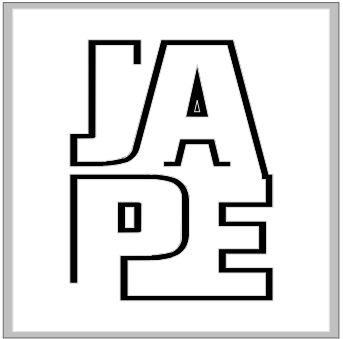
3  
104  
GLAZING DETAIL B- DOUBLE SGD  
N.T.S



SETTING BLOCK LAYOUT

DESIGN LOAD CAPACITY OF SLIDING DOOR - PSF									
SINGLE SLIDING DOOR					DOUBLE SLIDING DOOR				
FRAME HEIGHT (IN)	FRAME WIDTH (IN.)	GLASS TYPE				FRAME HEIGHT (IN)	FRAME WIDTH (IN.)	GLASS TYPE	
		GL-A		GL-B				GL-B	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)			EXT.(+)	INT.(-)
98	88	60	60	100	100	98	176	90	90
92		60	60	100	100	92		90	90
86		60	60	100	100	86		90	90
80		60	60	100	100	80		90	90
72		60	60	100	100	72		90	90
66	72	60	60	100	100	66	144	90	90
120		60	60	100	100	120		90	90
116		60	60	100	100	116		90	90
110		60	60	100	100	110		90	90
104		60	60	100	100	104		90	90
98		60	60	100	100	98		90	90
92		60	60	100	100	92		90	90
86		60	60	100	100	86		90	90
80		60	60	100	100	80		90	90
72		60	60	100	100	72		90	90
66	64	60	60	100	100	66	128	90	90
120		60	60	100	100	120		90	90
116		60	60	100	100	116		90	90
110		60	60	100	100	110		90	90
104		60	60	100	100	104		90	90
98		60	60	100	100	98		90	90
92		60	60	100	100	92		90	90
86		60	60	100	100	86		90	90
80		60	60	100	100	80		90	90
72		60	60	100	100	72		90	90
66	52	60	60	100	100	66	104	90	90
120		60	60	100	100	120		90	90
116		60	60	100	100	116		90	90
110		60	60	100	100	110		90	90
104		60	60	100	100	104		90	90
98		60	60	100	100	98		90	90
92		60	60	100	100	92		90	90
86		60	60	100	100	86		90	90
80		60	60	100	100	80		90	90
72		60	60	100	100	72		90	90
66	60	60	100	100	66	90	90		

**NOTE:**  
 • INTERPOLATION FOR SIZE BETWEEN THESE VALUES IS ALLOWED, THE MAXIMUM SIZE OF THE SYSTEM SHALL NOT EXCEED THIS TABLE.  
 • SETTING BLOCKS SHALL BE NEOPRENE WITH MIN. 80 ± 5 SHORE A DUROMETER HARDNESS OR ANY APPROVED EQUIVALENT.



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PROJECT :

MB 37: SLIDING GLASS DOOR (SINGLE AND DOUBLE)

CLIENT :

ALUPROF SA

UL WARSZAWSKA 153,43-300  
 BIELSKO-BIALA, POLAND

REVISION

No.	DATE	BY	DESCRIPTION

date: 06-26-24

scale: N/A

drawn by: MK

check by: BS

Drawing no. JA-1234-24

Eng: JAVAD AHMAD, PE  
 CIVIL FLA. PE # 70592 - C.A.N.34254



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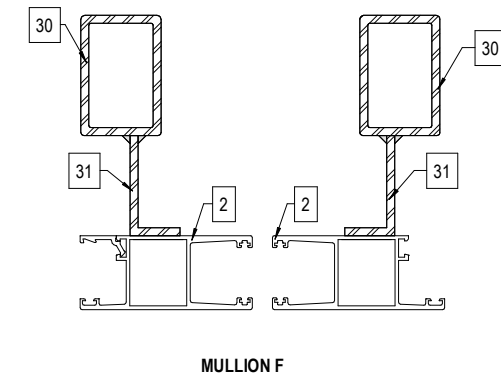
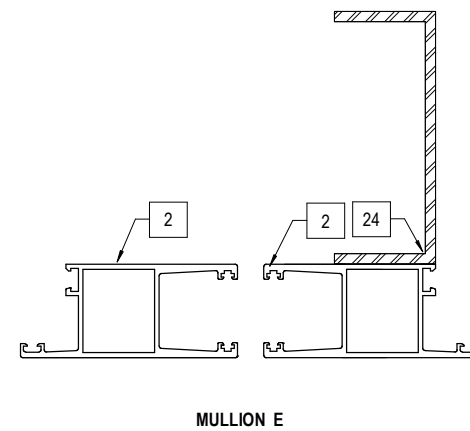
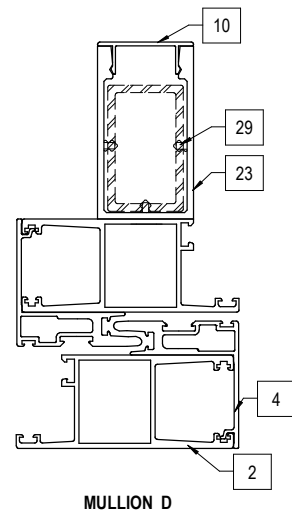
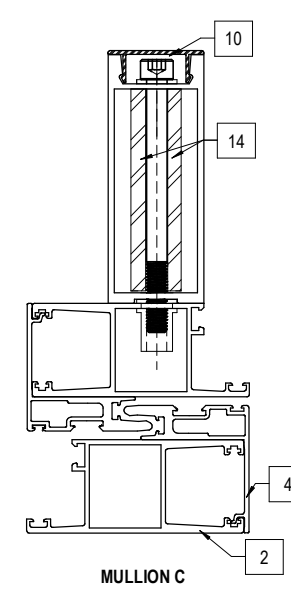
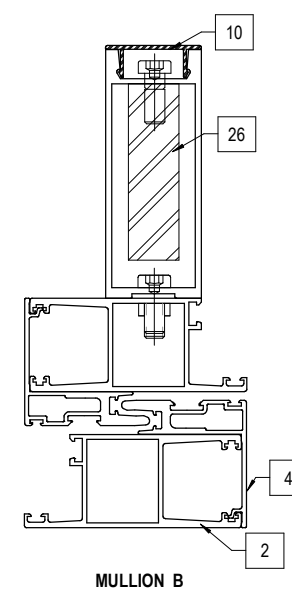
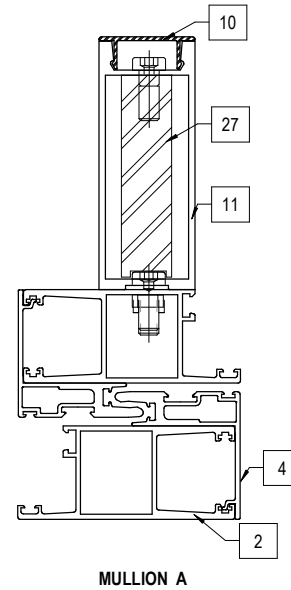
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Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 - C.A.N.34254



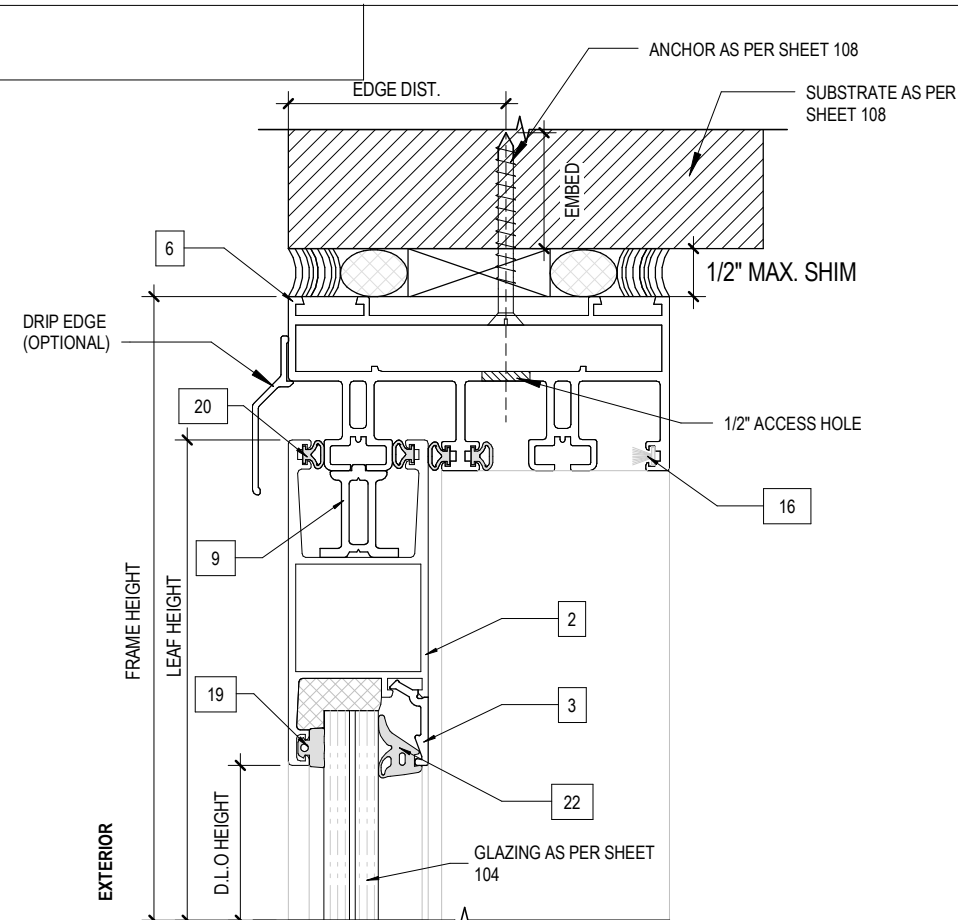
06-26-24

DESIGN LOAD CAPACITY OF SLIDING DOOR - (+/- PSF)								
FRAME HEIGHT (IN.)	TRIBUTARY WIDTH (IN.)	MULLION						
		SINGLE SGD			DOUBLE SGD			
		A	B	C	D	E	F	
98	44	100	60	100	100	75	90	
92		100	60	100	100	75	90	
86		100	60	100	100	75	90	
80		100	60	100	100	75	90	
72		100	60	100	100	75	90	
66		100	60	100	100	75	90	
120		36	100	60	100	100	75	90
116	100		60	100	100	75	90	
110	100		60	100	100	75	90	
104	100		60	100	100	75	90	
98	100		60	100	100	75	90	
92	100		60	100	100	75	90	
86	100		60	100	100	75	90	
80	32	100	60	100	100	75	90	
72		100	60	100	100	75	90	
66		100	60	100	100	75	90	
120		26	100	60	100	100	75	90
116			100	60	100	100	75	90
110			100	60	100	100	75	90
104			100	60	100	100	75	90
98	100		60	100	100	75	90	
92	100		60	100	100	75	90	
86	100		60	100	100	75	90	
80	26	100	60	100	100	75	90	
72		100	60	100	100	75	90	
66		100	60	100	100	75	90	
60		100	60	100	100	75	90	
54		100	60	100	100	75	90	

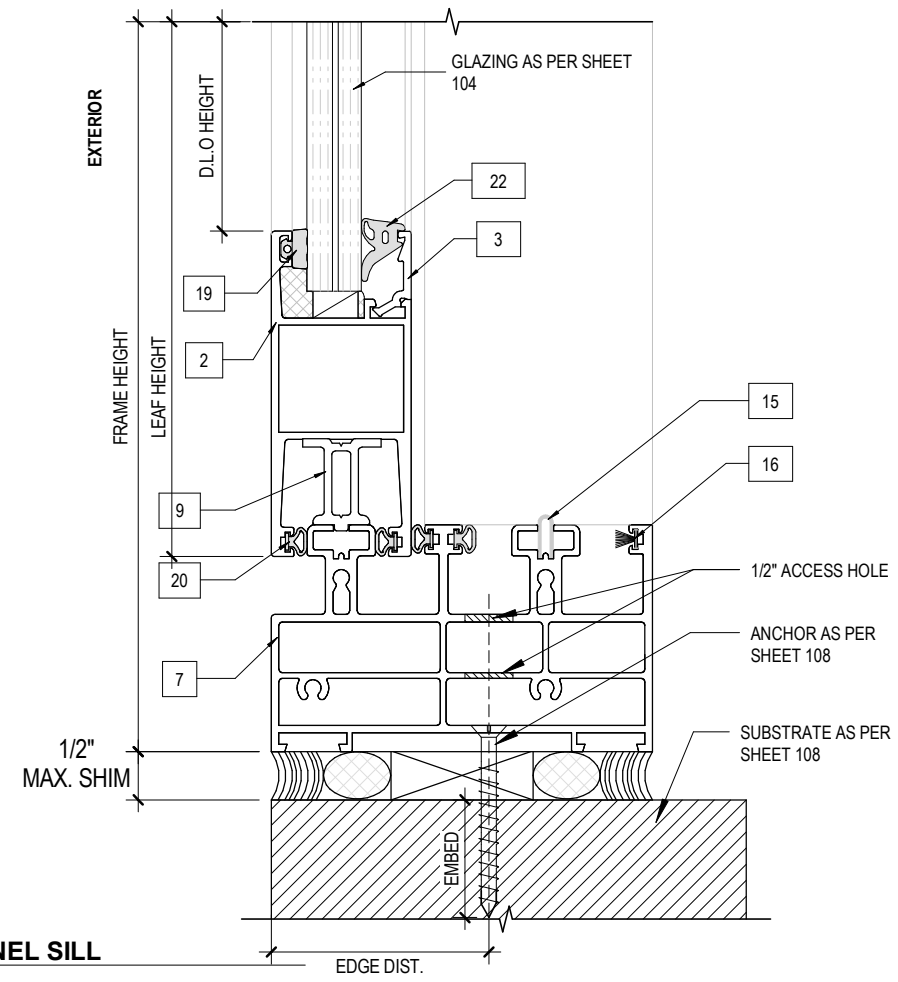


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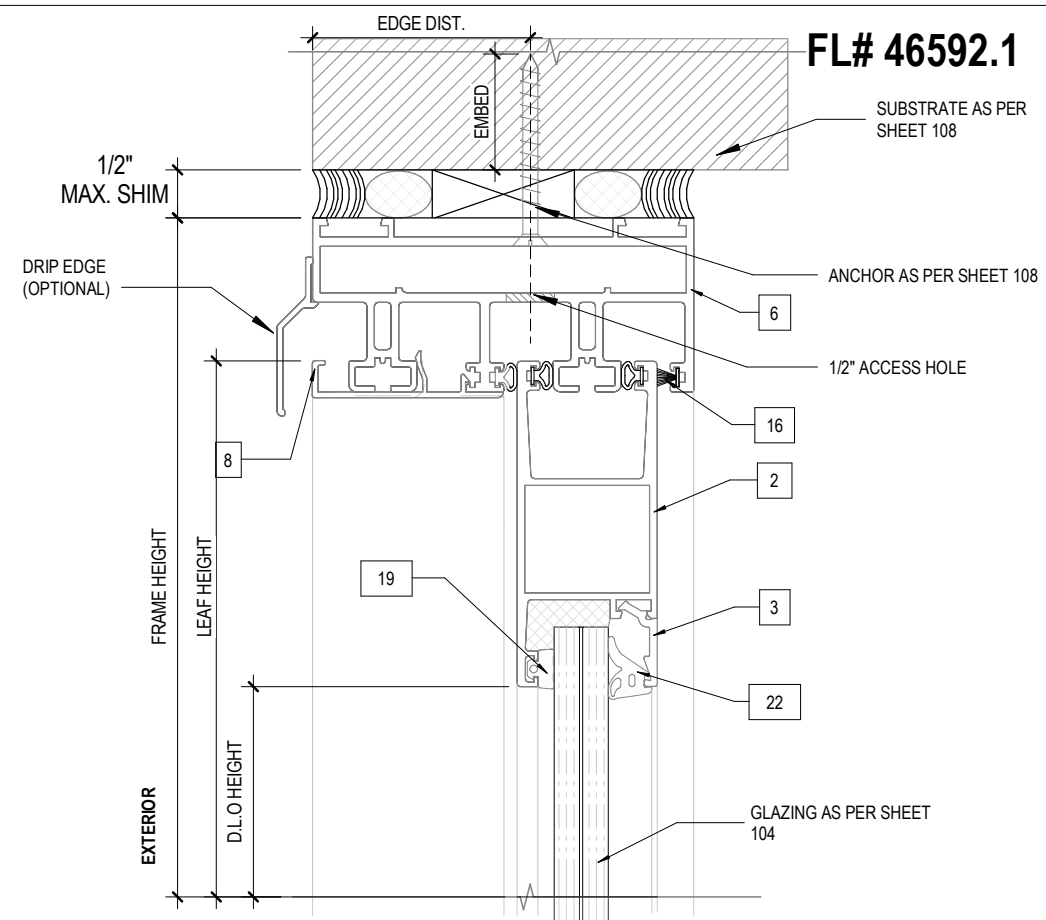
**SECTIONAL DETAILS**



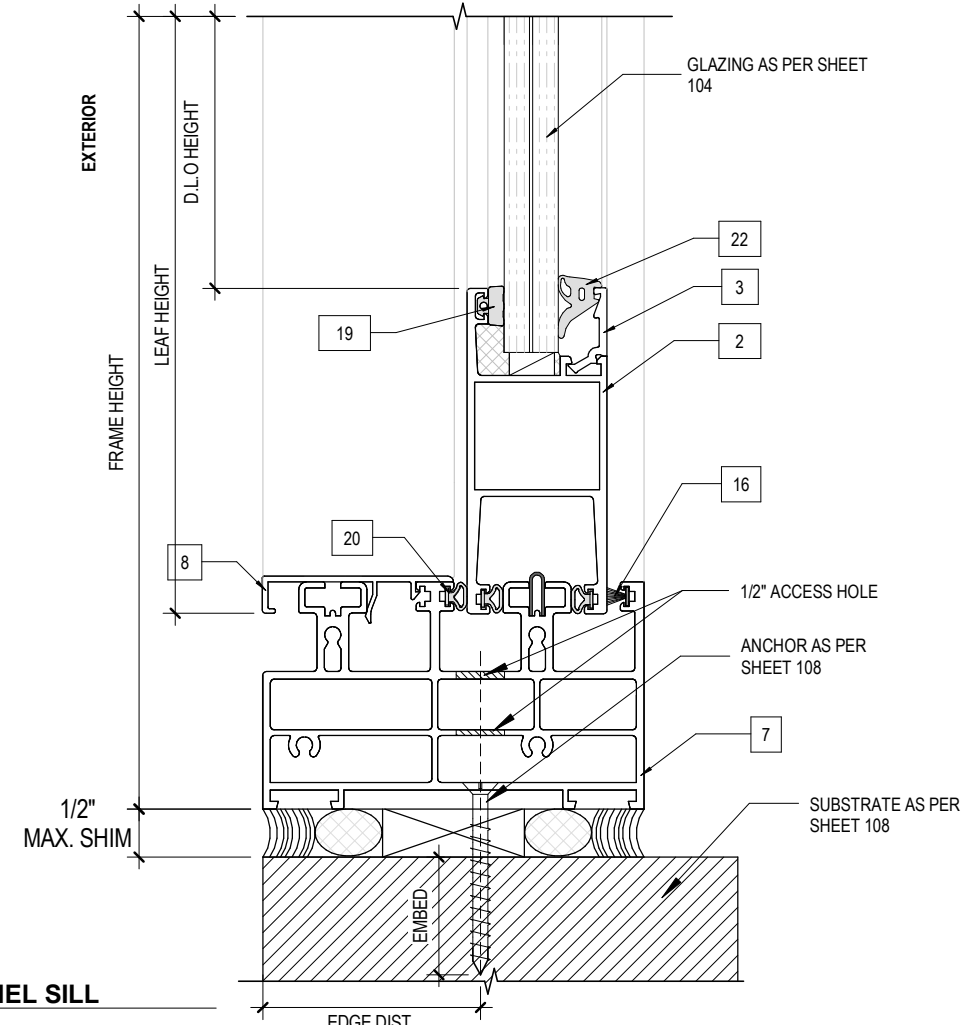
**1**  
106 **INACTIVE PANEL HEAD**  
N.T.S



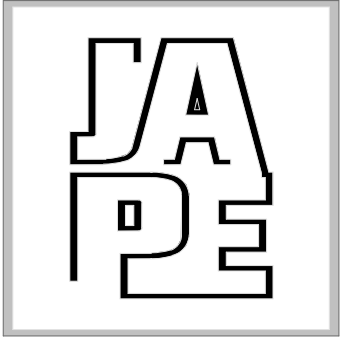
**3**  
106 **INACTIVE PANEL SILL**  
N.T.S



**2**  
106 **ACTIVE PANEL HEAD**  
N.T.S



**4**  
106 **ACTIVE PANEL SILL**  
N.T.S



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**PROJECT :**  
MB 37: SLIDING GLASS DOOR  
(SINGLE AND DOUBLE)

**CLIENT :**  
ALUPROF SA

UL. WARSZAWSKA 153,43-300  
BIELSKO-BIALA, POLAND

REVISION			
No.	DATE	BY	DESCRIPTION

date: 06-26-24  
scale: N/A  
drawn by: MK  
check by: BS  
Drawing no. JA-1234-24

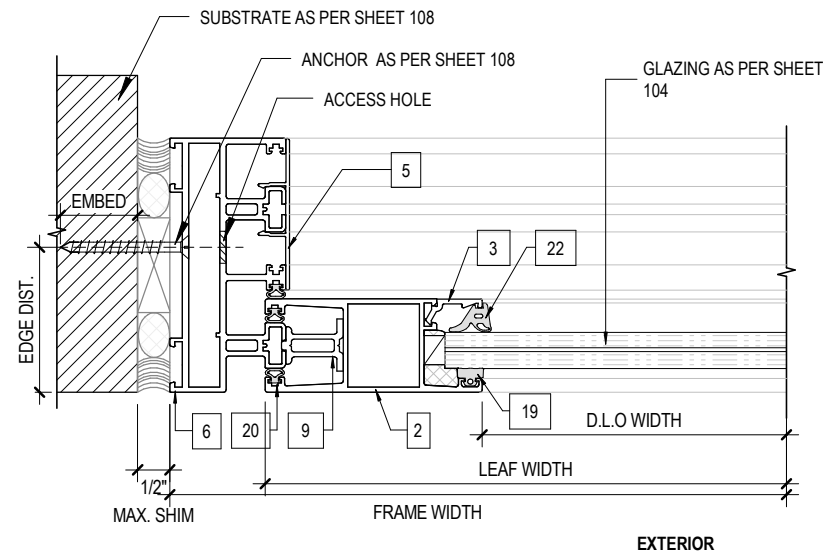
Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 - C.A.N.34254



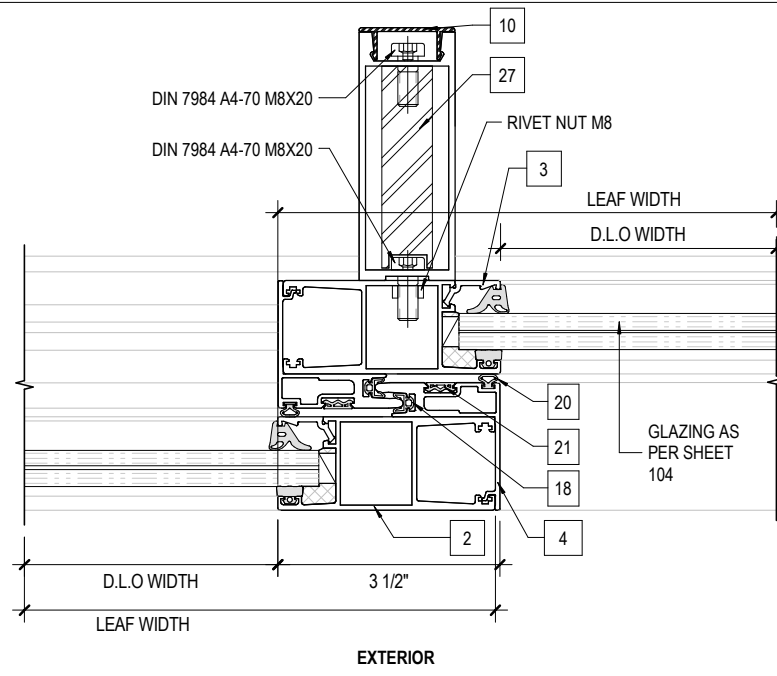
06-26-24

**SECTIONAL DETAILS**

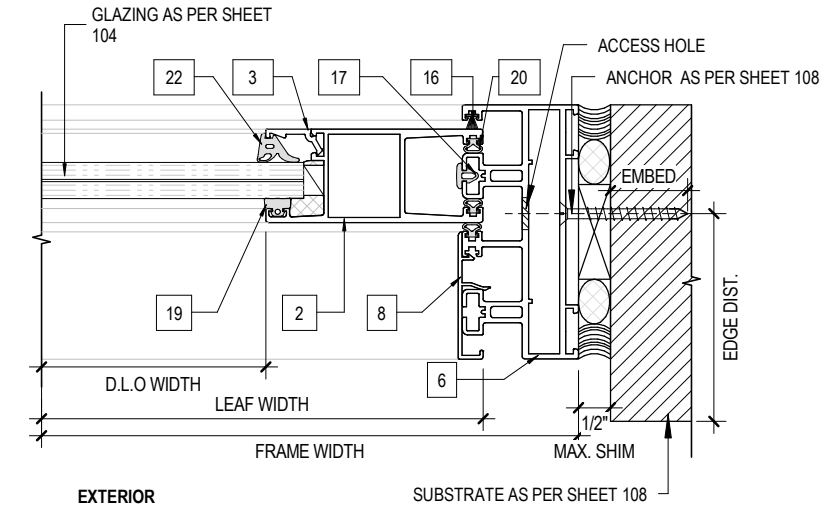
**FL# 46592.1**



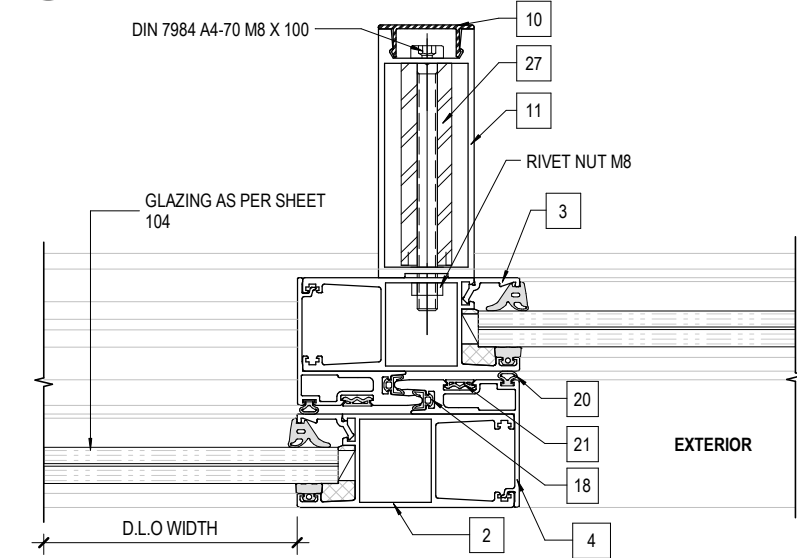
**1**  
107  
**LEFT JAMB**  
NTS



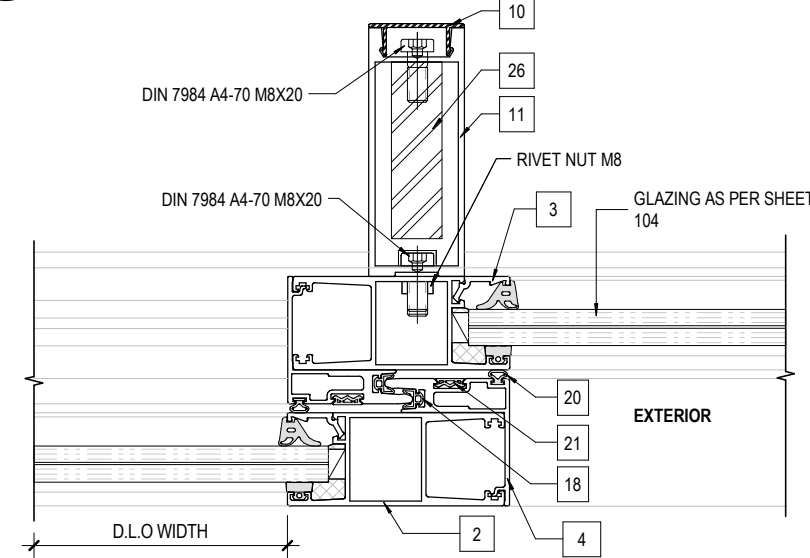
**2**  
107  
**MEETING STILE TYPE-A**  
NTS



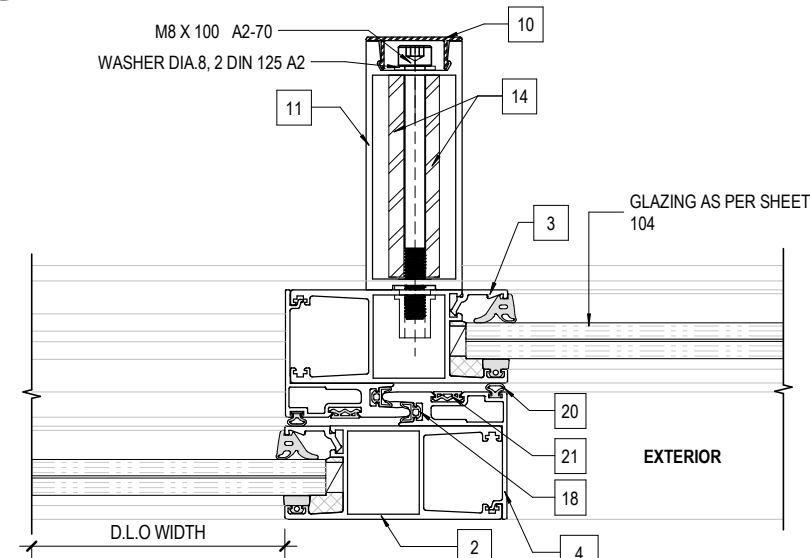
**3**  
107  
**RIGHT JAMB**  
NTS



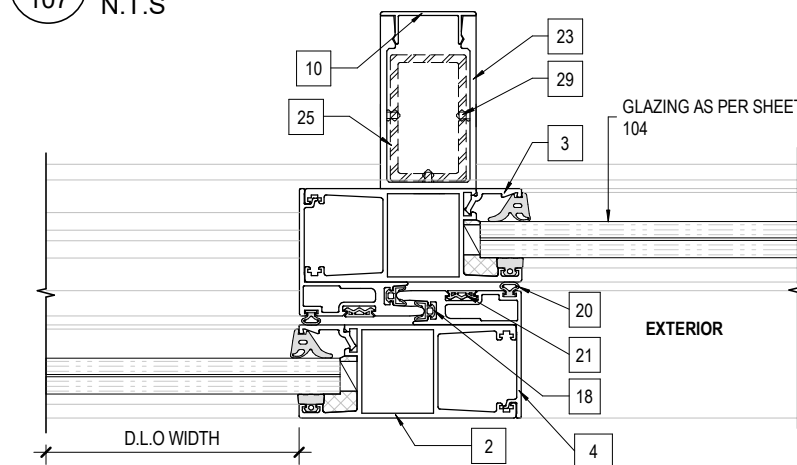
**4**  
107  
**MEETING STILE TYPE-B**  
N.T.S



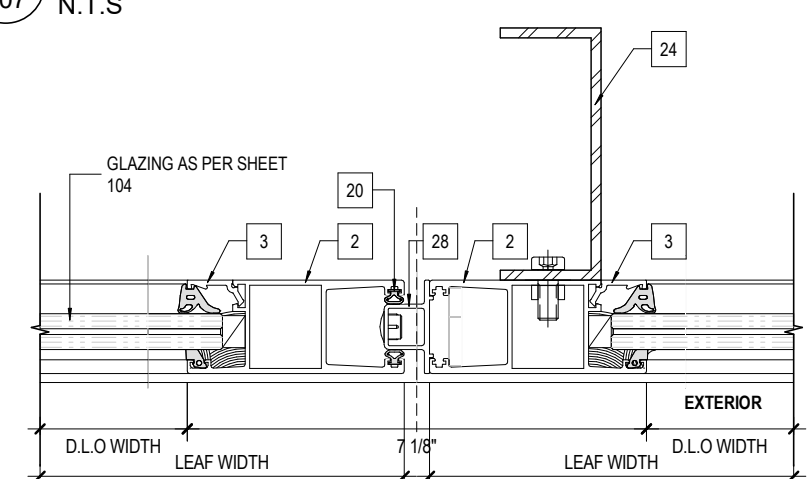
**5**  
107  
**MEETING STILE TYPE-C**  
N.T.S



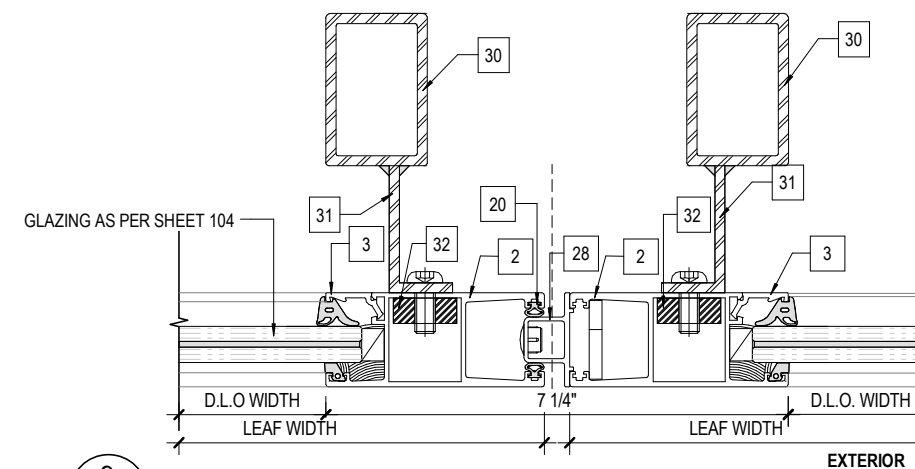
**6**  
107  
**MEETING STILE TYPE-D**  
N.T.S



**7**  
107  
**MEETING STYLE TYPE-E**  
N.T.S



**8**  
107  
**DOUBLE SLIDING DOOR MEETING STILE 1**  
N.T.S



**9**  
107  
**DOUBLE SLIDING DOOR MEETING STILE 2**  
N.T.S

NOTE:  
SEE SHEET 108 & 109 FOR ANCHORAGE DETAILS



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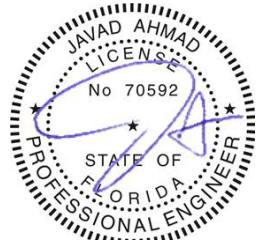
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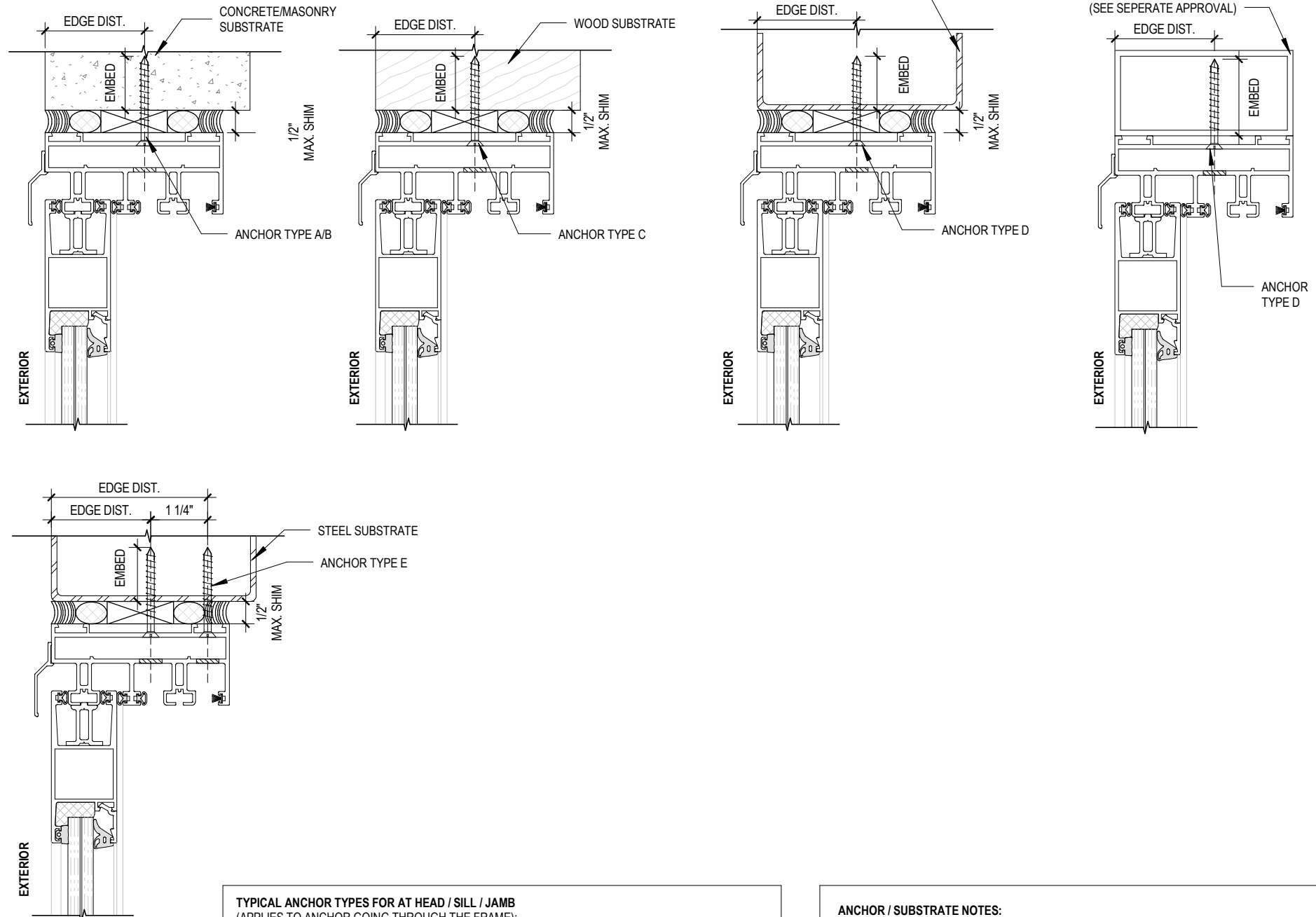
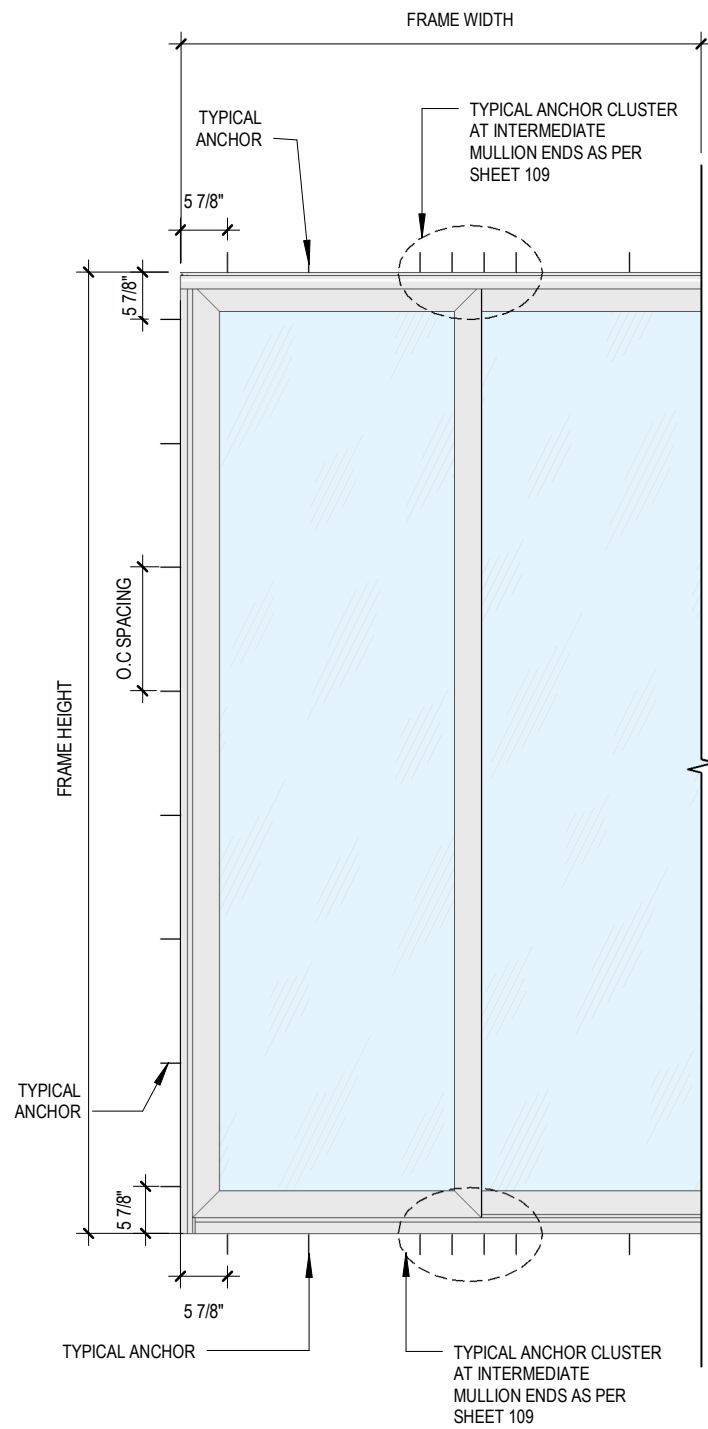
Drawing no. JA-1234-24

Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 - C.A.N.34254

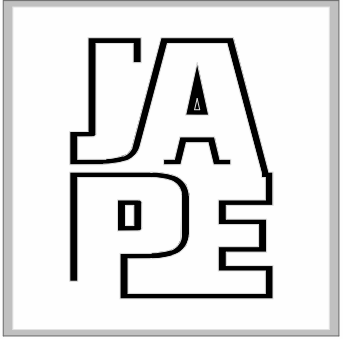


06-26-24

# ANCHORAGE DETAILS



FL# 46592.1



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06-26-24

- TYPICAL ANCHOR TYPES FOR AT HEAD / SILL / JAMB**  
 (APPLIES TO ANCHOR GOING THROUGH THE FRAME):
- TYPE A -**
- 1/4 X 2-1/4" ULTRACON + BY DEWALT W/ MIN. 1-3/8" NOMINAL EMBED, 2-1/2" EDGE DIST. AND @14" O.C. SPACING INTO CONCRETE SUBSTRATE
  - 1/4 X 2-1/2" HILTI KWIK HUS-EZ W/ MIN. 1-5/8" NOMINAL EMBED, 3" EDGE DIST, AND @14" O.C. SPACING INTO CONCRETE SUBSTRATE
- TYPE B -**
- 1/4 X 2-1/2" HILTI KWIK HUS-EZ W/ MIN. 1-5/8" NOMINAL EMBED, 2" MIN. EDGE DIST. AND @14" O.C. SPACING INTO GFCMU SUBSTRATE
  - 3/8 X 4" SCREW BOLT+ ANCHOR BY DEWALT W/ MIN. 3-1/4" NOMINAL EMBED, 3-1/2" EDGE DIST. AND @ 14" O.C. SPACING INTO GFCMU SUBSTRATE
- TYPE C -**
- 1/4 X 2-1/4" ULTRACON + BY DEWALT W/ MIN. 1-1/2" NOMINAL EMBED, 2" MIN. EDGE DIST. AND @ 14" O.C. SPACING INTO WOOD SUBSTRATE
- TYPE D -**
- #12-24 SMS OR SAE GRADE 5 W/ MIN. 3 THREADS PENETRATED BEYOND THE METAL THICKNESS, 3/4" EDGE DIST. AND @ 14" O.C. SPACING
- TYPE E -**
- (2) ROWS, 1-1/4" APART, OF BOSSARD SCREWS M5X30 BN5653 W/ MIN. 3 THREADS PENETRATED BEYOND THE METAL THICKNESS, 3/4" EDGE DIST. AND @ 14" O.C. SPACING

- ANCHOR / SUBSTRATE NOTES:**
- WOOD AT HEAD, SILL OR JAMBS SHALL BE MIN. SOUTHERN YELLOW PINE #2 (G=0.55 MIN.)
  - CONCRETE AT HEAD, SILL OR JAMBS SHALL BE MIN. 3000 PSI
  - HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS SHALL BE MIN. 2000 PSI
  - STEEL SHALL BE MIN. 1/8" THICK, 6063-T6 GRADE AT HEAD, SILL OR JAMBS
  - ALUMINUM SHALL BE MIN. 1/8" THICK, 6063-T6 GRADE AT HEAD, SILL OR JAMBS
  - #14 316 SS SMS OR SDS IS PERMITTED TO BE SUBSTITUTED WITH TEKS SCREWS MIN.75 KSI

1 **MULTIPANEL SGD SYSTEM ANCHORAGE DETAILS**  
 108 N.T.S



ANCHOR CLUSTER CHART							
FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	MULTIPANEL SGD SYSTEM					
		CLUSTER ANCHOR					
		CONCRETE	MASONRY		WOOD	METAL	
		ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE C	ANCHOR TYPE D	ANCHOR TYPE E
120	36	CLUSTER TYPE A	CLUSTER TYPE C			CLUSTER TYPE A	CLUSTER TYPE D
116			CLUSTER TYPE B				
110			CLUSTER TYPE A				
104			CLUSTER TYPE A				
98			CLUSTER TYPE A			CLUSTER TYPE E	
92			CLUSTER TYPE A				
86			CLUSTER TYPE A				
80			CLUSTER TYPE A				
72	CLUSTER TYPE A						

NOTE: - ANCHOR AND SUBSTRATE SHALL BE AS PER SHEET 108



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REVISION

No.	DATE	BY	DESCRIPTION

date: 06-26-24

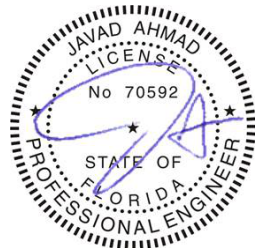
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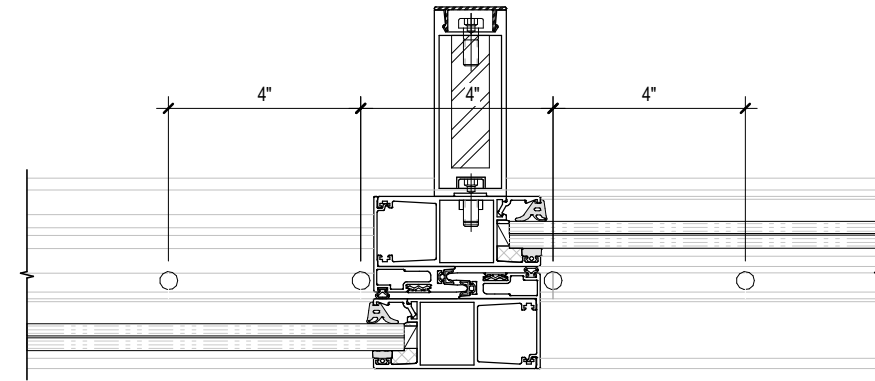
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Drawing no. JA-1234-24

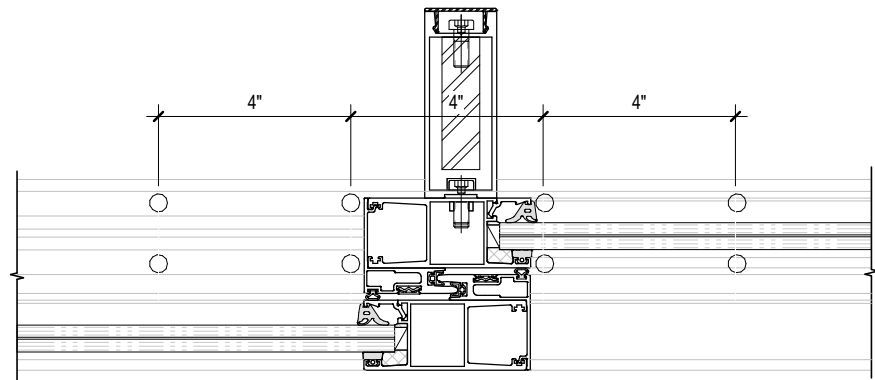
Eng: JAVAD AHMAD, PE  
 CIVIL FLA. PE # 70592 - C.A.N.34254



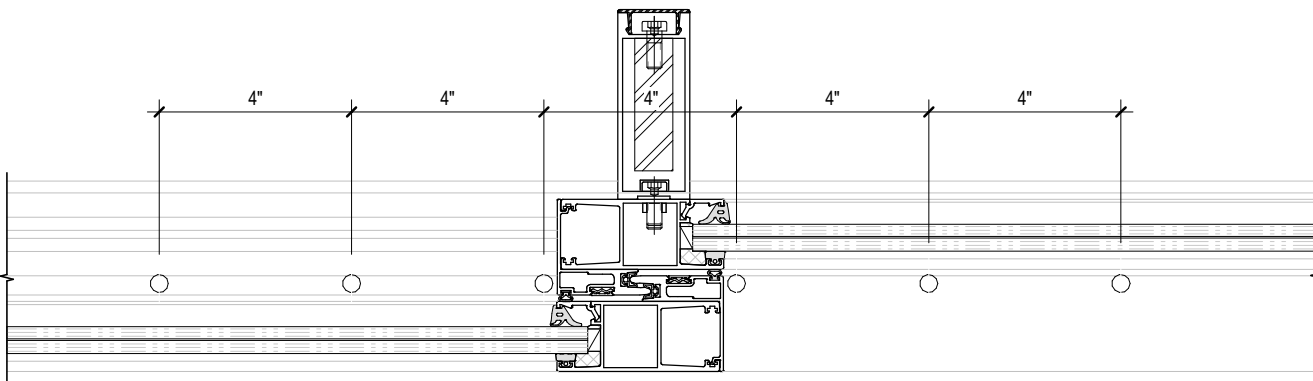
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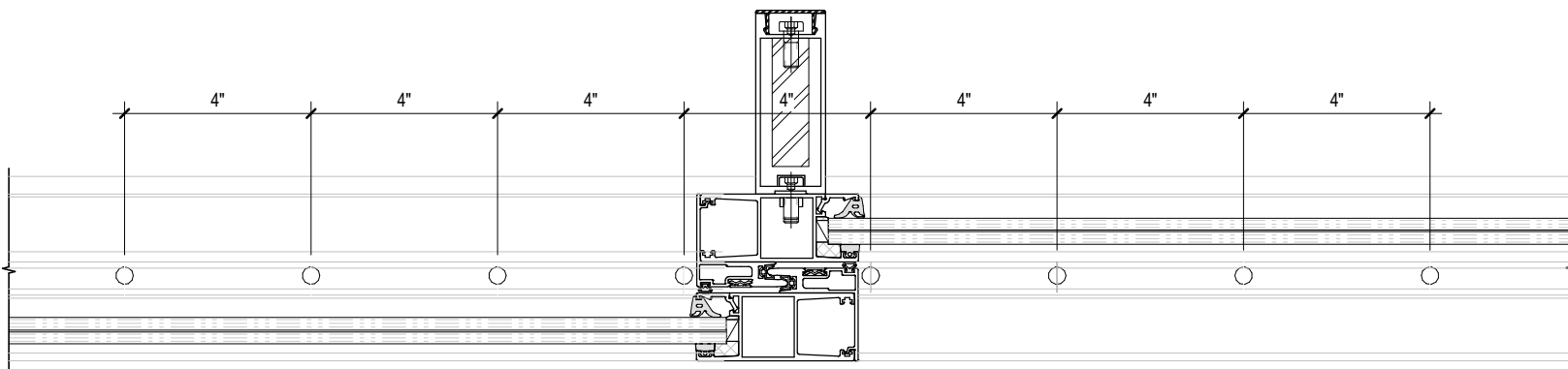
1 CLUSTER TYPE-A  
 109 N.T.S



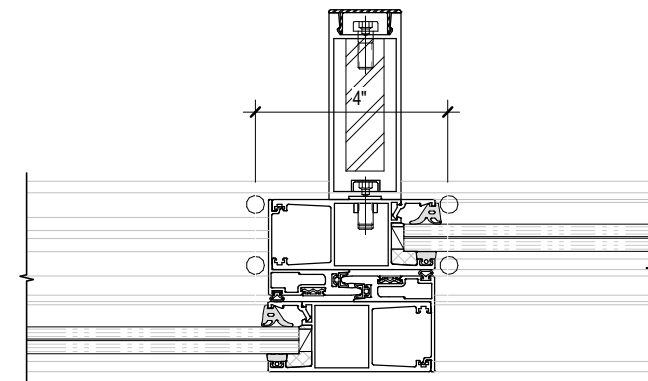
4 CLUSTER TYPE-D  
 109 N.T.S



2 CLUSTER TYPE-B  
 109 N.T.S



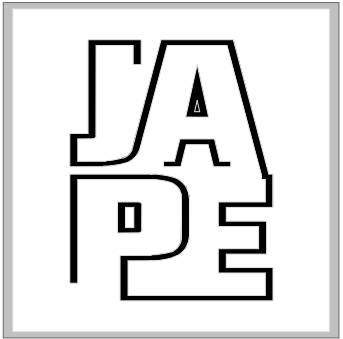
3 CLUSTER TYPE-C  
 109 N.T.S



5 CLUSTER TYPE-E  
 109 N.T.S

**PARTS LIST**

**FL# 46592.1**



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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 37: SLIDING GLASS DOOR  
(SINGLE AND DOUBLE)

CLIENT :

ALUPROF SA

UL. WARSZAWSKA 153,43-300  
BIELSKO-BIALA, POLAND

REVISION

No.	DATE	BY	DESCRIPTION

date: 06-26-24

scale: N/A

drawn by: MK

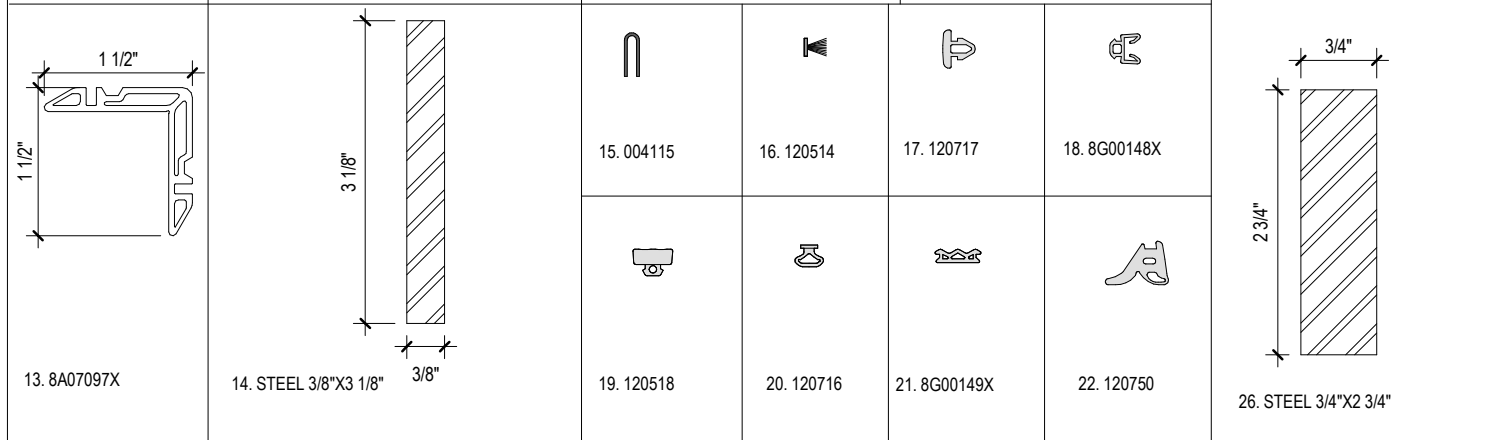
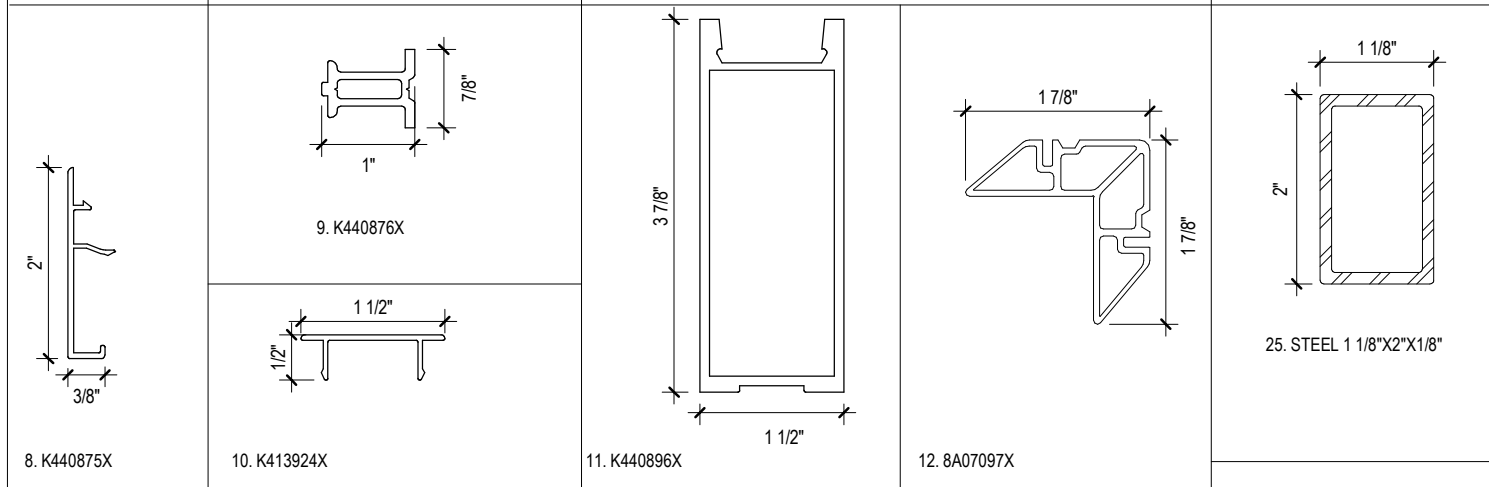
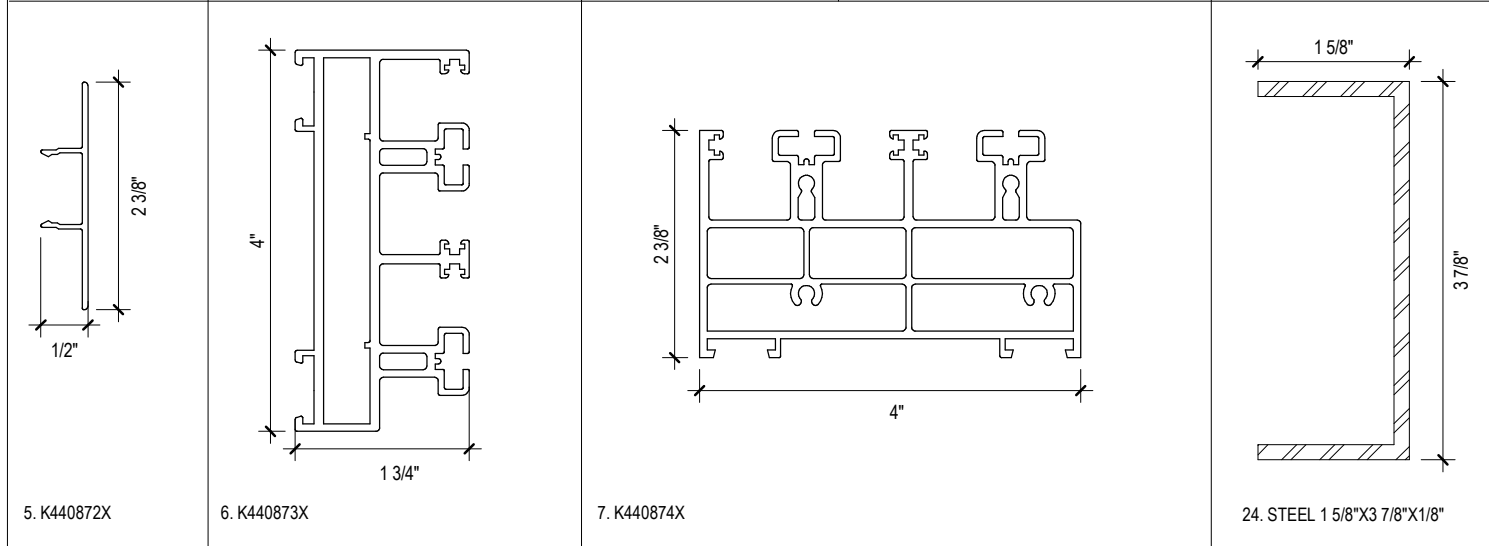
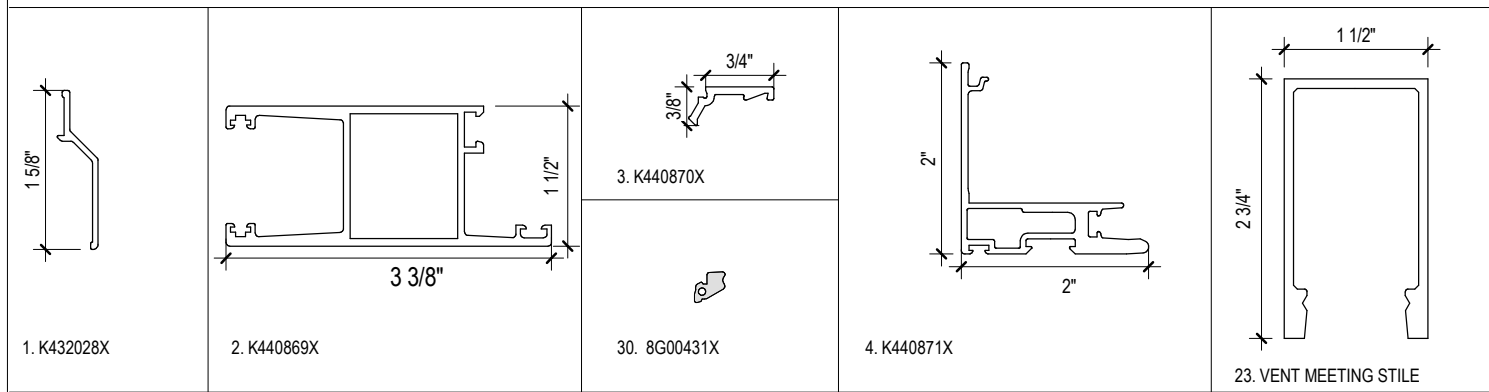
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Drawing no. JA-1234-24

Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 - C.A.N.34254



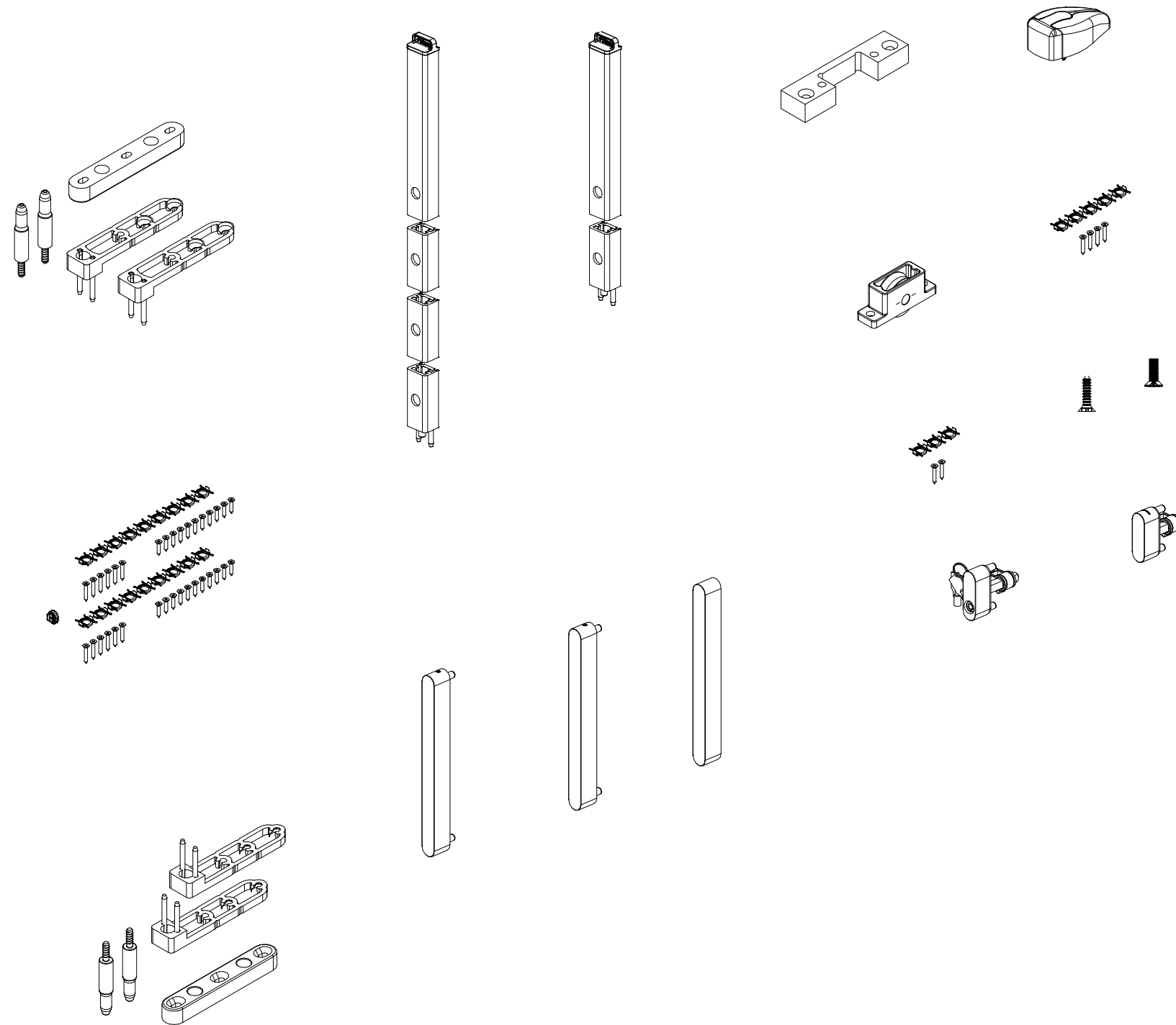
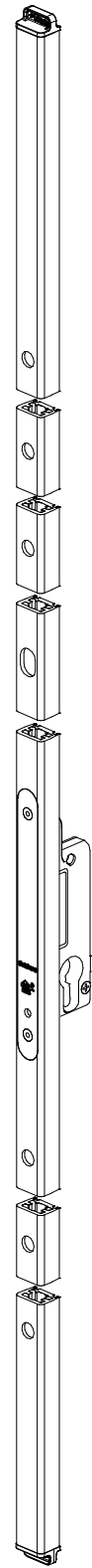
06-26-24



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	K432028X	AS REQD.	DRIP EDGE	ALUMINUM
2	K440869X	AS REQD.	VENT TOP/BOTTOM/JAMB	ALUMINUM
3	K440870X	AS REQD.	GLAZING BEAD	ALUMINUM
4	K440871X	AS REQD.	SNAP ON INTERLOCK	ALUMINUM
5	K440872X	AS REQD.	FRAME EDGE CAP	ALUMINUM
6	K440873X	AS REQD.	HEADER PROFILE	ALUMINUM
7	K440874X	AS REQD.	SILL ROFILE	ALUMINUM
8	K440875X	AS REQD.	ALUMINUM END CAP	ALUMINUM
9	K440876X	AS REQD.	SNAP-IN ROLLER ADAPTER	ALUMINUM
10	K4113924X	AS REQD.	ALUMINUM END CAP	ALUMINUM
11	K440896X	AS REQD.	VENT MEETING STILE	ALUMINUM
12	8A07097X	AS REQD.	CORNER KEY	ALUMINUM
13	8A07097X	AS REQD.	CORNER KEY	ALUMINUM
14	-	AS REQD.	STEEL 3/8"X3 1/8"	STEEL
15	004115	AS REQD.	GASKET	-
16	120514	AS REQD.	WEATHER STRIP	-
17	120717	AS REQD.	GASKET	-
18	8G00148X	AS REQD.	GASKET	-
19	120518	AS REQD.	GASKET	-
20	120716	AS REQD.	GASKET	-
21	8G00149X	AS REQD.	GASKET	-
22	120750	AS REQD.	WEDGE GASKET	-
23	-	AS REQD.	VENT MEETING STILE	ALUMINUM
24	-	AS REQD.	STEEL 1 5/8"X3 7/8"X1/8"	STEEL
25	-	AS REQD.	STEEL 1 1/8"X2"X1/8"	STEEL
26	-	AS REQD.	STEEL 3/4"X2 3/4"	STEEL
27	-	AS REQD.	STEEL 3/4"X3 1/8"	STEEL
28	K440954X	AS REQD.	VENT INTERLOCK ADAPTER	ALUMINUM
29	-	AS REQD.	SMS SCREWS	-
30	-	AS REQD.	STEEL TUBE	STEEL
31	-	AS REQD.	STEEL L- BAR	STEEL
32	-	AS REQD.	ALUMINUM FLAT BAR	ALUMINUM

**HARDWARE ISOMETRIC VIEW**

**FL# 46592.1**



**LOCKING MECHANISM ISOMETRIC VIEW**



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No.	DATE	BY	DESCRIPTION

date: 06-26-24

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drawn by: MK

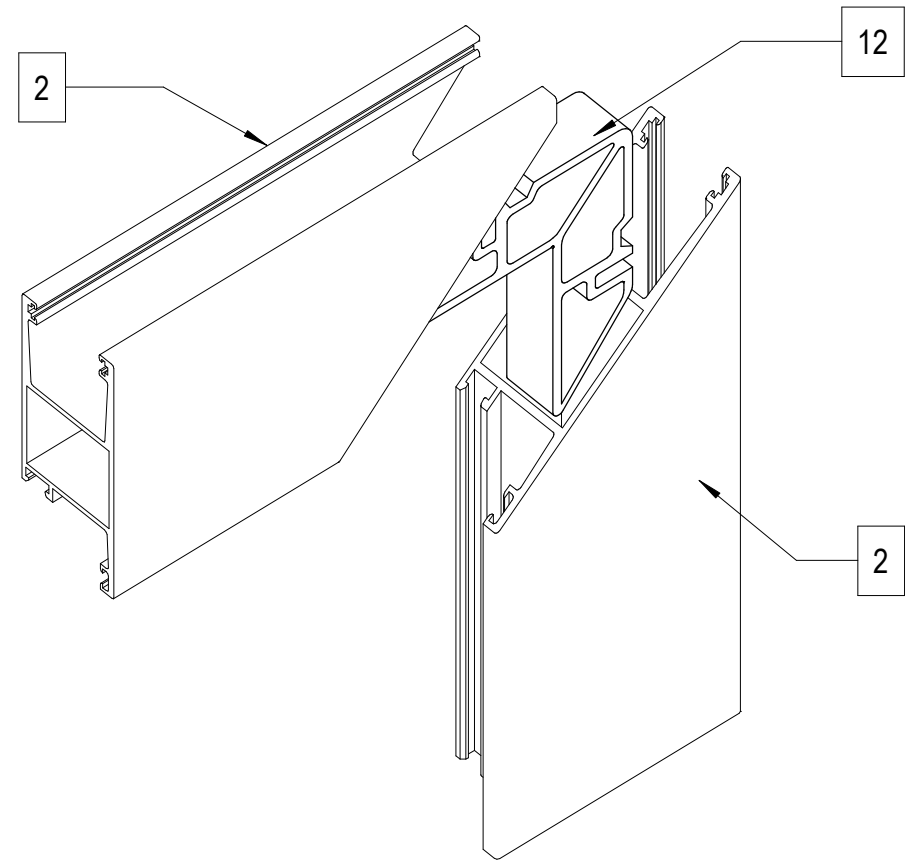
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Drawing no. JA-1234-24

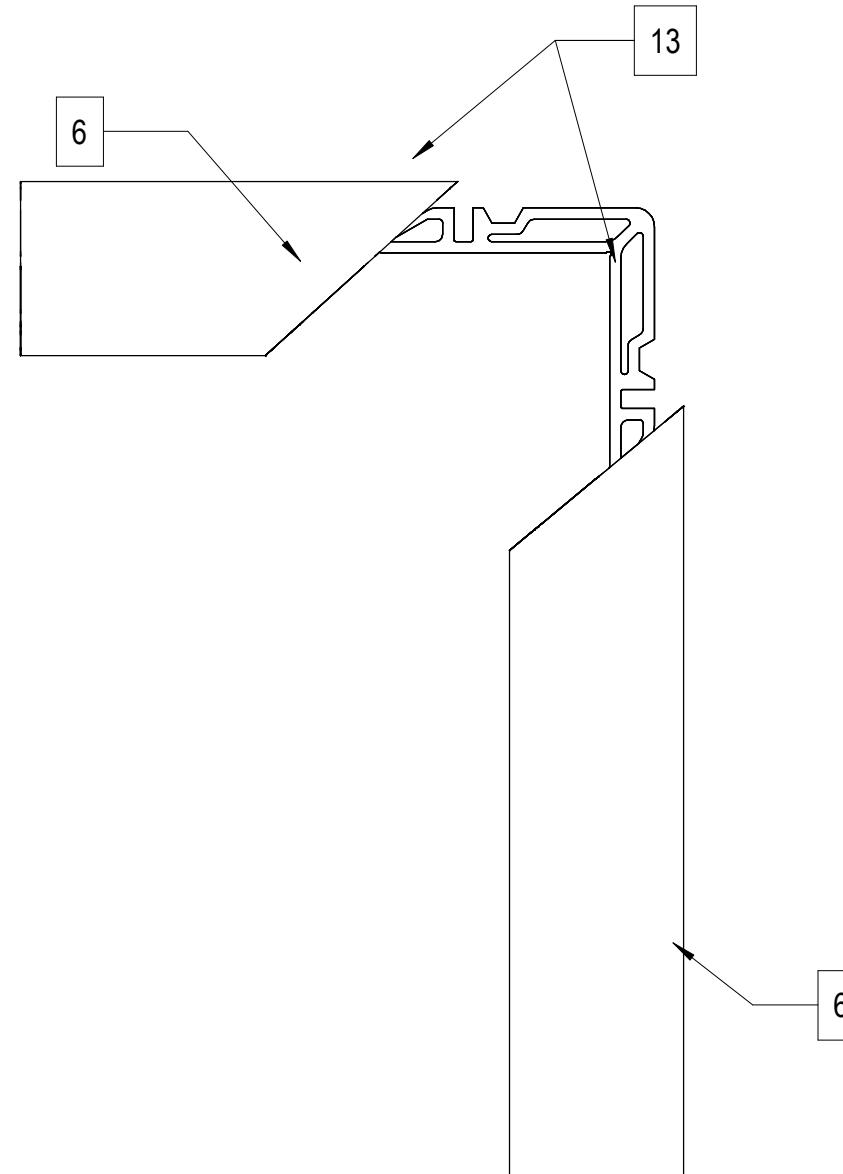
Eng: JAVAD AHMAD, PE  
CIVIL FLA. PE # 70592 - C.A.N.34254



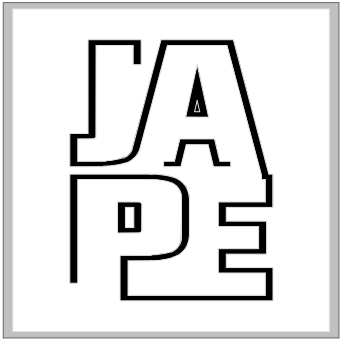
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VENT CORNER DETAIL



FRAME CORNER DETAIL



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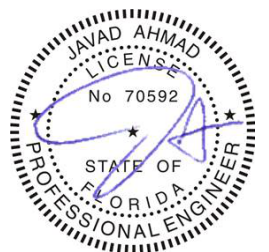
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