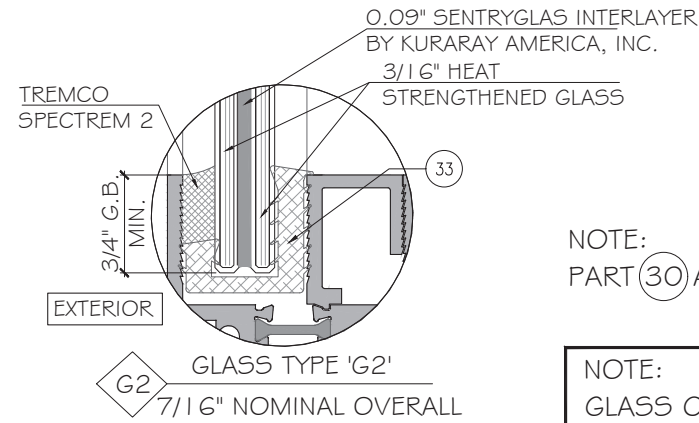
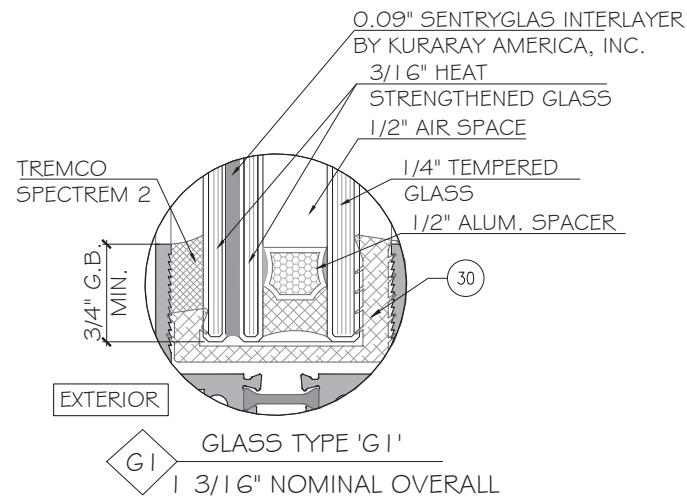


CUHADAROGLU METAL SAN.PAZ.A.S
SERIES HR7 SLIDING GLASS DOOR - (L.M.I)



NOTE:
PART (30) AND (33) CAN BE USED AS SETTING BLOCK.

NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).

GENERAL NOTES:

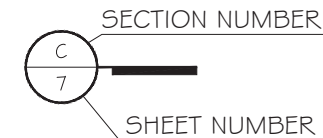
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION OF FBC 2023/ 9TH EDITION OF FBC 2026 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION OF FBC 2023/ 9TH EDITION OF FBC 2026 SECTION AS APPLICABLE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- 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.
- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.
- HARDWARE CHECKED FOR WIND LOAD IN CLOSED POSITION ONLY; OPERATION PER MANUFACTURER'S INSTRUCTIONS. DOORS MUST BE CLOSED AND SECURED WHEN A HURRICANE WARNING IS ISSUED.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.
- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 35, OR EQUIVALENT CORROSION RESISTANCE).
- CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E1 TO E3 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION.
- STEP 3: ANCHOR OPTION SEE SHEET A1. ANCHOR LAYOUT SEE SHEET E1 TO E3.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

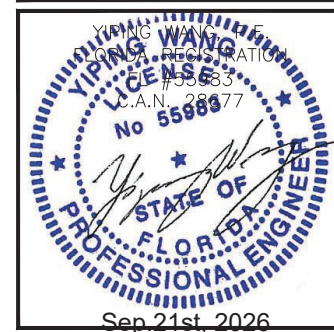
G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER



LIMITATIONS OF USE

- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- 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.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- 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.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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SERIES HR7 SLIDING GLASS DOOR - (L.M.I)

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R1	09.20.2026	James	FBC 2026		
R0	08.17.2023	James	NEW APPLICATION		
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Scale

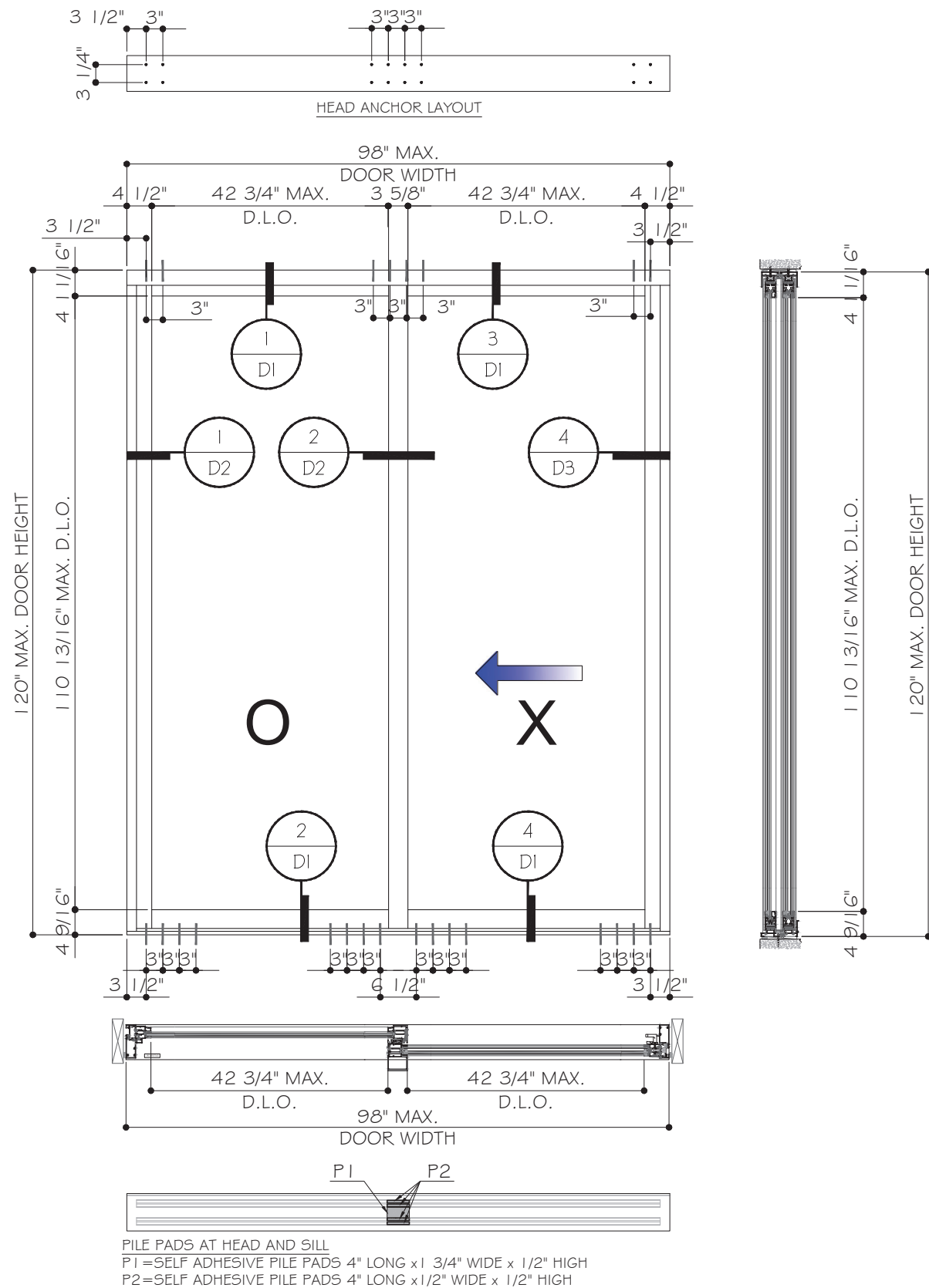
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AD23-15

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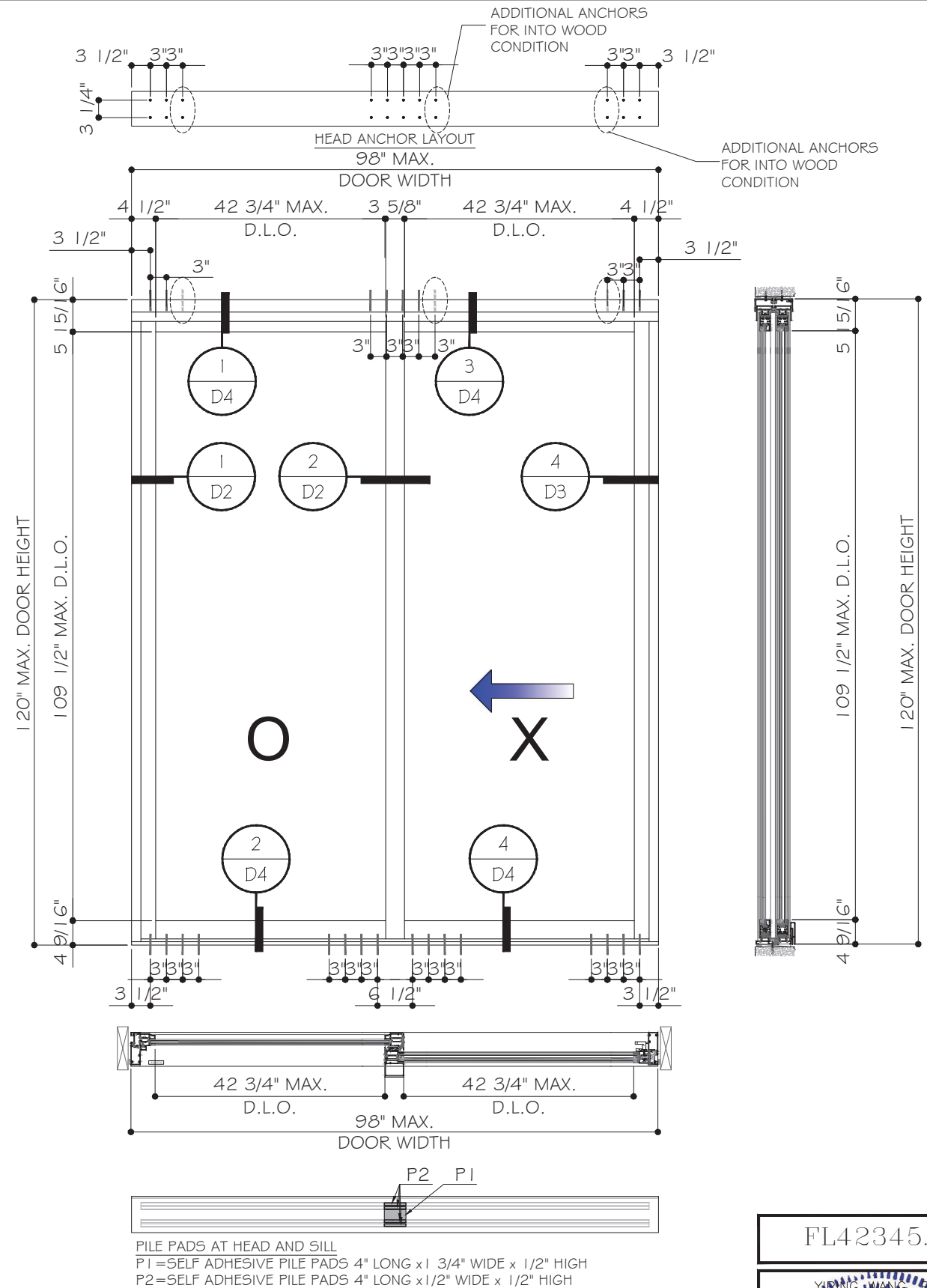
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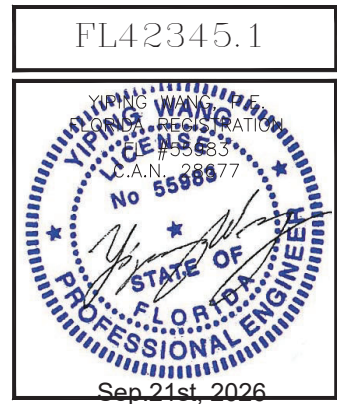
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OX (SHOWN) OR XO (OPTION)

DESIGN LOAD (psf)		
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC		
SILL W/ RISER	+80	-80
SILL W/O RISER	+61.3	-80



TYPICAL EXTERIOR ELEVATION W/ HEAD RECEPTOR
OX (SHOWN) OR XO (OPTION)

DESIGN LOAD (psf)		
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC		
SILL W/ RISER	+80	-80
SILL W/O RISER	+61.3	-80



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R0	08.17.2023	James	NEW APPLICATION

Drawn Date 09.20.2026 Scale

DRAWING NO.
AD23-15

E1
Sheet No.
2 OF 14



DESIGN LOAD (psf)		
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC		
SILL W/ RISER	+80	-80
SILL W/O RISER	+61.3	-80

				FBC 2026			
				NEW APPLICATION			
				Description			
			R1	James	Drawn By	Date	
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DRAWING NO.							
AD23-15							
E2							
Sheet No.							
3 OF 14							



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DESIGN LOAD (psf)		
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC		
SILL W/ RISER	+80	-80
SILL W/O RISER	+61.3	-80



SERIES HR7 SLIDING GLASS DOOR - (L.M.I)
CUHADAROGLU METAL SAN.PAZ.A.S
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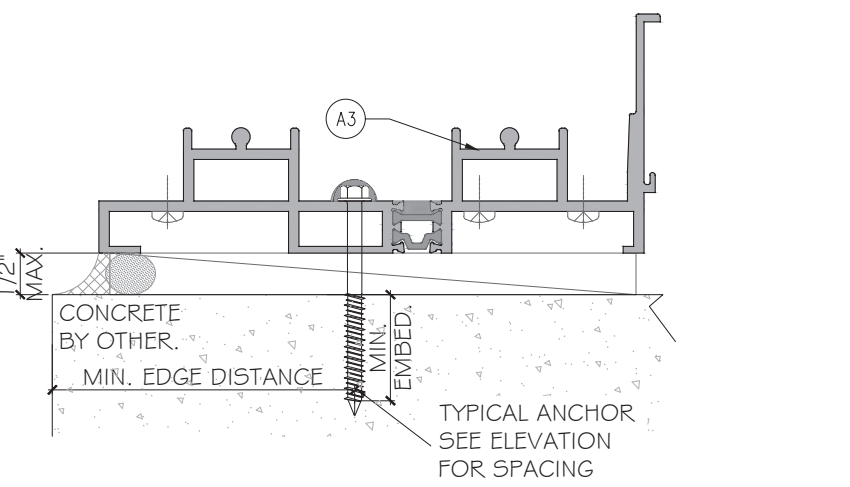
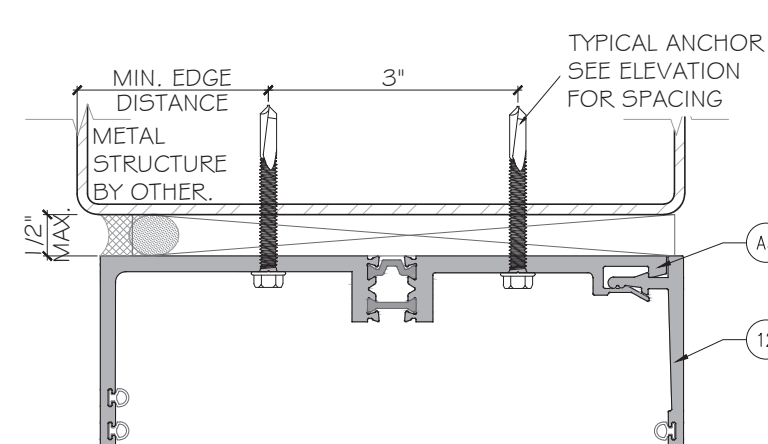
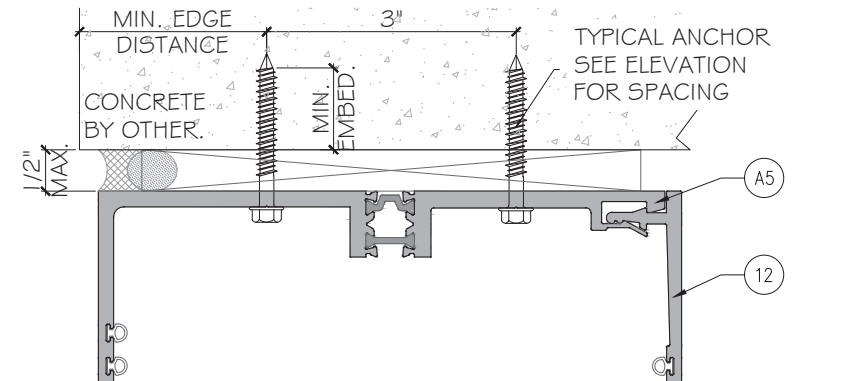
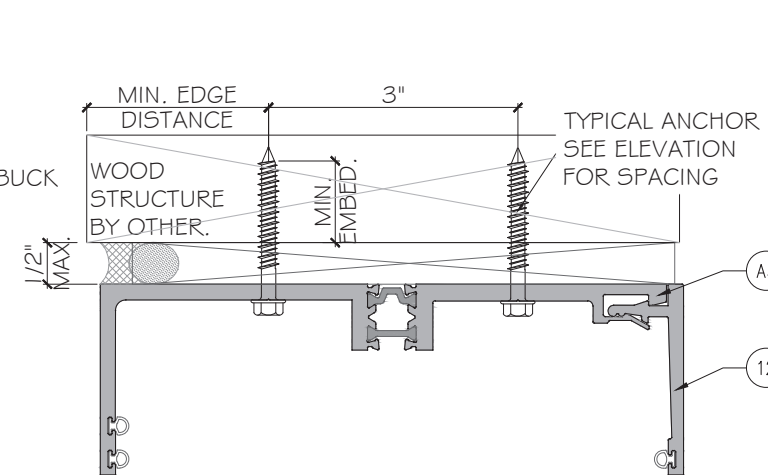
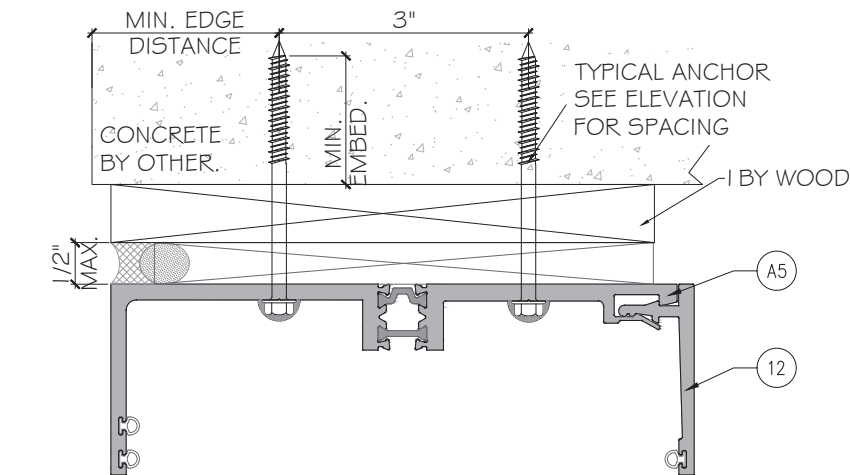
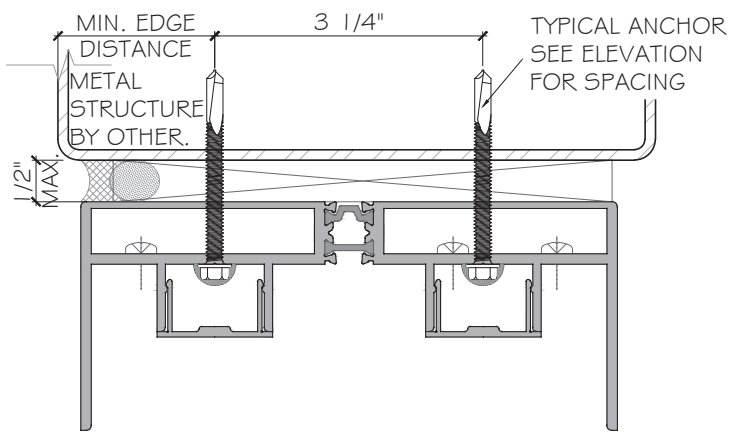
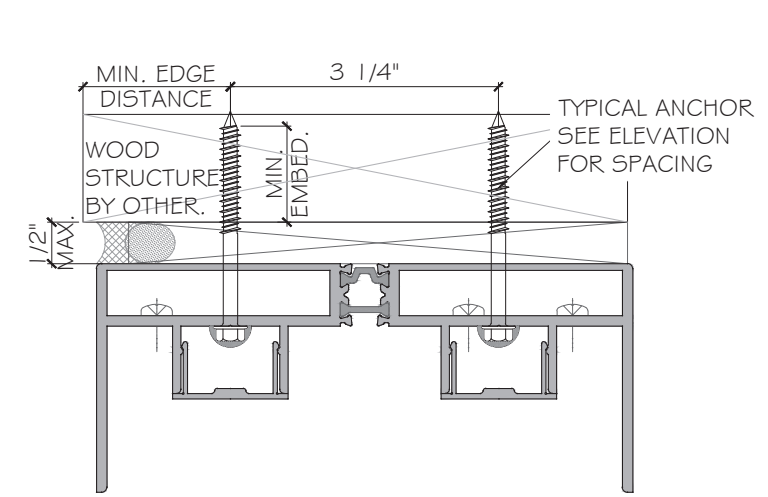
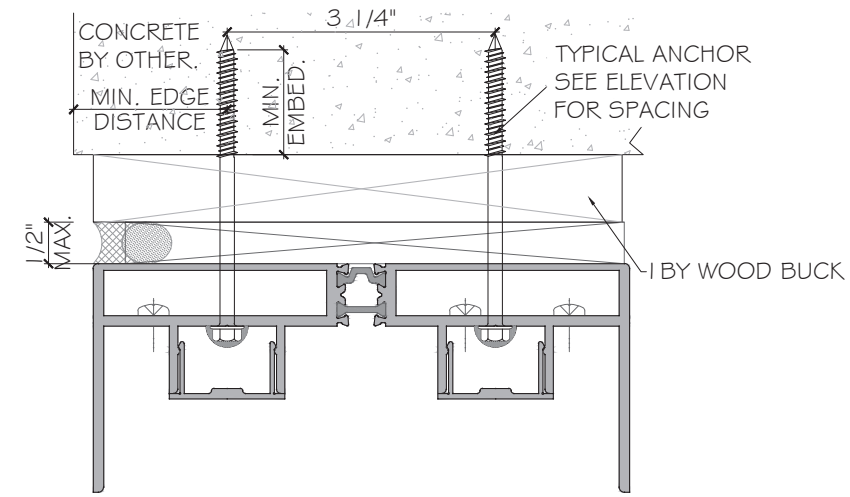
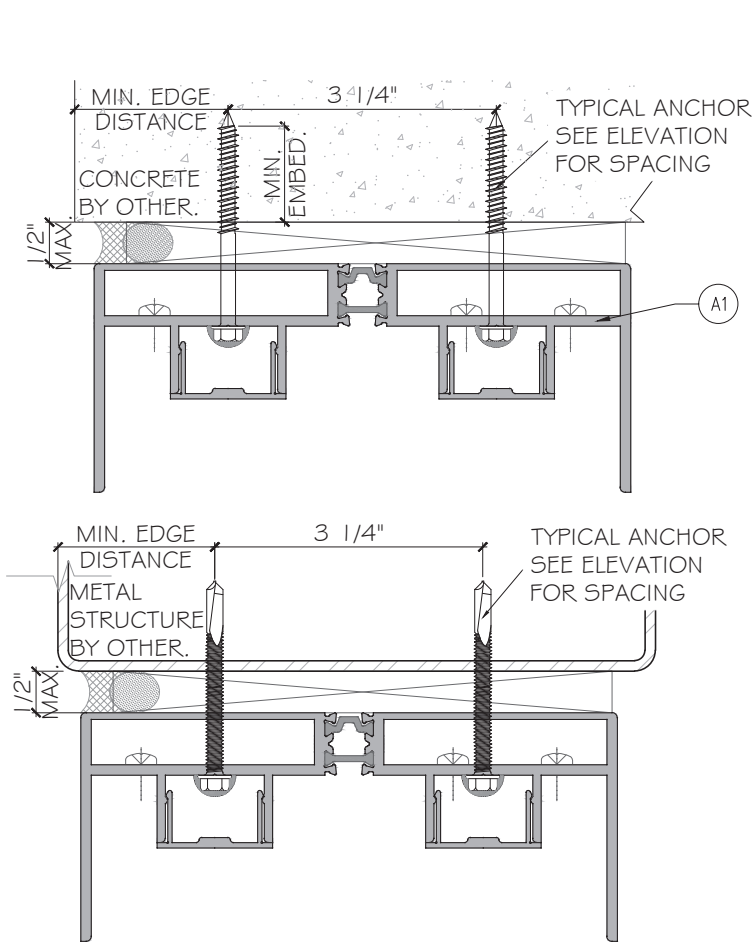
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Rev. No.	Date	Drawn By	Description

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09/20/2026	

DRAWING NO.
AD23-15

E3

Sheet No.
4 OF 14



NOTE: WOOD BUCKS & METAL STRUCTURES NOT BY CUHADAROGLU METAL SAN. PAZ. A.S. MUST BE PROPERLY SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURES.

TYPICAL ANCHOR TYPES

ANCHOR TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(Fu= 164KSI, Fy= 148KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE, 1 1/2" MIN. PENETRATION INTO WOOD (HEAD)

THROUGH 1X WOOD BUCKS INTO CONCRETE 1 3/4" MIN. EMBEDMENT INTO CONCRETE (HEAD)

ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(Fu= 164KSI, Fy= 148KSI) DIRECTLY INTO CONCRETE W/1 3/4" MIN. EMBEDMENT (HEAD/ SILL)

ANCHOR TYPE 'C' - 1/4" DIA. TEKS/SELF DRILLING SCREW (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6063-T5, MIN)
STEEL: 1/8" THK. MIN. (Fy=36KSI MIN)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCE:
INTO WOOD STRUCTURE: 1" MIN
INTO METAL: 3/4" MIN.
INTO CONCRETE: 2 1/2" MIN.

SUBSTRATE:
WOOD, SG = 0.55 MIN.
CONCRETE AT HEAD/SILL/JAMB, f'c = 3000 PSI MIN.
C-90 HOLLOW /FILLED BLOCK AT JAMBS: f'm=2000 PSI MIN.

FL42345.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55983
REG. NO. 28477
STATE OF FLORIDA

Sep 21st, 2026

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

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SERIES HR7 SLIDING GLASS DOOR - (L.M.I)

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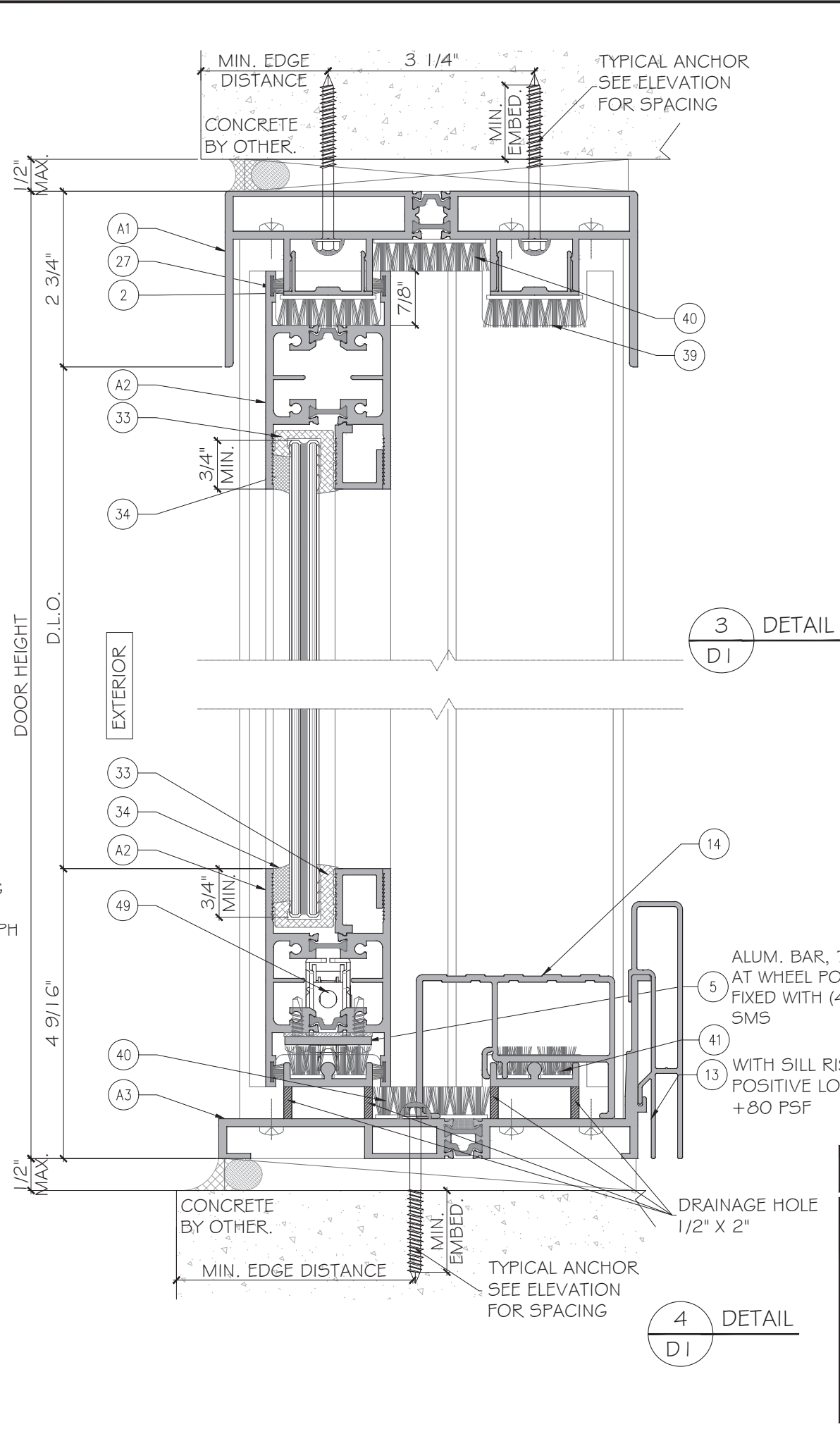
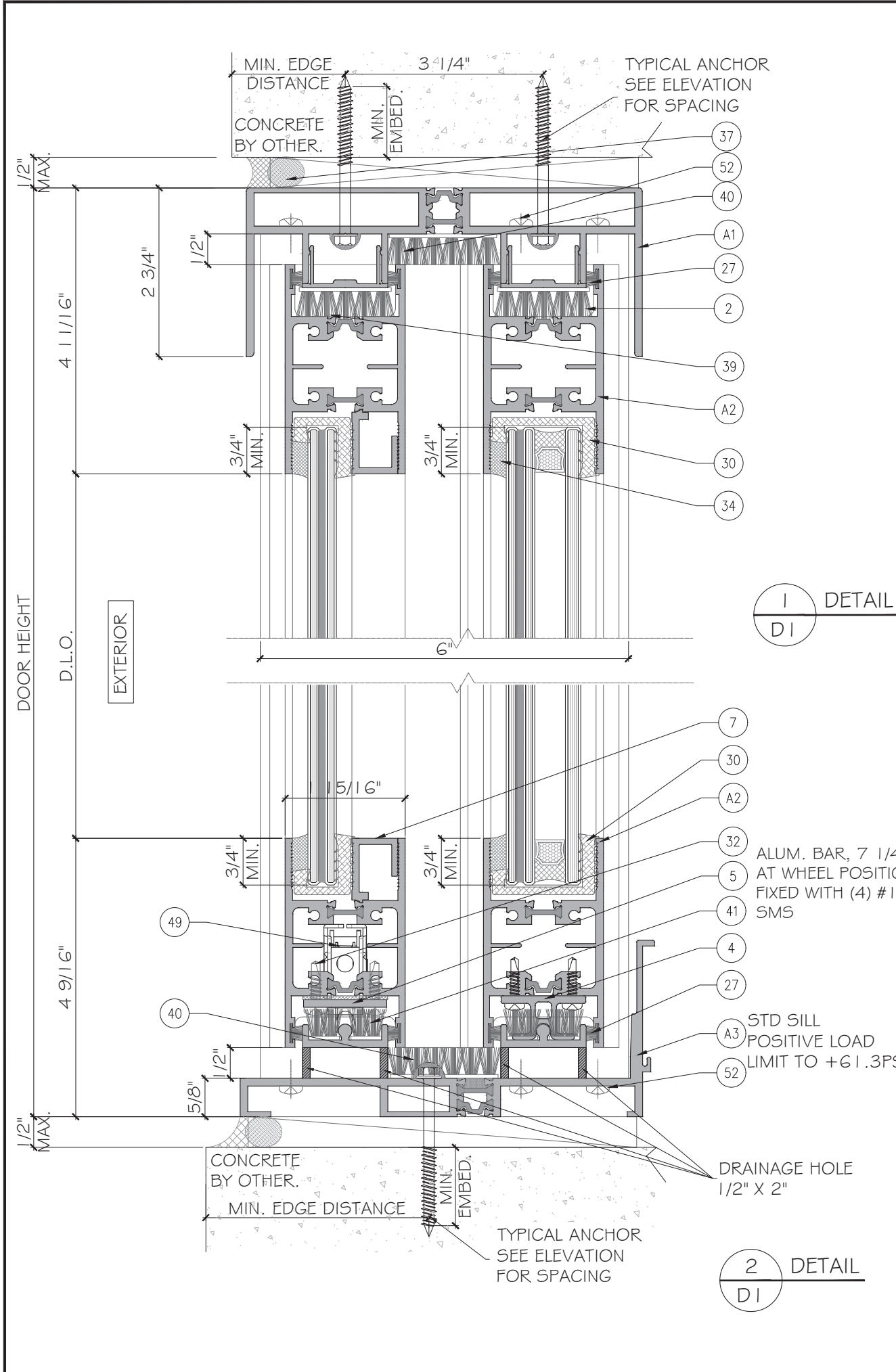
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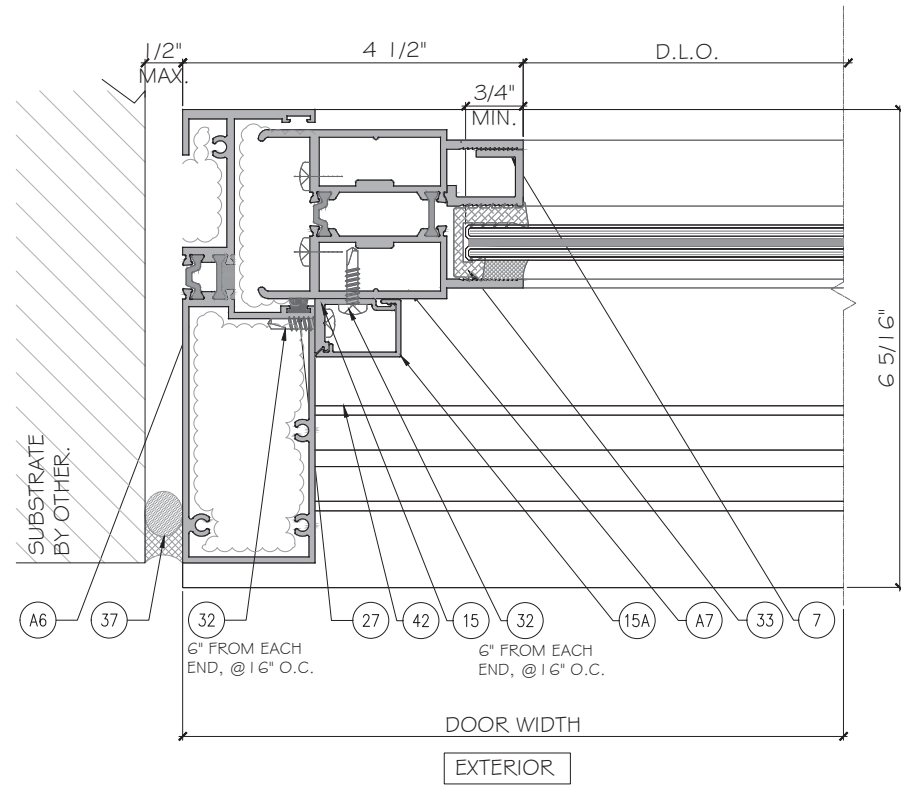
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5 OF 14



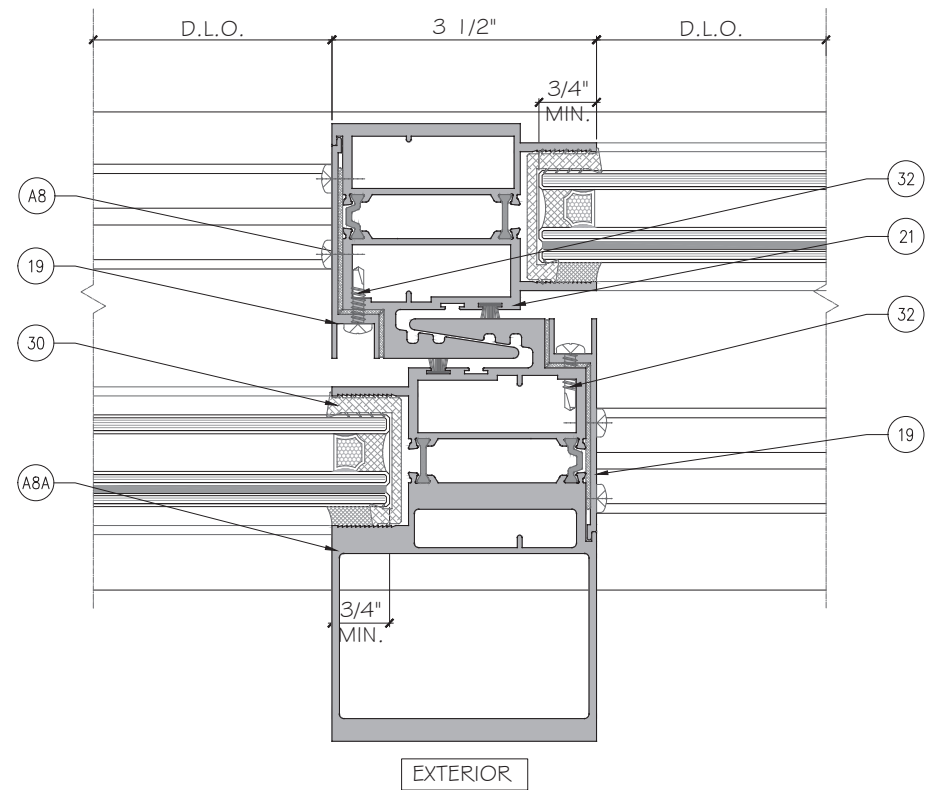
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REGISTERED PROFESSIONAL ENGINEER
No 55983
FLORIDA
Sep 21st, 2026

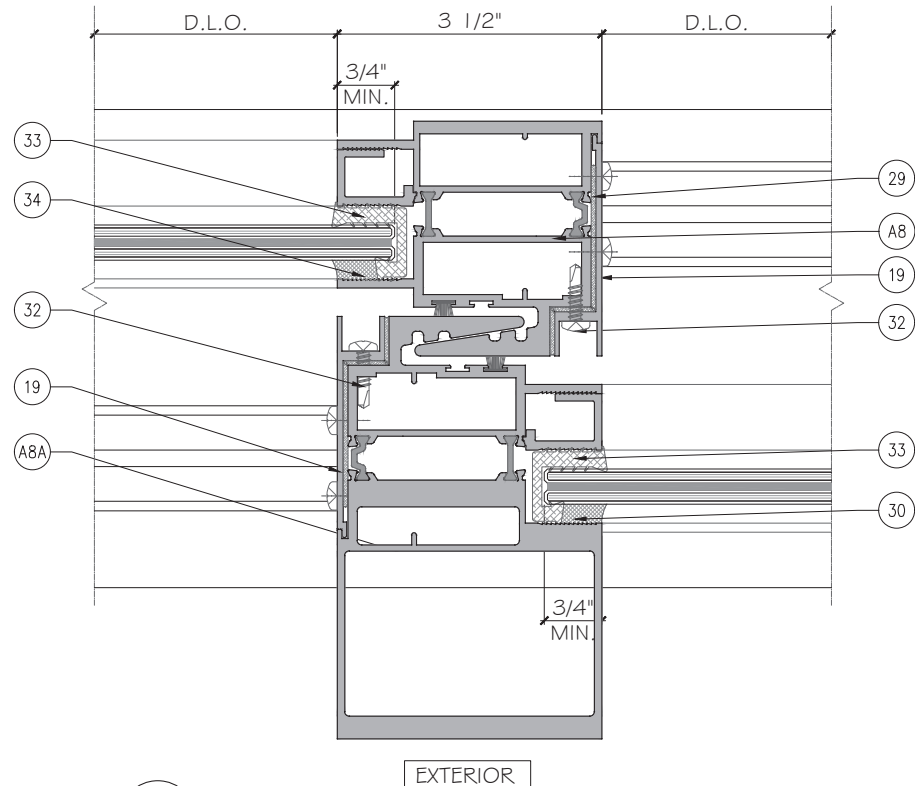
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SERIES HR7 SLIDING GLASS DOOR - (L.M.I.) CUHADAROGU METAL SAN.PAZA.S YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU ISTANBUL, TURKIYE 34524 TEL. +90 212 224 2020 FAX. +90 212 224 2040			
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Drawing No.		AD23-15	
Sheet No.		D1	
		6 OF 14	



1
D2
DETAIL



3
D2
DETAIL
INTERLOCK



2
D2
DETAIL
INTERLOCK

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YIPING WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE No. 55983
REGISTRATION No. 28477

Sep 21st, 2026

SERIES HR7 SLIDING GLASS DOOR - (L.M.I.)

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DRAWING NO.
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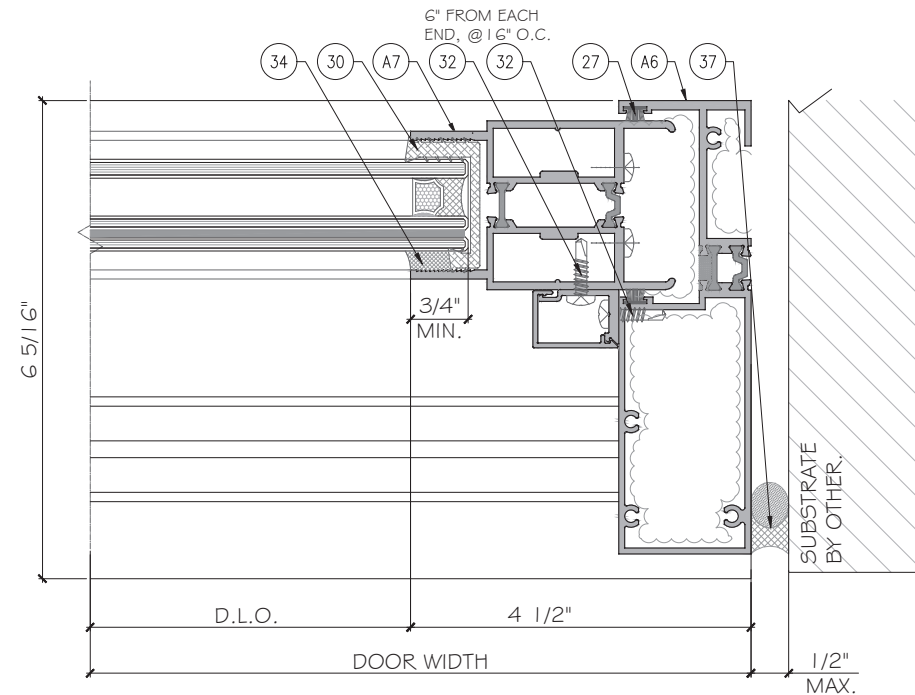
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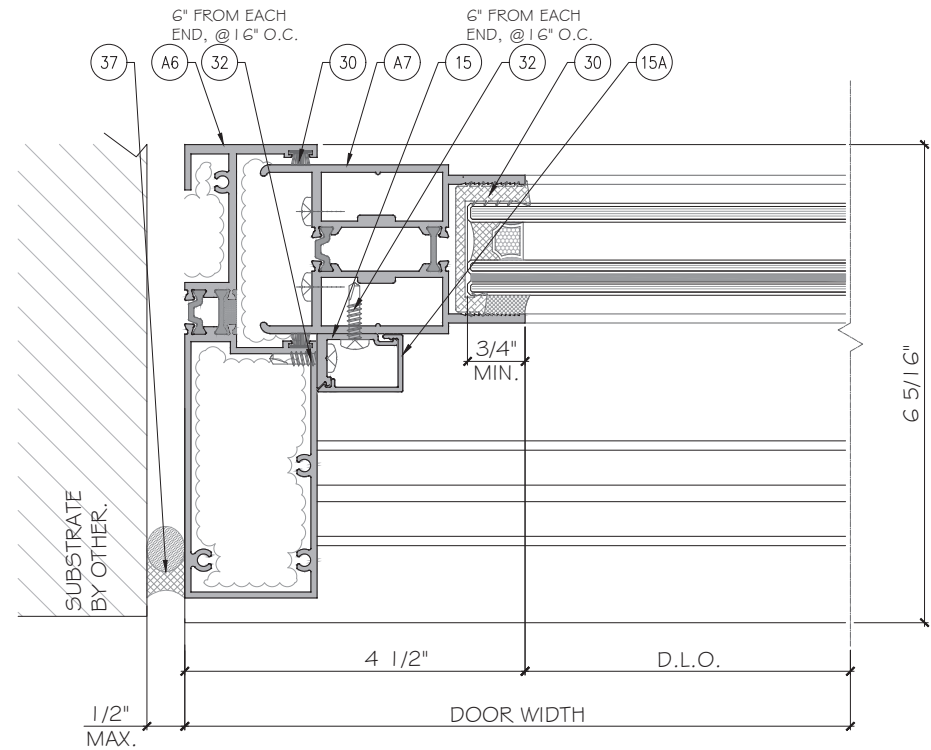
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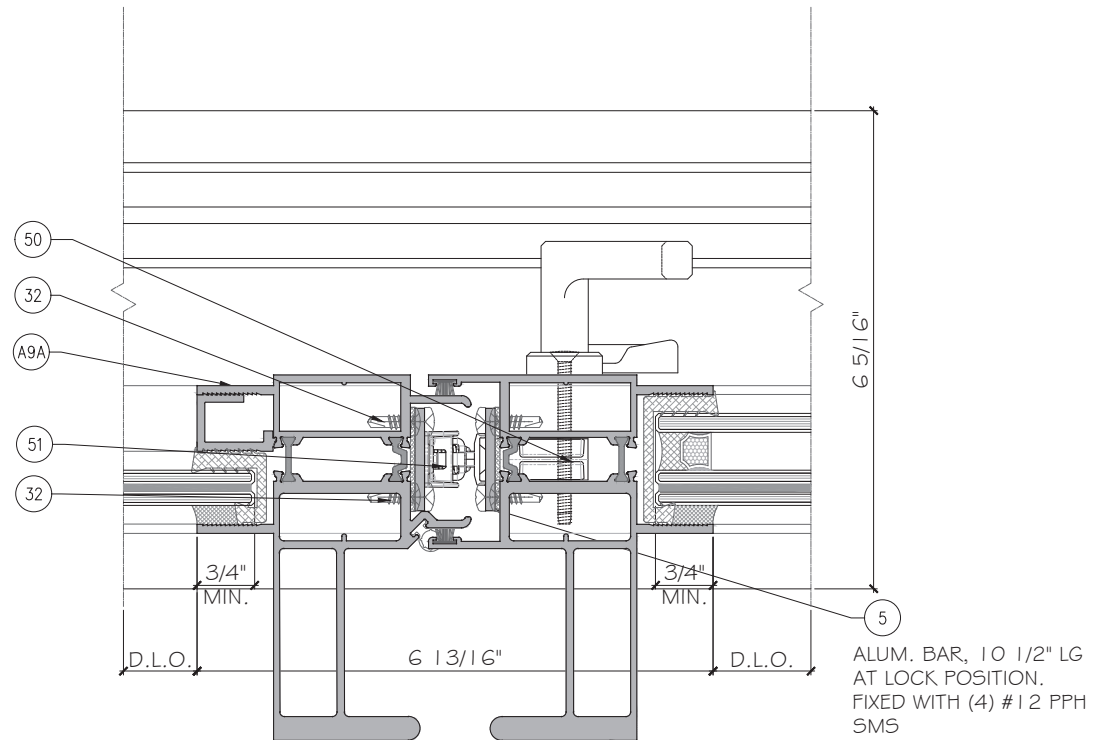
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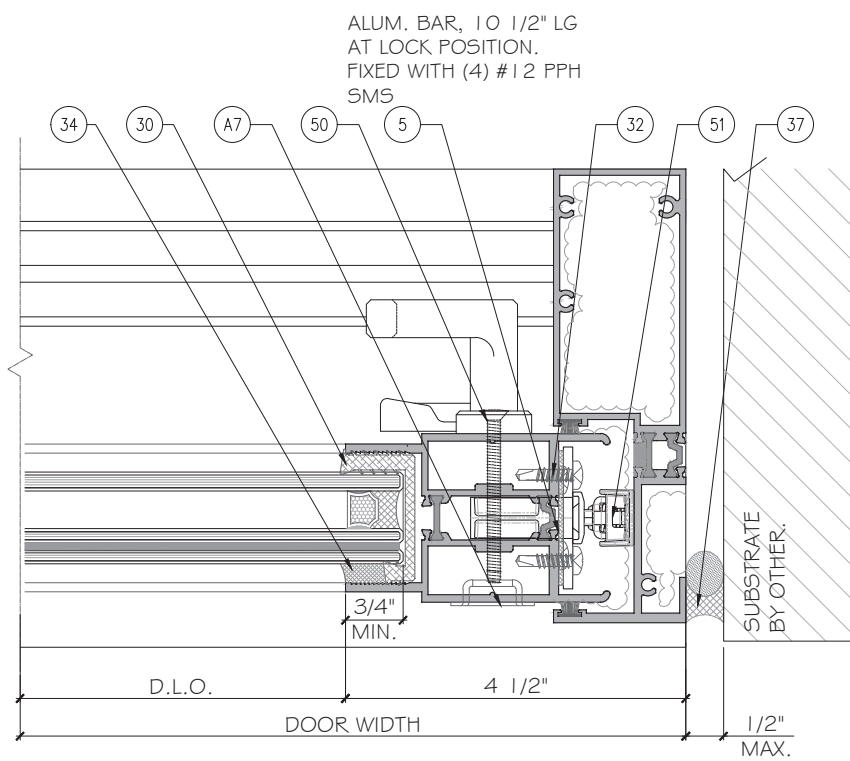
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EXTERIOR



3
D3
DETAIL

EXTERIOR



4
D3
DETAIL

EXTERIOR

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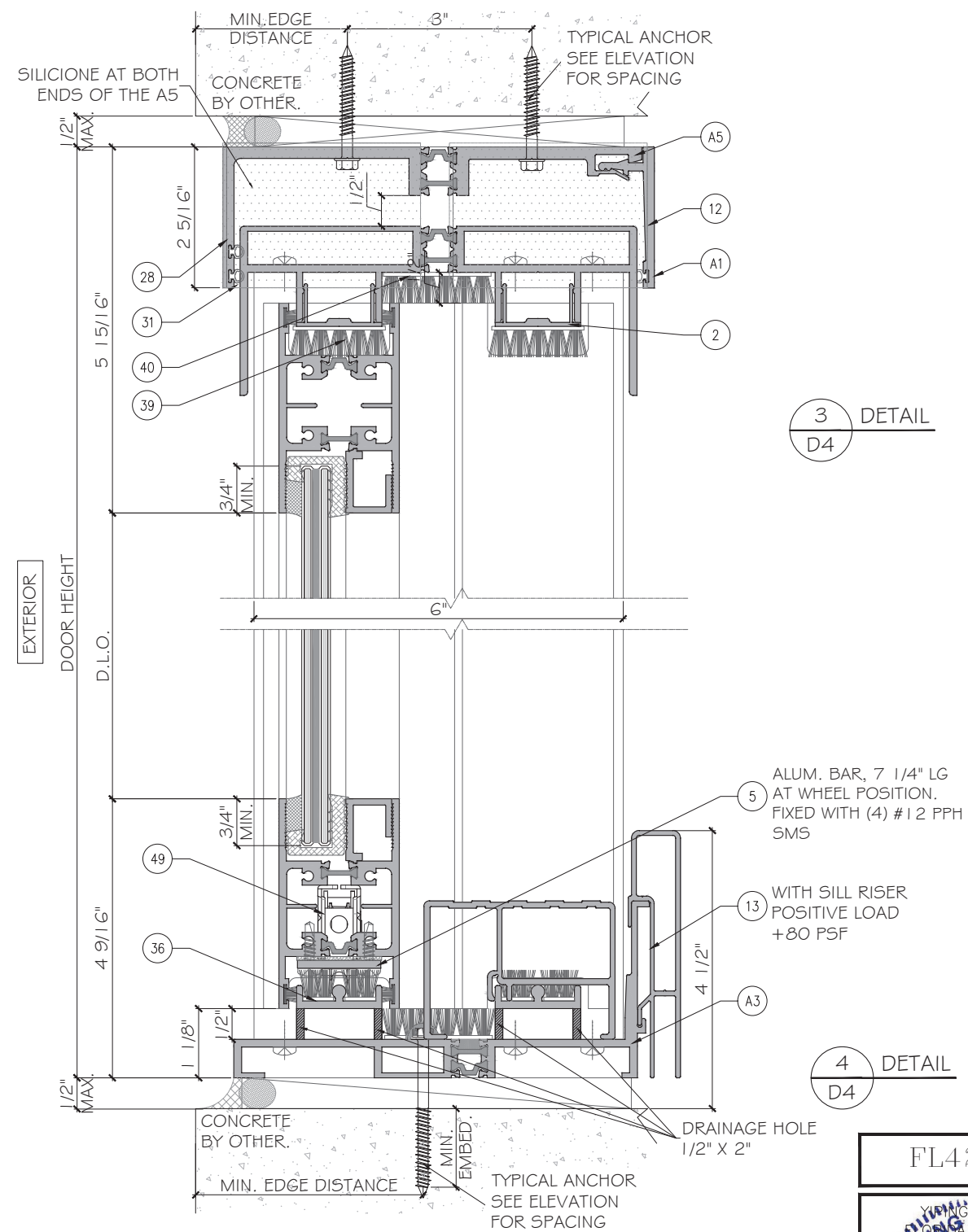
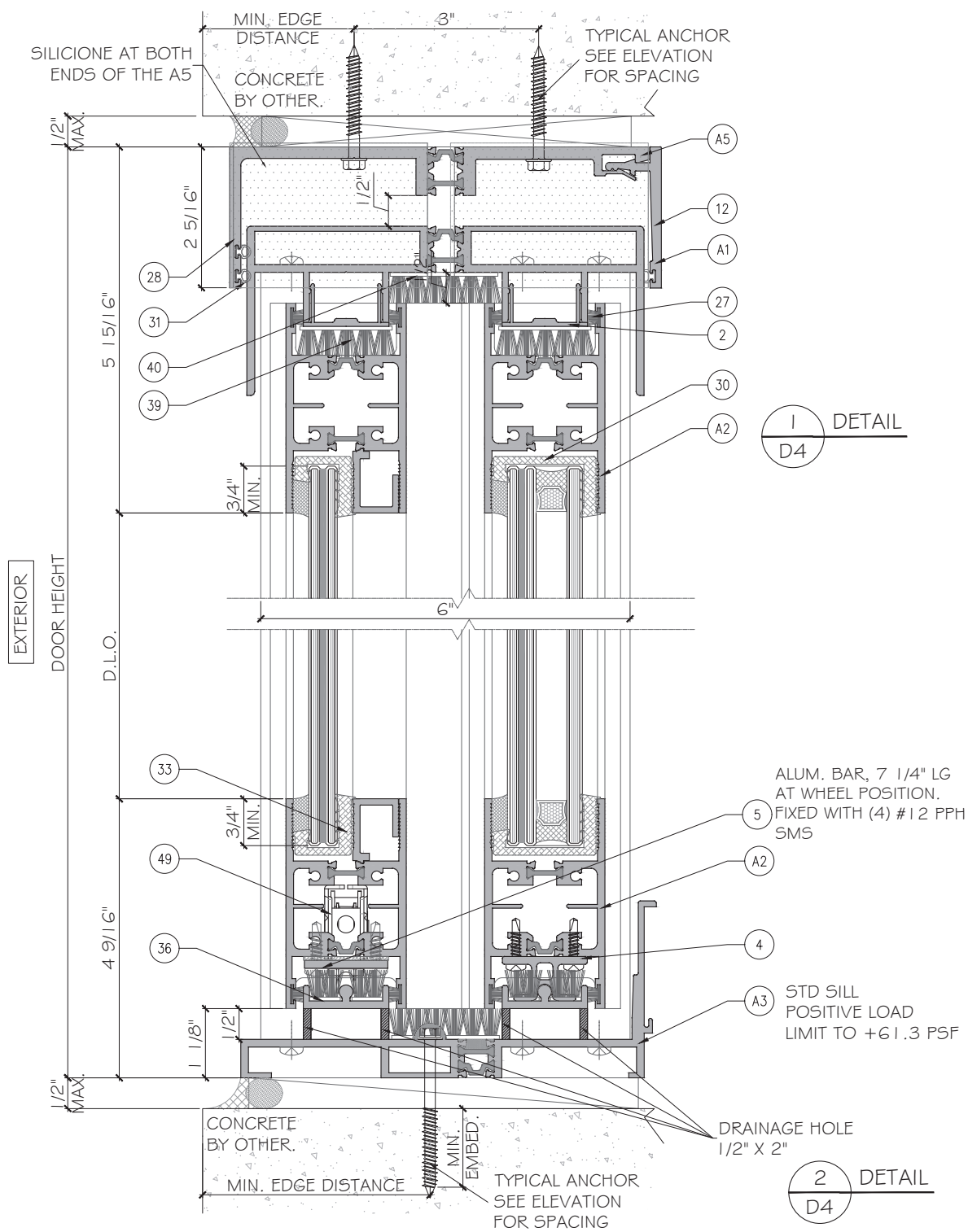
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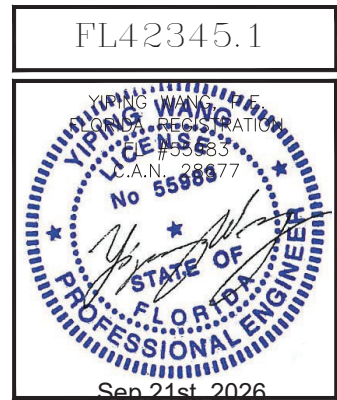
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DRAWING NO.
AD23-15

Sheet No.
8 OF 14



THE DRAINAGE SYSTEM IS REALIZED BY DRILLING SLOTS BELOW THE SILL PROFILE GUIDE (REF. A3) OF 1/2" X 2". FOR TWO PANELS DOOR.THE INTERIOR GUIDE LINE IS DRILLED IN FOUR POINTS, ALL THE SLOTS ARE FILLED WITH HALF FOAM TO PREVENT AIR LEAKAGE. THE EXTERIOR GUIDE IS DRILLED IN THREE POINTS, THE INNER SLOTS ARE FILLED WITH HALF FOAM TO PREVENT AIR LEAKAGE. FOR FOUR PANELS DOOR.THE INTERIOR GUIDE LINE IS DRILLED IN EIGHT POINTS, ALL THE SLOTS ARE FILLED WITH HALF FOAM TO PREVENT AIR LEAKAGE. THE EXTERIOR GUIDE IS DRILLED IN SIX POINTS, THE INNER SLOTS ARE FILLED WITH HALF FOAM TO PREVENT AIR LEAKAGE.



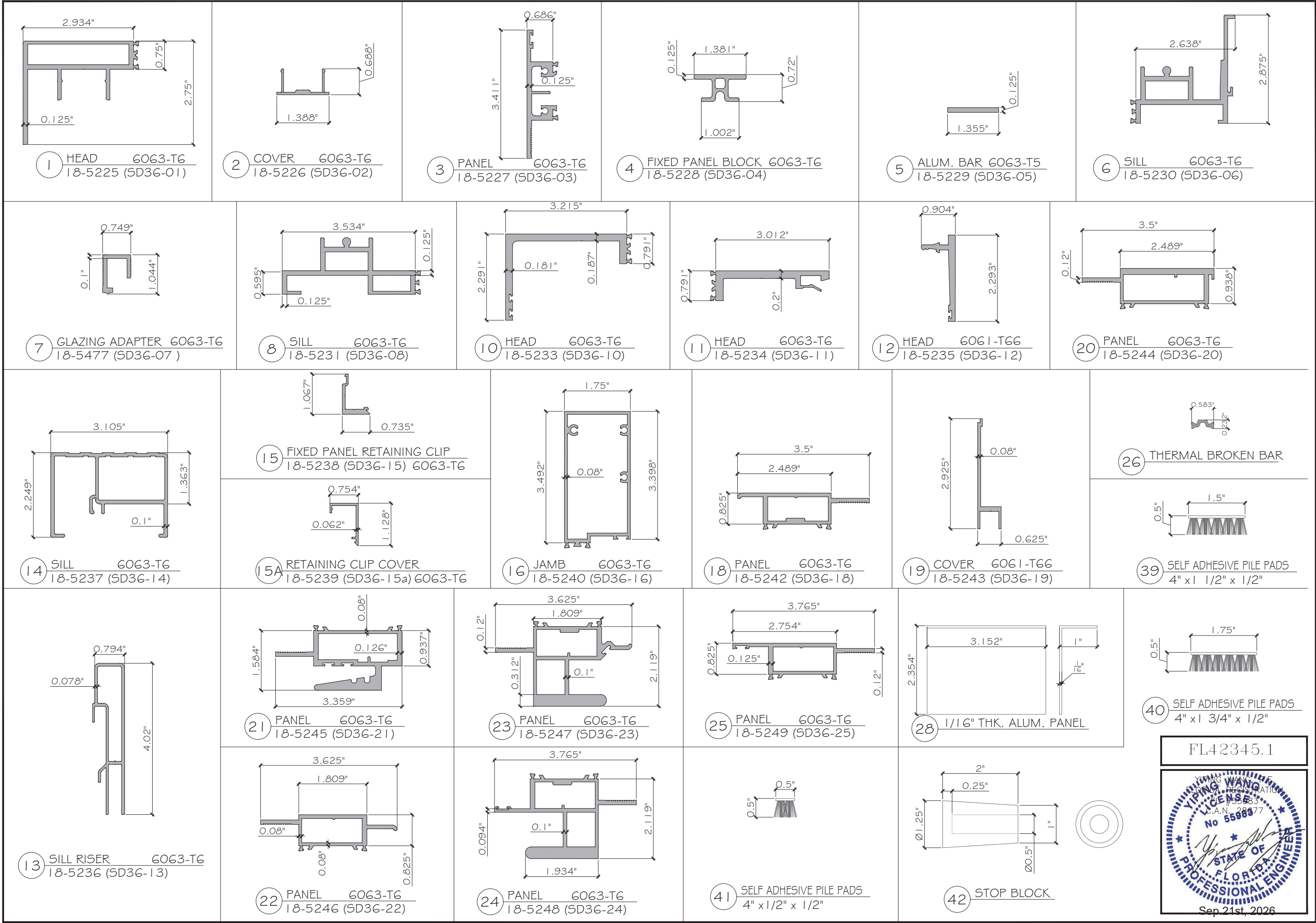
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Drawn Date	Scale
09.20.2026	

DRAWING NO.
AD23-15

D4

Sheet No.
9 OF 14



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Scale

DRAWING NO.

AD23-15

PART

Sheet No.

10 OF 14

FL42345.1

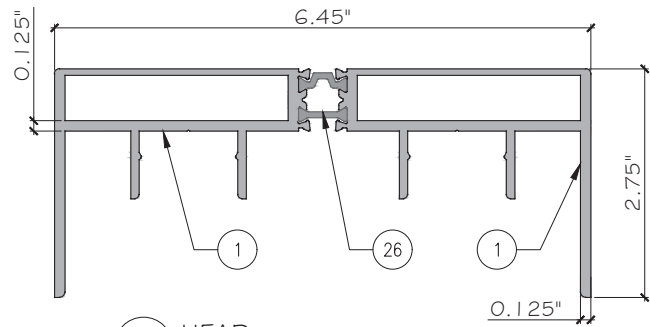
YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

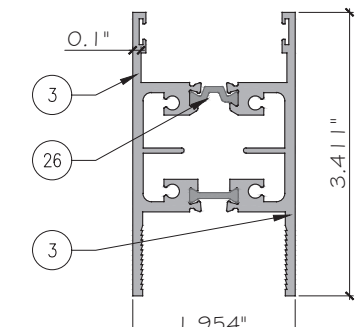
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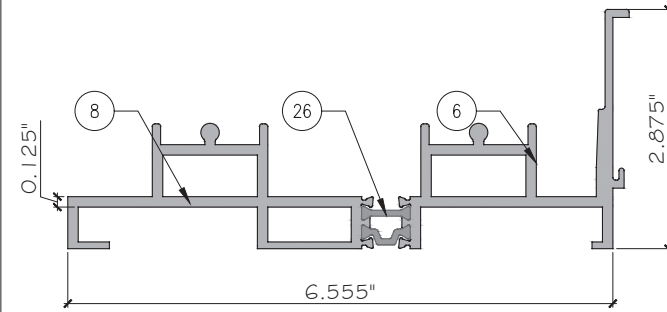
Sep 21st, 2026



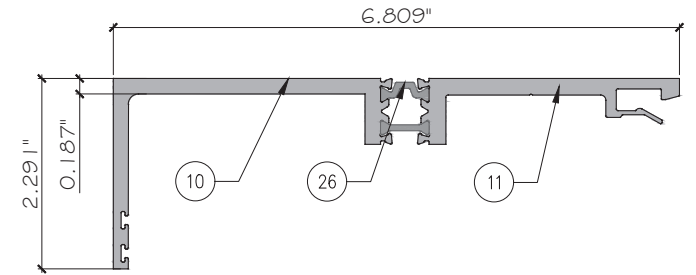
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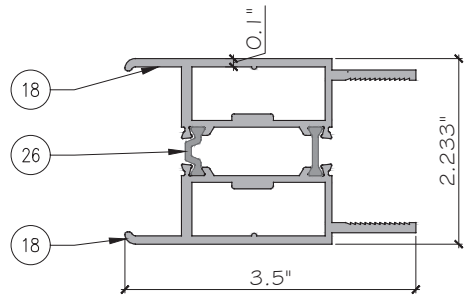
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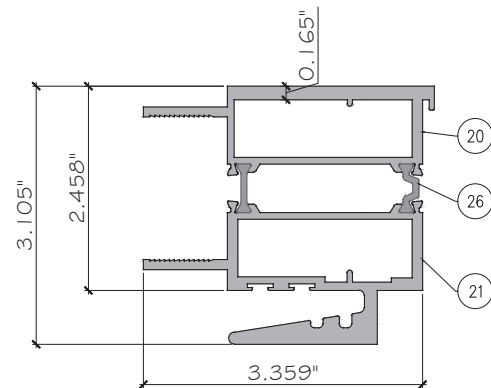
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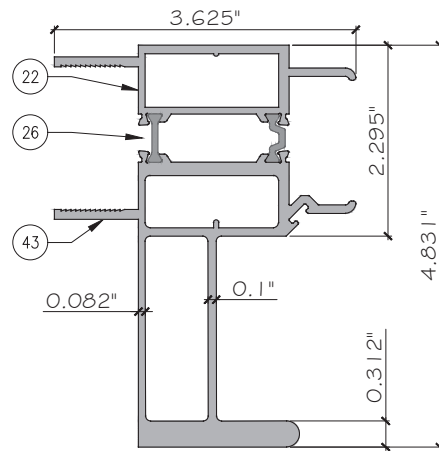
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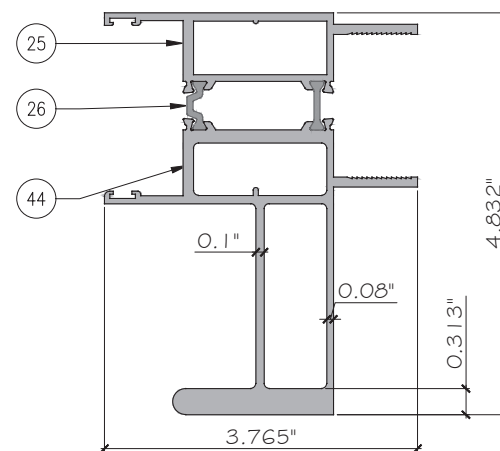
A7 PANEL
SD36-A7 6063-T6



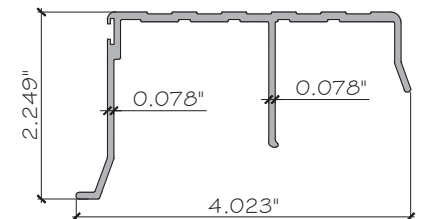
A8 PANEL
SD36-A8 6063-T6



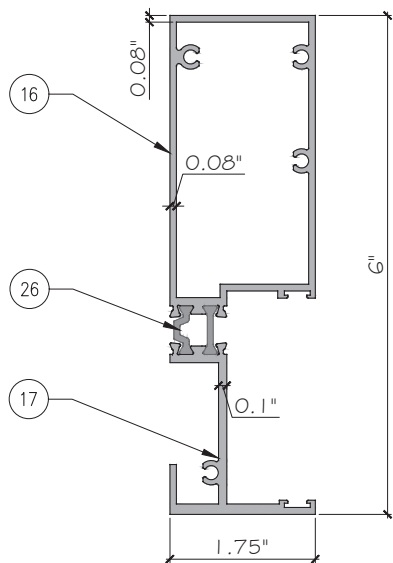
A9A PANEL
SD36-A9A 6063-T6



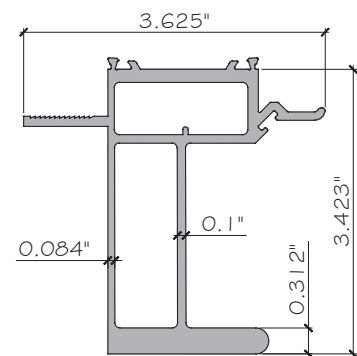
A10A PANEL
SD36-A10A 6063-T6



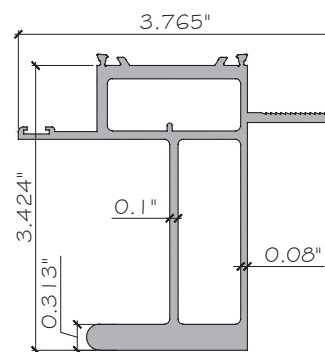
46 SILL
SD36-46 6063-T6



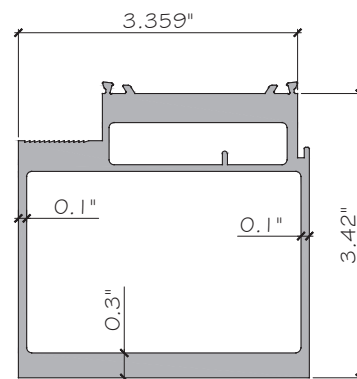
A6 JAMB
SD36-A6 6063-T6



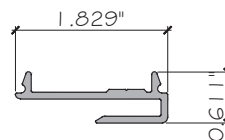
43 PANEL 6063-T6
19-5889 (SD36-43)



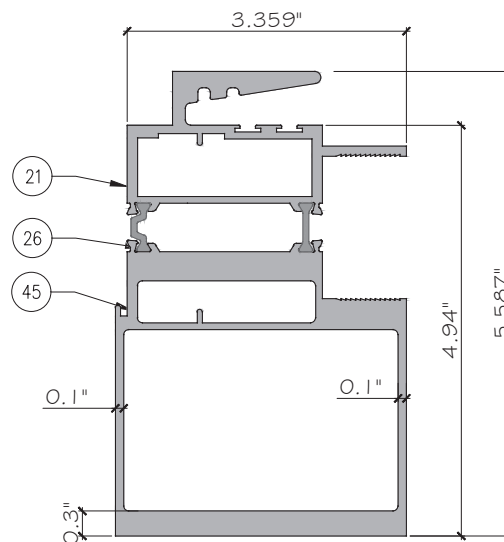
44 PANEL 6063-T6
19-5890 (SD36-44)



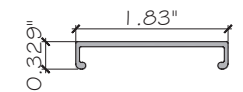
45 PANEL 6063-T6
19-5891 (SD36-45)



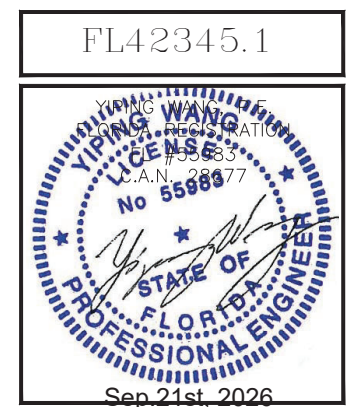
47 RETAINING CLIP
SD36-47 6063-T6



A8A PANEL
SD36-A8A 6063-T6

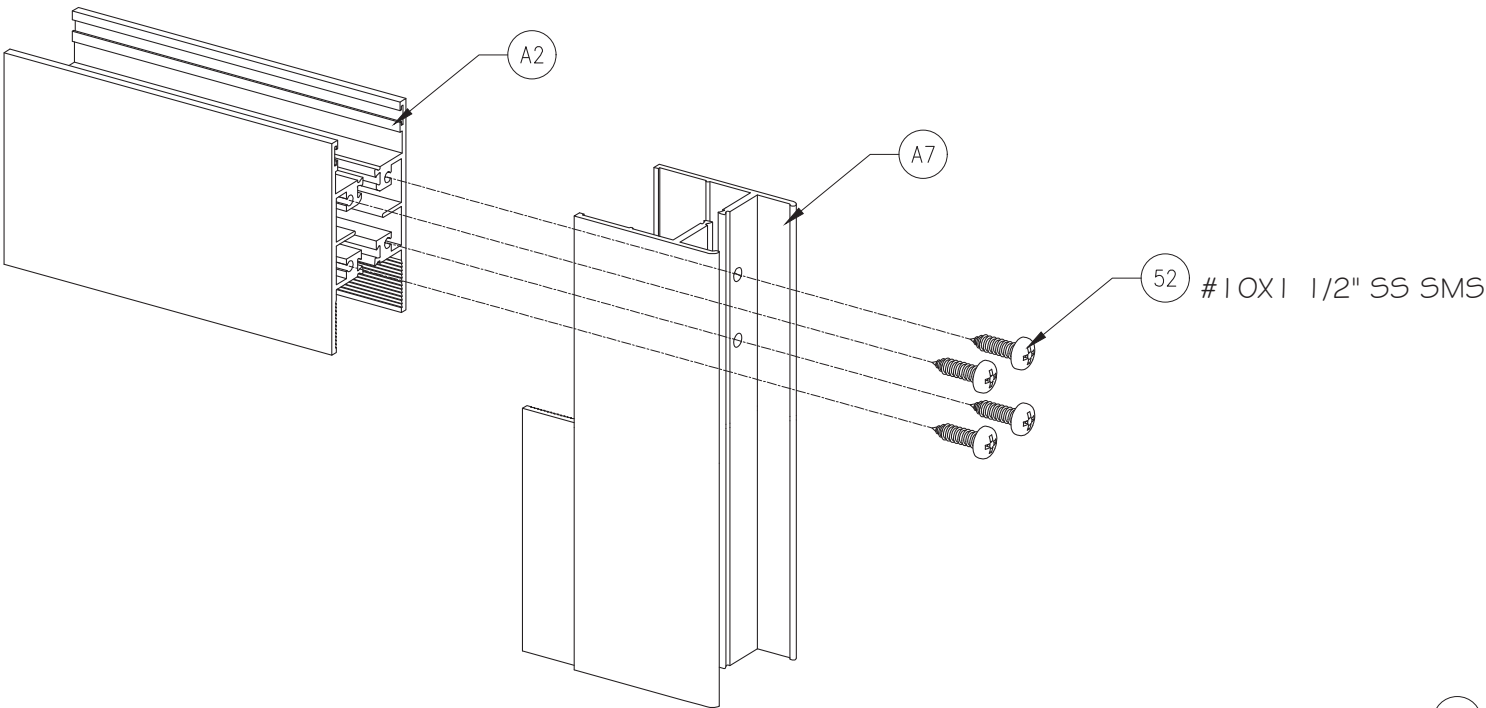


48 COVER
SD36-48 6063-T6



HARDWARE FOR TWO PANELS SLIDING DOOR

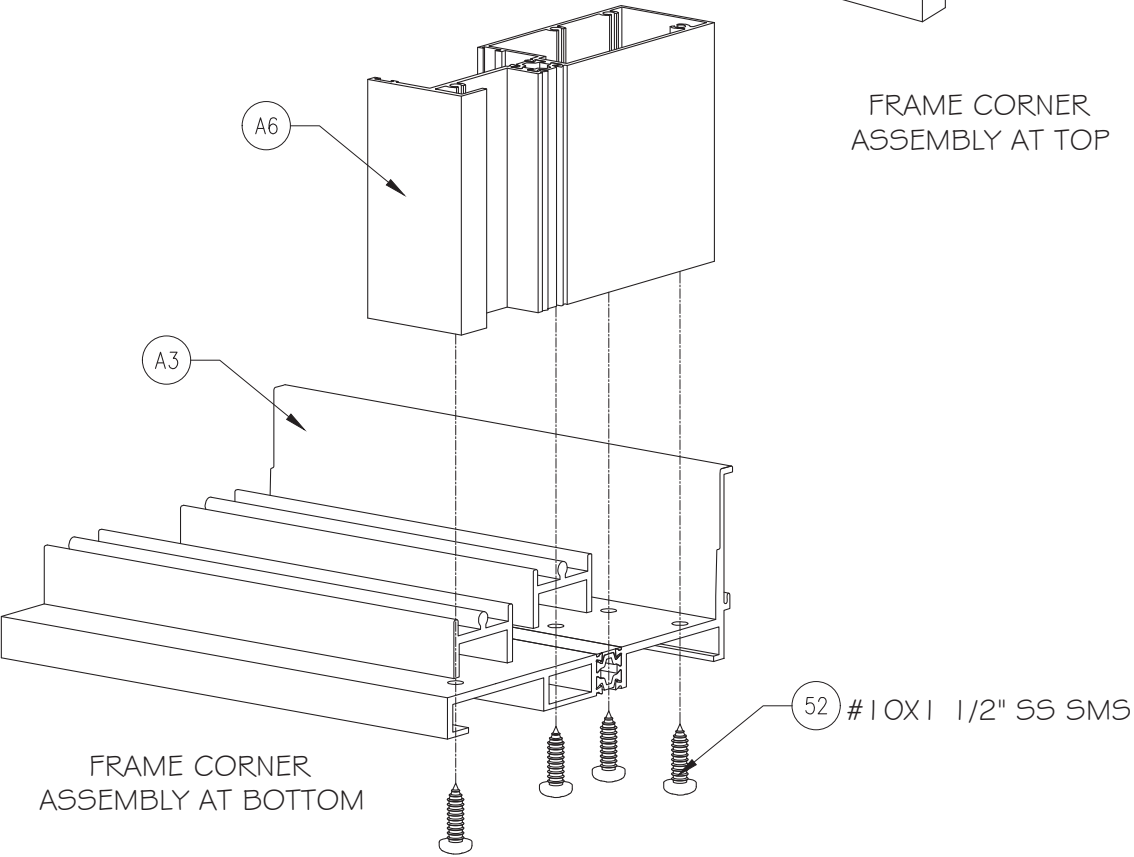
TWO ROLLERS INTERLOCK ASSA ABLOY PRO5 ARE INSTALLED AT 5-1/2" (140.1 MM) FROM THE MEETING RAIL, AND AT 6-1/16(154.0 MM) FROM THE IAMB.
ONE LOCKING POINT: INTERLOCK 191014-2PT MORTICE LOCK IS INSTALLED AT 39"(990.6MM) FROM THE BOTTOM OF THE SASH. ITS STRIKE INTERLOCK PS01-0015-15MM ADJ. STRIKE IS INSTALLED AT THE SAME HEIGHT IN THE FRAME JAMB SECTION.



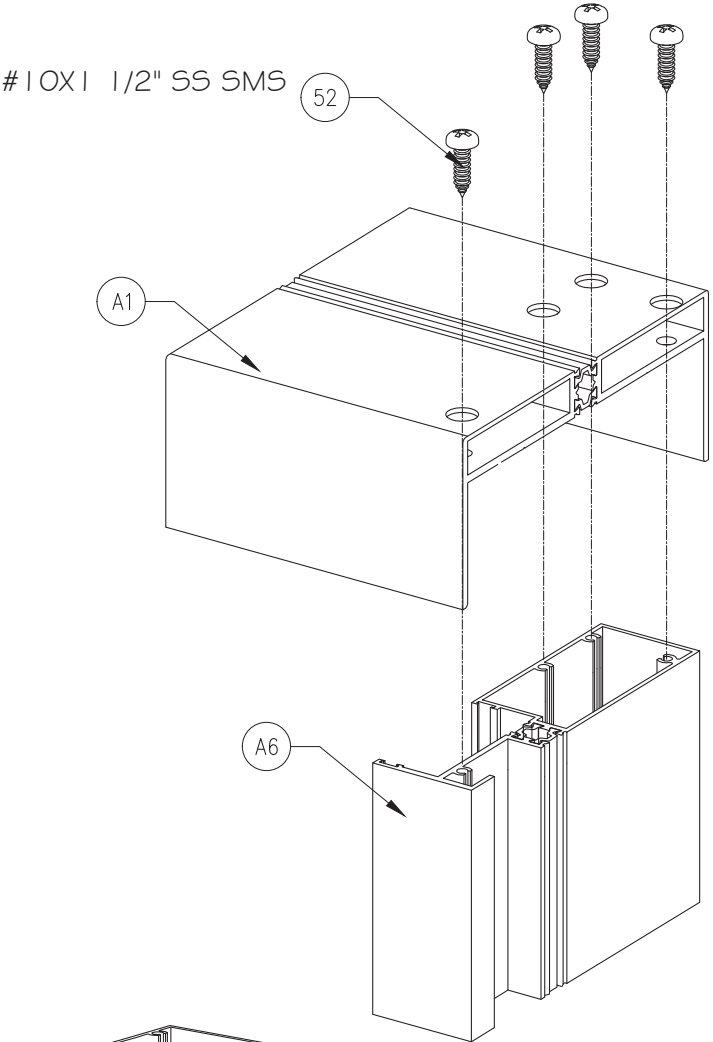
SASH CORNER ASSEMBLY

HARDWARE FOR FOUR PANELS SLIDING DOOR

TWO ROLLERS INTERLOCK ASSA ABLOY PRO5 ARE INSTALLED ON EACH SASH: AT 5-1/2" (140.1 MM) FROM THE MEETING RAIL, AND AT 6-3/16" (160.5 MM) FROM THE JAMB FOR THE PRIMARY SASH, AT 5-1/2" (140.1 MM)FROM THE MEETING RAIL, AND AT 6-5/16" (160.5 MM) FROM THE JAMB FOR PRIMARY SASH.
ONE LOCKING POINT: INTERLOCK 191014-2PT MORTICE LOCK IS INSTALLED AT 39" (990.6MM) FROM THE BOTTOM OF THE PRIMARY SASH. ITS STRIKE INTERLOCK PS01-0015-15MM ADJ. STRIKE IS INSTALLED AT THE SAME HEIGHT IN THE SECONDARY SASH JAMB SECTION.



FRAME CORNER ASSEMBLY AT BOTTOM



FRAME CORNER ASSEMBLY AT TOP

FL42345.1

MCY ENGINEERING, INC.

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SERIES HR7 SLIDING GLASS DOOR - (L.M.I.)

CUHADAROGLU METAL SAN.PAZ.A.S

YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLIKDUZU

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Rev. No.	Date	Drawn By	Description
R1	09.20.2026	James	FBC 2026
R0	08.17.2023	James	NEW APPLICATION

Drawn Date

09.20.2026

Scale

DRAWING NO.

AD23-15

PART

Sheet No.

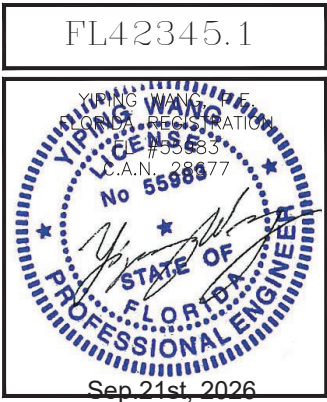
12 OF 14

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	18-5225 (SD36-01)	HEAD	ALUM. 6063-T6	-
2	18-5226 (SD36-02)	COVER	ALUM. 6063-T6	-
3	18-5227 (SD36-03)	PANEL	ALUM. 6063-T6	-
4	18-5228 (SD36-04)	FIXED PANEL BLOCK	ALUM. 6063-T6	-
5	18-5229 (SD36-05)	ALUM. BAR	ALUM. 6063-T5	-
6	18-5230 (SD36-06)	SILL	ALUM. 6063-T6	-
7	18-5477 (SD36-07)	GLAZING ADAPTOR FOR LAMINATED GLASS	ALUM. 6063-T6	-
8	18-5231 (SD36-08)	SILL	ALUM. 6063-T6	-
9	NOT USED			
10	18-5233 (SD36-10)	HEAD	ALUM. 6063-T6	-
11	18-5234 (SD36-11)	HEAD	ALUM. 6063-T6	-
12	18-5235 (SD36-12)	HEAD	ALUM. 6061-T66	-
13	18-5236 (SD36-13)	SILL RISER	ALUM. 6063-T6	-
14	18-5237 (SD36-14)	SILL	ALUM. 6063-T6	-
15	18-5238 (SD36-15)	FIXED PANEL RETAINING CLIP	ALUM. 6063-T6	-
15A	18-5239 (SD36-15a)	RETAINING CLIP COVER	ALUM. 6063-T6	-
16	18-5240 (SD36-16)	JAMB	ALUM. 6063-T6	-
17	NOT USED			
18	18-5242 (SD36-18)	PANEL	ALUM. 6063-T6	-
19	18-5243 (SD36-19)	COVER	ALUM. 6061-T66	-
20	18-5244 (SD36-20)	PANEL	ALUM. 6063-T6	-
21	18-5245 (SD36-21)	PANEL	ALUM. 6063-T6	-
22	18-5246 (SD36-22)	PANEL	ALUM. 6063-T6	-
23	18-5247 (SD36-23)	PANEL	ALUM. 6063-T6	-
24	18-5248 (SD36-24)	PANEL	ALUM. 6063-T6	-
25	18-5249 (SD36-25)	PANEL	ALUM. 6063-T6	-
26	-	THERMAL BROKEN BAR	-	TECHNOFORM BEAUTEC / 953241
27	-	WEATHER STRIPPING	-	ULTRAFAB
28	-	1/16" THK. ALUM. PANEL	ALUM. PANEL	
29	-	GLAZING GASKET/SPACER	EPDM 70 DURO SHORE A	TREMCO
30	-	GLAZING GASKET FOR INSULATED GLASS	EPDM 70 DURO SHORE A	TREMCO
31	-	GLAZING GASKET/SPACER	EPDM 70 DURO SHORE A	TREMCO
32	-	12# PPH SMS.	STAINLESS STEEL	-
33	-	GLAZING GASKET FOR LAMINATED GLASS	EPDM 70 DURO SHORE A	TREMCO
34	-	STRUCTURAL SEALANT SPECTREM 2(TREMCO)	SILICONE	DOW CORNING / TREMCO
36	-	HALF FOAM	-	-
37	-	DC790 SILICONE & BACKER ROD / SPECTREM 1 (TREMCO)	SILICONE	DOW CORNING / TREMCO

YIPING WANG
Professional Engineer
Registration
No. 55983
E.A.N. 28677
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Sep 21st, 2026

[illegible]

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
38	-	WASHER	-	TREMCO
39	-	SELF ADHESIVE PILE PADS 4" x 1 1/2" x 1/2" (ULTRAFAB DUST PLUGS)	-	ULTRAFAB
40	-	SELF ADHESIVE PILE PADS 4" x 1 3/4" x 1/2" (ULTRAFAB DUST PLUGS)	-	ULTRAFAB
41	-	SELF ADHESIVE PILE PADS 4" x 1/2" x 1/2" (ULTRAFAB DUST PLUGS)	-	ULTRAFAB
42	-	STOP BLOCK	-	-
43	19-5889 (SD36-43)	PANEL	ALUM. 6063-T6	-
44	19-5890 (SD36-44)	PANEL	ALUM. 6063-T6	-
45	19-5891 (SD36-45)	PANEL	ALUM. 6063-T6	-
46	SD36-46	SILL	ALUM. 6063-T6	-
47	SD36-47	FIXED PANEL RETAINING CLIP	ALUM. 6063-T6	-
48	SD36-48	RETAINING CLIP COVER	ALUM. 6063-T6	-
49	PR05	ROLLER	-	INTERLOCK ASSA ABLOY
50	191014-2PT	MORTICE LOCK	-	INTERLOCK ASSA ABLOY
51	PS01-0015-15	STRIKE	-	INTERLOCK ASSA ABLOY
52	-	#10X1 1/2" PH SELF-TAPPING SCREW, FRAME ASSEMBLY	STAINLESS STEEL	-
A1	SD36-A1	HEAD	-	-
A2	SD36-A2	PANEL	-	-
A3	SD36-A3	SILL	-	-
A4	SD36-A4	JAMB	-	-
A5	SD36-A5	HEAD	-	-
A6	SD36-A6	JAMB	-	-
A7	SD36-A7	PANEL	-	-
A8	SD36-A8	PANEL	-	-
A8A	SD36-A8A	PANEL	-	-
A9A	SD36-A9A	PANEL	-	-
A10A	SD36-A10A	PANEL	-	-



M C Y MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY #301 MIRAMAR, FL. 33027 P: 305.588.5224 www.MCYEngineering.com MCY@mcyengineering.com									
SERIES HR7 SLIDING GLASS DOOR - (L.M.I) CUHADAROGLU METAL SAN.PAZA.S YAKUPLU MAH. HURRIYET BULVARI NO:6-8 BEYLKUDUZU ISTANBUL, TURKIYE 34524 TEL. +90 212 224 2020 FAX. +90 212 224 2040									