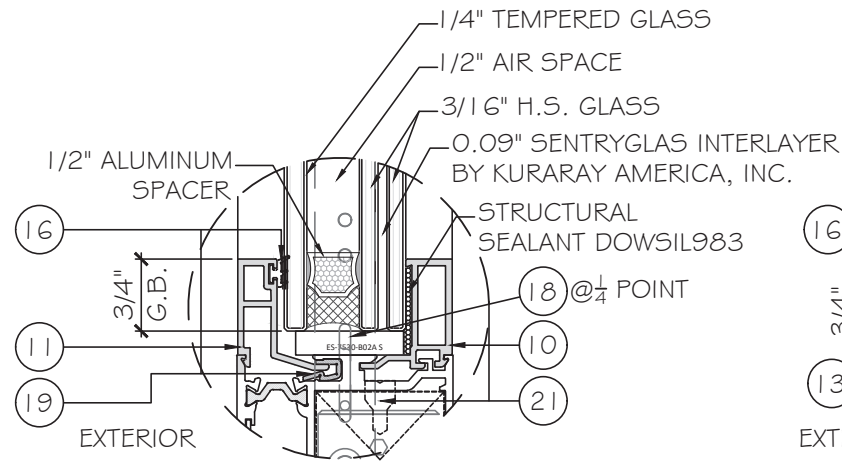
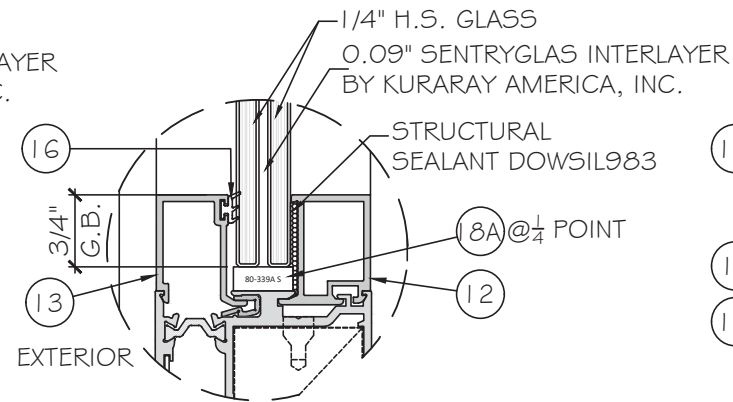
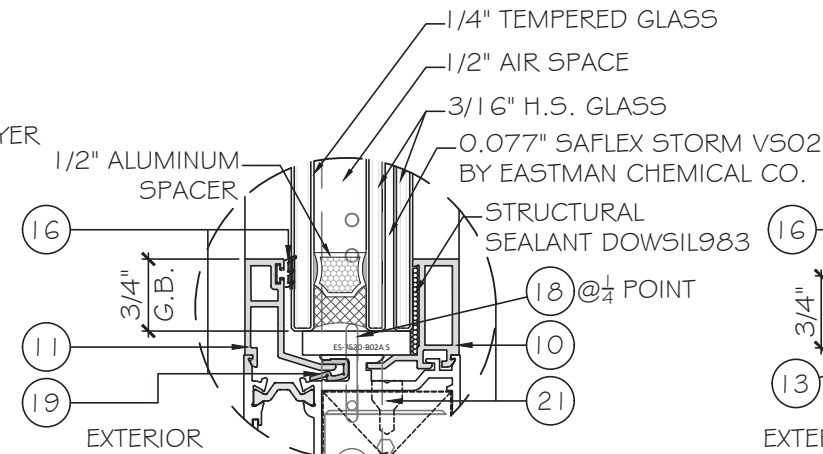




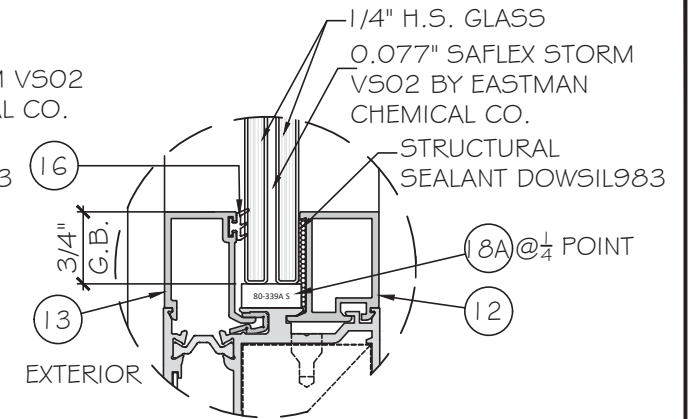
G1 GLASS TYPE 'G1'
1 3/16" NOMINAL OVERALL



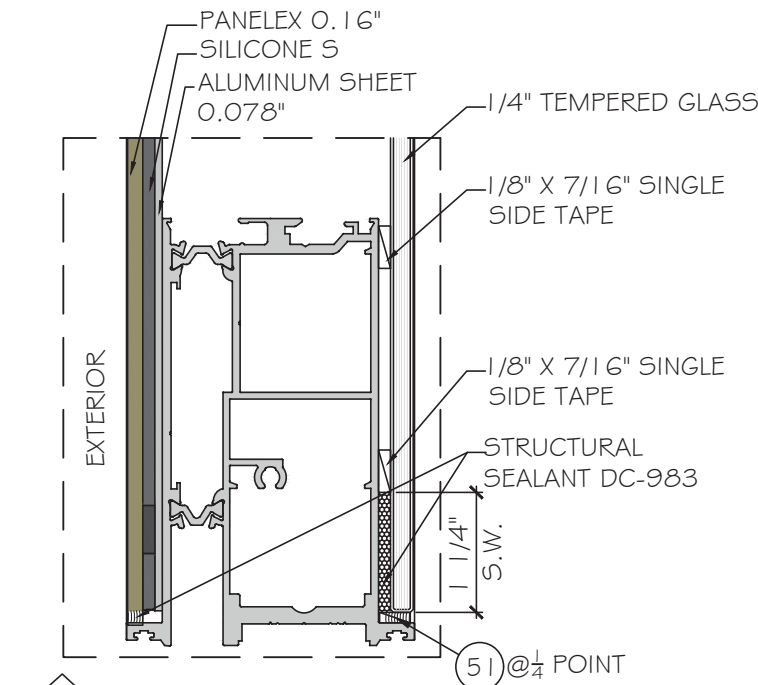
G2 GLASS TYPE 'G2'
9/16" NOMINAL OVERALL



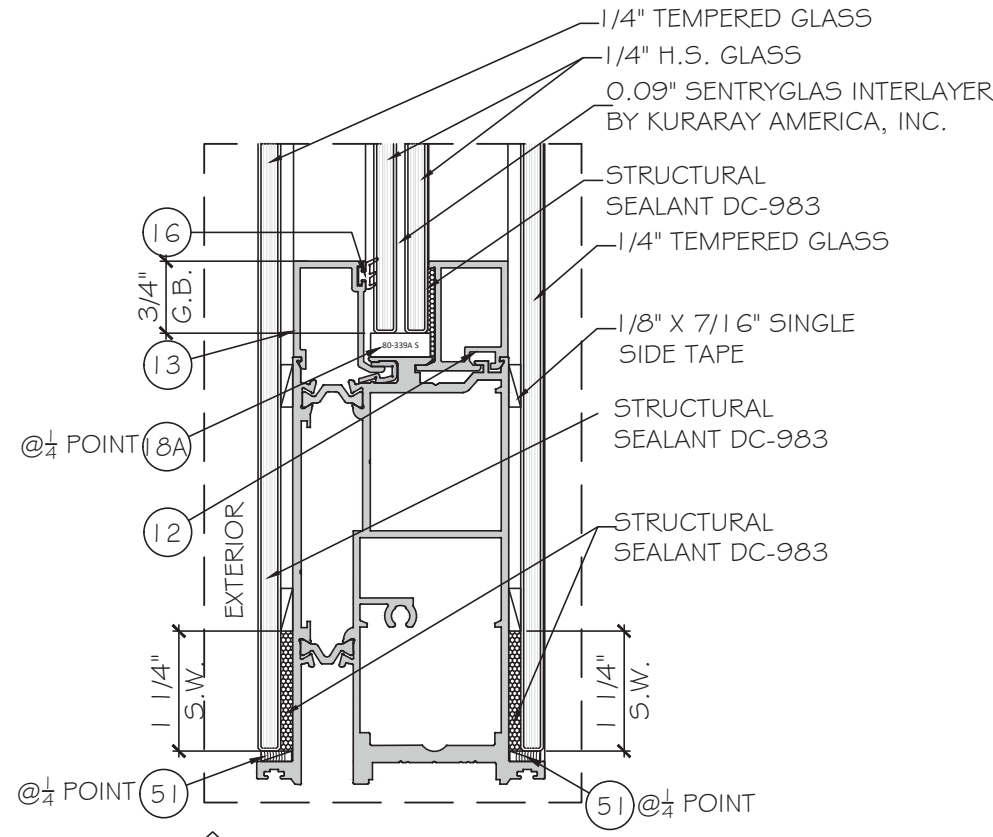
G5 GLASS TYPE 'G5'
1 3/16" NOMINAL OVERALL



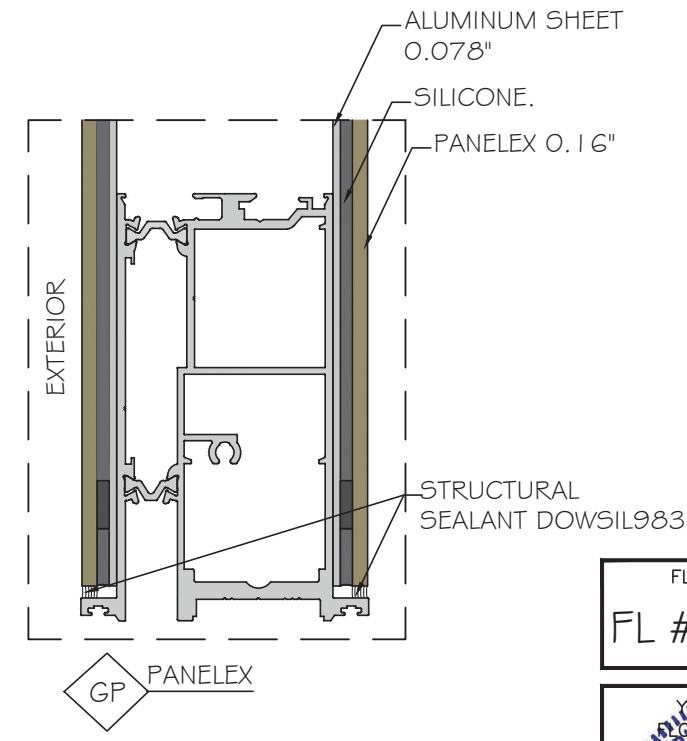
G6 GLASS TYPE 'G6'
9/16" NOMINAL OVERALL



G3 PANEL TYPE 'G3'



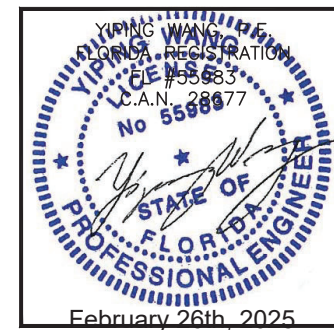
G4 GLASS TYPE 'G4'



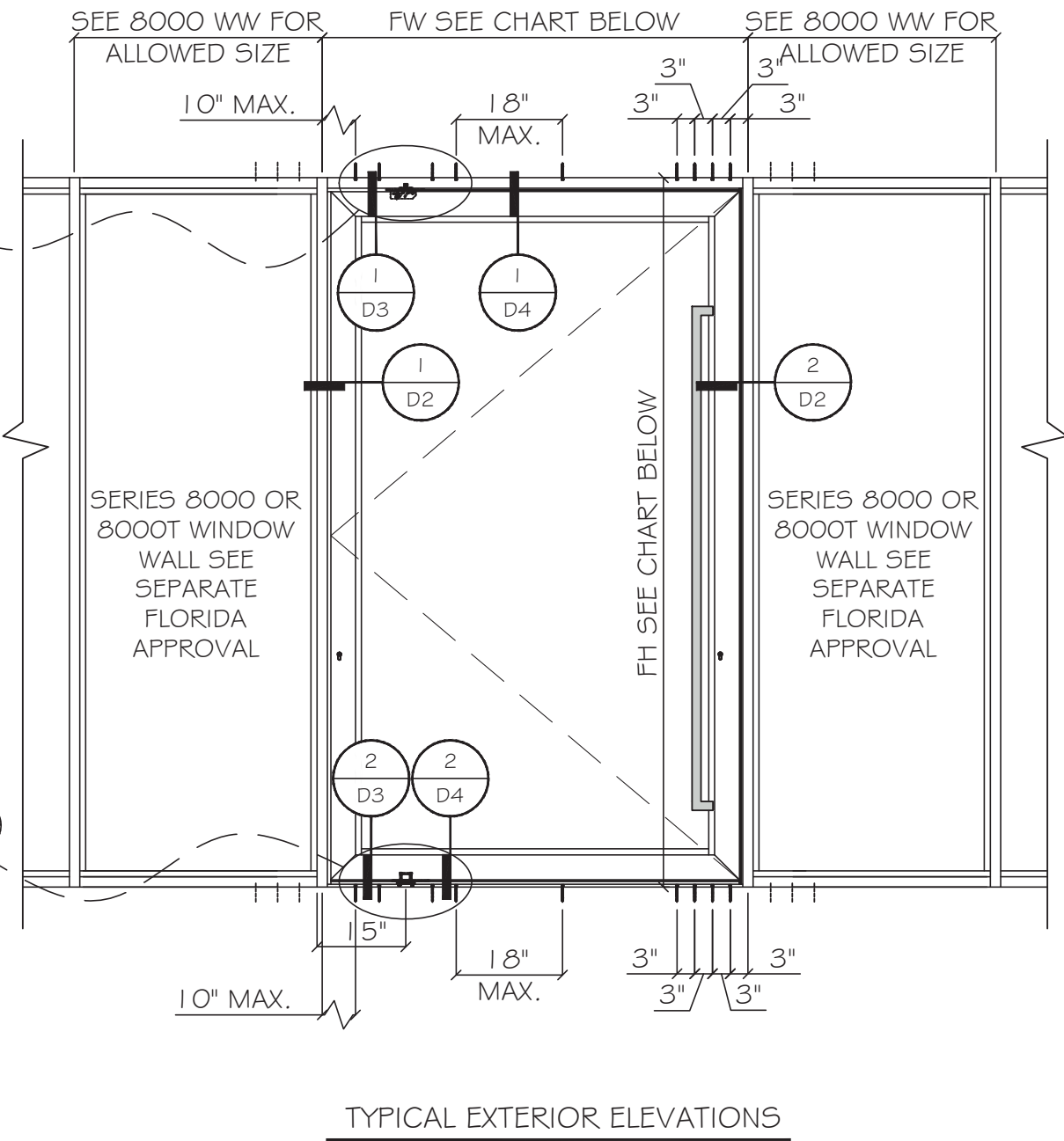
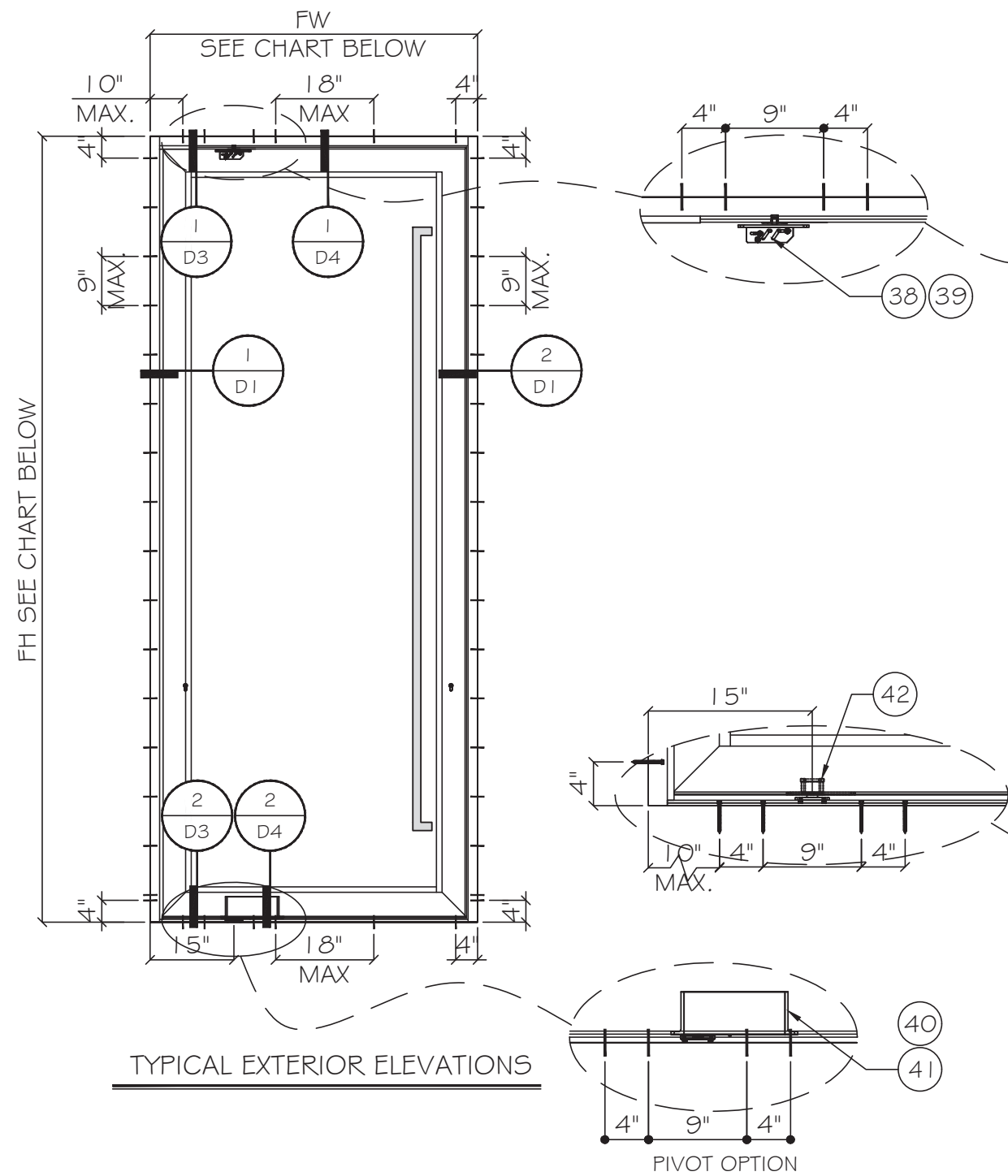
GP PANELTYPE

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

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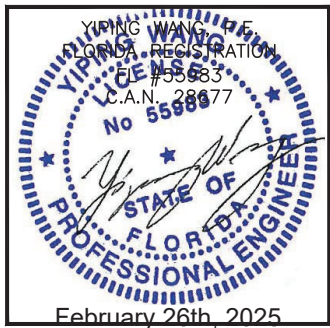
Rev. No.	Date	Drawn By	Description
R5	02.26.2025	James	REVISION
DRAWING NO. AD22-07			
G1			
Sheet No. 2 OF 12			



ALLOWABLE DESIGN LOADS				
DIMENSIONS (INCH)		GLASS TYPE	Pd(PSF)	HARDWARE
FW (MAX.)	FH (MAX.)			
60"	144"	G1 OR G2 OR G3 OR G4 OR GP	±95	OPTION 1
72"	120"		±95	OPTION 1
90"	96"		±95	OPTION 1
60"	120"	G5 OR G6	±90	OPTION 1
72"	144"	G2 OR GP	±65	OPTION 2

NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.
SEE SHEET 10 & 11 FOR HARDWARE COMPONENTS.

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Drawn By: James

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E1

Sheet No.
3 OF 12

NOTE:METAL STRUCTURES BY OTHERS MUST BE PROPERLY SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURES.

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu= 1 64 KSI, Fy= 1 48 KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED

INTO HOLLOW BLOCK (JAMB ONLY)
WITH 1 1/4" MIN. EMBED

INTO GROUT FILLED BLOCKS (JAMB ONLY)
WITH 1 3/4" MIN. EMBED

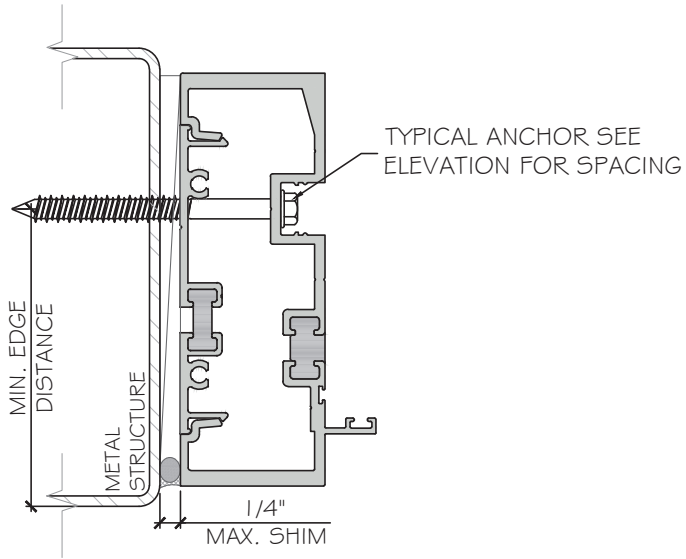
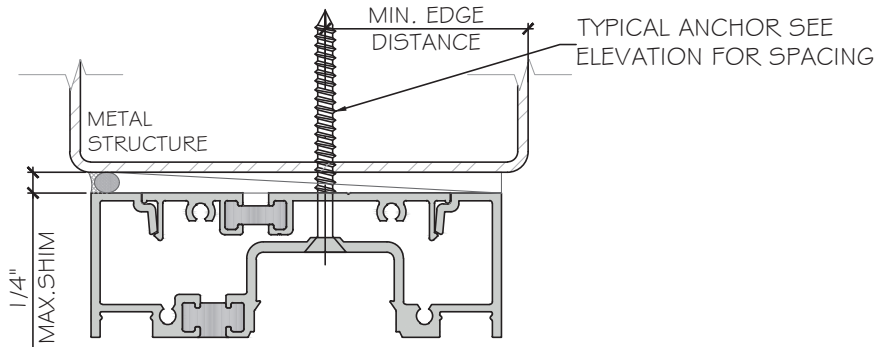
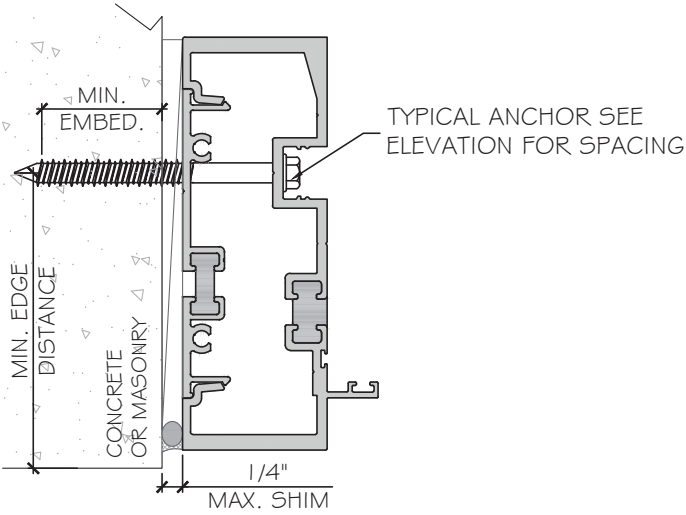
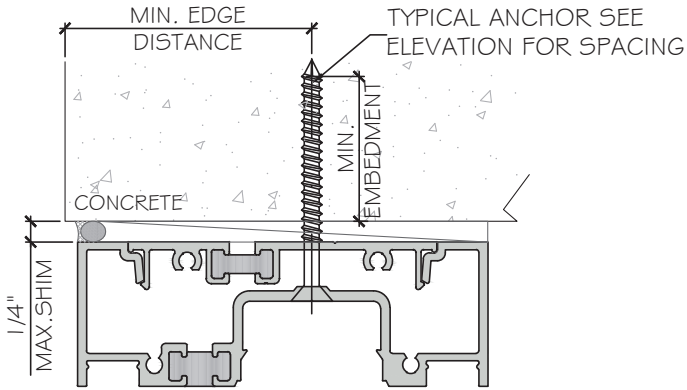
TYPE "B": 1/4" SELF DRILLING SCREW(GRADE 5) (Fu= 1 20 KSI, Fy=90 KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 1/8" MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED)

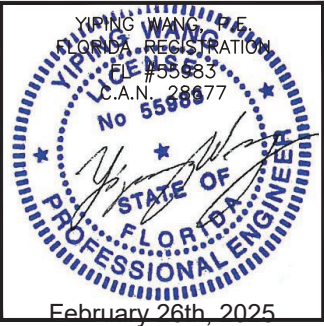
TYPICAL ANCHOR EDGE DISTANCE:
INTO CONCRETE AND MASONRY = 2 1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
CONCRETE f'c = 3000 psi MIN.
C-90 HOLLOW/FILLED BLOCK f'm = 2000 psi MIN.
NORMAL STRENGTH CMU(AT JAMB ONLY)

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 791.
FRAME CORNERS SEALED WITH DOW CORNING 791 OR EQUAL COMPATIBLE



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ES-PSD5030T PIVOT DOOR - L.M.I.
E.S. WINDOWS, INC.
10653 NE QUAYBRIDGE CT.
MIAMI, FL 33138
TEL:(305) 624-7775

Rev. No.	Date	Drawn By	Description
R5	02.26.2025	James	REVISION

Drawn Date
02.26.2025

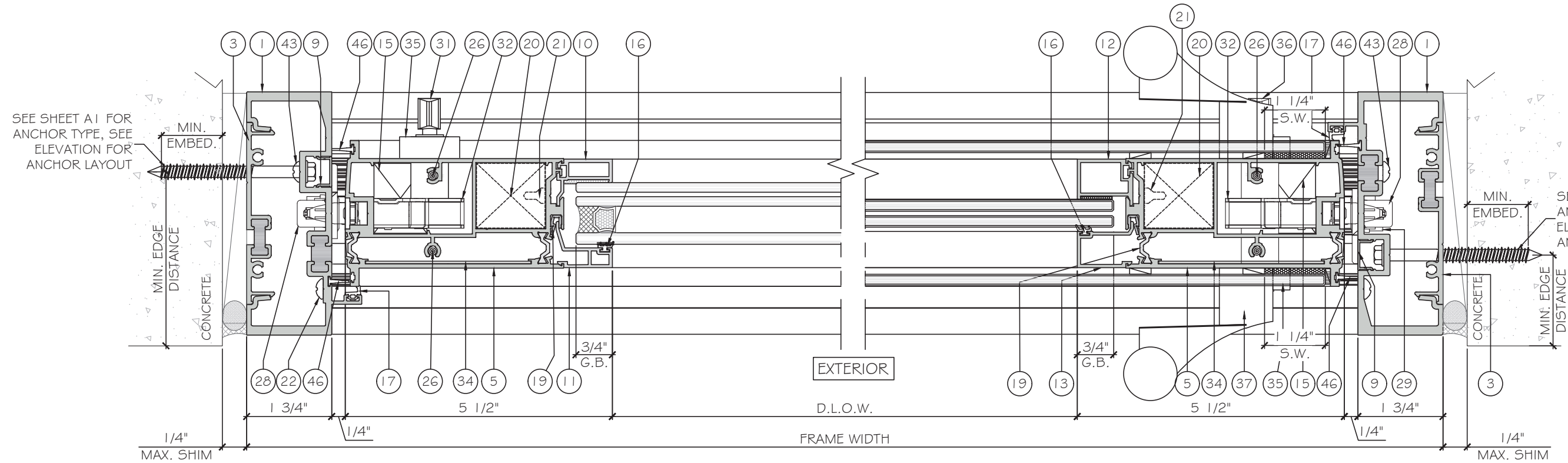
Drawn By
James

DRAWING NO.
AD22-07

A1

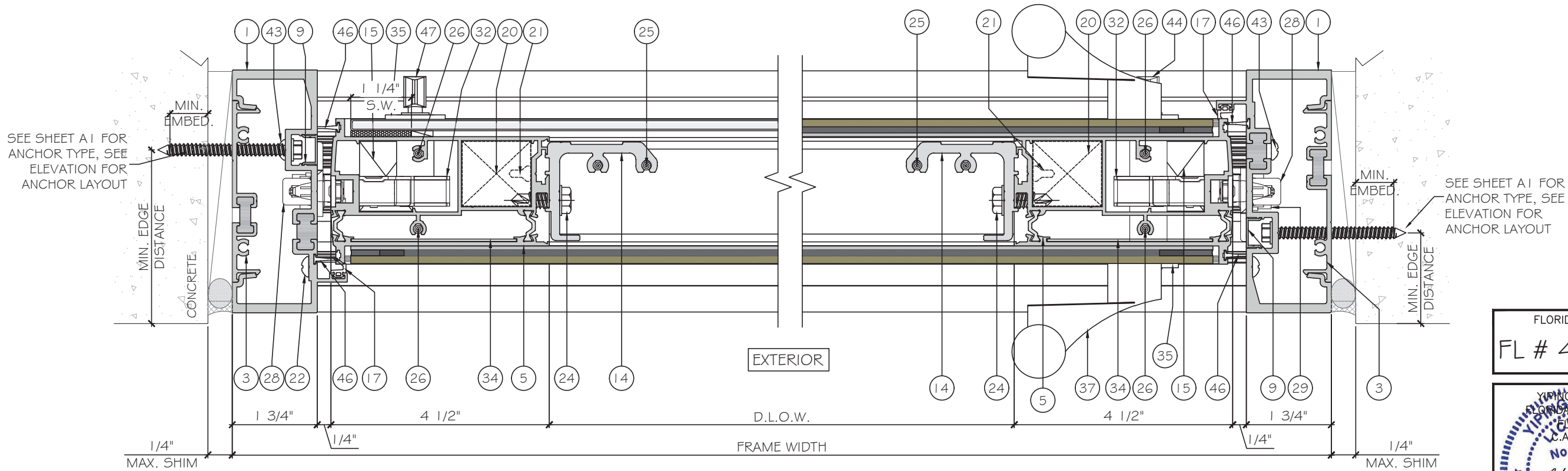
Sheet No.
4 OF 12

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIAMI, FL 33027 P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com



1
D1
DETAIL

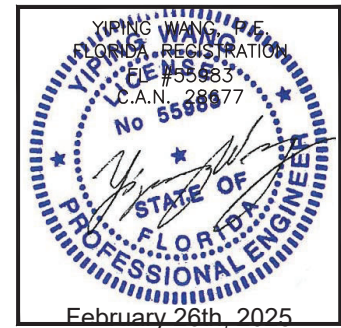
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DETAIL



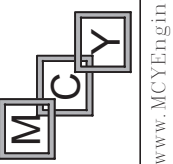
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D1
DETAIL
OPTION

2
D1
DETAIL
OPTION

FLORIDA APPROVAL:
FL # 41358.1



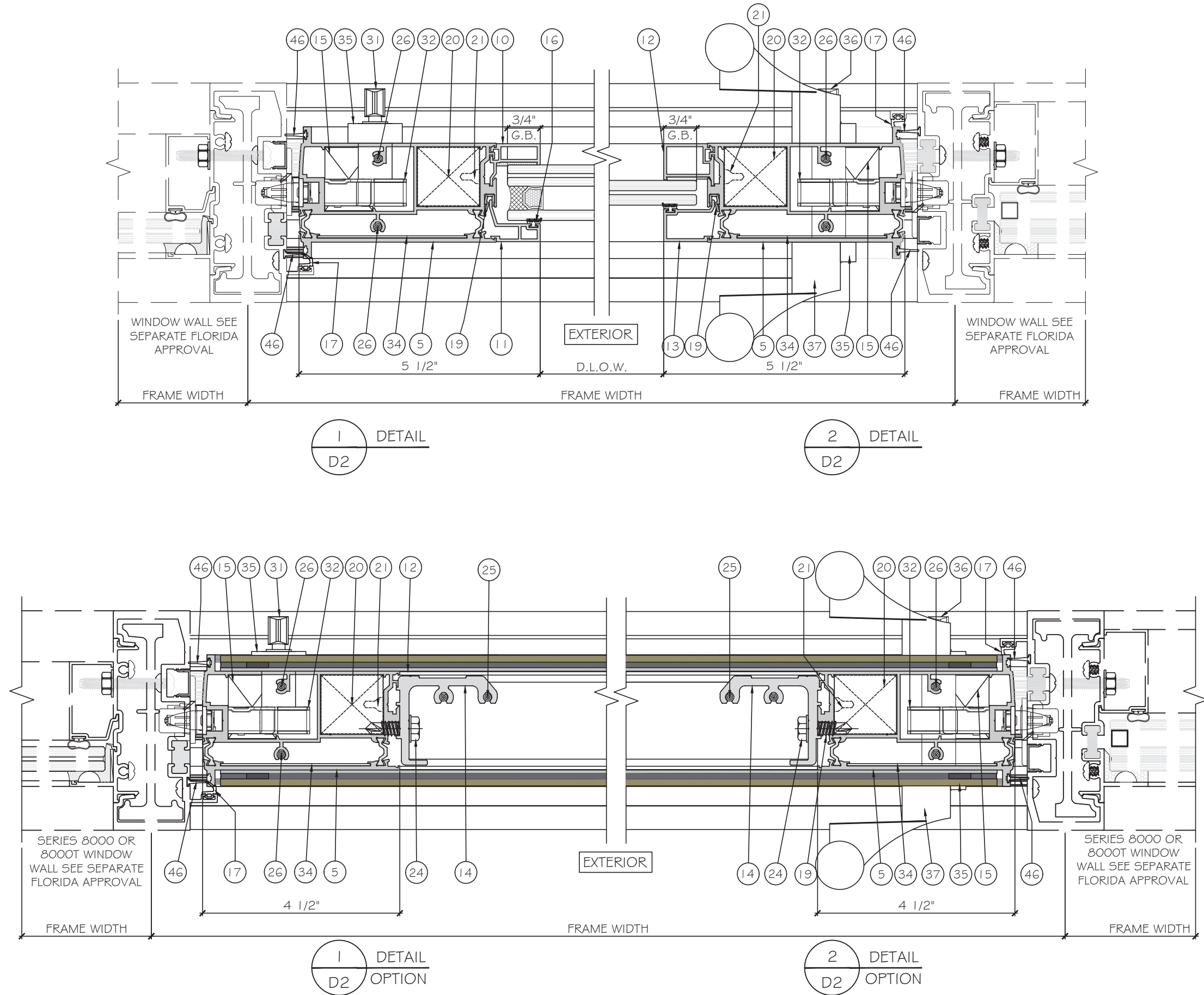
MCY ENGINEERING, INC.
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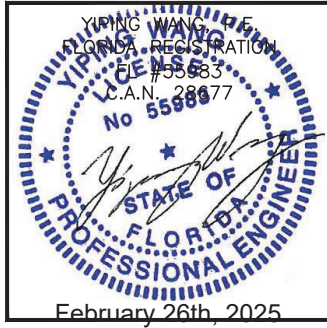
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R5	02.26.2025	James	REVISION
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Drawn By James			
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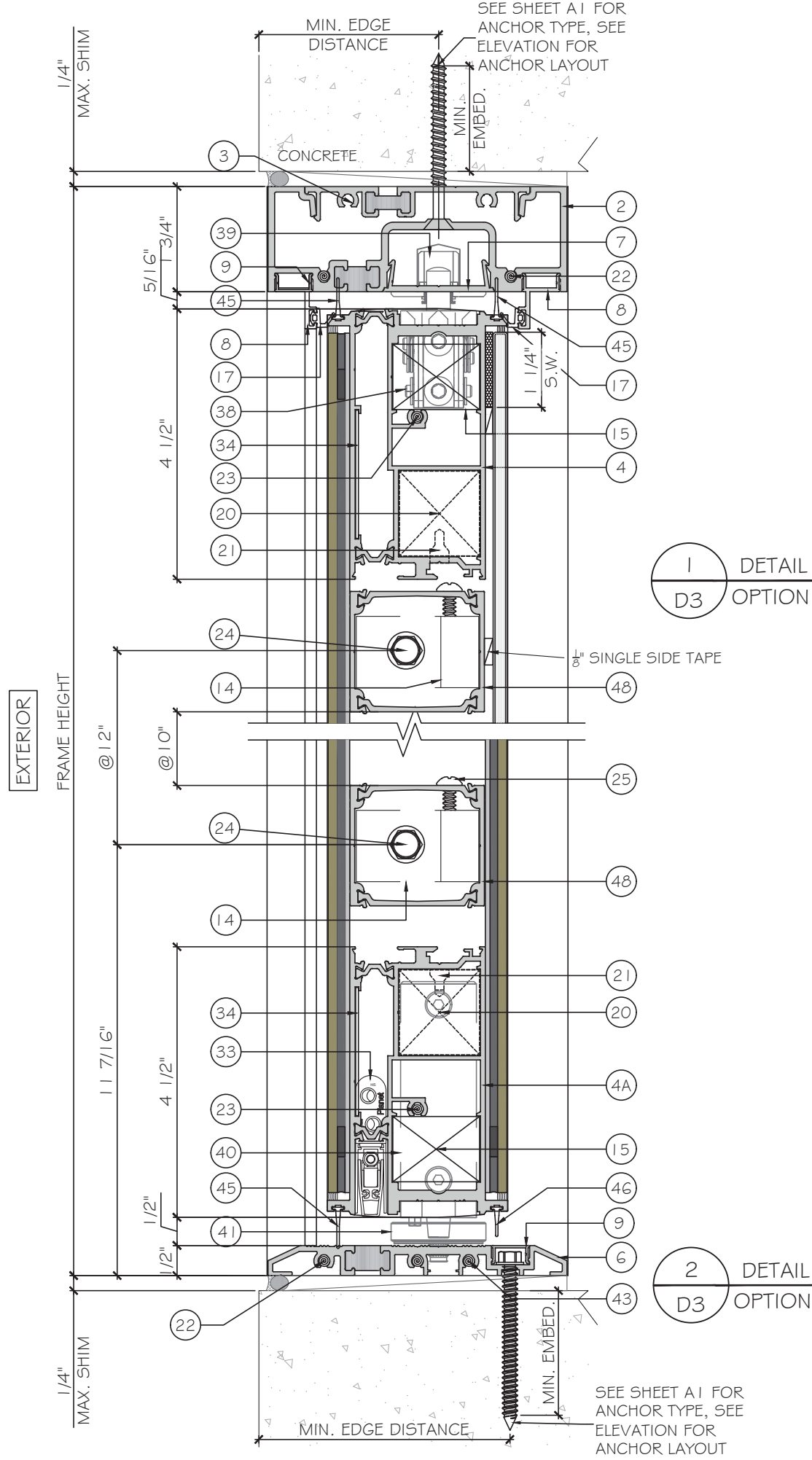
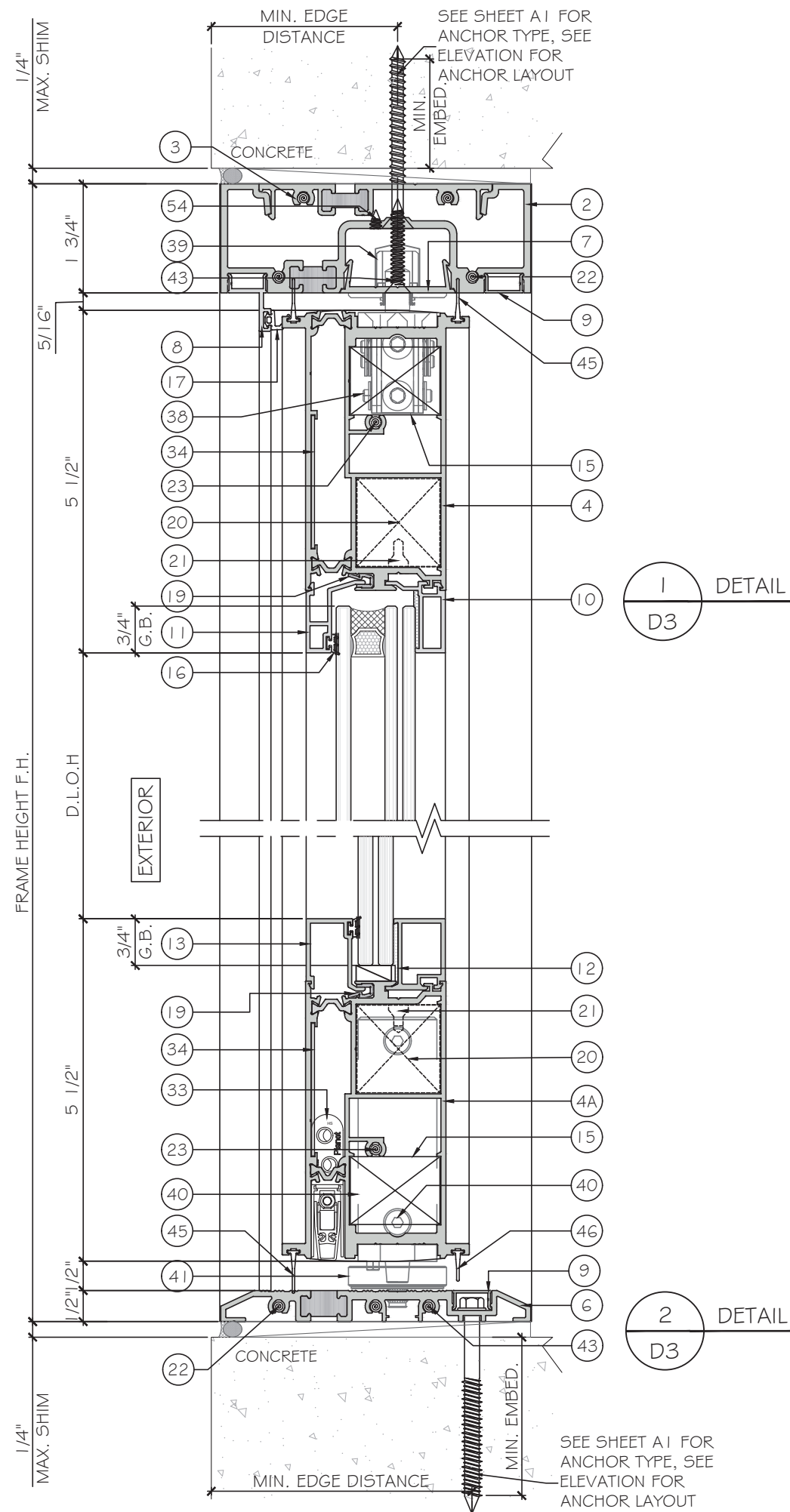
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Drawn Date
02.26.2025

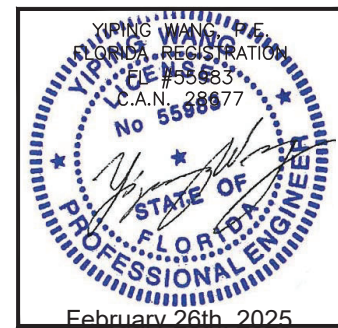
Drawn By
James

DRAWING NO.
AD22-07

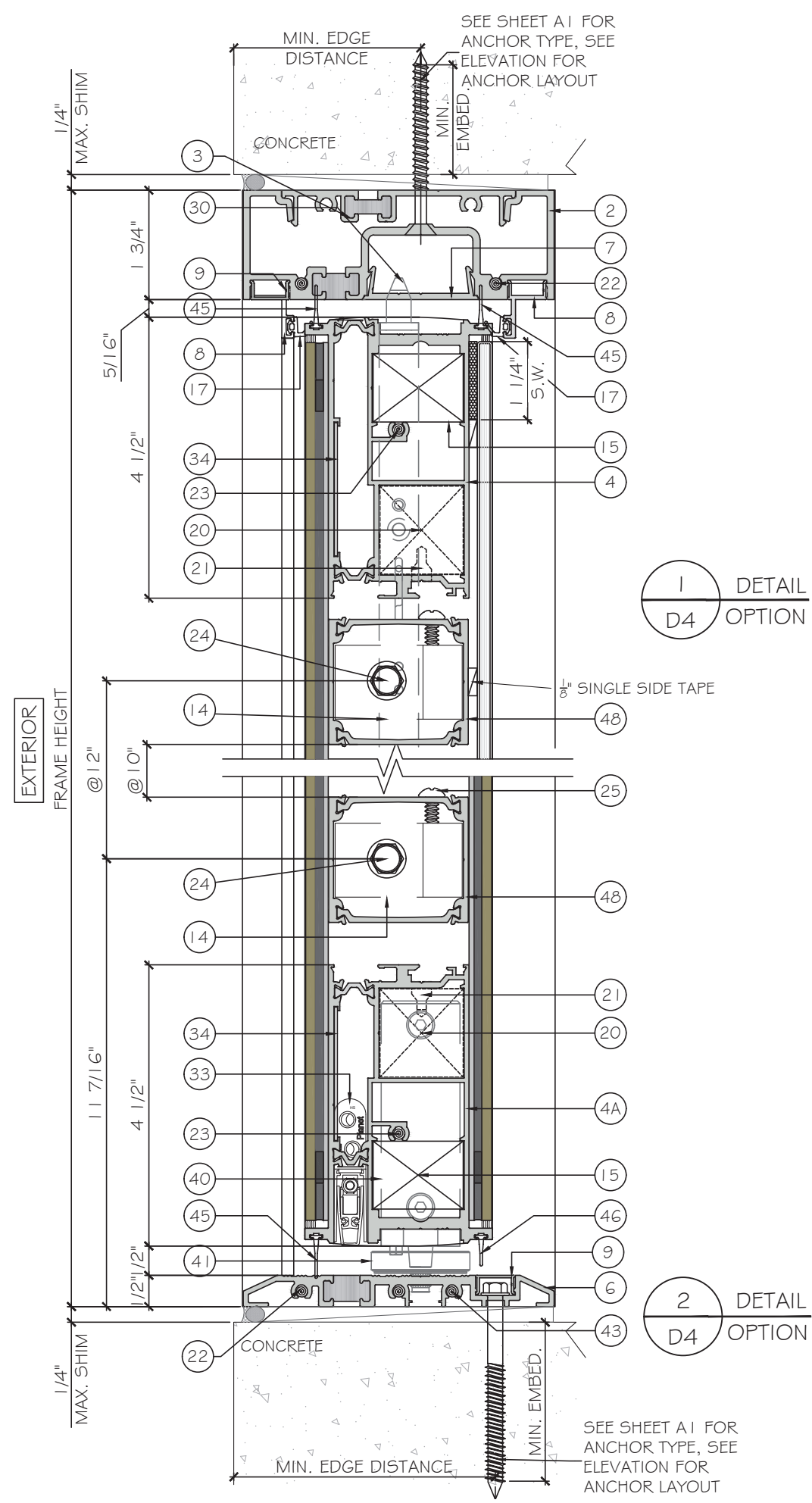
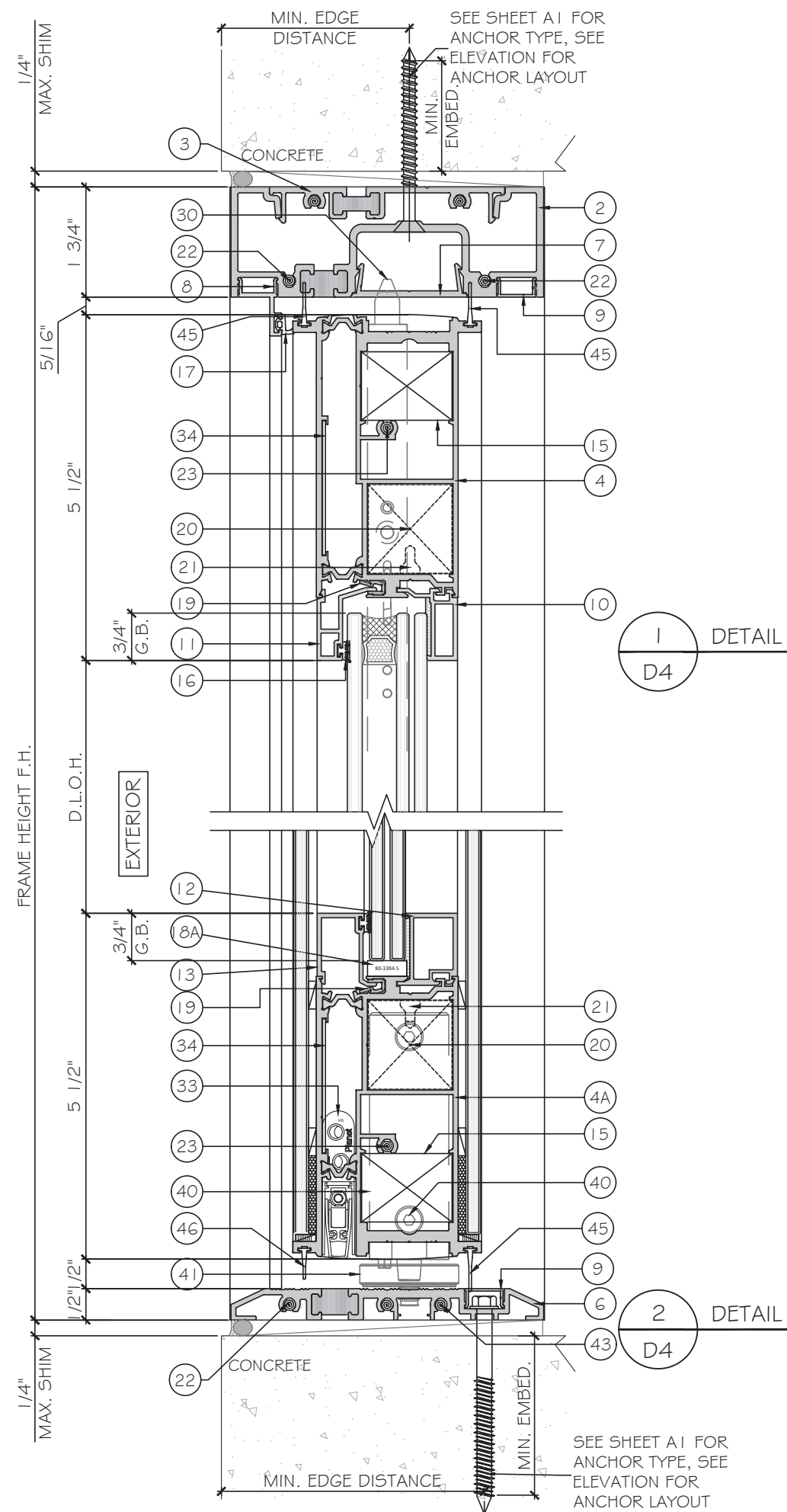
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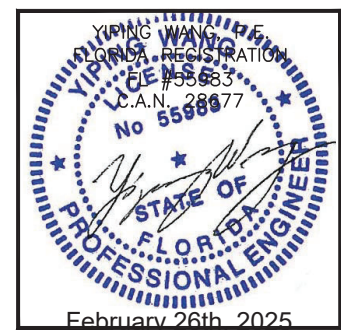
FLORIDA APPROVAL:
FL # 41358.1



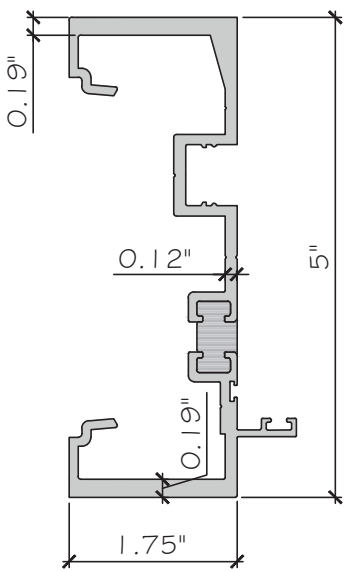
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Drawn Date	02.26.2025	Drawn By	James



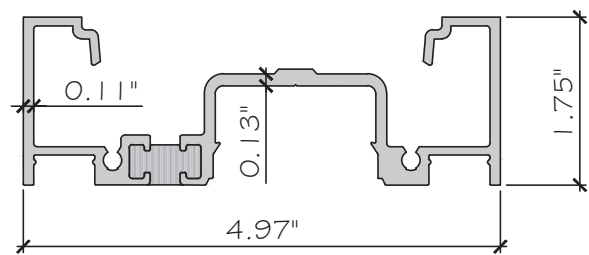
FLORIDA APPROVAL:
FL # 41358.1



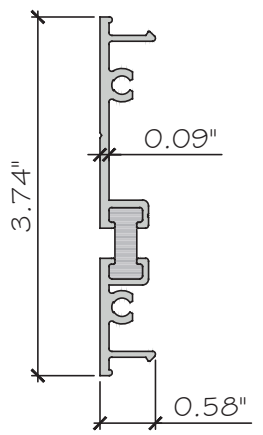
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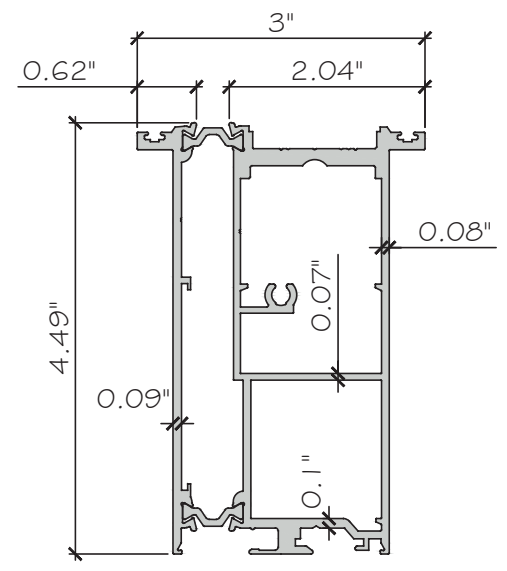
① FRAME JAMB
ES-PSD5030T-001T
ALUM.6005-T5



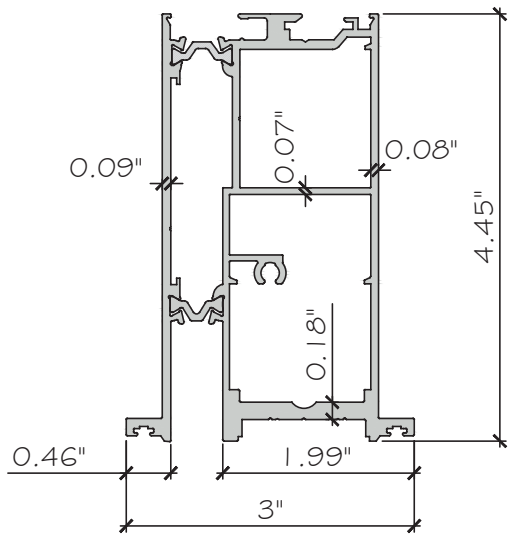
② FRAME HEAD
ES-PSD5030T-002T
ALUM.6005-T5



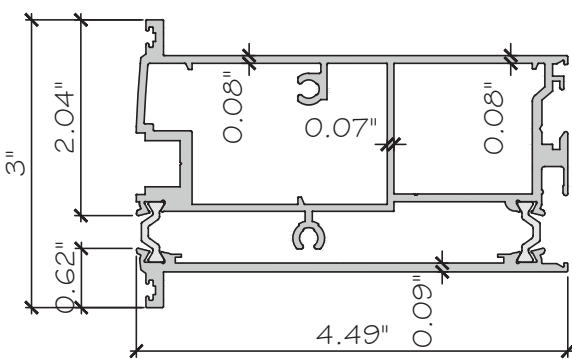
③ SHEAR CLIP
ES-8000T-003T
ALUM.6063-T6



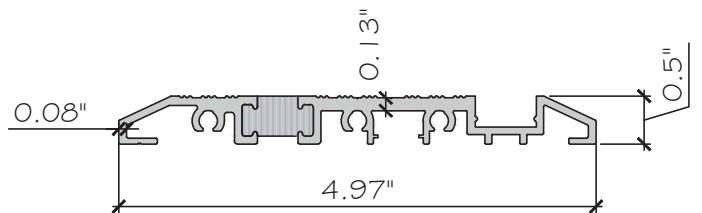
④ LEAF TOP 029 FRONT + 008 BACK
ES-PSD5030T-502
ALUM.6063-T6



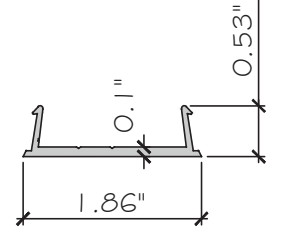
④A LEAF BOTTOM 009 FRONT + 010 BACK
ES-PSD5030T-503
ALUM.6063-T6



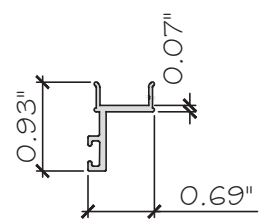
⑤ LEAF STILE 006 FRONT + 007 BACK
ES-PSD5030T-501
ALUM.6063-T6



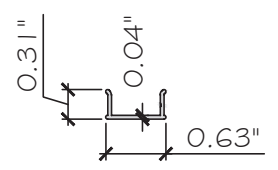
⑥ THRESHOLD
ES-PSD5030T-005T
ALUM.6063-T6



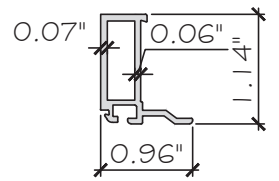
⑦ HEAD COVER
ES-PSD5030T-003
ALUM.6063-T5



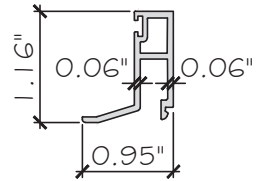
⑧ DOOR STOP
ES-PSD5030T-004
ALUM.6063-T5



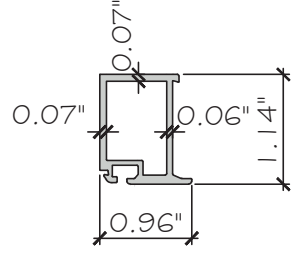
⑨ JAMB SCREW COVER
ES-EL114
ALUM.6063-T6



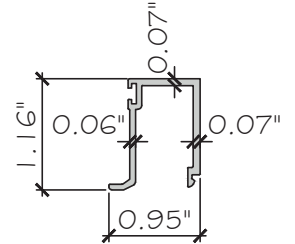
⑩ INTERIOR GLASS STOP
ES-PSD5030T-012
ALUM.6063-T5



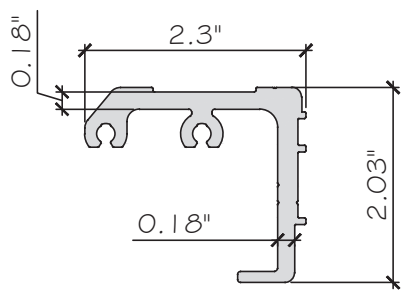
⑪ EXTERIOR GLASS STOP
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ALUM.6063-T5



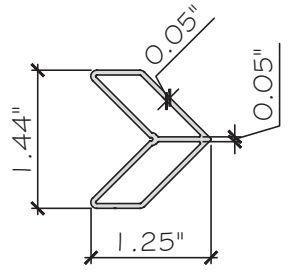
⑫ INTERIOR GLASS STOP
ES-PSD5030T-016
ALUM.6063-T5



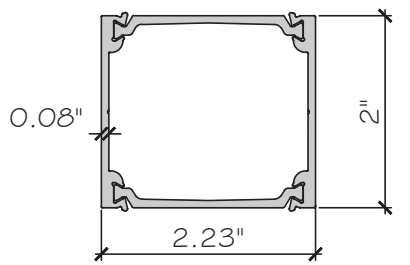
⑬ EXTERIOR GLASS STOP
ES-PSD5030T-015
ALUM.6063-T5



⑭ SHEAR BLOCK
ES-PSD5030T-017
ALUM.6063-T5

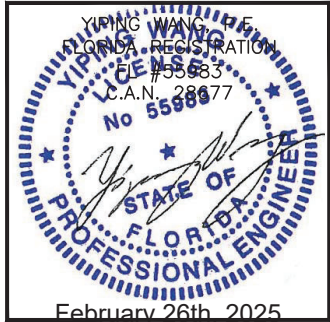


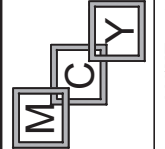
⑮ CORNER KEY
ES-45T-011
ALUM.6063-T5



⑭B INTERMEDIATE PANELS
020 FRONT + 020 BACK
ES-PSD5030T-504
ALUM.6063-T6

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ES-PSD5030T PIVOT DOOR - L.M.I.

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TEL: (305) 624-7775

Rev. No.	Date	Drawn By	Description
R5	02.26.2025	James	REVISION

Drawing No.

AD22-07

PART

Sheet No.

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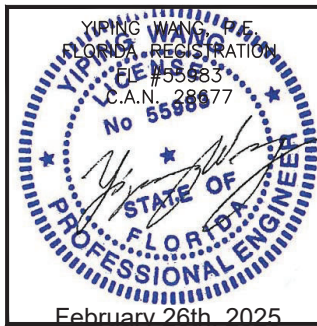
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	NOTE
1	ES-PSD5030T-001T	FRAME JAMB	ALUM.6005-T5	--
2	ES-PSD5030T-002T	FRAME HEAD	ALUM.6005-T5	--
3	ES-8000T-003T	SHEAR CLIP	ALUM.6063-T6	--
4	ES-PSD5030T-502	LEAF TOP 029 FRONT + 008 BACK	ALUM.6063-T6	--
4A	ES-PSD5030T-503	LEAF BOTTOM 009 FRONT + 010 BACK	ALUM.6063-T6	--
5	ES-PSD5030T-501	LEAF STILE 006 FRONT + 007 BACK	ALUM.6063-T6	--
6	ES-PSD5030T-005T	THRESHOLD	ALUM.6063-T6	--
7	ES-PSD5030T-003	HEAD COVER	ALUM.6063-T5	--
8	ES-PSD5030T-004	DOOR STOP	ALUM.6063-T5	--
9	ES-EL114	JAMB SCREW COVER	ALUM.6063-T6	--
10	ES-PSD5030T-012	INTERIOR GLASS STOP	ALUM.6063-T5	--
11	ES-PSD5030T-011	EXTERIOR GLASS STOP	ALUM.6063-T5	--
12	ES-PSD5030T-016	INTERIOR GLASS STOP	ALUM.6063-T5	--
13	ES-PSD5030T-015	EXTERIOR GLASS STOP	ALUM.6063-T5	--
14	ES-PSD5030T-017	SHEAR BLOCK	ALUM.6063-T5	--
15	ES-45T-011	CORNER KEY	ALUM.6063-T5	--
16	EMP-768 ES-EL100-G02A	GLAZING GASKET	SILICONE	--
17	EMP-501 ES-EL300-G01E	SEAL GASKET	EPDM	--
18	EMP-471 ES-7530-B02AS	INSULATED LAMINATED SETTING BLOCK, 80±5SHORE A	SILICONE	--
18A	EMP-682 80-339AS	LAMINATED SETTING BLOCK, 80±5SHORE A	SILICONE	--
19	ES-UN8030-301	ISOLATOR	RIGID PVC	--
20	5039/50 CORNER JOINT	ESCUADRA DE ENSAMBLE	ALUMINUM	--
21	VILM5X14_D8	CORNER SCREW (5039/50)	STAINLESS STEEL	--
22	TOR #12 X 1" PAN NATURAL INOX	FRAME ASSEMBLY SCREW	STAINLESS STEEL	--
23	TOR #12 X 2" PHIL FLAT TYPE A 18-8SS	LEAF ASSEMBLY SCREW	STAINLESS STEEL	--
24	TOR #14 x 3/4" HWH TYPE AB	SCREW FOR SHEAR BLOCK	STAINLESS STEEL	--
25	TOR #12 X 3/4" PH	SCREW FOR SHEAR BLOCK INTERMEDIATE (PANELEX)	STAINLESS STEEL	--
26	#12 X 2 1/2" F.H.	SCREW FOR LEAF ASSEMBLY TOP/ BOTTOM	STAINLESS STEEL	--
27	#14 X 3 1/4" HWH (390) ELCO	SCREW FOR INSTALLATION JAMB/SILL	STAINLESS STEEL	--
28	3479715 - LSB 8050-752 - LEFT	STRIKER	STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 1.
29	3478750 - FSB 3630-03-24Q/41 KEEPER	STRIKER	STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 1 & 2.
30	3145903 - 7029 SHOOTBOLT	SHOOTBOLT BOTTOM	STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 1.
31	DLO1-6259-* CYLINDER 40/10 TURN BR	CYLINDER 40/10	BRASS	
32	3492553 - A52600 MULTIPONT LOCK	LOCK	STAINLESS STEEL	
33	PLANET HS DROP SEAL	DROP SEAL	STAINLESS STEEL	
34	ESC-004 ES-PSD5030T-E01	ESC-004 ES-PSD5030T-E01	-	COMPONENTS OF HARDWARE OPTION 1 & 2.
35	PSO1-6208-* ROSE COVER	COVER CYLINDER	STAINLESS STEEL	
36	DLO1-6253-* CYLINDER 40/40 TURN/KEY	CYLINDER	BRASS	
37	SHPRO316OLPN5601250 DOOR THICK 2 1/4"	PULL-PULL	AISI 316 STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 1.
38	600532*- SYSTEM M32	TOP PIVOT	STAINLESS STEEL	
39		CEILING PLATE	STAINLESS STEEL	
40		SYSTEM M	STAINLESS STEEL	
41		FLOOR PLATE	STAINLESS STEEL	

YOUNG WANG &
FIDELITY REGISTRATION
FILE # 955683
C.A.N. 28677
No 55689
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
February 26th, 2025

[illegible]

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	NOTE
42	600101/B11 - SYSTEM ONE - SS	SYSTEM ONE HINGE SYSTEM KIT	STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 1.
43	TOR #12 x 1 1/2" P.H. S.M.S. ST/ST	FOR ASSEMBLY (ES-8000 FRAME)	STAINLESS STEEL	--
44	DLO1-G200-* CYLIND 45/45 TURN/KEY BR	CYLIND 45/45 FOR PANELEX	BRASS	COMPONENTS OF HARDWARE OPTION 1.
45	ES-PSD5030T-G02 S	BOTTOM AND TOP GASKET	POLYPROPYLENE	--
46	ES-PSD5030T-G01 S	BOTTOM AND STILE GASKET	POLYPROPYLENE	--
47	CILINDRO 45/10 SOLO BOTON 820945109	CYLIND 45/10 FOR PANELEX	BRASS	COMPONENTS OF HARDWARE OPTION 1.
48	ES-PSD5030T-504	INTERMEDIATE PANELS 020 FRONT + 020 BACK	ALUM.6063-T6	--
49	900920 - PIVOT DOOR ACCESORY	PIVOT DOOR ACCESORY	-	--
50	DC-983	STRUCTURAL SEALANT	SILICONE	--
51	-	1/8" THK SETTING BLOCK @ G3, 80±5SHORE A	SILICONE	--
52	ES-PSD5030T-G01M S	EMP-832 SL ES-PSD-5030T GO1M S	SILICONE	--
53	DSO1-5000-PIVOT DOOR ACCESORY 13MM PROFILE	PIVOT DOOR ACCESORY	-	--
54	#10 x 1/2" F.H.	FOR KEEPER JAMB.	STAINLESS STEEL	--
55	#8 X 1" PHIL FLAT TYPE	FOR LOCK	STAINLESS STEEL	--
56	#12-24 X 1/2" FH SCREW.	FOR 60° LEAF.	STAINLESS STEEL	--
57	5700575 BS2600SA TOXF16K55928MLR41B001H1	LOCK	STAINLESS STEEL	COMPONENTS OF HARDWARE OPTION 2.
58	ES-PSD5030T-C02	LATCH LOCK HOLE COVER	POLYPROPYLENE	
59	DLO1-G259-* CYLINDER 40/10 TURN BR1	CYLINDER 40/10	BRASS	
60	PLA-014 ES-PSD5030T-PLA03	DAYLATCH STRIKER PLATE	STAINLESS STEEL	
61	DSO1-6707	PLANET DROP SEAL	STAINLESS STEEL	
62	COV-018 ES-PSD5030-C01-L	COVER DOOR STOP	STAINLESS STEEL	
63	ES-PSD5030T-PLA02	PLATE	STAINLESS STEEL	
64	SYSTEM ST.ONE.70.GSSS	TOP PIVOT	STAINLESS STEEL	
65		CEILING PLATE	STAINLESS STEEL	
66		SYSTEM	STAINLESS STEEL	
67		FLOOR PLATE	STAINLESS STEEL	
68	6607K1 STEEL HEX BAR	1*PUERA	STAINLESS STEEL	
69	34931188-115	DAYLATCH	BRASS	
70	3516185 DZM T-STANGE 75-BV1680-G2/45	ROD-EXTENSION	STAINLESS STEEL	
71	3512312	SHOOTBOLT BOTTOM	STAINLESS STEEL	
72	B7033 TV F16 503519381 OK OR41 BLK 500MM	EXTENSION ROD	STAINLESS STEEL	
73	5700952 BV16001TV XF165 500K OR41 180 1	HOOK	STAINLESS STEEL	
74	BS2600SA	5700575 BS2600SA TOXF16K55928MLR41B001H1	STAINLESS STEEL	
75	881-00088	3466977 - 881-00088 FLOOR KEEPER	STAINLESS STEEL	
76	MK22LS-1802	MK22LS-1802 A=2134 mm B=1524 SS316 Satin	STAINLESS STEEL	

FL # 41358.1



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Drawn Date 02.26.2025	Drawn By James
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	BOM

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LOCK SYSTEM

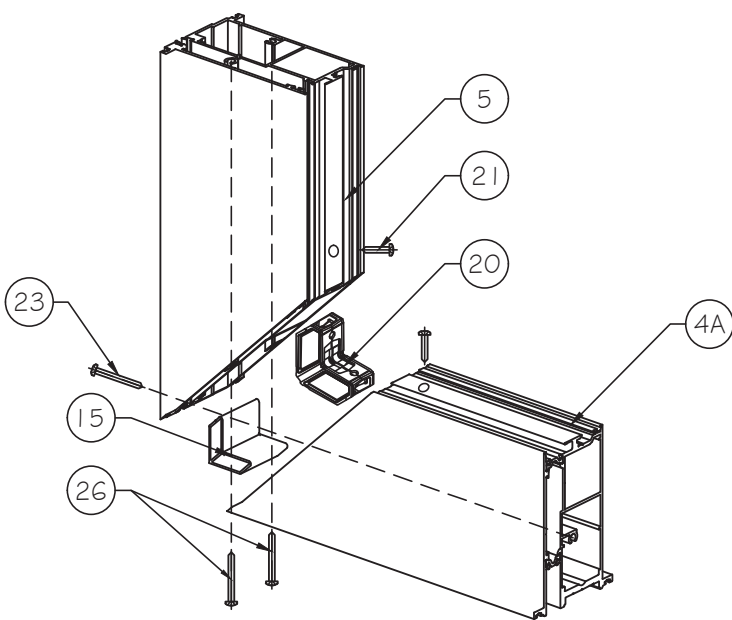
SIX SURFACE MOUNT METALLIC KEEPERS AT 19", 78", 101" FROM BOTTOM OF FRAME JAMB WITH (2) #8X3/4" FH SMS.

MULTI POINT LOCKING SYSTEM WITH KEY OPERATOR ON THE INTERIOR AT 44 3/4" FROM BOTTOM AT LEFT JAMB STILE WITH (1)#12X1 1/2" FH MS.

MULTI POINT LOCKING SYSTEM WITH THUMB TURN OPERATOR ON THE INTERIOR AND KEY OPERATOR ON THE EXTERIOR AT 44 3/4" FROM BOTTOM AT RIGHT JAMB STILE WITH (1)#12X1 1/2" FH MS.

TWO SURFACE MOUNT METALLIC STRIKE PLATES AT 44 3/4" FROM BOTTOM AT LEFT AND RIGHT FRAME JAMBS.

THE LOCKING RODS PENETRATES 1/2" INTO FRAME HEAD AND THRESHOLD.



CORNER ASSEMBLY

FLORIDA APPROVAL:
FL # 41358.1

YIPING WANG
Professional Engineer
FLORIDA
No 55988
February 26th, 2025

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R5	02.26.2025	James	REVISION
DRAWING NO. AD22-07			
ASSEMBLY			
Sheet No. 12 OF 12			