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Product Approval
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FL #	FL41358-R4	
Application Type	Revision	
Code Version	2023	
Application Status	Approved	
Comments		
Archived	☐	
Product Manufacturer	E.S. Windows, Inc.	
Address/Phone/Email	10653 NE Quaybridge Ct. Miami, FL 33138 (305) 638-5151 ssabagh@energiasolarsa.com	
Authorized Signature	Yiping Wang mcyengineering@outlook.com	
Technical Representative		
Address/Phone/Email		
Quality Assurance Representative		
Address/Phone/Email		
Category	Exterior Doors	
Subcategory	Swinging 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	Yiping Wang	
Florida License	PE-55983	
Quality Assurance Entity	Keystone Certifications, Inc.	
Quality Assurance Contract Expiration Date	03/24/2035	
Validated By	Xiaojun Gu ☒ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL41358_R4_COI_Certificate of Independence 5030 pivot door FBC 2023-SS.pdf	
Referenced Standard and Year (of Standard)	Standard	Year
	ASTM E283	2012
	ASTM E331	2016
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994
Equivalence of Product Standards Certified By		

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted08/29/2024

Date Validated03/04/2025

Date Pending FBC Approval03/05/2025

Date Approved06/10/2025

Summary of Products		
FL #	Model, Number or Name	Description
41358.1	ES-PSD5030 PIVOT DOOR LMI	ES-PSD5030 PIVOT DOOR LARGE MISSILE IMPACT
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +95/-95 Other:		Installation Instructions FL41358_R4_II_ES-PSD5030T PIVOT DOOR LMI FL41358.1 AD22-07 REV02.26.2025-ss.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes Evaluation Reports FL41358_R4_AE_EVR PIVOT DOOR LMI REV 02.26.2025-ss.pdf Created by Independent Third Party: Yes
41358.2	ES-PSD5030 PIVOT DOOR NI	ES-PSD5030 PIVOT DOOR NON-IMPACT
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +95/-95 Other:		Installation Instructions FL41358_R4_II_ES-PSD5030T PIVOT DOOR NI FL41358.2 AD22-08 REV02.26.2025-ss.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes Evaluation Reports FL41358_R4_AE_EVR PIVOT DOOR NI REV02.26.2025-ss.pdf Created by Independent Third Party: Yes

Back

Next

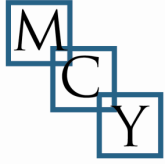
Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:





MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway, Suite 301
Miramar, FL. 33027
Mobile: (305) 588-5224
Office: (305) 271-0117

PRODUCT APPROVAL EVALUATION REPORT

<u>Product Manufacturer:</u> E.S. WINDOWS, Inc. 10653 NE Quaybridge Ct. Miami, FL 33138	<u>Product Name/Model & Description:</u> ES-PSD 5030T PIVOT DOOR-LARGE MISSILE IMPACT
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Scope: This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

Code: 8th Edition Florida Building Code (2023), inclusive of all Supplements effective as of this report date.

Compliance Method: 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

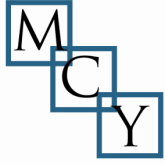
Product Description: Product Approval **Drawing #AD22-07** prepared by MCY Engineering, signed and sealed by Yiping Wang P.E., is an integral part of this Evaluation Report.

Limitations & Conditions of Use:

- This product has been evaluated for use **inside and outside of the HVHZ** (High Velocity Hurricane Zone)
- Impact Resistance: **Large Missile Impact**
- Refer to Product Approval Drawing noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Other load limitations applicable to the product, if any.
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to the structure
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.



February 26th, 2025



Test Reports:

Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

Test Lab	Report Number	Test Report Date	Test Standard & Description
QAI Laboratories 8148 NW 74 Avenue Medley, FL,33166	ES-22-1056 <i>Signed and sealed by Idalmis Ortega</i>	06.10.2022	TAS 201 (large missile impact test) TAS 202 (uniform static load) TAS 203 (cyclic wind load) ASTM E283 (air infiltration test) ASTM E331 (water resistance test) Forced entry test.
Blackwater Testing, Inc. West Palm Beach	BT - ESW - 23 - 015 <i>signed and sealed by Michael D Caldwell, P.E.</i>	10.16.2023	TAS 201 (large missile impact test) TAS 202 (uniform static load) TAS 203 (cyclic wind load)
Blackwater Testing, Inc. West Palm Beach	BT - ESW - 23 - 054 <i>signed and sealed by Michael D Caldwell, P.E.</i>	10.15.2024	TAS 201 (large missile impact test) TAS 202 (uniform static load) TAS 203 (cyclic wind load)

Engineering Analysis:

 The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- No rational analysis has been performed.
- Anchor calculations are based on manufacturer's published anchor capacity, anchor Notice of Acceptance by Miami Dade County.



February 26th, 2025

E.S. WINDOWS, INC.
ES-PSD5030T PIVOT DOOR - L.M.I

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- DOORS NOT APPROVED FOR 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 FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- 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.

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.

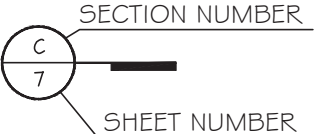
STEP 2: SEE SHEET E1 FOR TYPICAL DOOR ELEVATION. SEE SHEET G1 FOR GLASS OPTION

STEP 3: SEE SHEET A1 FOR ANCHOR OPTIONS. SEE SHEET E1 FOR NUMBER OF ANCHORS REQUIRED.

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

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

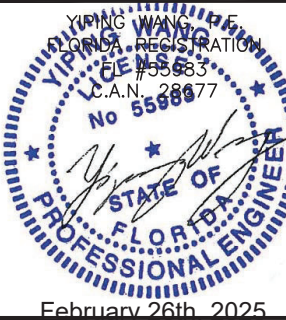


LIMITATIONS OF USE

- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERAL IN NATURE 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 HEREIN. CONTRACTOR TO 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. 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.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL, AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVA

FL # 41358.



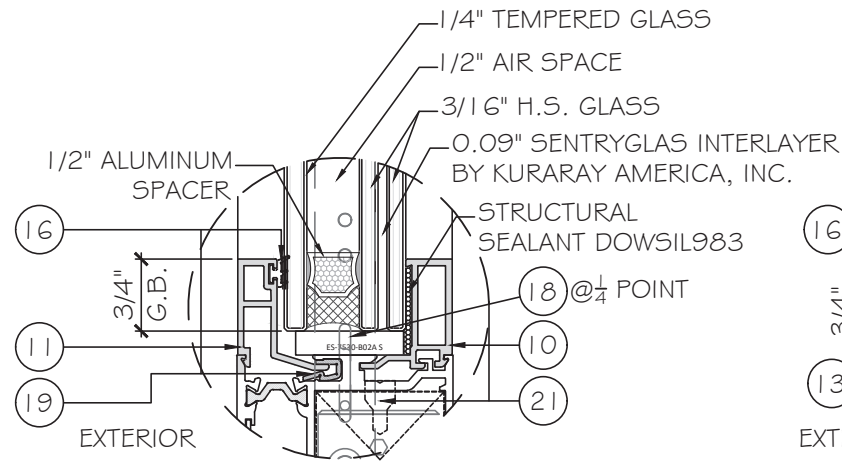
ES-PSD5030T PIVOT DOOR - L.M.I.:

E.S. WINDOWS, INC.
0653 NE QUAYBRIDGE CT.
MIAMI, FL 33138
TEL (305) 624-7775

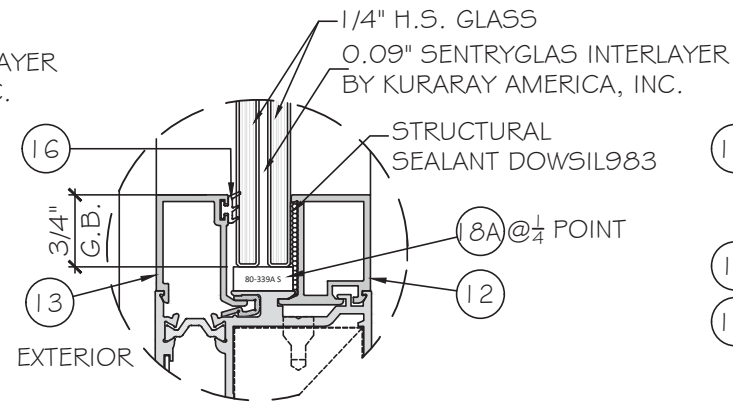
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

2781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027

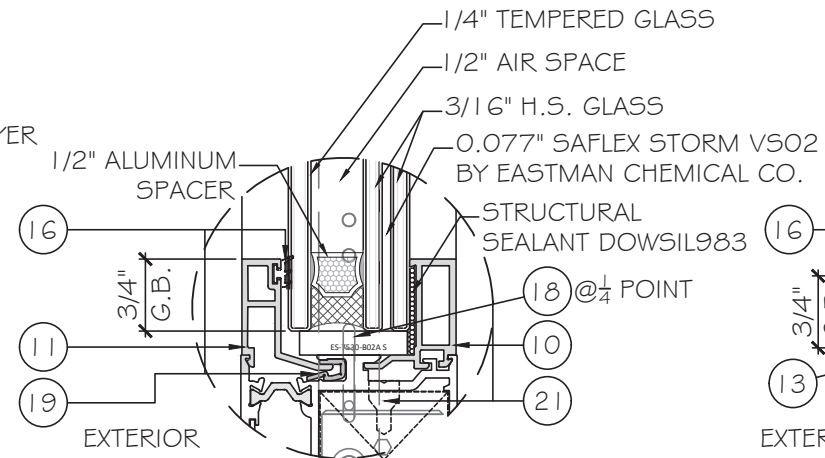
www.MCYEngineering.com mcv@mcvenengineering.com



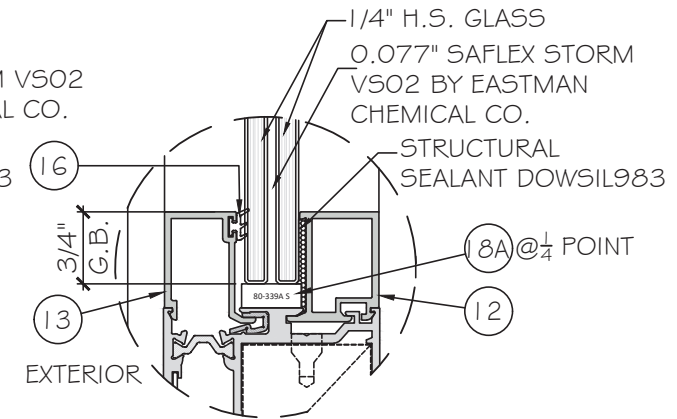
G1 GLASS TYPE 'G1'
1 3/16" NOMINAL OVERALL



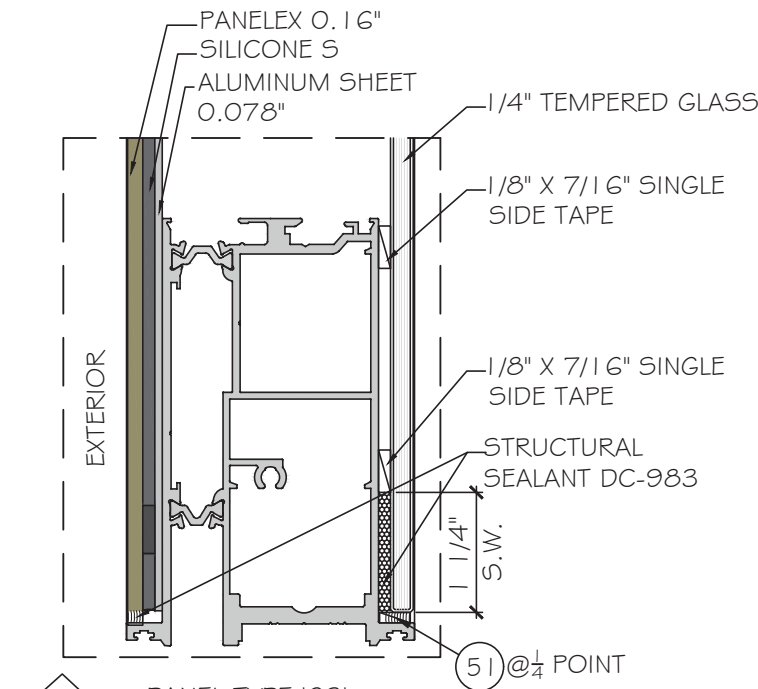
G2 GLASS TYPE 'G2'
9/16" NOMINAL OVERALL



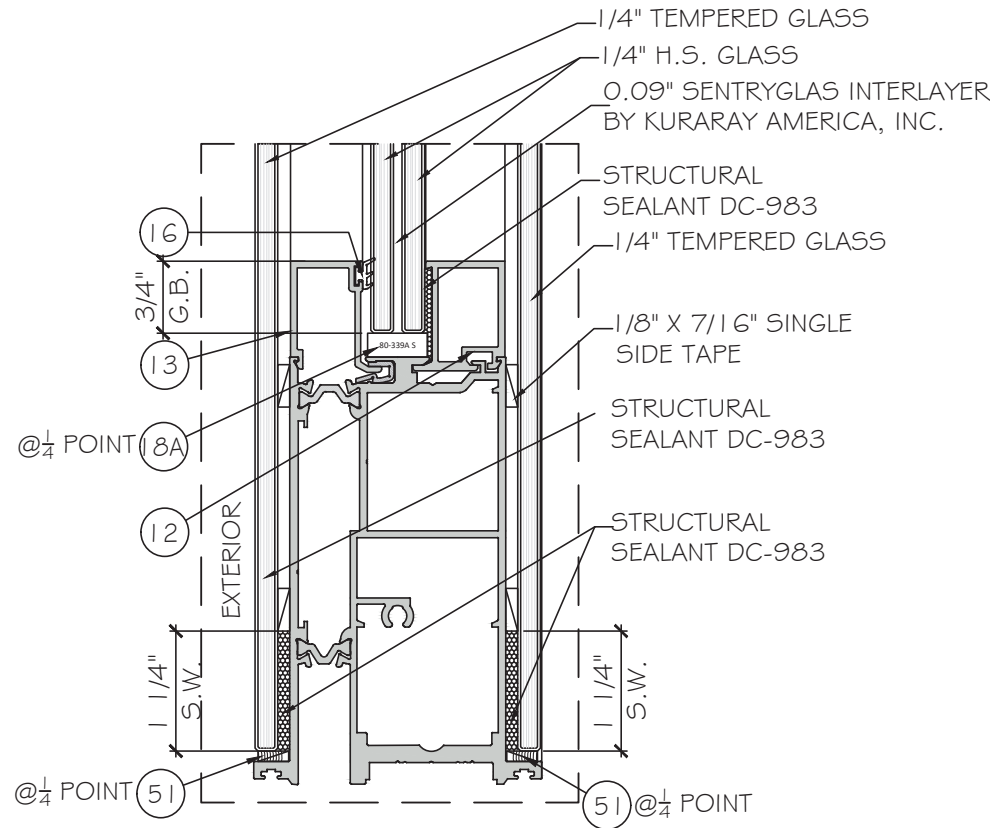
G5 GLASS TYPE 'G5'
1 3/16" NOMINAL OVERALL



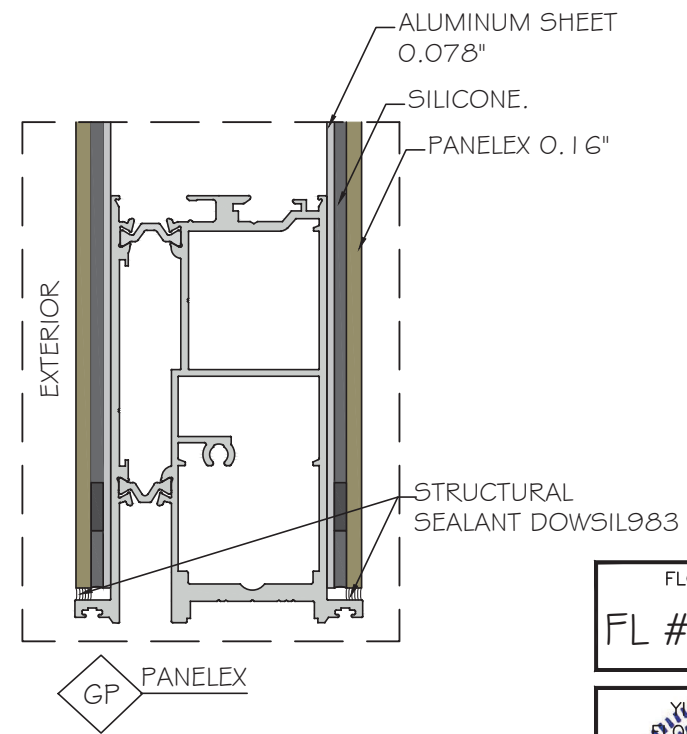
G6 GLASS TYPE 'G6'
9/16" NOMINAL OVERALL



G3 PANEL TYPE 'G3'



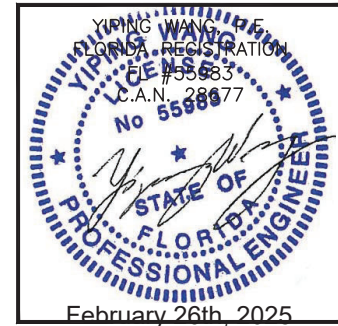
G4 GLASS TYPE 'G4'



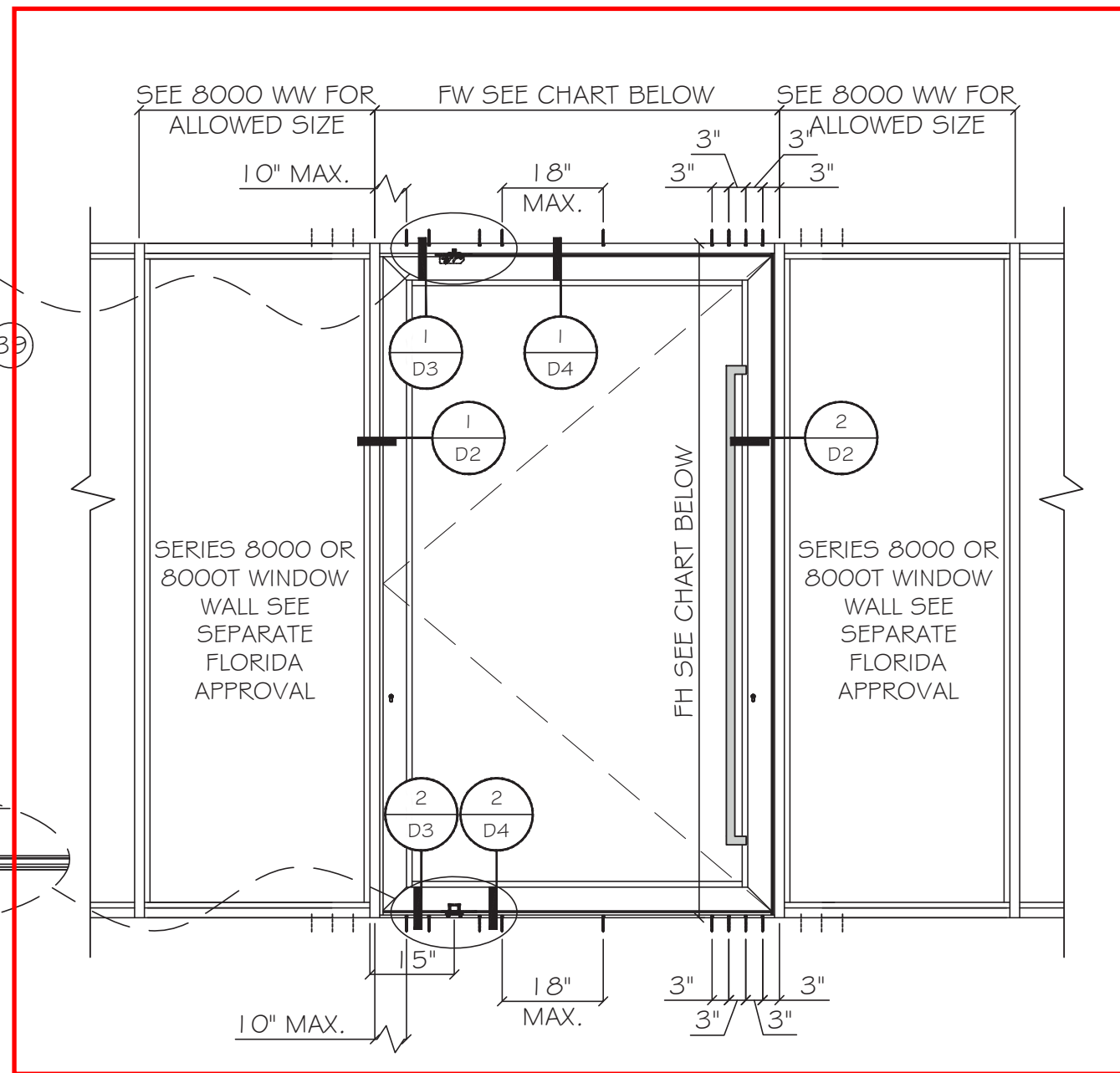
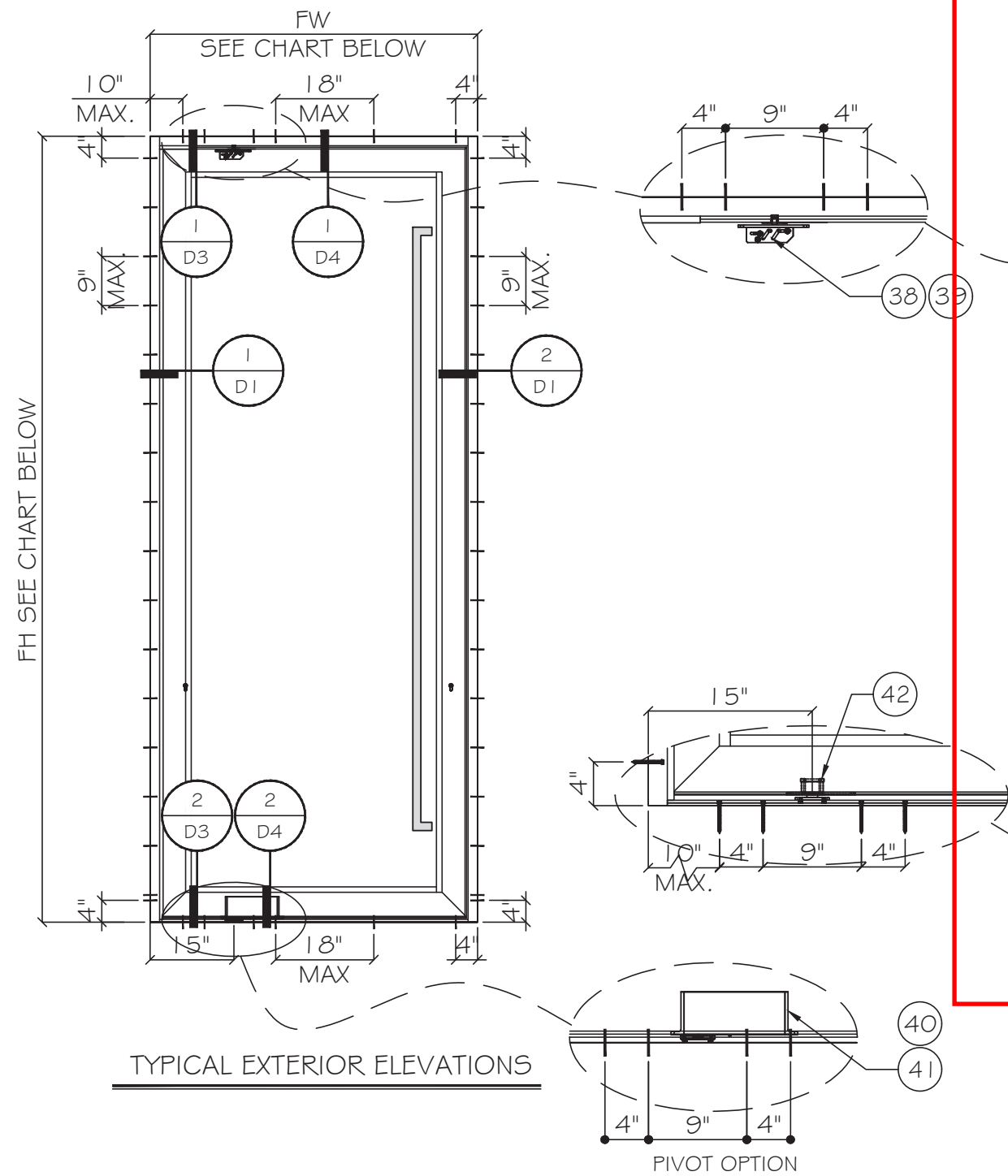
GP PANELEX

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

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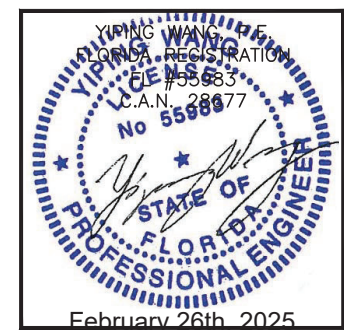
Rev. No.	Date	Drawn By	Description
R5	02.26.2025	James	REVISION
DRAWING NO. AD22-07			
G1			
Sheet No. 2 OF 12			



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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FL # 41358.1



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MIAMI, FL 33138
TEL (305) 624-7775

Rev. No.	Date	Drawn By	Description
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Drawn Date: 02.26.2025

Drawn By: James

DRAWING NO.

AD22-07

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' ($F_u = 164 \text{ KSI}$, $F_y = 148 \text{ KSI}$)
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

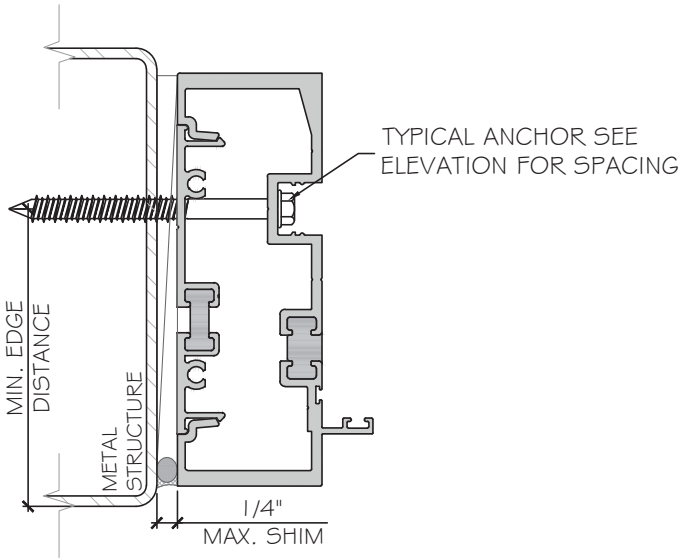
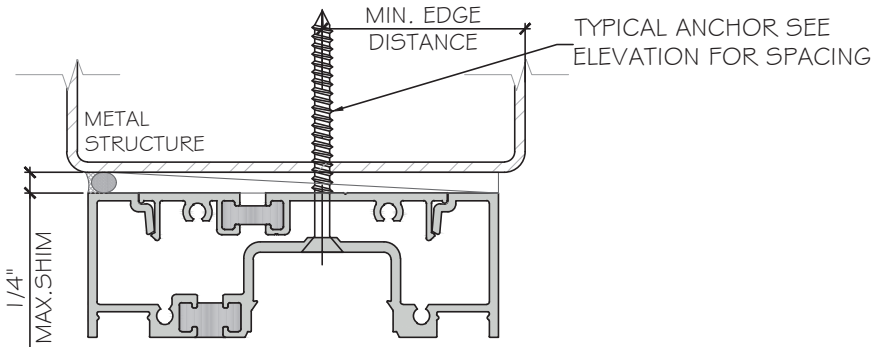
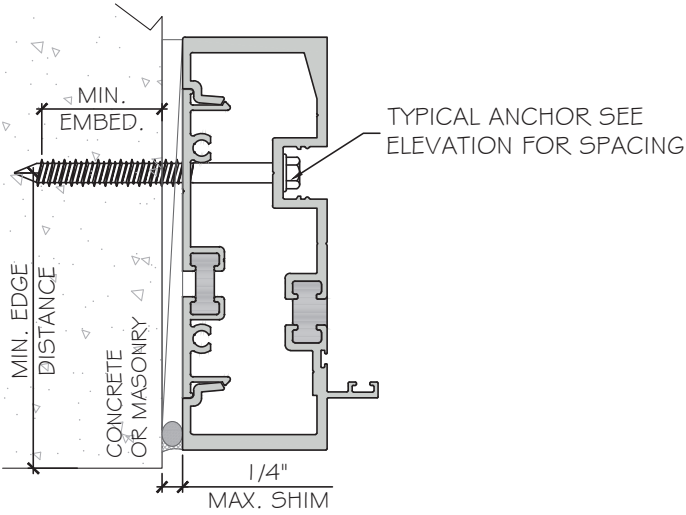
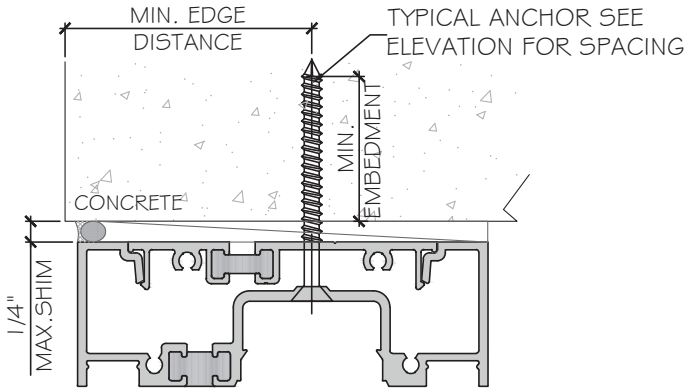
TYPE "B": 1/4" SELF DRILLING SCREW (GRADE 5) ($F_u = 120 \text{ KSI}$, $F_y = 90 \text{ KSI}$)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 1/8" MIN. ($F_y = 36 \text{ KSI MIN.}$)
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)

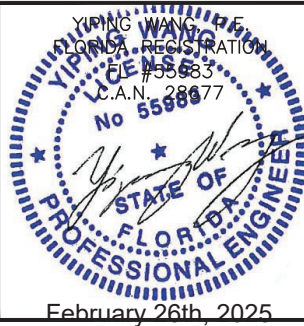
TYPICAL ANCHOR EDGE DISTANCE:
INTO CONCRETE AND MASONRY = 2 1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
CONCRETE $f_c = 3000 \text{ psi MIN.}$
C-90 HOLLOW/FILLED BLOCK $f_m = 2000 \text{ psi MIN.}$
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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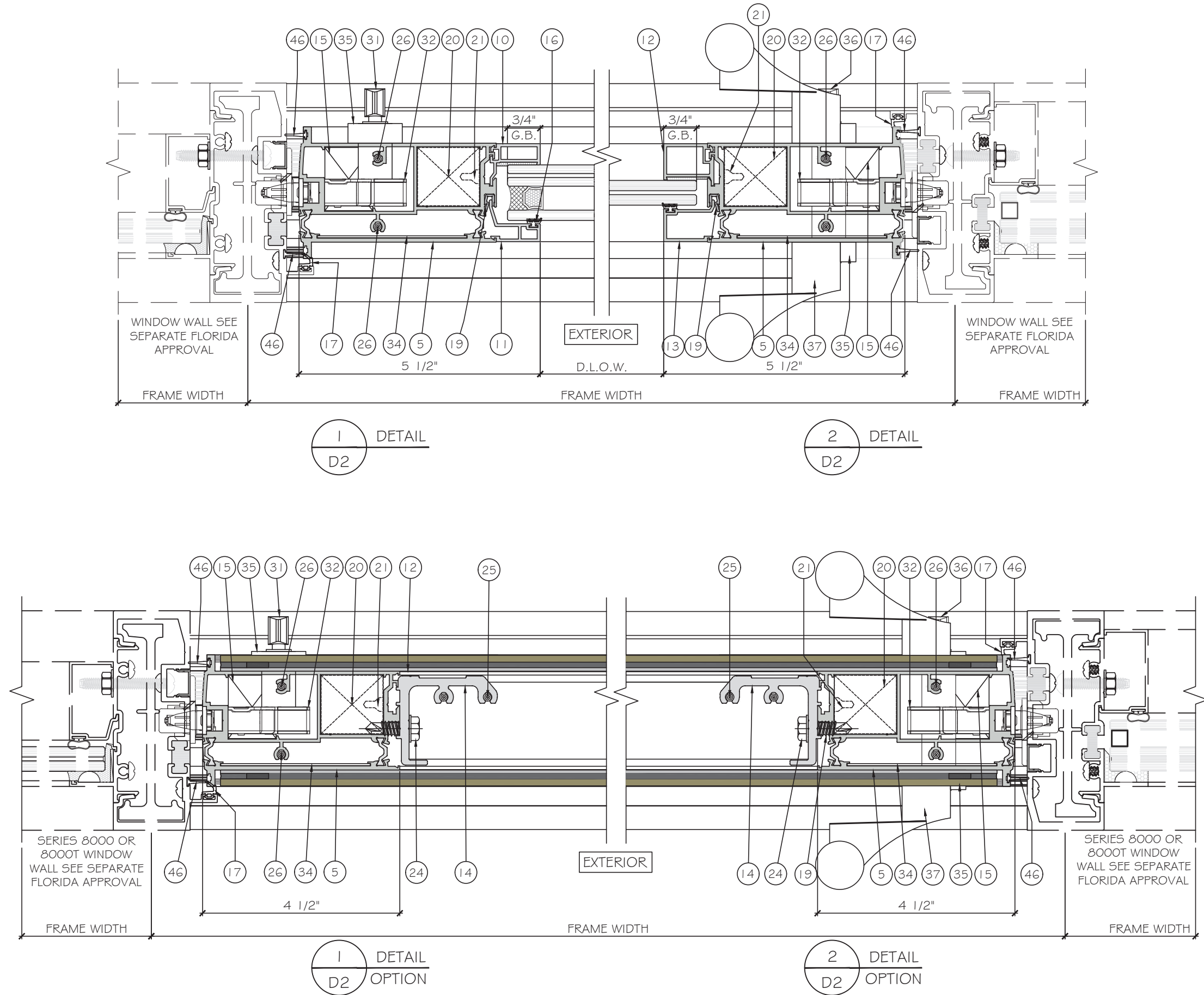
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Drawn By
James

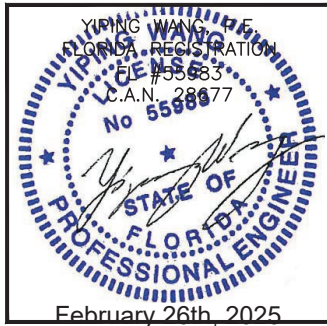
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A1

Sheet No.
4 OF 12



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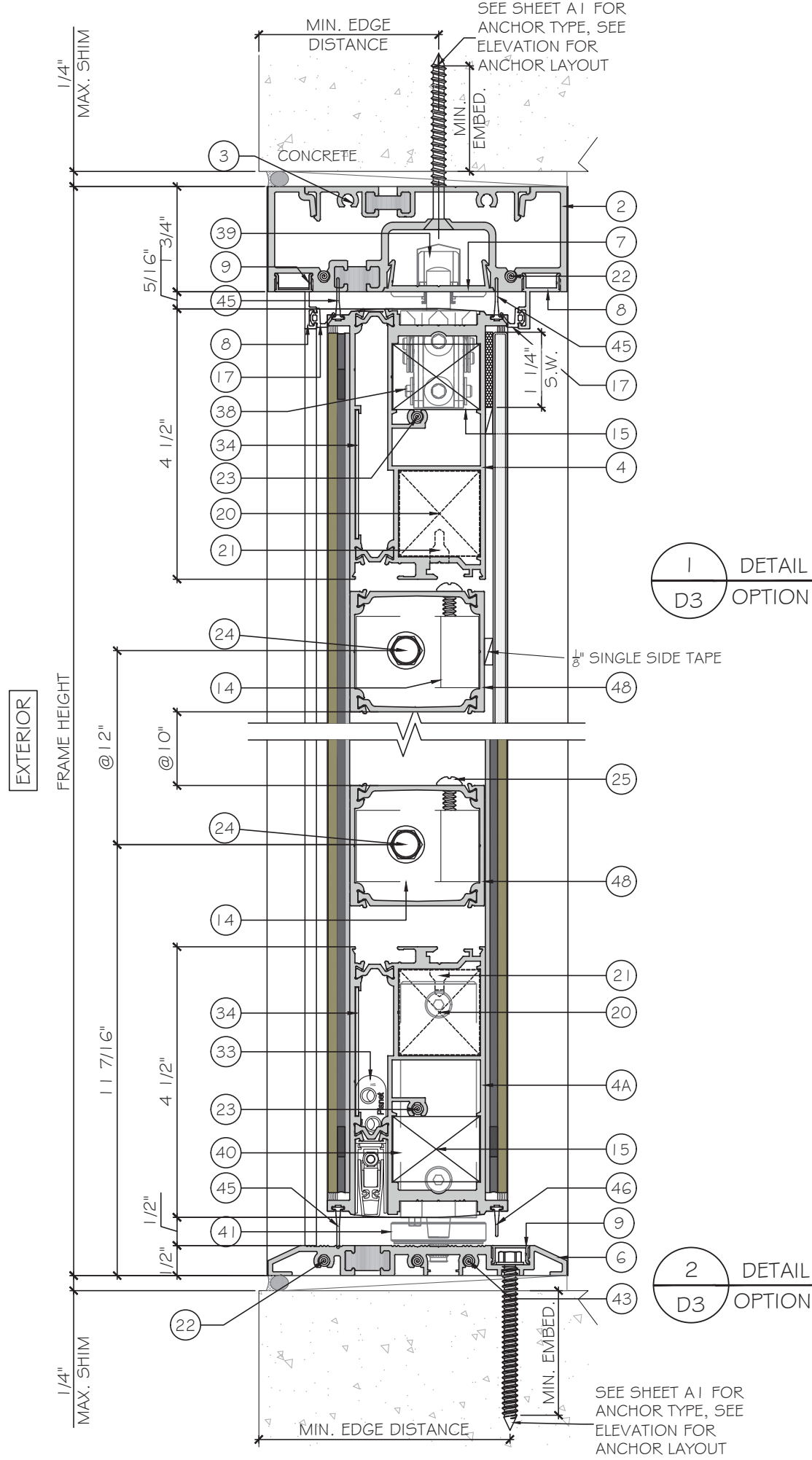
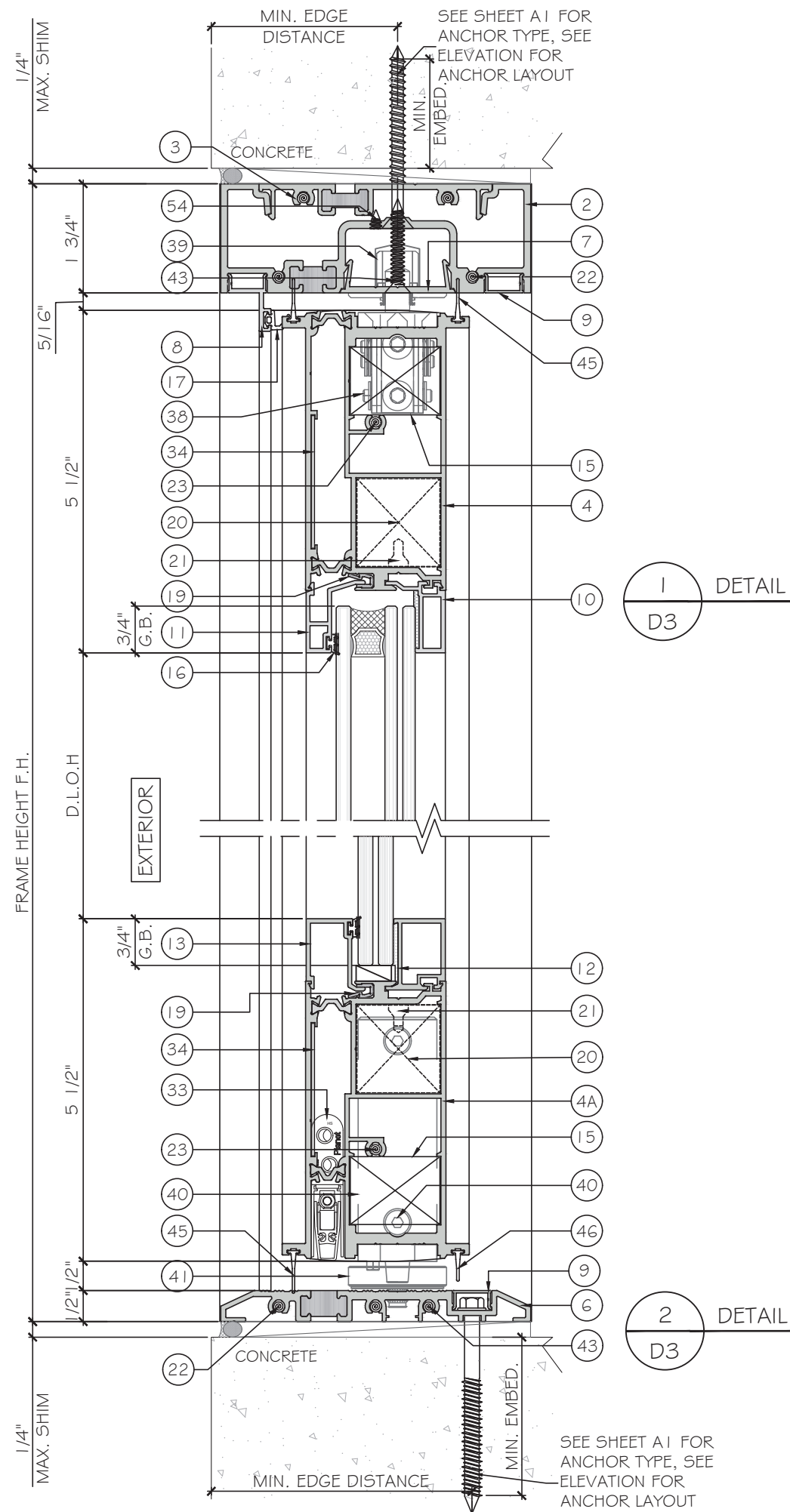
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R5	02.26.2025	James	REVISION

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D2	
Sheet No. 6 OF 12	

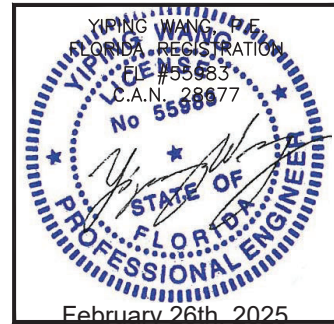


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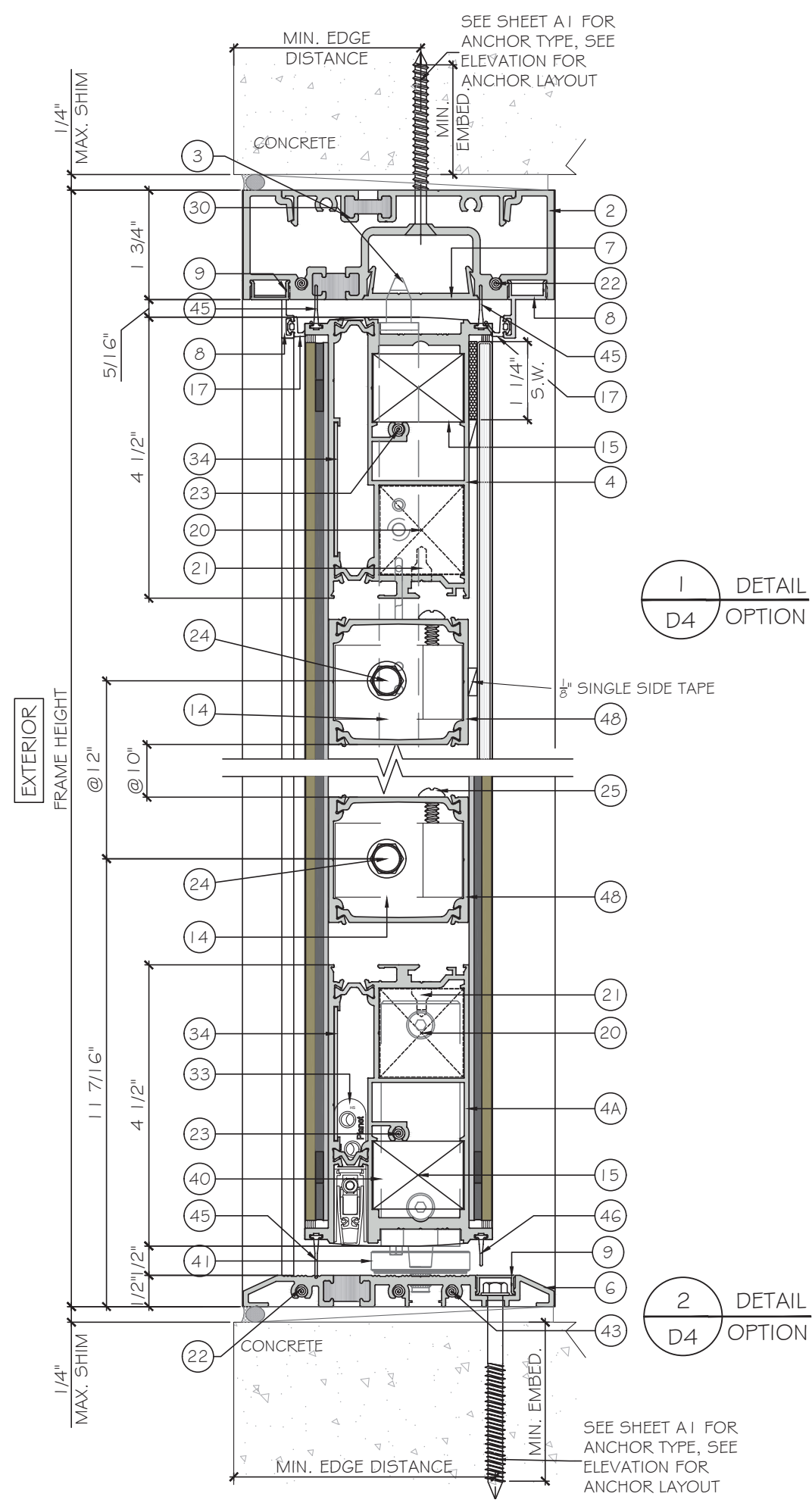
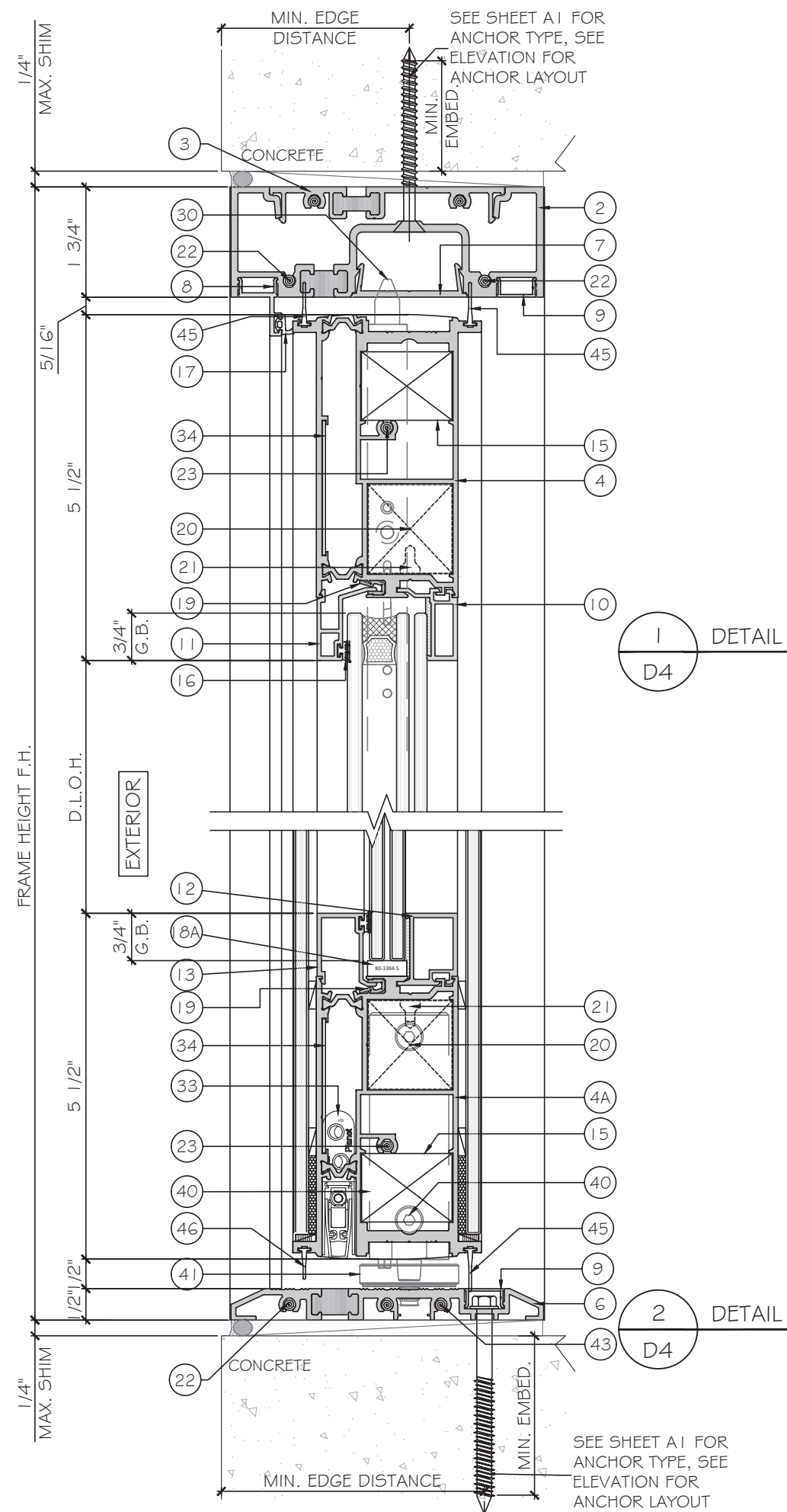
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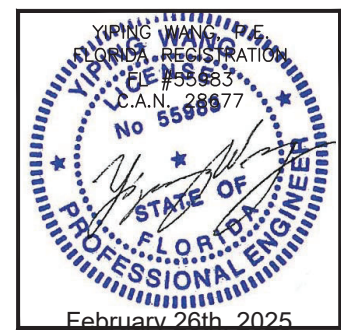
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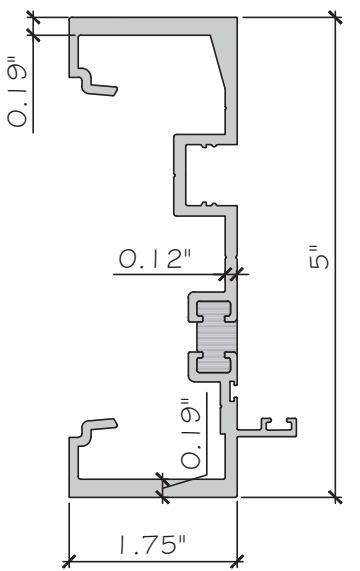
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Drawn Date	02.26.2025	Drawn By	James



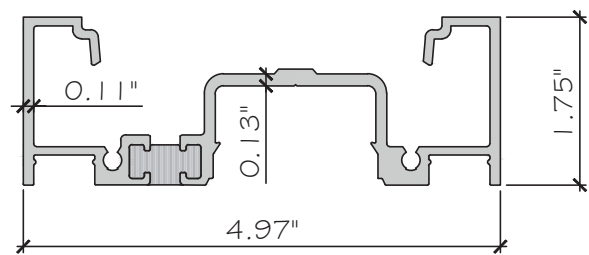
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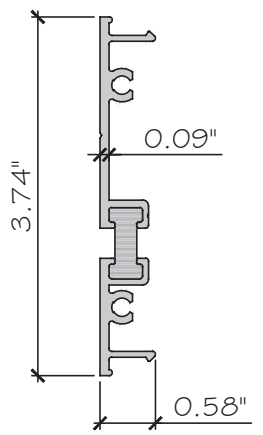
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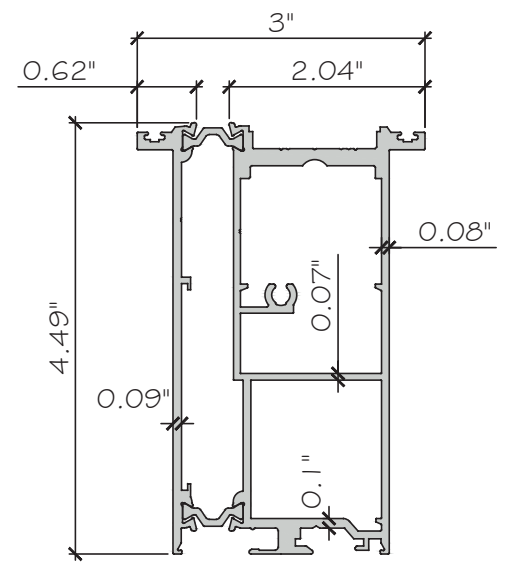
① FRAME JAMB
ES-PSD5030T-001T
ALUM.6005-T5



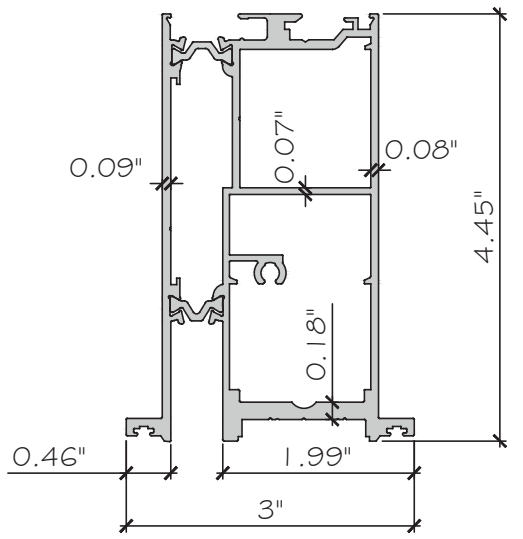
② FRAME HEAD
ES-PSD5030T-002T
ALUM.6005-T5



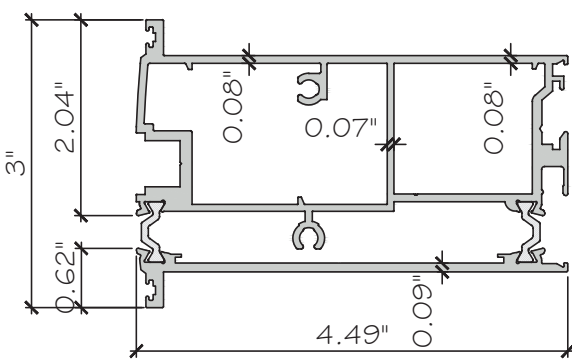
③ SHEAR CLIP
ES-8000T-003T
ALUM.6063-T6



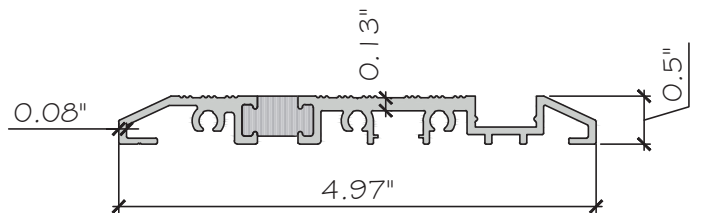
④ LEAF TOP 029 FRONT + 008 BACK
ES-PSD5030T-502
ALUM.6063-T6



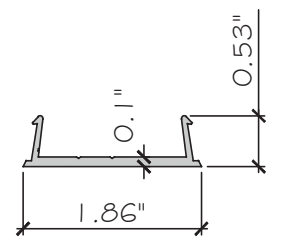
④A LEAF BOTTOM 009 FRONT + 010 BACK
ES-PSD5030T-503
ALUM.6063-T6



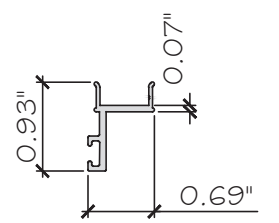
⑤ LEAF STILE 006 FRONT + 007 BACK
ES-PSD5030T-501
ALUM.6063-T6



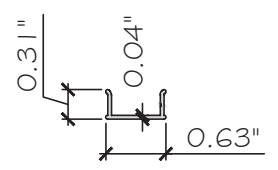
⑥ THRESHOLD
ES-PSD5030T-005T
ALUM.6063-T6



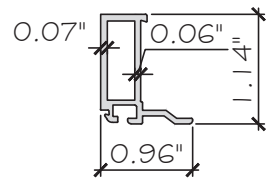
⑦ HEAD COVER
ES-PSD5030T-003
ALUM.6063-T5



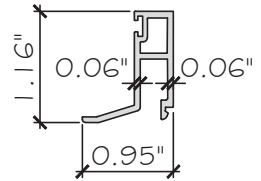
⑧ DOOR STOP
ES-PSD5030T-004
ALUM.6063-T5



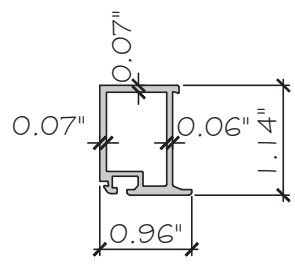
⑨ JAMB SCREW COVER
ES-EL114
ALUM.6063-T6



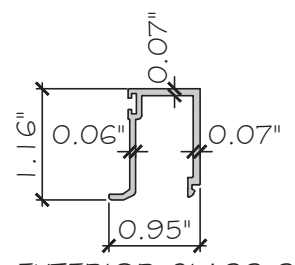
⑩ INTERIOR GLASS STOP
ES-PSD5030T-012
ALUM.6063-T5



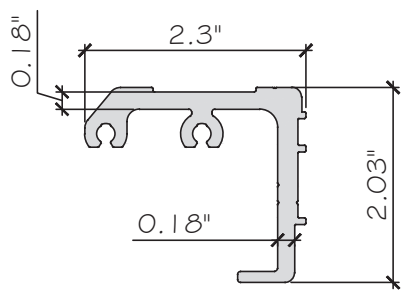
⑪ EXTERIOR GLASS STOP
ES-PSD5030T-011
ALUM.6063-T5



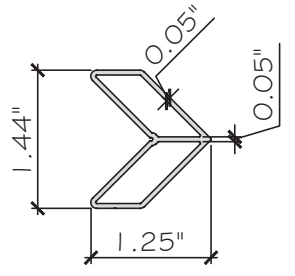
⑫ INTERIOR GLASS STOP
ES-PSD5030T-016
ALUM.6063-T5



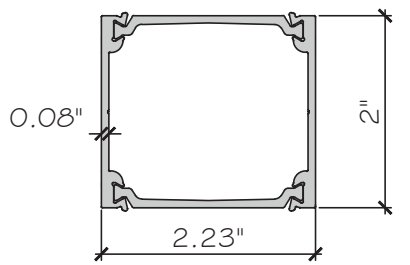
⑬ EXTERIOR GLASS STOP
ES-PSD5030T-015
ALUM.6063-T5



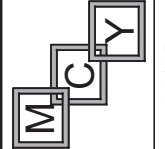
⑭ SHEAR BLOCK
ES-PSD5030T-017
ALUM.6063-T5



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

Drawn Date
02.26.2025

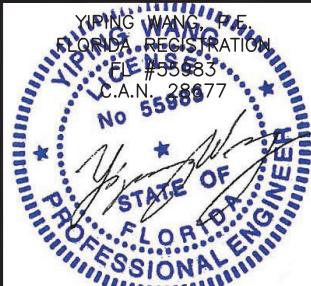
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James

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AD22-07

PART

Sheet No.
9 OF 12

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FL # 41358.1



February 26th, 2025

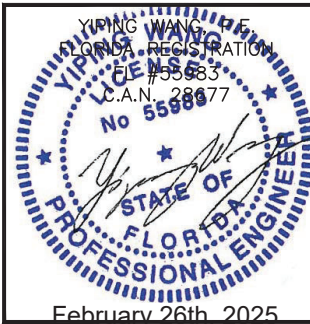
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	NOTE
1	ES-PSD5030T-001T	FRAME JAMB	ALUM.6005-T5	--
2	ES-PSD5030T-002T	FRAME HEAD	ALUM.6005-T5	--
3	ES-8000T-003T	SHEAR CLIP	ALUM.6063-T6	--
4	ES-PSD5030T-502	LEAF TOP 029 FRONT + 008 BACK	ALUM.6063-T6	--
4A	ES-PSD5030T-503	LEAF BOTTOM 009 FRONT + 010 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-G01 E	SEAL GASKET	EPDM	--
18	EMP-471 ES-7530-B02A S	INSULATED LAMINATED SETTING BLOCK, 80±5SHORE A	SILICONE	--
18A	EMP-682 80-339A S	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-G259-* 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-G208-* ROSE COVER	COVER CYLINDER	STAINLESS STEEL	
36	DLO1-G253-* CYLINDER 40/40 TURN/KEY	CYLINDER	BRASS	
37	SHPRO31 GOLPNS601250 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	

YIPING WANG
 FLORIDA REGISTRATION
 E-195683
 C.A.N. 28677
 No 55889
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 February 26th, 2025

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ES-PSD5030T PIVOT DOOR - L.M.I.					
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		R5	02.26.2025	James	REVISION
Drawn Date 02.26.2025	Drawn By James		Rev. No.	Date	Drawn By
DRAWING NO. AD22-07					
BOM					
Sheet No. 10 OF 12					

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 1801	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	

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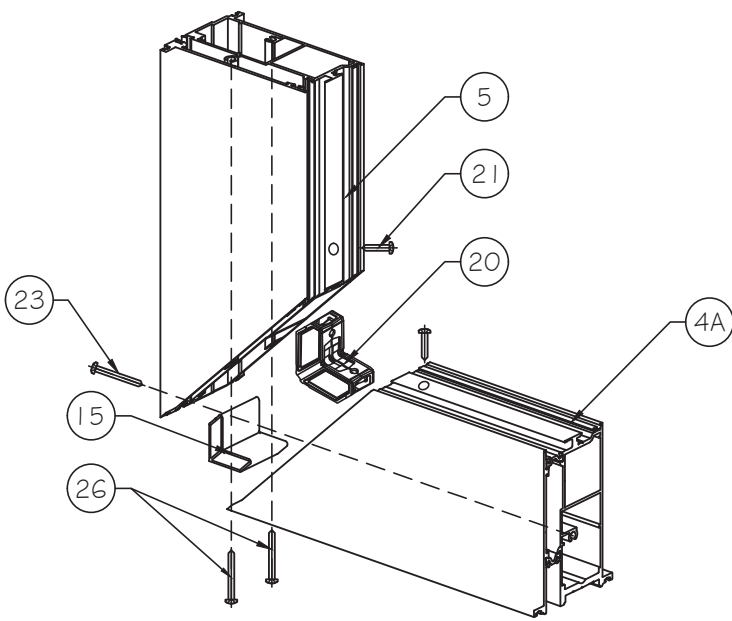
Sheet No.
11 OF 12

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)#1 2X1 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)#1 2X1 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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Professional Engineer
FLORIDA
No 55988
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Drawn Date
02.26.2025

Drawn By
James

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ASSEMBLY

Sheet No.
12 OF 12