Product Approval
USER: Public User

PA-06

FL #	FL41358-R3
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer Address/Phone/Email	E.S. Windows, Inc. 10653 NE Quaybridge Ct. Miami, FL 33138 (305) 624-7775 achamorro@eswllc.com
Authorized Signature	Yiping Wang mcy@mcyengineering.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	07/16/2025
Validated By	Xiaojun Gu ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL41358_R3_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 Submitted	12/18/2023
Date Validated	12/28/2023
Date Pending FBC Approval	01/03/2024
Date Approved	02/13/2024

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_R3_II_ES-PSD5030T PIVOT DOOR LMI FL41358.1 AD22-07 REV12.06.2023_SS.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes **Evaluation Reports** FL41358_R3_AE_EVR PIVOT DOOR LMI FBC2023 12.27.2023_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_R3_II_ES-PSD5030T PIVOT DOOR NI FL41358.2 AD22-08 REV09.18.2023-SS.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes **Evaluation Reports** FL41358_R3_AE_EVR PIVOT DOOR NI FBC2023 SS.pdf Created by Independent Third Party: Yes

Back Next

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Parkway #301
Miramar, FL. 33027
P: 305 271-0117
F: 305 588-5224

Product Manufacturer:	*Product Name/Model & Description:*
E.S. WINDOWS, Inc. **10653 NE Quaybridge Ct.** **Miami, FL 33138**	**ES-PSD 5030T PIVOT DOOR-LARGE MISSILE IMPACT**

PRODUCT APPROVAL EVALUATION REPORT

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.

YIPING WANG LICENSE No 55983 STATE OF FLORIDA PROFESSIONAL ENGINEER

December 27th, 2023

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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	*13050* Signed and sealed by Idalmis Ortega P.E.	04.12.2022	TAS 201 (impact test procedure) TAS 202 (uniform static air pressure) TAS 203 (cyclic wind load) ASTM E331 (water infiltration) ASTM E283 (air infiltration)
Blackwater Testing, Inc West Palm Beach, FL	*BT-ESW-23-015* *signed and sealed by* *MICHAEL D* *CALDWELL, P.E.*	10.16.2023	TAS 201 (impact test procedure) TAS 202 (uniform static air pressure) 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.

December 27th, 2023

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 7TH EDITION FLORIDA BUILDING CODE (2020)/ 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 7TH EDITION FLORIDA BUILDING CODE (2020)/ 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 7-16/ 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 7-16/ ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

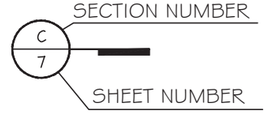
STEP 2: SEE SHEET E1 FOR TYPICAL DOOR ELEVATION. SEE SHEET G1 FOR GLASS OPTION.

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 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 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 APPROVAL:

FL # 41358.1

YIPING WANG P.E.
FLORIDA REGISTRATION
PE #55983
C.A. #26677
STATE OF FLORIDA PROFESSIONAL ENGINEER

December 27th, 2023

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

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E.S. WINDOWS, INC.
10653 NE QUAYBRIDGE CT.
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Rev. No.	Date	Drawn By	Description
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Drawn Date: 12.06.2023
Drawn By: James

DRAWING NO.
AD22-07

COVER

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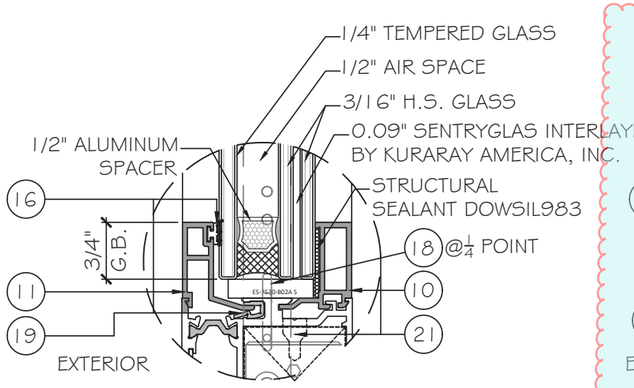
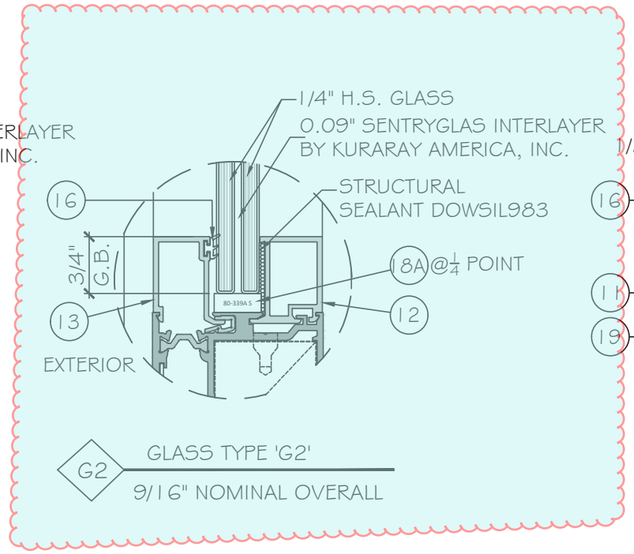


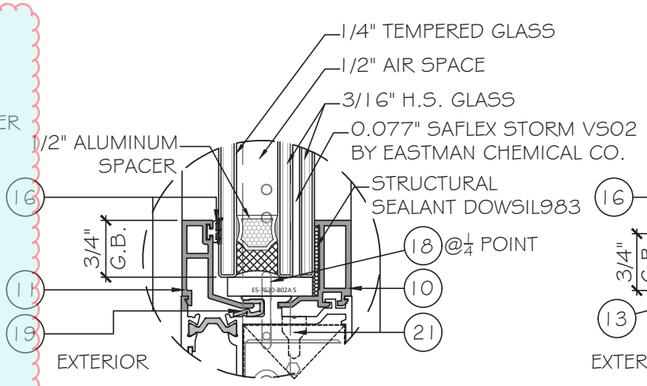
G1 GLASS TYPE 'G1'

1 3/16" NOMINAL OVERALL



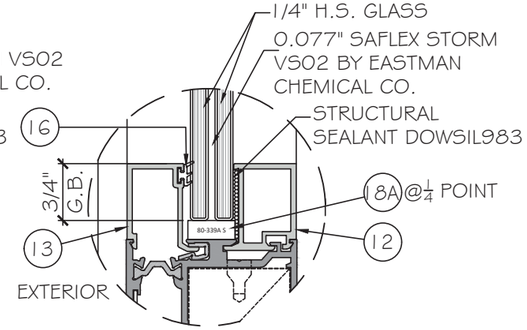
G2 GLASS TYPE 'G2'

9/16" NOMINAL OVERALL



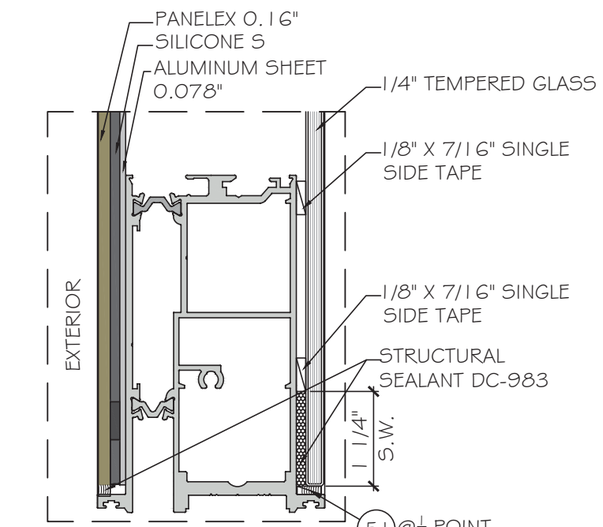
G5 GLASS TYPE 'G5'

1 3/16" NOMINAL OVERALL

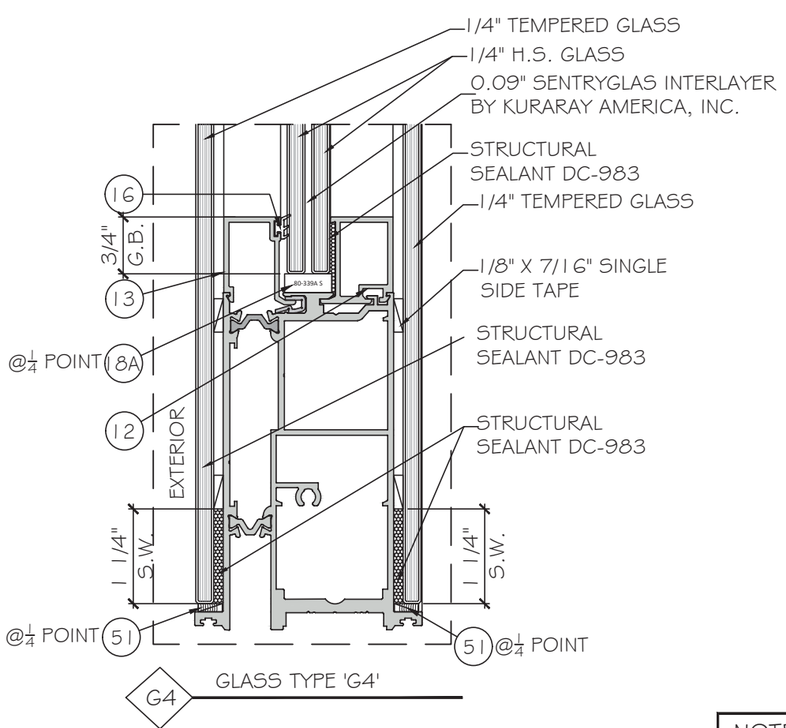


G6 GLASS TYPE 'G6'

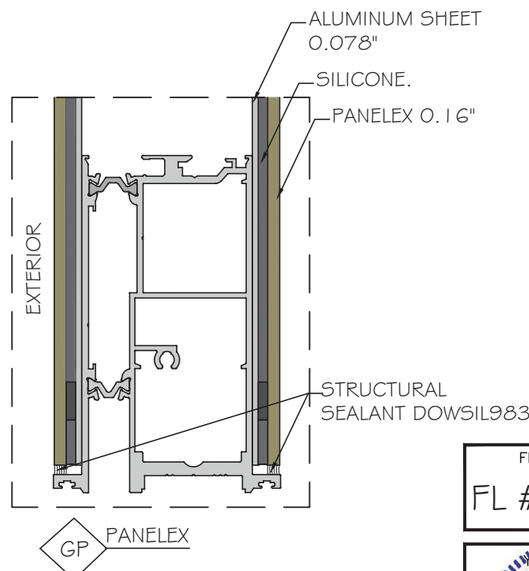
9/16" NOMINAL OVERALL



G3 PANEL TYPE 'G3'



G4 GLASS TYPE 'G4'



GP PANELEX

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

FLORIDA APPROVAL:

FL # 41358.1

YIPING WANG, P.E.
FLORIDA REGISTRATION
NO. 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
C.A. #28677

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MIRAMAR, FL. 33027
P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com

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Drawn By James

DRAWING NO.
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G1

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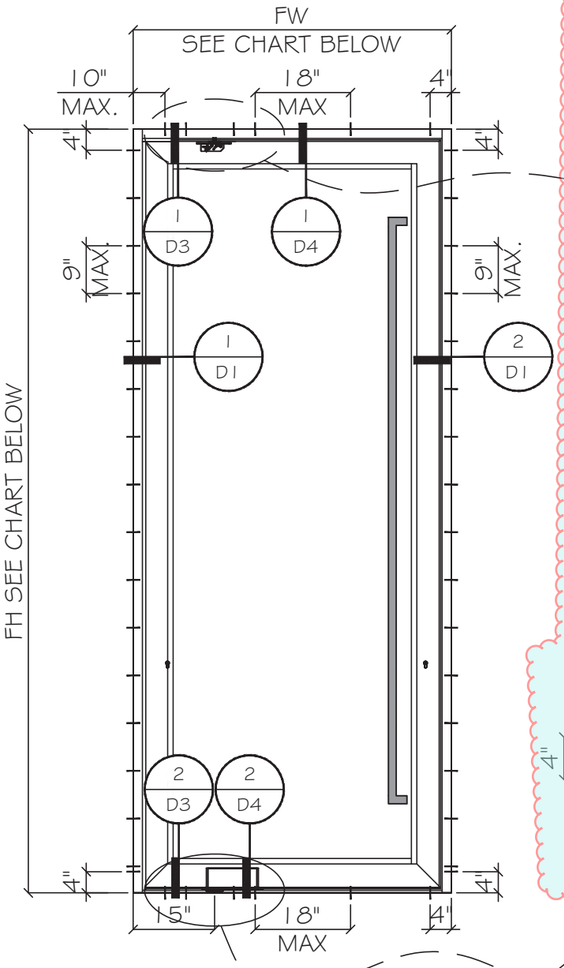
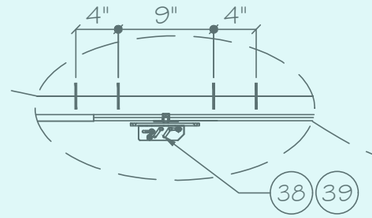
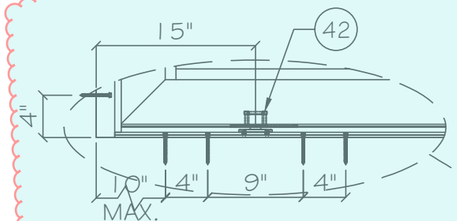
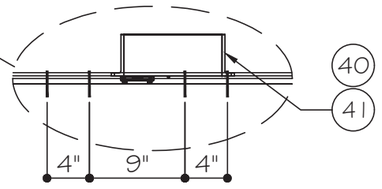


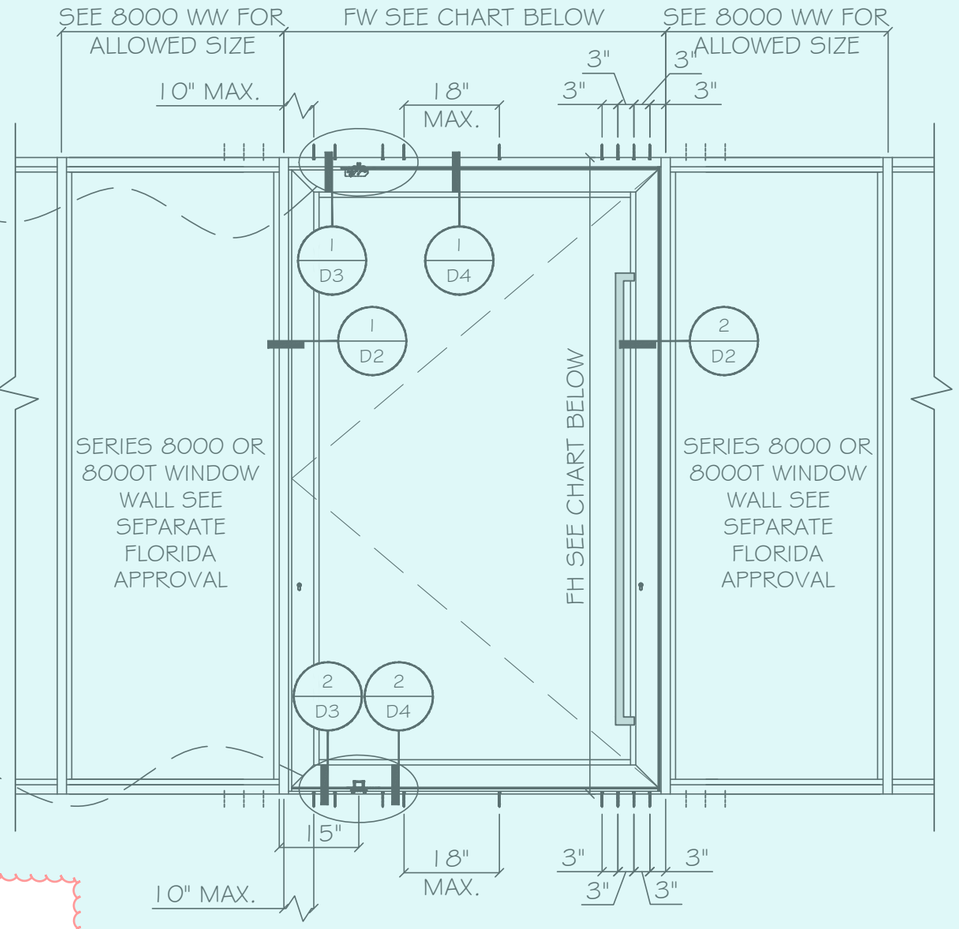
TYPICAL EXTERIOR ELEVATIONS







PIVOT OPTION



TYPICAL EXTERIOR ELEVATIONS

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

NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

FLORIDA APPROVAL:

FL # 41358.1

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LPL #55983
C.A.#28677

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E1

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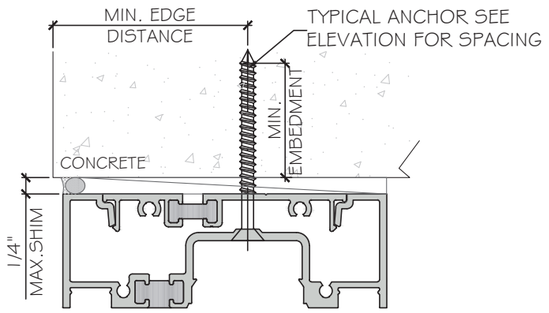
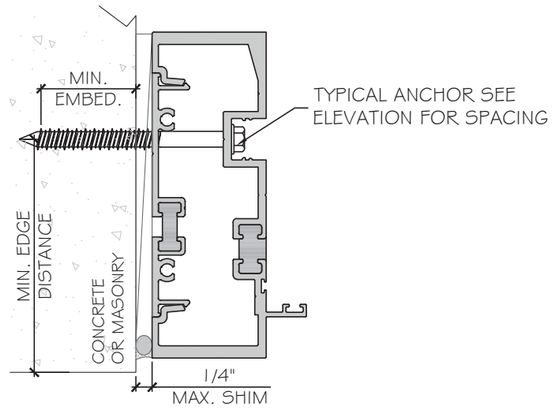
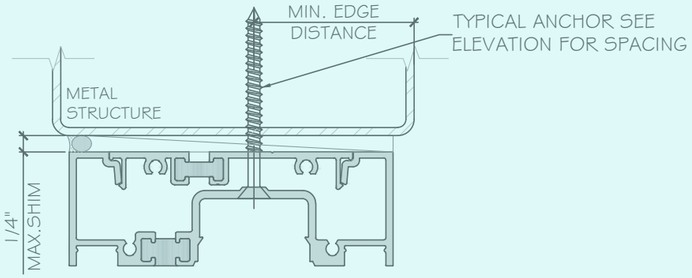
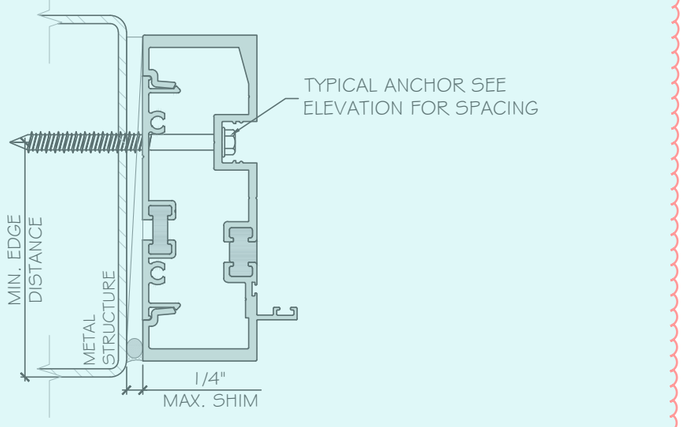








NOTE:METAL STRUCTURES BY OTHERS MUST BE PROPERLY SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURES.

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 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=120 KSI, Fy=90 KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

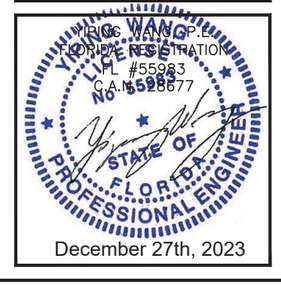
STEEL: 1/8" MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED)

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

FLORIDA APPROVAL:
FL # 41358.1



YIRONG WANG, P.E.
FLORIDA REGISTRATION
LIC. #55983
C.A.No. 28677
December 27th, 2023

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DRAWING NO.
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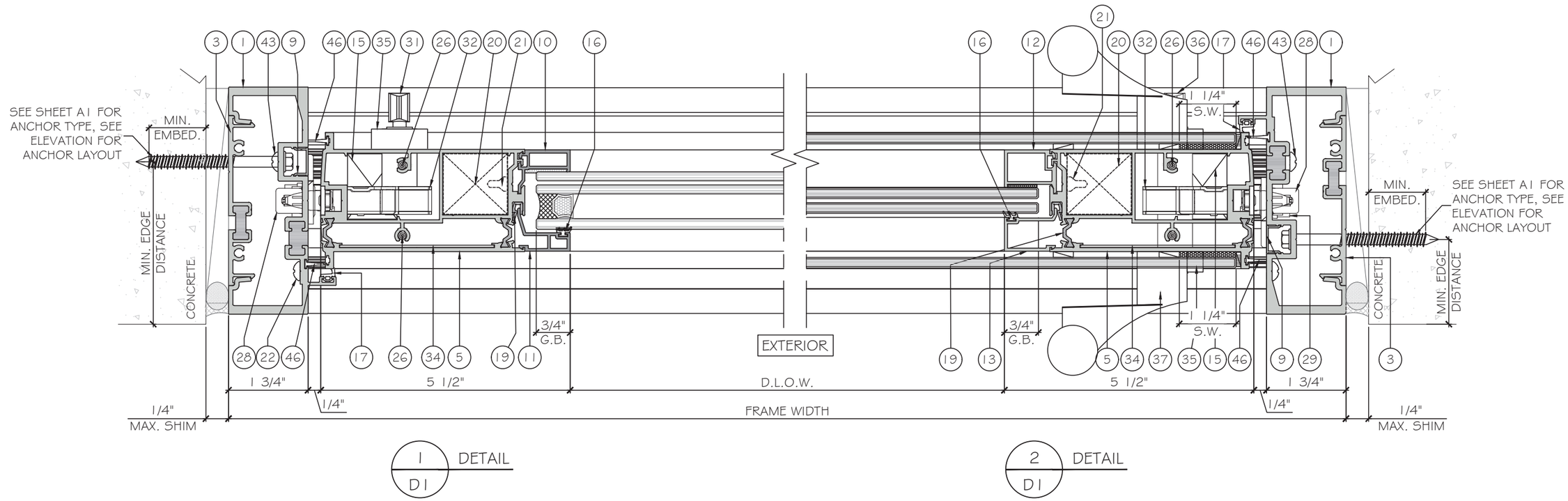
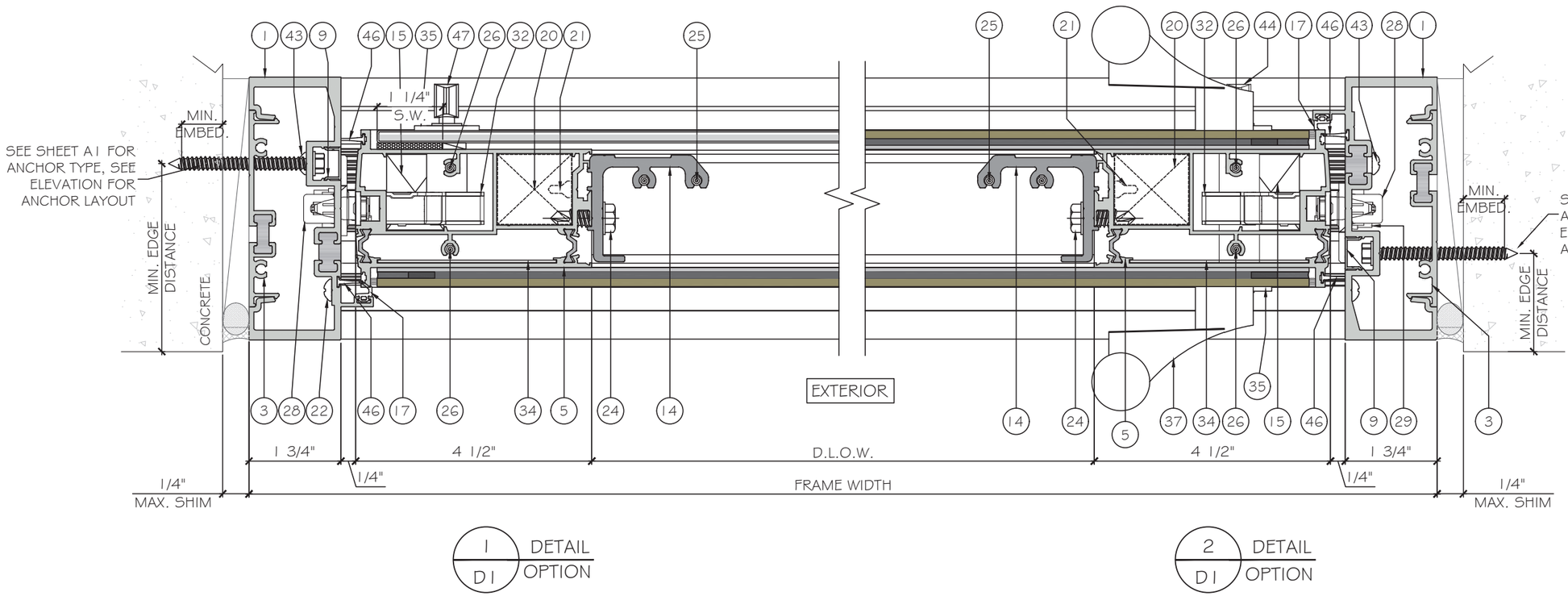
A1

Sheet No.
4 OF 11





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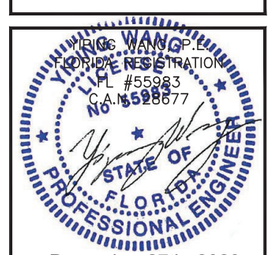

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D1

Sheet No.
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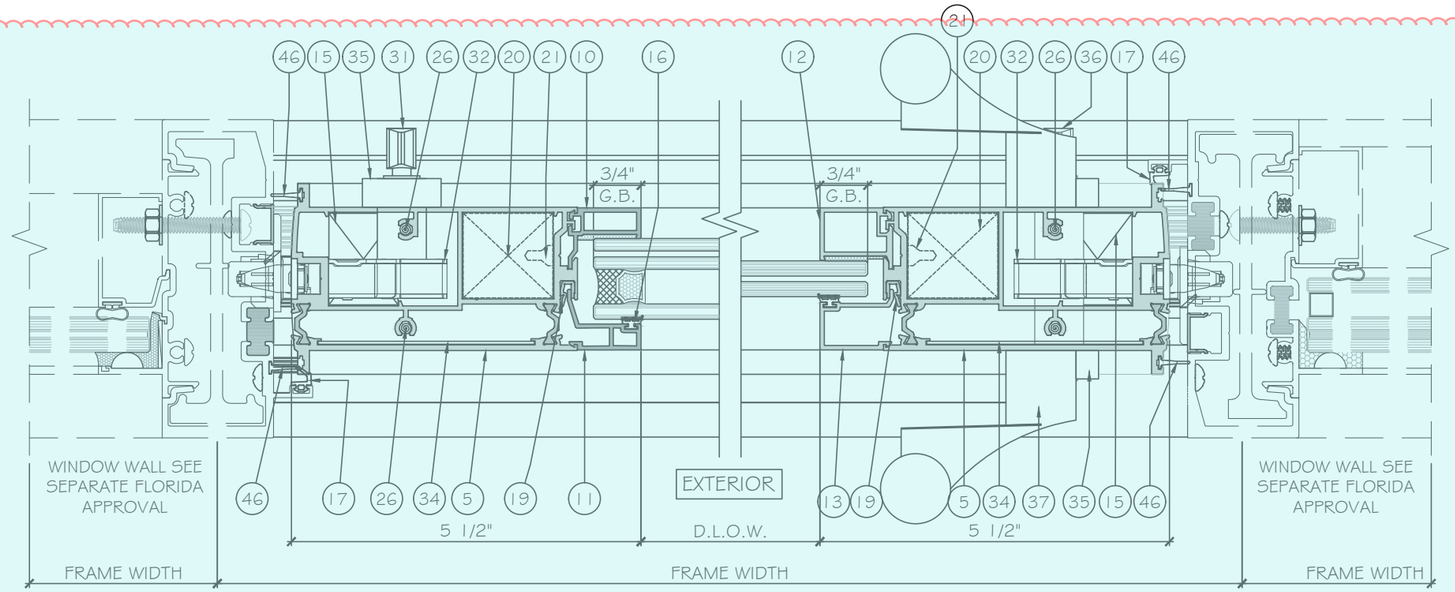

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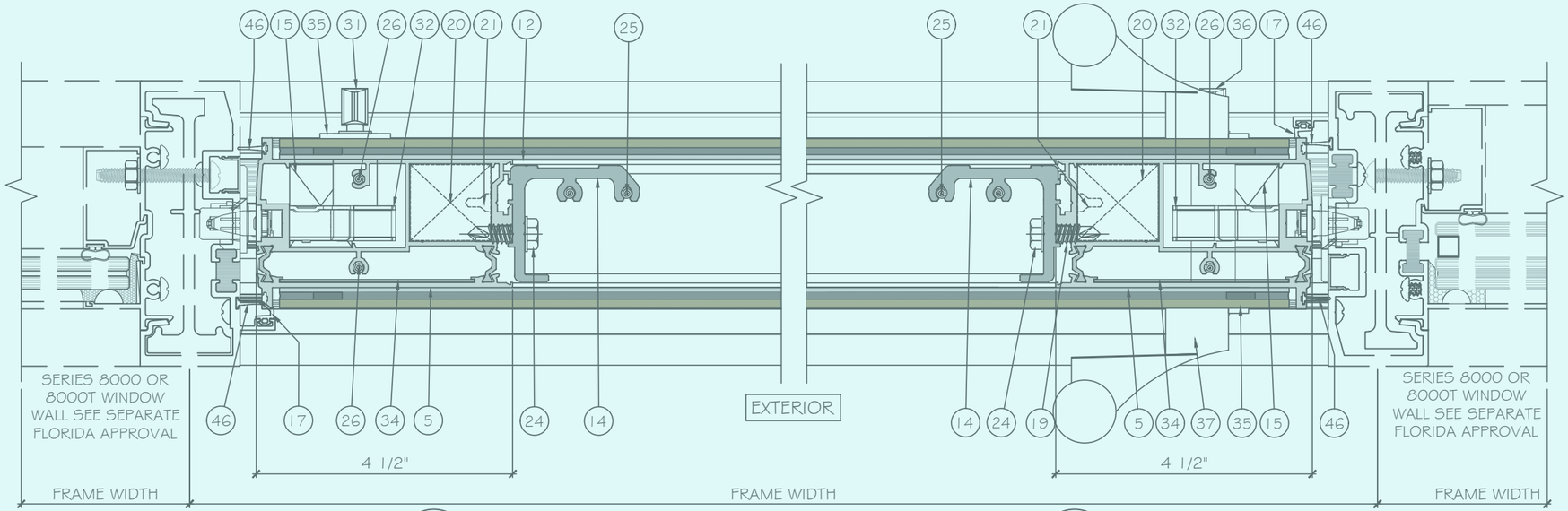
2 / D2 DETAIL



1 / D2 DETAIL OPTION

2 / D2 DETAIL OPTION

FLORIDA APPROVAL:

FL # 41358.1

YING WANG, P.E.
FLORIDA REGISTRATION
LIC. #55983
C.A. #28677

STATE OF FLORIDA PROFESSIONAL ENGINEER

December 27th, 2023

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

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

E.S. WINDOWS, INC.

10633 NE QUAYBRIDGE CT.
MIAMI, FL33138
TEL.(305) 624-7775

Rev. No.	Date	Drawn By	Description
R3	12.06.2023	James	UPDATE TO FBC 2023

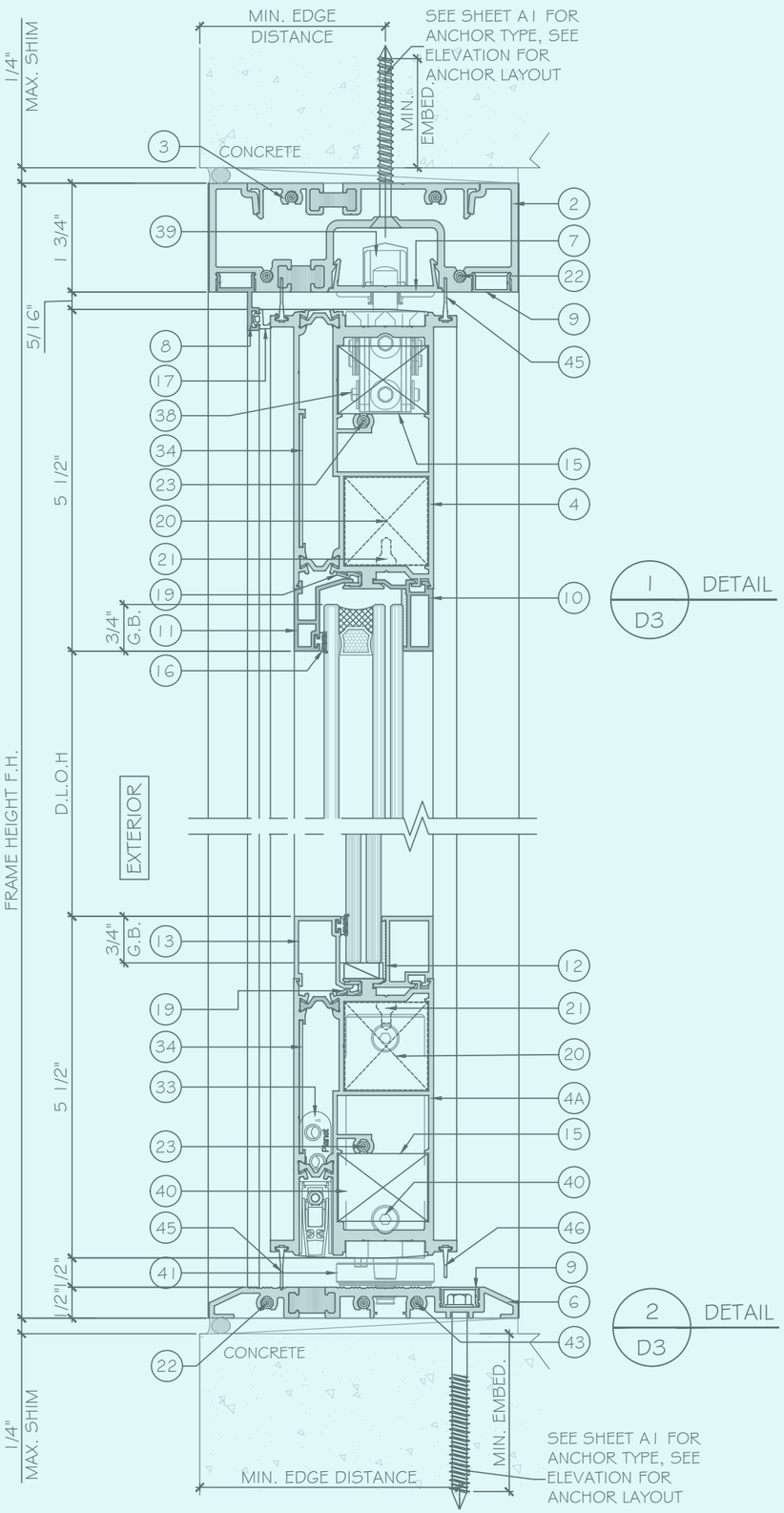
Drawn Date 12.06.2023

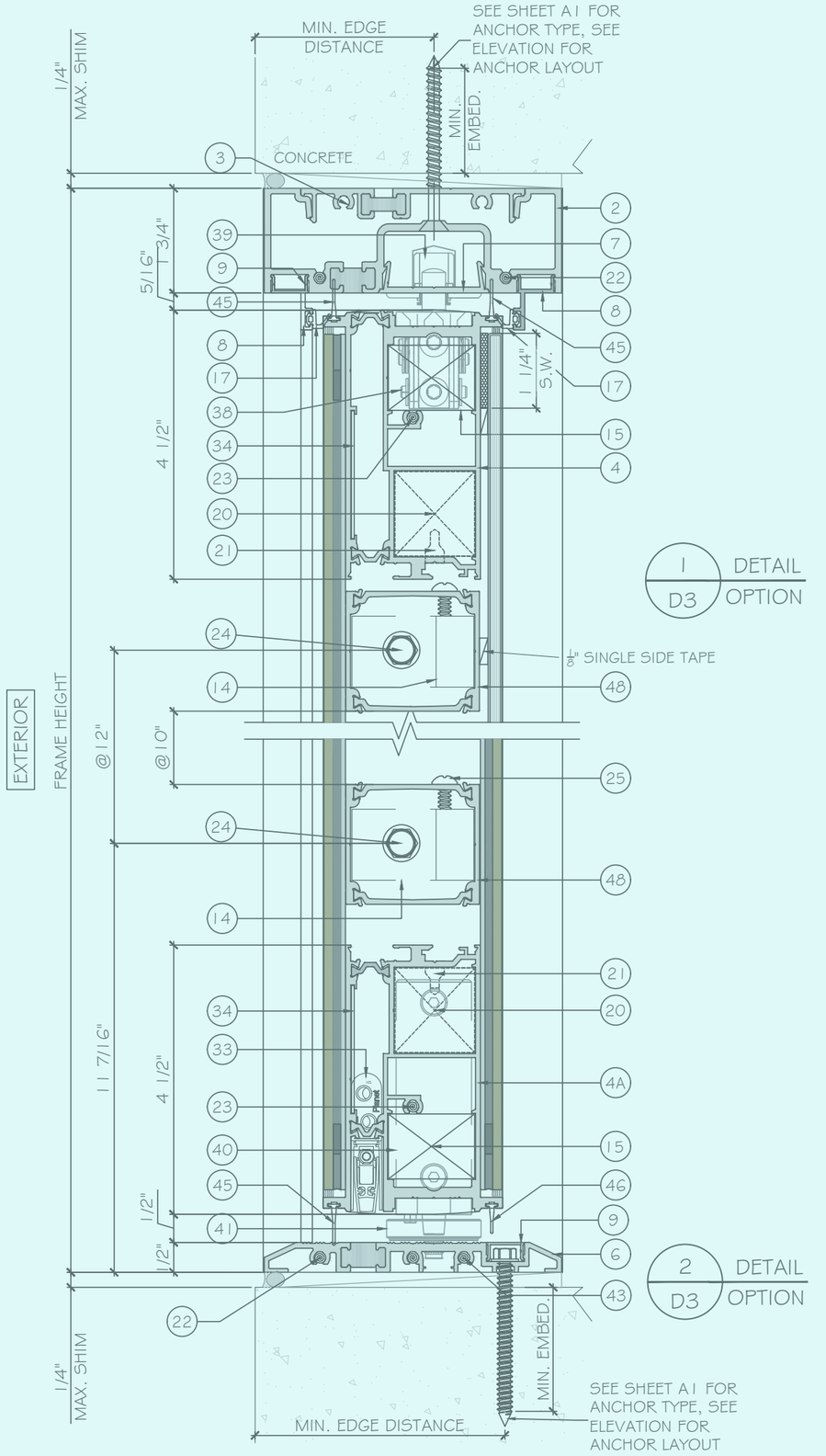
Drawn By James

DRAWING NO. AD22 - 07

D2

Sheet No. 6 OF 11





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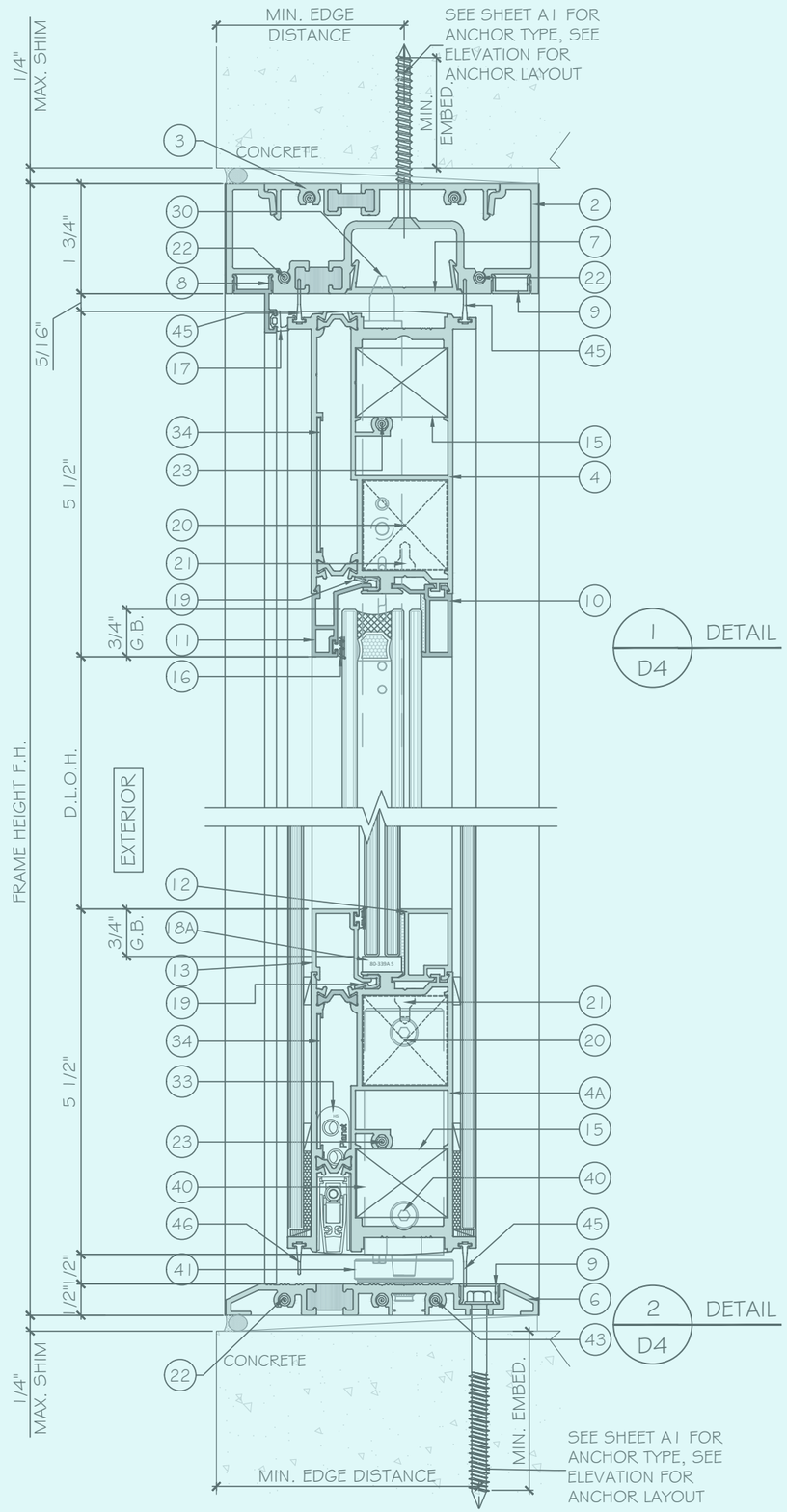
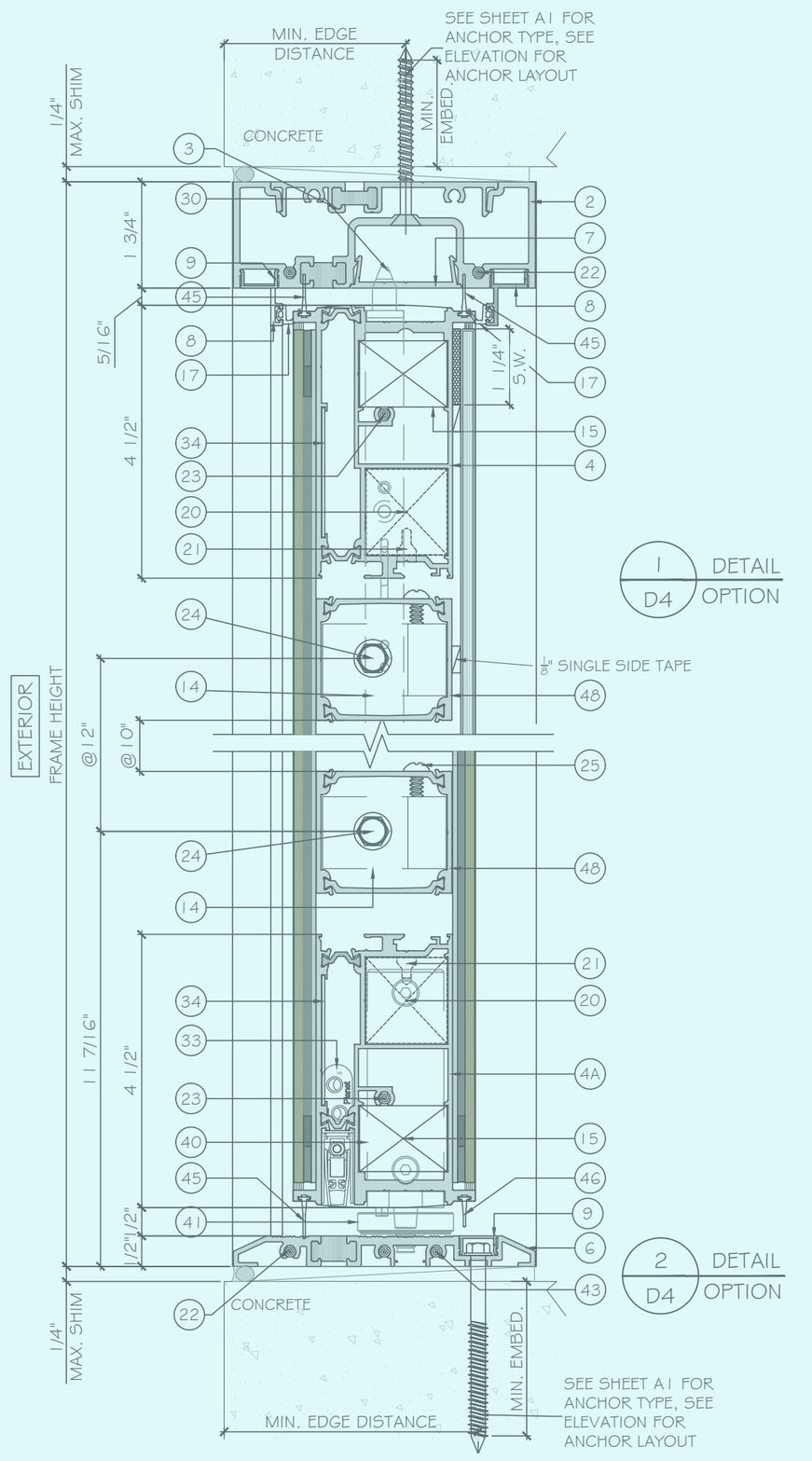
Drawn Date: 12.06.2023
Drawn By: James

DRAWING NO.
AD22-07

D3

Sheet No.
7 OF 11





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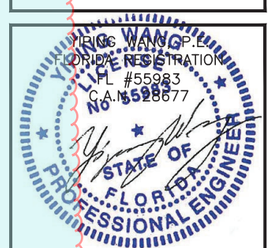

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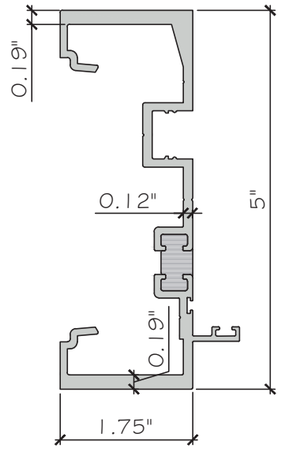

1 FRAME JAMB
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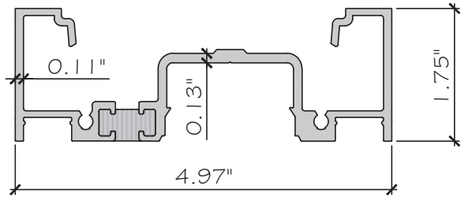
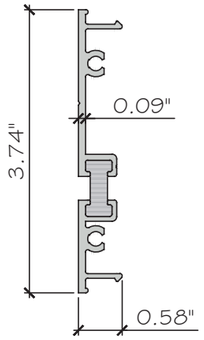
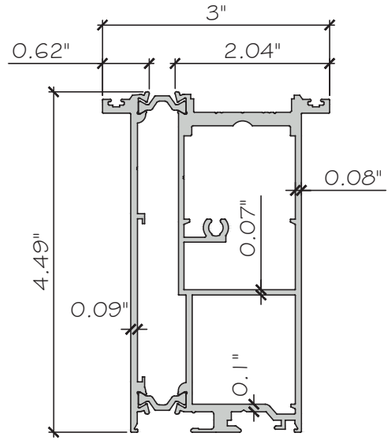
ALUM.6005-T5



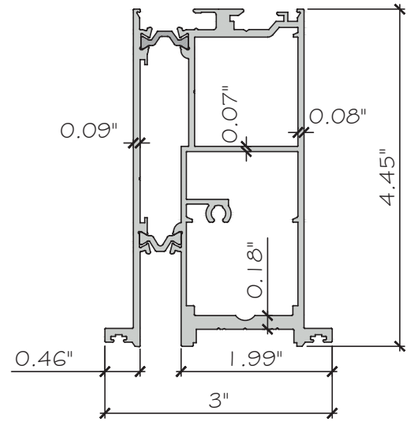
2 FRAME HEAD
ES-PSD5030T-002T
ALUM.6005-T5



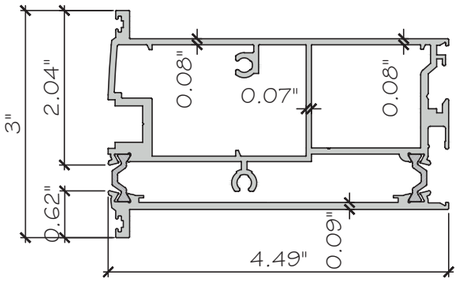
3 SHEAR CLIP
ES-8000T-003T
ALUM.6063-T6



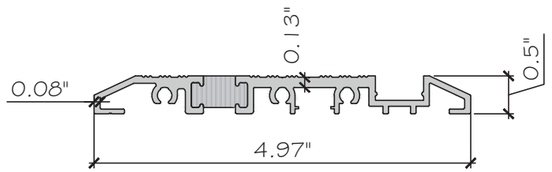
4 LEAF TOP 029 FRONT + 008 BACK
ES-PSD5030T-502
ALUM.6063-T6



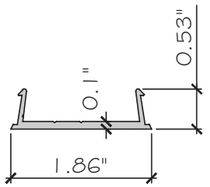
4A LEAF BOTTOM 009 FRONT + 010 BACK
ES-PSD5030T-503
ALUM.6063-T6



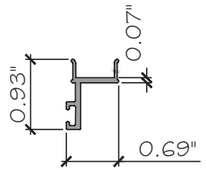
LEAF STILE 006 FRONT
+ 007 BACK
5 ES-PSD5030T-501
ALUM.6063-T6



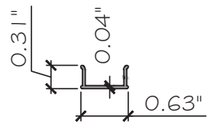
6 THRESHOLD
ES-PSD5030T-005T
ALUM.6063-T6



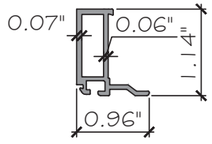
7 HEAD COVER
ES-PSD5030T-003
ALUM.6063-T5



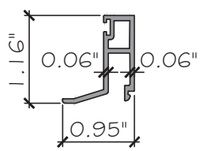
8 DOOR STOP
ES-PSD5030T-004
ALUM.6063-T5



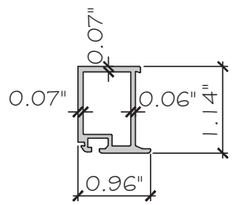
9 JAMB SCREW COVER
ES-EL114
ALUM.6063-T6



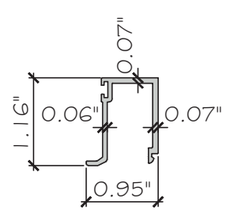
10 INTERIOR GLASS STOP
ES-PSD5030T-012
ALUM.6063-T5



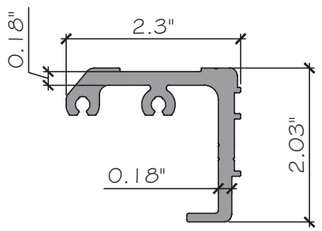
11 EXTERIOR GLASS STOP
ES-PSD5030T-011
ALUM.6063-T5



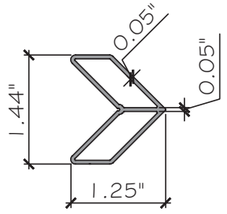
12 INTERIOR GLASS STOP
ES-PSD5030T-016
ALUM.6063-T5



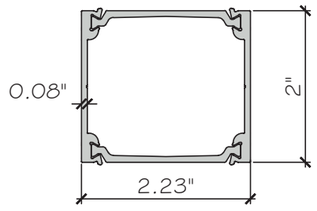
13 EXTERIOR GLASS STOP
ES-PSD5030T-015
ALUM.6063-T5



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



15 CORNER KEY
ES-45T-011
ALUM.6063-T5



INTERMEDIATE PANELS
48 020 FRONT + 020 BACK
ES-PSD5030T-504
ALUM.6063-T6

FLORIDA APPROVAL:
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YONG WANG P.E.
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LIC. #55983
C.A.No. 28677
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PROFESSIONAL ENGINEER
December 27th, 2023

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

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

E.S. WINDOWS, INC.
10653 NE QUAYBRIDGE CT.
MIAMI, FL33138
TEL.(305) 624-7775

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AD22-07

PART

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BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL
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
29	3478750 - FSB 3630-03-24Q/41 KEEPER	STRIKER	STAINLESS STEEL
30	3145903 - 7029 SHOOTBOLT	SHOOTBOLT BOTTOM	STAINLESS STEEL
31	DL01-6259-* CYLINDER 40/10 TURN BR	CYLINDER 40/10	BRASS
32	3492553 - AS2600 MULTIPONT LOCK	LOCK	STAINLESS STEEL

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BILL OF MATERIALS

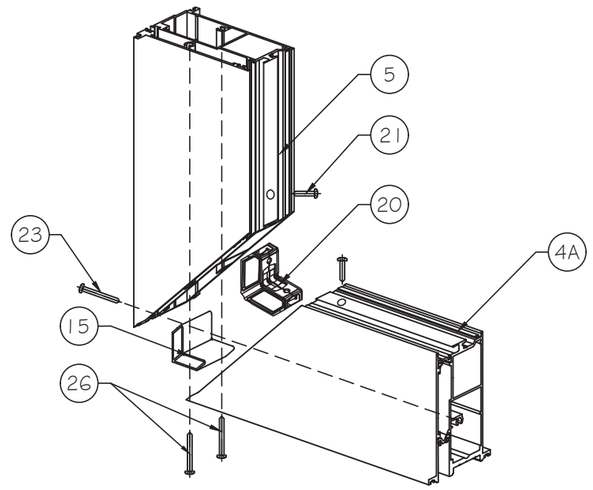
ITEM	PART	DESCRIPTION	MATERIAL
32	3492553 - AS2600 MULTIPONT LOCK	LOCK	STAINLESS STEEL
33	PLANET HS DROP SEAL	DROP SEAL	STAINLESS STEEL
34	ESC-004 ES-PSD5030T-E01	ESC-004 ES-PSD5030T-E01	-
35	PS01-6208-* ROSE COVER	COVER CYLINDER	STAINLESS STEEL
36	DL01-6253-* CYLINDER 40/40 TURN/KEY	CYLINDER	BRASS
37	SHPRO316OLPNS6012S0 DOOR THICK 2 1/4"	PULL-PULL	AISI 316 STAINLESS STEEL
38	600532*- SYSTEM M32	TOP PIVOT	STAINLESS STEEL
39		CEILING PLATE	STAINLESS STEEL
40		SYSTEM M	STAINLESS STEEL
41		FLOOR PLATE	STAINLESS STEEL
42	600101/B11 - SYSTEM ONE - SS	SYSTEM ONE HINGE SYSTEM KIT	STAINLESS STEEL
43	TOR #12 x 1 1/2" P.H. S.M.S. ST/ST	FOR ASSEMBLY (ES-8000 FRAME)	STAINLESS STEEL
44	DL01-6200-* CYLIND 45/45 TURN/KEY BR	CYLIND 45/45 FOR PANELEX	BRASS
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
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

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

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