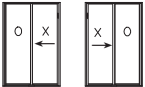


GLOBAL PERFORMANCE WINDOWS, INC.
SERIES EUSA SD-20
ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT

GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION 2023, INCLUDING THE REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
2. THIS PRODUCT IS AN ALUMINUM SLIDING GLASS DOOR, LARGE MISSILE IMPACT RESISTANT. SHUTTERS ARE NOT REQUIRED.
3. THIS APPROVAL APPLIES TO TWO SLIDING GLASS DOOR SYSTEMS. SYSTEM 1 (HEAVY DUTY INTERLOCK) AND SYSTEM 2 (STANDARD INTERLOCK) (REFER TO SHEET E1 & E3 FOR SYSTEM TYPES, SIZES & CONFIGURATIONS, AND SIZES VS. DESIGN PRESSURES). EACH SYSTEM IS APPROVED WITH THE FOLLOWING CONFIGURATIONS:

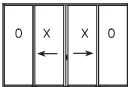
2 PANEL DOOR, XO OR OX



3 PANELS DOOR, OXO RIGHT OR OXO LEFT



4 PANEL DOOR, OXXO



4. THIS SLIDING GLASS DOOR MAY BE USED IN CONJUNCTION WITH LARGE MISSILE IMPACT RESISTANT MULLION OR LARGE MISSILE IMPACT WINDOW WALL SYSTEM THAT SHALL HAVE A SEPARATE VALID FLORIDA APPROVAL. THE LOWER ALLOWABLE PRESSURE BETWEEN THE MULLION OR THE WINDOW WALL SYSTEM AND THIS SLIDING GLASS DOOR SHALL APPLY TO THE ENTIRE SYSTEM. THE STRUCTURAL ADEQUACY OF THE INTERACTION AND ATTACHMENTS OF THE TWO SYSTEMS IS TO BE REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
5. DESIGN LOAD RATING FOR THIS PRODUCT TO BE AS PER CHART ON SHEET E1 & E3 FOR STANDARD (STD) AND HEAVY DUTY (HD) SYSTEM.
6. THE DESIGN LOADS OF THE LOCATION WHERE THE PRODUCT WILL BE USED MUST BE CERTIFIED BY A PROFESSIONAL ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR EACH SPECIFIC PROJECT.
7. ANCHORING OR LOADING CONDITIONS NOT SHOWN ON THE DETAILS HEREIN INCLUDED ARE NOT PART OF THIS APPROVAL.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY:

a. THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE INSTALLED TO ENSURE PROPER ANCHORAGE

b. THE PROJECT DESIGN CRITERIA AND APPLICABLE CODES AND ORDINANCES

c. THE ADEQUACY AND APPLICABILITY OF THIS APPROVAL.

9. ANCHORS SHALL BE AS LISTED IN THIS DOCUMENT AND SPACED AS INDICATED ON SHEETS E-1 & E3, D-1 AND D-2. LISTED EMBEDMENT SHALL BE BEYOND EXTERIOR OR INTERIOR FINISH OF SUBSTRATES.
10. ALUMINUM: ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY MINIMUM EXCEPT WHERE OTHERWISE INDICATED. PLEASE REFER TO SHEET BOM FOR BILL OF MATERIALS.
11. GLASS: SEE SHEET 03 & 05 FOR GLASS TYPES.
12. NOTE: 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.
13. 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.

APPROVAL USE INSTRUCTIONS

1. DETERMINE APPLICABLE PROJECT WIND LOADS AS PER FBC APPROVED METHODS.
2. SELECT SYSTEM 1 (HEAVY DUTY - HD) OR SYSTEM 2 (STANDARD - STD) PER APPLICABLE SIZE AND DESIGN PRESSURE WITH DESIRED GLASS TYPES.
3. SELECT REQUIRED ANCHORS AT HEAD & SILL ON SHEET D-1 TO MEET JOB REQUIRED LOAD.
4. ANCHOR AT JAMB, SEE E-1 FOR SPACING & D-2 FOR ANCHOR TYPES USED FOR CHOSEN SUBSTRATE.
5. WHEN THE DOOR IS CONNECTED TO A WINDOW SYSTEM (UNDER SEPARATE APPROVAL), THE LOWER ALLOWABLE PRESSURE BETWEEN THIS APPROVAL AND SEPARATE WINDOW APPROVAL SHALL CONTROL THE ALLOWABLE PRESSURE FOR THE ENTIRE OPENING. THIS CONDITION TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

DRAWINGS INDEX			
SHEET	TITLE	REV	DATE
01	C1 COVER SHEET	4	10.15.2025
02	E1 TYPICAL ELEVATION	4	10.15.2025
03	E2 GLAZING DETAILS/DOOR CONFIGURATIONS	4	10.15.2025
04	E3 TYPICAL ELEVATION	4	10.15.2025
05	E4 GLAZING DETAILS/DOOR CONFIGURATIONS	4	10.15.2025
06	D1 HEAD/SILL DETAILS	4	10.15.2025
07	D2 VERTICAL DETAILS	4	10.15.2025
08	D3 JAMB DETAILS	4	10.15.2025
09	D4 HEAD DETAILS	4	10.15.2025
10	D5 VERTICAL DETAILS	4	10.15.2025
11	EXTRUSIONS	4	10.15.2025
12	EXTRUSIONS	4	10.15.2025
13	BILL OF MATERIALS	4	10.15.2025
14	BILL OF MATERIALS	4	10.15.2025

LIMITATIONS OF USE

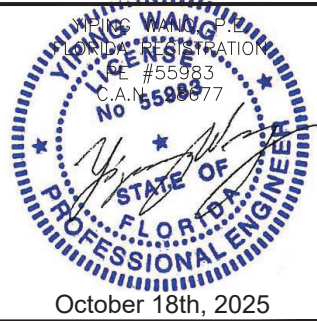
A-THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

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.



REVISIONS		NO.	DATE	DESCRIPTION
		3	10/14/2025	REVISION

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

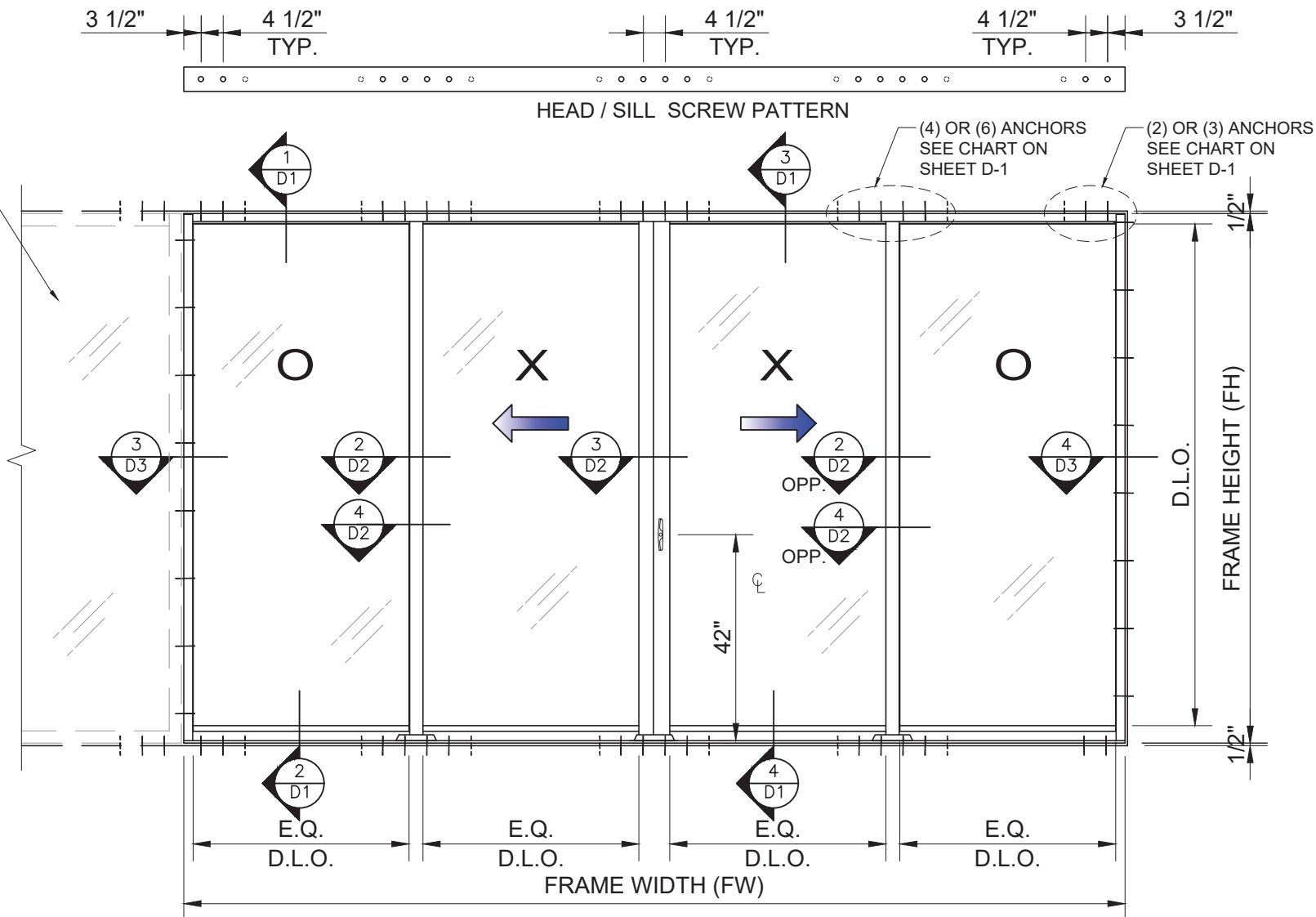
12781 MIRAMAR PARKWAY #301 P: 305.588.5224
MIRAMAR FL33027
www.MCYEngineering.com MCY@mcyengineering.com

SERIES EUSA-SD20 SLIDING GLASS DOOR (LMI)

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA
2115 S.W. 2ND STREET, POMPANO BEACH, FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

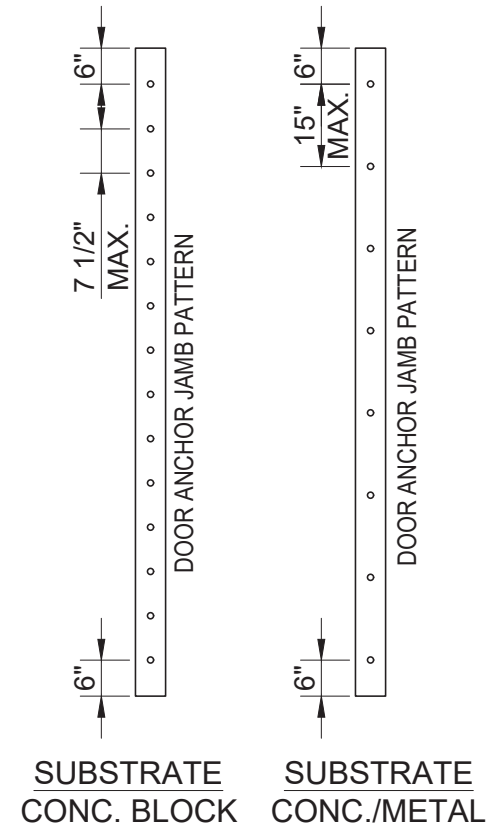
FL 17723.2	
DATE	10.14.2025
SCALE	AS NOTED
DRAWN	James
PROJECT	15-053
COVER	
DRAWING NO. AD15-39	
1 OF 14	

WINDOW WALL: WW3SG
OR WW20, INCLUDING
ANCHOR TYPE & LAYOUT,
ETC. SEE SEPARATE
FLORIDA APPROVAL.



TYPICAL ELEVATION (OXXO)

FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

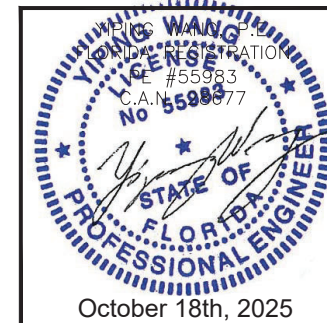


JAMB ANCHOR LAYOUT

	MAX. FRAME SIZE		CONFIG.	DESIGN LOAD (PSF)		GLASS TYPE
	FW(IN)	FH(IN)		EXT. (+)	INT. (-)	
SYSTEM 1 (HEAVY DUTY)	112"	120"	OX OR XO	100.0	100.0	G2
	168"		OXO	100.0	100.0	
	224"		OXXO	100.0	100.0	
	112"	120"	OX OR XO	120.0	130.0	G1
SYSTEM 2 (STANDARD)	168"		OXO	120.0	130.0	
	224"		OXXO	120.0	130.0	
	98.563"	108"	OX OR XO	100.0	100.0	G1/G3
	144"		OXO	100.0	100.0	
	192"		OXXO	100.0	100.0	

NOMINAL PANEL SIZE
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.375"

DLO SIZE:
DLO WIDTH = FIXED PANEL WIDTH - 3.8125"
DLO WIDTH = OPERABLE PANEL WIDTH - 6.1875"
DLO HEIGHT = FH - 5.6875"



NO.	DATE	DESCRIPTION	REVISION
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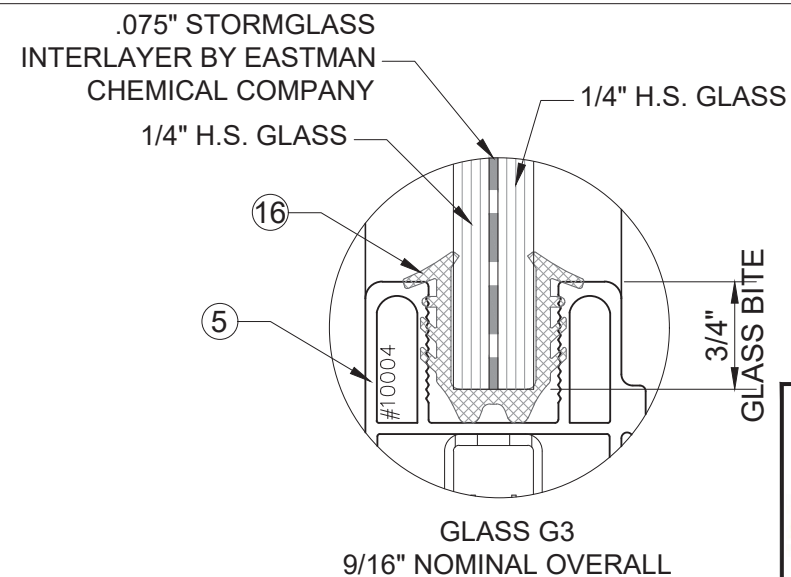
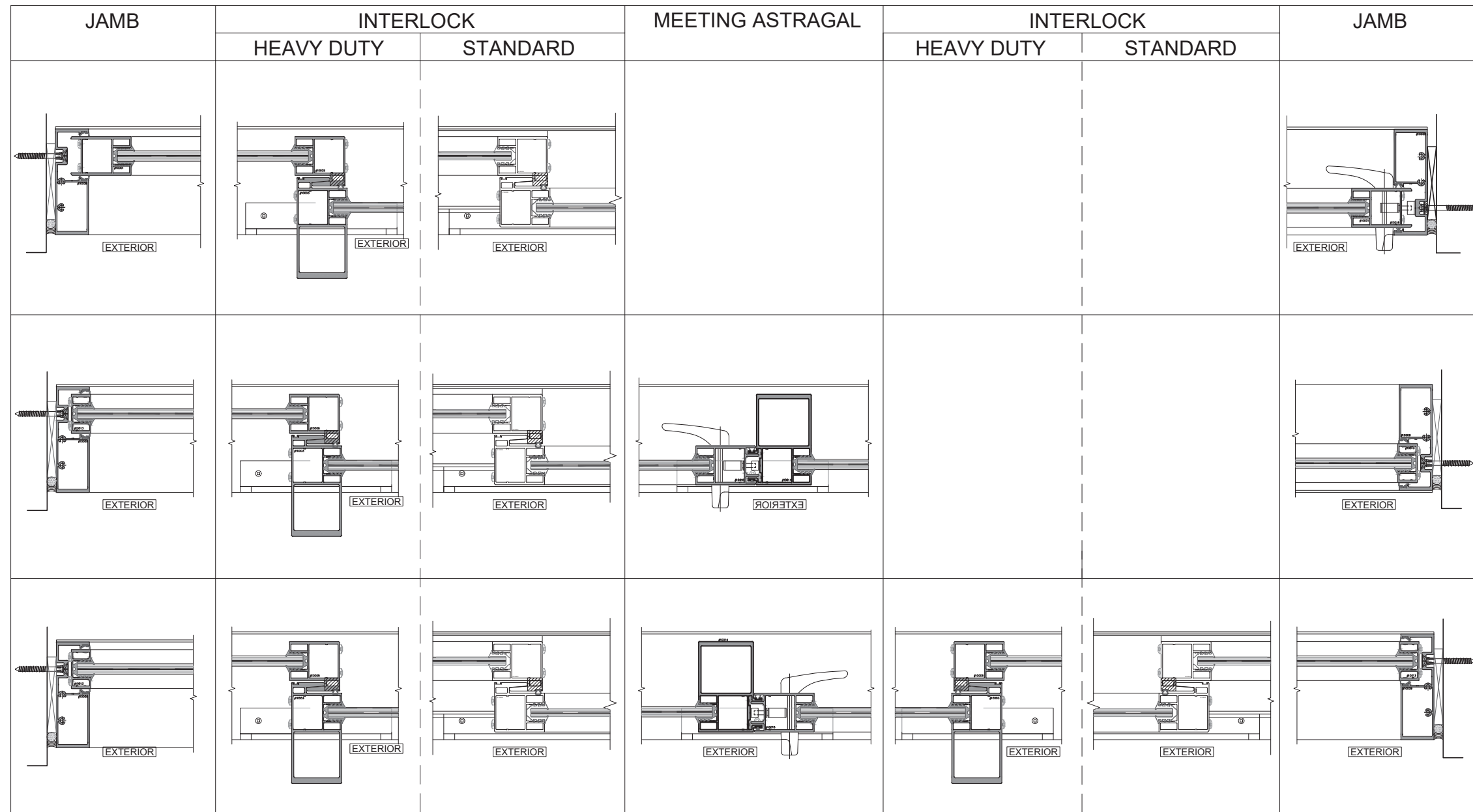
FL 17723.2

DATE	10.14.2025
SCALE	AS NOTED
DRAWN	James
PROJECT	15-053

E1

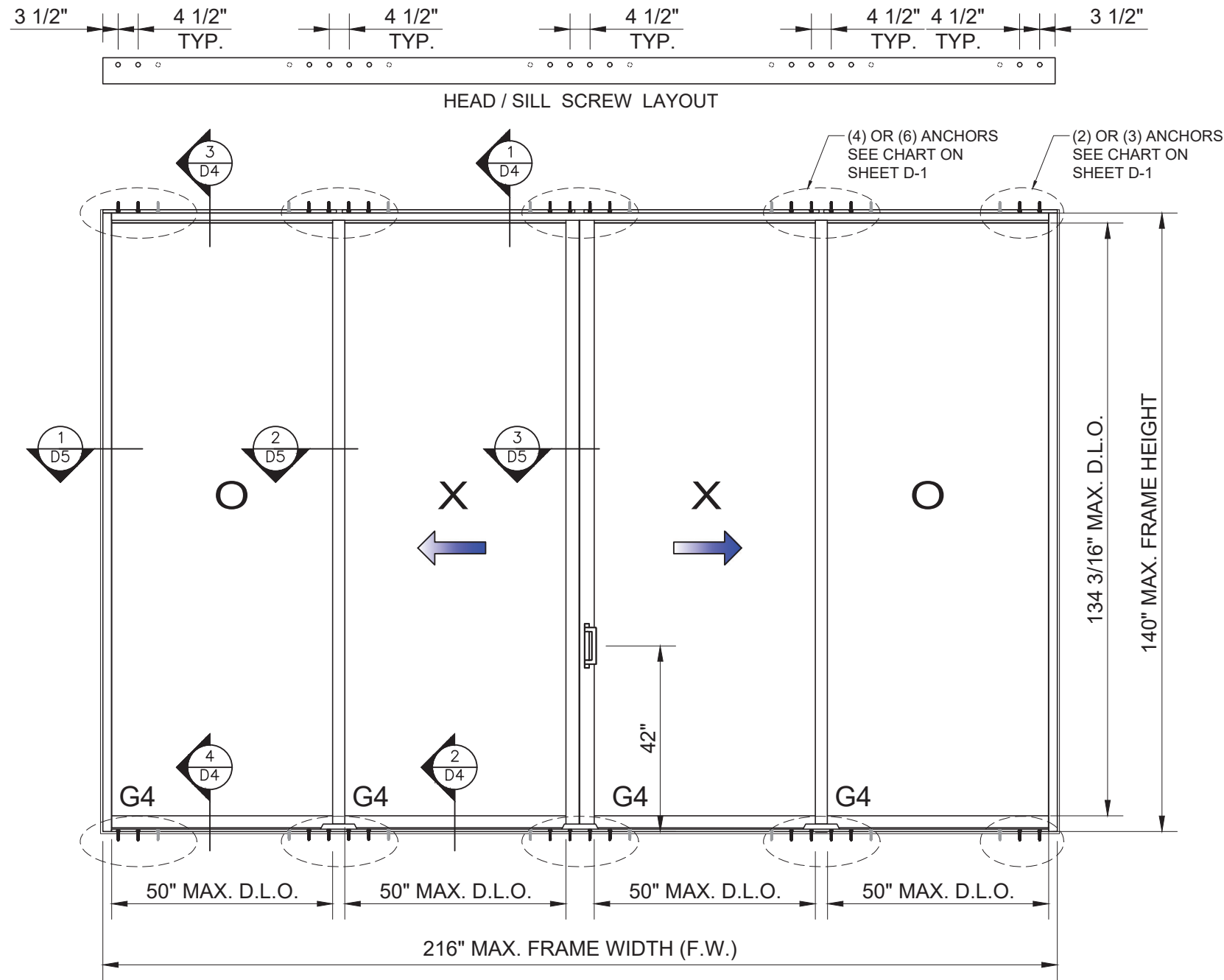
DRAWING NO.
AD15-39

2 OF 14



YIPING WANG, P.E.
 LICENSE REGISTRATION
 E #55983
 C.A.N. #5598377
 No 55983
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 October 18th, 2025

MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.588.5224 MIRAMAR FL 33027 www.MCYEngineering.com MCY@mcyengineering.com	
SERIES EUSA-SD20 SLIDING GLASS DOOR (LMI) GLOBAL PERFORMANCE WINDOWS, INC. DBA EPSYLON USA 2115 S.W. 2ND STREET, POMPAÑO BEACH, FL 33069 TEL.: (954) 942-3322 FAX: (954) 942-3215	
FL 17723.2	
DATE	10.14.2025
SCALE	AS NOTED
DRAWN	James
PROJECT	15-053
E2	
DRAWING NO.	
AD15-39	
3 OF 14	



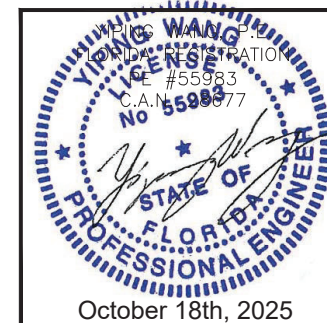
TYPICAL ELEVATION (OXXO)

FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

	MAX. FRAME		CONFIG.	MAX. DESIGN LOAD	
	WIDTH	HEIGHT		+ (PSF)	- (PSF)
	FW (in)	FH (in)			
SYSTEM 1 (HD)	109 1/16	140	OX, XO	90	90
	163 1/8	140	OXXO		
	216	140	OXXO		

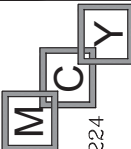
NOMINAL PANEL SIZE
PANEL WIDTH = FRAME WIDTH / NUMBER OF PANELS
PANEL HEIGHT = FRAME HEIGHT (FH) - 1.5"

DLO SIZE:
DLO WIDTH = FIXED PANEL WIDTH - 3.8125"
DLO WIDTH = OPERABLE PANEL WIDTH - 6.1875"
DLO HEIGHT = FH - 5.84"



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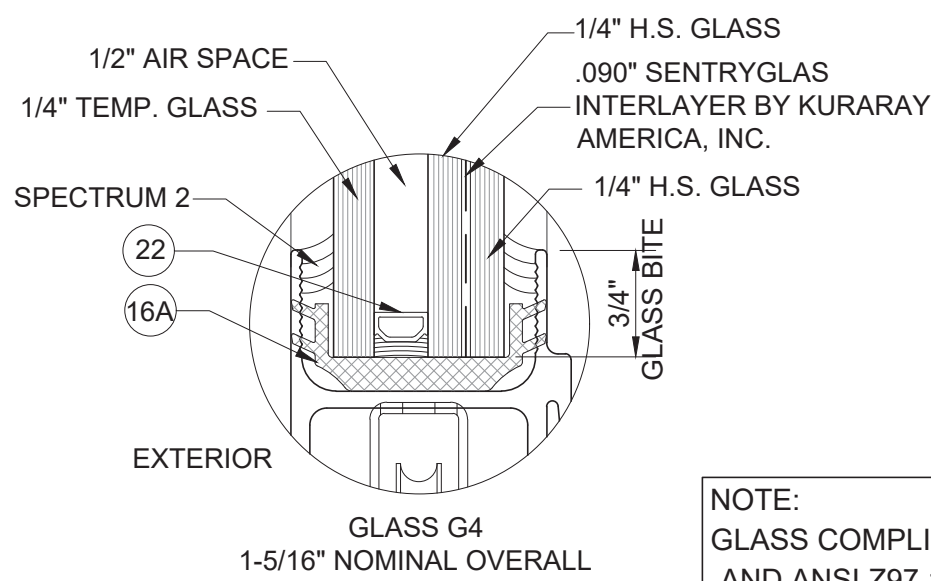
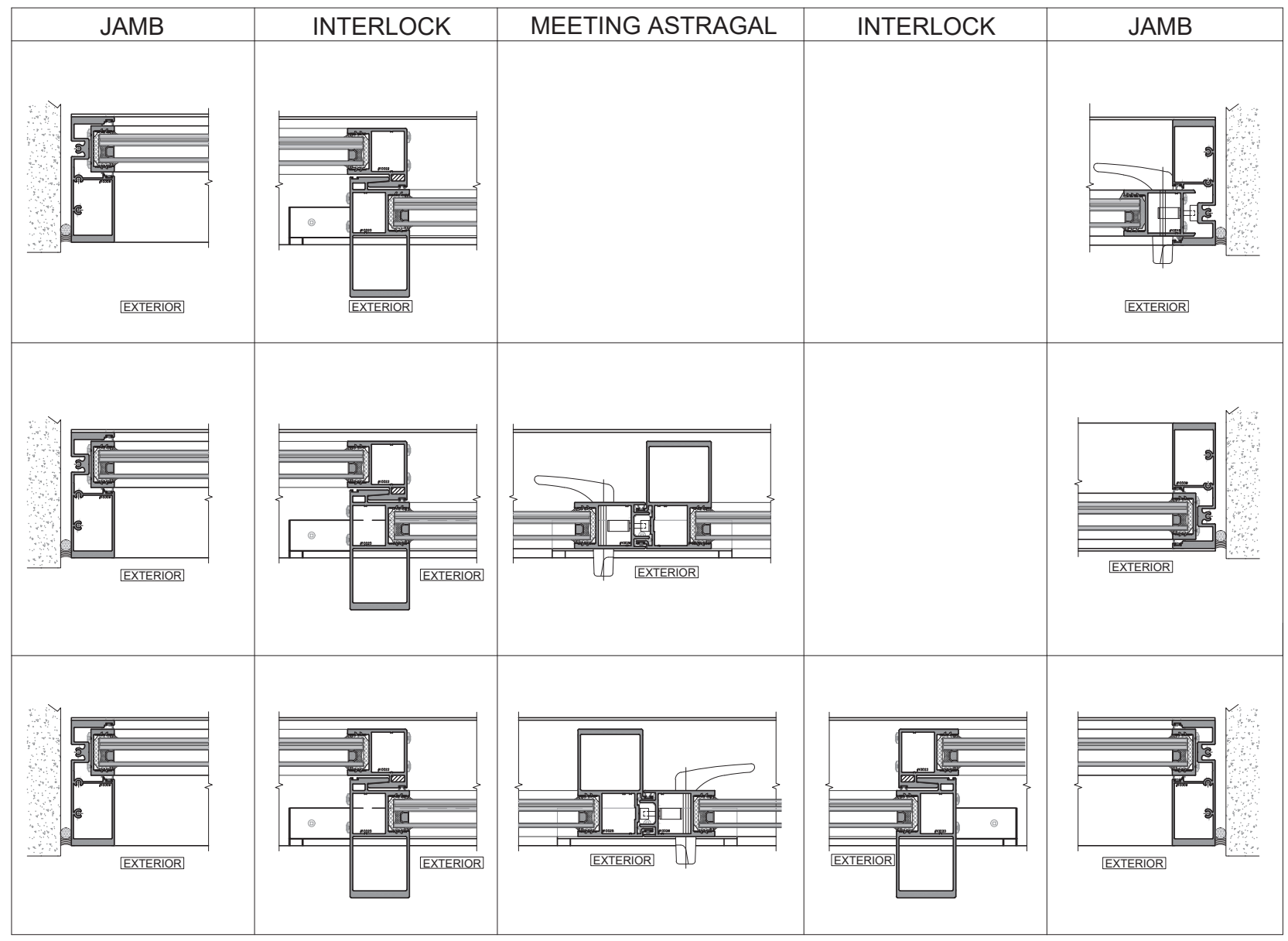
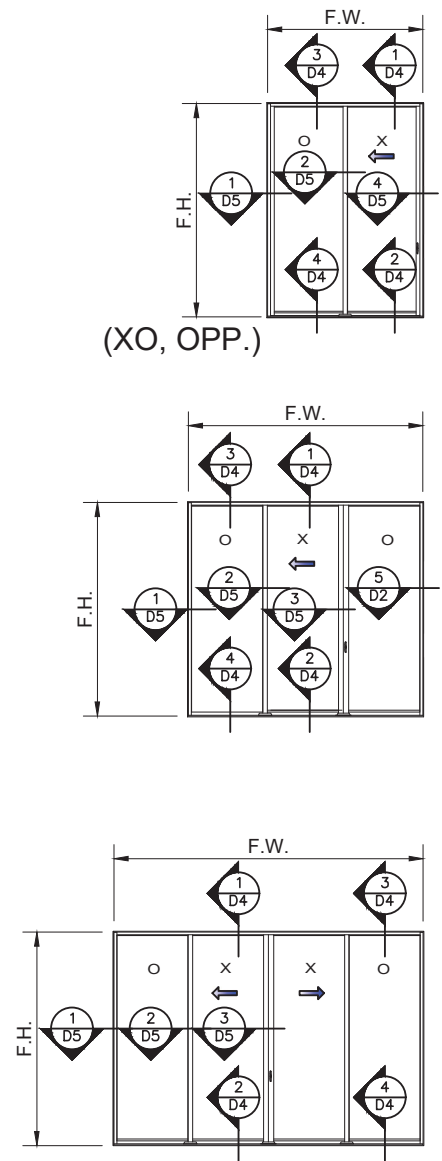
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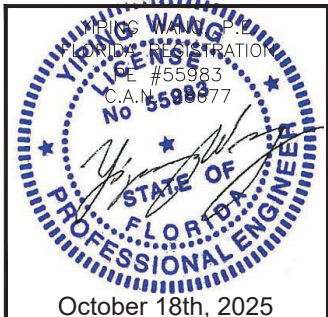
SERIES EUSA-SD20 SLIDING GLASS DOOR (LMI)

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2115 S.W. 2ND STREET, POMPANO BEACH, FL 33069
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PROJECT	15-053
E3	
DRAWING NO. AD15-39	
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NOTE:
GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS)
AND ANSI Z97.1.



REVISIONS		
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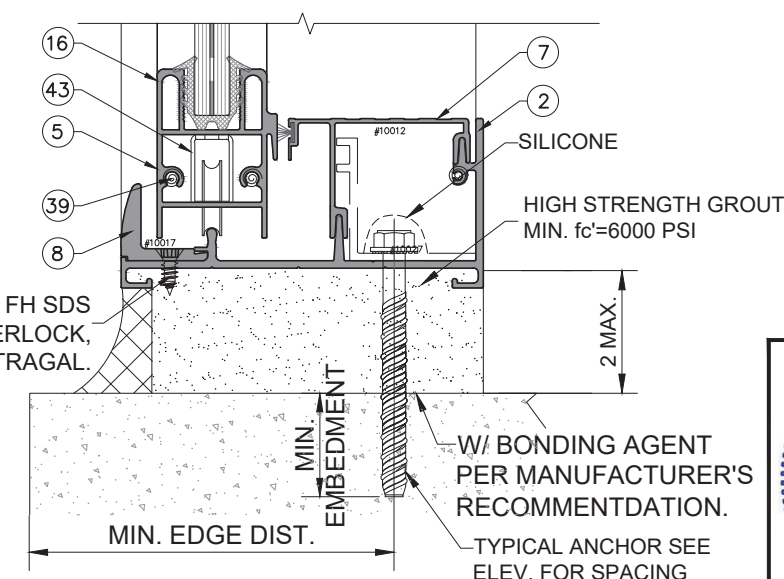
MCY ENGINEERING, INC.
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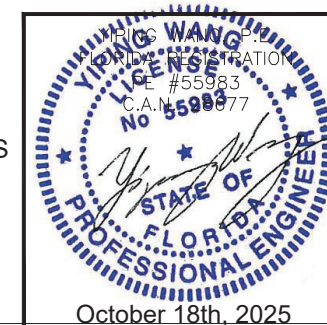
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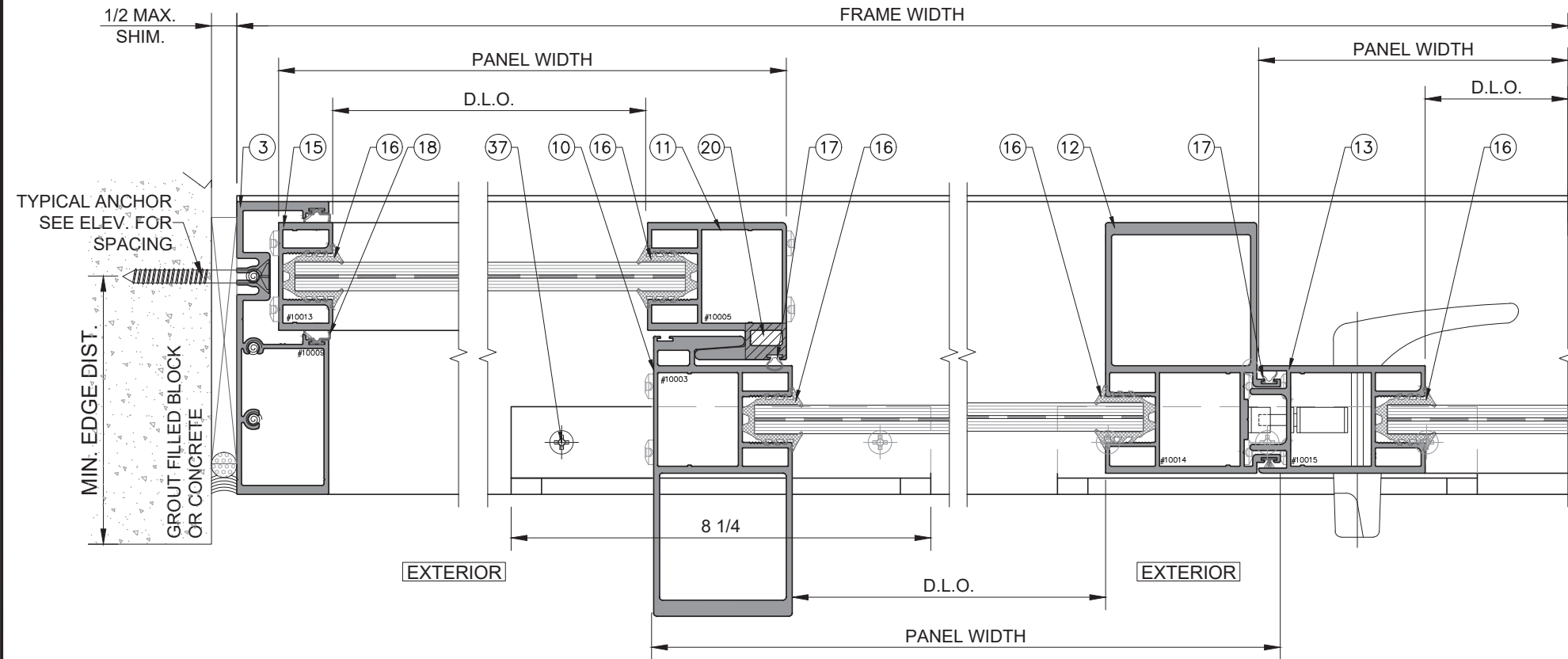
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E4	
DRAWING NO. AD15-39	
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SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS, INSTALLATION
FASTENERS AT SILL, AND PERIMETER GLAZING BEAD TO FRAME
SEALED WITH SPECTREM 2 SILICONE SEALANT.

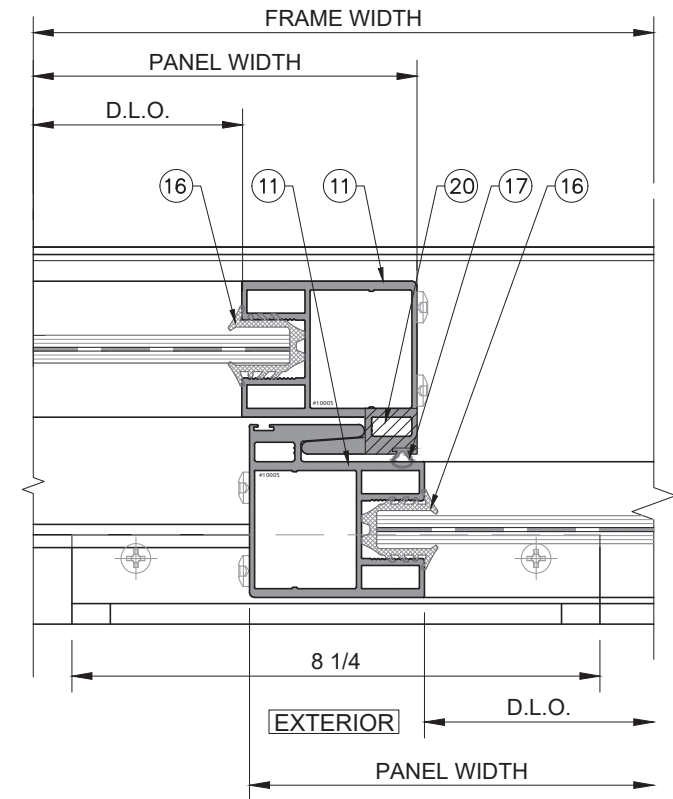
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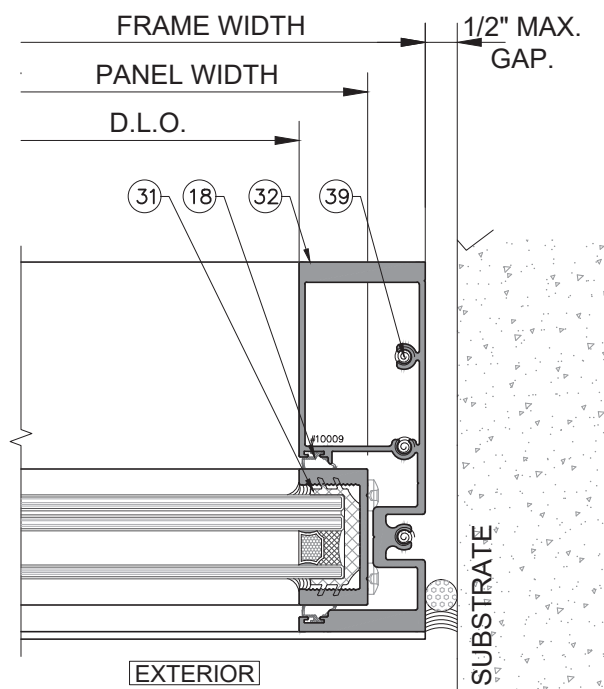
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D2

2 DETAIL
D2 HD INTERLOCK

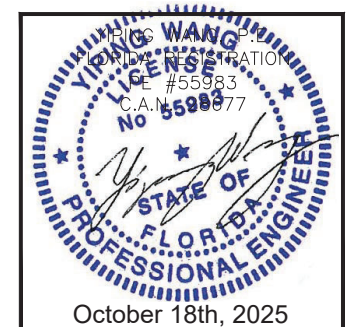
3 DETAIL
D2 HD/STD ASTRAGAL



4 DETAIL
D2 STD INTERLOCK



5 DETAIL
D2



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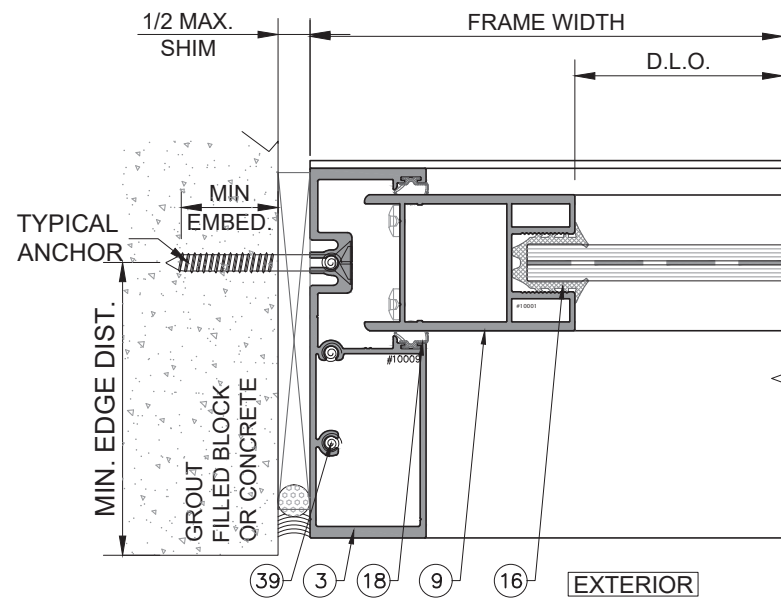
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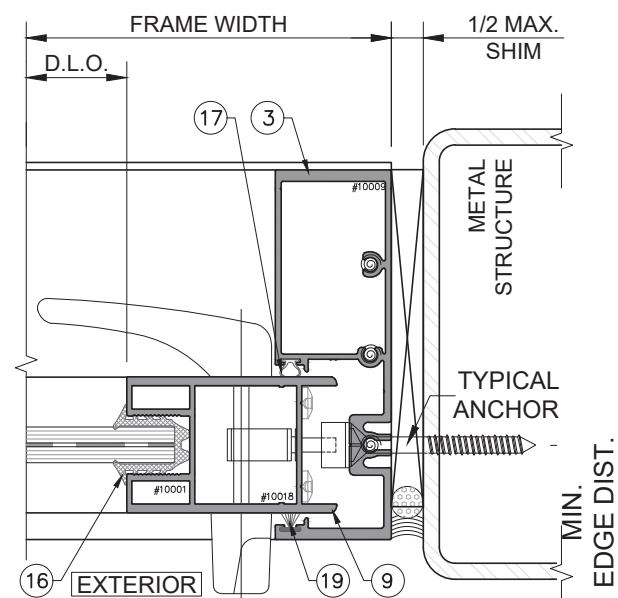
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DRAWING NO.
AD15-39

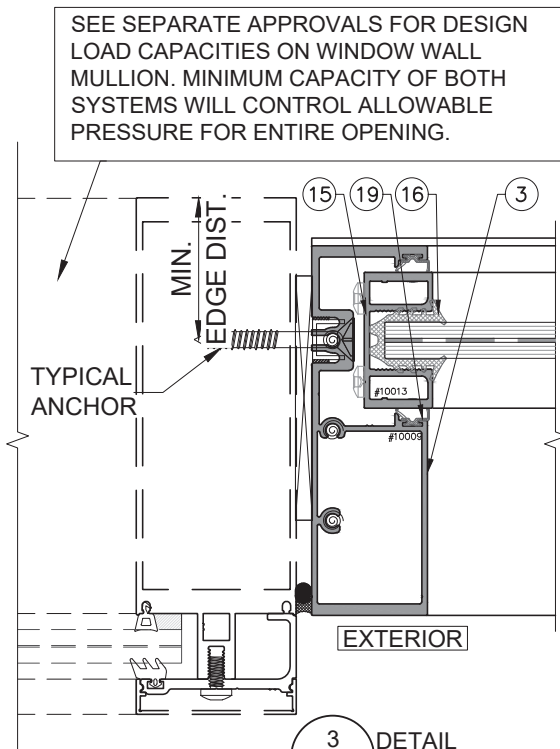
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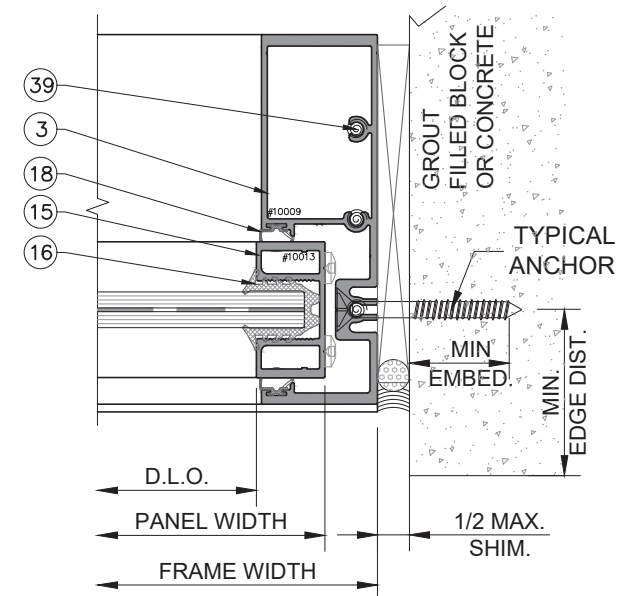
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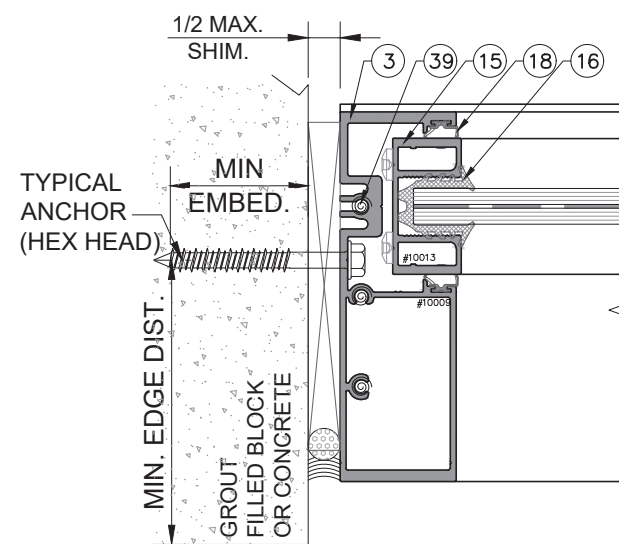
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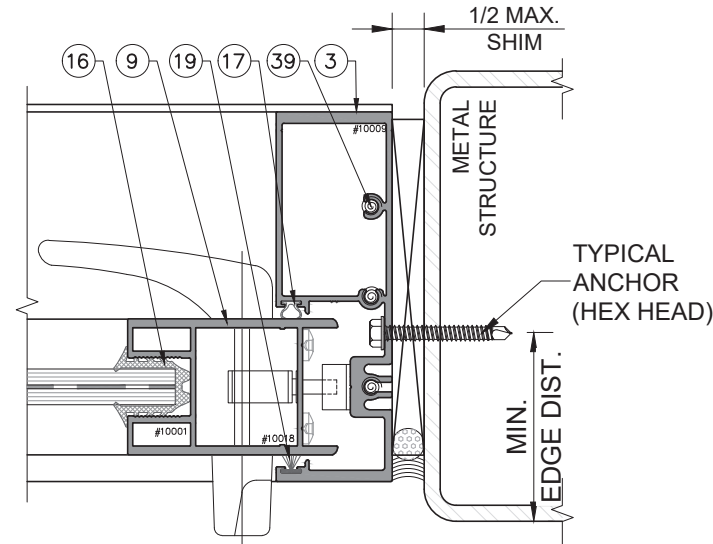
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DETAIL



4
D3
DETAIL



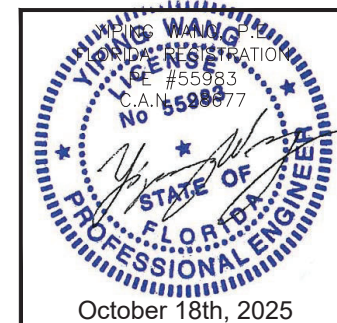
1
D3
DETAIL
OPTION



2
D3
DETAIL
OPTION

TYPICAL ANCHORS (FOR JAMB):
(SEE ELEVATION FOR TYPICAL SPACING)

- ANCHOR TYPE J1:
5/16" DEWALT ULTRAICON (Fy=155KSI, Fu=177KSI)
WITH 1-3/4" EMBEDMENT AND 3" EDGE DISTANCE
INTO CONCRETE (f_c=3000 PSI MIN.)
- ANCHOR TYPE J2:
5/16" DEWALT ULTRAICON (Fy=155KSI, Fu=177KSI)
WITH 1-3/4" EMBEDMENT AND 3" EDGE DISTANCE
INTO GROUT FILLED BLOCK (f_m=2000 PSI MIN.)
- ANCHOR TYPE J3:
5/16" DEWALT DRILFLEX (Fy=92KSI, Fu=120KSI)
INTO 0.090" THK. METAL STRUCTURE (STEEL
ASTM A36)



NO.	DATE	DESCRIPTION	REVISION
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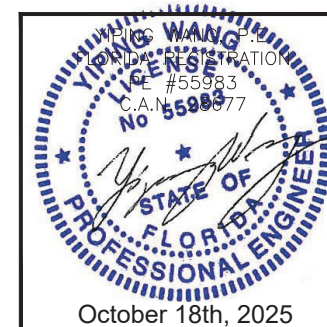
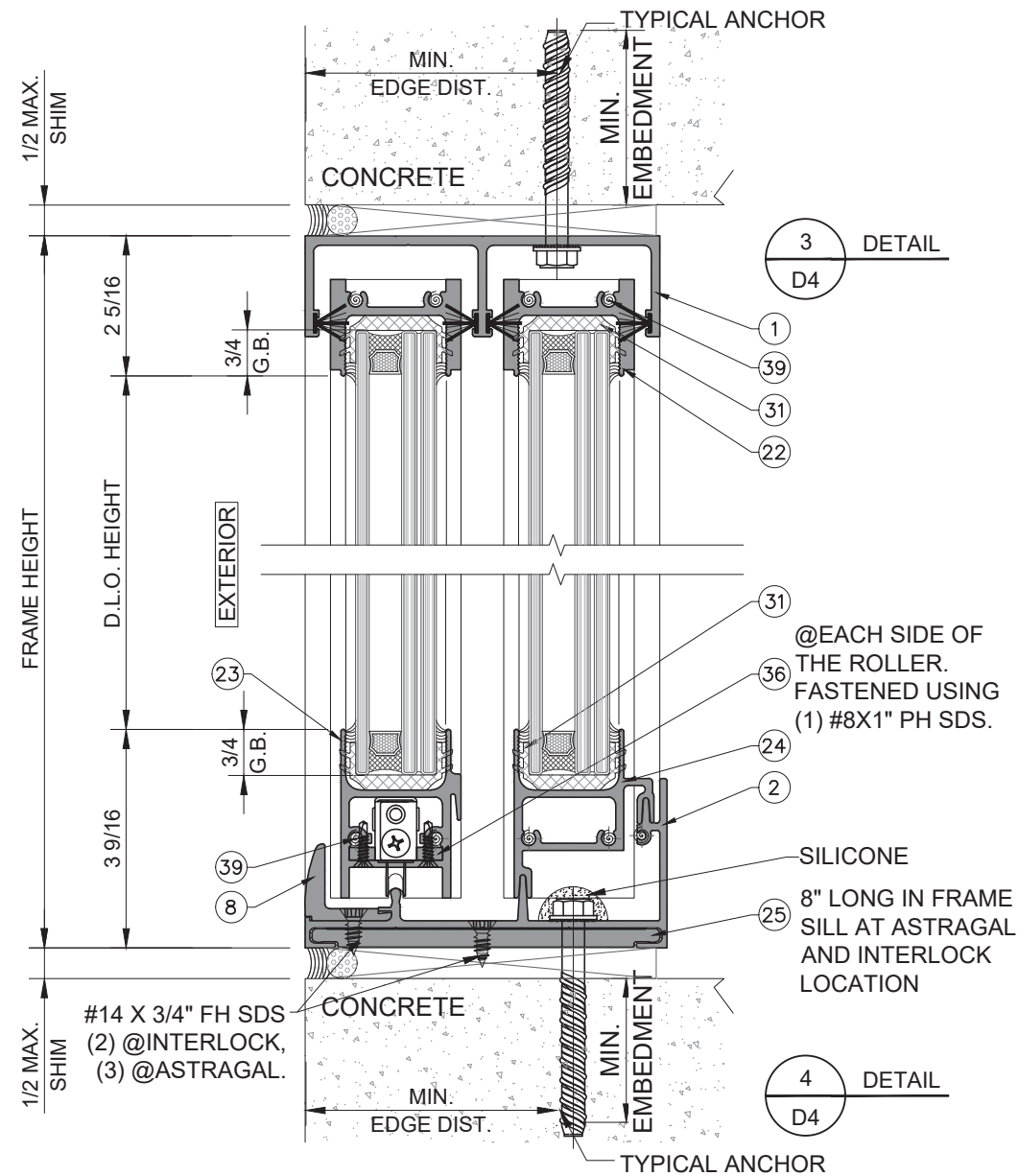
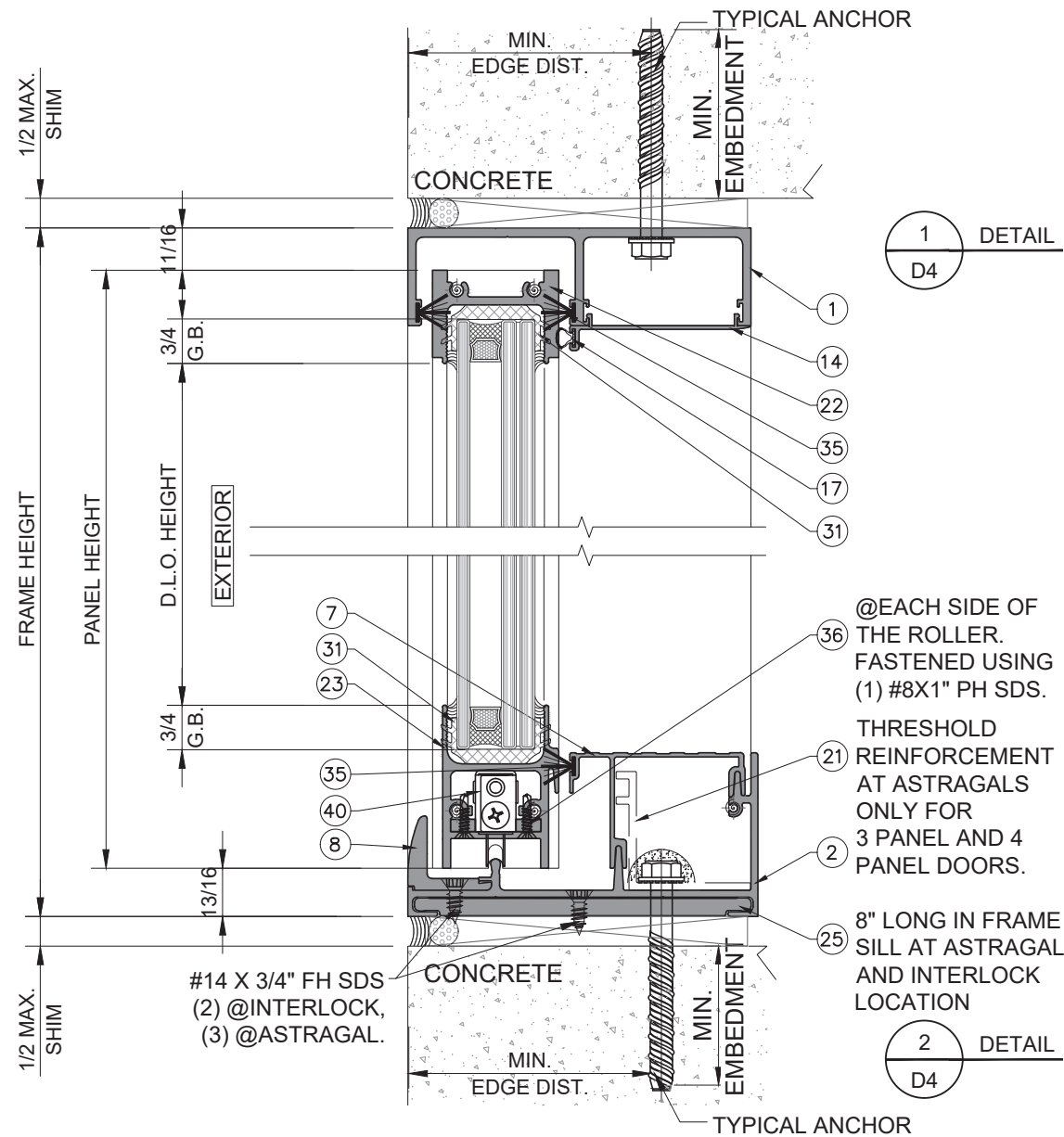
FL 17723.2

DATE	10.14.2025
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DRAWN	James
PROJECT	15-053

D3

DRAWING NO.
AD15-39

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NO.	DATE	DESCRIPTION
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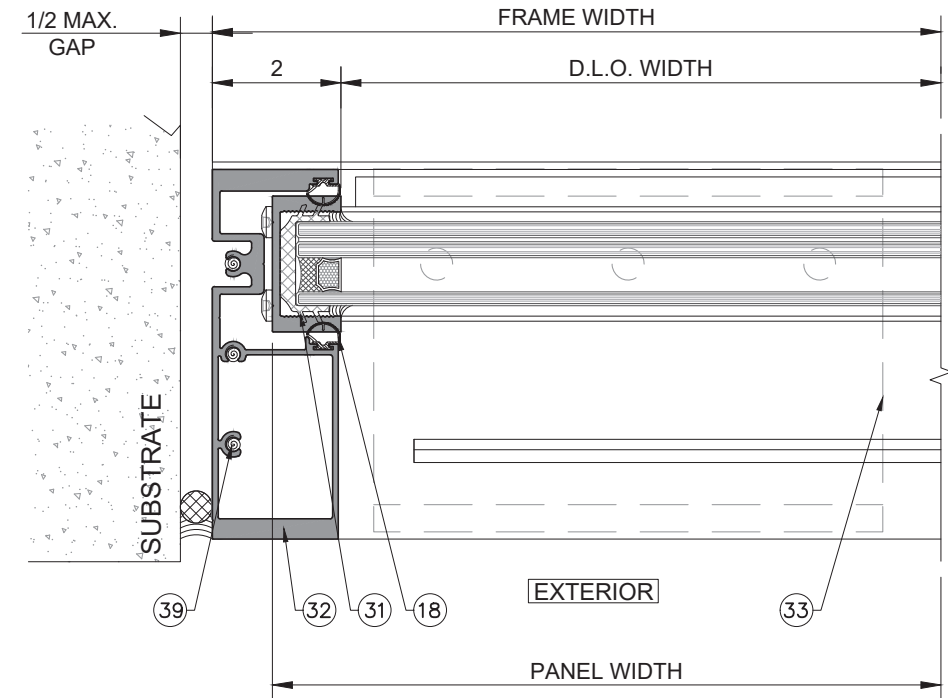
FL 17723.2

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DRAWN	James
PROJECT	15-053

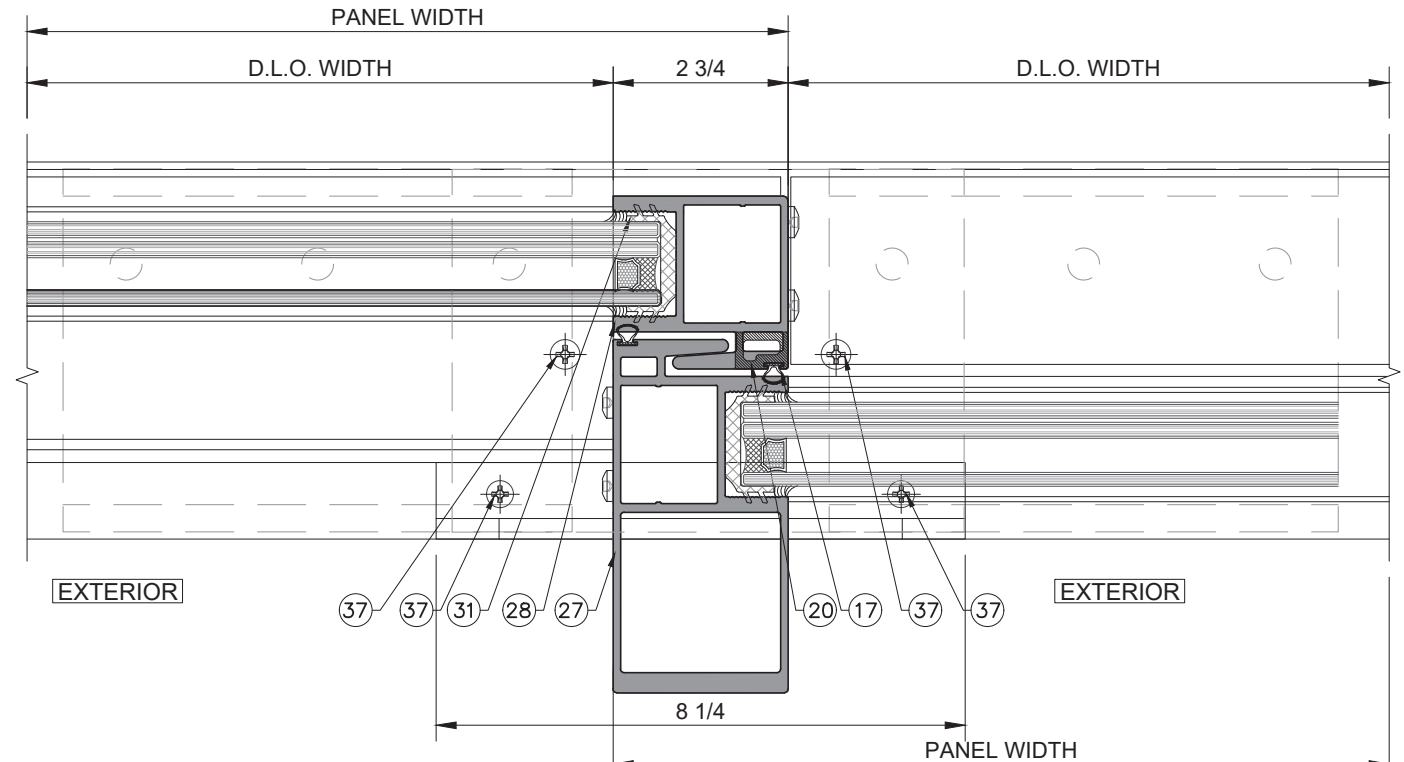
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DRAWING NO.
AD15-39

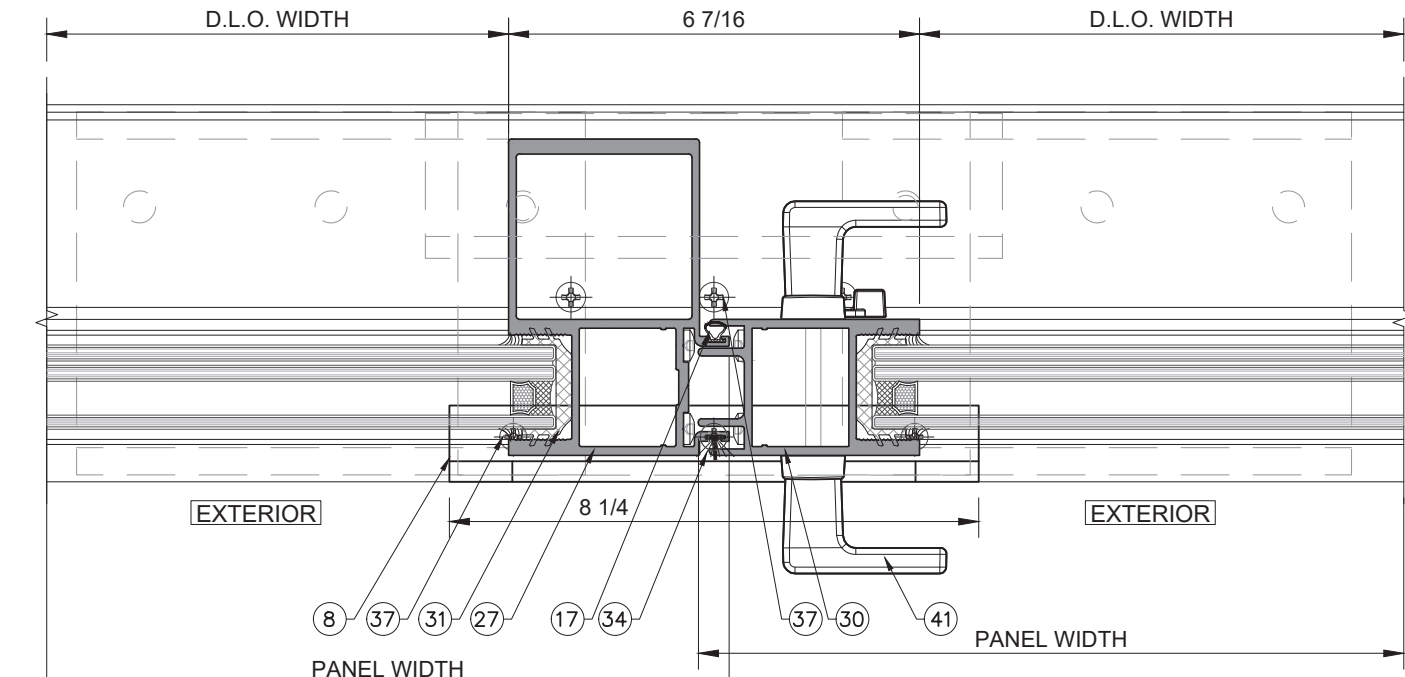
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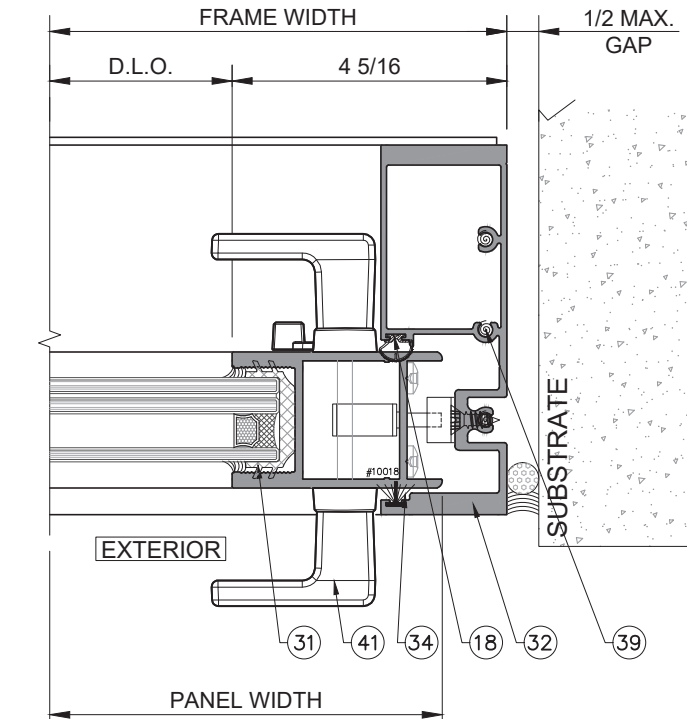
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D5
DETAIL



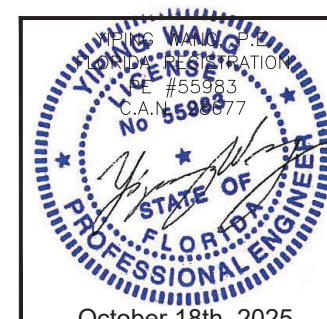
2
D5
DETAIL



3
D5
DETAIL



4
D5
DETAIL



NO.	DATE	DESCRIPTION
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MIRAMAR FL 33027
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SERIES EUSA-SD20 SLIDING GLASS DOOR (LMI)
GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA
2115 S.W. 2ND STREET, POMPAHO BEACH, FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

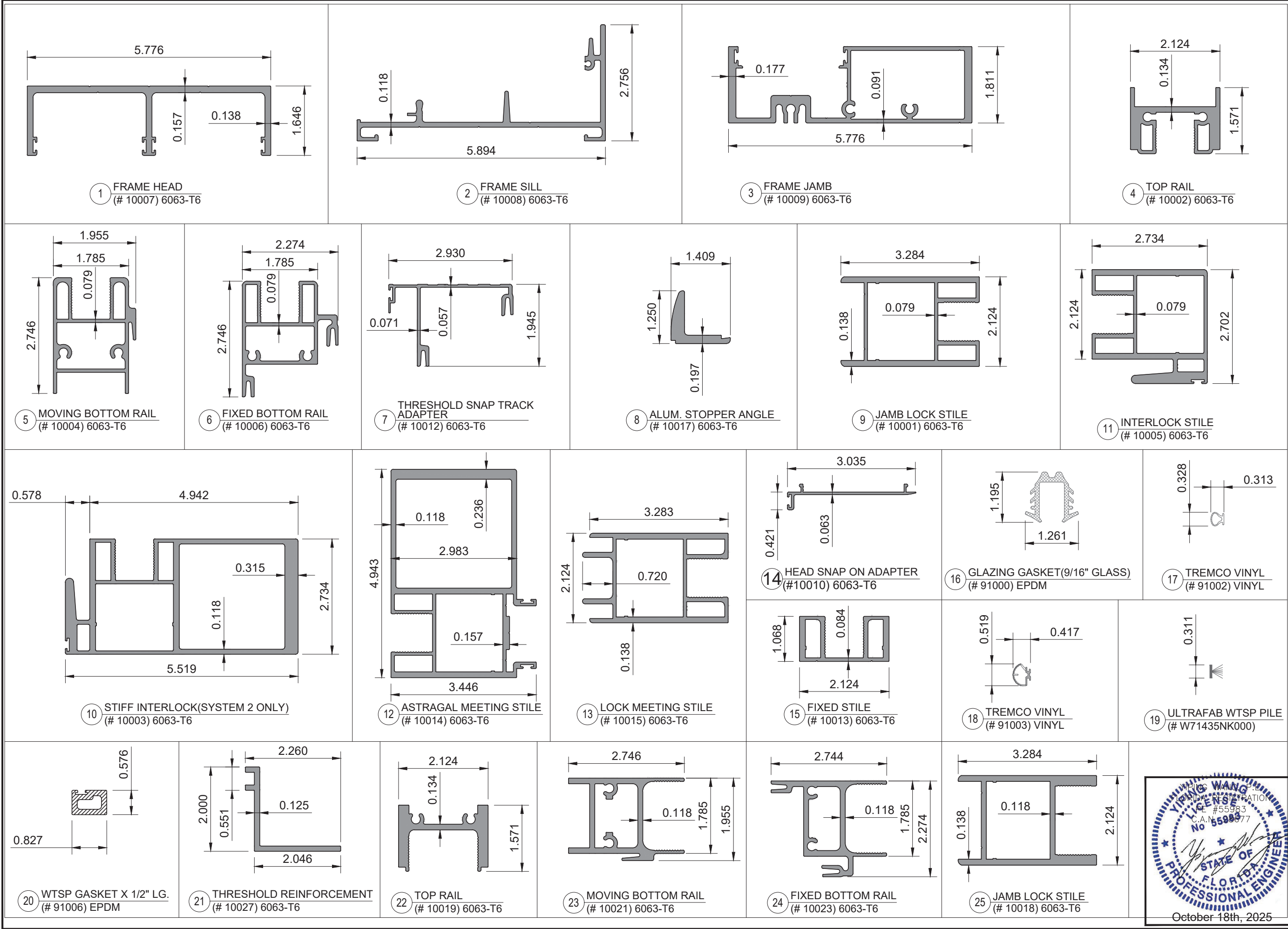
FL 17723.2

DATE	10.14.2025
SCALE	AS NOTED
DRAWN	James
PROJECT	15-053

D5

DRAWING NO.
AD15-39

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3	10/14/2025	REVISION

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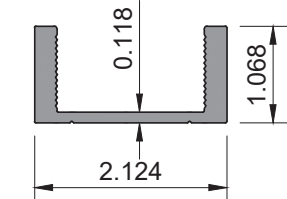
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12781 MIRAMAR PARKWAY #301 P: 305.588.5224
MIRAMAR FL33027
www.MCYEngineering.com MCY@mcyengineering.com

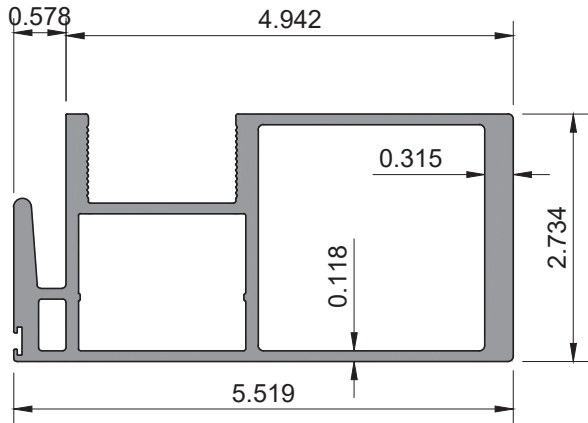
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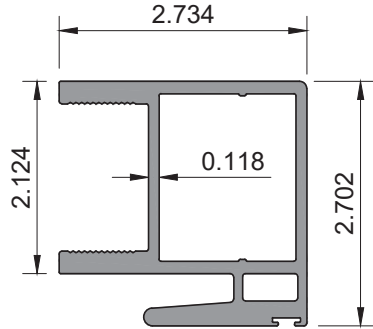
FL 17723.2	
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EXTRUSIONS	
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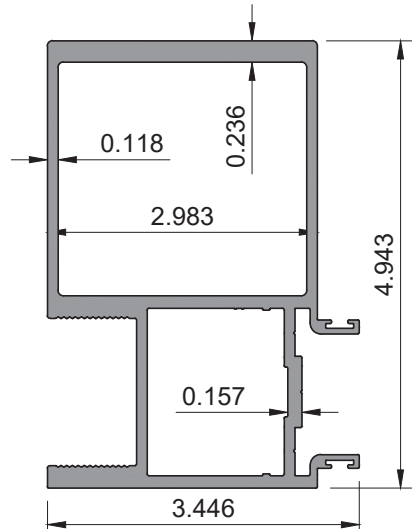
26 FIXED STILE
(# 10024) 6063-T6



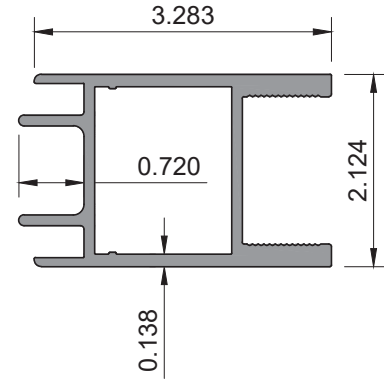
27 STIFF INTERLOCK
(# 10020) 6063-T6



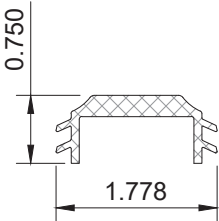
28 INTERLOCK STILE
(# 10022) 6063-T6



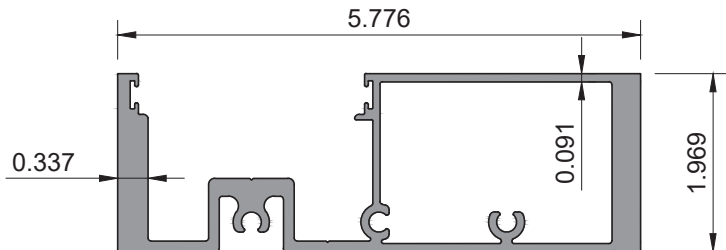
29 ASTRAGAL MEETING STILE
(# 10025) 6063-T6



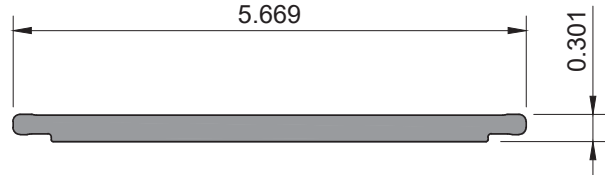
30 LOCK MEETING STILE
(# 10026) 6063-T6



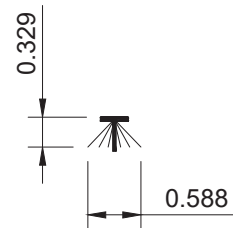
31 GLAZING GASKET
(1 5/16" GLASS)
(# 91010A) EPDM



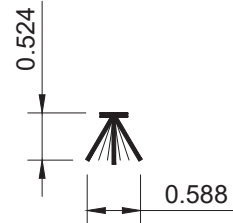
32 FRAME JAMB
(#10615) 6063-T6



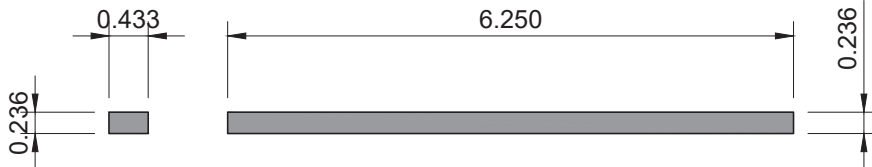
33 FRAME SHEAR BAR
(#10028) 6063-T6



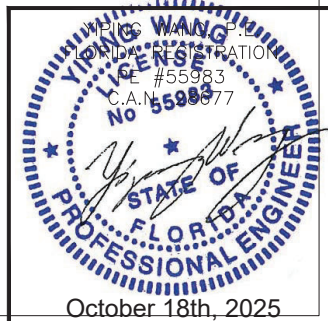
34 MOHAIR
#QC SDM007



35 MOHAIR
#QC SDM008



36 FLAT ALUMINUM
6063-T6



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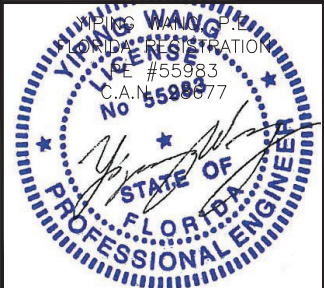
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PROJECT	15-053

EXTRUSIONS

DRAWING NO.
AD15-39

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BILL OF MATERIALS				
ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	10007	FRAME HEAD	ALUM. 6063-T6	VARIES
2	10008	FRAME SILL	ALUM. 6063-T6	VARIES
3	10009	FRAME JAMB	ALUM. 6063-T6	VARIES
4	10002	TOP RAIL	ALUM. 6063-T6	VARIES
5	10004	MOVING BOTTOM RAIL	ALUM. 6063-T6	VARIES
6	10006	FIXED BOTTOM RAIL	ALUM. 6063-T6	VARIES
7	10012	THRESHOLD SNAP TRACK ADAPTER	ALUM. 6063-T6	VARIES
8	10017	ALUMINUM STOPPER ANGLE	ALUM. 6063-T6	VARIES
9	10001	JAMB LOCK STILE	ALUM. 6063-T6	VARIES
10	10003	STIFF INTERLOCK AT SYSTEM 2 ONLY	ALUM. 6063-T6	VARIES
11	10005	INTERLOCK STILE	6005-T5 AT HD OPTION (SYSTEM 1) 6063-T6 AT STD OPTION (SYSTEM 2)	VARIES
12	10014	ASTRAGAL MEETING STILE	ALUM. 6063-T6	VARIES
13	10015	LOCK MEETING STILE	ALUM. 6063-T6	VARIES
14	10010	HEAD SNAP-ON ADAPTER	ALUM. 6063-T6	VARIES
15	10013	FIXED STILE	ALUM. 6063-T6	VARIES
16	91000	TREMCO GLAZING GASKET FOR 9/16" THK. GLASS	EPDM, DURO 60	TREMCO
17	91002	TREMCO VINYL	VINYL	TREMCO
18	91003	TREMCO VINYL	VINYL	TREMCO
19	W71435NK000	ULTRAFAB WTSP PILE (SOLID POLYPROPYLENE BACKING W/ MONOFILAMENT FIBERS)	POLYPROPYLENE	ULTRAFAB
20	91006	WTSP GASKET X 1/2" LG.	EPDM, DURO 80	TREMCO
21	10027	THRESHOLD REINFORCEMENT	ALUM. 6063-T6	VARIES
22	10019	TOP RAIL	ALUM. 6063-T6	VARIES
23	10021	MOVING BOTTOM RAIL	ALUM. 6063-T6	VARIES
24	10023	FIXED BOTTOM RAIL	ALUM. 6063-T6	VARIES
25	10018	JAMB LOCK STILE	ALUM. 6063-T6	VARIES
26	10024	FIXED STILE	ALUM. 6063-T6	VARIES
27	10020	STIFF INTERLOCK	ALUM. 6063-T6	VARIES
28	10022	INTERLOCK STILE	ALUM. 6063-T6	VARIES
29	10025	ASTRAGAL MEETING STILE	ALUM. 6063-T6	VARIES
30	10026	LOCK MEETING STILE	ALUM. 6063-T6	VARIES
31	91025	GLAZING GASKET (1 5/16" GLASS)	EPDM, DURO 80	TREMCO
32	10615	FRAME JAMB	ALUM. 6063-T6	VARIES
33	10028	FRAME SHEAR BAR	ALUM. 6063-T6	VARIES
34	QC SDM007	MOHAIR	POLYPROPYLENE	ULTRAFAB
35	QC SDM008	MOHAIR	POLYPROPYLENE	ULTRAFAB
36	-	FLAT BAR	ALUM. 6063-T6	VARIES
37	-	#14X3/4" FH SDS	STAINLESS STEEL	VARIES



October 18th, 2025

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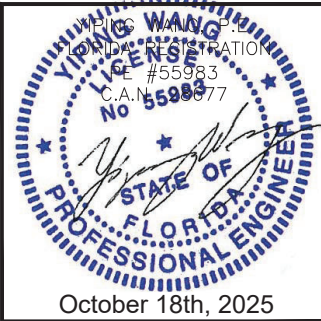
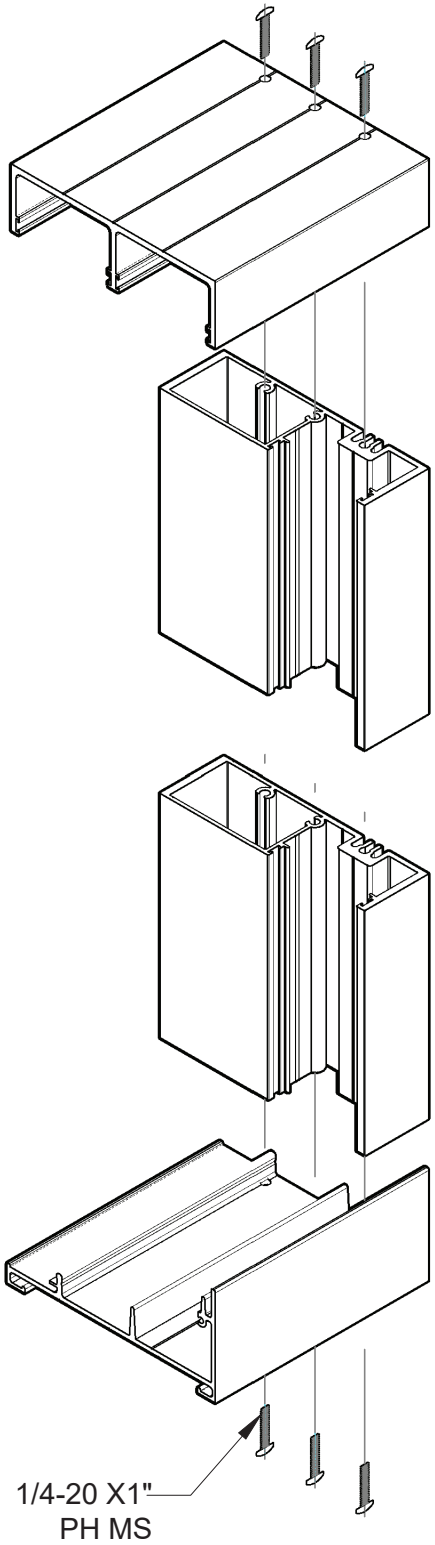
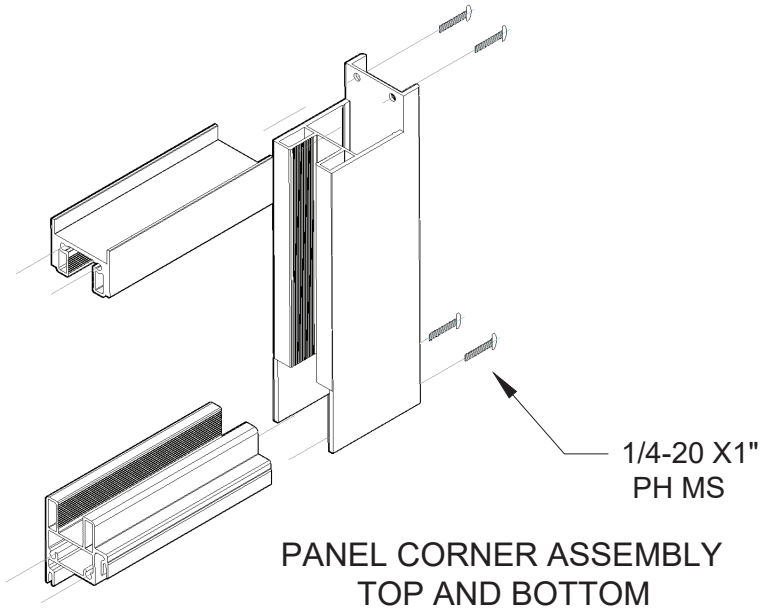
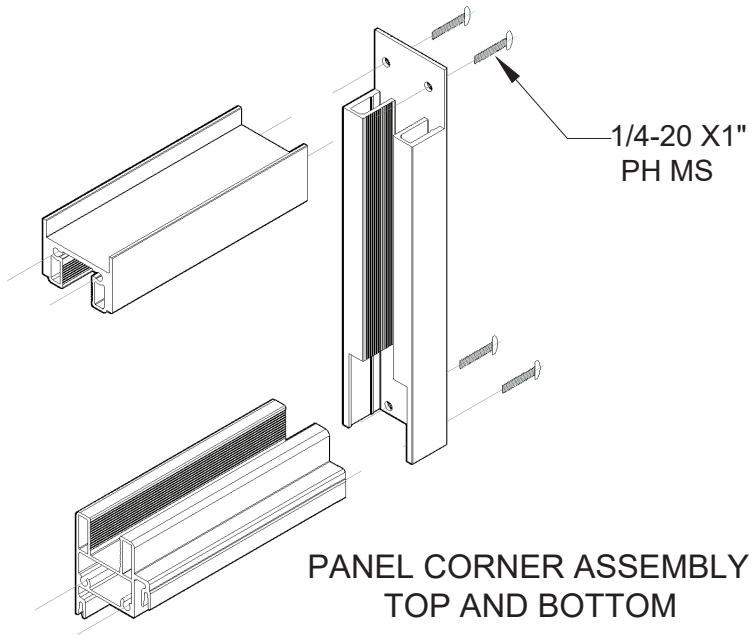
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BILL OF MATERIALS

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38	—	SHIM	PVC	VARIES
39	—	#14 X 1" HH SS ASSEMBLY SCREW	STAINLESS STEEL	VARIES
40	#2115192	QUAD ROLLER, SECURED BY (1) 1/4"—20X1" PH MS	STAINLESS STEEL	VARIES
41	—	ALUMINUM HANDLE SET #40.69, FIXED ON MALE ASTRAGAL W/ (2) #10—32 X 2 1/2" FH MS	ALUMINUM	VARIES
42	—	THREE—PLY DUAL HOCK LOCK FIXED ON MALE ASTRAGAL STILE W/ (2)#8—32 X 1" RH MS. 39 3/8" FROM BOTTOM.	STAINLESS STEEL	VARIES
43	—	KEEPER, FIXED ON FEMALE ASTRAGAL STILE W/ (3) #12 X 1" FH SDS.	STAINLESS STEEL	VARIES
44	—	ROLLER TRUTH #1973—9100—25	STAINLESS STEEL	VARIES



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