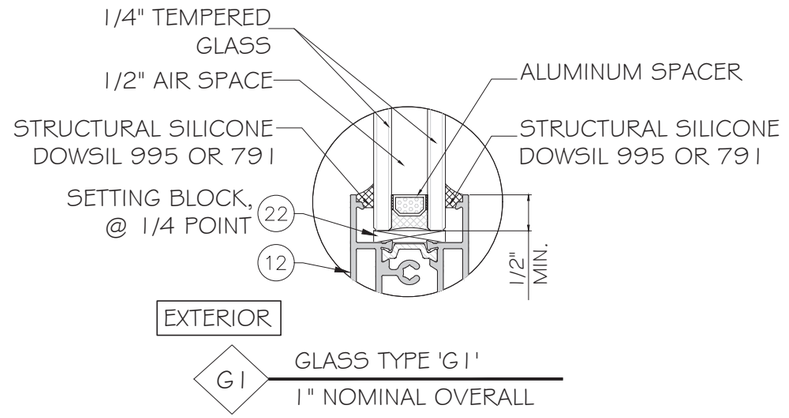
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD.
SP100T & SP150T SLIDING GLASS DOOR SYSTEM
NON-IMPACT



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

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023)/9TH EDITION FLORIDA BUILDING CODE (2026), EXCLUDING HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).

- SLIDING DOORS ARE RATED FOR NON-IMPACT. IMPACT SHUTTERS ARE REQUIRED WHEN USED IN HVHZ.

- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023)/9TH EDITION FLORIDA BUILDING CODE (2026) 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.

- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
- CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTMA123, OR PROTECTIVE COATING PER TPI 1).

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

STEP 2: SEE SHEET E1 & E2 FOR TYPICAL DOOR ELEVATION AND CAPACITY.

STEP 3: SEE SHEET A1 & A2 FOR ANCHOR OPTIONS.

STEP4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THOUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM

FLORIDA APPROVAL:
FL47920.1

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

C
7
SECTION NUMBER
SHEET NUMBER

YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
L.A.N. #55983
Sep.14th, 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcy@mcyengineering.com

SP100T & SP150T SLIDING DOOR SYSTEM - NON-IMPACT
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
Shanghai, China
TEL.86 021-5822 0630 CELL.86 135-8572-3609

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02	09.14.2026	James	UPDATE FBC 2026
01	04.09.2026	James	NEW PRODUCT APPLICATION

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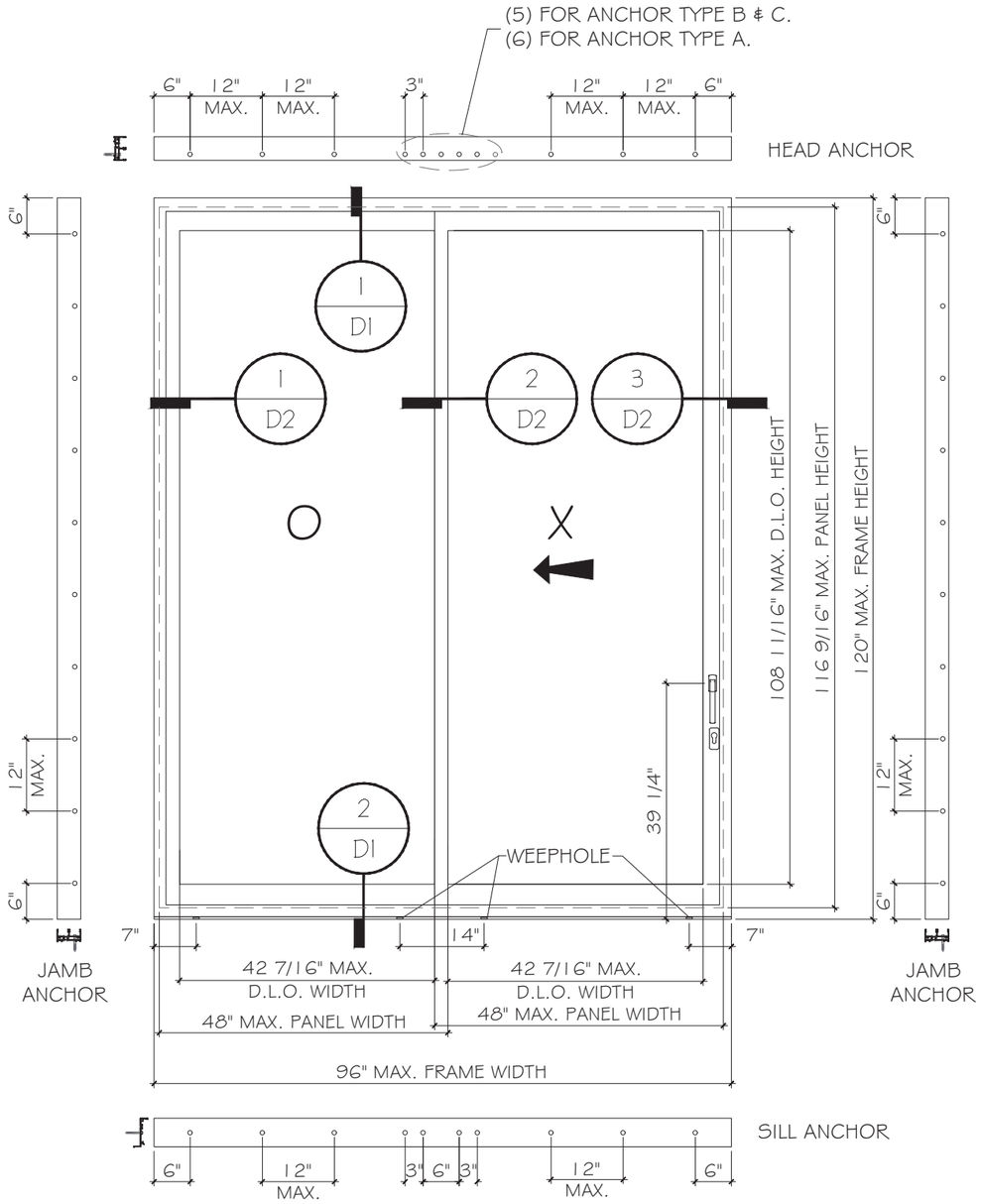
AD25-47

COVER

Sheet No.
1 OF 11



TYPICAL EXTERIOR ELEVATIONS

SP100T SLIDING DOOR

MAX. DESIGN LOAD - PSF.		
MAX. DIMENSIONS (INCH)		MAX. PRESSURE (PSF)
AVERAGE PANEL WIDTH	FRAME HEIGHT	
48	120	+65/-65

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

$$\text{AVERAGE PANEL WIDTH} = \frac{\text{FRAME WIDTH}}{\text{PANELS}}$$

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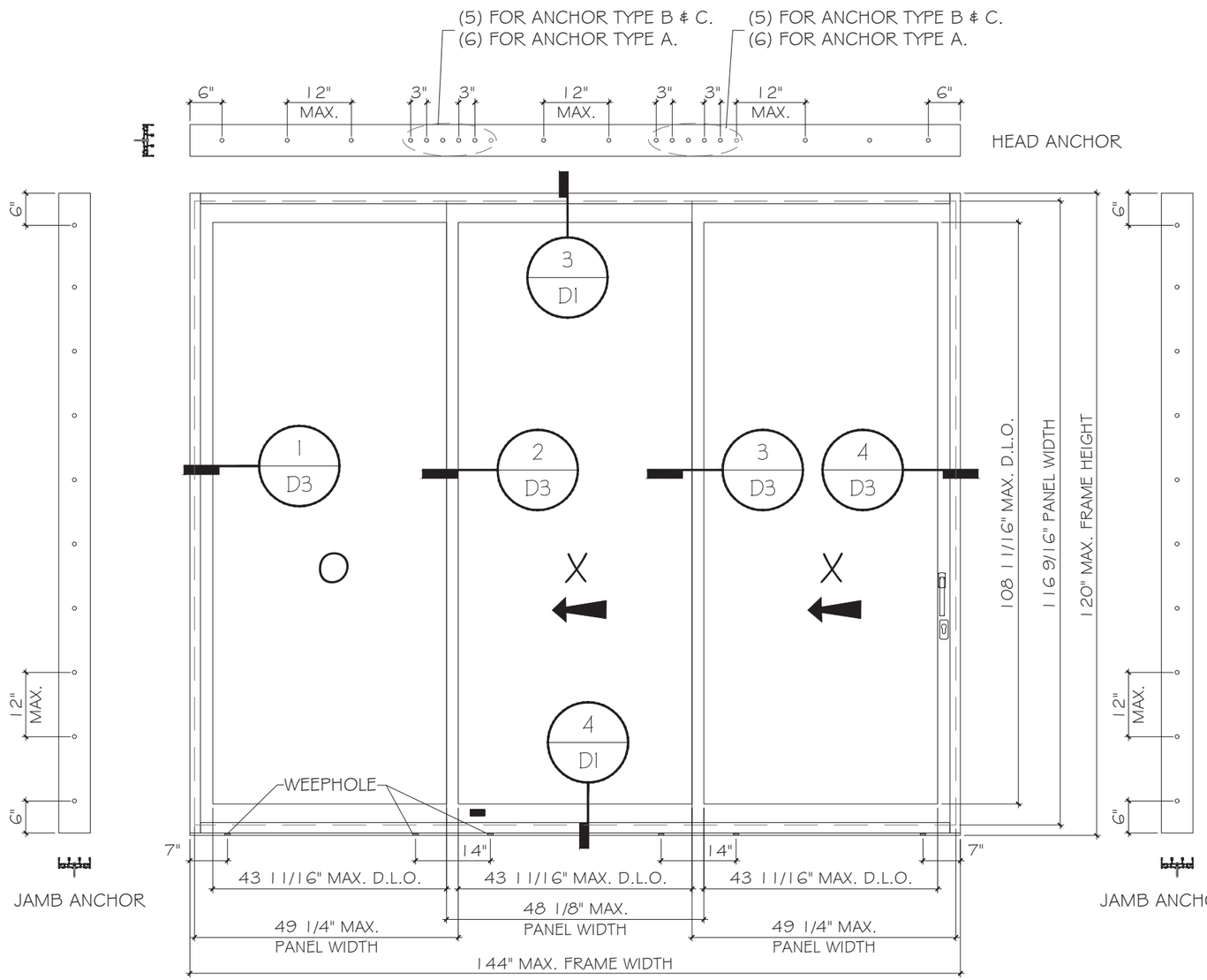
E1

Sheet No.

2 OF 11



TYPICAL EXTERIOR ELEVATIONS

SP150T SLIDING DOOR

MAX. DESIGN LOAD - PSF.		
MAX. DIMENSIONS (INCH)		MAX. PRESSURE (PSF)
AVERAGE PANEL WIDTH	FRAME HEIGHT	
48	120	+65/-65

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

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E2

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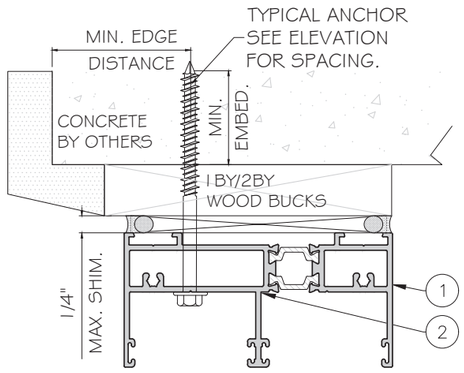
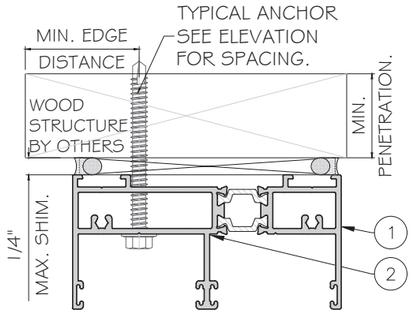
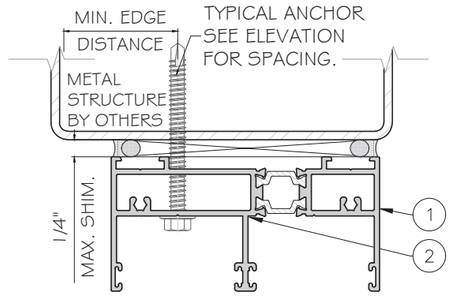




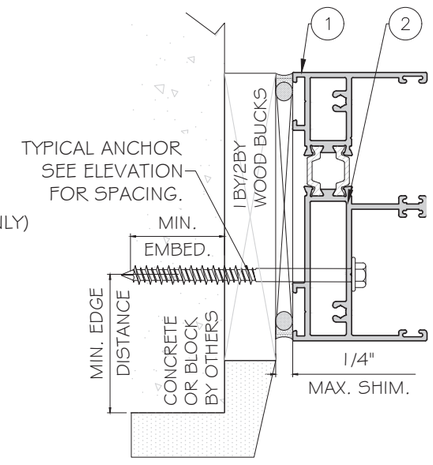


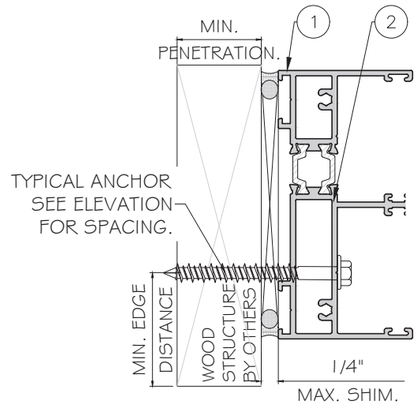
TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

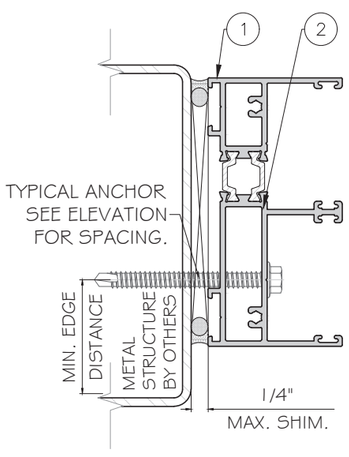
TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
WITH 1 1/2" MIN. PENETRATION INTO WOOD
OR THRU WOOD INTO CONCRETE WITH 1 3/4" MIN. EMBEDMENT.
OR THRU WOOD INTO GROUT FILLED BLOCK WITH 1 3/4" MIN. EMBEDMENT. (JAMB ONLY)

TYPE "B": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE.
WITH 1 3/4" MIN. EMBEDMENT INTO GROUT FILLED BLOCK. (JAMB ONLY)

TYPE "C": 1/4" TEKS OR SELF DRILLING SCREW(GRADE 5) (Fu=120 KSI, Fy=92 KSI)
INTO METAL STRUCTURE OR FLORIDA APPROVED MULLIONS.
(3) THREAD MIN PENETRATION BEYOND METAL STRUCTURE.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED).







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INTO CONCRETE AND MASONRY = 2 1/2" MIN.
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WOOD SG = 0.55 MIN.
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C-90 GROUT FILLED BLOCK AT JAMBS, f'm=2ksi MIN.
STEEL: 12 GA. MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

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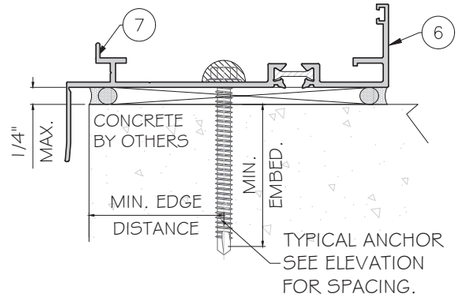

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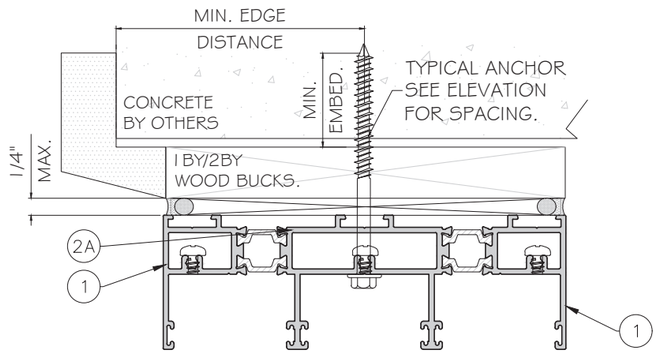

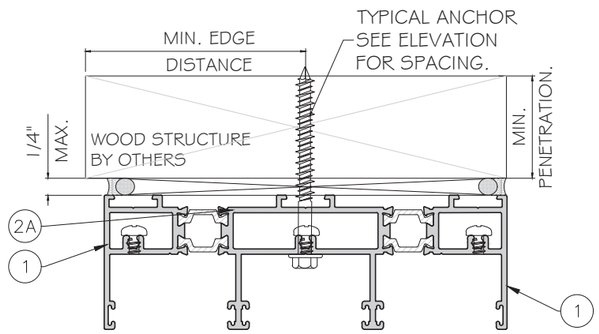

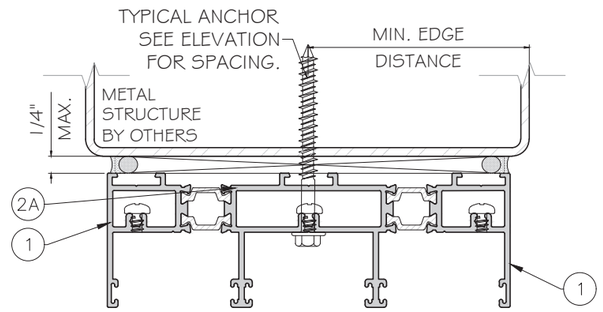

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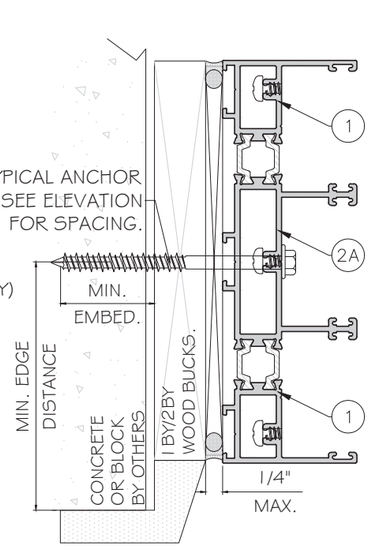

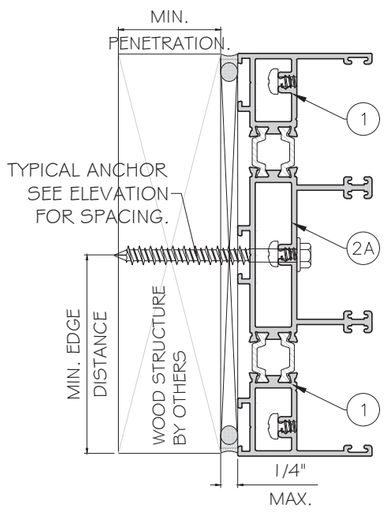

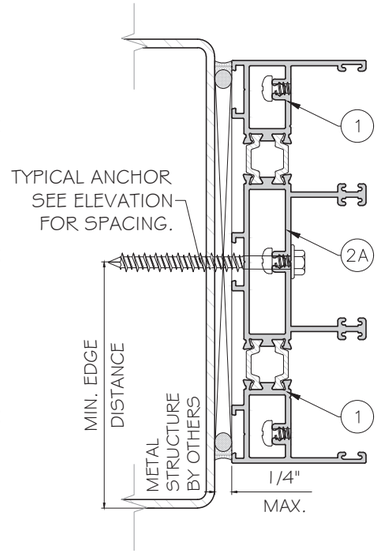

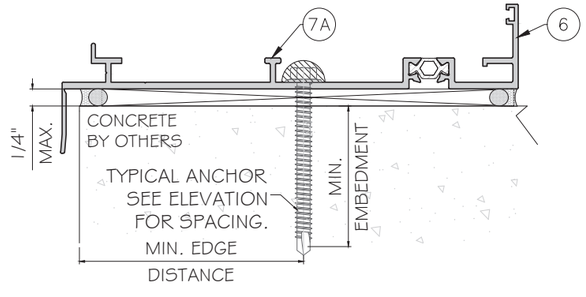

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Sep.14th, 2026

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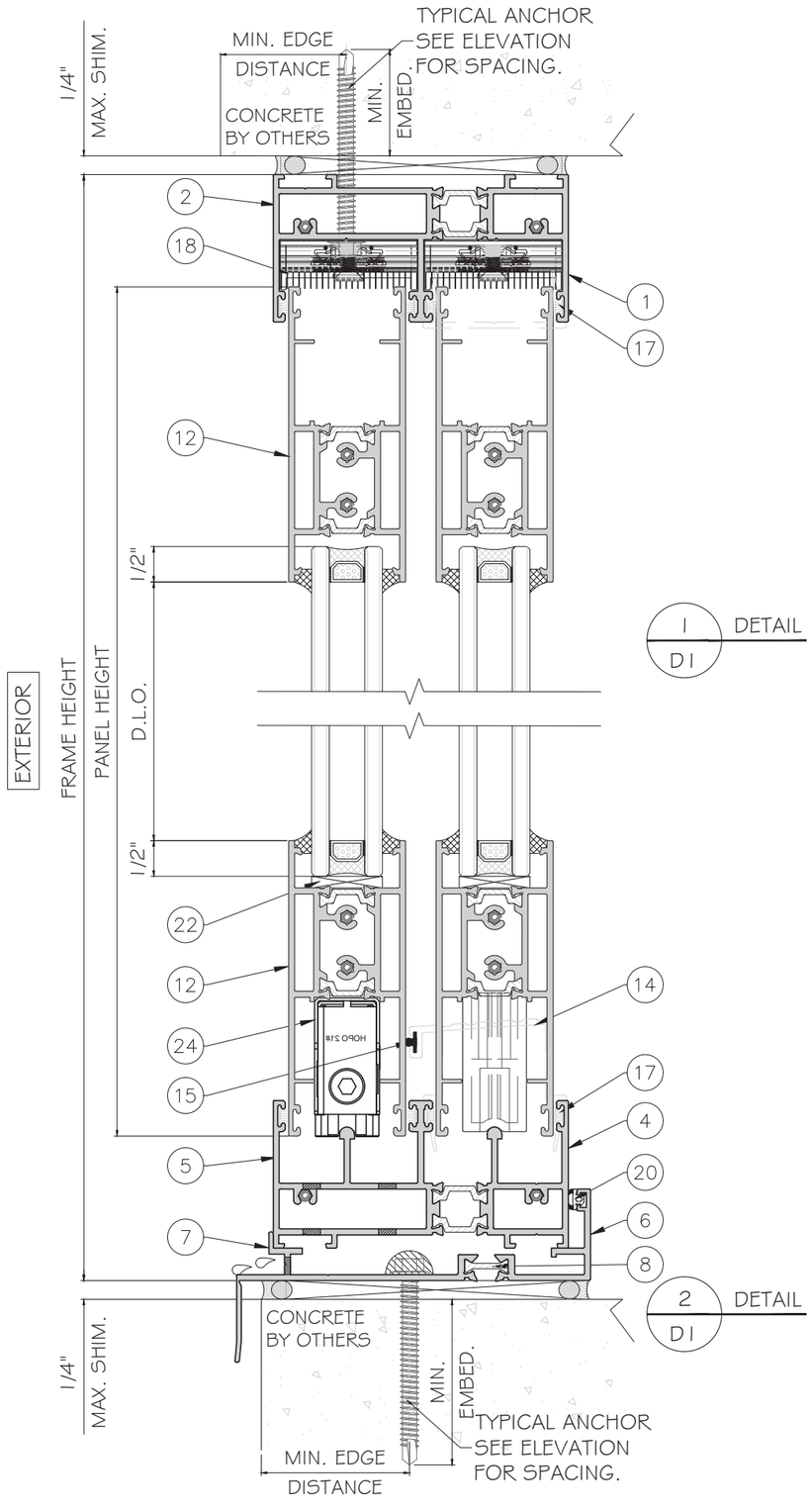
Sheet No. 5 OF 11



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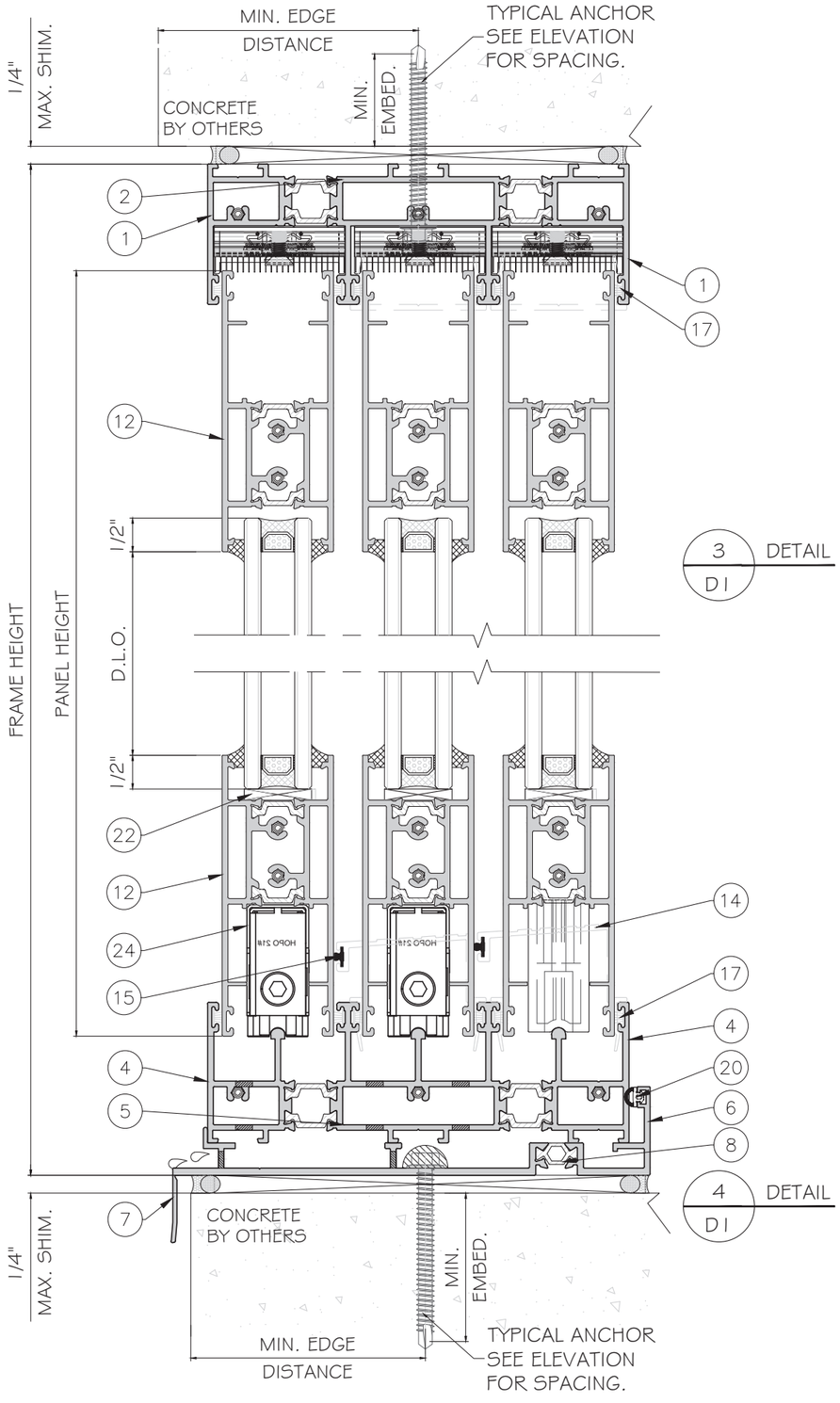
2 / D1 DETAIL



3 / D1 DETAIL

4 / D1 DETAIL

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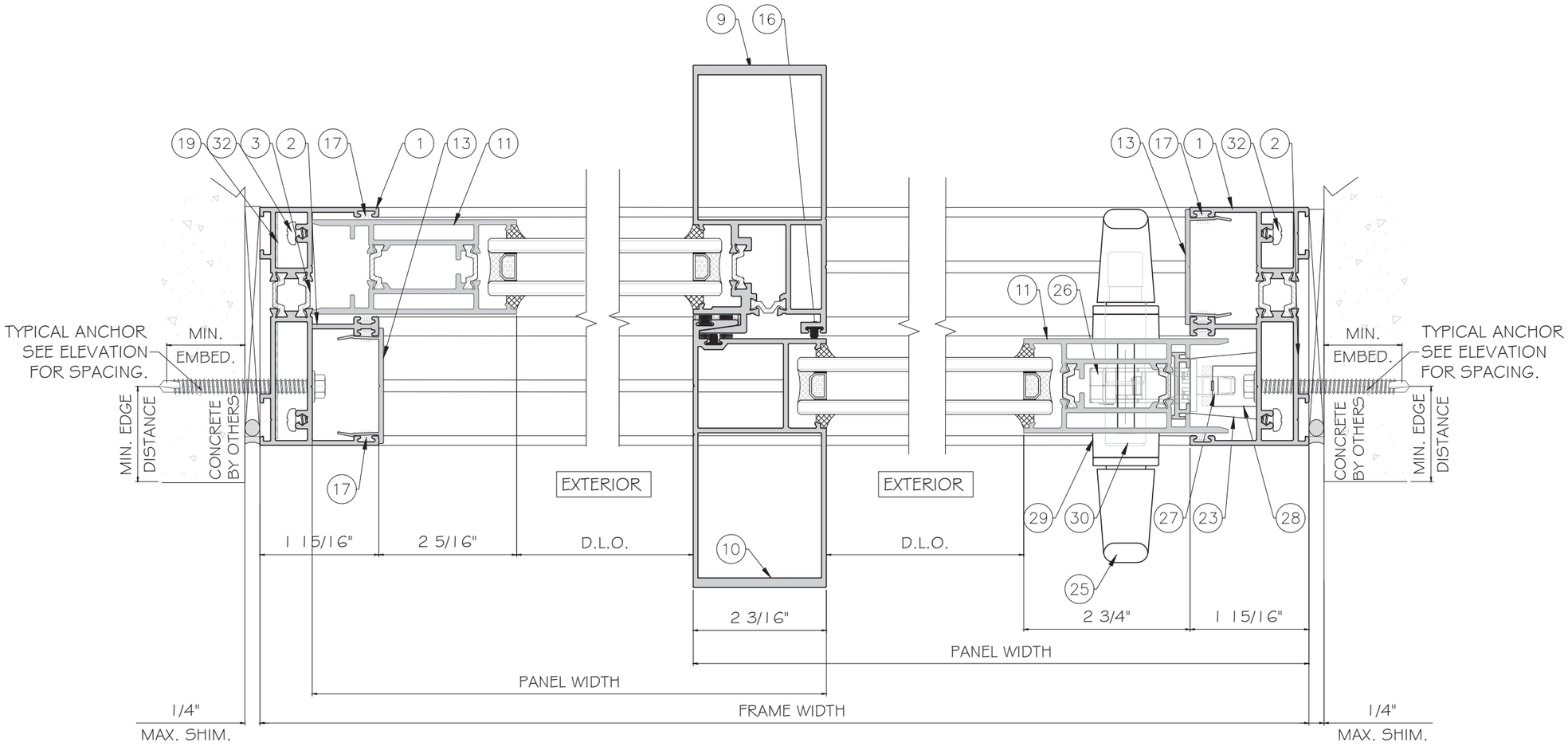

1 / D2 DETAIL

2 / D2 DETAIL

3 / D2 DETAIL

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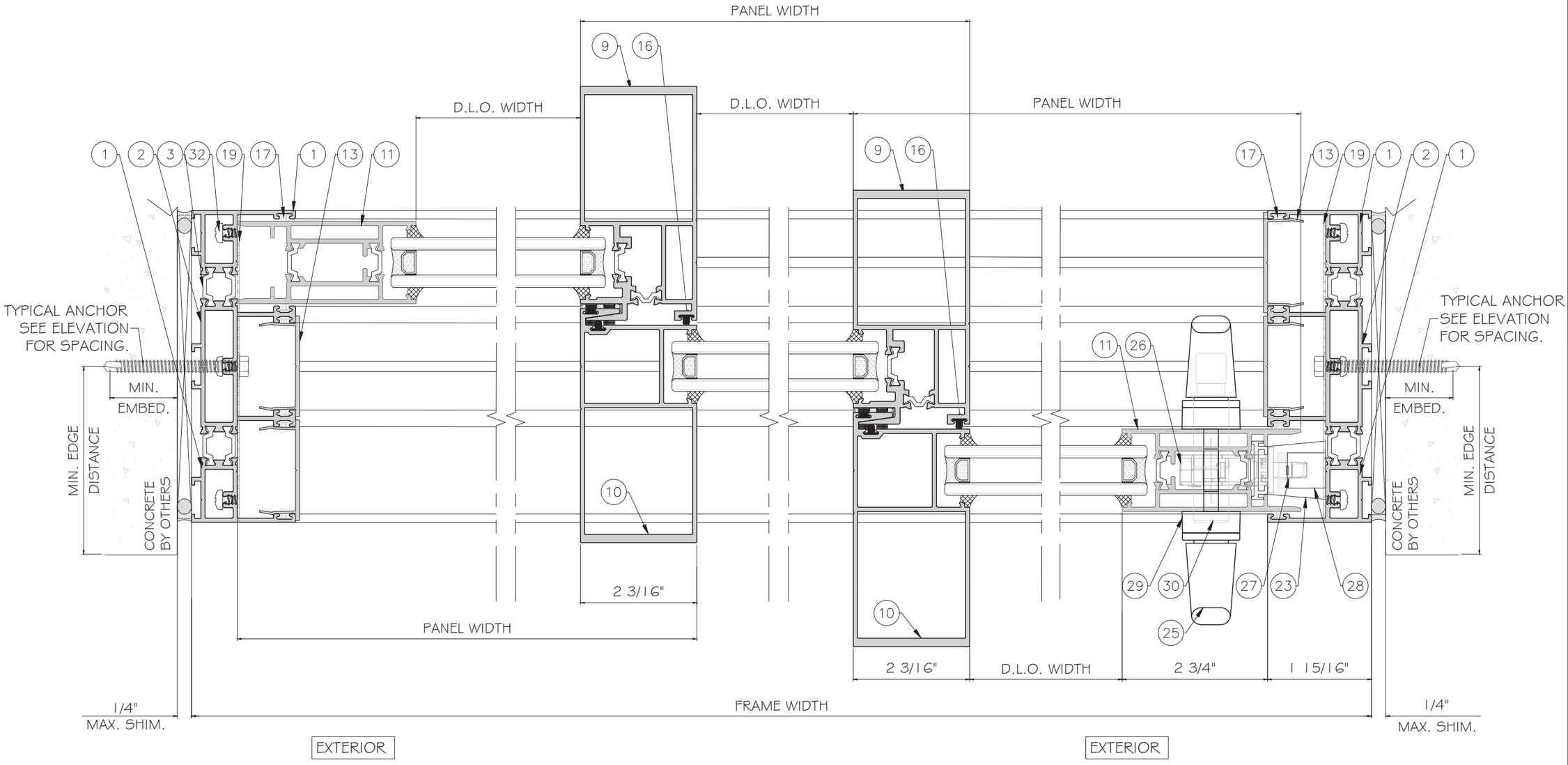

1/D3 DETAIL

2/D3 DETAIL

3/D3 DETAIL

4/D3 DETAIL

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Rev. No.	Date	Drawn By	Description
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Drawn Date 09.14.2026

SCALE AS SHOWN

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AD25-47

D3

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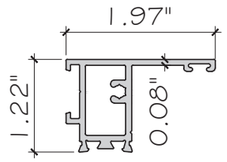
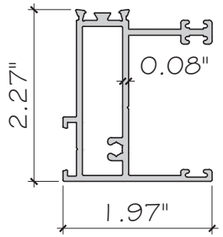


OUTER FRAME
JNSPA100-B01H
ALUM.6063-T5
(1)



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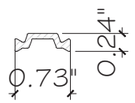
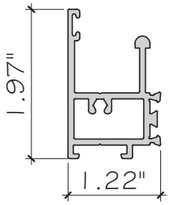
ALUM.6063-T5
(2)



THERMAL BREAK
TECHNOFORM BAUTEC
C-18.6
(3)



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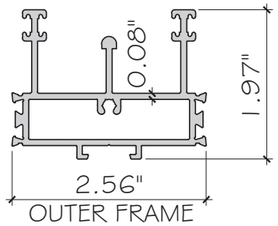

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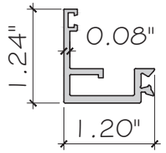
ALUM.6063-T5
(5)



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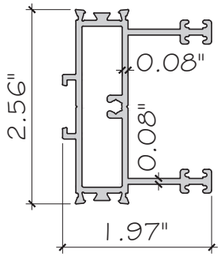

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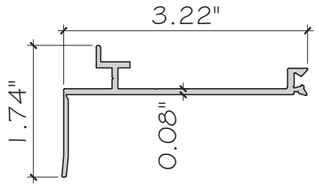
ALUM.6063-T5
(2A)



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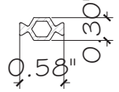
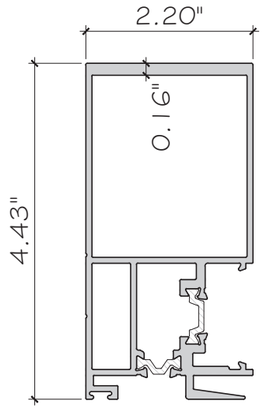


THERMAL BREAK
TECHNOFORM BAUTEC
C-18.6
(8)



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ALUM.6063-T5
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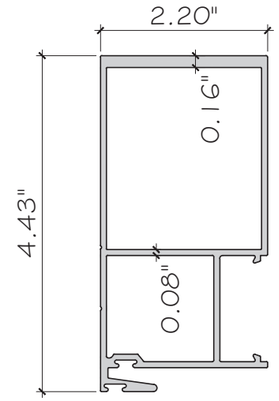

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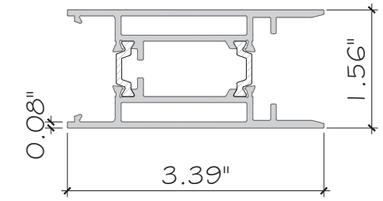

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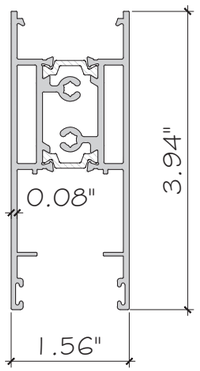

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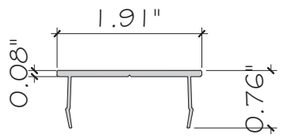
ALUM.6063-T5
(12)



SMALL COVERS
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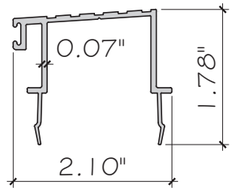
ALUM.6063-T5
(13)



HIGH WATER BAFFLE
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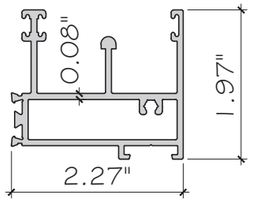
ALUM.6063-T5
(14)



OUTER FRAME
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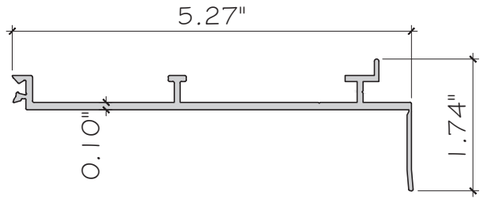
ALUM.6063-T5
(5A)



OUTER FRAME
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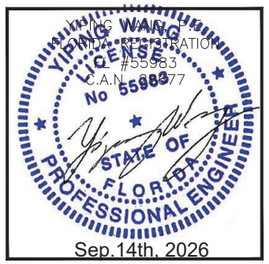
ALUM.6063-T5
(7A)

FLORIDA APPROVAL:
FL47920.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcy@mcyengineering.com

SP100T & SP150T SLIDING DOOR SYSTEM - NON-IMPACT

SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
Shanghai, China
TEL.86 021-5822 0630 CELL.86 135-8572-3609

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PART

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BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUFACTURER
1	JNSPA100-B01H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
2	JNSPA150-C01H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
2A	JNSPA100-A01H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
3	C-18.6	THERMAL BREAK	POLYAMIDE 66	TECHNO FORM CO., LTD
4	JNSPA100-B02H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
5	JNSPA150-C02H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
5A	JNSPA150-C02H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
6	JNSPA150-B03H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
7	JNSPA150-A03H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
7A	JNSP100T-B001H	OUTER FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
8	O-18.6	THERMAL BREAK	POLYAMIDE 66	TECHNO FORM BAUTEC
9	GRSPA10004BH	SASH RAIL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
10	JNSPA10005BH	SASH RAIL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
11	GRSPA10008H	SASH RAIL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
12	GRSPA10006H	SASH RAIL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
13	SPA10029	SMALL COVERS	ALUM. 6063-T5	GUANGYA ALU. COMPANY
14	SPA10036	HIGH WATER BAFFLE	ALUM. 6063-T5	GUANGYA ALU. COMPANY
15	KS211	FORMING GASKET	EVA FORM HARDNESS: 9±2A	JIANAN SEALS TECHNOLOGY CO., LTD
16	KS201	FORMING GASKET	EVA FORM HARDNESS: 9±2A	JIANAN SEALS TECHNOLOGY CO., LTD
17	-	PILE W'STRIPPING WITH FIN, 7-3.5-4	FIBERGLASS	KINLONG HARDWARE CO., LTD
18	ACSPA001	TOP SEALING BLOCK AND STOPPER	EPDM	SHANGHAI FENGNAI INDUCTRIAL AND TRADE CO., LTD
19	SPA15001W	3M WATERPROOF SEAL	EVA FOAM	CHANGSHU BOQI ADHESIVE PRODUCTS CO., LTD
20	SBWG-006	EPDM GASKET	EPDM HARDNESS: 30±5	KINLONG HARDWARE CO., LTD
21	ACSPA022	FIX ROLLER	POLYAMIDE 66	SHANGHAI FENGNAI INDUCTRIAL AND TRADE CO., LTD
22	-	EPDM SETTING BLOCK 3/32" X 7/8"	HARDNESS: 75±2A	KINLONG HARDWARE CO., LTD
23	-	EPDM STOPPER 1/18" X 1/18"	HARDNESS: 65±2A	KINLONG HARDWARE CO., LTD
24	HOPO 21#ROLLER	DOOR ROLLER	POLYAMIDE 66	HOPO JARDWARE CO., LTD
25	NHIE0010	HANDLE	ZINC ALLOY	CMECH HARDWARE CO., LTD
26	35PZ/C	MULTI-POINT LOCK	STAINLESS STEEL	SIEGENIA AUBI WINDOWS HADWARE (BEIJING) CO., LTD
27	MTL08	HOOK.	STAINLESS STEEL	FOSHAN MUUTU CONSTRUCTION TECHNOLOGY CO., LTD
28	MTJ08E	KEEPER	STAINLESS STEEL	FOSHAN MUUTU CONSTRUCTION TECHNOLOGY CO., LTD
29	PHZE0020	CYLINDER COVER	STAINLESS STEEL	CHECH HARDWARE CO., LTD
30	R3030	CYLINDER	STAINLESS STEEL	CHECH HARDWARE CO., LTD
32	-	3/16" X 1" FRAME ASSEMBLY SCREWS	STEEL	SHANGHAI CHUANGGU FASTENER MANUFACTURING CO., LTD
33	ACSPA021	SASH ANTI-COLLISION BLOCK	EPDM	SHANGHAI FENGNAI INDUCTRIAL AND TRADE CO., LTD
34	ACSPA004L	COMPENSATION BLOCK L	POLYAMIDE 66	SHANGHAI FENGNAI INDUCTRIAL AND TRADE CO., LTD
35	ACSPA004R	COMPENSATION BLOCK R	POLYAMIDE 66	SHANGHAI FENGNAI INDUCTRIAL AND TRADE CO., LTD
36	BD40.01.06	SASH ANTI-COLLISION BLOCK	EPDM	HOPO JARDWARE CO., LTD

FLORIDA APPROVAL:

FL47920.1

YIPING WANG
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOT VALID WITHOUT SIGNATURE
#55983
C.A.N. 28377

Sep.14th, 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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BOM

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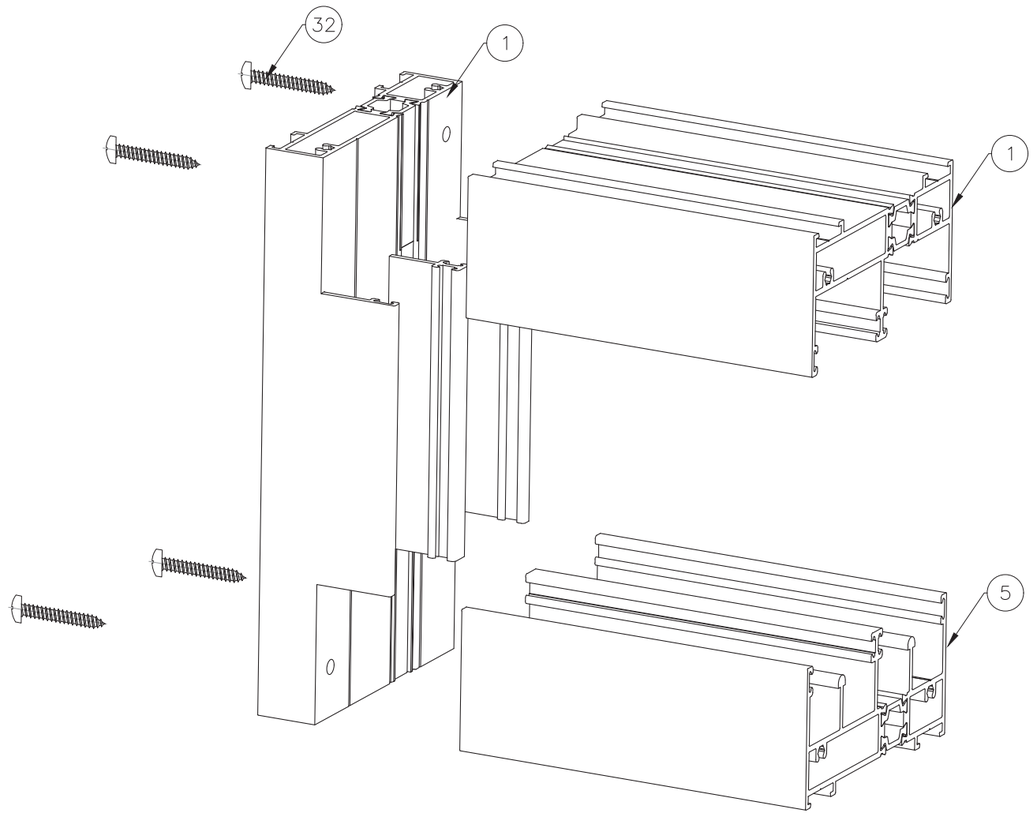
10 OF 11



FRAME CORNER ASSEMBLY

FLORIDA APPROVAL:

FL47920.1

YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 138877
LICENSE
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Sep.14th, 2026

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ASSEMBLY

Sheet No.
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