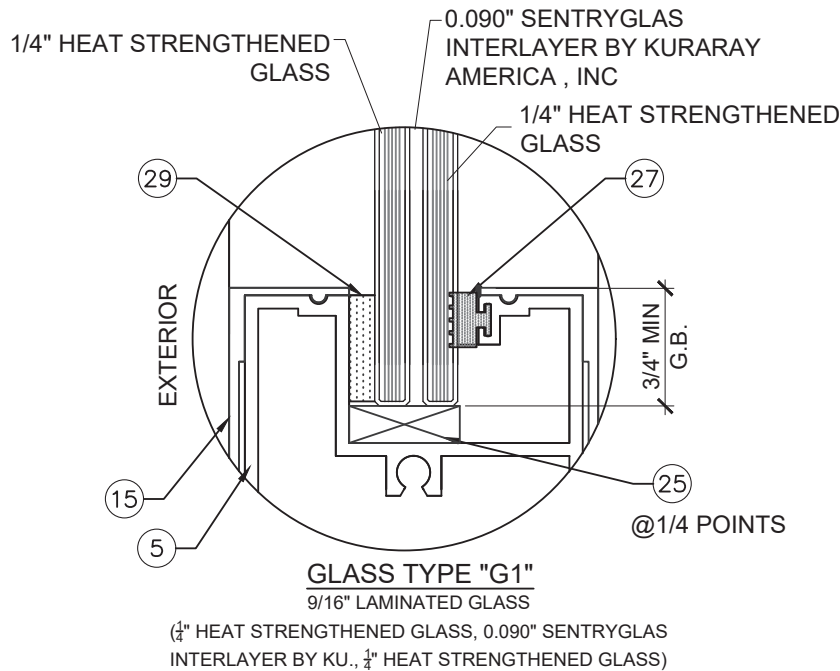


CONTINENTAL GLASS SYSTEMS

2800 SERIES LIFT AND SLIDE GLASS DOOR (LMI) 3 TRACKS



GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE 2023, INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94

- DOOR ARE THESE THREE TRACK SLIDING GLASS DOORS RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS LOWER THAN 30'-0" ABOVE GRADE.

- ANSI Z97.1 CLASS A TESTED AND DEEMED TO PASS IN ACCORDANCE WITH STANDARD.

- DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION RESISTANCE.

- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL, AND SHALL BE APPROVED BY SPECIALITY P.E.

- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC., SHALL BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE MAIN BUILDING STRUCTURE.

- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-22, MULTIPLIED 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.

-SEALANTS:

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

-TYPICAL ANCHORS: (SEE ELEVATIONS FOR SPACING)

TYPE 'A' -- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI).
1-3/4" MIN. EMBED IN CONCRETE

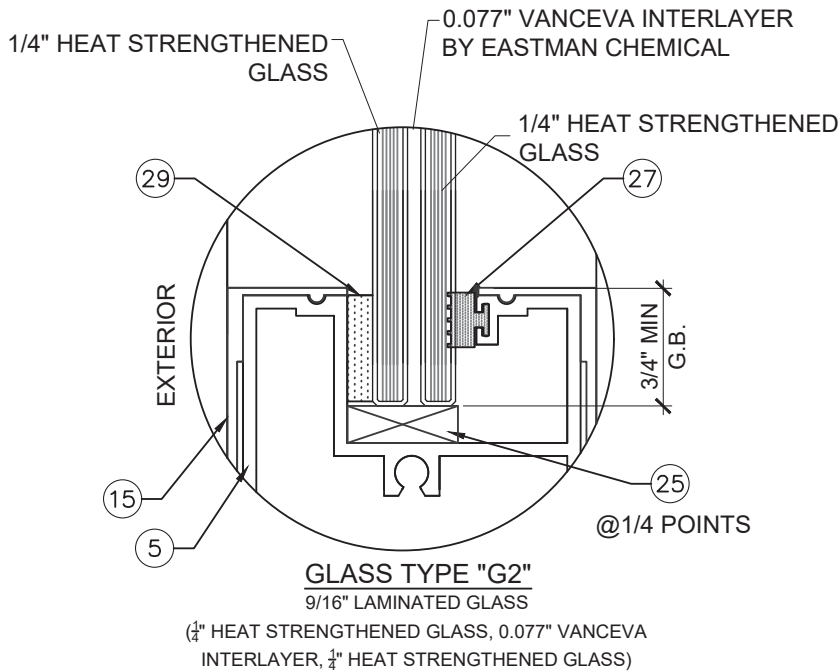
TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREWS BY ELCO NO SUBSTITUTIONS ALLOWED
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
INTO METAL STRUCTURES
MIN. THREE THREADS PENETRATION BEYOND METAL WALL.
STEEL: 10 GA. MIN. (Fy=33 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED) PER FBC

TYPICAL EDGE DISTANCES

INTO CONCRETE = 2 1/2" MIN. CONCRETE f_c = 4000 PSI
INTO METAL STRUCTURE = 1/8" THK. MIN.

ANCHOR REQUIREMENTS

1. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. ANCHORS SHALL BE AS LISTED, AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS



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

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	
	SECTION NUMBER C 7
	SHEET NUMBER

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.

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	
COVER	
DRAWING NO.	
AD21-10	
1 OF 19	

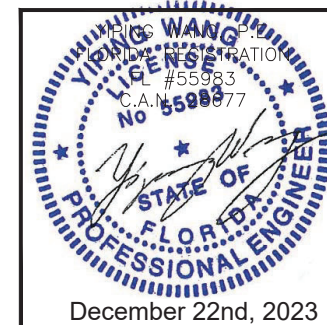
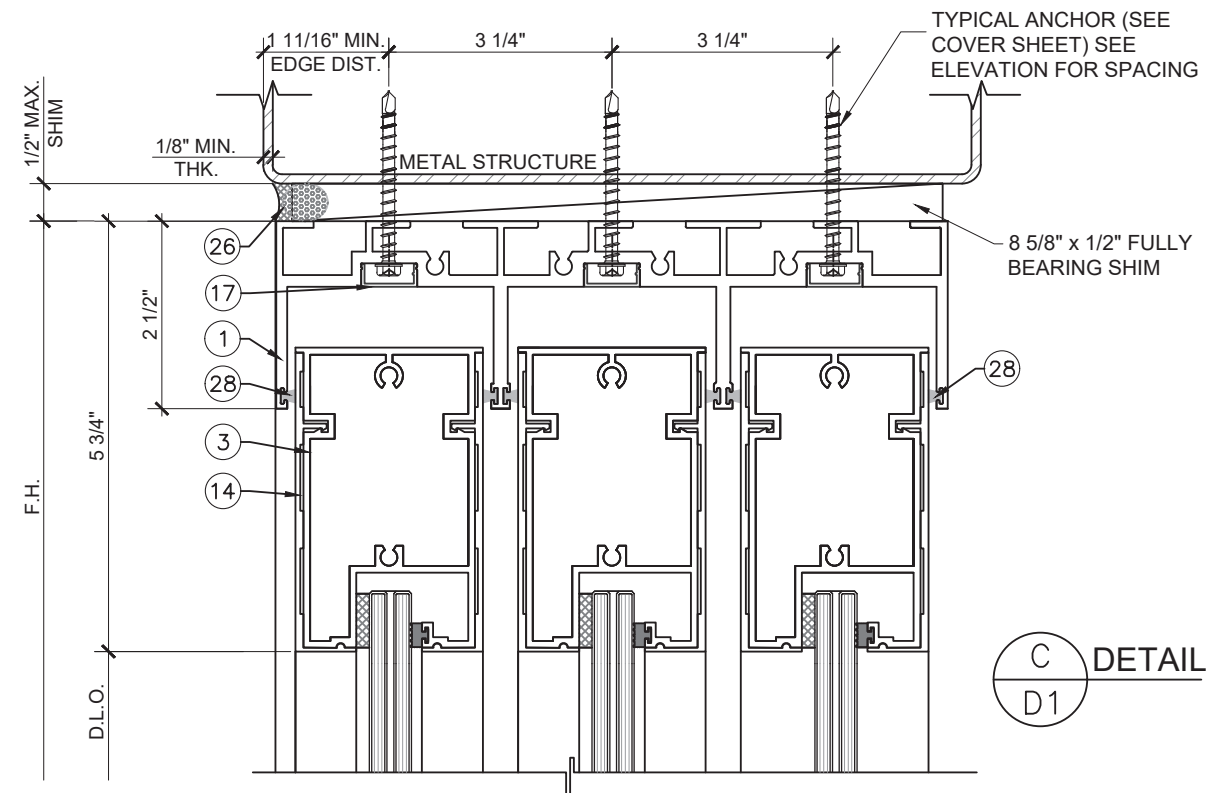
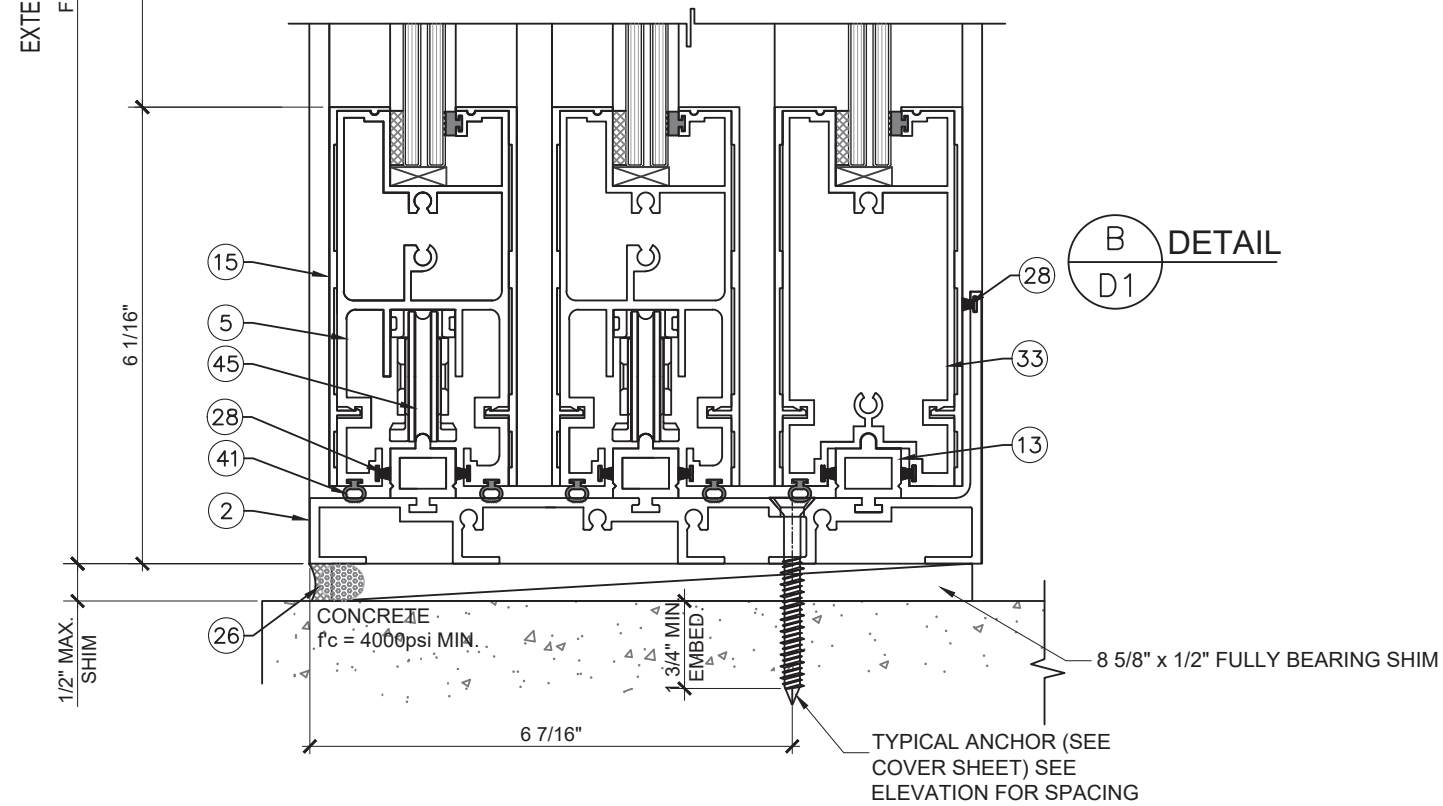
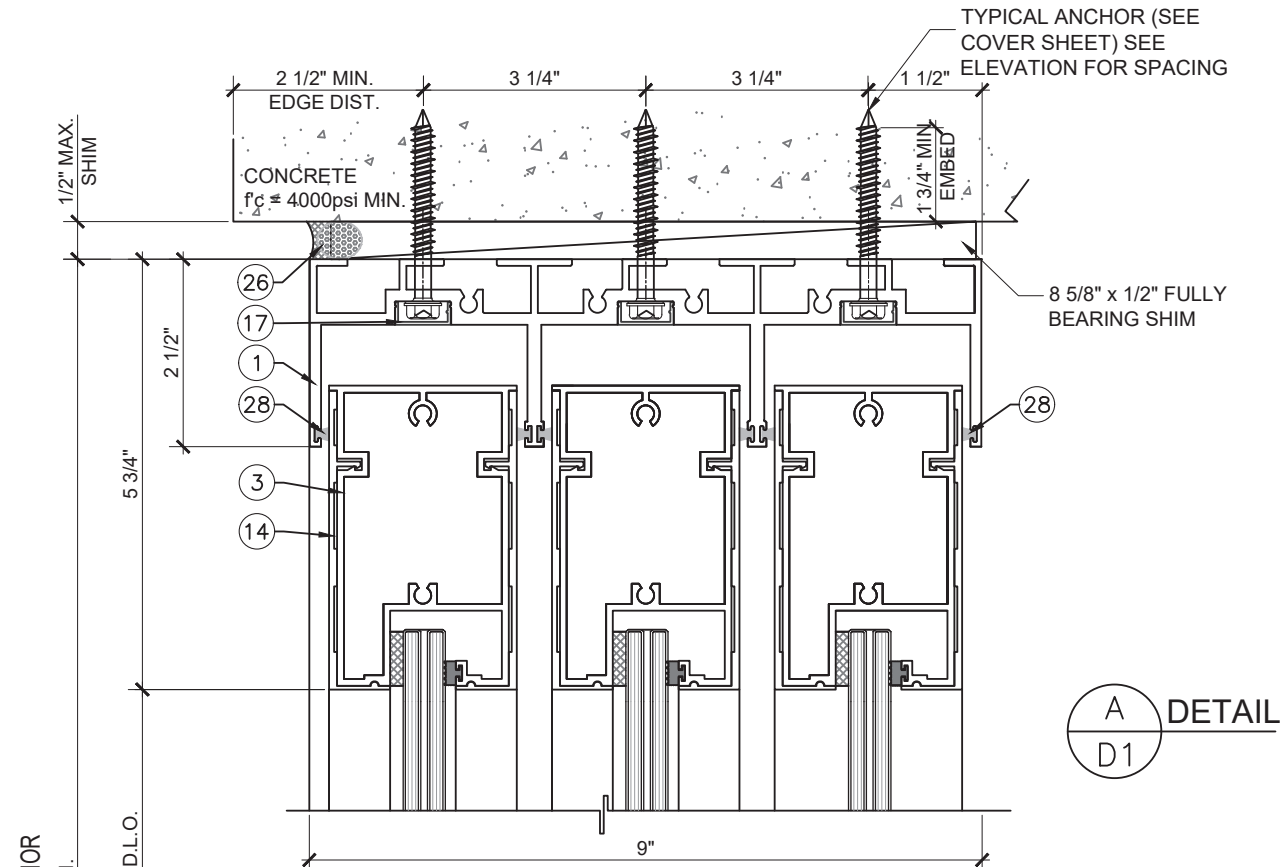
REVISIONS	
NO.	DATE
R3	12.09.2023

MCY ENGINEERING, INC.	
GLAZING CONSULTANTS	
12781 MIRAMAR PWKY. STE 301	
MIRAMAR, FL 33027	
www.MCYEngineering.com	
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MCY@MCYENGINEERING.COM	

2800 SERIES L.M.I. & S 3 TRACKS	
CONTINENTAL GLASS SYSTEMS LLC	
325 WEST 74 PLACE HIALEAH, FL33014	
TEL.: (305) 231.1101	

FL#19733.4	
DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

COVER	
DRAWING NO.	
AD21-10	
1 OF 19	



NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC - 2023

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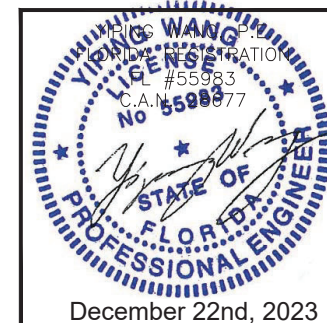
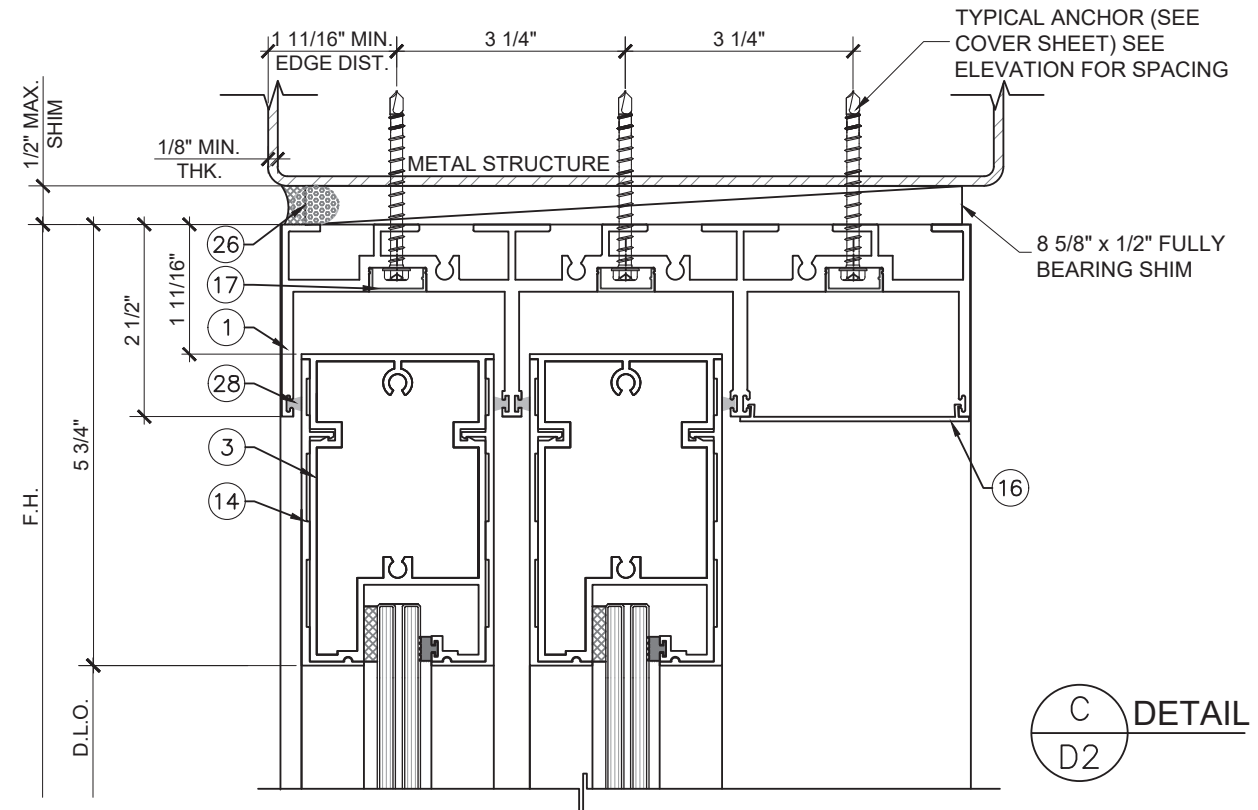
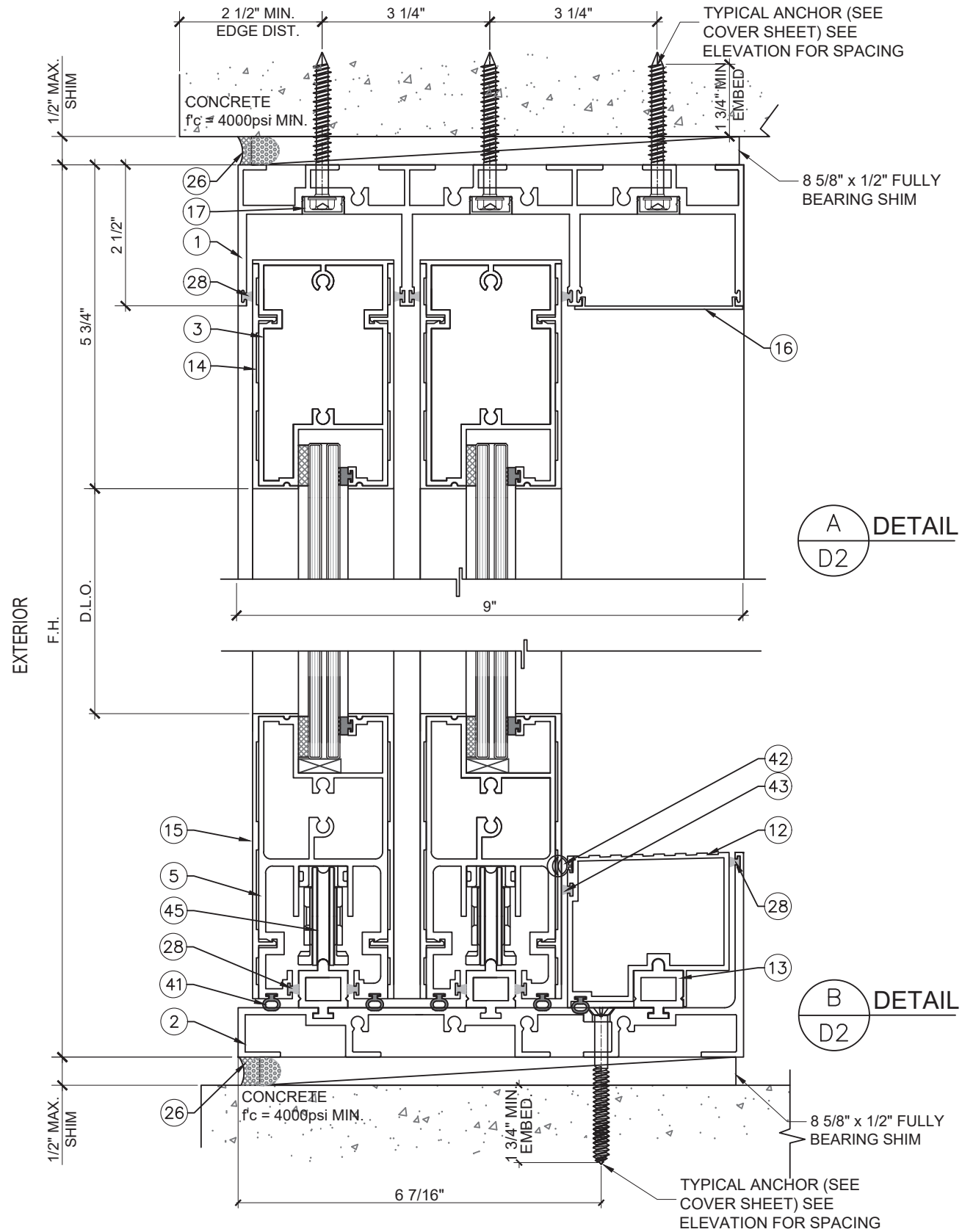
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DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D1

DRAWING NO.
AD21-10

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NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC - 2023

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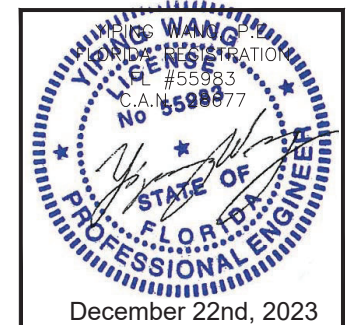
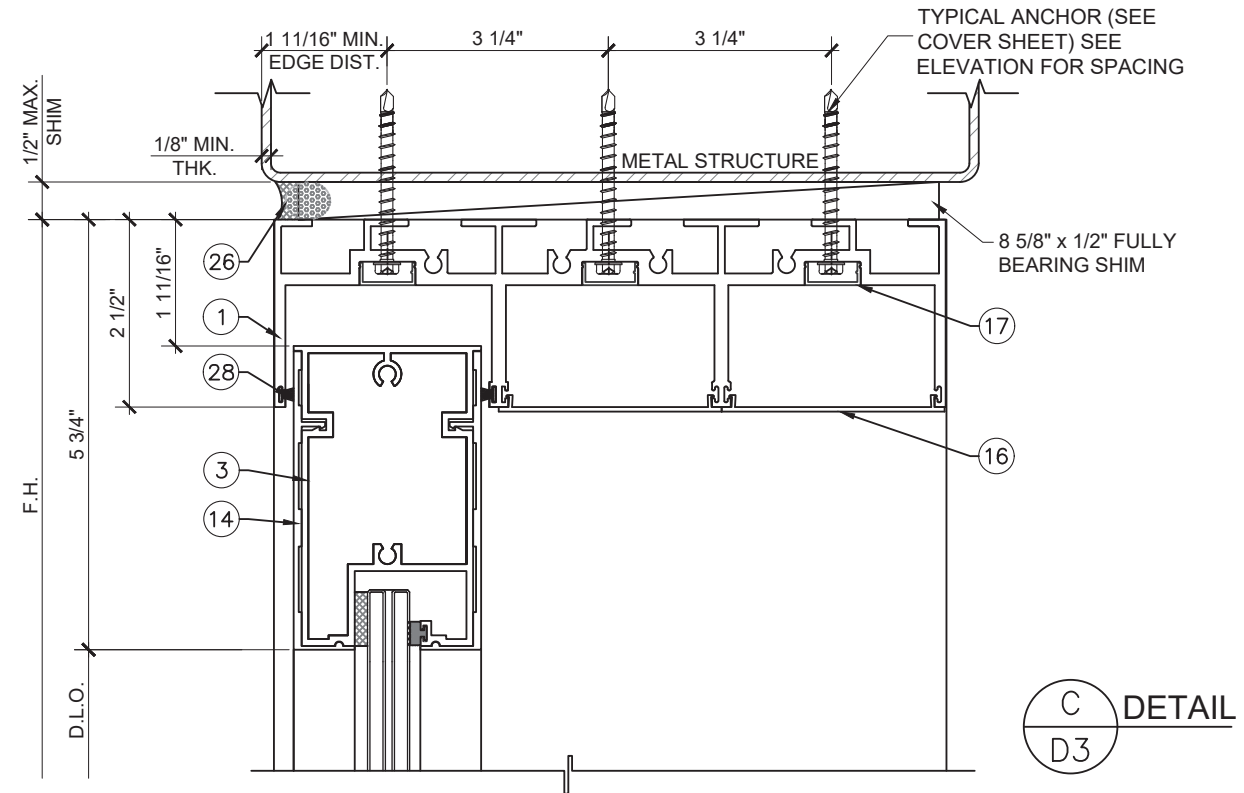
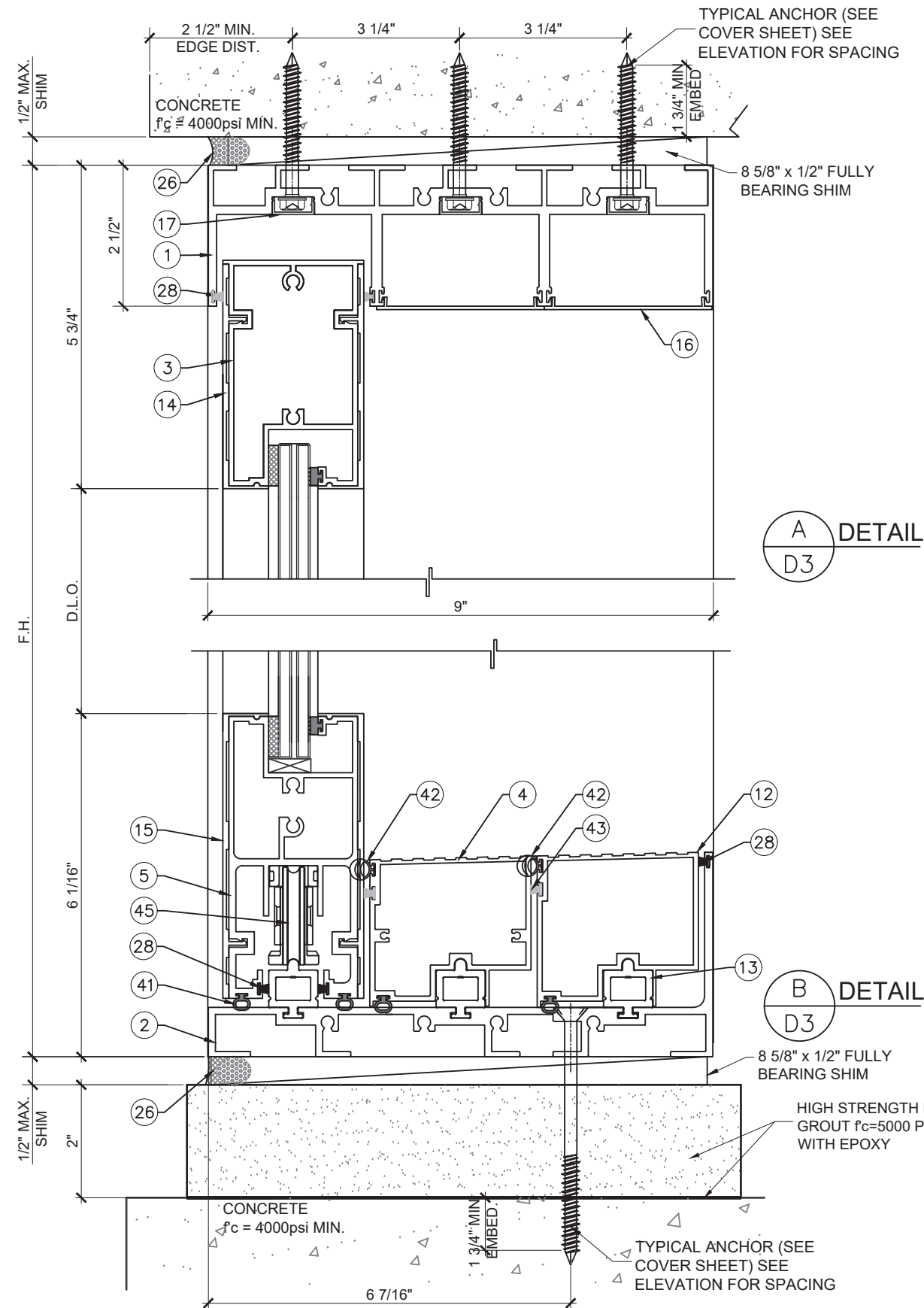
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SCALE	AS NOTED
DRAWN	James
PROJECT	

D2

DRAWING NO.
AD21-10

5 OF 19

EXTERIOR



REVISIONS	
NO.	DATE
R3	12.09.2023
DESCRIPTION	
FBC 2023	

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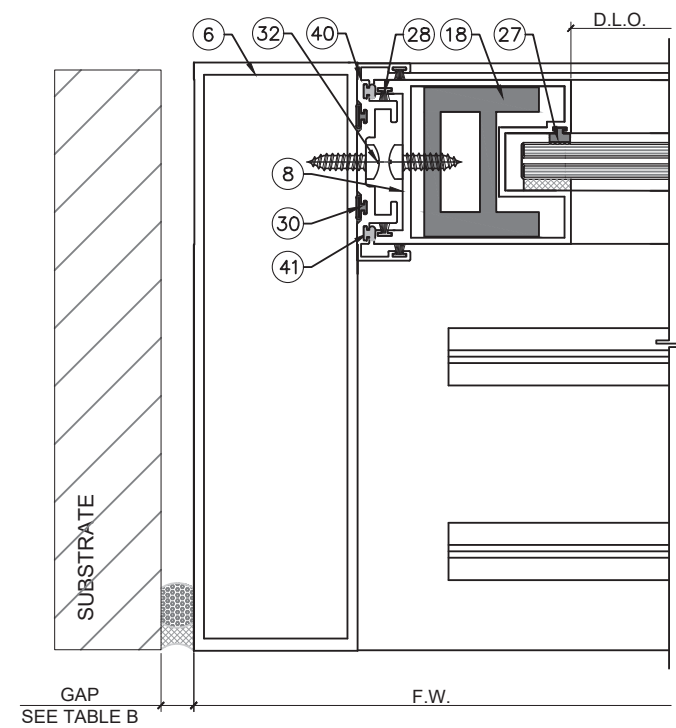
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DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D3

DRAWING NO.
AD21-10

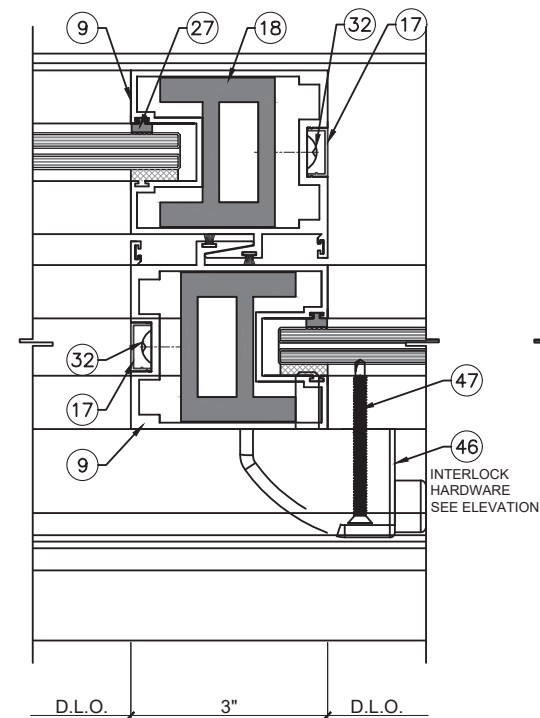
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EXTERIOR

A
D4

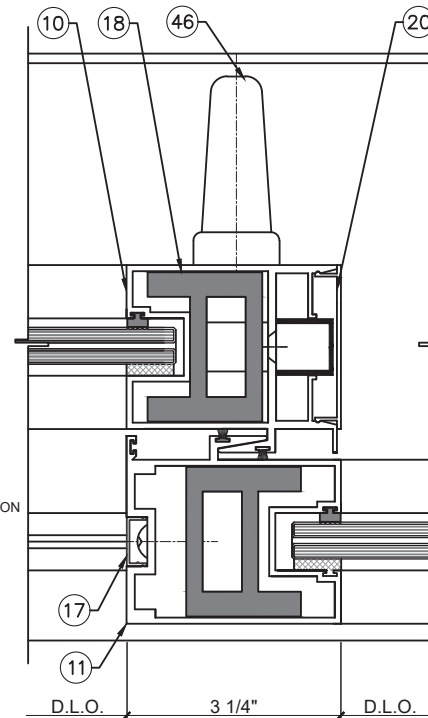
DETAIL



EXTERIOR

B
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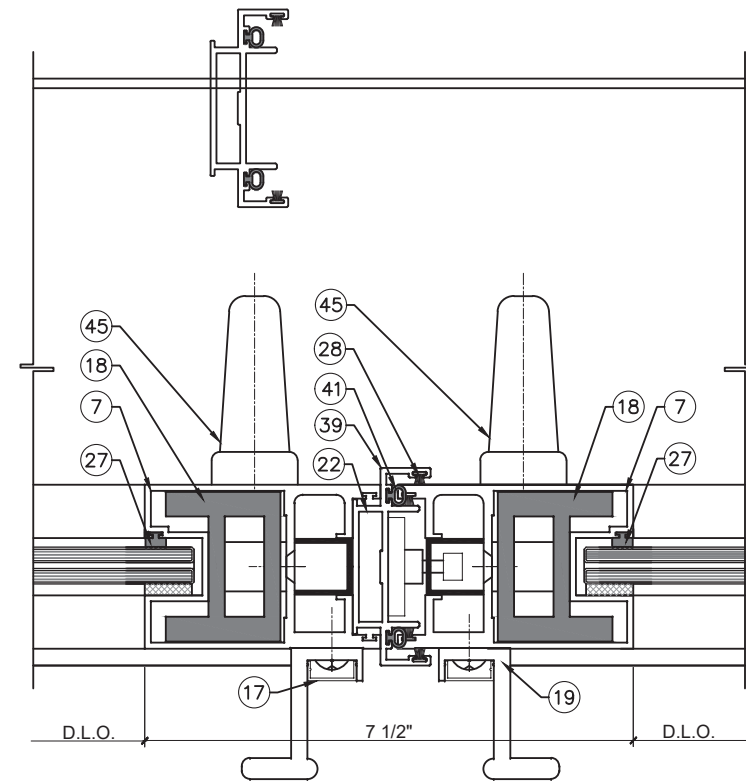
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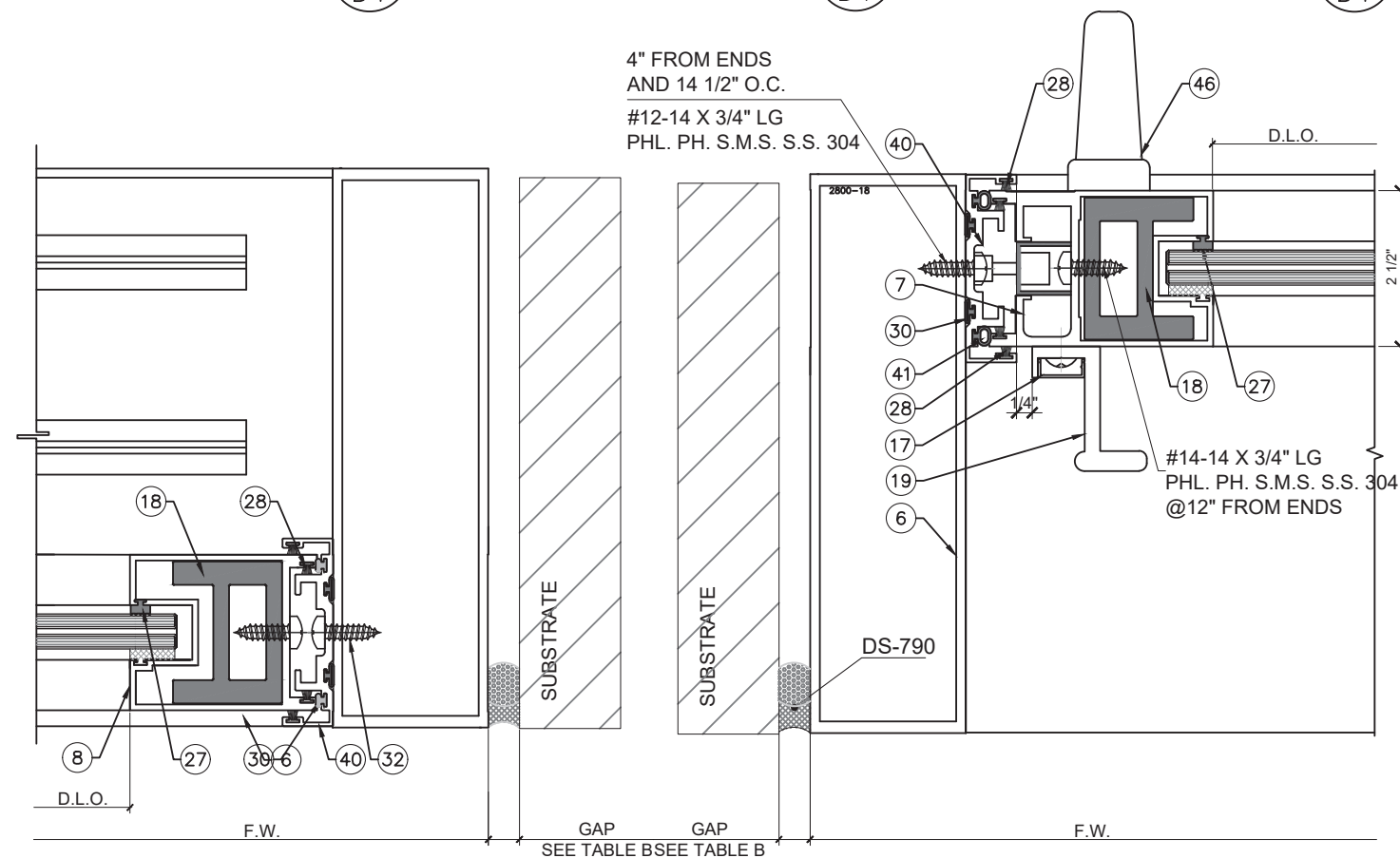
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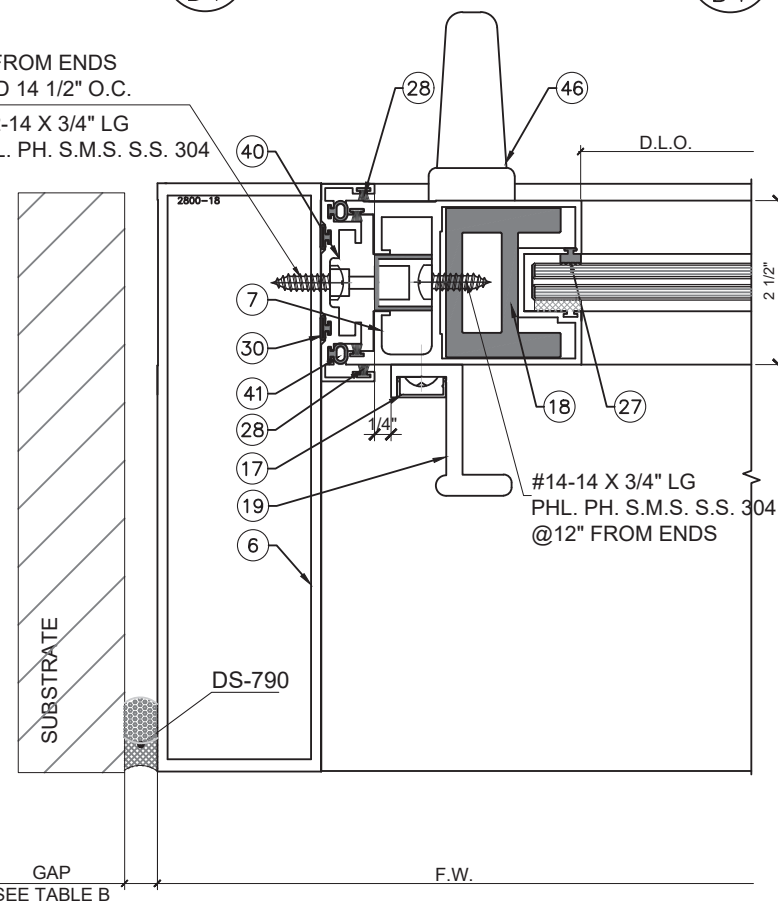
DETAIL



EXTERIOR
D
D4



EXTERIOR
E
D4



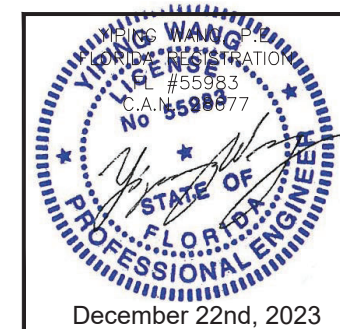
EXTERIOR

F
D4

DETAIL

TABLE B

FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
108"	0.537"	1.50"
114"	0.566"	1.50"
120"	0.596"	1.50"
126"	0.626"	1.50"
132"	0.656"	1.50"
138"	0.686"	1.50"
144"	0.716"	1.50"
148.5"	0.738"	1.50"



REVIEWS		
NO.	DATE	DESCRIPTION
R3	12.09.2023	FBC 2023



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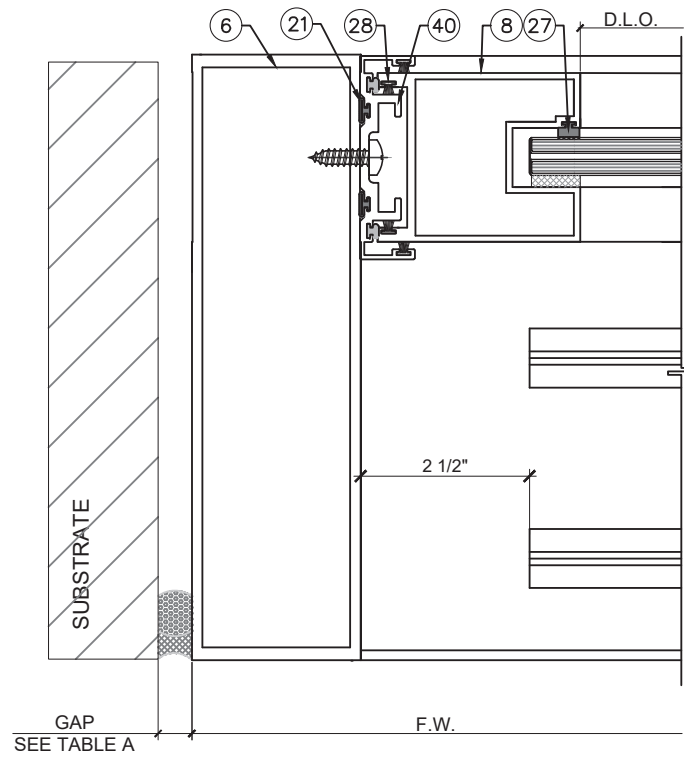
FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

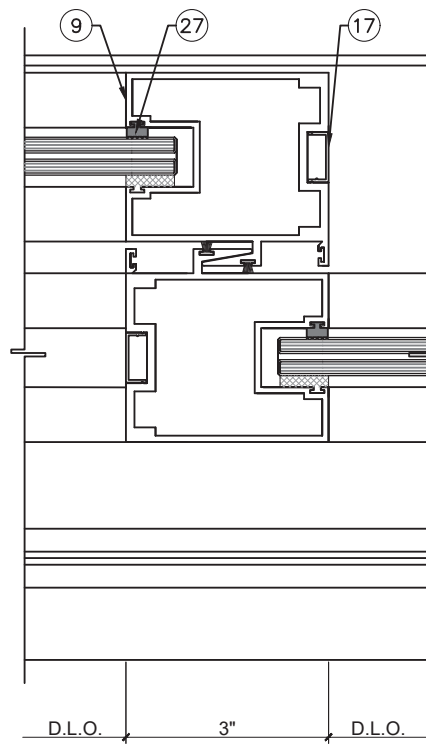
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AD21-10

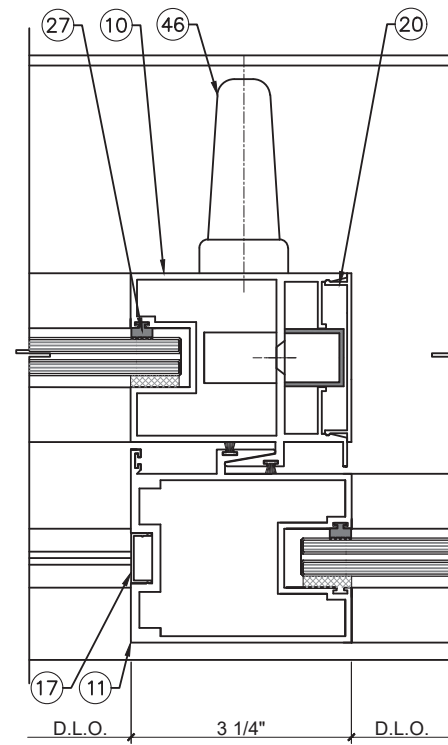
7 OF 19



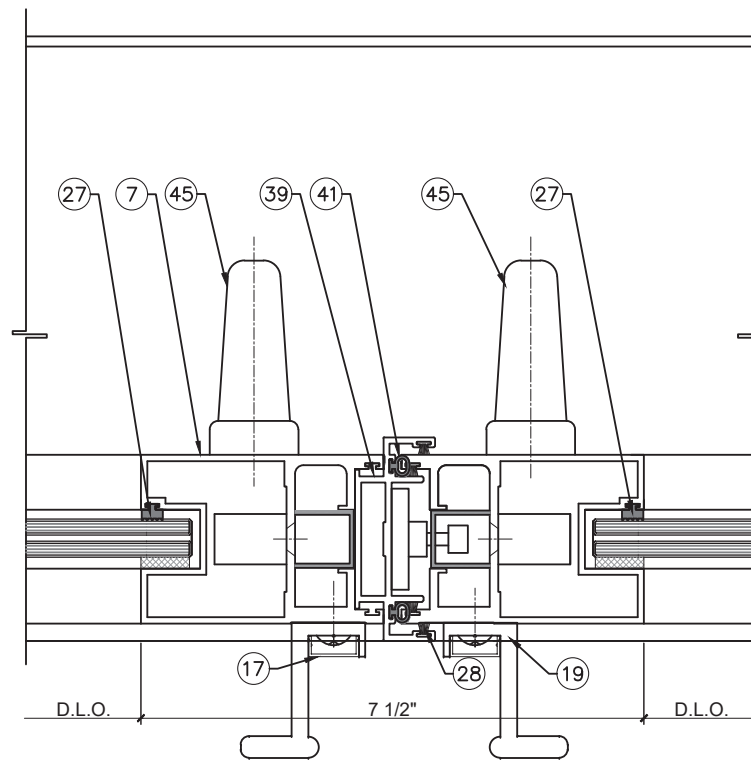
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A
D5
DETAIL



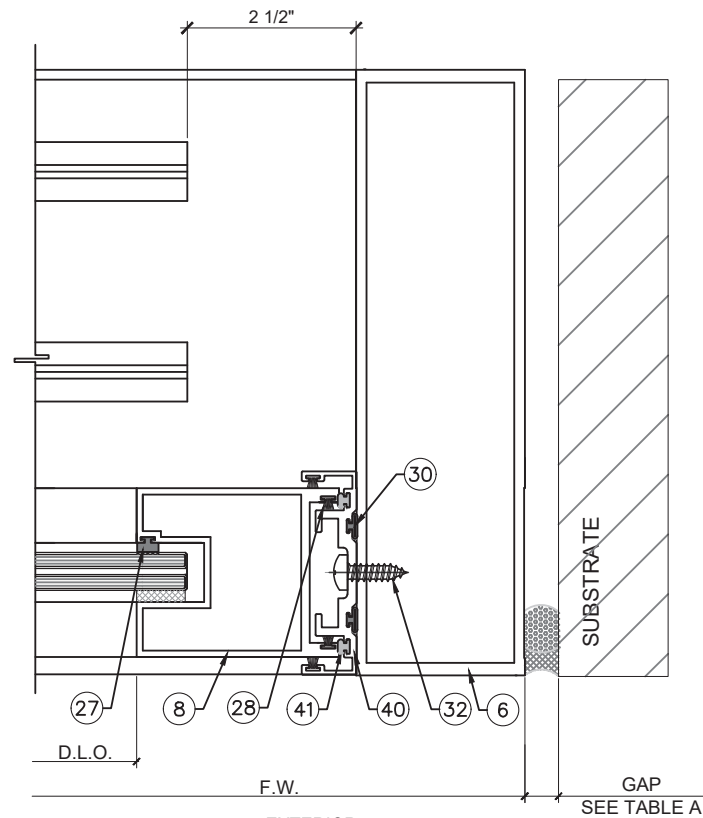
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B
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DETAIL



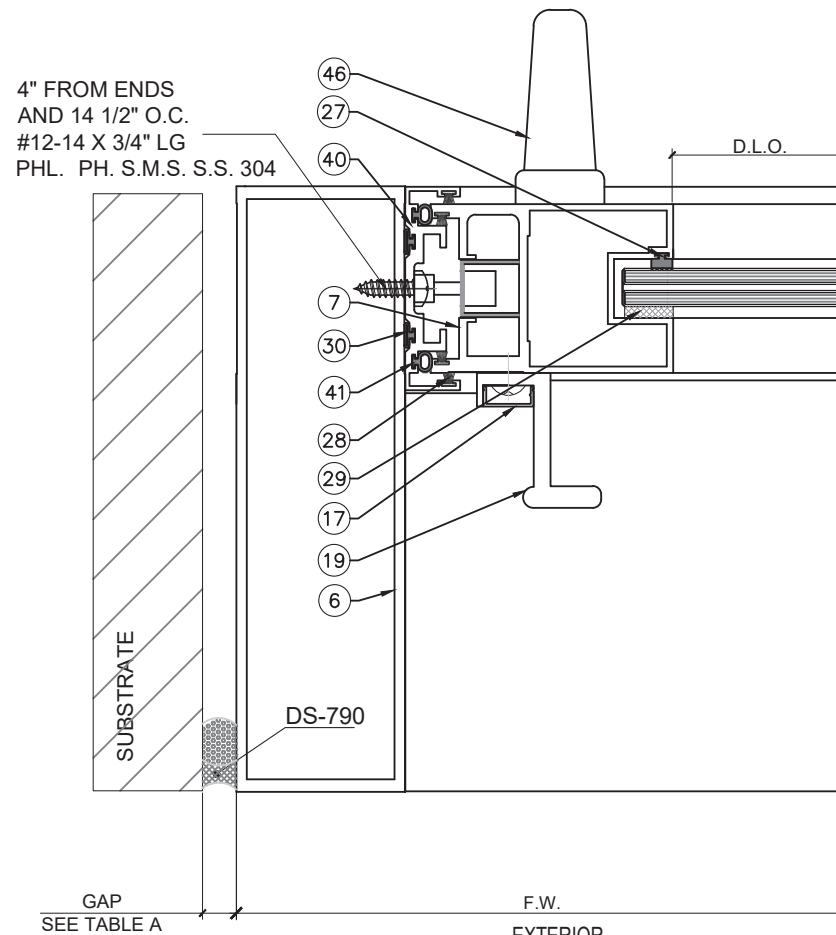
EXTERIOR
C
D5
DETAIL



EXTERIOR
D
D5
DETAIL



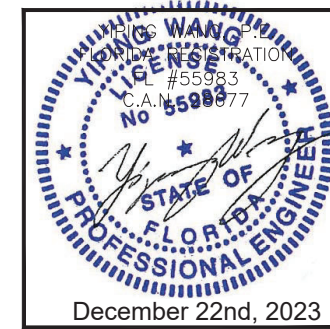
EXTERIOR
E
D5
DETAIL



EXTERIOR
F
D5
DETAIL

TABLE A

MAX. FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
90"	0.447"	1.50"
96"	0.447"	1.50"
102"	0.507"	1.50"
108"	0.537"	1.50"
114"	0.566"	1.50"
120"	0.596"	1.50"
126"	0.626"	1.50"
132"	0.656"	1.50"



NO.	DATE	DESCRIPTION
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FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D5

DRAWING NO.
AD21-10

8 OF 19

EXTERIOR
F.H.

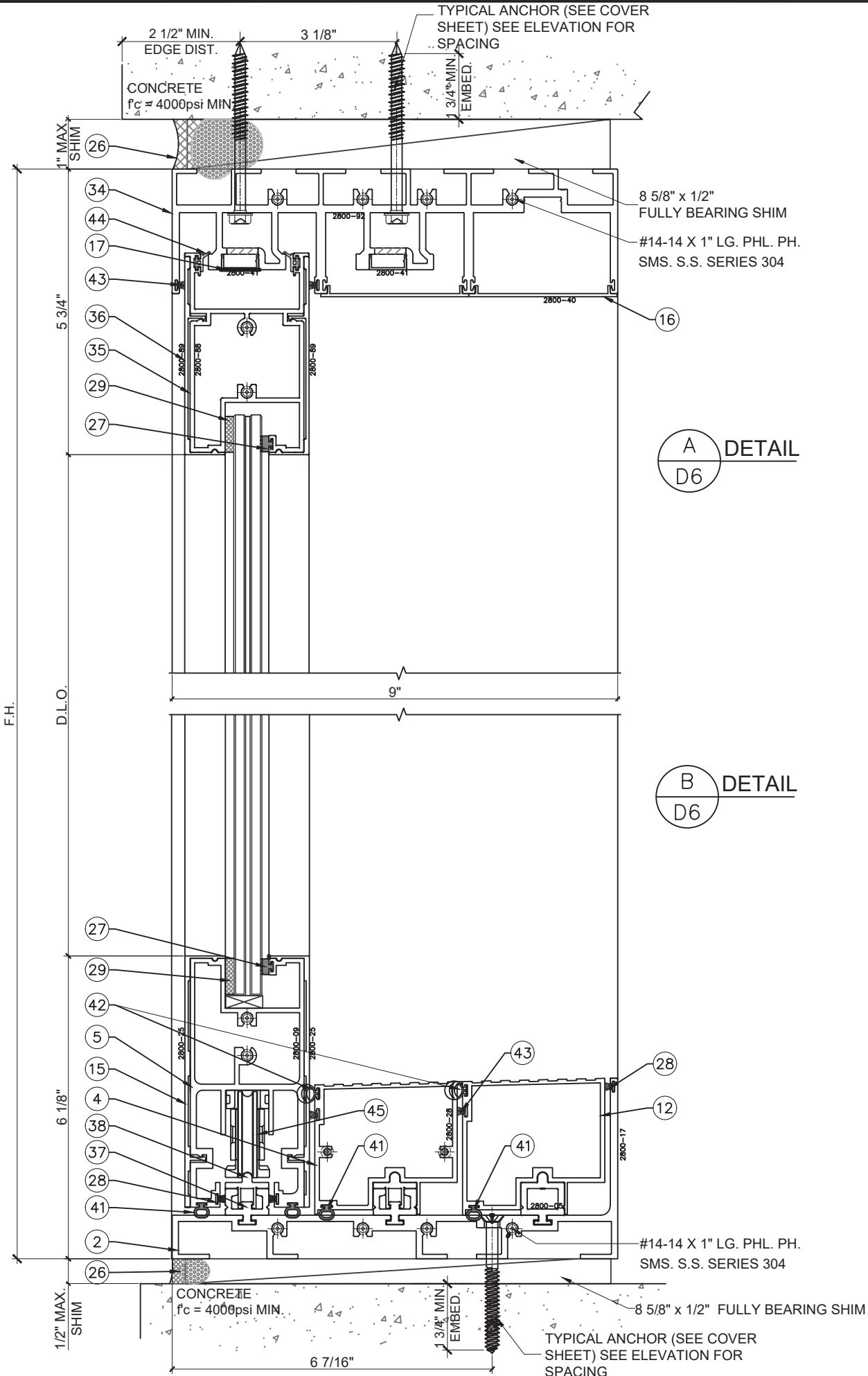
D.L.O.

6 1/8"

1 1/2" MAX.
SHIM

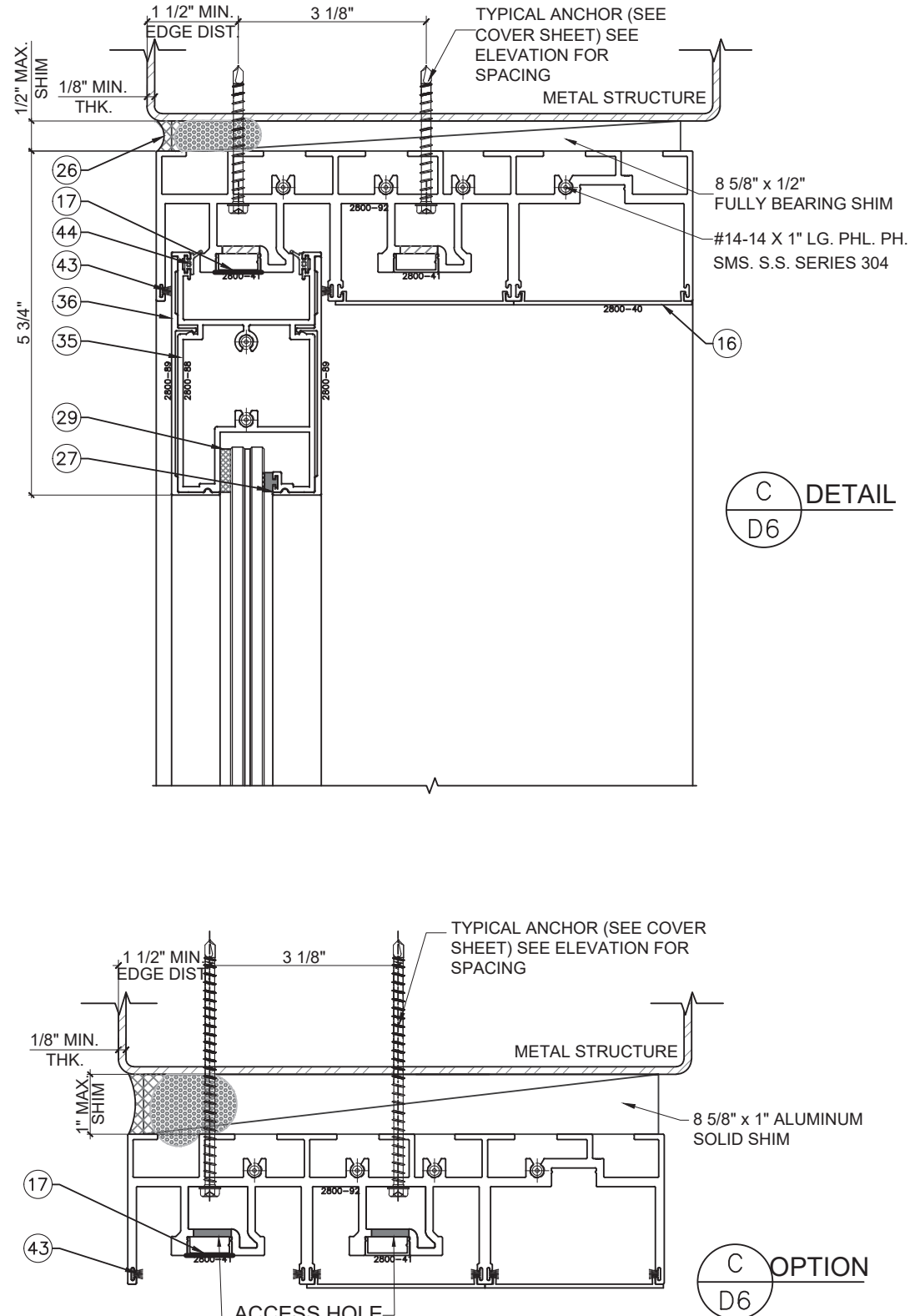
1" MAX.
SHIM

5 3/4"



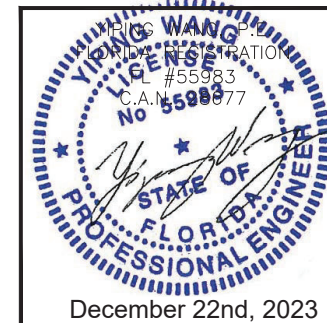
A
D6
DETAIL

B
D6
DETAIL



C
D6
DETAIL

C
D6
OPTION



NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC 2023

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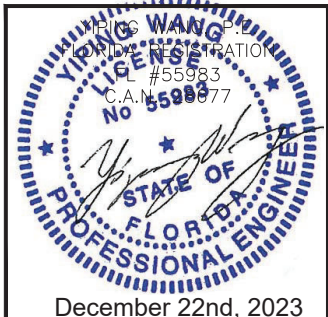
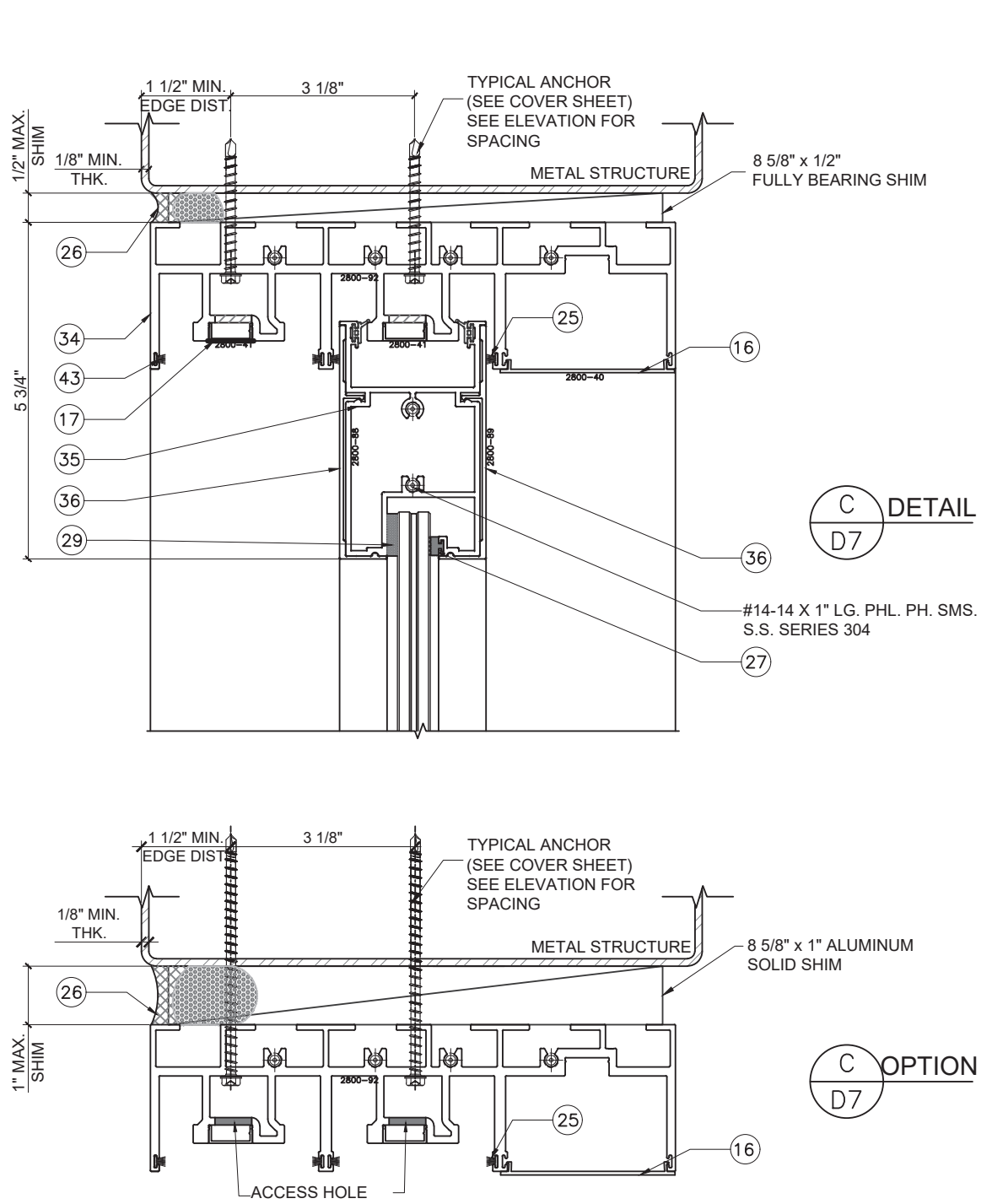
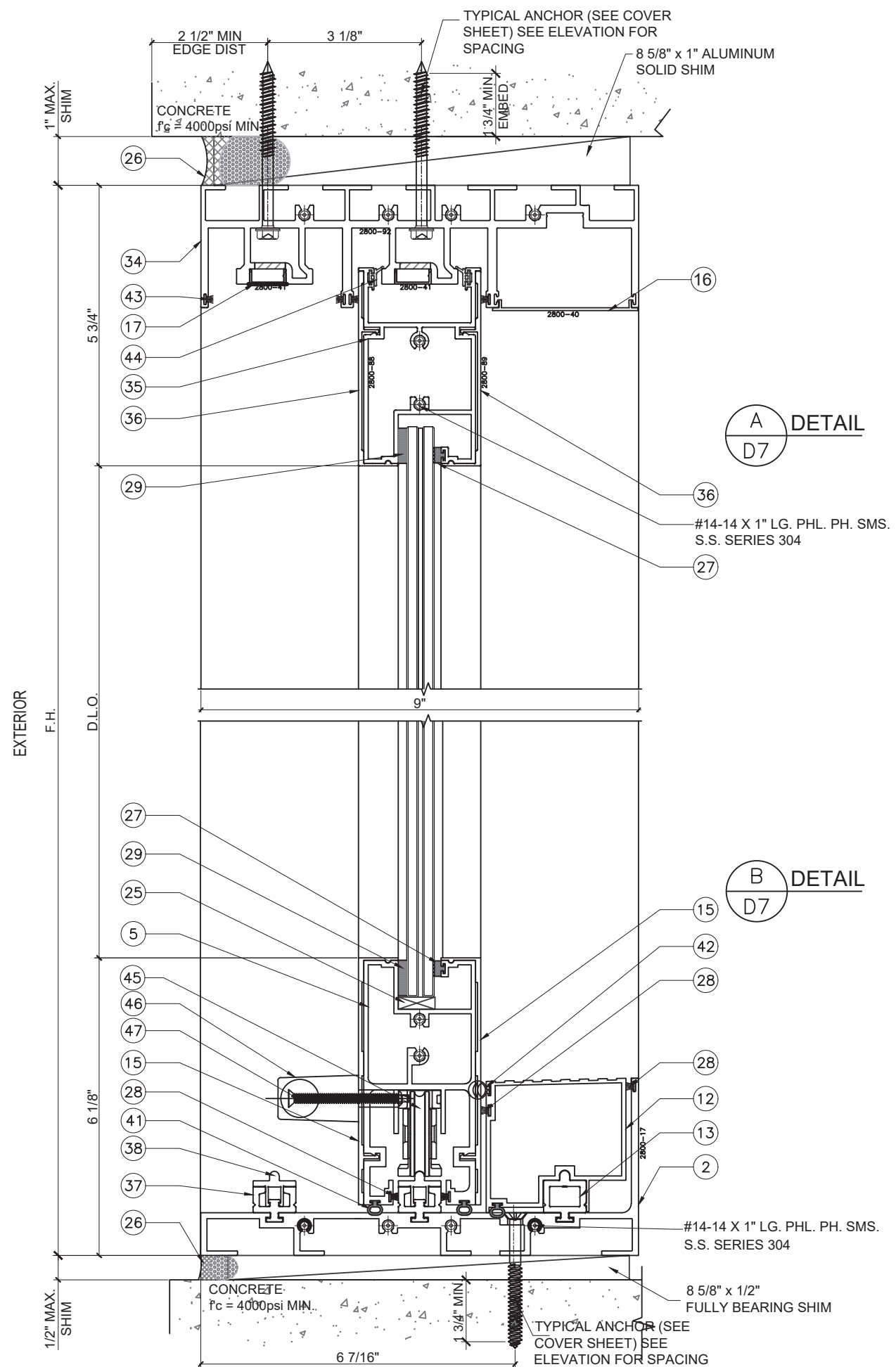
FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D6

DRAWING NO.
AD21-10

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NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC 2023

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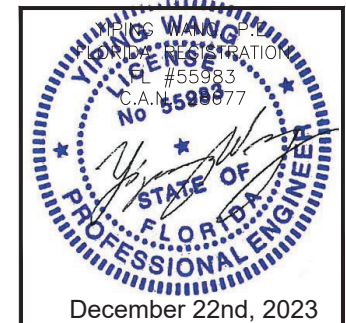
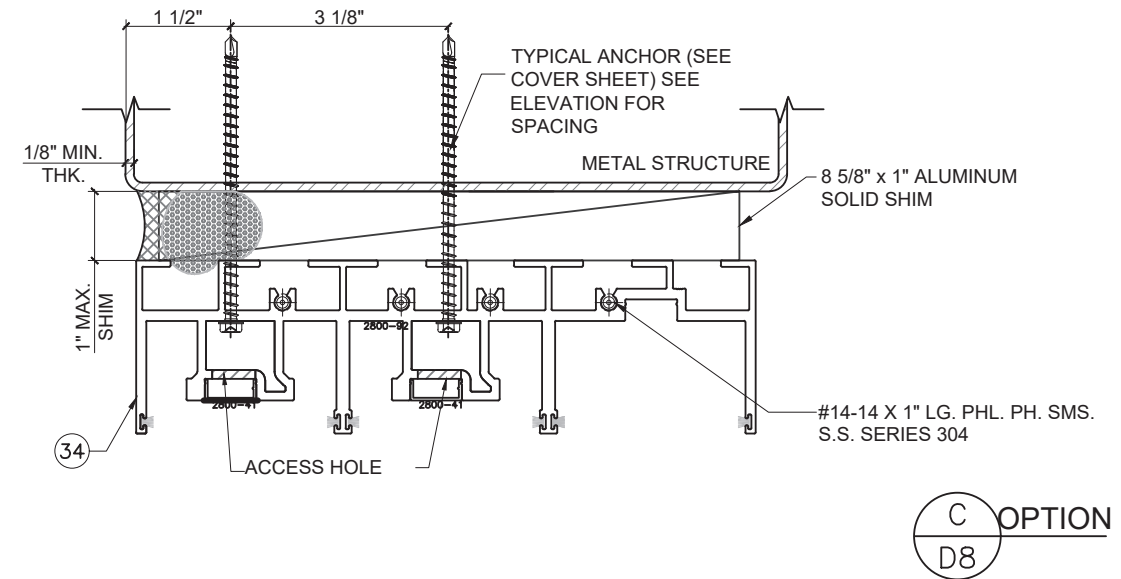
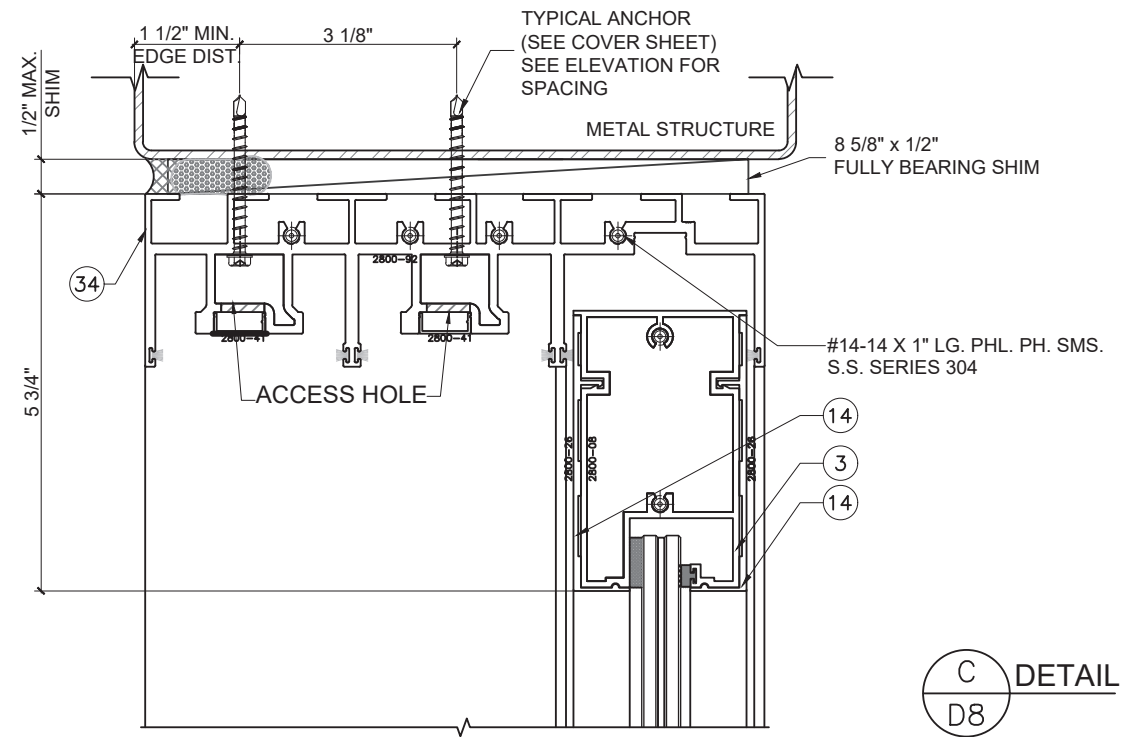
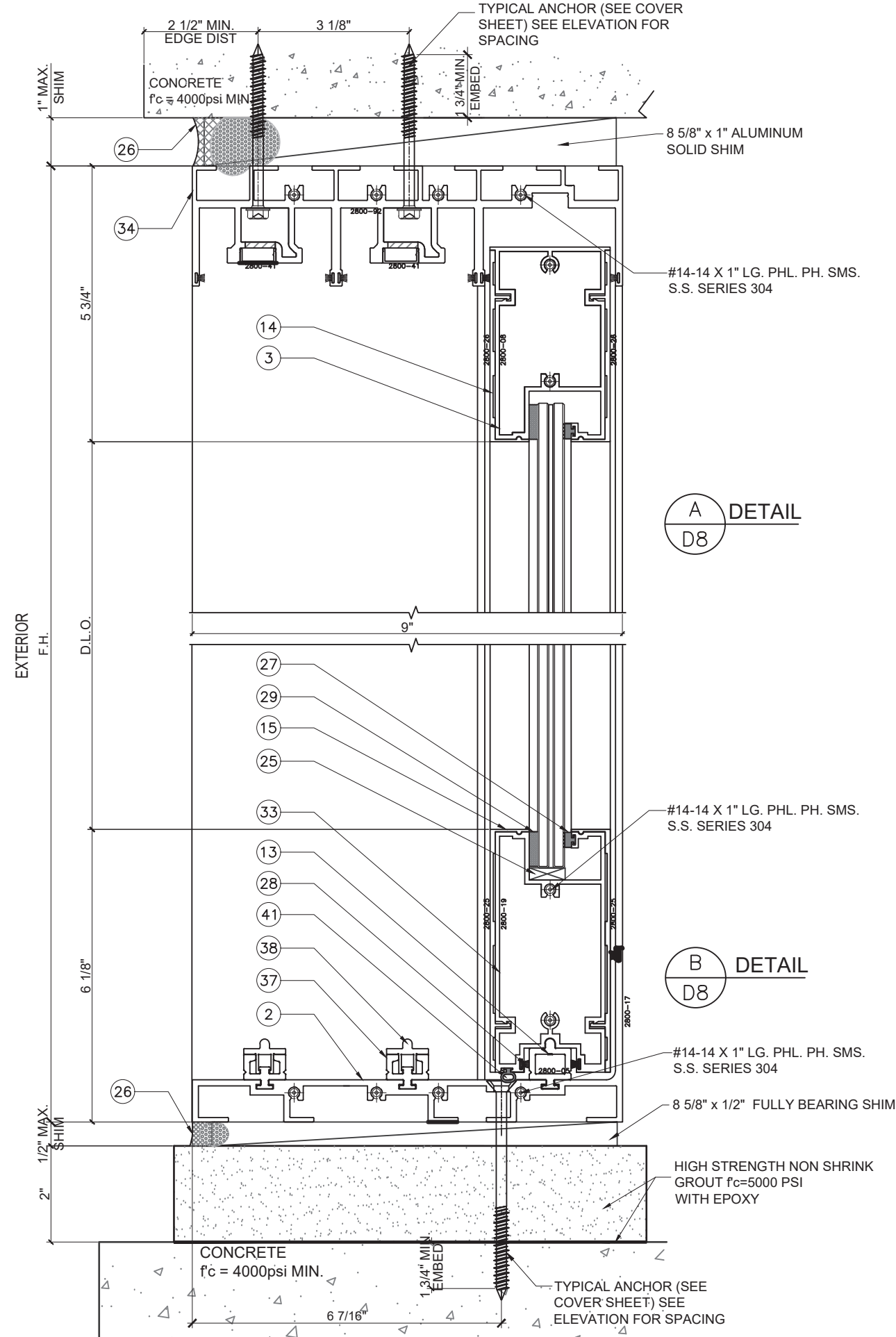
FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D7

DRAWING NO.
AD21-10

10 OF 19



NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC 2023

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DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

D8

DRAWING NO.
AD21-10

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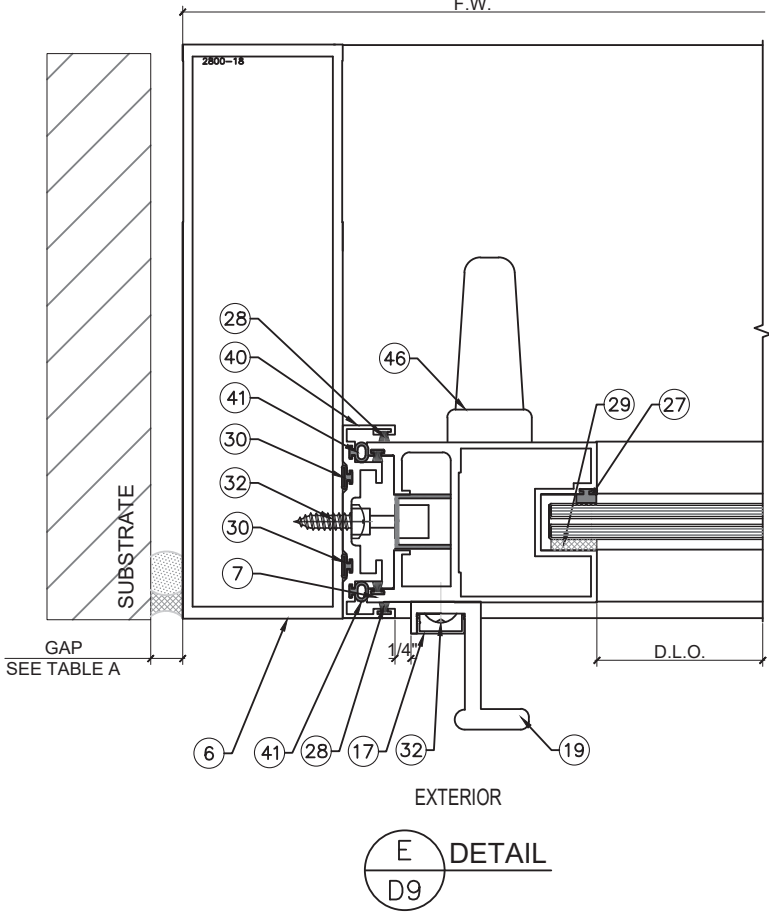
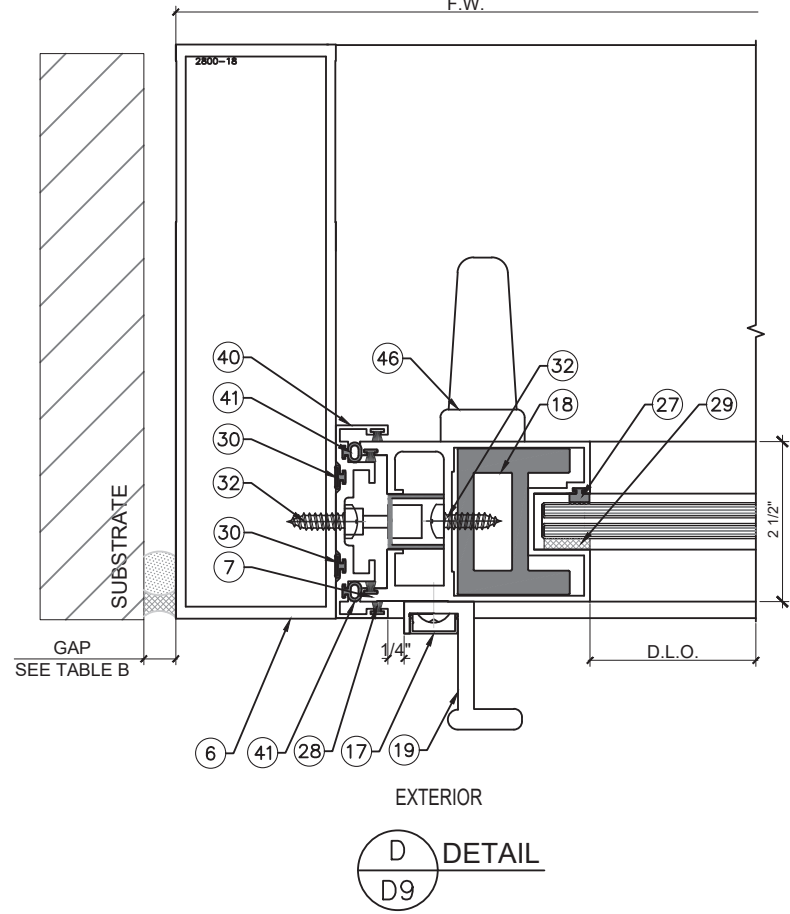
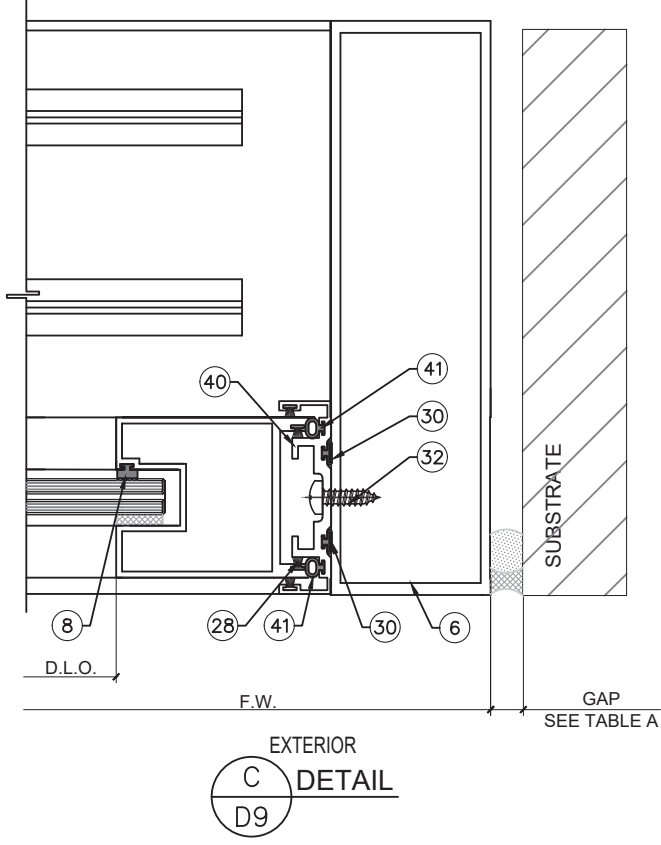
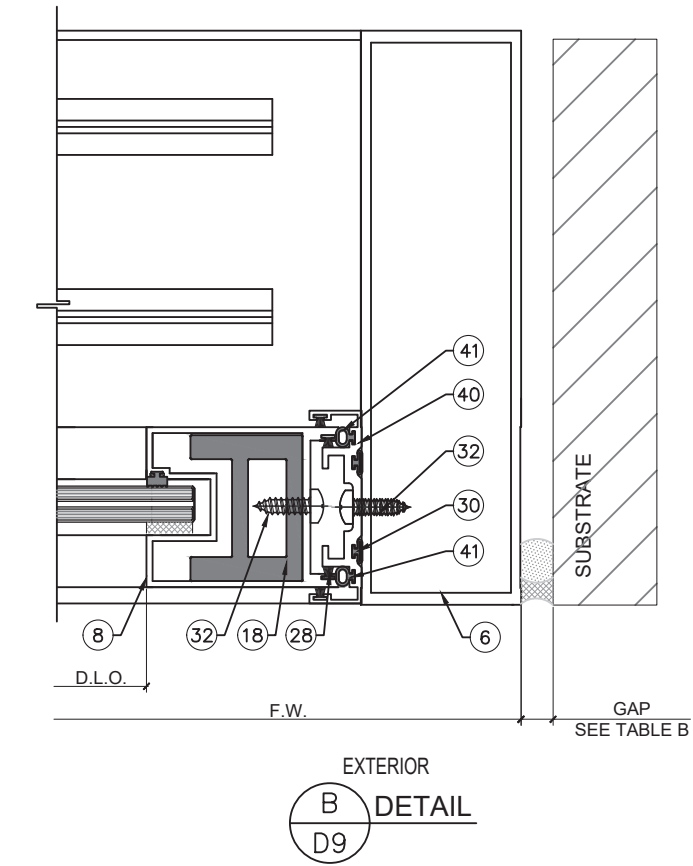
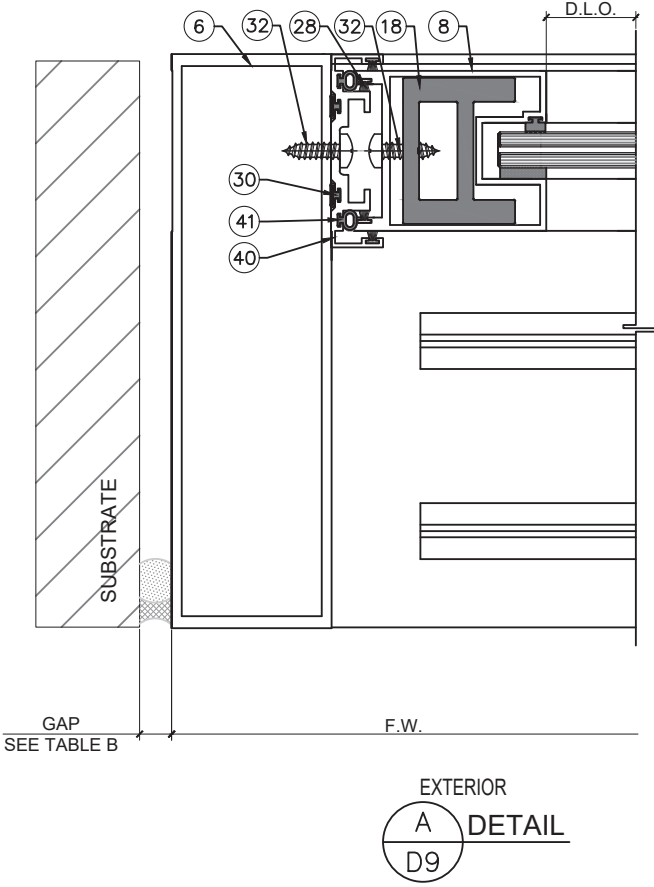
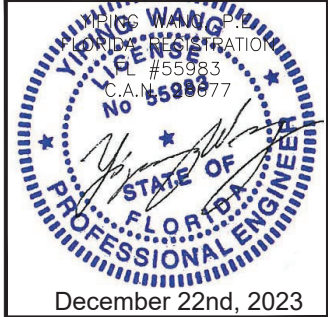


TABLE A

FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
90"	0.447"	1.50"
96"	0.447"	1.50"
102"	0.507"	1.50"
108"	0.537"	1.50"
114"	0.566"	1.50"
120"	0.596"	1.50"
126"	0.626"	1.50"
132"	0.656"	1.50"

TABLE B

FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
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114"	0.566"	1.50"
120"	0.596"	1.50"
126"	0.626"	1.50"
132"	0.656"	1.50"
138"	0.686"	1.50"
144"	0.716"	1.50"
148.5"	0.738"	1.50"



REVISONS

NO.	DATE	DESCRIPTION
R3	12.09.2023	FBC 2023

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DRAWN	James
PROJECT	

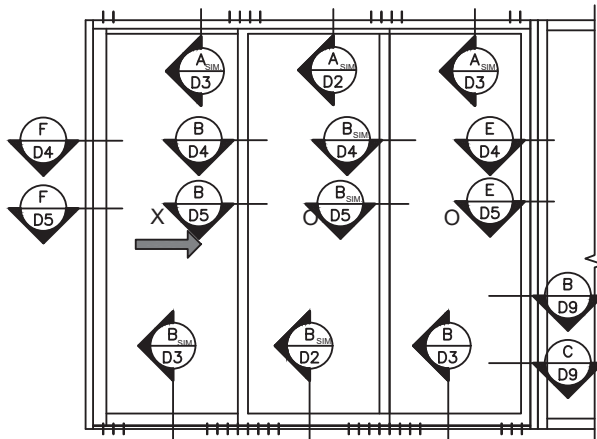
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DRAWING NO.
AD21-10

12 OF 19

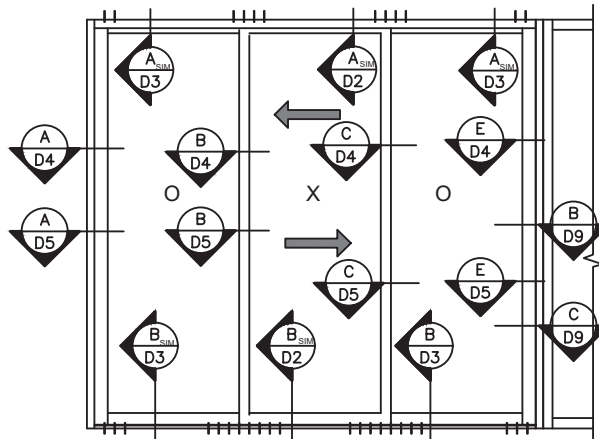
TYPICAL SGD OPTIONAL CONFIGURATIONS
WITH & WITHOUT REINFORCEMENT
132" FRAME HEIGHT

ALL SGD TYPES CAN BE USED WITH OR WITHOUT WINDOW
WALL CGS SYSTEM AT EITHER SIDE OF SGD. WINDOW WALL
SYSTEM IS UNDER SEPARATE PRODUCT APPROVAL.



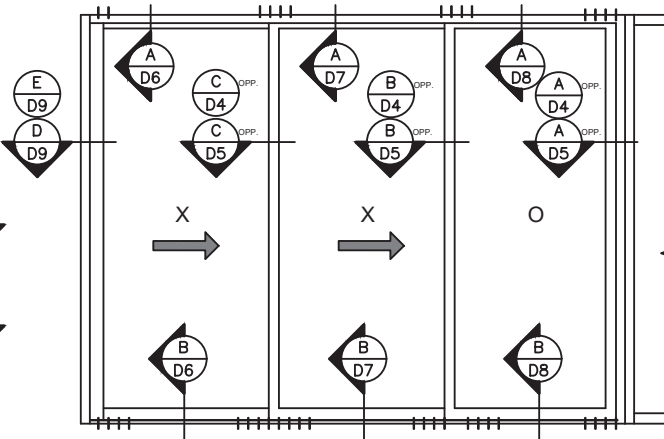
(3) PANELS SGD XOO

X O O
O=FIXED PANEL
X=MOVING PANEL
O O X



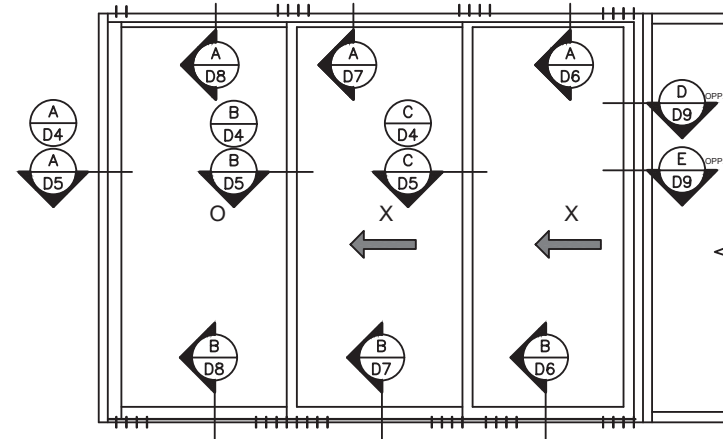
(3) PANELS SGD OXO

O X O
O=FIXED PANEL
X=MOVING PANEL
O X O



(3) PANELS SGD XXO

X X O
O=FIXED PANEL
X=MOVING PANEL

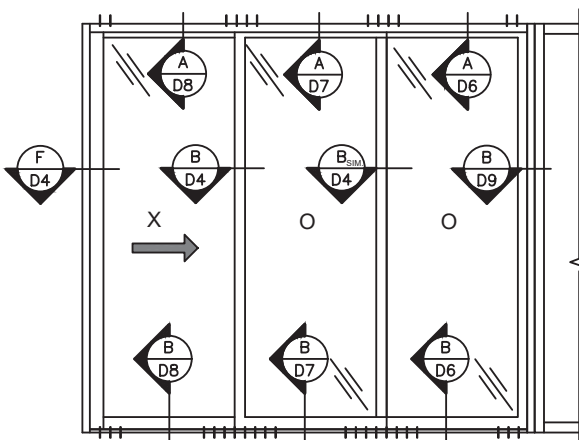


(3) PANELS SGD OXX

O X X
O=FIXED PANEL
X=MOVING PANEL

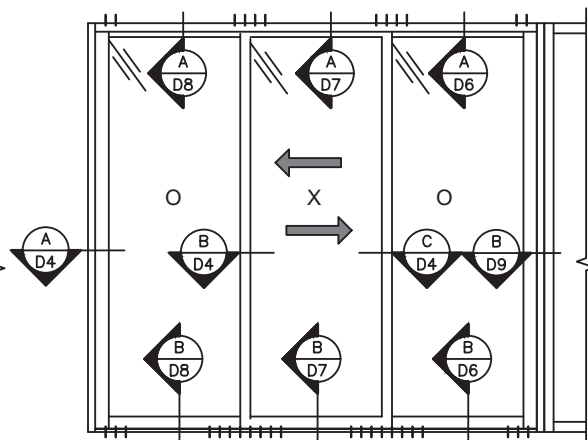
TYPICAL SGD OPTIONAL CONFIGURATIONS
WITH REINFORCEMENT
148 1/2" FRAME HEIGHT

ALL SGD TYPES CAN BE USED WITH OR WITHOUT WINDOW
WALL CGS SYSTEM AT EITHER SIDE OF SGD. WINDOW WALL
SYSTEM IS UNDER SEPARATE PRODUCT APPROVAL.



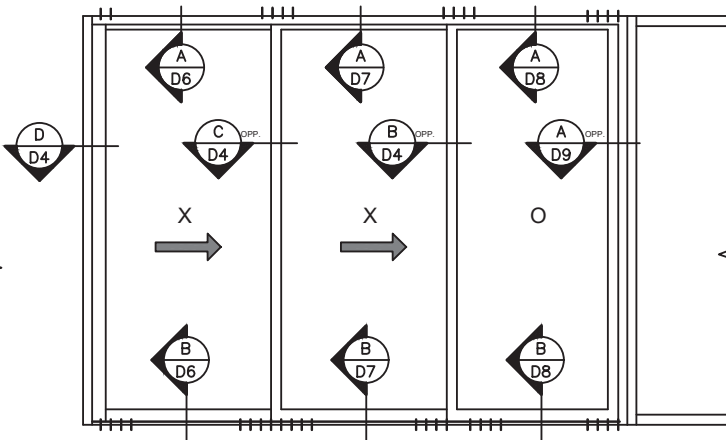
(3) PANELS SGD XOO

X O O
O=FIXED PANEL
X=MOVING PANEL
O O X



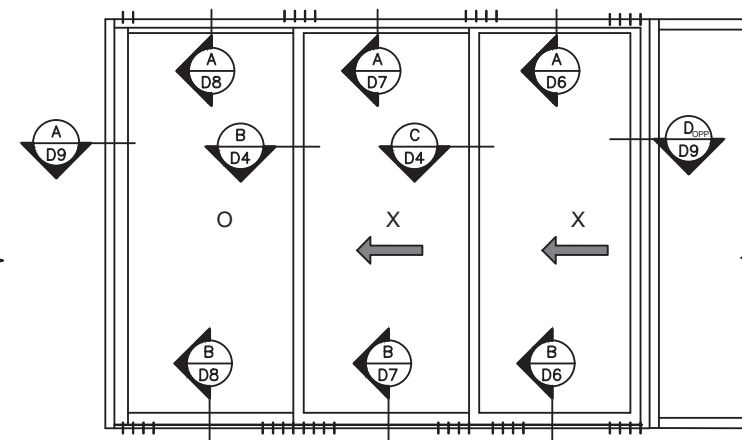
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O X O
O=FIXED PANEL
X=MOVING PANEL
O X O



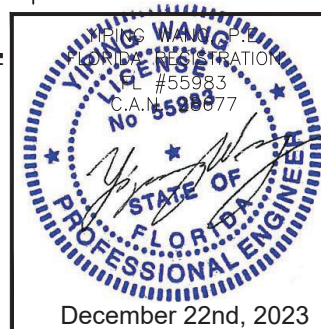
(3) PANELS SGD XXO

X X O
O=FIXED PANEL
X=MOVING PANEL



(3) PANELS SGD OXX

O X X
O=FIXED PANEL
X=MOVING PANEL



REVISIONS	
NO.	DATE
R3	12.09.2023

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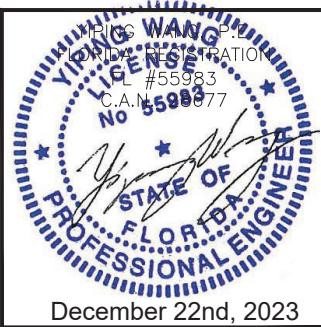
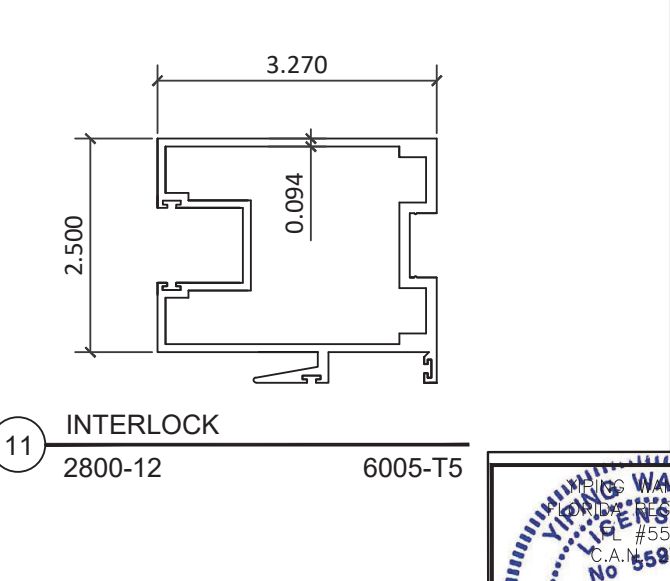
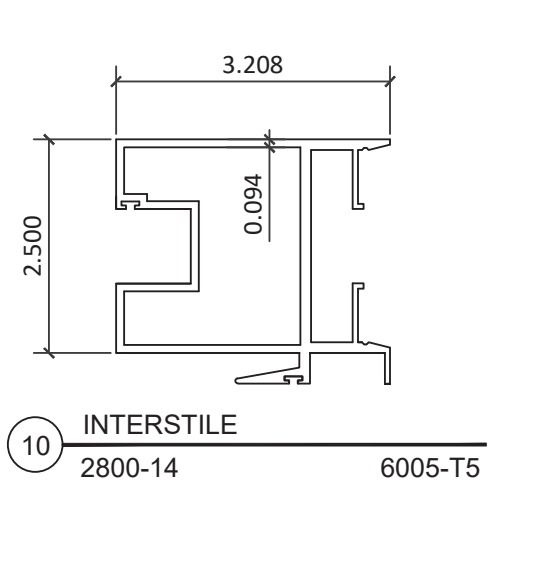
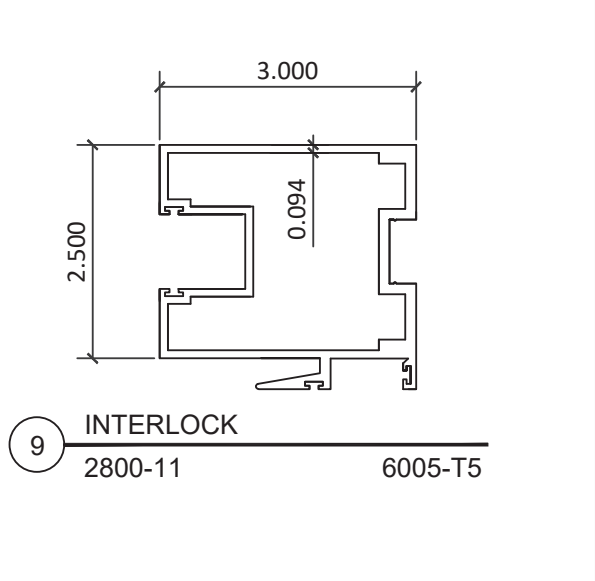
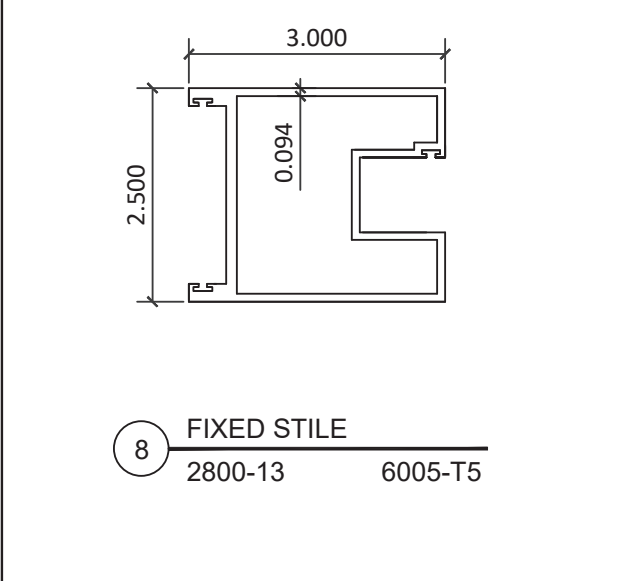
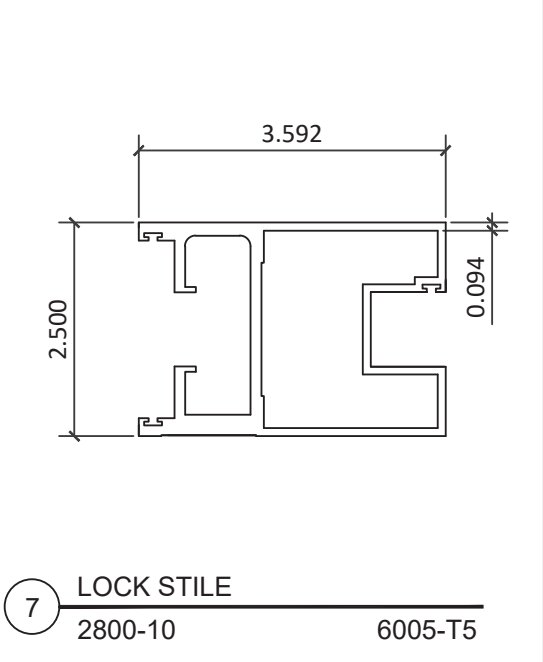
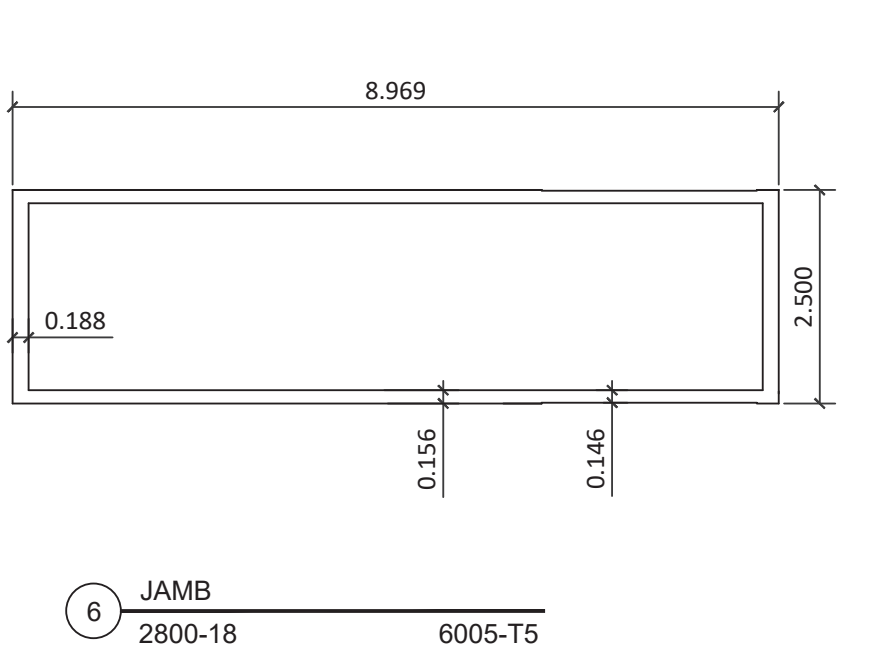
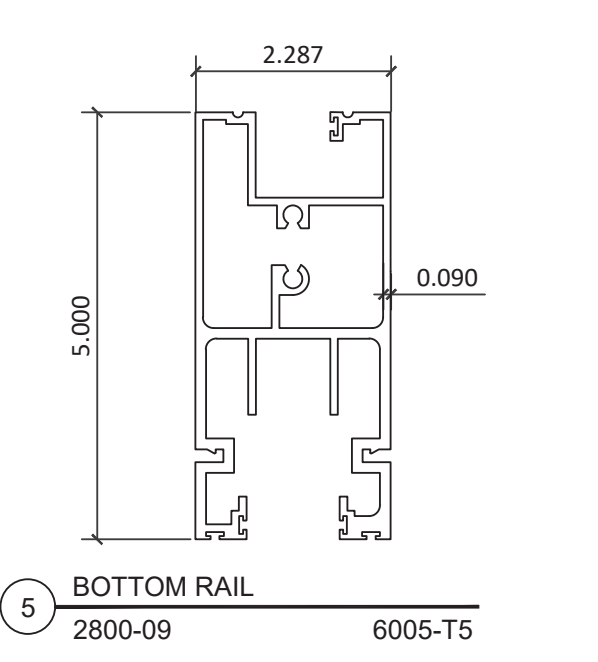
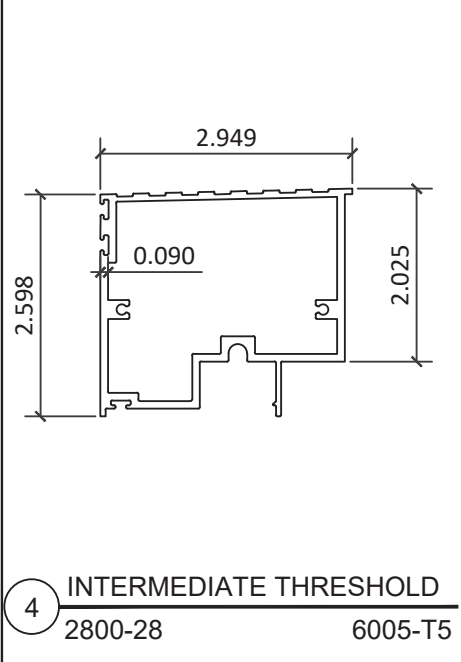
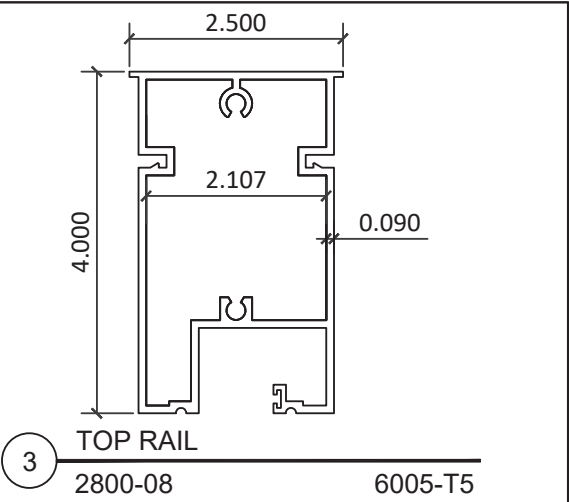
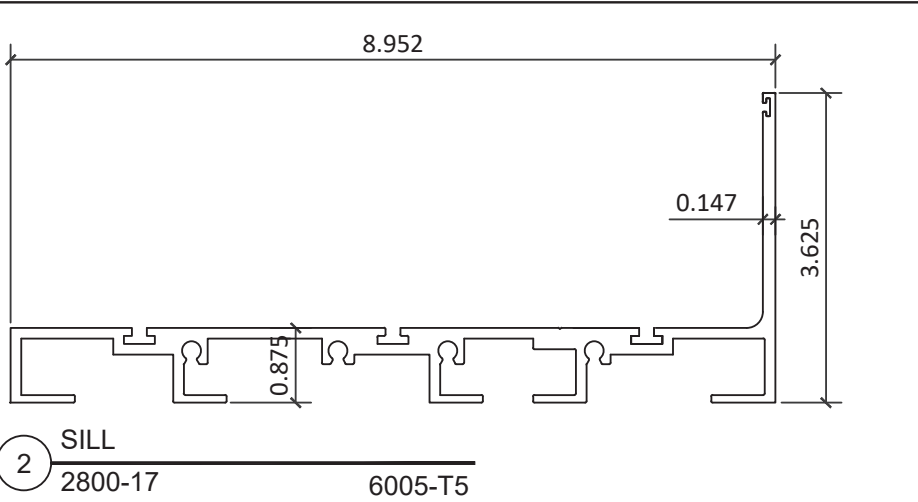
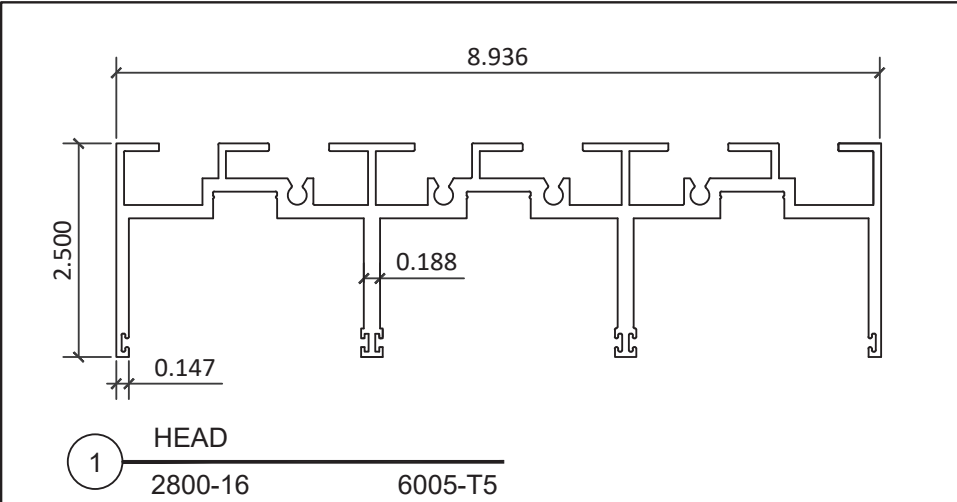
325 WEST 74 PLACE HIALEAH, FL33014
TEL.: (305) 231.1101

FL#19733.4

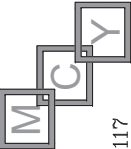
DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

CONFIGURATIONS

DRAWING NO.
AD21-10



REVISIONS	
NO.	DATE
R3	12.09.2023
DESCRIPTION	
FBC 2023	

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325 WEST 74 PLACE HIALEAH, FL33014
TEL.: (305) 231.1101

FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

PARTS

DRAWING NO.
AD21-10

12

THRESHOLD

2800-246063-T6

13

SILL TRACK

2800-056005-T5

14

TOP COVER

2800-266063-T6

15

BOTTOM COVER

2800-256063-T6

16

COVER HEAD

2800-406063-T6

17

HEAD SCREW COVER

2800-416000-T5

18

REINFORCEMENT

2800-236005-T5

19

HANDLE

2800-206005-T5

20

INTERSTILE COVER

2800-276063-T6

33

FIXED PANEL BOTTOM RAIL

2800-196005-T5

REVISIONS

NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC - 2023

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PROJECT	

PARTS

DRAWING NO.

AD21-10

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YONG WANG, P.E.

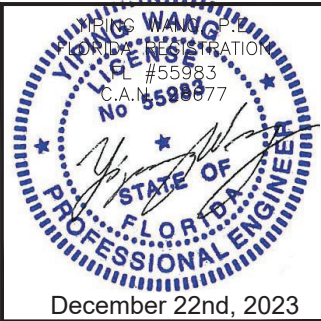
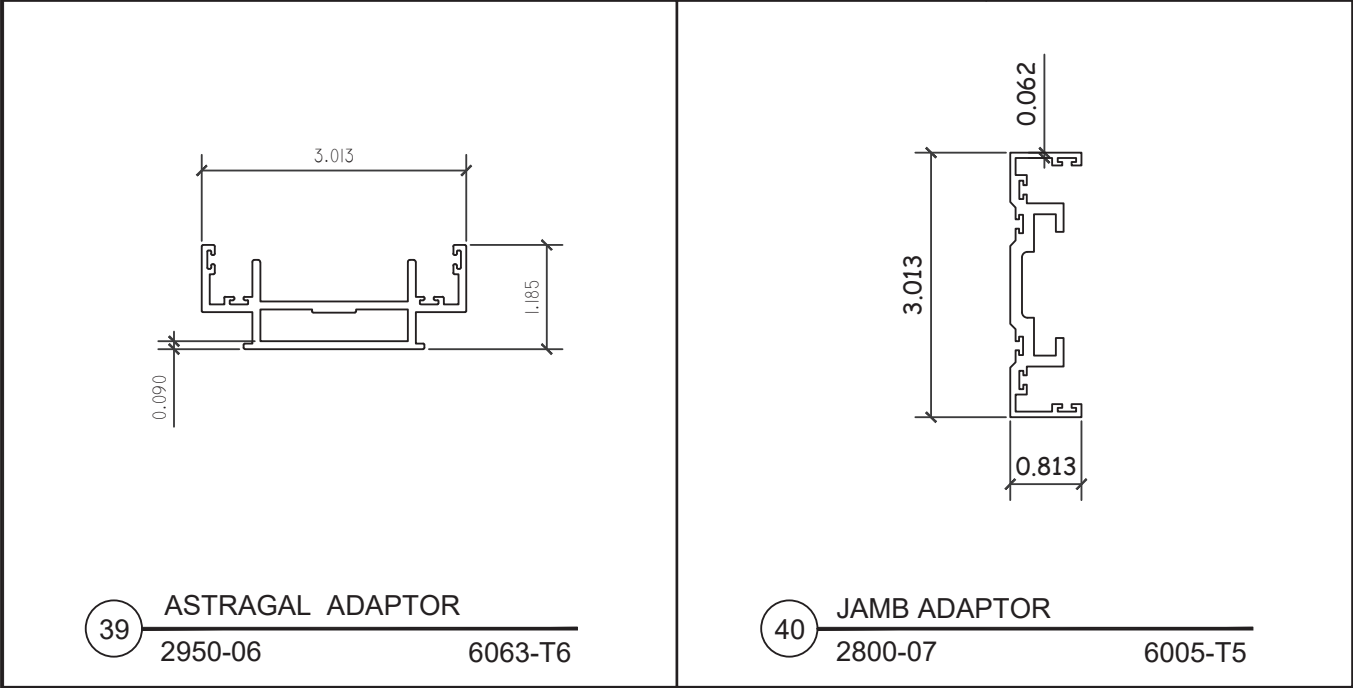
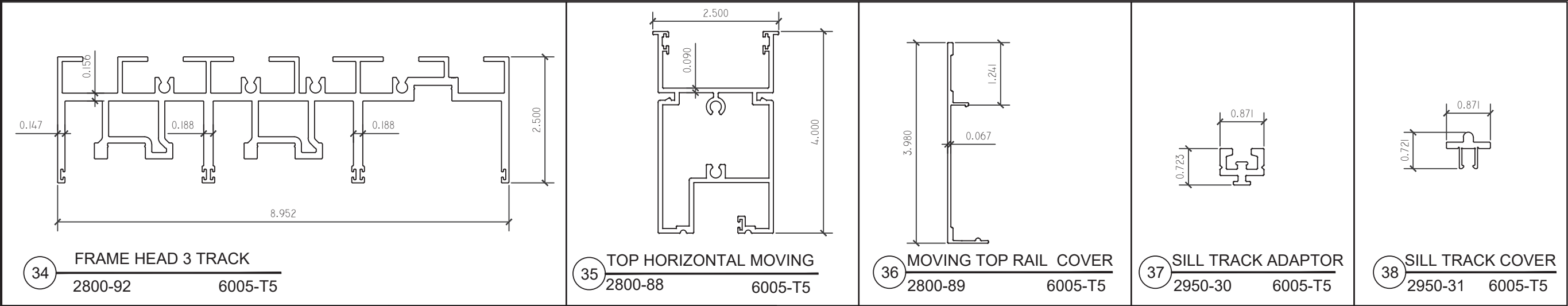
PROFESSIONAL ENGINEER

STATE OF FLORIDA

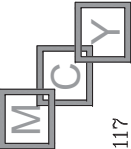
REGISTRATION NO. 55983

C.A.N. 5598377

December 22nd, 2023



REVISIONS	
NO.	DATE DESCRIPTION
R3	12.09.2023 PBC 2023

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FL#19733.4	
DATE	12.09.2023
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DRAWN	James
PROJECT	
PARTS	
DRAWING NO. AD21-10	
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BILL OF MATERIALS				
ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	2800-16	HEAD	ALUM. 6005-T5	-
2	2800-17	SILL	ALUM. 6005-T5	-
3	2800-08	TOP RAIL	ALUM. 6005-T5	-
4	2800-28	FRONT THRESHOLD	ALUM. 6005-T5	-
5	2800-09	BOTTOM RAIL	ALUM. 6005-T6	-
6	2800-18	JAMB	ALUM. 6005-T5	-
7	2800-10	LOCK STILE	ALUM. 6005-T5	-
8	2800-13	FIXED STILE	ALUM. 6005-T5	-
9	2800-11	INTERLOCK	ALUM. 6005-T5	-
10	2800-14	INTERSTILE	ALUM. 6005-T5	-
11	2800-12	INTERLOCK	ALUM. 6005-T5	-
12	2800-24	THRESHOLD	ALUM. 6063-T6	-
13	2800-05	SILL TRACK	ALUM. 6005-T5	-
14	2800-26	TOP COVER	ALUM. 6063-T6	-
15	2800-25	BOTTOM COVER	ALUM. 6063-T6	-
16	2800-40	COVER HEAD	ALUM. 6063-T6	-
17	2800-41	HEAD SCREW COVER	ALUM. 6000-T5	-
18	2800-23	REINFORCEMENT	ALUM. 6005-T5	-
19	2800-20	HANDLE	ALUM. 6005-T5	-
20	2800-27	INTERSTILE COVER	ALUM. 6063-T6	-
21	NOT USED			
22	NOT USED			
25	-	1/4" X 3/4" X 6" SETTING BLOCK , 70 DUROMETER	SILICONE	-
26	-	DS790 CONT. PERIMETER SEALANT AND BACKER ROD	SILICONE	-
27	CGS01	GLAZING GASKET	POLYPROPYLENE / SANTOPRENE	ULTRA FAB
28	W21251NK	FIN-SEAL 0.187" X 0.250" HT W21251NK	-	ULTRA FAB
29	-	DOW CORNING STRUCTURAL SEALANT DS983 / DS795 / DS995 / DS121	SILICONE	DOW CORNING
30	E202	0.187 T-SLOT X 0.290 HIGH	-	ULTRA FAB
31	-	#14 P.H. S.S. SMS. 1" LONG	STAINLESS STEEL	-
32	-	#12-14 X 3/4 P.H. S.S. SMS. AT 4" FROM END & 14 1/2" O.C. MAX.	STAINLESS STEEL	-
33	2800-19	FIXED PANEL BOTTOM RAIL	ALUM. 6005-T5	-
34	2800-92	FRAME HEAD 3 TRACK	ALUM 6005-T5	
35	2800-88	TOP HORIZONTAL MOVING	ALUM 6005-T5	
36	2800-89	MOVING TOP RAIL COVER	ALUM 6005-T5	
37	2950-30	SILL TRACK ADAPTOR	ALUM 6005-T5	
38	2950-31	SILL TRACK COVER	ALUM 6005-T5	
39	2950-06	ASTRAGAL ADAPTOR	ALUM 6063-T6	
40	2800-07	JAMB ADAPTOR	ALUM 6005-T5	
41	E206	0.187 T-SLOT X 0.350 HIGH		
42	E511	E511 MULTI HOLLOW BULB		
43	W23371NK	FIN-SEAL 0.187" X 0.370" HT		
44		COMPRESSION GASKET		
45	GU HARDWARE	GU LIFT & SLIDE HARDWARE 4 POINTS		
46	INTERLOCK HWRD	INTERLOCK BUMPER PART NO. 831922 STOP HS 9005		
47		#10-16 x 2 1/2" LG PHL PH TEK SCREW	STAINLESS STEEL	

REVISIONS

NO.	DATE	DESCRIPTION
R3	12.09.2023	PBC 2023

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2800 SERIES L.M.I. & S 3 TRACKS

CONTINENTAL GLASS SYSTEMS LLC
325 WEST 74 PLACE HIALEAH, FL33014
TEL.: (305) 231.1101

FL#19733.4

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

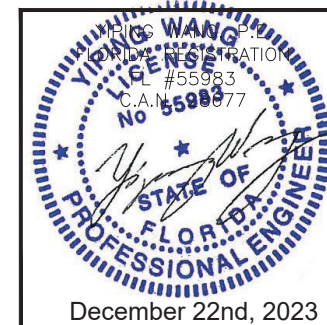
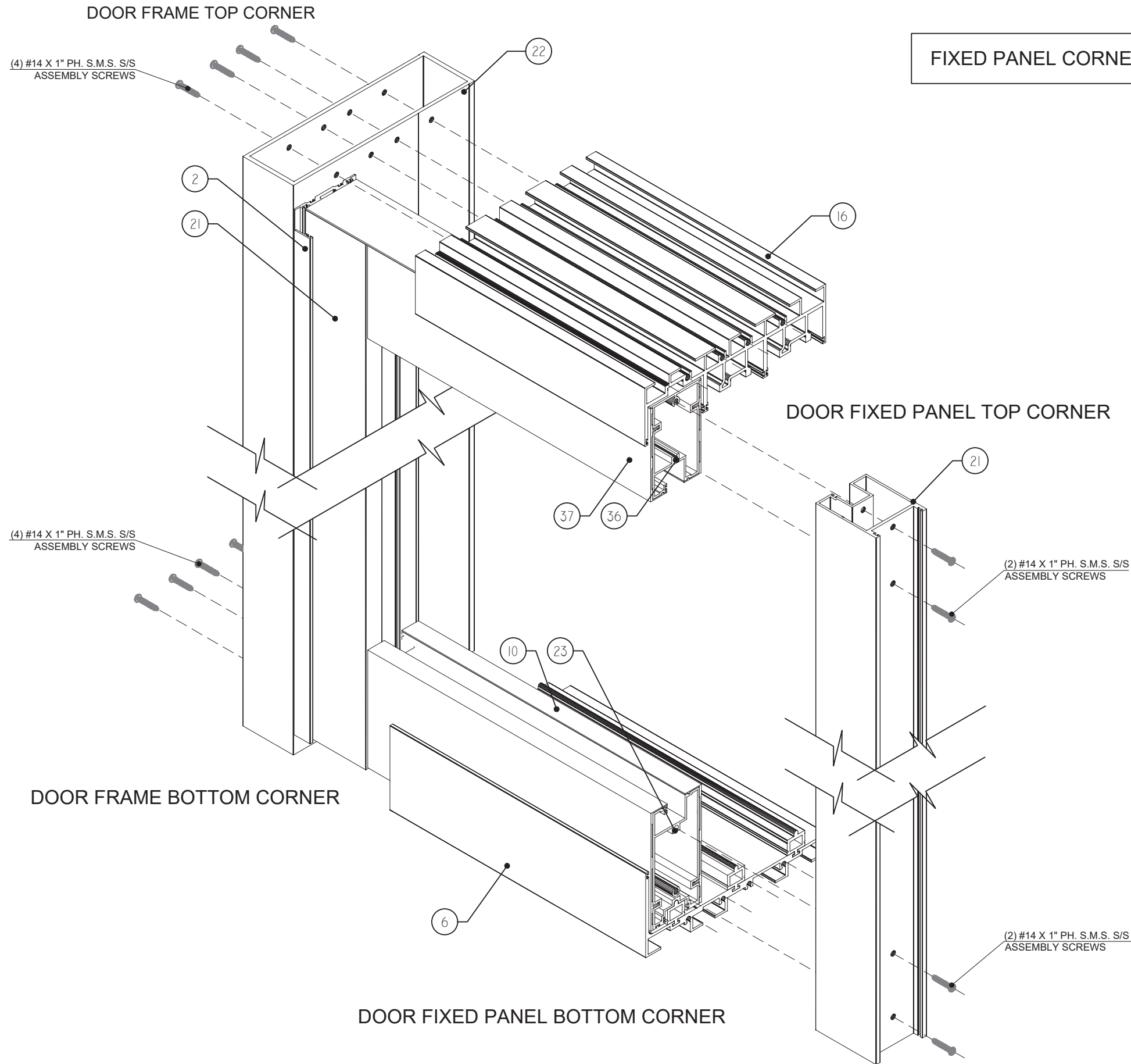
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DRAWING NO.
AD21-10

17 OF 19

YING WANG, P.E.
LICENSED PROFESSIONAL ENGINEER
FL #55983
C.A.N. #559877

December 22nd, 2023



REVISIONS	
NO.	DESCRIPTION
R3	12.09.2023 FBC 2023

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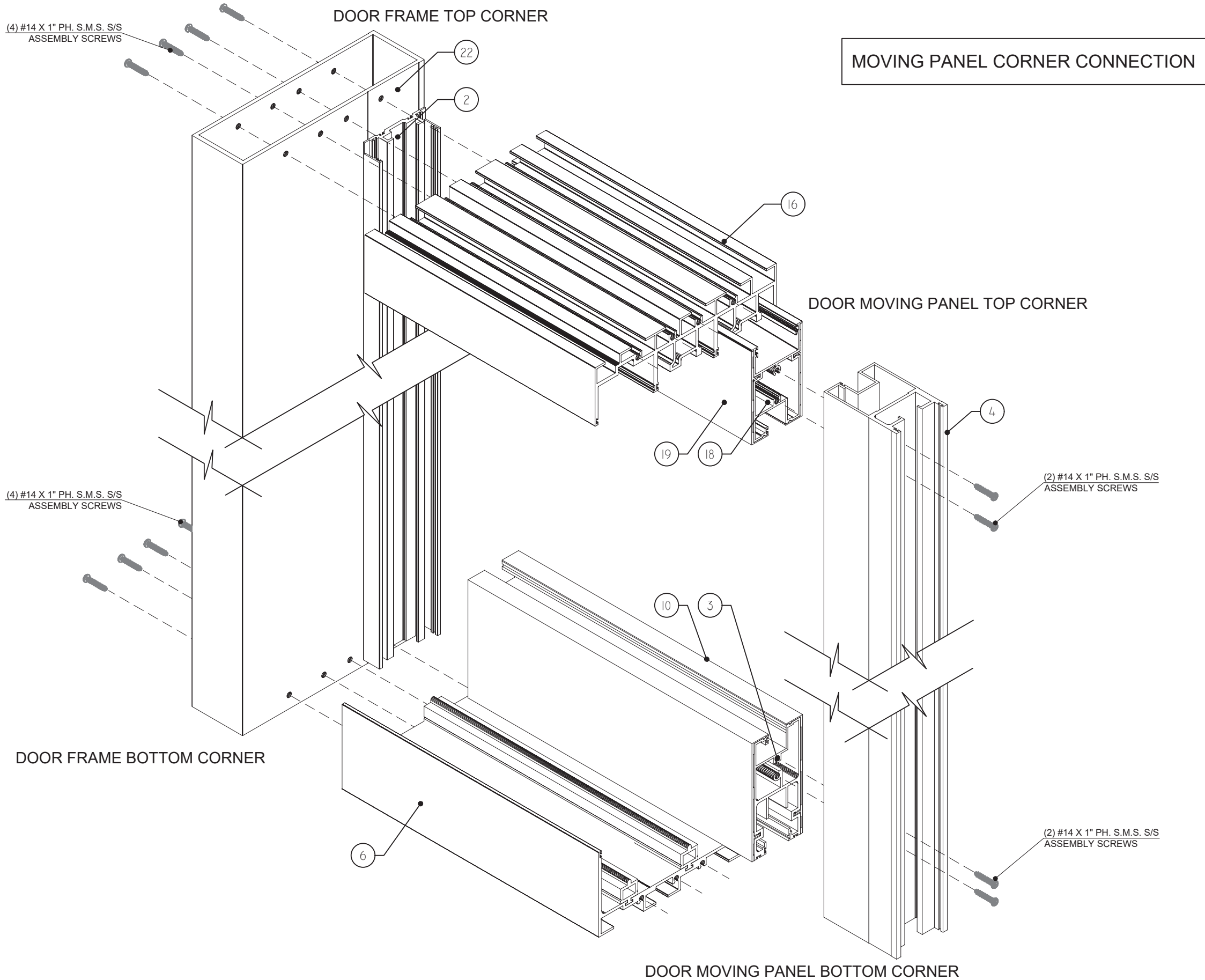
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ASSEMBLY

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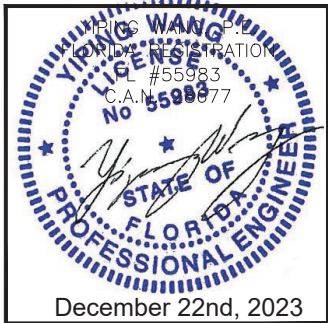
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ASSEMBLY

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AD21-10

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YONG WANG, P.E.
LICENSE
No. 55988
STATE OF FLORIDA
PROFESSIONAL ENGINEER

December 22nd, 2023