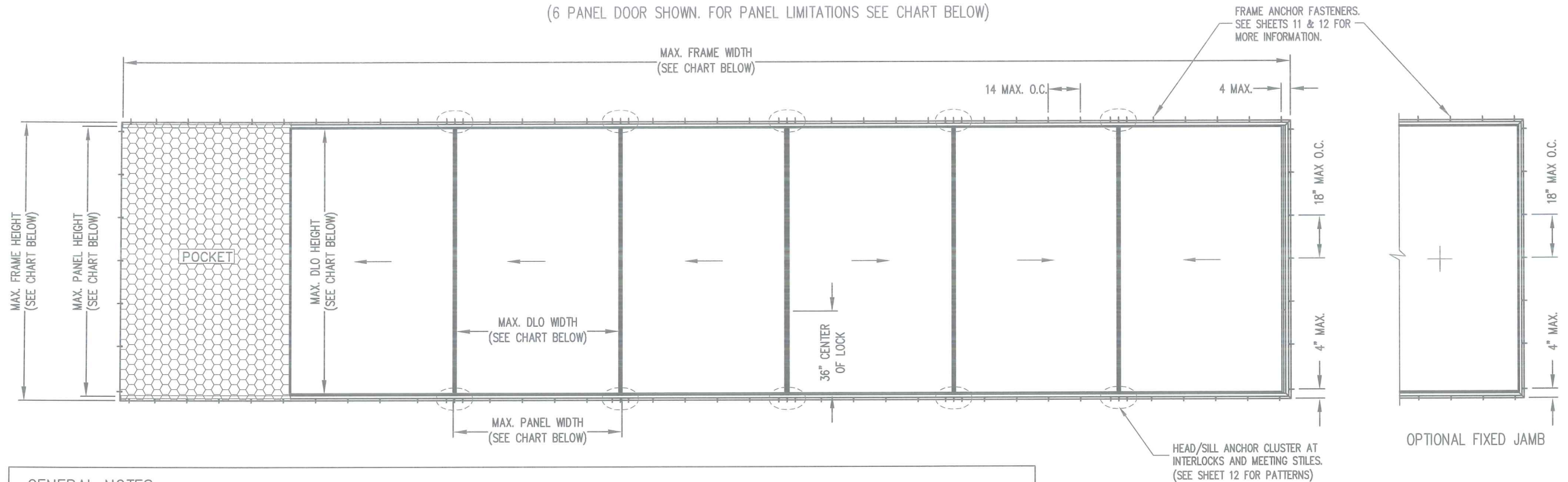


EXTERIOR ELEVATION
(6 PANEL DOOR SHOWN. FOR PANEL LIMITATIONS SEE CHART BELOW)



GENERAL NOTES :

1. THIS APPROVAL APPLIES TO IMPACT RESISTANT LIFT AND SLIDE DOORS, IN THE CONFIGURATIONS AND CONSTRUCTED AND GLAZED AS INDICATED HEREIN.
2. ALLOWABLE DESIGN PRESSURES ARE AS INDICATED IN TABLE ON THIS SHEET.
3. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS.
4. THESE DOORS AS SHOWN HEREIN ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
6. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
7. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC AND ADM-01, SECTION M7.
9. MEMBERS NOTCHED AS NEEDED TO FIT HARDWARE AS SHOWN HEREIN.
10. JAMBS MAY BE OPERABLE, FIXED, OR POCKET ON EITHER SIDE OF DOOR.
11. THE GLAZING TYPES A AND B AS SHOWN IN GLAZING DETAILS ON SHEET 4 MAY BE USED IN ANY DOOR CONFIGURATION.
12. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN INSTALLATION ANCHOR REQUIREMENTS TABLE ON SHEET 11. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED.
13. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL $\frac{3}{16}$ " MIN. OF THREADS BEYOND.

DESIGN PRESSURE

VERTICAL DOOR STILE TYPE	MAX FRAME HEIGHT (in) (Panel Height)	MAX. FRAME WIDTH (in)	MAX. PANEL WIDTH (in)	MAX DESIGN PRESSURE (psf)	GLASS TYPE	MAX. DLO HEIGHT (in)	MAX. DLO WIDTH (in)
TYPE I - WITH STEEL REINFORCING	120	UNLIMITED	73 9/16	+60 / -65	A	114 3/16	71
	(116 1/2)						
	144	UNLIMITED	55 9/16	+60 / -65	A	138 3/16	53
	(140 1/2)						
TYPE I - WITHOUT STEEL REINFORCING	120	656 5/16 (9 PANELS)	73 9/16	+/- 30	A	114 3/16	71
	(116 1/2)						
TYPE II - WITH STEEL REINFORCING	124 13/16	440 5/16" (6 PANELS)	73 7/16	+/- 70	B	118 13/16	70 13/16
	(121 1/8)						

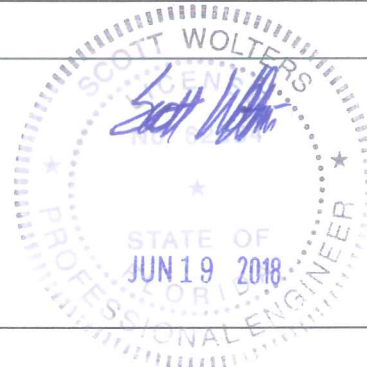
CORNER CONSTRUCTION :

JAMB CORNERS: SEALED WITH DOW 795 SILICONE. THREE CHANNEL FRAME SECURED WITH FOUR CORNER KYES AND (8) M5 X 14 FLAT HEAD SCREWS. TWO CHANNEL FRAME SECURED WITH TWO CORNER KEYS AND (4) M5 X 14 FLAT HEAD SCREWS.

FRAME SEAM: SEALED WITH DOW 795 SILICONE. THREE CHANNEL FRAME SECURED WITH FOUR SEAM KEYS AND (8) M5 X 14 FLAT HEAD SCREWS. TWO CHANNEL FRAME SECURED WITH TWO SEAM KEYS AND (4) M5 X 14 FLAT HEAD SCREWS.

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A	ISSUED FOR APPROVAL				04-02-14		
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TH+ SERIES LIFT & SLIDE DOORS

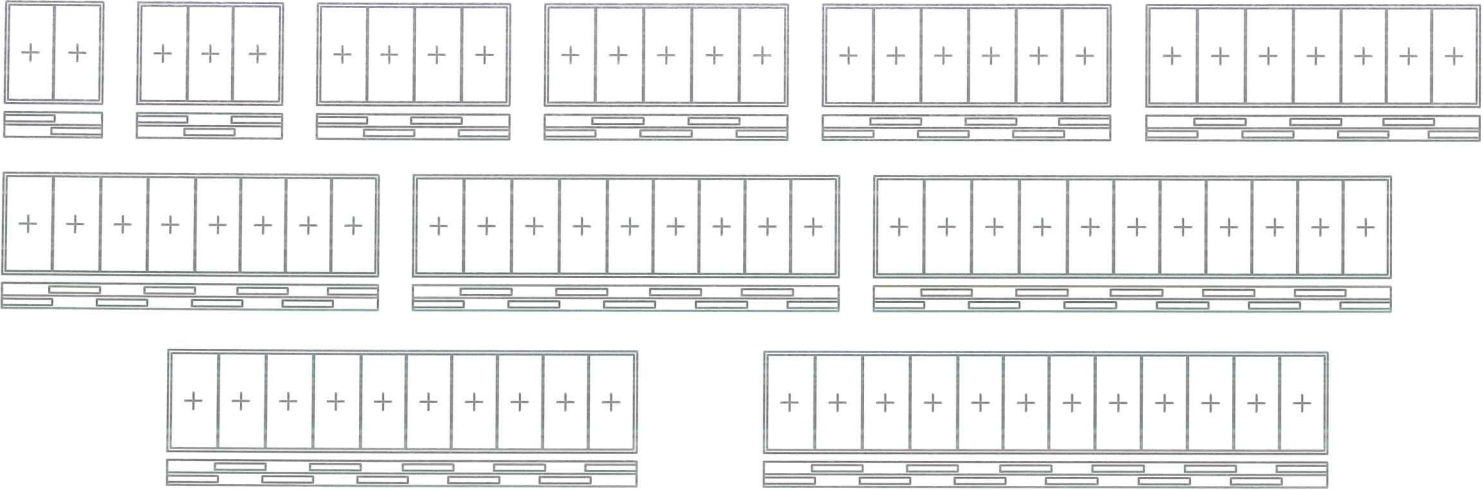
GENERAL NOTES



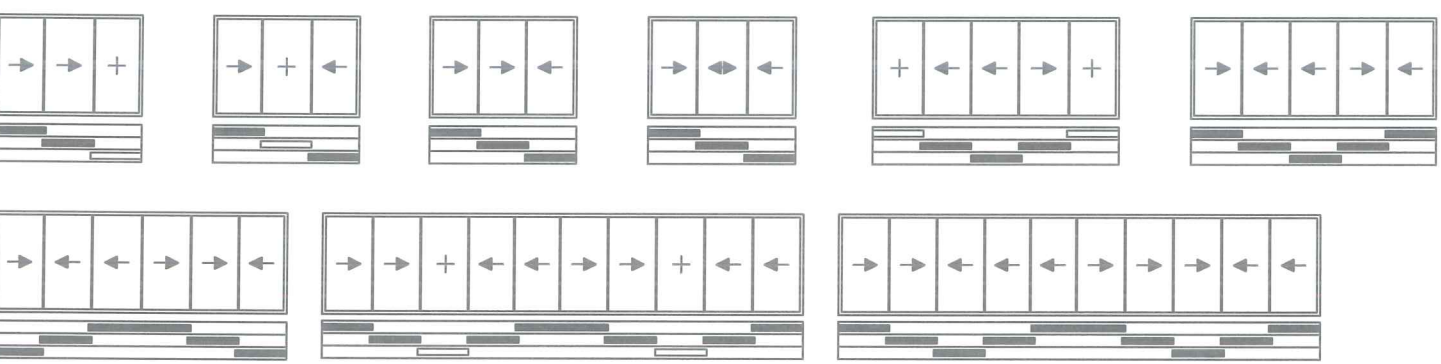
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1

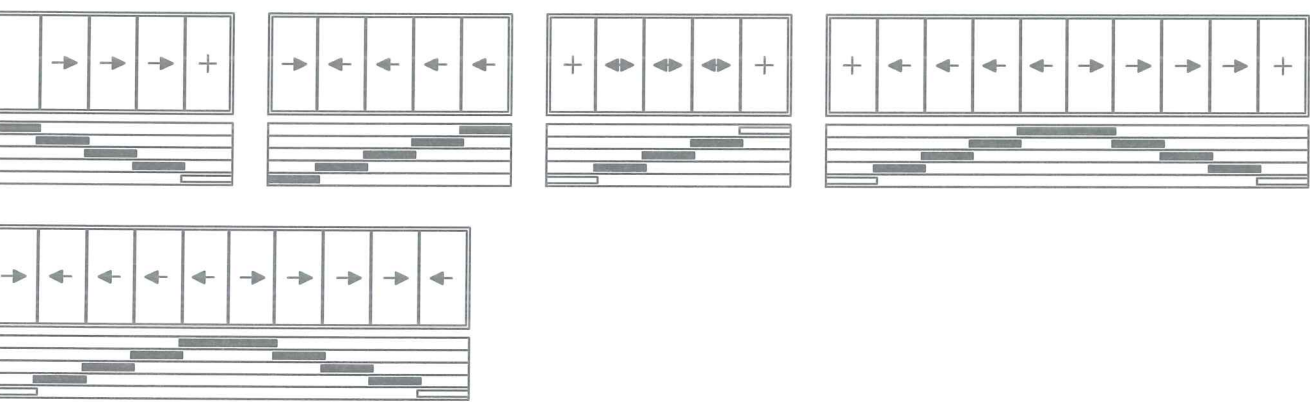
2-TRACK CONFIGURATIONS (FOR FIXED UNITS)



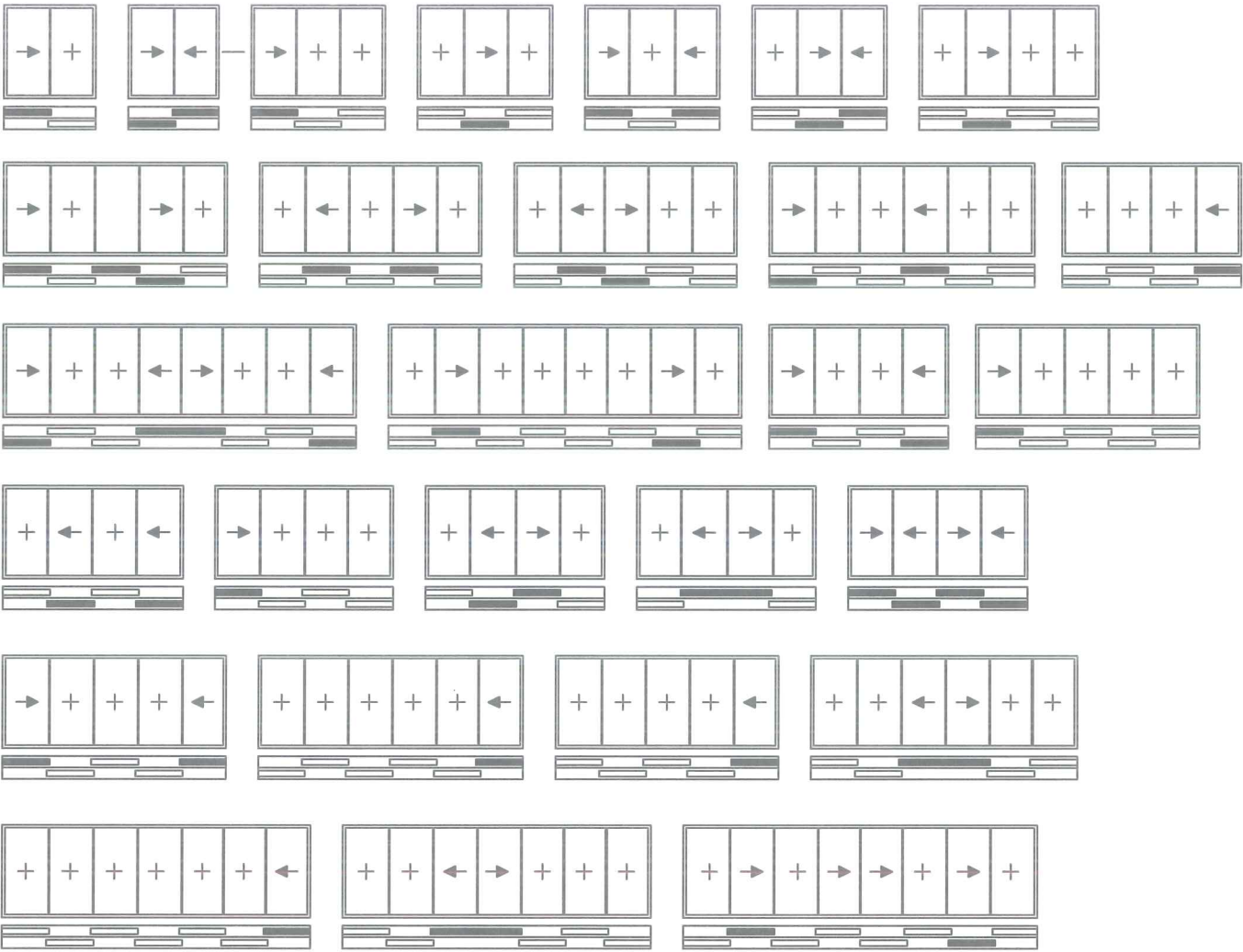
3-TRACK CONFIGURATIONS



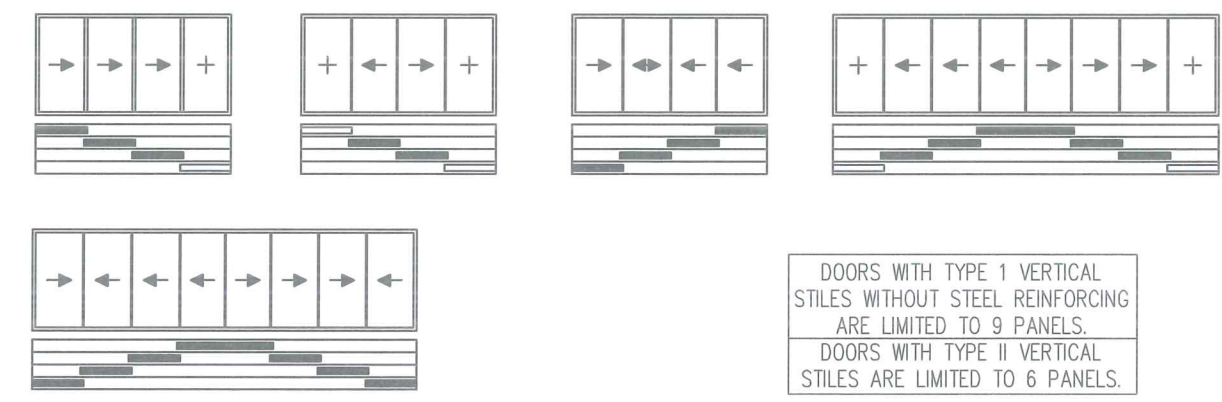
5-TRACK CONFIGURATIONS



2-TRACK CONFIGURATIONS (FOR SLIDING UNITS)



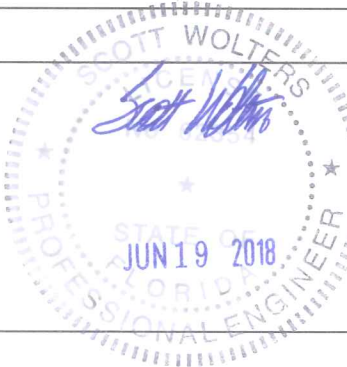
4-TRACK CONFIGURATIONS



DOORS WITH TYPE I VERTICAL
STILES WITHOUT STEEL REINFORCING
ARE LIMITED TO 9 PANELS.
DOORS WITH TYPE II VERTICAL
STILES ARE LIMITED TO 6 PANELS.

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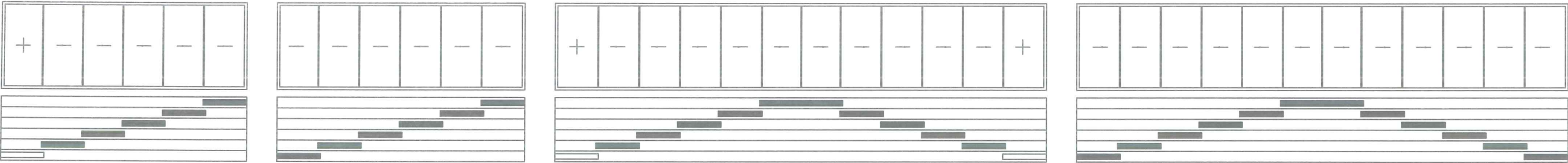
TH+ SERIES LIFT & SLIDE DOORS
2,3,4,5 TRACK CONFIGURATIONS



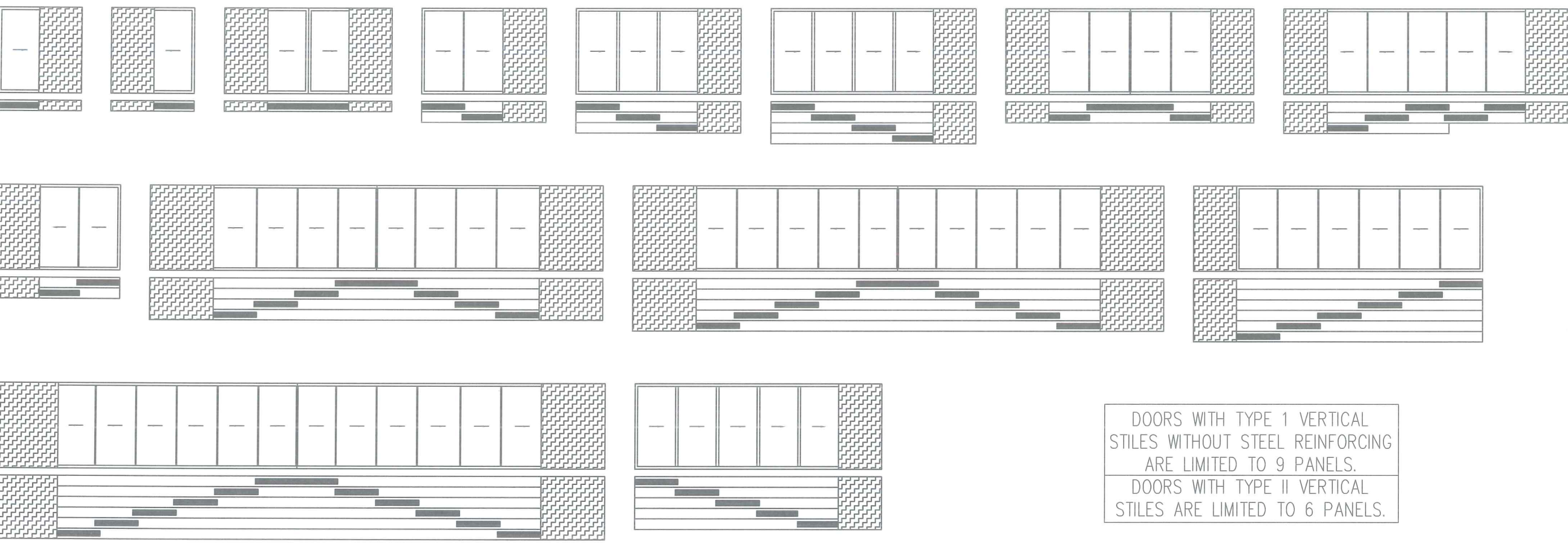
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6-TRACK CONFIGURATIONS



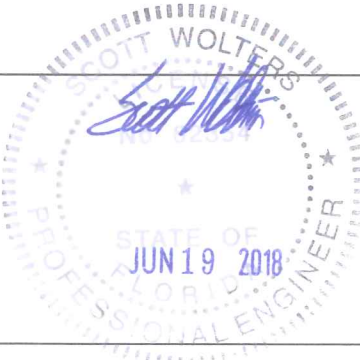
POCKET CONFIGURATIONS



DOORS WITH TYPE 1 VERTICAL
STILES WITHOUT STEEL REINFORCING
ARE LIMITED TO 9 PANELS.
DOORS WITH TYPE II VERTICAL
STILES ARE LIMITED TO 6 PANELS.

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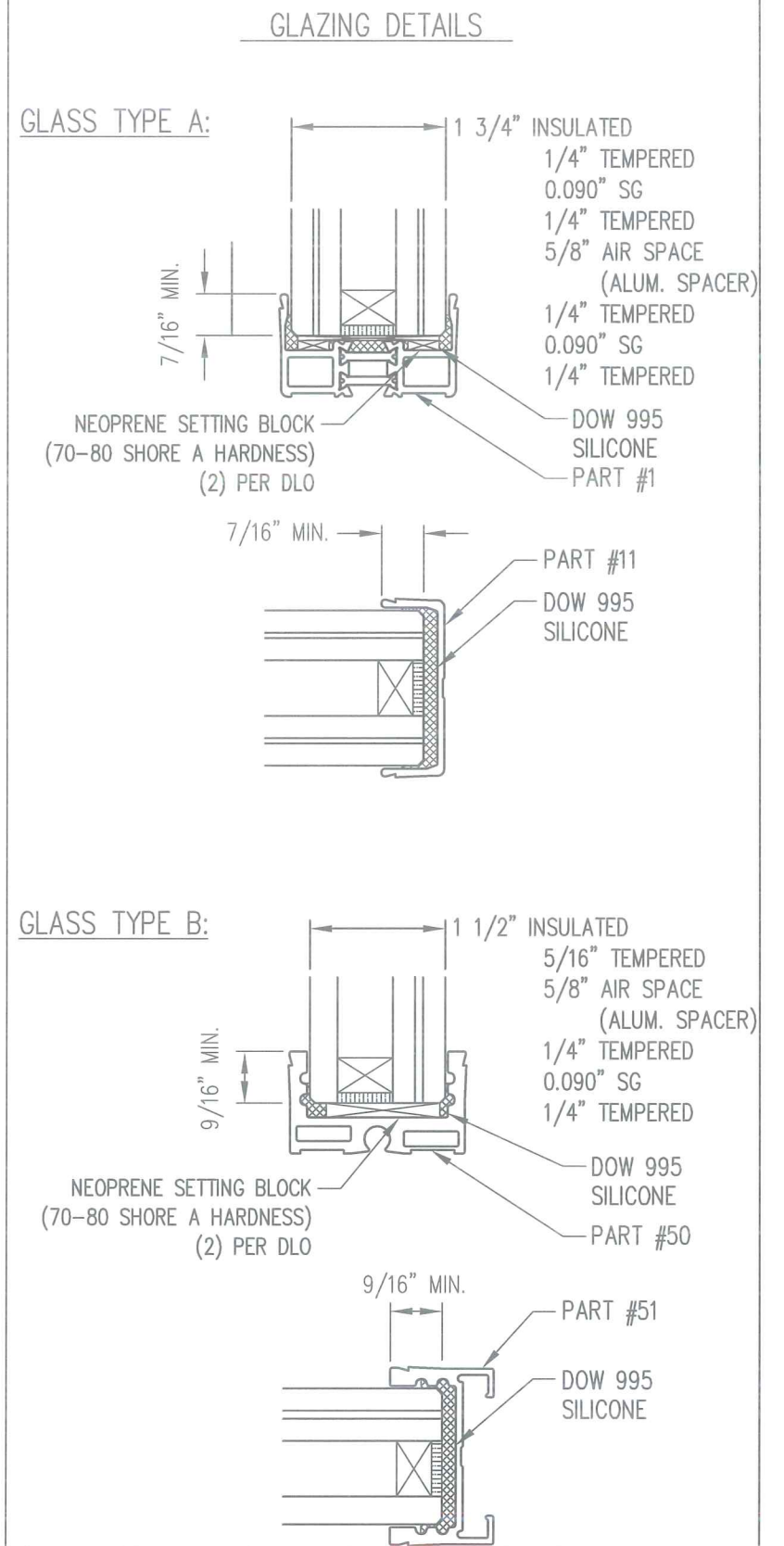
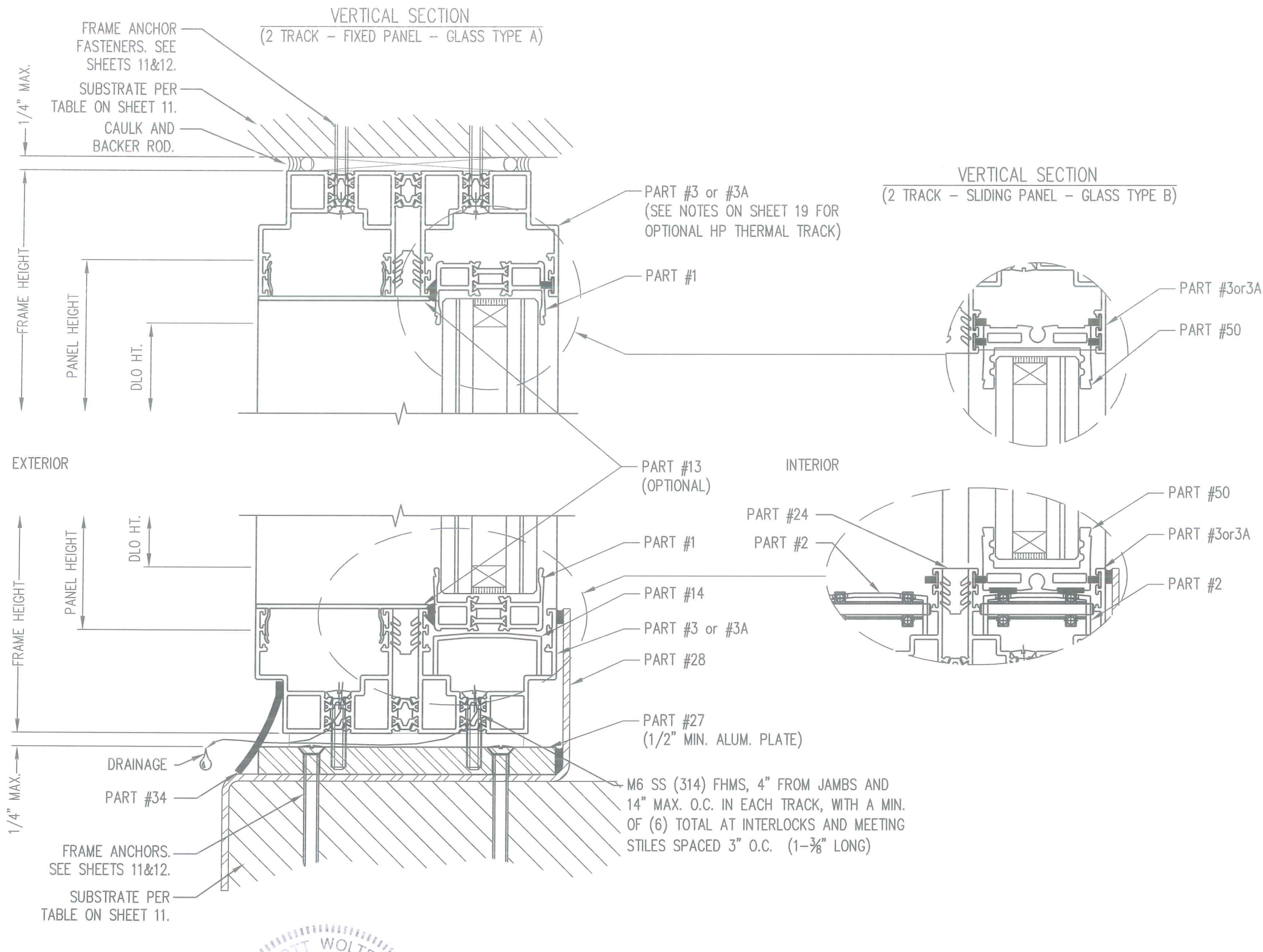
TH+ SERIES LIFT & SLIDE DOORS

6TRACK & POCKET CONFIGURATIONS



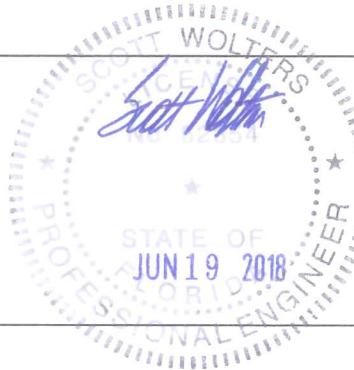
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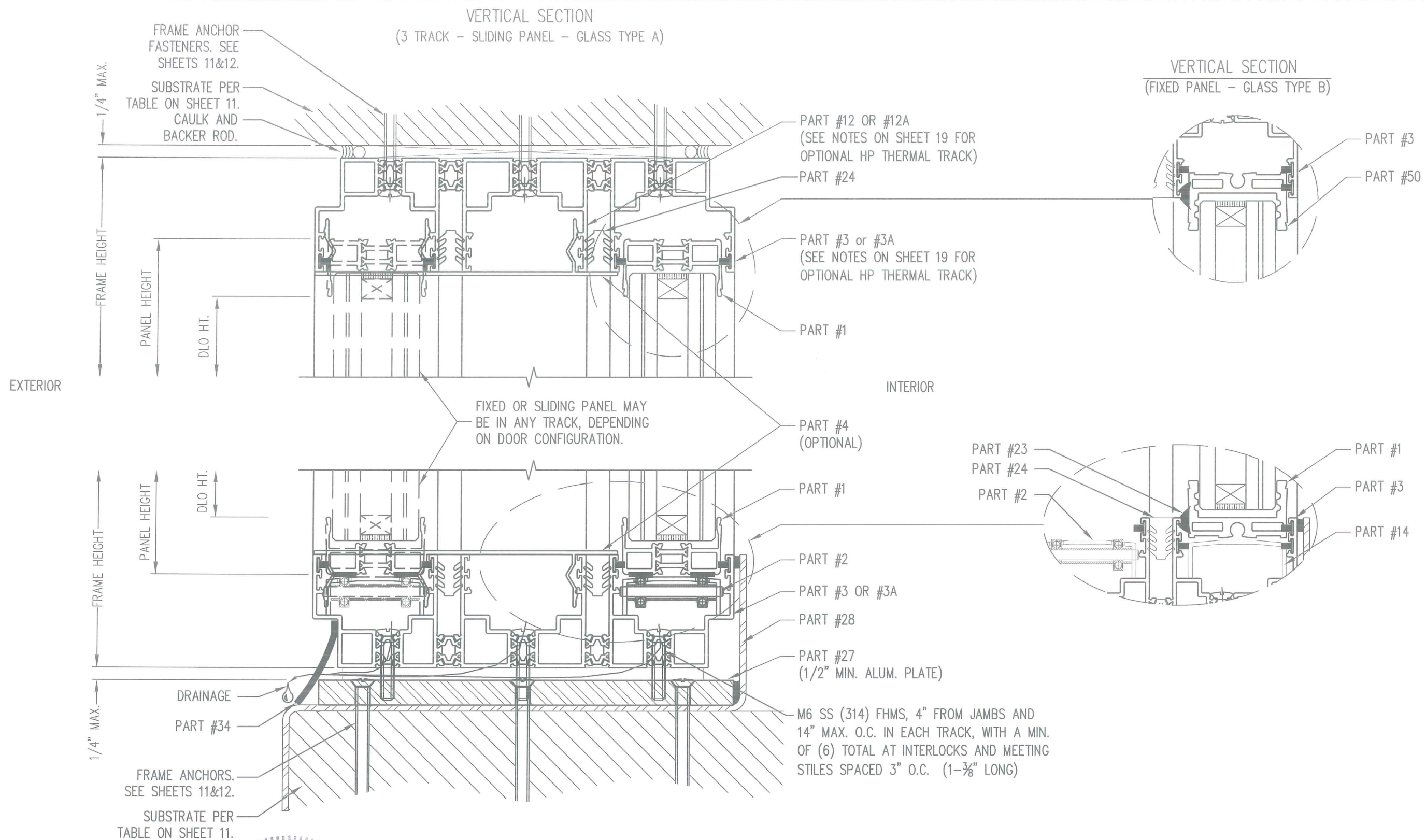
TH+ SERIES LIFT & SLIDE DOORS

VERTICAL SECTIONS



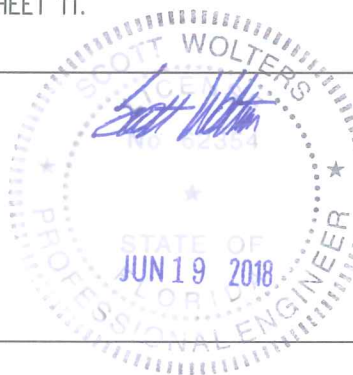
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TH+ SERIES LIFT & SLIDE DOORS

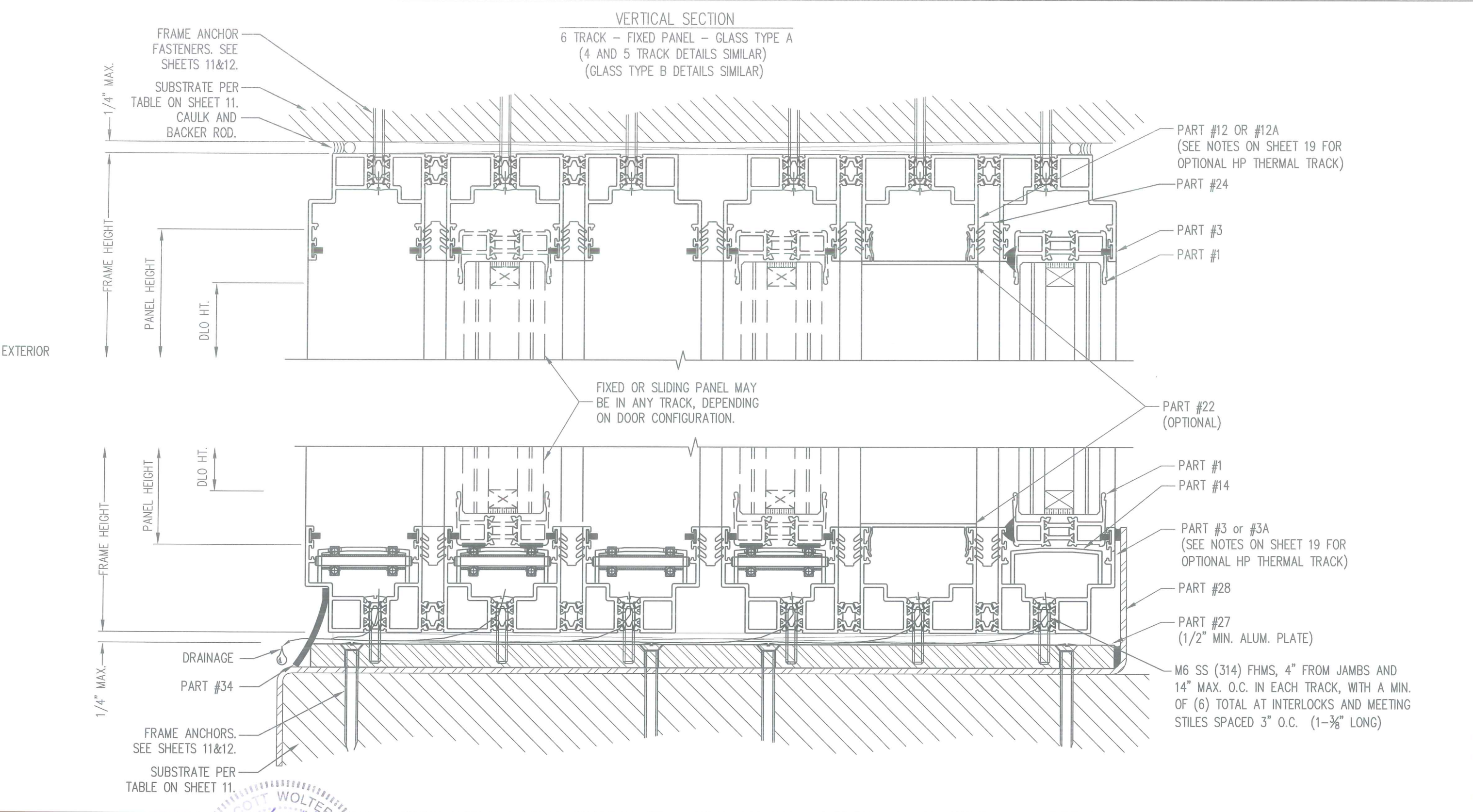
VERTICAL SECTIONS



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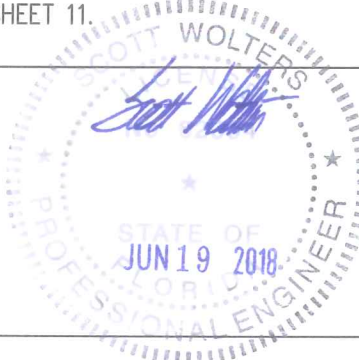
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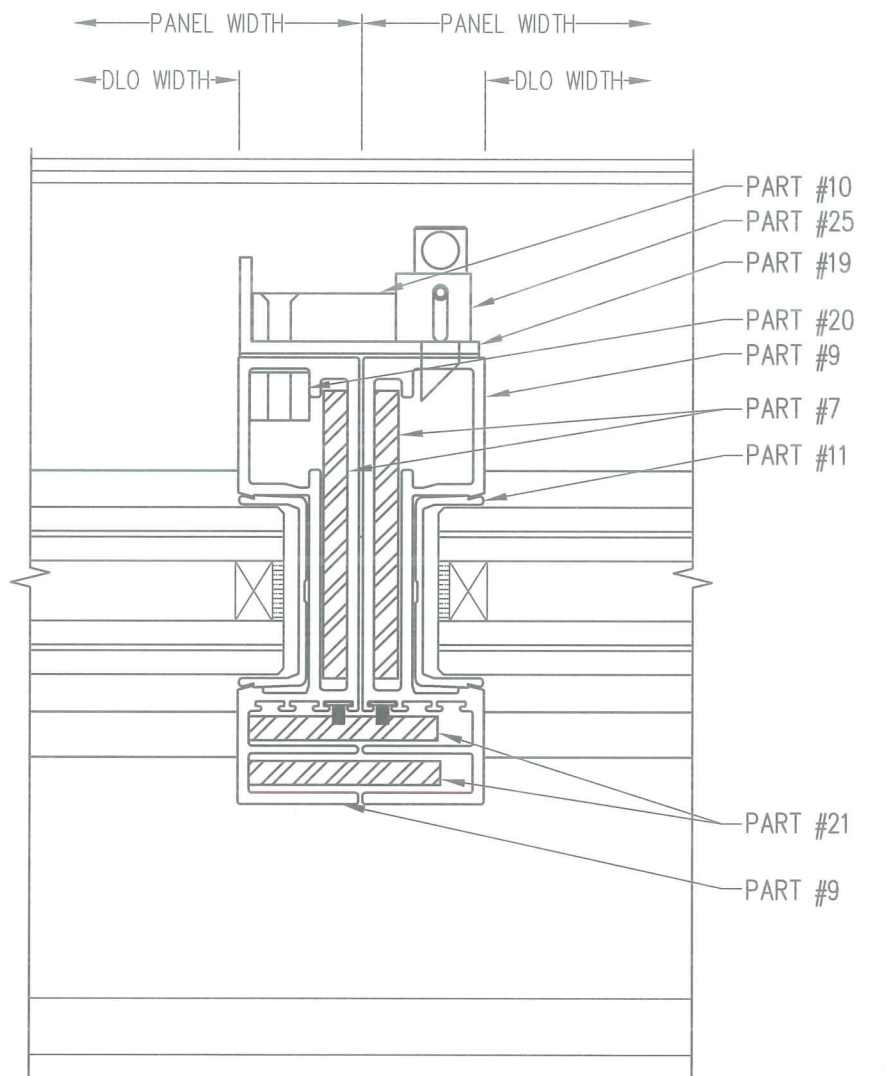
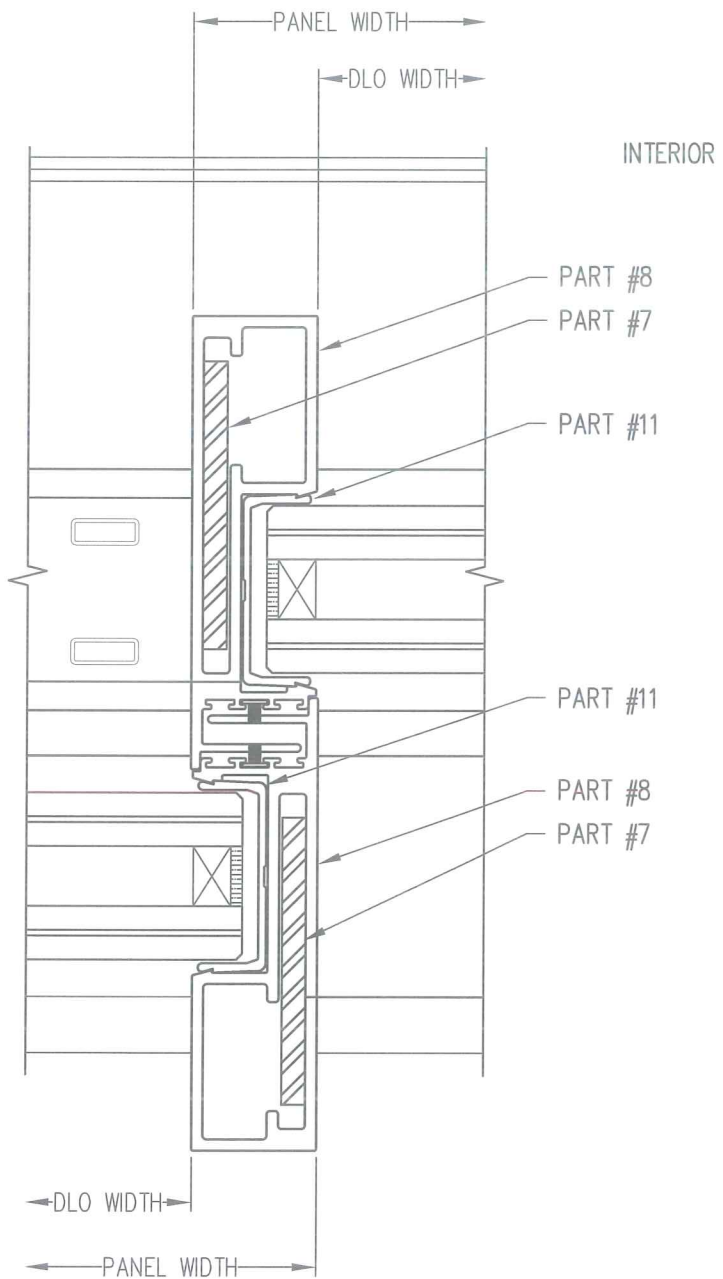
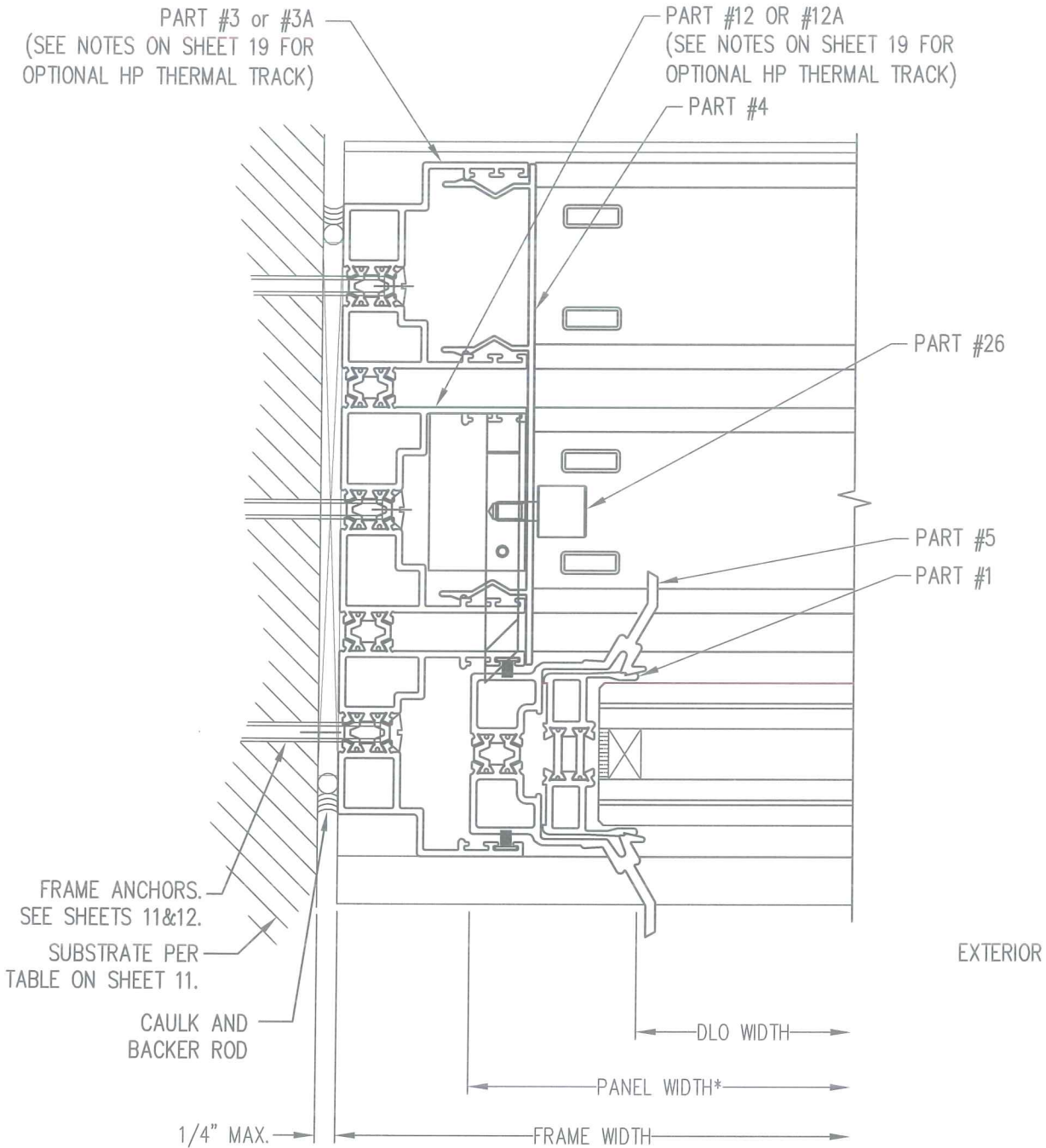
SHEET
6

TYPE I VERTICAL STILES
(GLASS TYPE A)

LOCK JAMB DETAIL

INTERLOCK DETAIL

MEETING STILE DETAIL

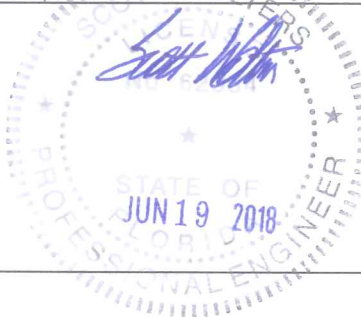


*MAX. PANEL WIDTH DIMENSIONS ON SHEET 1 ARE FOR TYPICAL PANELS. LOCK JAMB PANELS ARE APPROVED 13/16" WIDER.

3 TRACK DETAILS ARE SHOWN,
OTHER TRACK DETAILS ARE SIMILAR.

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TH+ SERIES LIFT & SLIDE DOORS

TYPE I HORIZONTAL SECTIONS



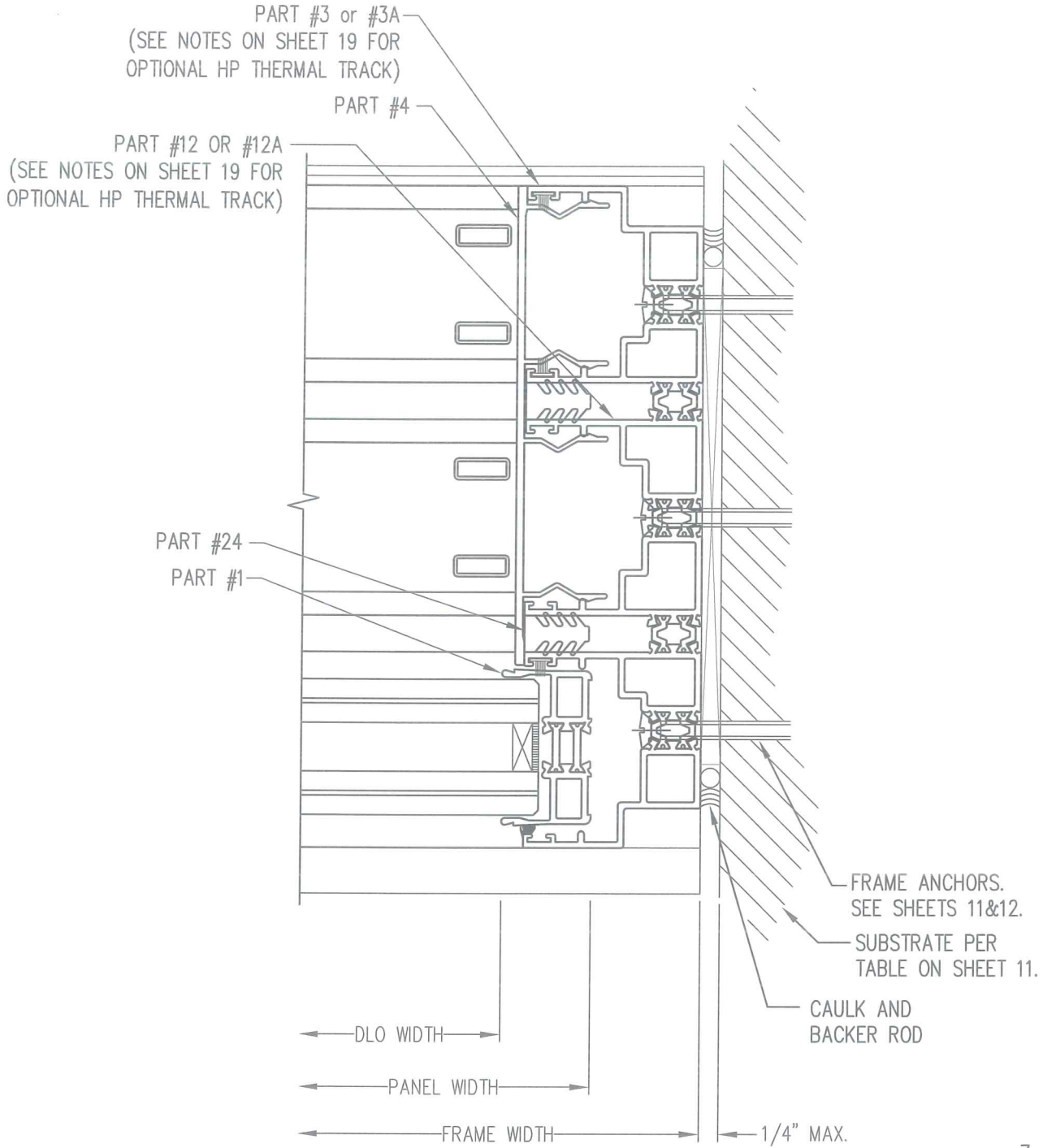
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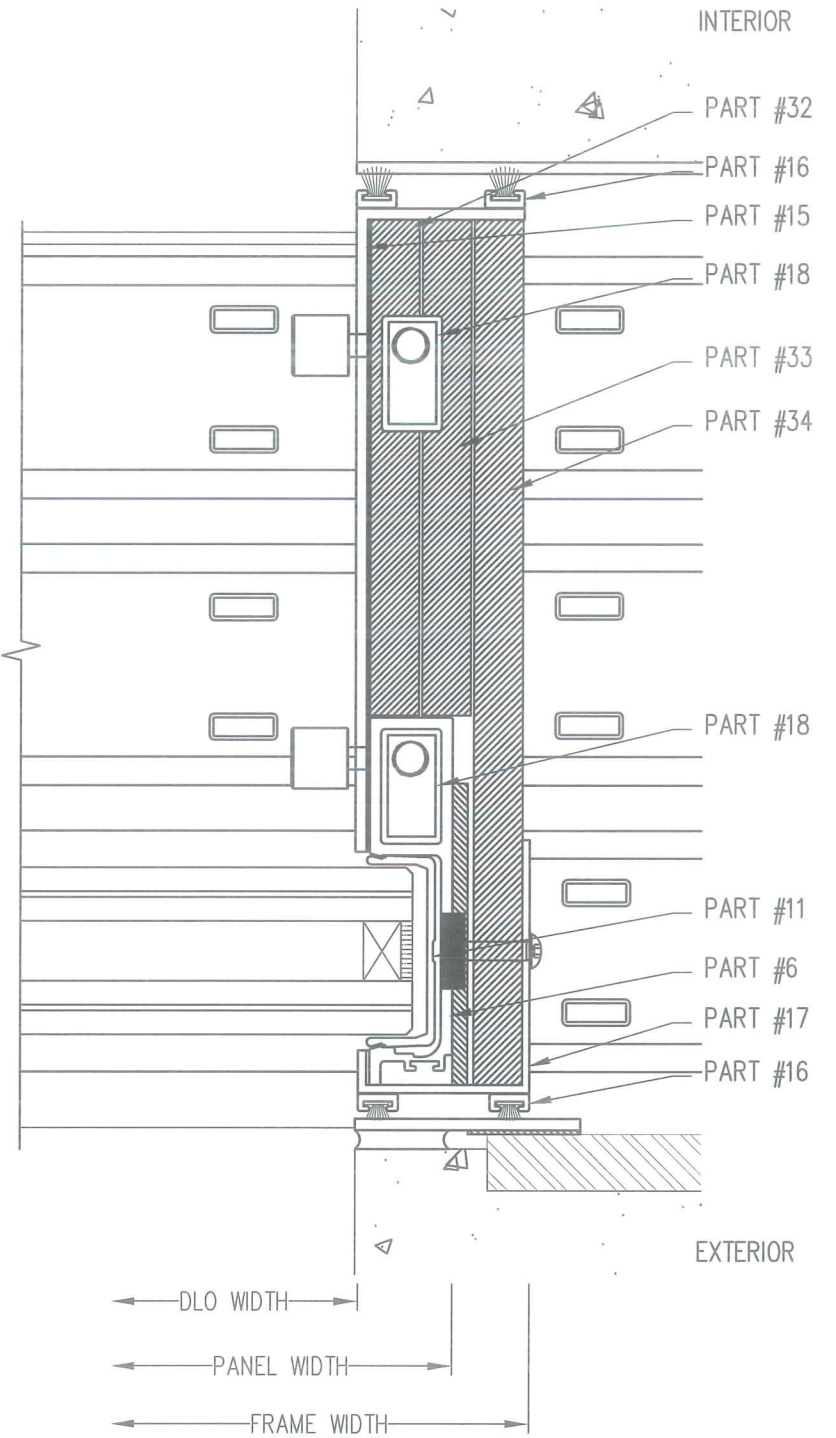
TYPE I VERTICAL STILES
(GLASS TYPE A)

FIXED JAMB DETAIL



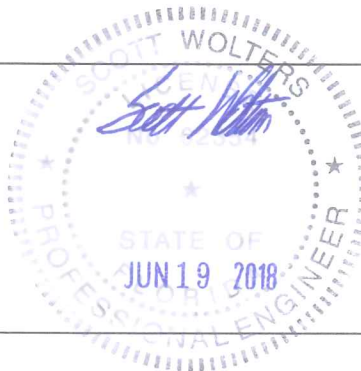
3 TRACK DETAILS ARE SHOWN,
OTHER TRACK DETAILS ARE SIMILAR.

POCKET JAMB DETAIL



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TH+ SERIES LIFT & SLIDE DOORS

TYPE I HORIZONTAL SECTIONS

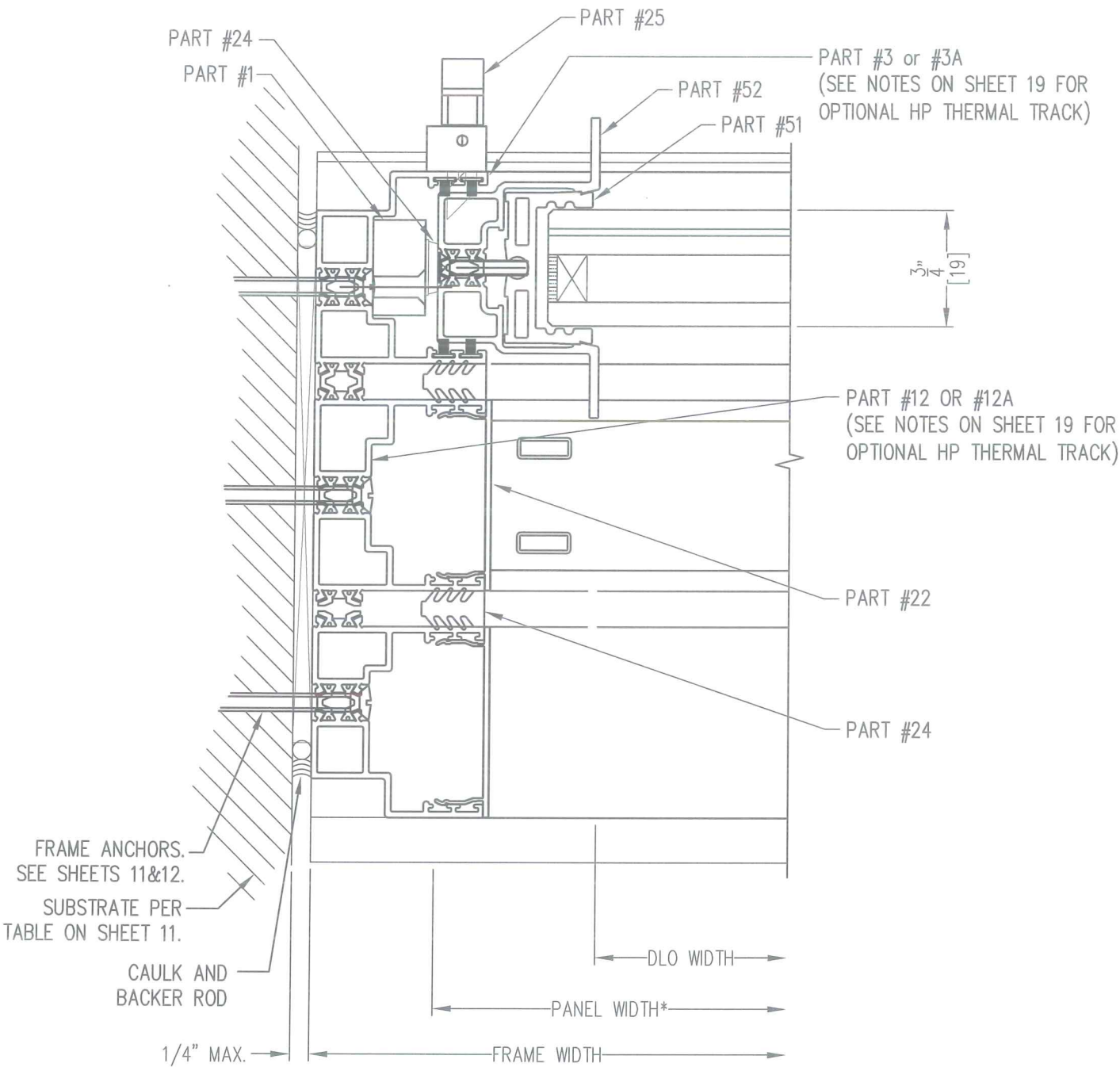


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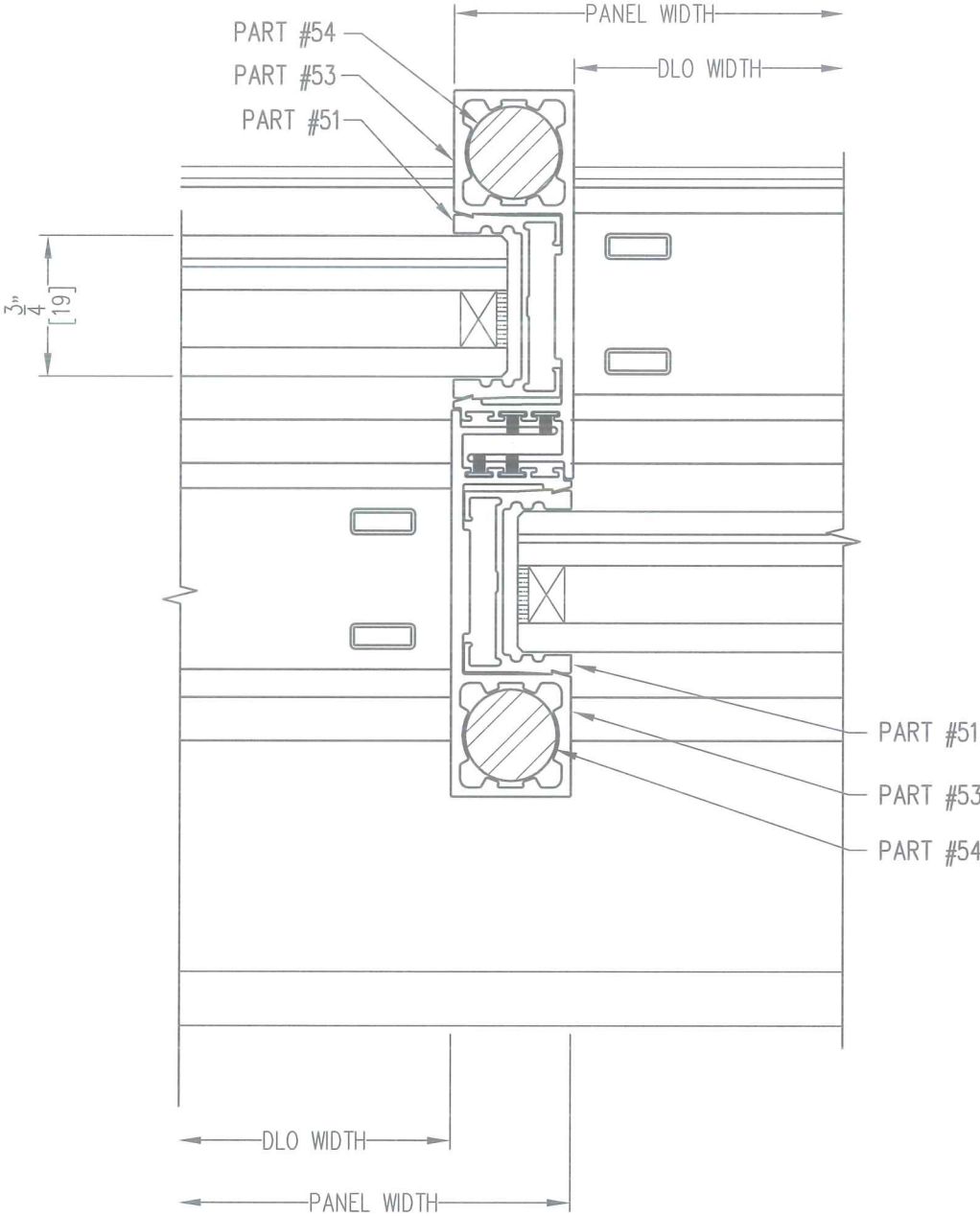
SHEET
8

TYPE II VERTICAL STILES
(GLASS TYPE B)

LOCK JAMB DETAIL



INTERLOCK DETAIL

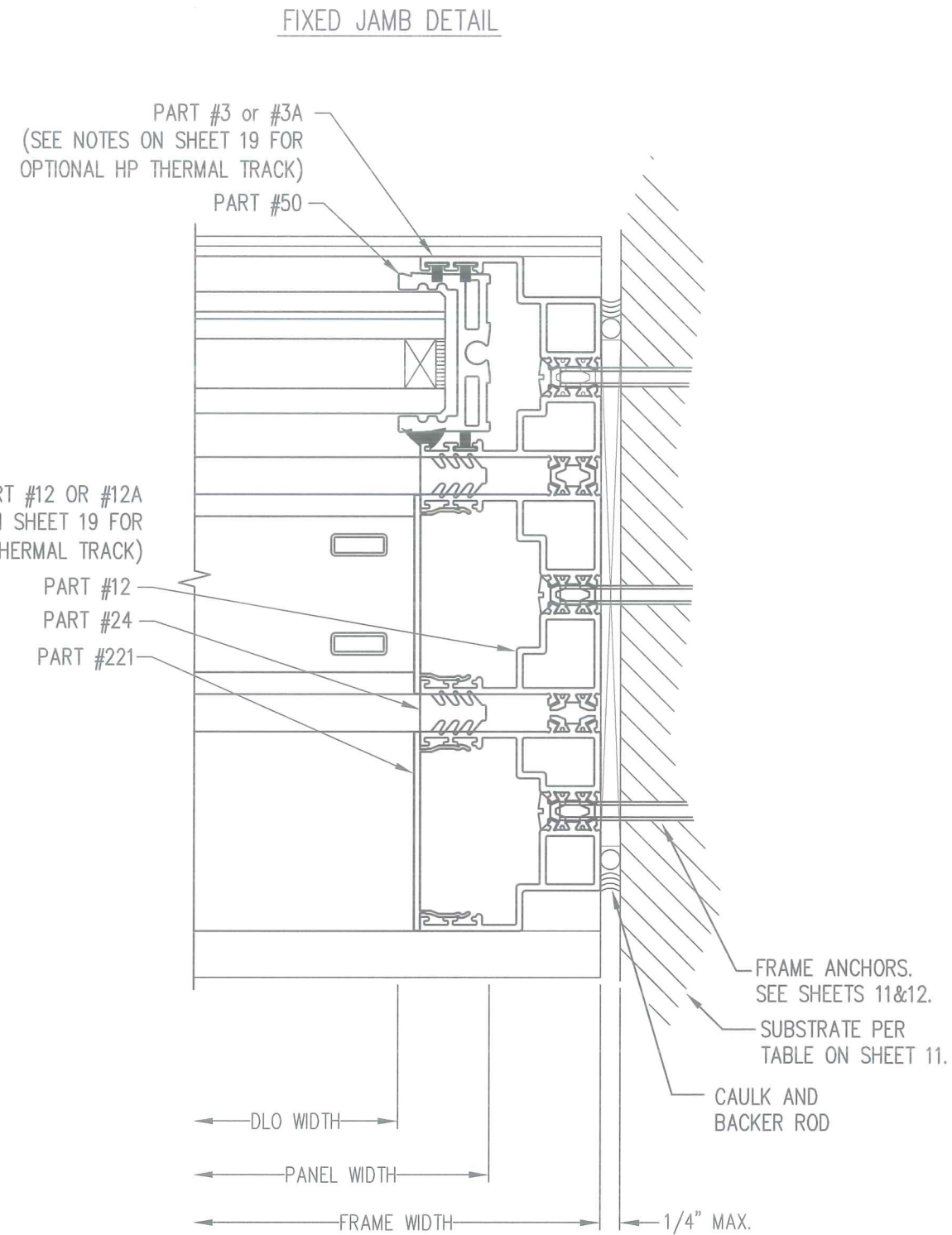
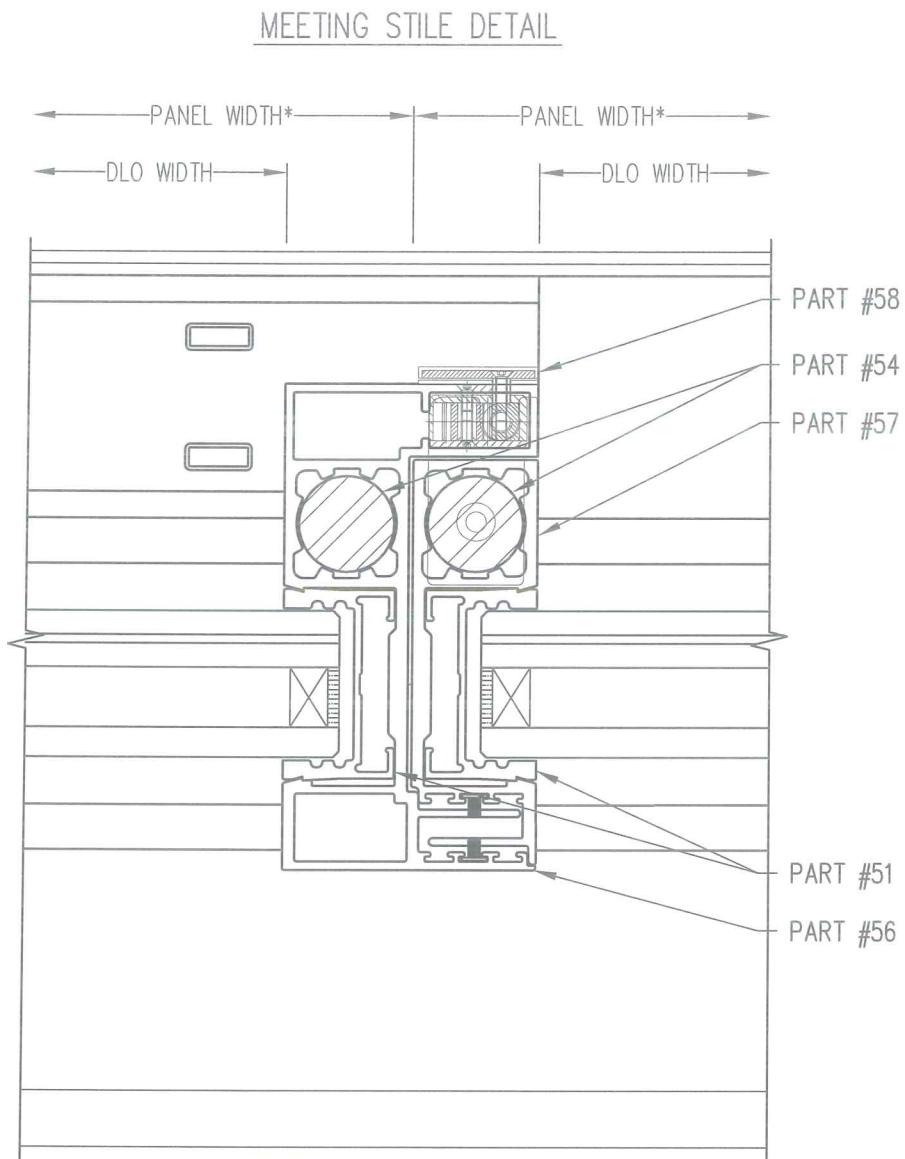


*MAX. PANEL WIDTH DIMENSIONS ON SHEET 1 ARE FOR TYPICAL PANELS. LOCK JAMB PANELS ARE APPROVED 3/4\"

3 TRACK DETAILS ARE SHOWN,
OTHER TRACK DETAILS ARE SIMILAR.

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				ENG	QA	PM	DATE
				TYPE II HORIZONTAL SECTIONS			
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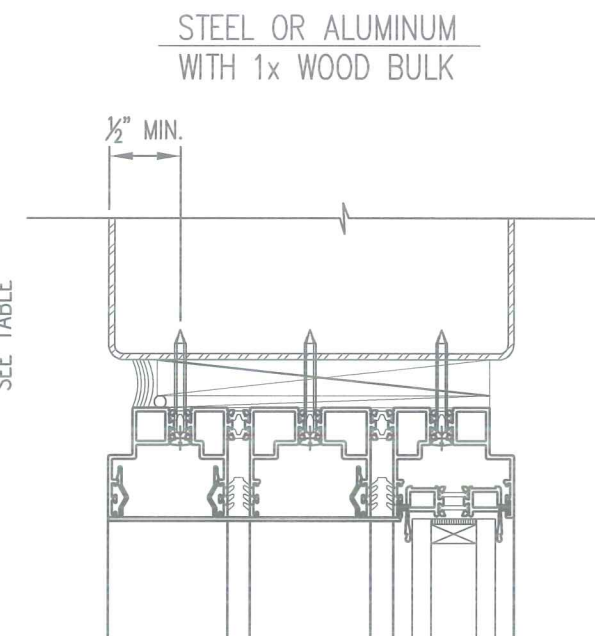
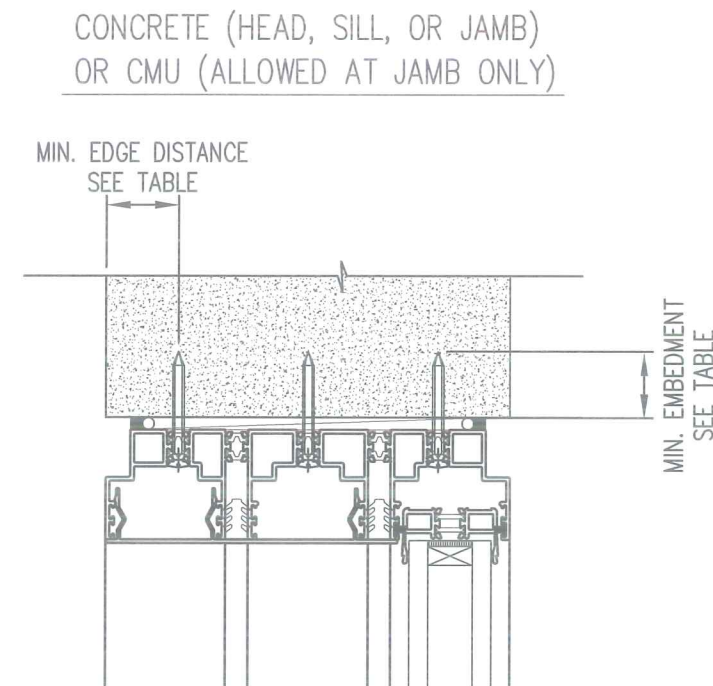
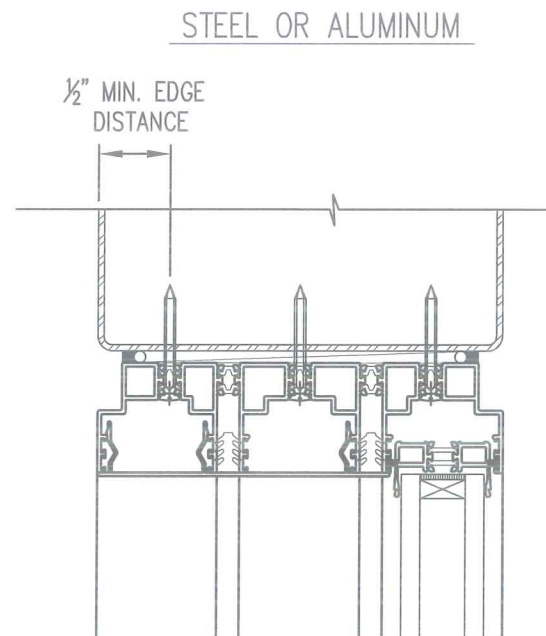
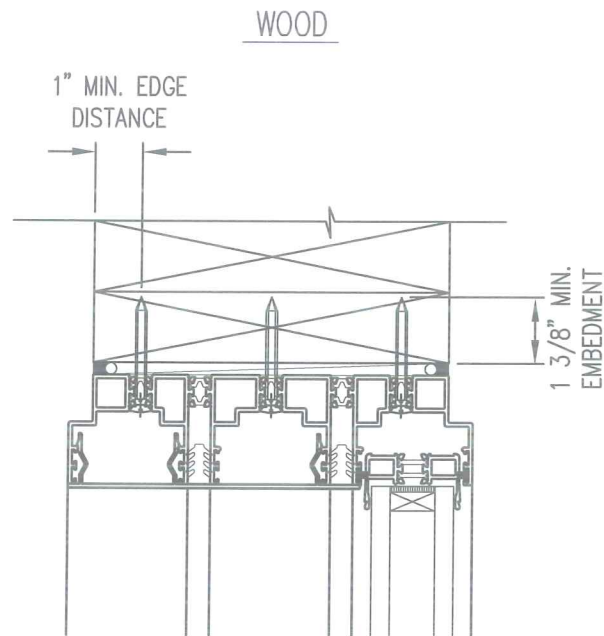
TYPE II VERTICAL STILES
(GLASS TYPE B)



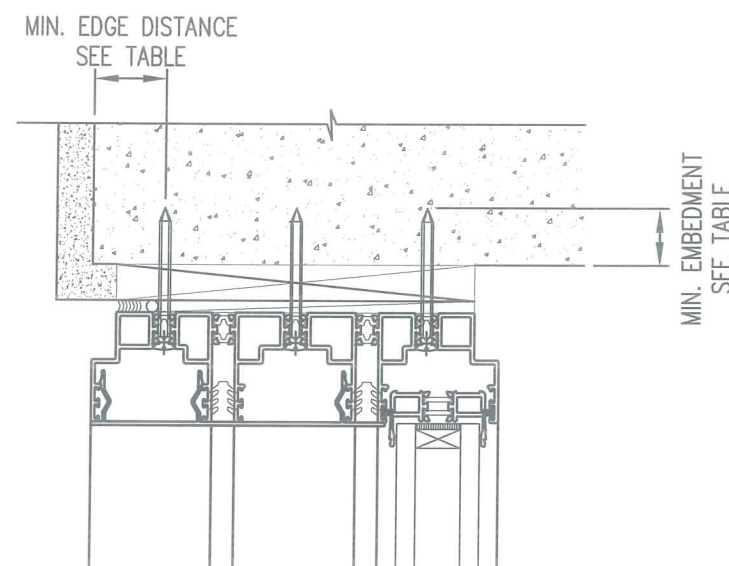
* AT MEETING STILES, PANEL WIDTH DIMENSIONS ON SHEET 1
ARE NOMINAL DIMENSIONS MEASURED TO THE CENTER OF THE
FEMALE MEETING STILE.

3 TRACK DETAILS ARE SHOWN,
OTHER TRACK DETAILS ARE SIMILAR.

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		TYPE II HORIZONTAL SECTIONS			
SCOTT WOLTERS PROFESSIONAL ENGINEER STATE OF FLORIDA JUN 19 2018		D	REVISED PER TEST REPORT H6381.01/02/03-301-18		4/17/18
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				SHEET 10	



CONCRETE (HEAD, SILL OR JAMB)
OR CMU (ALLOWED AT JAMB ONLY)
WITH 1x WOOD BULK



SEE SHEET 12 FOR HEAD/SILL
ANCHOR CLUSTER PATTERNS AT
INTERLOCKS AND MEETING STILES.

NOTE:

FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND.

1x WOOD BUCKS (IF USED) MUST BE ADEQUATELY ANCHORED TO THE SUBSTRATE TO PREVENT FASTENER BENDING.

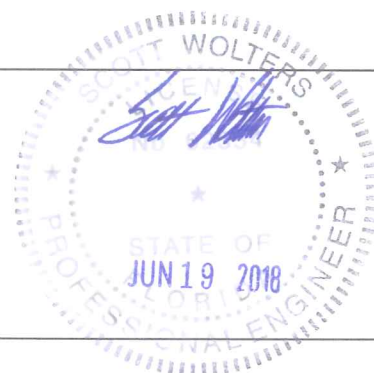
HEAD ANCHOR DETAILS SHOWN. SILL AND JAMB ANCHOR DETAILS ARE SIMILAR.

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE (2850 PSI MIN) OR GROUT-FILLED CMU (ASTM C90)	1/4" DIA. TAPCON CONCRETE SCREWS*	1- 3/4"	2- 1/2"
B	2xMIN. SOUTHERN PINE WOOD (G=0.55 MIN.)	#12 PHILIPS 316 STAINLESS STEEL SCREWS	1- 3/8"	1"
C	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN.)	#12 PHILIPS 316 STAINLESS STEEL SCREWS	SEE NOTE	1/2"
D	1/8" ALUM. (6063-T5 MIN) OR 1/8" STEEL (33 KSI MIN)	#12 PHILIPS 316 STAINLESS STEEL SCREWS	SEE NOTE	1/2"

* TAPCON CONCRETE SCREWS TO BE ELCO ULTRACON, ITW BUILDEX TAPCON, OR HILTI KWIK-CON FASTENERS.

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TH+ SERIES LIFT & SLIDE DOORS

FRAME ANCHOR INFO

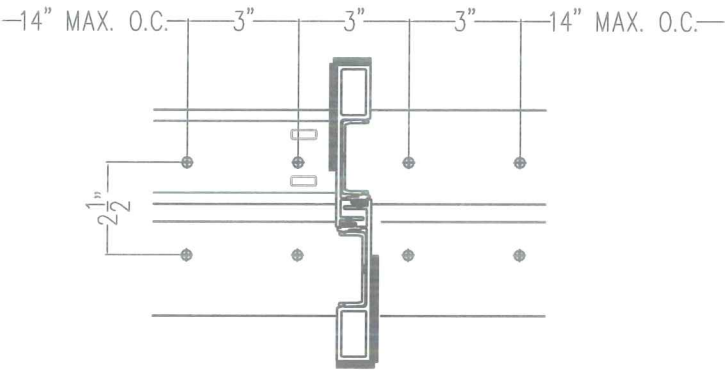


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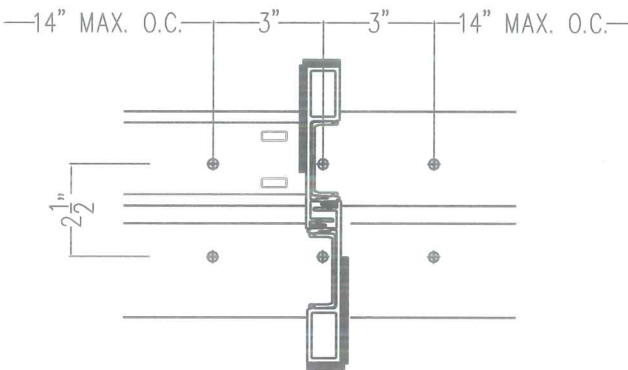
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ANCHOR CLUSTERS AT HEAD AND SILL
(INTERLOCKS SHOWN-MEETING STILES SIMILAR)

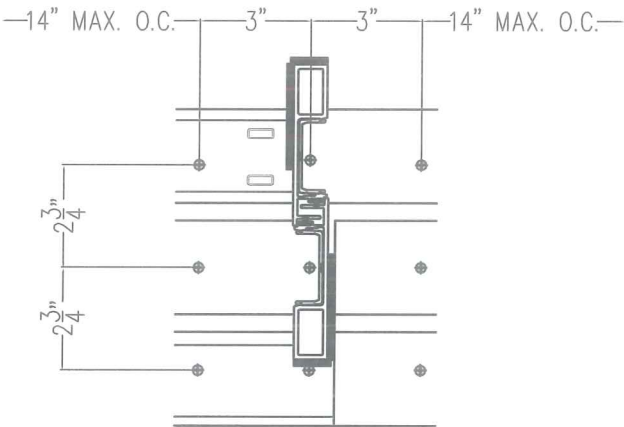


2 TRACK – WOOD

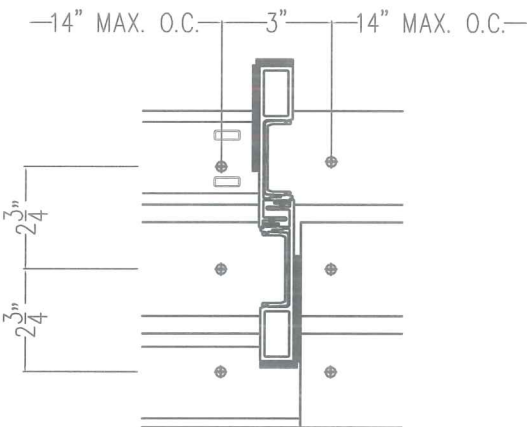


2 TRACK – STEEL/ALUM/CONCRETE
(4,5,6 TRACK SIMILAR)

SEE SHEET 11 FOR
ANCHOR TYPES AND
REQUIREMENTS.



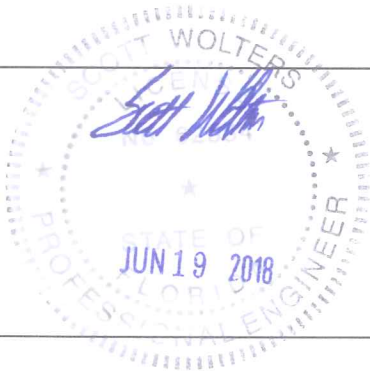
3 TRACK – WOOD
(4,5,6 TRACK SIMILAR)



3 TRACK – STEEL/ALUM/CONCRETE
(4,5,6 TRACK SIMILAR)

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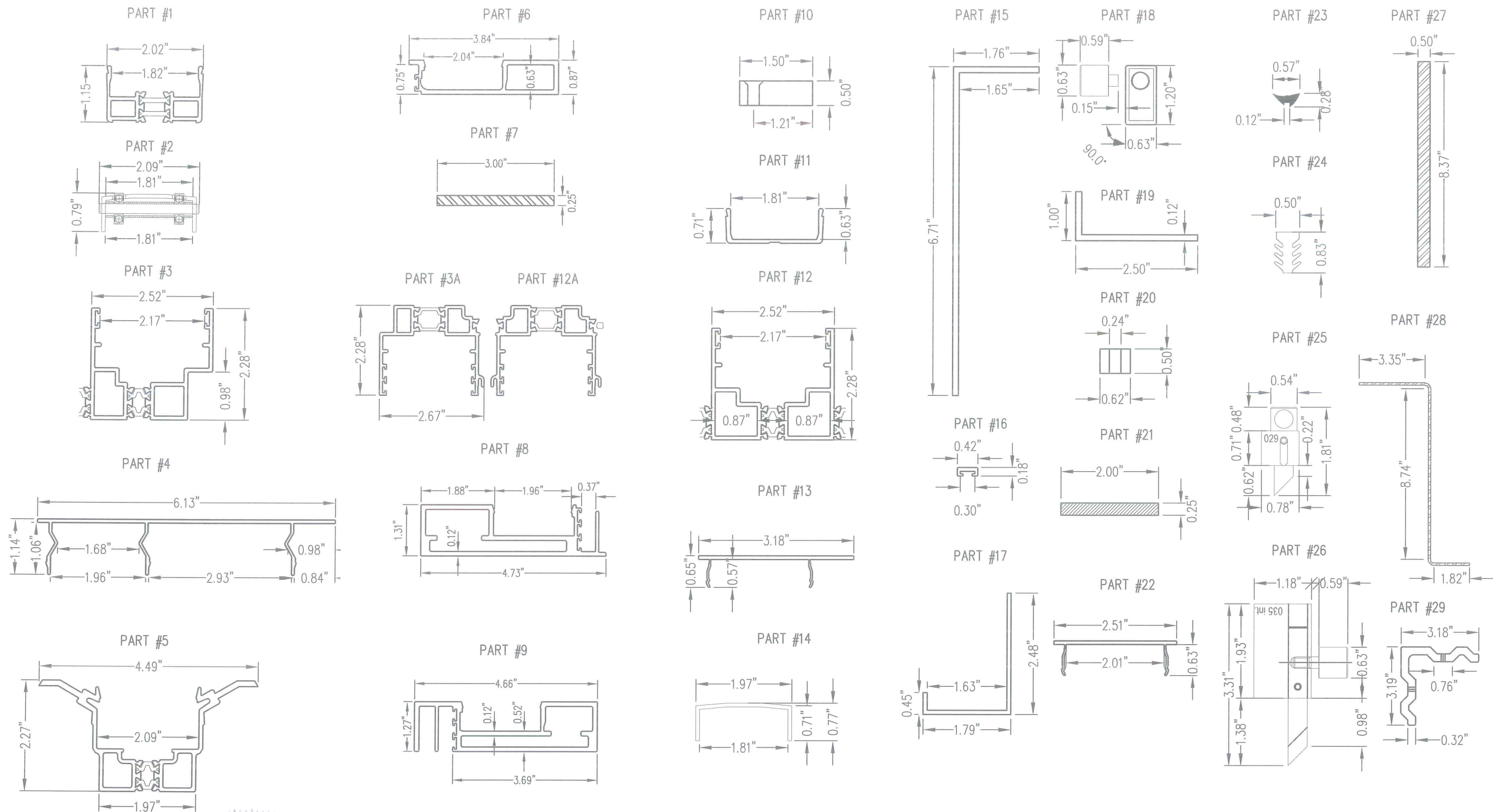
TH+ SERIES LIFT & SLIDE DOORS

FRAME ANCHOR PATTERNS



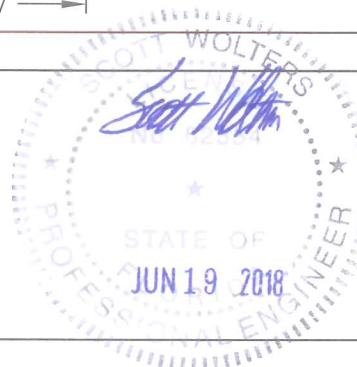
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TH+ SERIES LIFT & SLIDE DOORS

PART DRAWINGS

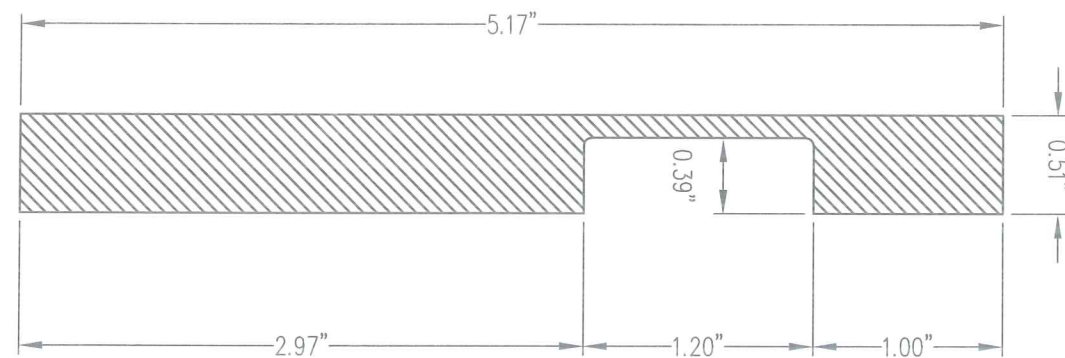


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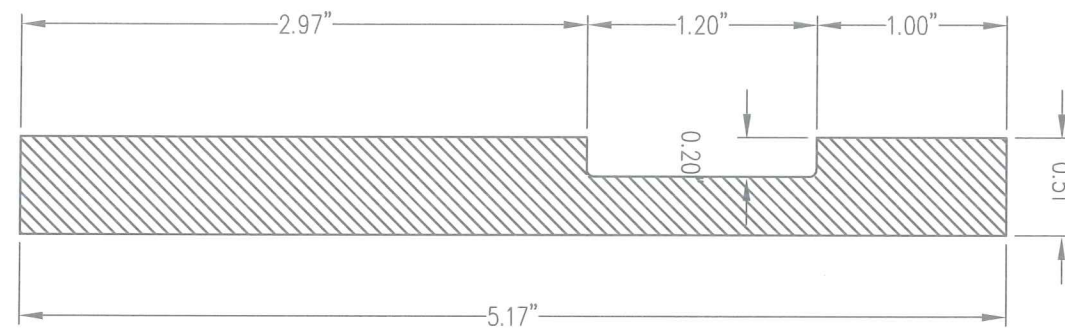
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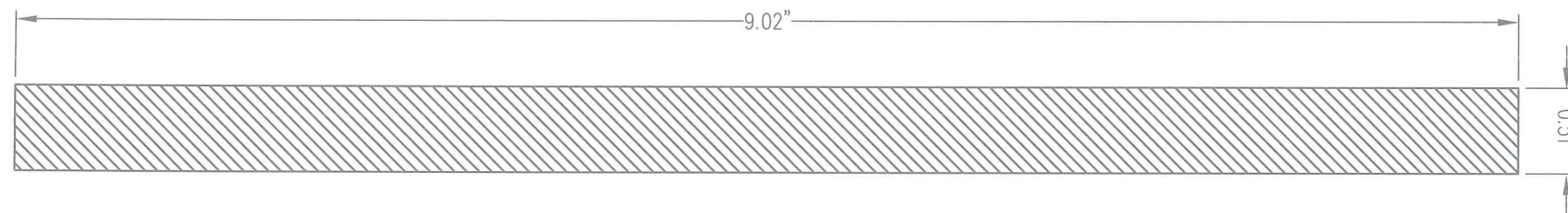
PART #30



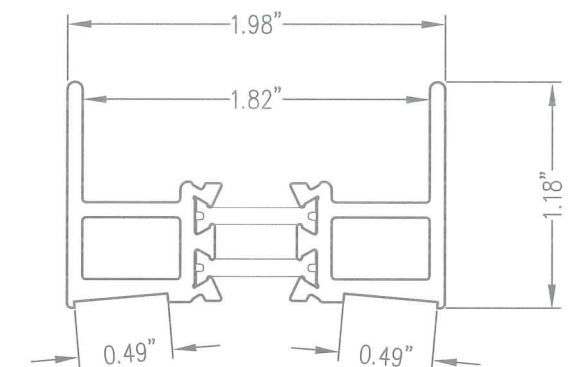
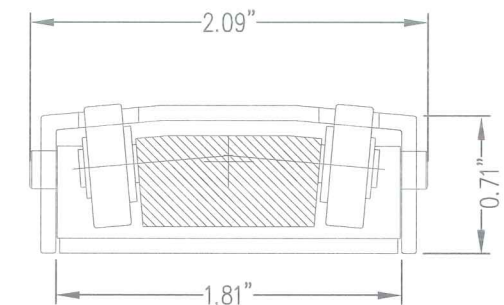
PART #30



PART #30

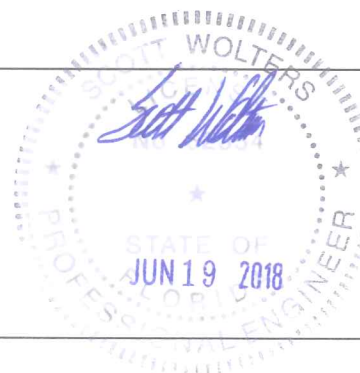


PART #43



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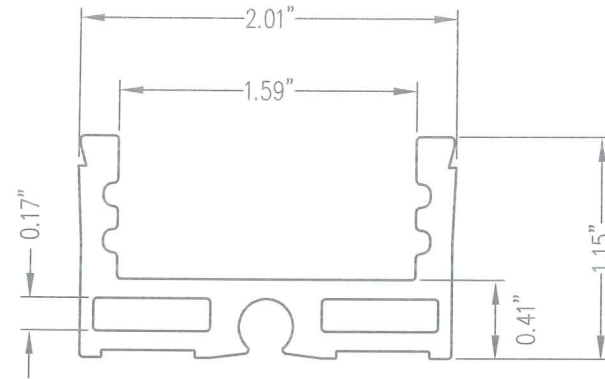
PART DRAWINGS

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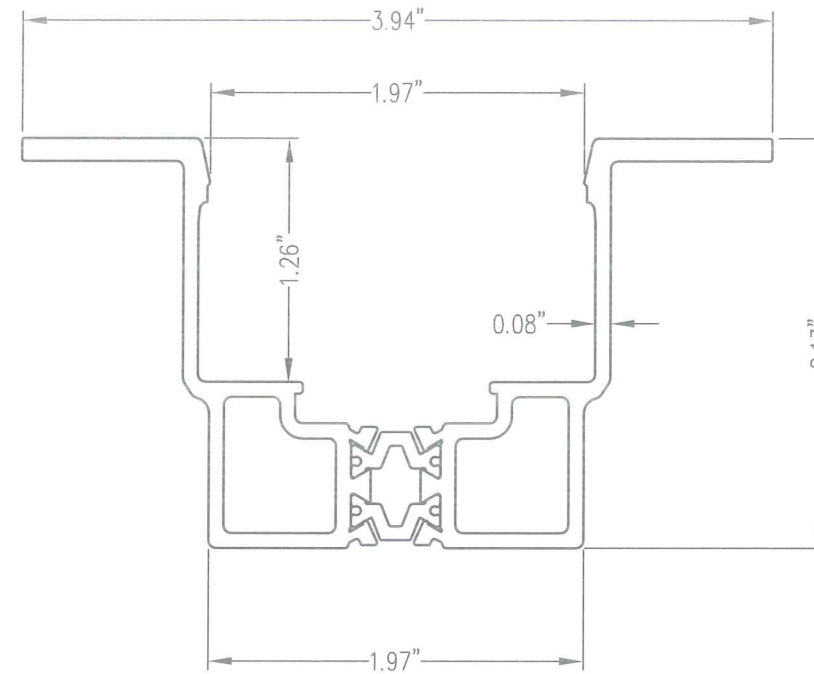
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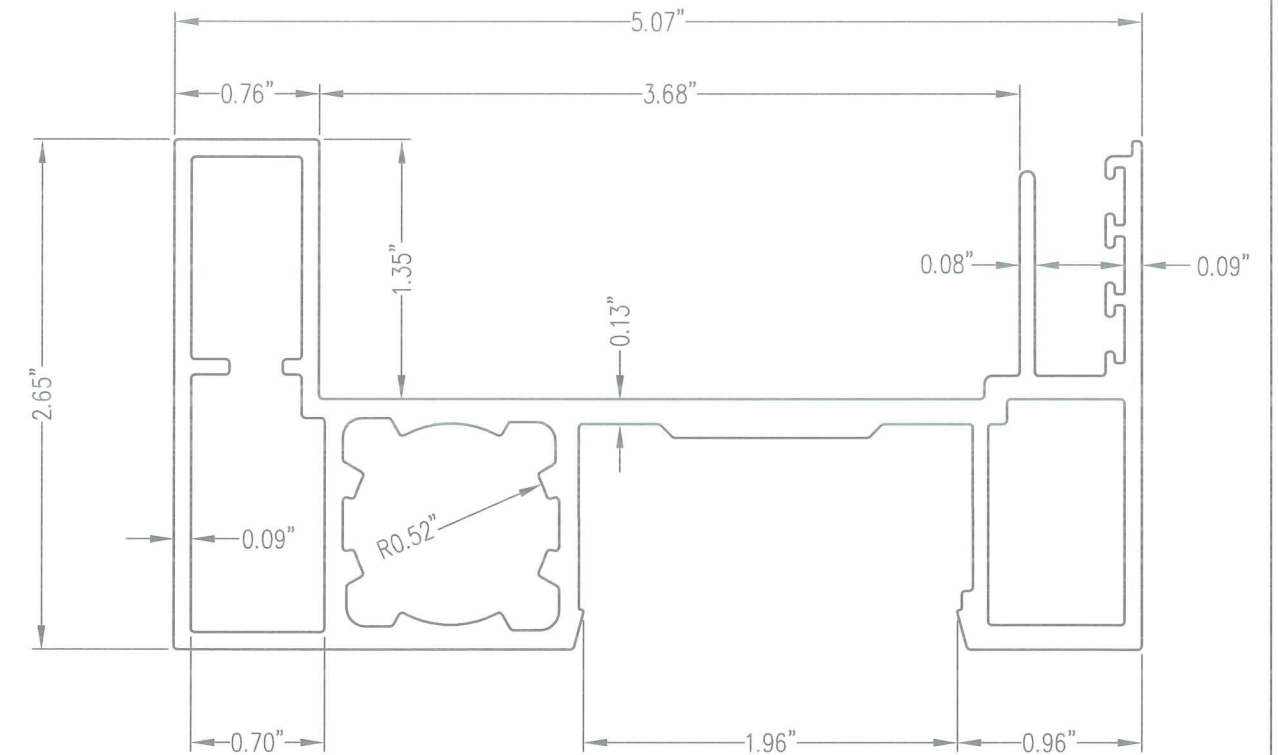
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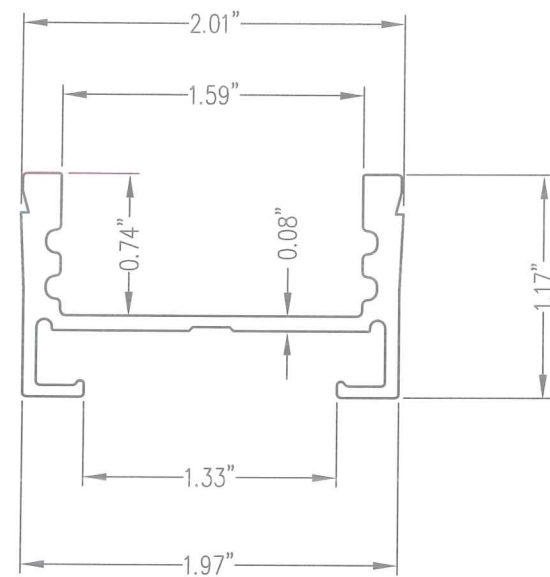
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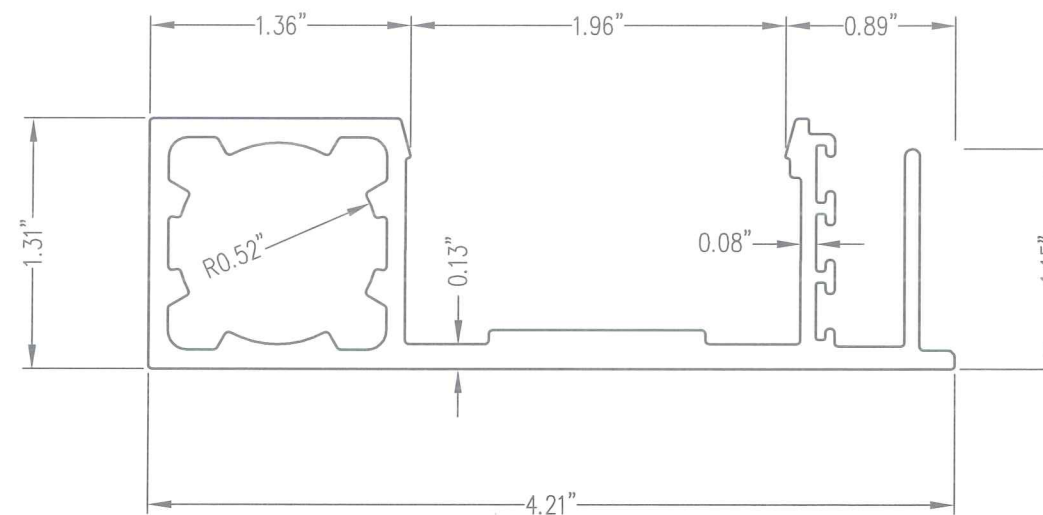
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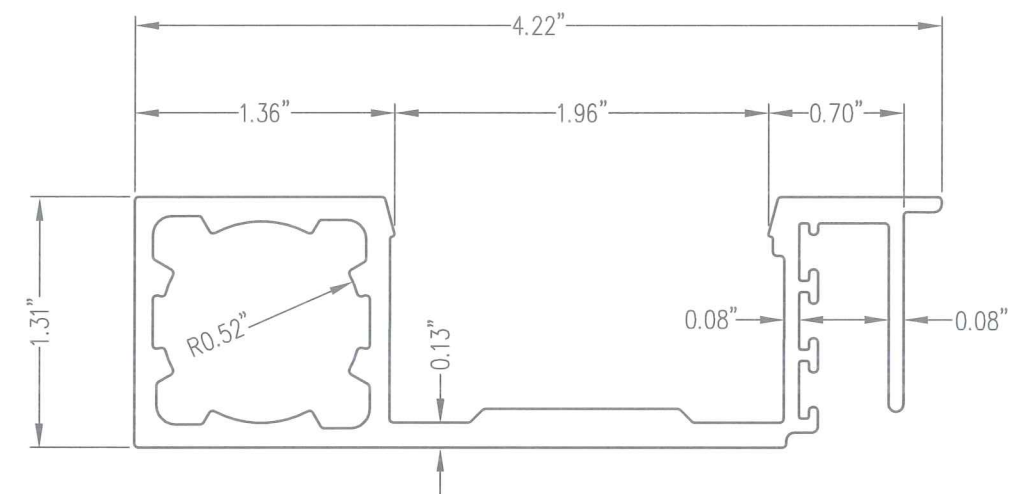
PART #51



PART #53

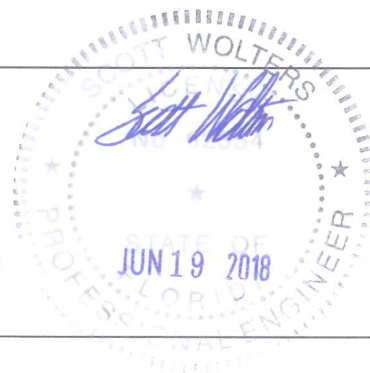


PART #57



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ITEM	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
PARTS			
1	LOCK STILE	VITROCSA	6063-T5 ALUMINUM
2	RAILS	VITROCSA	6063-T5 ALUMINUM
3	FRAME MEMBER	VITROCSA	6063-T5 ALUMINUM
4	2-TRACK COVER	VITROCSA	6063-T5 ALUMINUM
5	LOCK STILE HANDLE EXTRUSION	VITROCSA	6063-T5 ALUMINUM
6	POCKET EXTRUSION	VITROCSA	6063-T5 ALUMINUM
7	INTERLOCK REINFORCEMENT		304 STAINLESS STL
8	INTERLOCK	VITROCSA	6063-T5 ALUMINUM
9	CENTER MEETING STILE EXTRUSION	VITROCSA	6063-T5 ALUMINUM
10	FASTENER BLOCK	VITROCSA	6063-T5 ALUMINUM
11	STILE CLIP	VITROCSA	6063-T5 ALUMINUM
12	CENTER FRAME MEMBER	VITROCSA	6063-T5 ALUMINUM
13	TRACK COVER	VITROCSA	6063-T5 ALUMINUM
14	BLANK RAIL	VITROCSA	6063-T5 ALUMINUM
15	POCKET FACE EXTRUSION		6063-T5 ALUMINUM
16	WEATHER-STRIPPING CHANNEL	VITROCSA	6063-T5 ALUMINUM
18	POCKET LOCKING MECHANISM	VITROCSA	6063-T5 ALUMINUM
22	SYMMETRIC TRACK COVER	VITROCSA	6063-T5 ALUMINUM
43	RAILS- 4 X 4	VITROCSA	6063-T5 ALUMINUM
44	4 X 4 PROFILE	VITROCSA	6063-T5 ALUMINUM
50	GLAZING CHANNEL	VITROCSA	6063-T5 ALUMINUM
51	GLAZING CHANNEL	VITROCSA	6063-T5 ALUMINUM
52	LOCK STILE HANDLE EXTRUSION	VITROCSA	6063-T5 ALUMINUM
53	INTERLOCK	VITROCSA	6063-T5 ALUMINUM
54	1" DIA. INTERLOCK REINFORCING		304 STAINLESS STL
56	MEETING STILE	VITROCSA	6063-T5 ALUMINUM
57	MEETING STILE	VITROCSA	6063-T5 ALUMINUM

ITEM	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
HARDWARE			
17	POCKET SIDE EXTRUSION		6063-T5 ALUMINUM
19	PUSH LOCK ANGLE		6063-T5
20	ANCHOR BLOCK		6063-T5
21	CENTER MEETING STILE REINFORCEMENT		304 STAINLESS STEEL
23	FIXED PANEL GASKET	VITROCSA	EPDM
24	FRAME GASKET	VITROCSA	EPDM
25	JAMB SLIDE LOCK	VITROCSA	6063-T5
26	CENTER MEETING STILE PUSH LOCK	VITROCSA	6063-T5
27	ALUMINUM PLATE		6063-T5
28	SILL PAN		STAINLESS STEEL
29	CORNER BRACKET KEY	VITROCSA	6063-T5
30	FOREX POCKET FILLER		PVC FOAM
58	CENTER MEETING STILE SLIDE LOCK	VITROCSA	6063-T5
SEALS AND SEALANTS			
31	POLYPILE WEATHER-STRIPPING WITH CENTER FIN	AMESBURY	
32	¾" NEOPRENE SPONGE MEDIUM (LOCKING STILE)	CAL-NEVA SUPPLY	
33	1- ½" NEOPRENE SPONGE MEDIUM (UNDER RAIL)	CAL-NEVA SUPPLY	
34	⅛" X 4" DOW CORNING 123	DOW CORNING	
35	DOW CORNING 795	DOW CORNING	
36	DOW CORNING 995 (GLAZING BEAD)	DOW CORNING	
37	⅛" X ½" DOW CORNING 123	DOW CORNING	

ITEM	ITEM DESCRIPTION	MANUFACTURER/NOTES
MISC. FASTNERS		
38	NO.12 PHILIPS 316 STAINLESS STEEL SCREWS	4" FROM EACH EDGE & THEN EVERY 18.5" ON VERTICAL TRACK
39	¼" X 3-¼" TAPCON CONCRETE SCREWS	4" FROM EACH EDGE & THEN EVERY 14" ON HORIZONTAL TRACK
40	⅜" STAINLESS STEEL POP RIVETS	12" OC FOR REINFORCEMENTS
41	#10 STAINLESS STEEL FLATHEAD SCREWS	12" OC FOR REINFORCEMENTS
42	M6 PHILLIPS 316 STAINLESS STEEL MACHINE SCREWS	12" OC FOR REINFORCEMENTS

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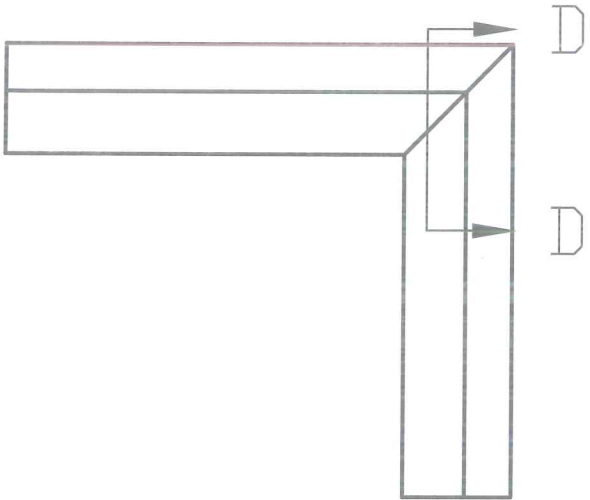
BILL OF MATERIALS



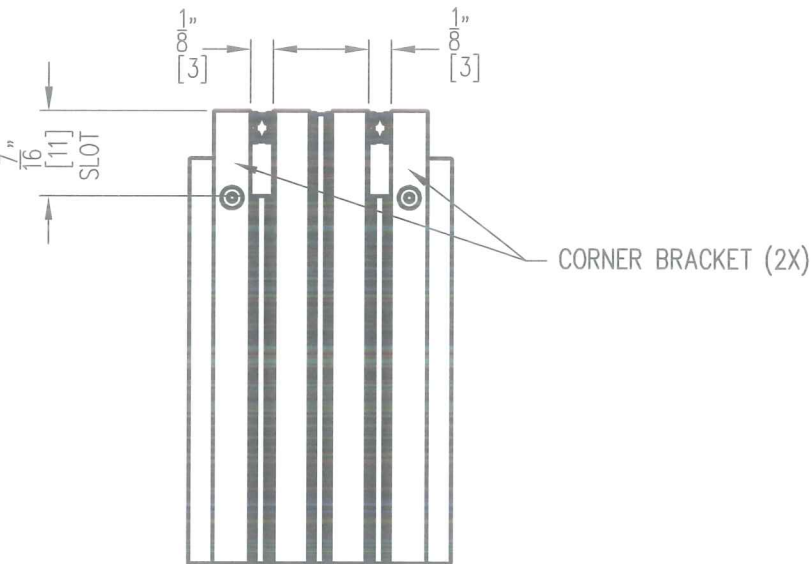
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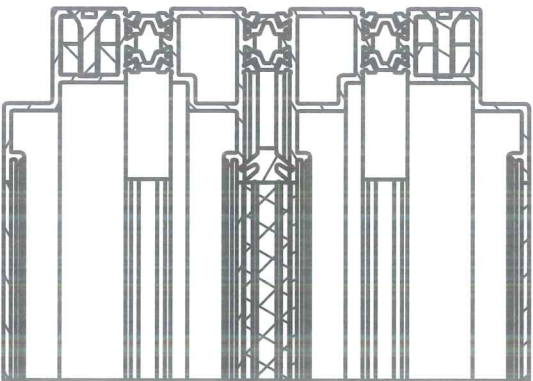
FRONT VIEW
SCALE 1 : 4



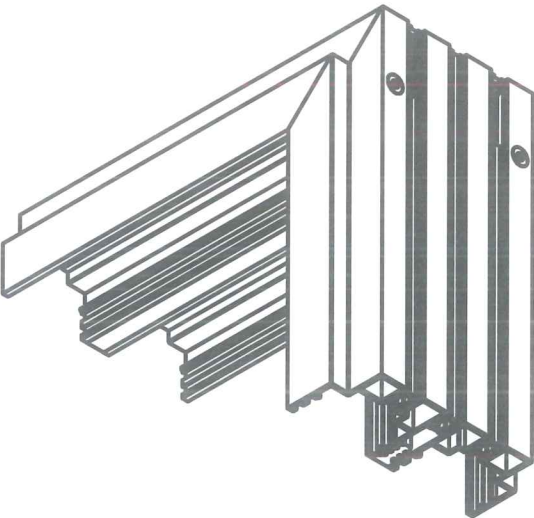
RIGHT VIEW
SCALE 1 : 4



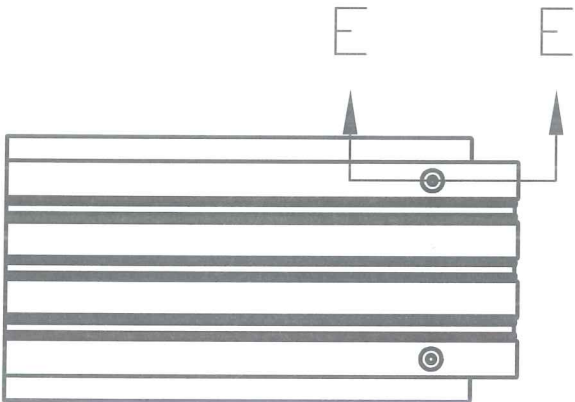
SECTION D-D
SCALE 1 : 2



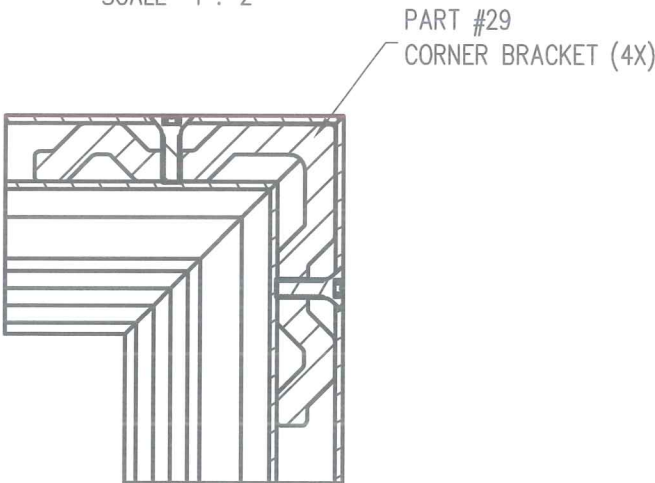
PERSPECTIVE VIEW
SCALE 1 : 4



TOP VIEW
SCALE 1 : 4



SECTION E-E
SCALE 1 : 2



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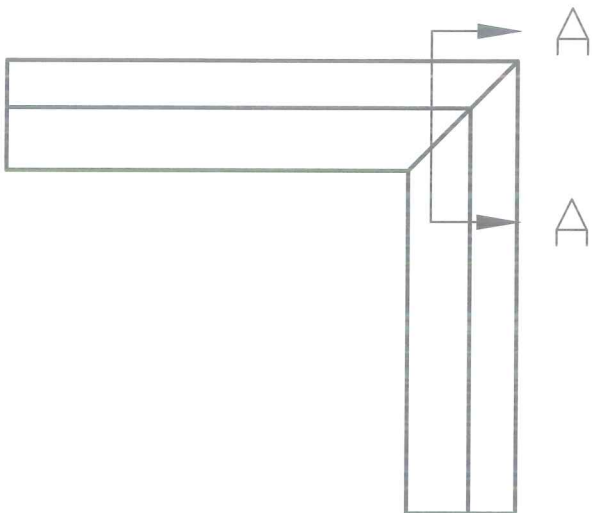
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SLOTS DETAIL DOUBLE TRACK



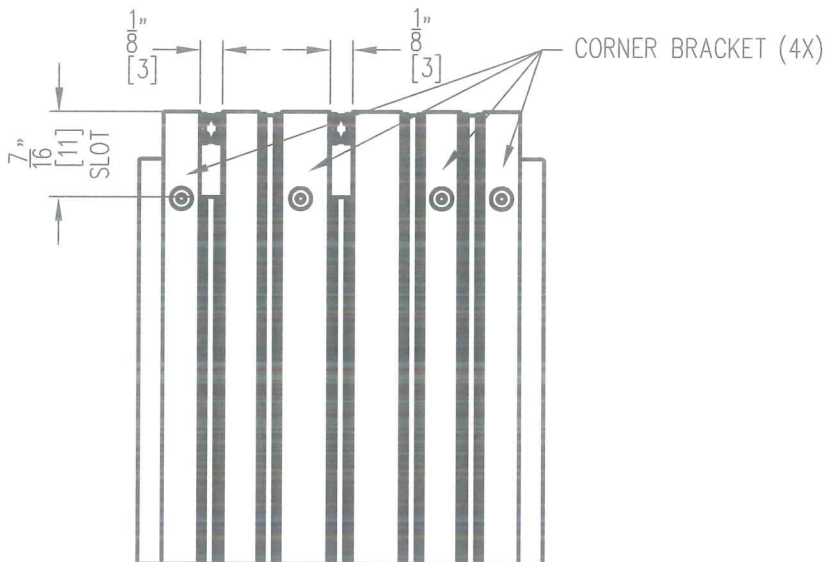
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FRONT VIEW
SCALE 1 : 4



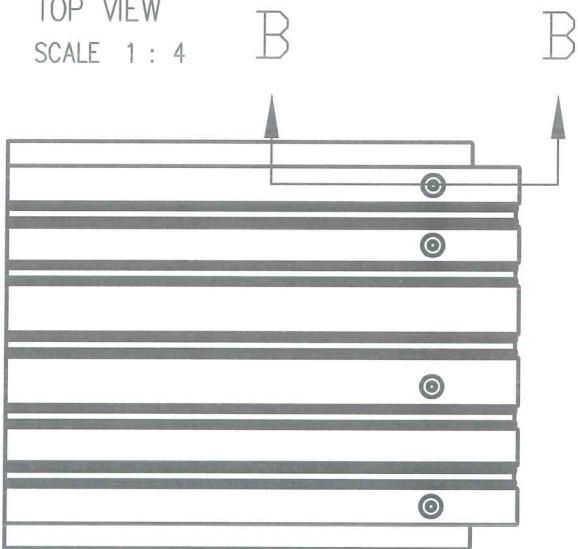
RIGHT VIEW
SCALE 1 : 4



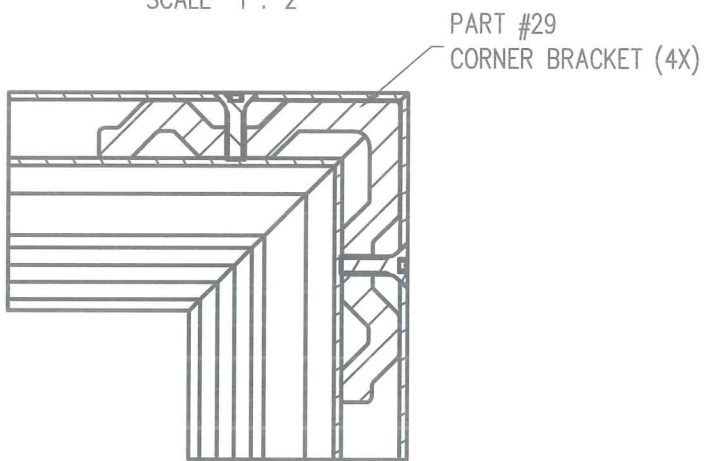
SECTION A-A
SCALE 1:4



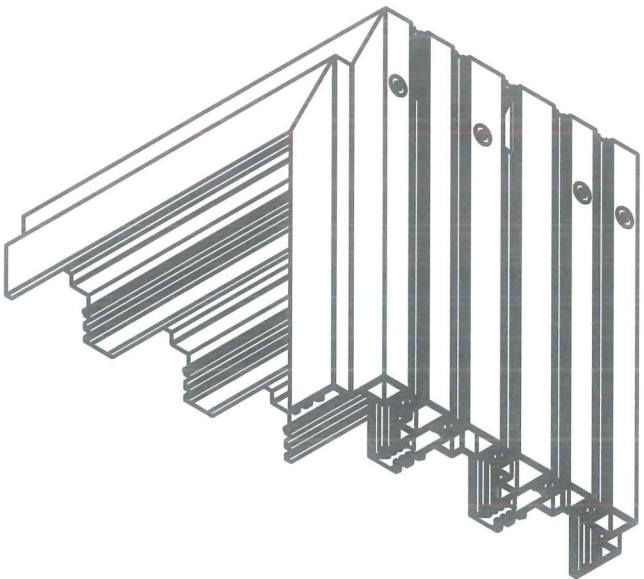
TOP VIEW
SCALE 1 : 4



SECTION B-B
SCALE 1 : 2

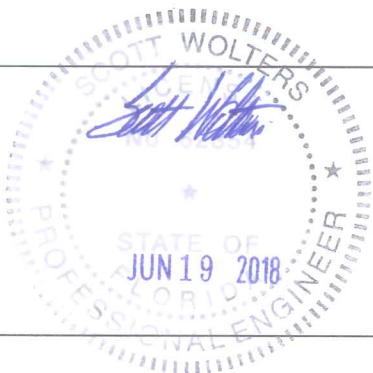


PERSPECTIVE VIEW
SCALE 1 : 4



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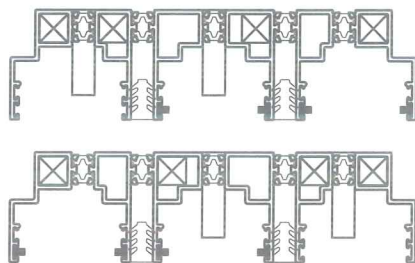
**SHEET
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LEGEND :

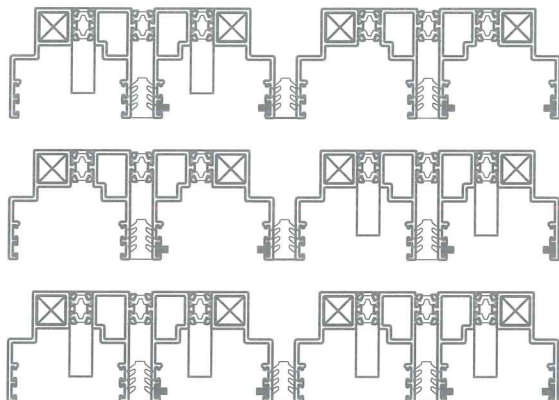
✕ CORNER BRACKET (PART#29)

□ SLOT

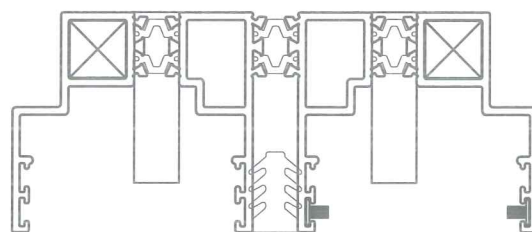
3-TRACK



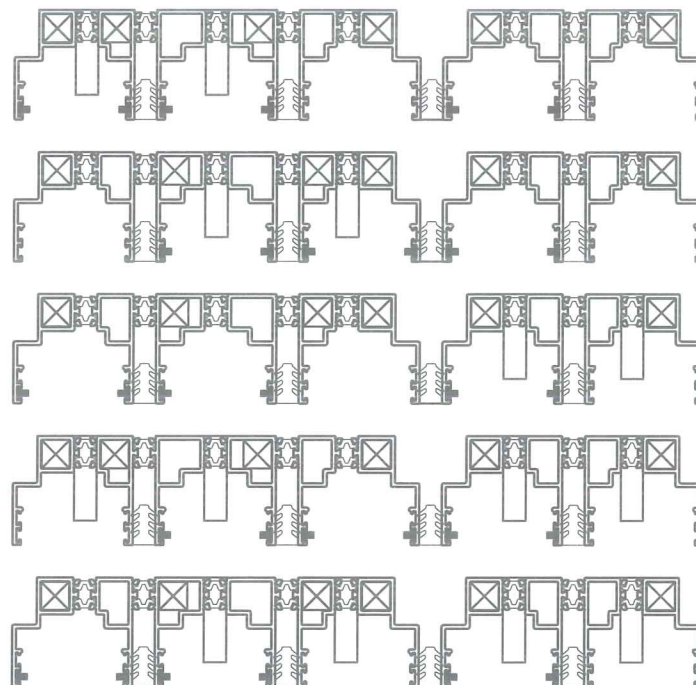
4-TRACK



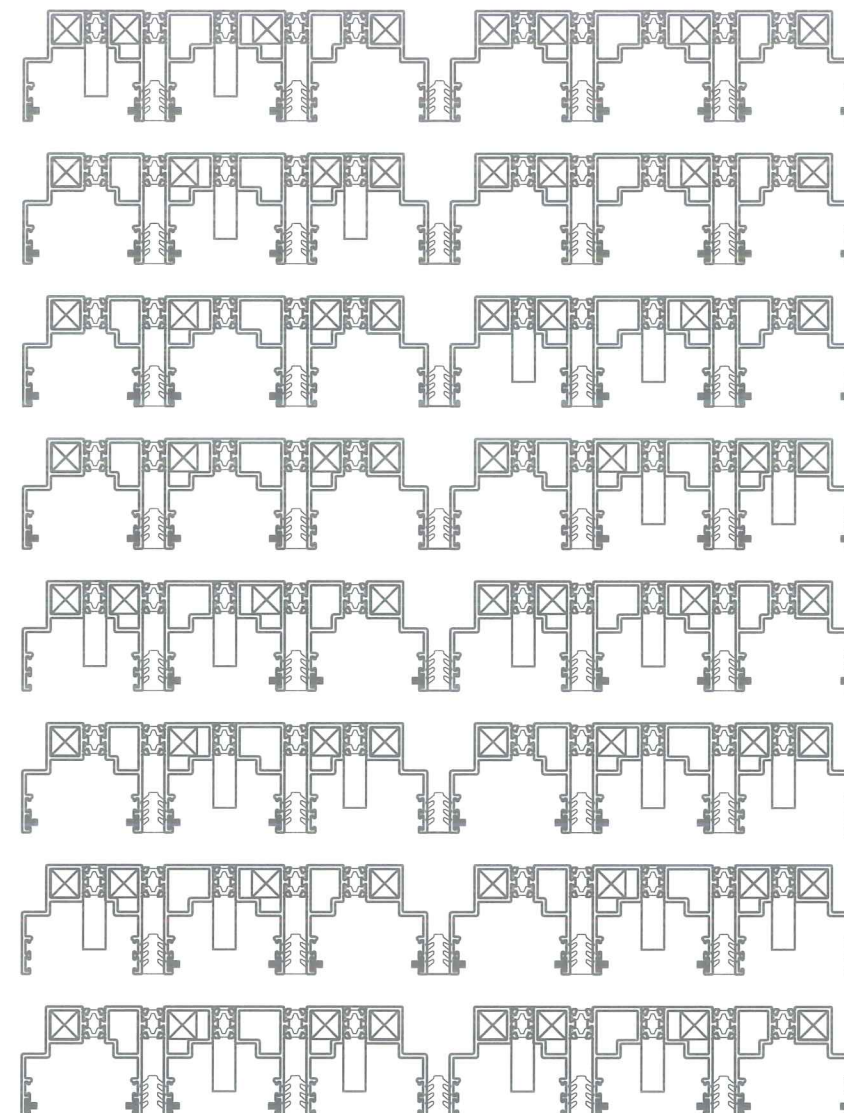
2-TRACK



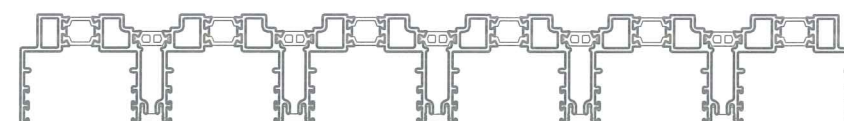
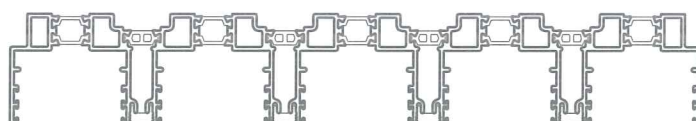
5-TRACK



6-TRACK

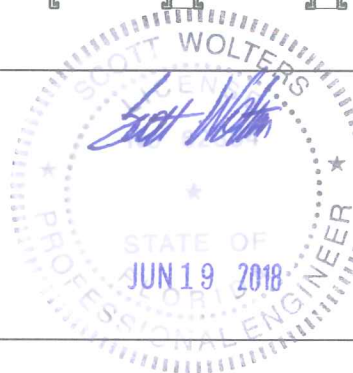


OPTIONAL HP THERMAL TRACKS
(CAN BE SUBSTITUTED FOR ANY STANDARD TRACK)



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CONFIGURATIONS



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