

Design Load Capacity - PSF (For 2 Track Configurations)																	
Glass Types 'A' & 'A1'		Door Frame Height (in.)															
		82"		84"		90"		96"		102"		108"		114"		120"	
Panel Width (in.)	30"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0
	36"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0
	42"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0
	48"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0
	54"	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8						
	60"	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0								

Design Load Capacity - PSF (For 3 Track Configurations)													
Glass Types 'A' & 'A1'		Door Frame Height (in.)											
		90"		96"		102"		108"		114"		120"	
Average Panel Width (in.)	42"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0
	48"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0
	53-11/16"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0
	54"	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2		
	56"	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4		
	59"	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6				
	60"	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4						
	63"	+55.1	-66.1	+55.1	-66.1								
	66"	+52.6	-63.1	+52.6	-63.1								

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES 755

ALUMINUM SLIDING GLASS DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF’S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

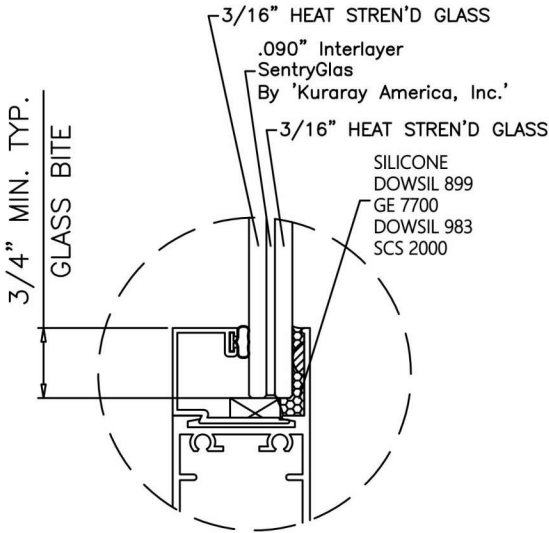
ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

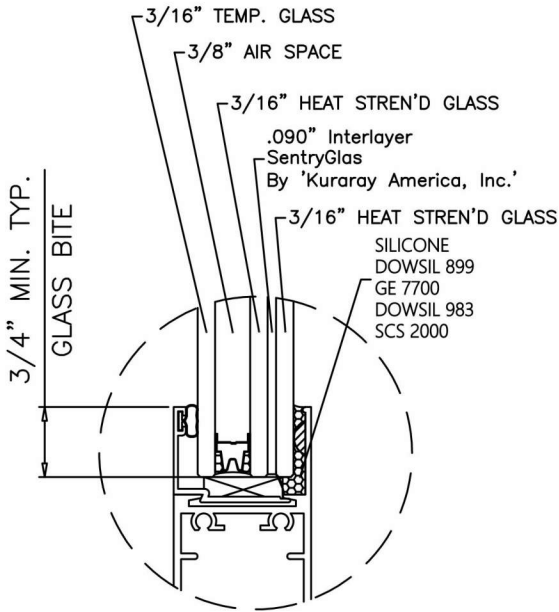
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL

DESIGN LOAD SHOWN ARE BASED ON ‘ALLOWABLE STRESS DESIGN (ASD)’.



GLASS TYPE ‘A’
7/16” NOM. LAMI. GLASS



GLASS TYPE ‘A1’
1” NOM. INSUL. LAM. GLASS

GLAZING OPTIONS

PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY EGRESS REQUIREMENTS PER FBC AS REQUIRED.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–16 (3 SEC. GUSTS)

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT



JAVAD AHMAD PE, inc

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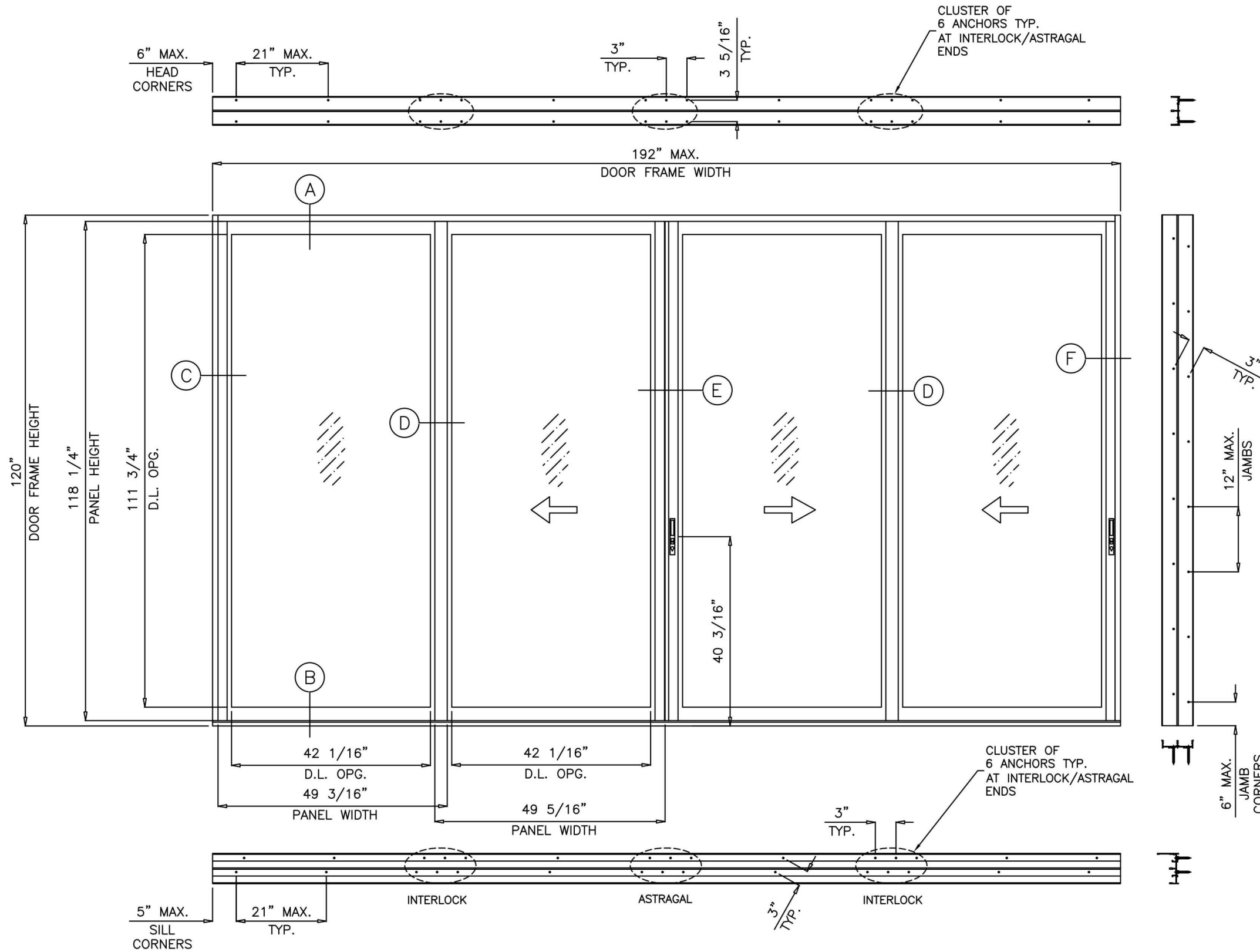
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			BY	DATE
MA	BS			

SERIES 755:ALUMINUM SLIDING GLASS DOOR
(L.M.I.)
LARGE MISSILE IMPACT RATED

ECO window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



SEALED: 12/30/2024



DAYLIGHT OPENING WIDTHS:
PANEL WIDTH – 7.125"

DAYLIGHT OPENING HEIGHT:
PANEL HEIGHT – 6.50"

PANEL HEIGHT = DOOR FRAME HEIGHT – 1.5625"

TYPICAL ELEVATION (2 TRACKS)
OXXX

FL#25674.6



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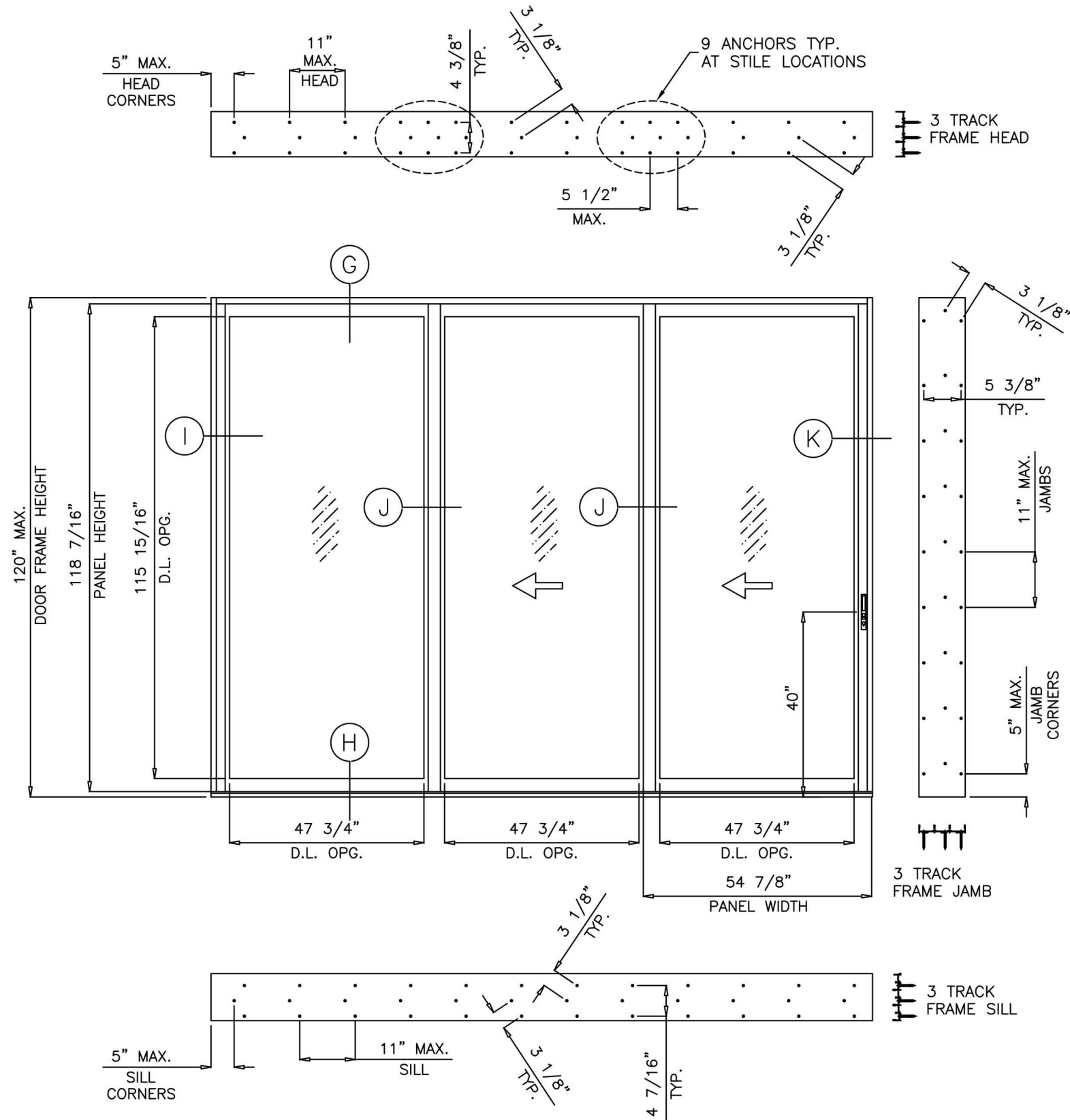


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DAYLIGHT OPENING WIDTHS:
 PANEL WIDTH – 7.125”

DAYLIGHT OPENING HEIGHT:
 PANEL HEIGHT – 6.50”

PANEL HEIGHT = DOOR FRAME HEIGHT – 1.5625”

TYPICAL ELEVATION (3 TRACKS)
 OXX (TESTED UNIT)

STANDARD CONFIGURATIONS

OXX
 XXO
 XXX

NOTE: OTHER CONFIGURATIONS
 USING THE PANEL STILE
 CONDITIONS SHOWN ARE
 ACCEPTABLE PROVIDED THE PANELS
 DO NOT EXCEED MAXIMUM SIZE.

FL#25674.6



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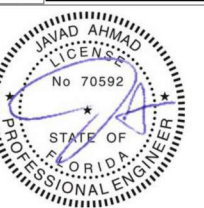
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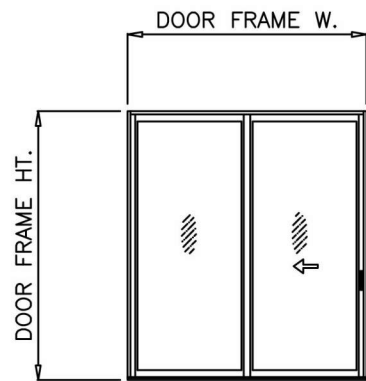
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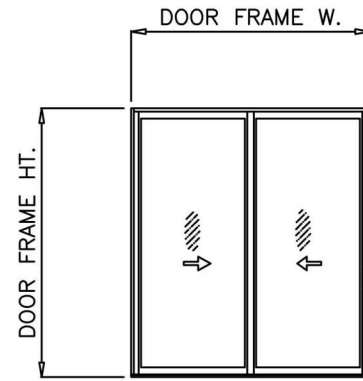
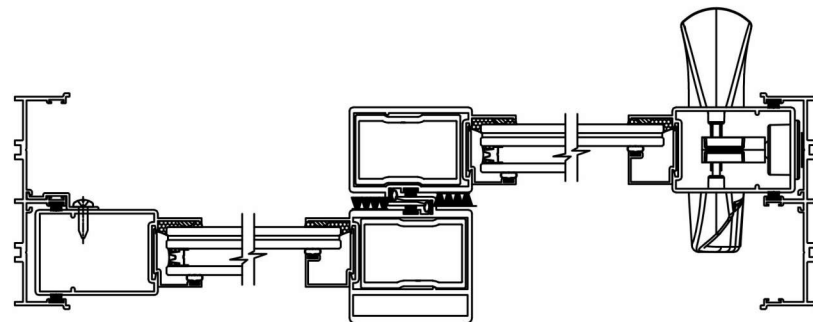
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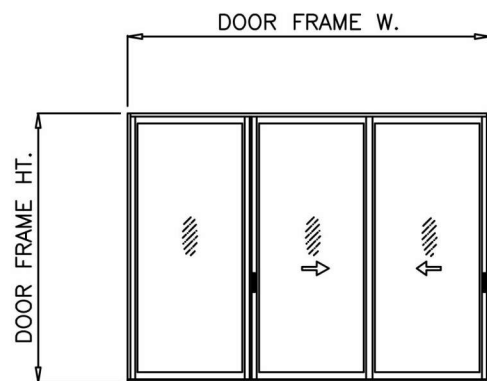
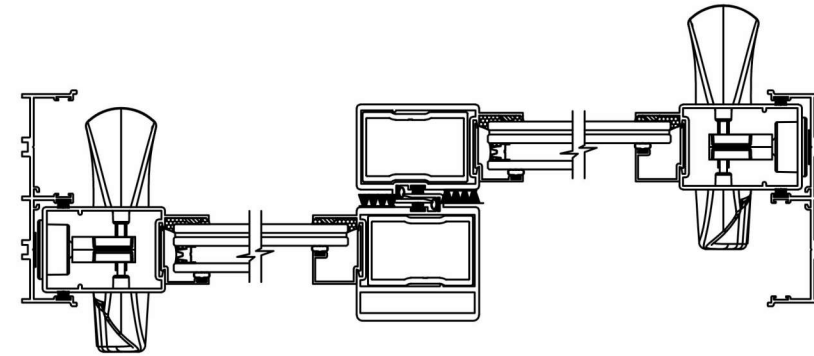
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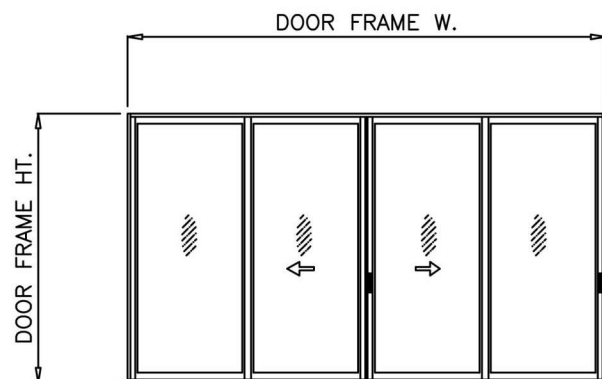
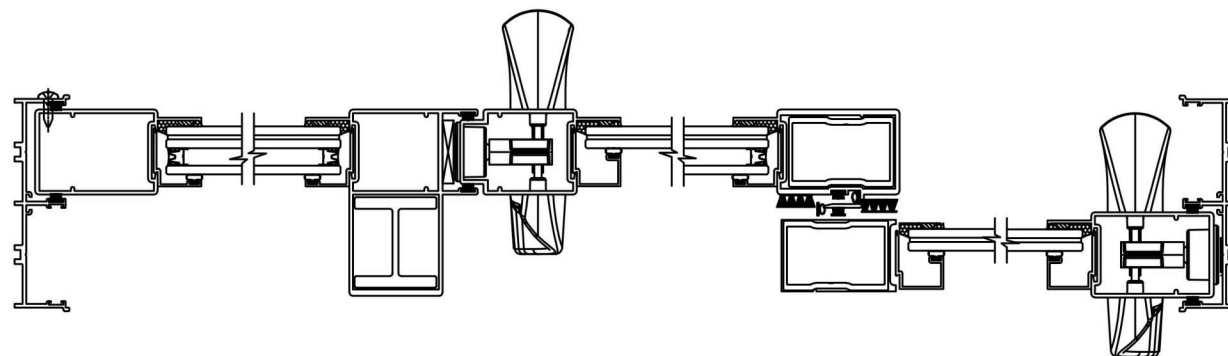
OX (SHOWN)
XO



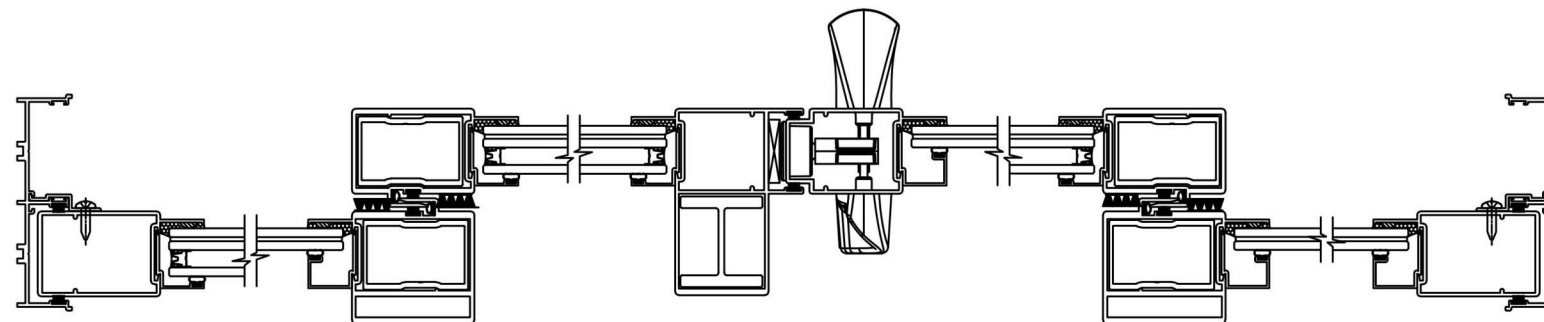
XX (SHOWN)



OXX (SHOWN)
XXO
OXO



OXXO (SHOWN)
OXXX
XXXO
XXXX



NOTES:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEET 5 THRU 10.
4. STANDARD CONFIGURATIONS ARE DISPLAYED. OTHER CONFIGURATIONS USING THE PANEL STILE CONDITIONS SHOWN ARE ACCEPTABLE PROVIDED THE PANELS DO NOT EXCEED MAXIMUM SIZE.

STANDARD CONFIGURATIONS (2 TRACKS)

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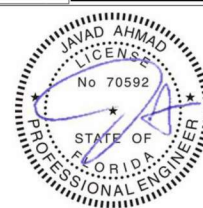
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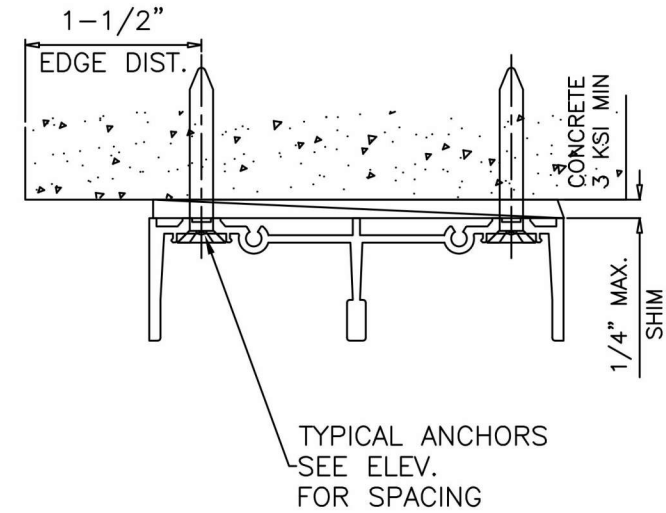
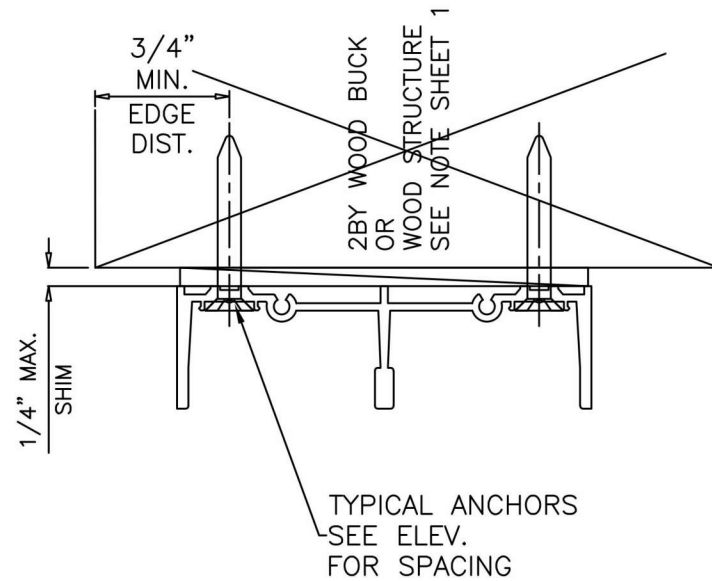
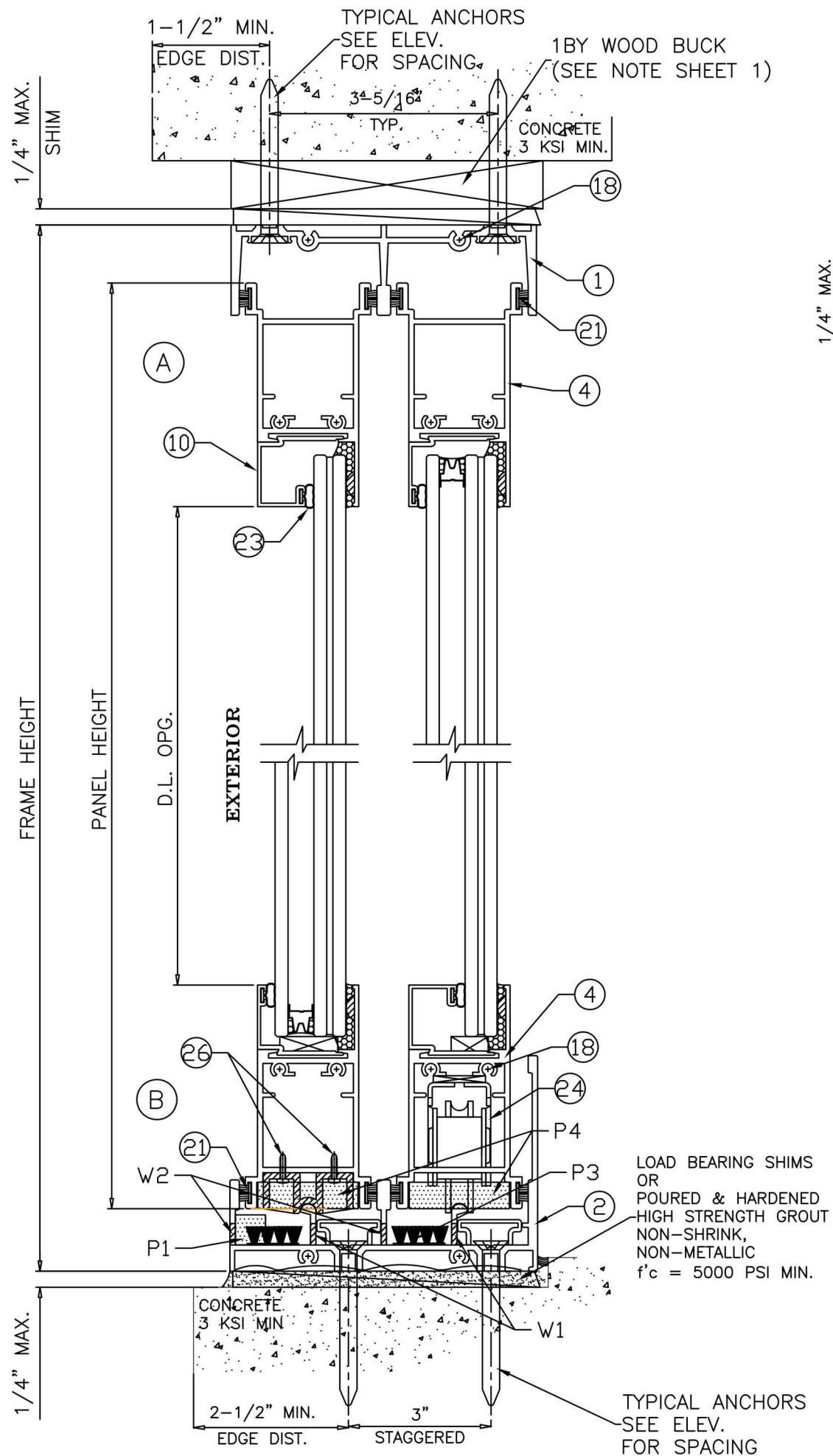
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(L.M.I.)
LARGE MISSILE IMPACT RATED



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WEEPHOLES:

W1 = 1-1/2" LONG NOTCH AT EACH END.

W2 = 3/16" X 7/8" LONG WEEP NOTCH AT 3" FROM ENDS AND 22-1/2" O.C.

PILE PADS:

P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION 1-1/16" LONG X 7/16" WIDE X 7/16" HIGH

P2 = SELF ADHESIVE PILE PAD 1" X 3/8" X 1/4" HIGH

P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN 2-1/2" X 1" X 3/8" HIGH

P4 = OPEN CELL FOAM AT INTERLOCK & ASTRAGAL 2" LONG X 1-7/16" WIDE X 7/16" HIGH

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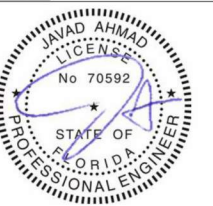
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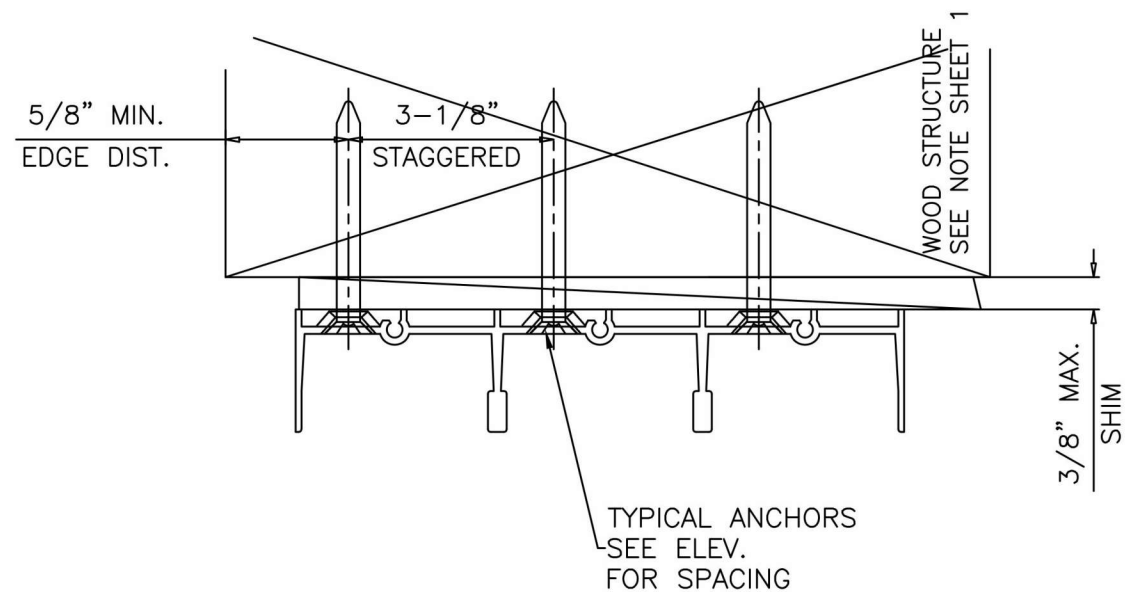
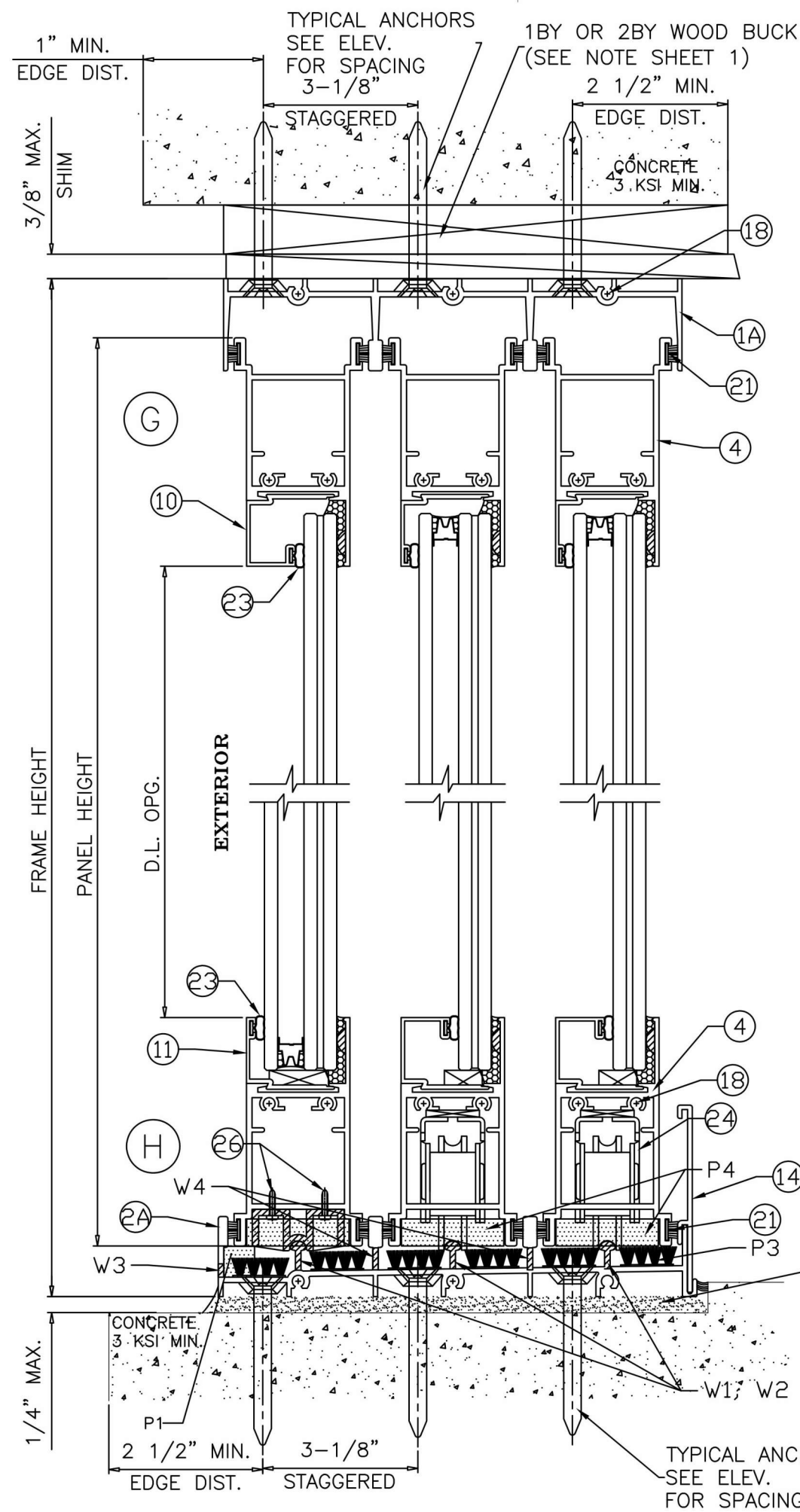
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05

05 of 14



WEEPHOLES:

- W1 = 1-1/2" LONG NOTCH AT EACH END.
- W2 = 3/16" X 3/4" LONG WEEP NOTCH AT 22" FROM ENDS AND 36" O.C.
- W3 = 3/16" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.
- W4 = 1/4" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.

PILE PADS:

- P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION 1-1/16" LONG X 7/16" WIDE X 7/16" HIGH
- P2 = SELF ADHESIVE PILE PAD 1" X 3/8" X 1/4" HIGH
- P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN 2-1/2" X 1" X 3/8" HIGH
- P4 = OPEN CELL FOAM AT INTERLOCK 2" LONG X 1-7/16" WIDE X 7/16" HIGH

POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK,
NON-METALLIC
f'c = 5000 PSI MIN.

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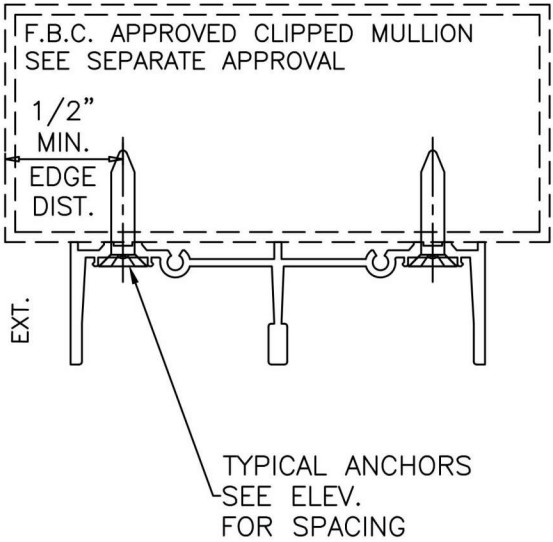
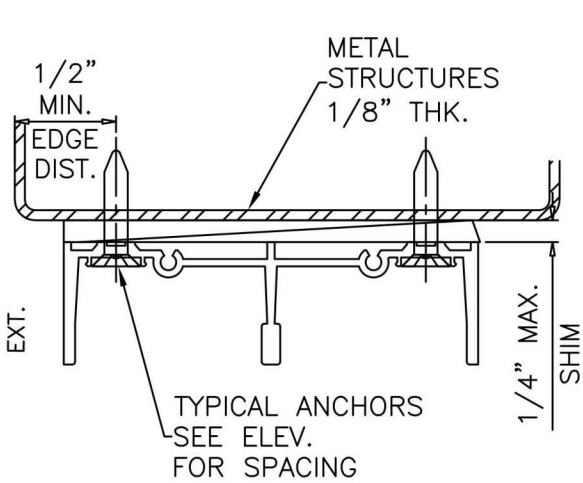
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS (2 TRACKS): SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon® +	Head / Jambs	Southern Pine (SG = 0.55)	3/4"	1-1/2"
	Head / Jambs	Thru 1BY Buck into Concrete (min. 3 ksi)	1-1/2"	1-3/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-3/4"
	All	Concrete (min. 3ksi)	1-1/2"	1-3/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-3/4"
1/4" TEKS Self Drilling Screws (Gr. 5)	All	F.B.C. Approved Mullions	1/2"	(3) Threads min. beyond metal thickness
	Head / Jambs	Aluminum 1/8" Thk. Min. (6063-T5)	1/2"	(3) Threads min. beyond metal thickness
	Head / Jambs	Steel 1/8" Thk. Min. (min. 36 ksi)	1/2"	(3) Threads min. beyond metal thickness

1. STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
2. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE



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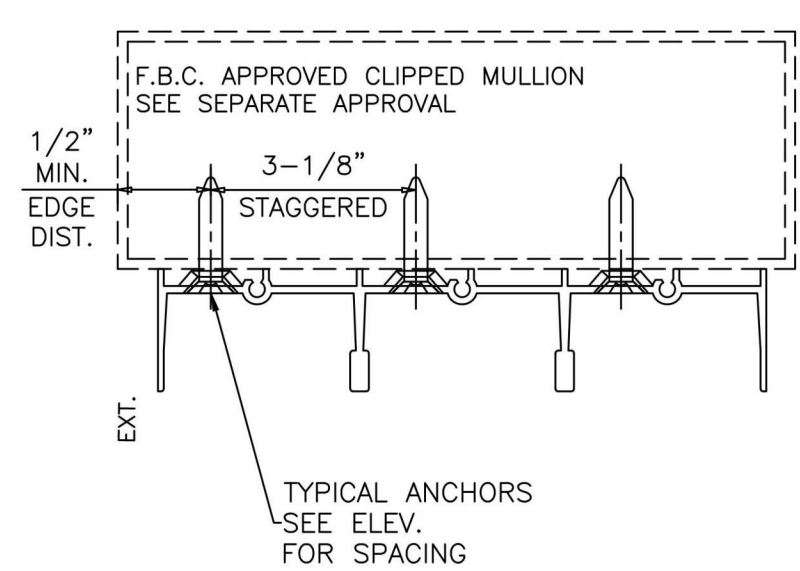
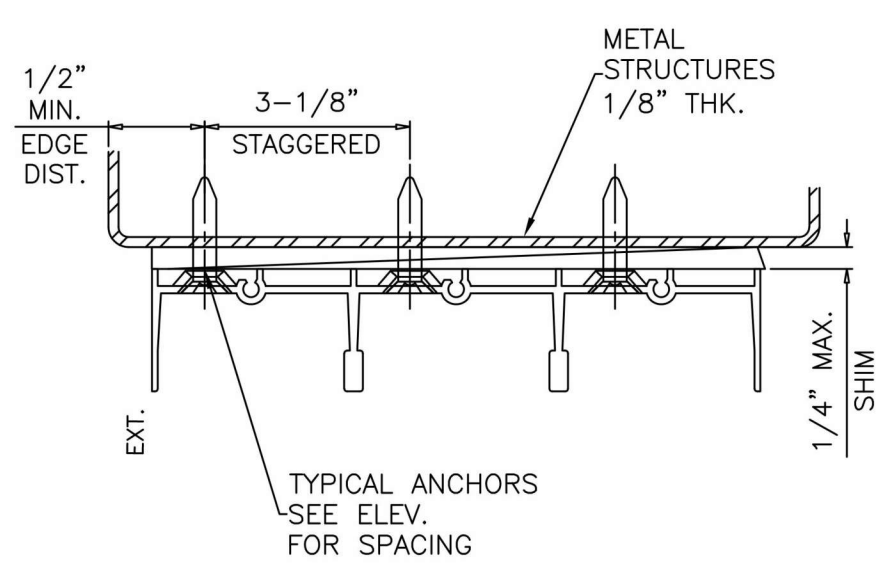
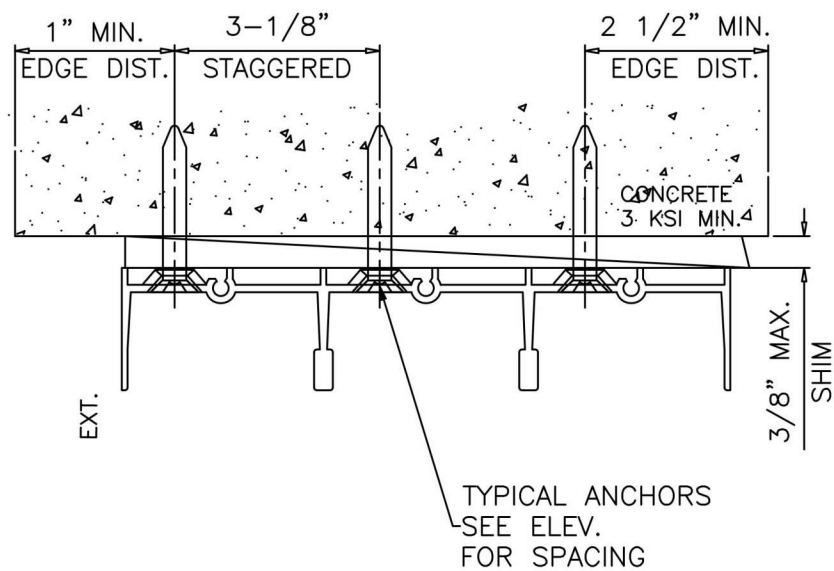
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TYPICAL ANCHORS (3 TRACKS): SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon® +	Head / Jambs	Southern Pine (SG = 0.55)	5/8"	1-3/4"
	Head / Jambs	Thru 1BY or 2BY Buck into Concrete (min. 3 ksi)	See Section Details	1-3/4"
	Jambs	Thru 1BY or 2BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	See Section Details	1-3/4"
	All	Concrete (min. 3ksi)	See Section Details	1-3/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	See Section Details	1-3/4"
1/4" TEKS Self Drilling Screws (Gr. 5)	All	F.B.C. Approved Mullions	1/2"	(3) Threads min. beyond metal thickness
	Head / Jambs	Aluminum 1/8" Thk. Min. (6063-T5)	1/2"	(3) Threads min. beyond metal thickness
	Head / Jambs	Steel 1/8" Thk. Min. (min. 36 ksi)	1/2"	(3) Threads min. beyond metal thickness

- STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
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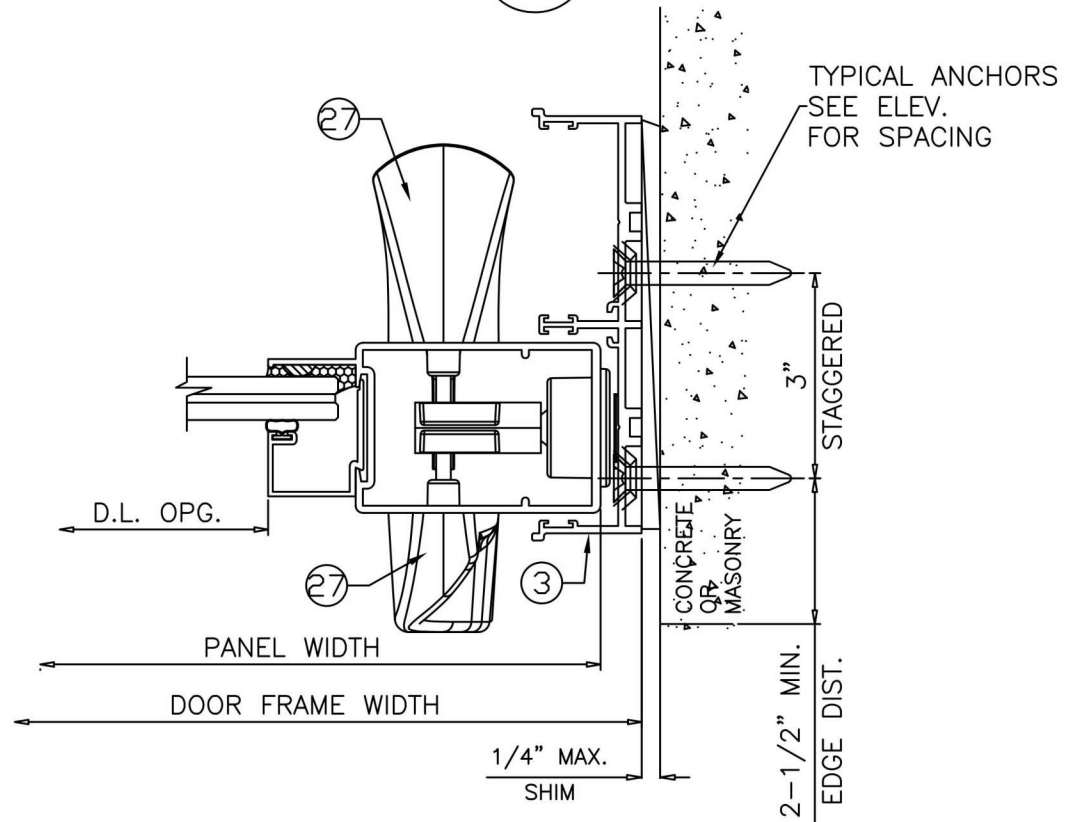
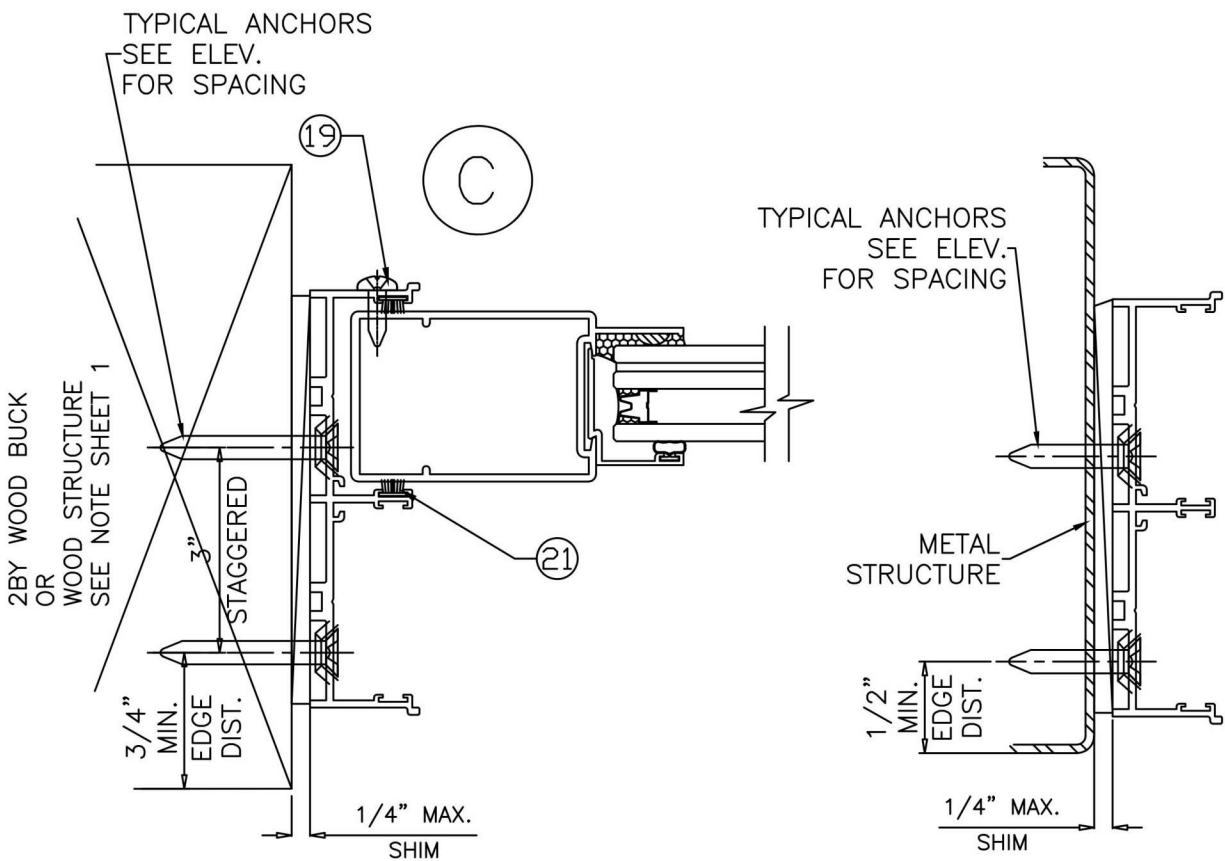
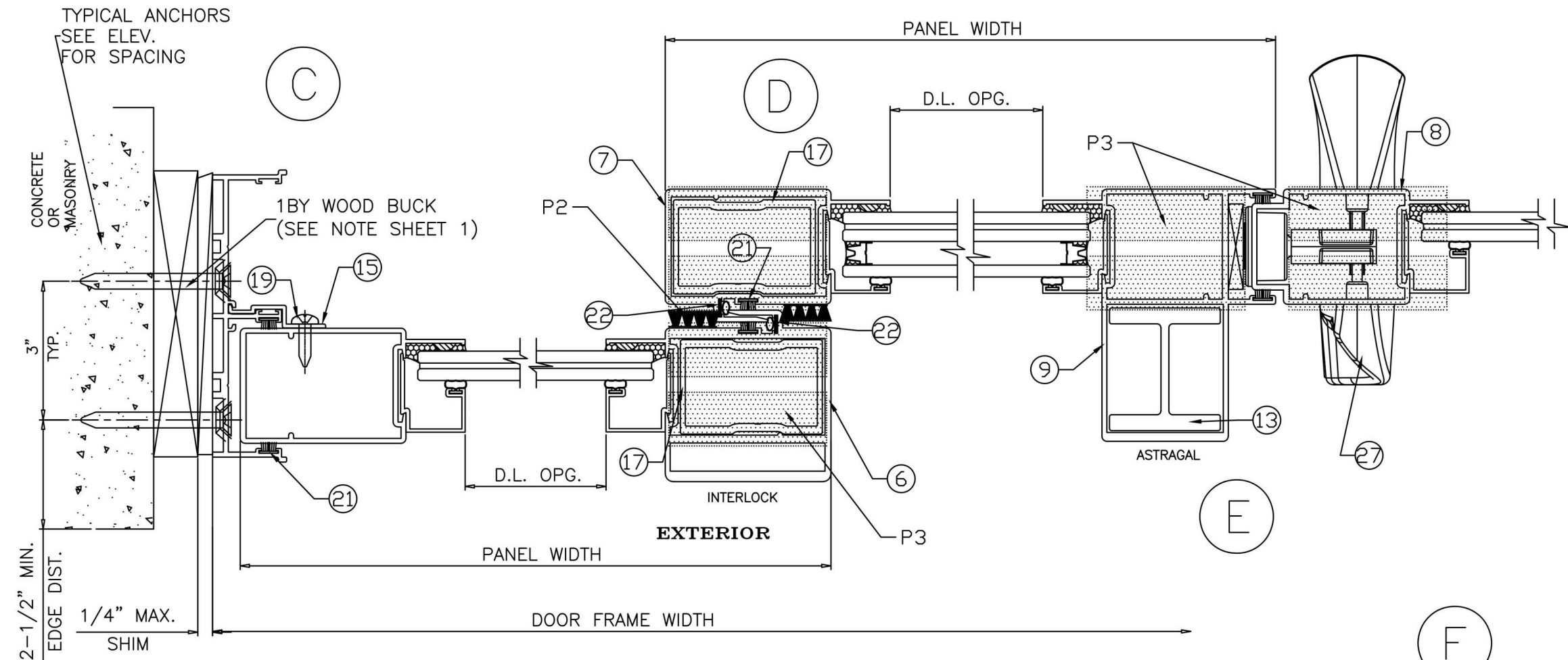
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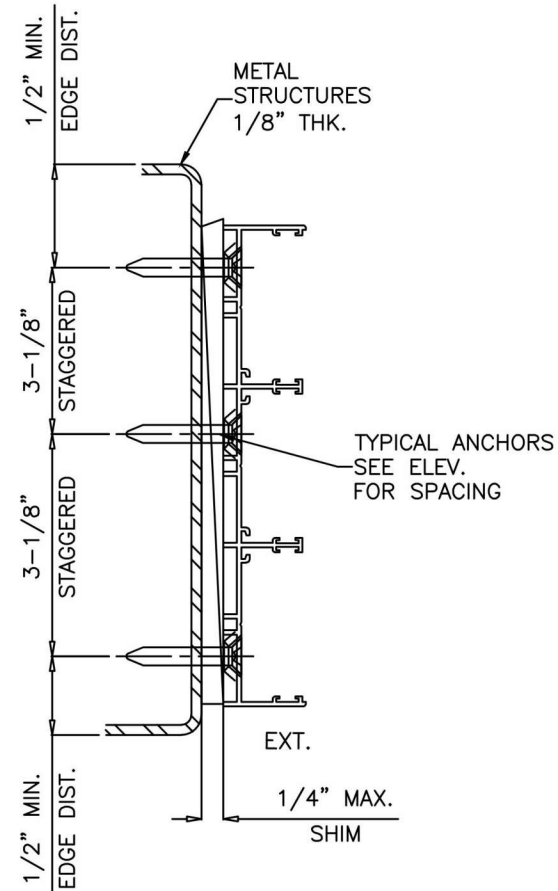
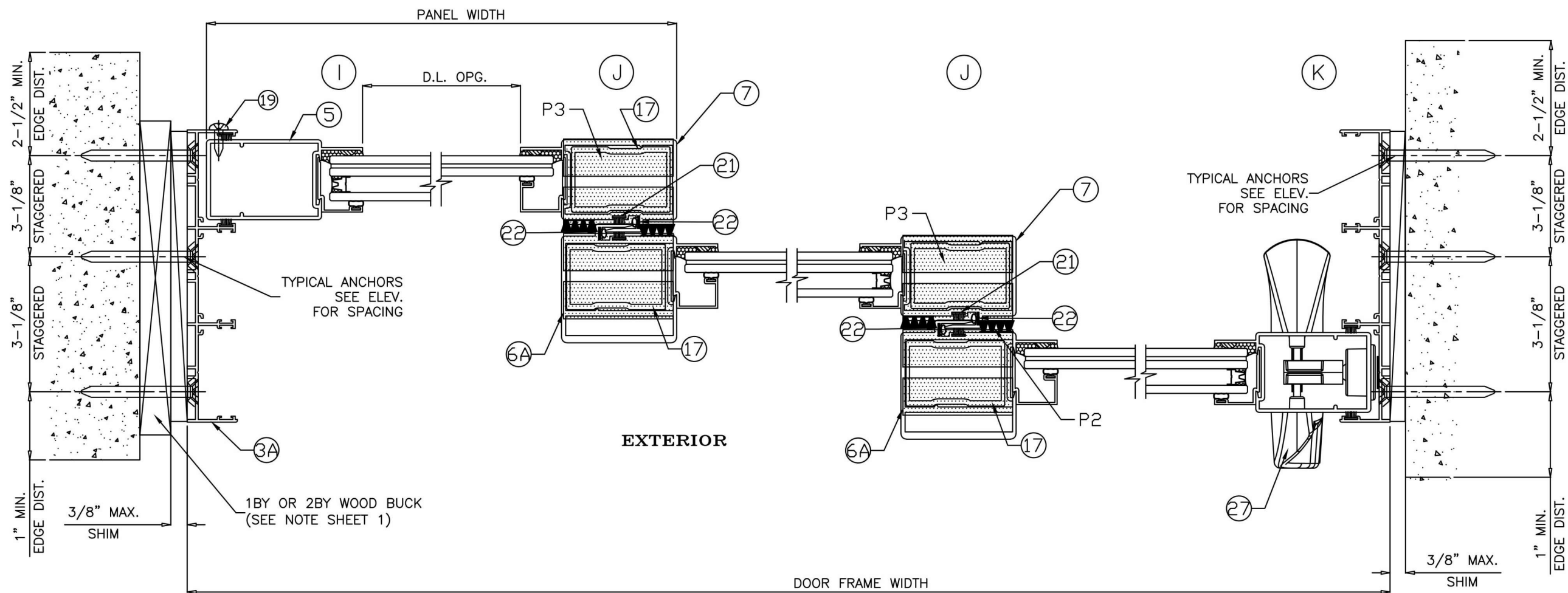
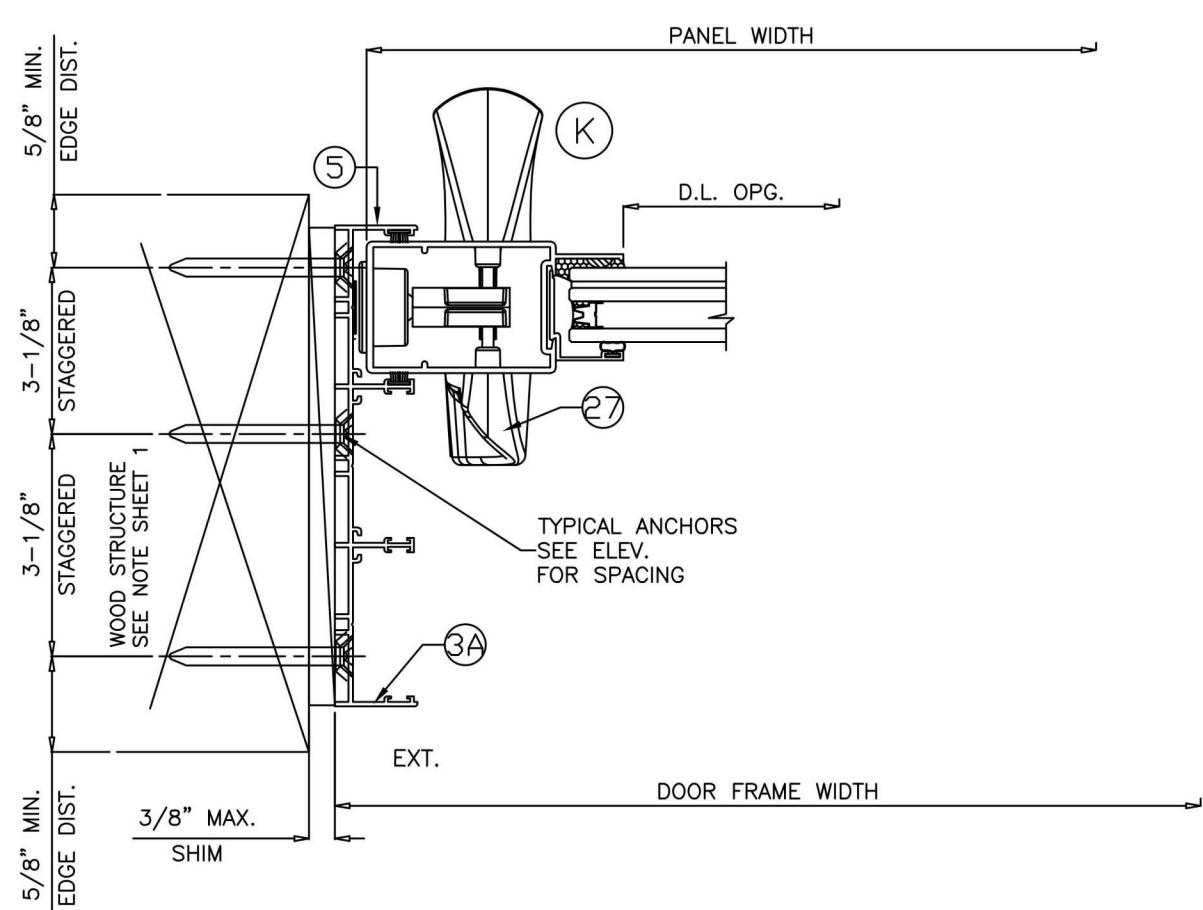
SERIES 755:ALUMINUM SLIDING GLASS DOOR
(L.M.I.)
LARGE MISSILE IMPACT RATED



ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



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FL#25674.6



JAVAD AHMAD PE, inc

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10 of 14

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E734	1	FRAME HEAD (2 TRACK)	6005 – T5	–
1A	E723	1	FRAME HEAD (3 TRACK)	6005 – T5	–
2	E735	1	FRAME SILL (2 TRACK)	6005 – T5	–
2A	E724	1	FRAME SILL (3 TRACK)	6005 – T5	–
3	E736	2	FRAME JAMB (2 TRACK)	6063 – T6	–
3A	E725	2	FRAME JAMB (3 TRACK)	6063 – T6	–
4	E704	2/PANEL	PANEL TOP & BOTTOM RAIL	6063 – T6	–
5	E705	AS REQD.	PANEL LOCKSTILE	6063 – T6	–
6	E730	AS REQD.	PANEL H.D. OUTER INTERLOCK	6063 – T6	–
7	E707	AS REQD.	PANEL INNER INTERLOCK	6063 – T6	–
8	E708	AS REQD.	PANEL MALE ASTRAGAL	6063 – T6	–
9	E709	AS REQD.	PANEL FEMALE ASTRAGAL	6063 – T6	–
10	E710	AS REQD.	GLAZING BEAD 7/16” LAMINATED GLASS	6063 – T6	–
11	E711	AS REQD.	GLAZING BEAD 1” INSULATED GLASS)	6063 – T6	–
12	E714	AS REQD.	2–3/4” SILL RISER	6063 – T6	–
13	E738	AS REQD.	ASTRAGAL REINFORCEMENT	6063 – T6	–
14	E750	AS REQD.	FRAME SILL COVER	6063 – T6	–
15	E715	AS REQD.	FIXED PANEL CLIP (CONTINUOUS)	6063 – T6	–
17	E717	AS REQD.	INTERLOCK REINFORCEMENT	6063 – T6	–
18	#10 X 3/4” HWH SMS	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	–
18A	#10 X 1” FH SMS	AS REQD.	PANEL ASSEMBLY SCREWS	ST. STEEL	–
19	#8 X 1/2” PH SMS	2/CLIP	FIXED PANEL CLIP SCREWS	ST. STEEL	AT 3” FROM ENDS & 16” O.C.
20	#10 X 1–1/4” PH SMS	1/ROLLER	ROLLER INST. SCREWS	–	NOT SHOWN
21	WEATHERSTRIP	AS REQD.	FRAME AND PANEL WEATHERSTRIP	–	FIN SEAL .190” HIGH BY ULTRAFAB
22	E235	AS REQD.	INTERLOCK BUMPER BULB	SANTOPRENE	ULTRAFAB
23	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB DUROMETER 65±5
24	PRO3–6005	2/MOV. PANEL	TANDEM NYLON WHEELS IN ST. STEEL HOUSING	–	INTERLOCK (1/2” MTG. SPACER REQD.)
25	E718	2/PANEL	FIXED PANEL SKATE	DELRIN	–
26	#8 X 1/2” PH SMS	2/CLIP	FIXED PANEL SKATE INST. SCREWS	ST. STEEL	–
27	–	AS REQD.	3 PLY DUAL POINT LOCK ASSEMBLY	–	BY INTERLOCK
28	–	AS REQD.	BUMPON (SILICONE SPACER)	SILICONE	BY FRANK LOWE
29	–	AS REQD.	SETTING BLOCK AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUMINUM COLORED SILICONE



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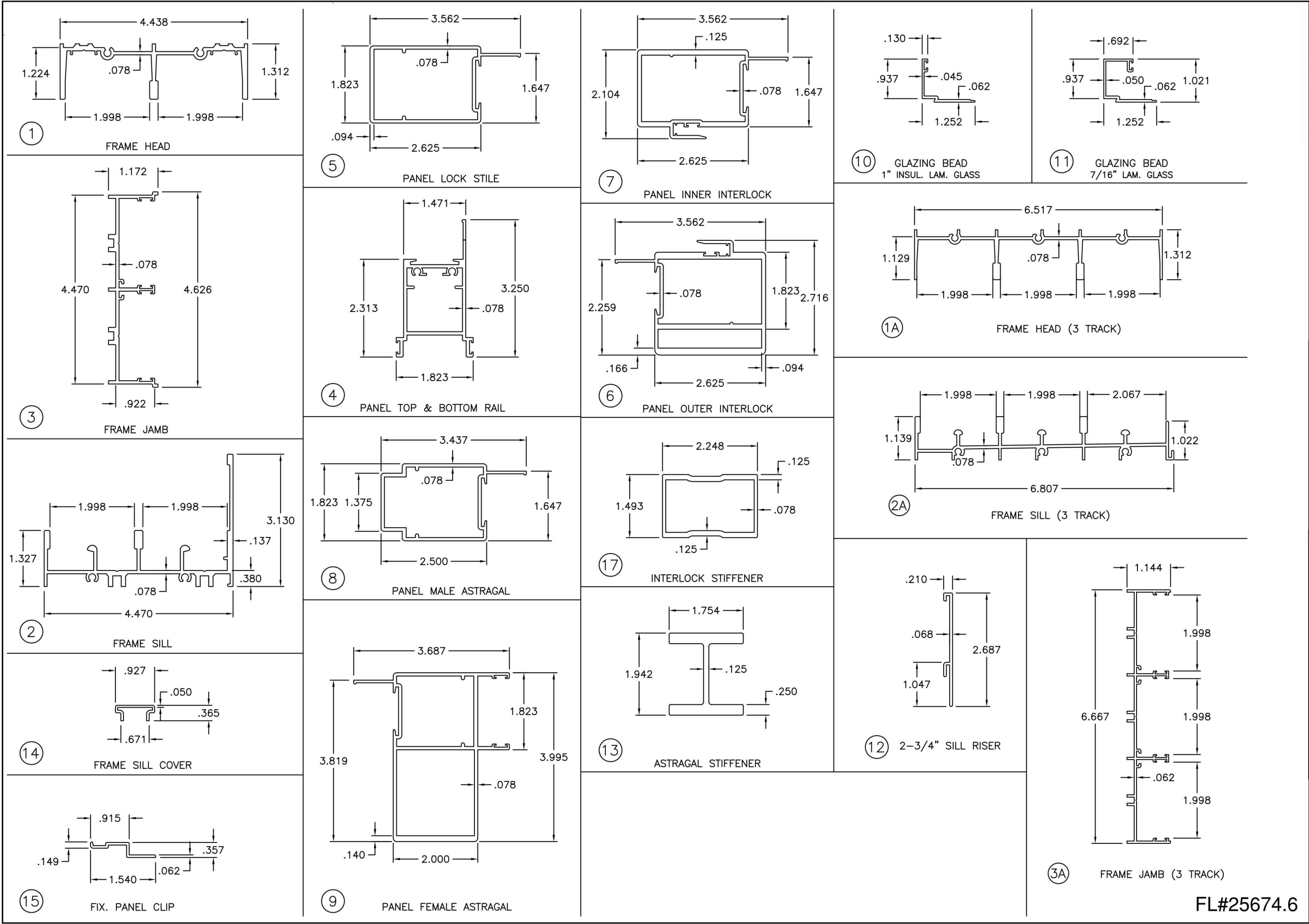
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drawing no.	date:	revision		MA	BS
		No.	DESCRIPTION		
JA-1844-24	12/30/2024				

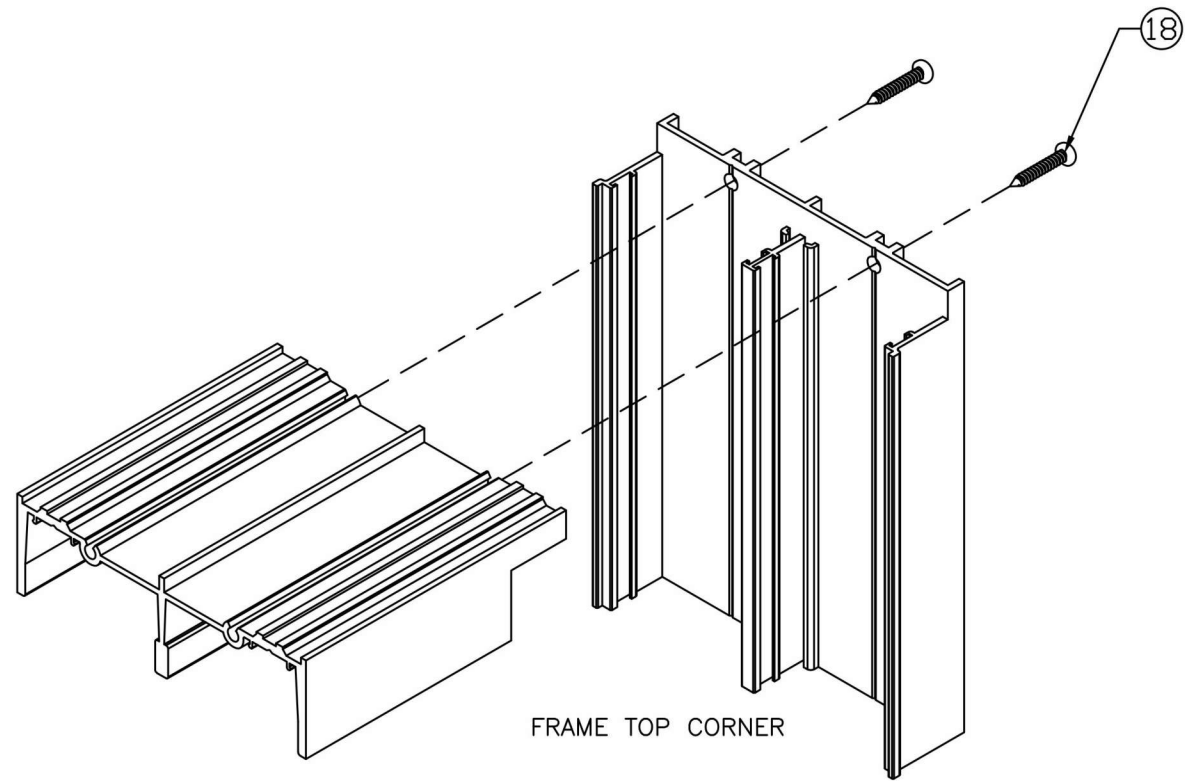
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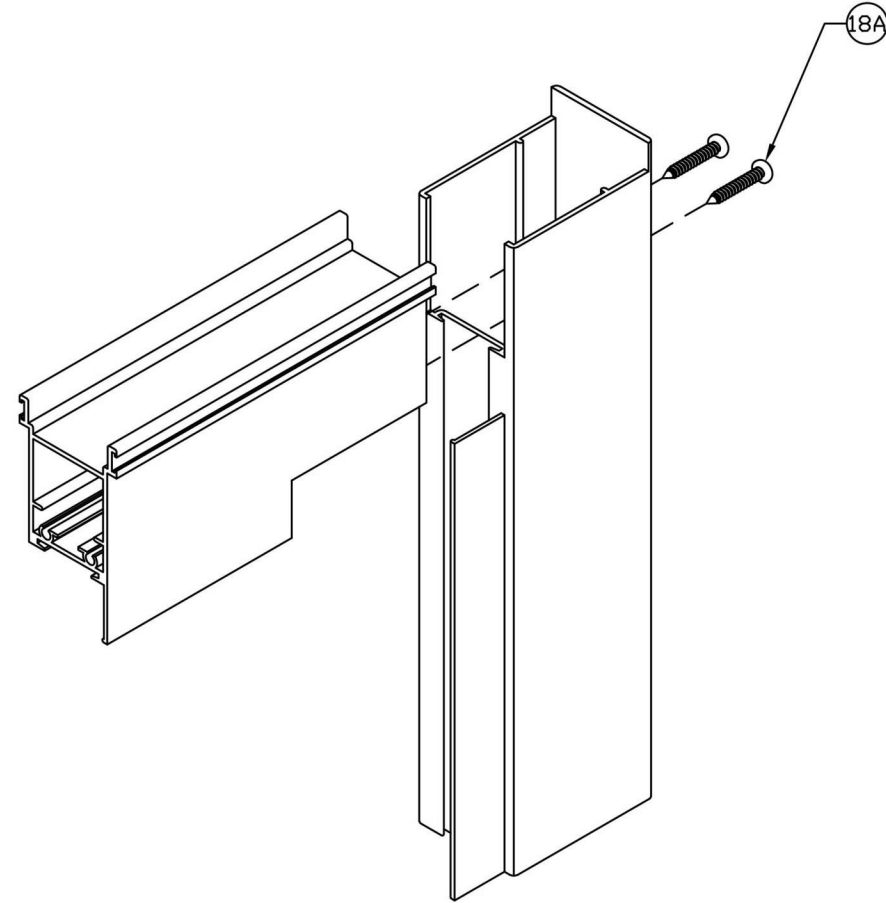


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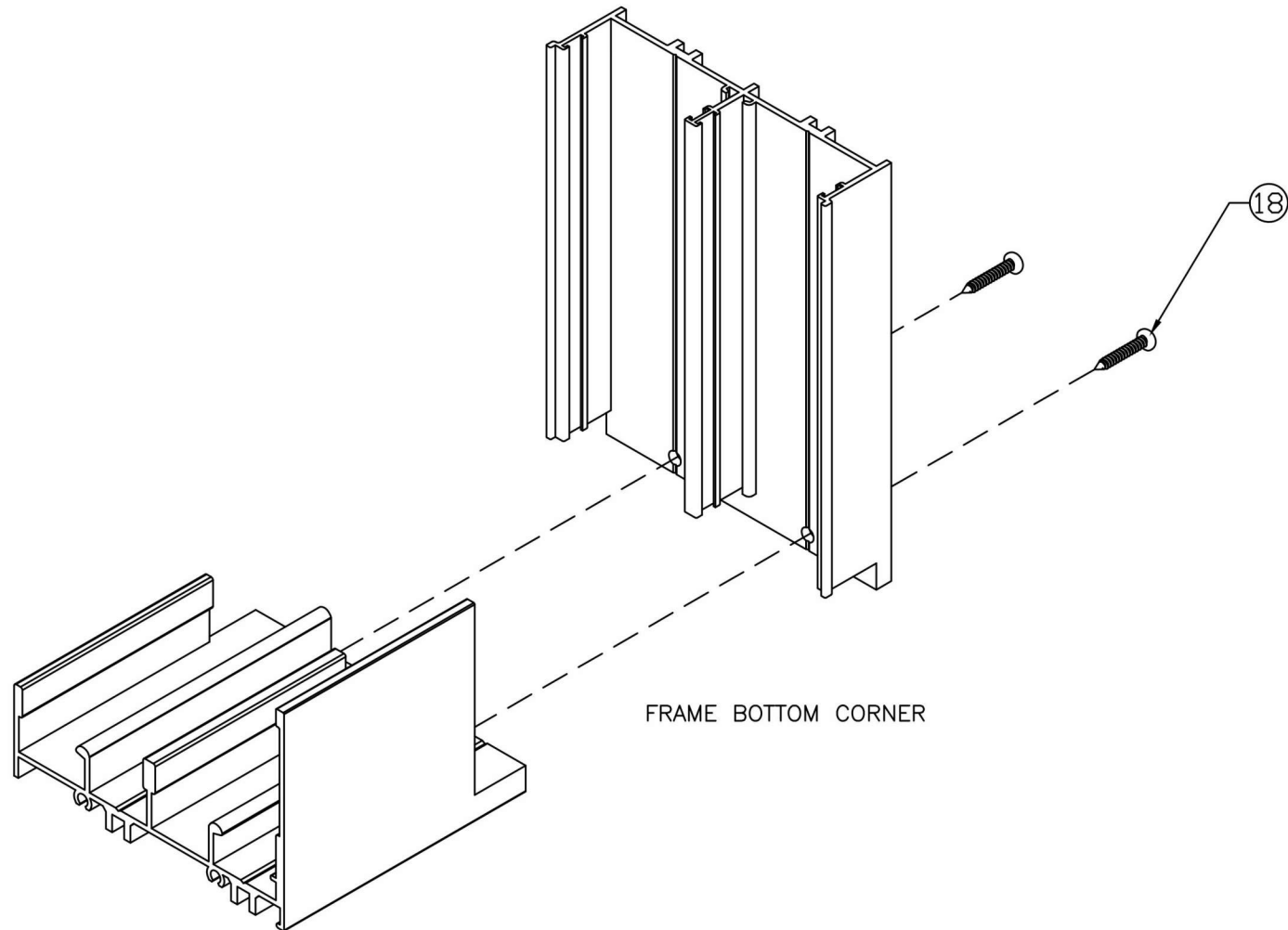
FL#25674.6



FRAME TOP CORNER



PANEL TOP/BOTTOM CORNER



FRAME BOTTOM CORNER

FL#25674.6



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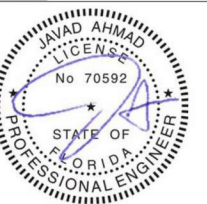
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date:	12/30/2024	check by:	BS
REVISION			
No.	DATE	BY	DESCRIPTION

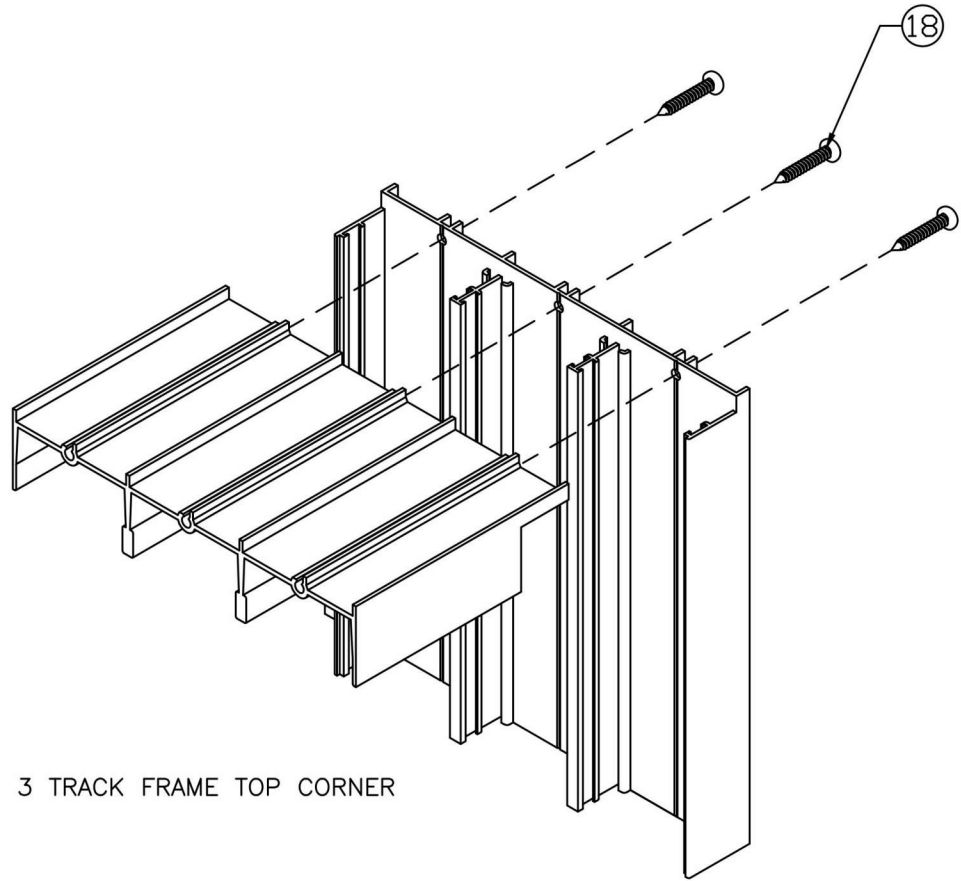
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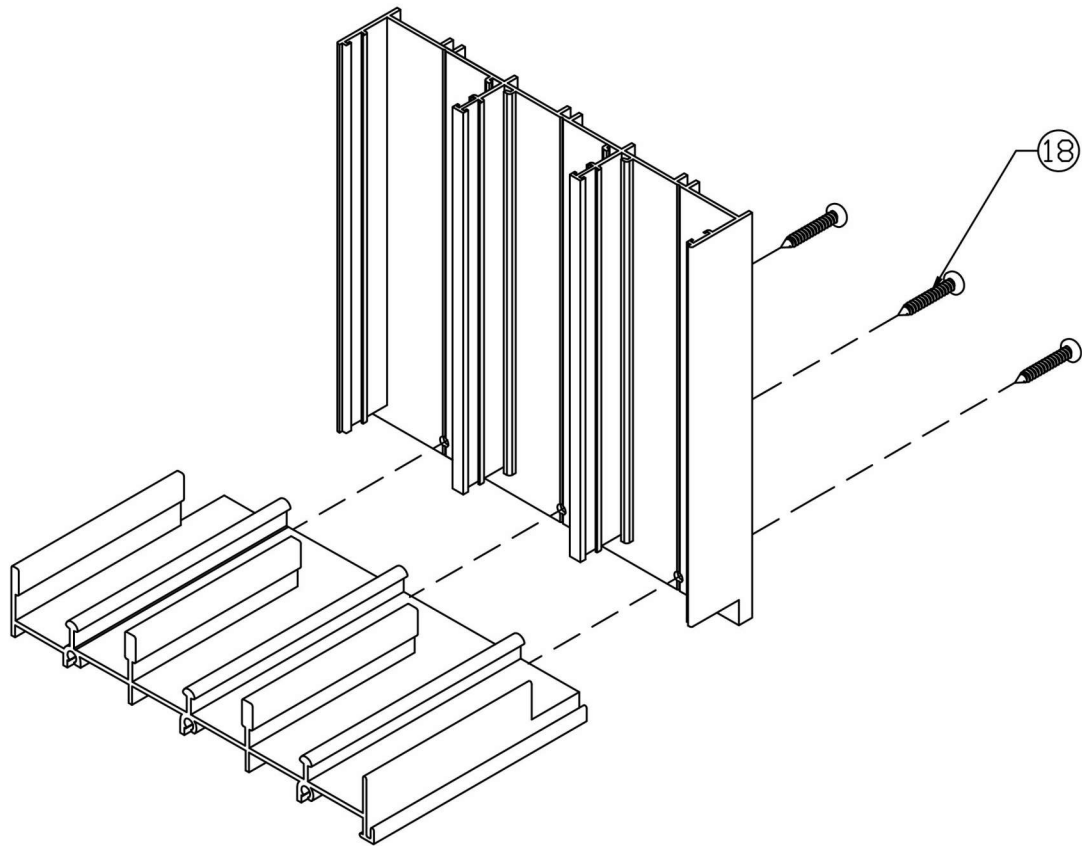
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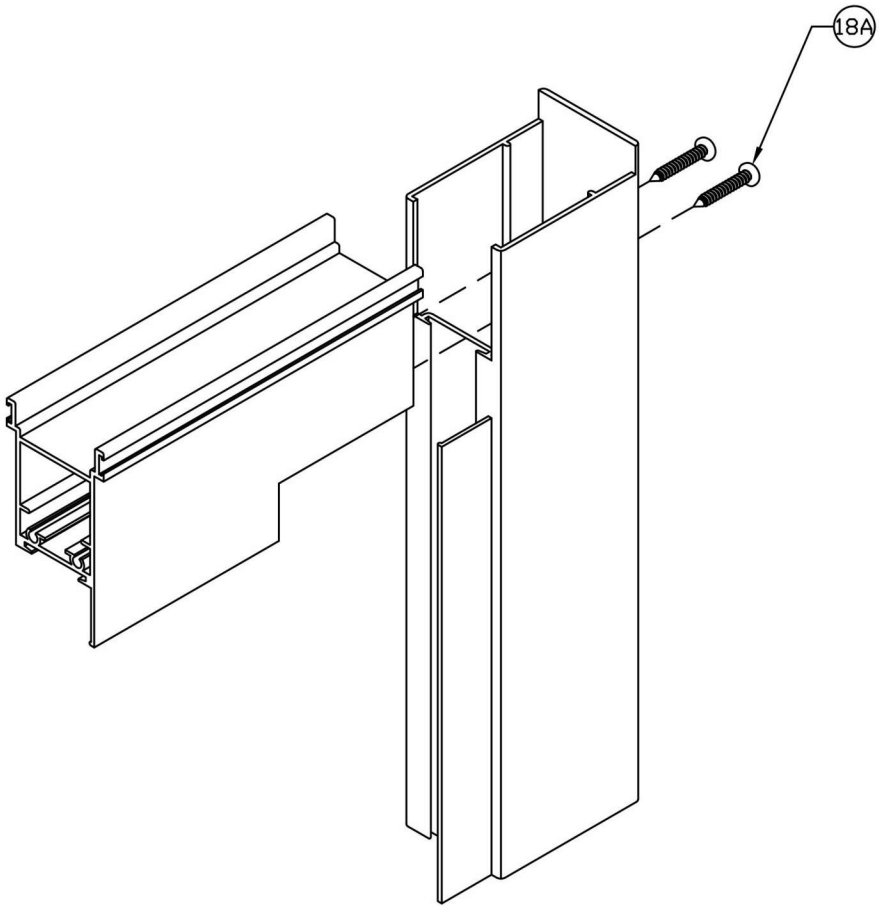
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3 TRACK FRAME TOP CORNER



3 TRACK FRAME BOTTOM CORNER



PANEL TOP/BOTTOM CORNER

FL#25674.6



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