

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES-750
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.

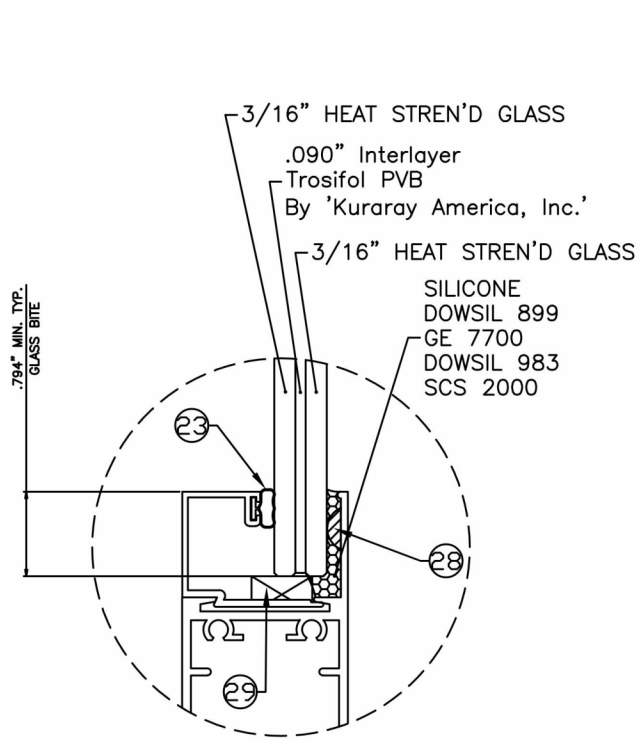
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

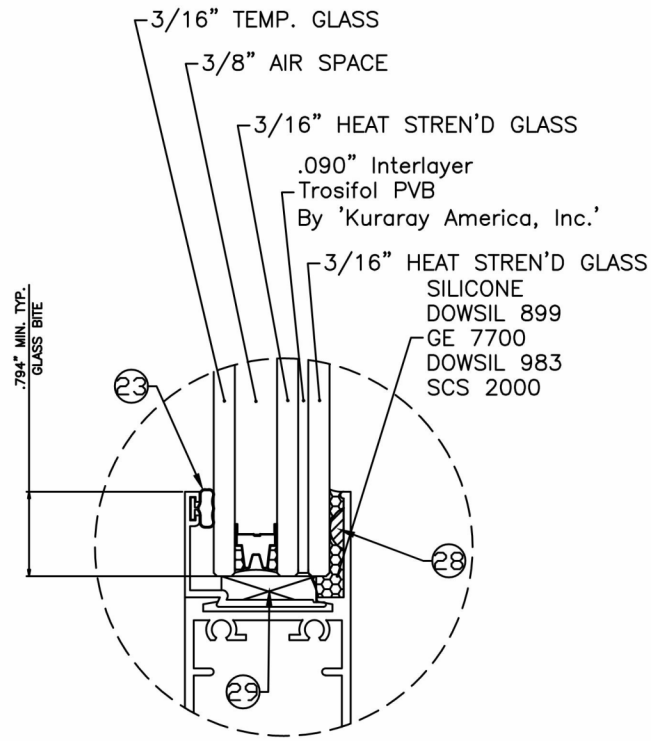
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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)'.

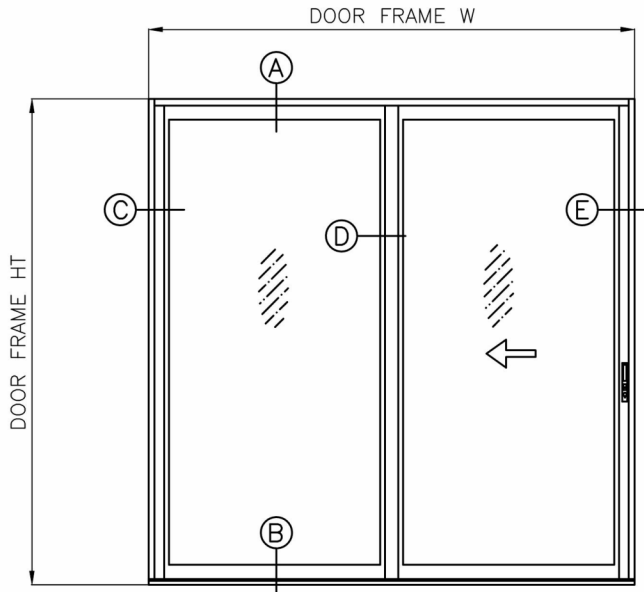


GLASS TYPE 'A'
7/16" NOM. LAMI. GLASS



GLASS TYPE 'A1'
1" NOM. INSUL. LAM. GLASS

GLAZING OPTIONS



OX (SHOWN)
XO

APPROVED CONFIGURATIONS

LAMINATED GLASS
INSUL. LAM. GLASS
SMALL MISSILE IMPACT

FL#25674.3



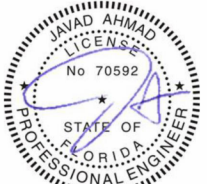
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Ph: (305) 424-8001
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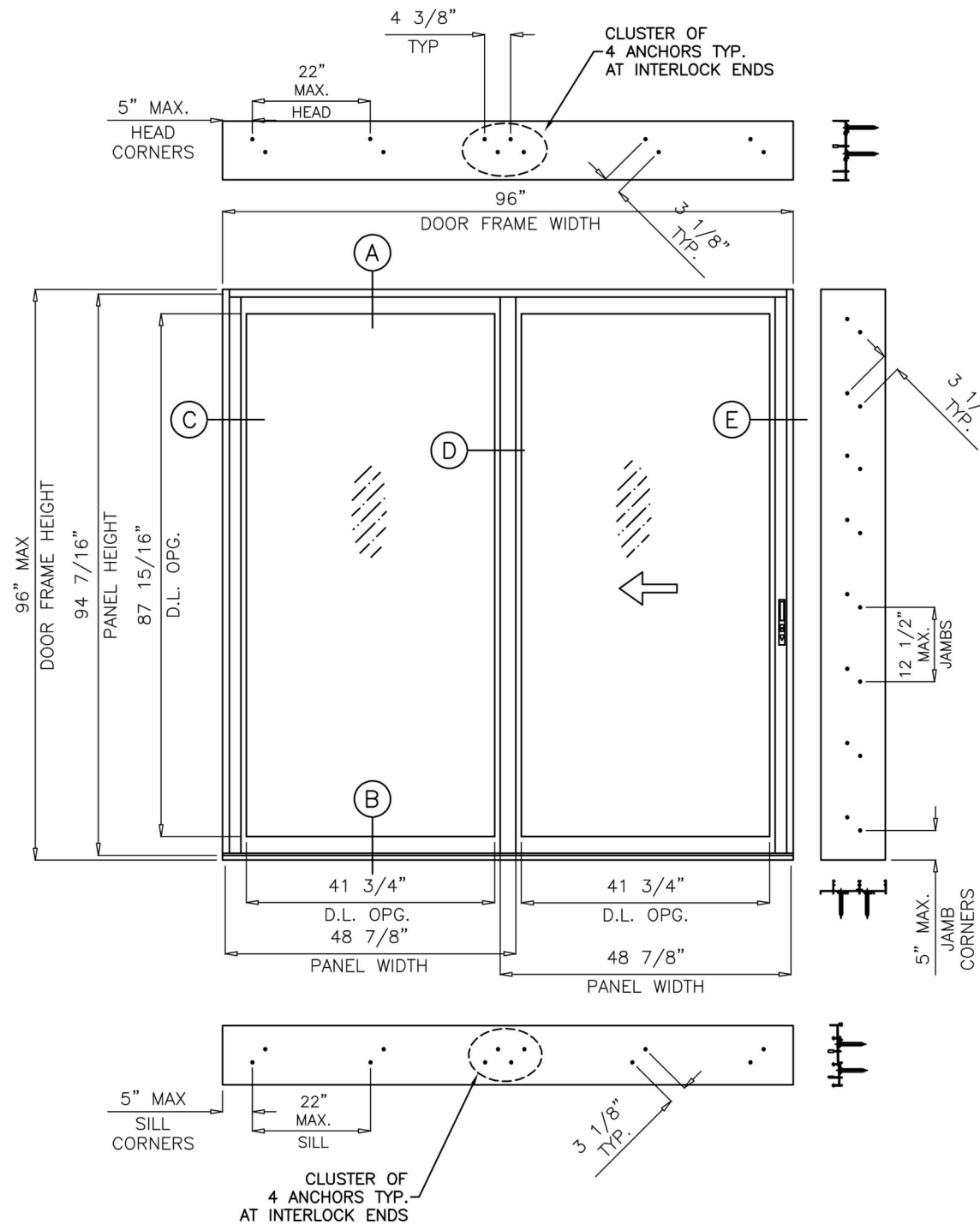
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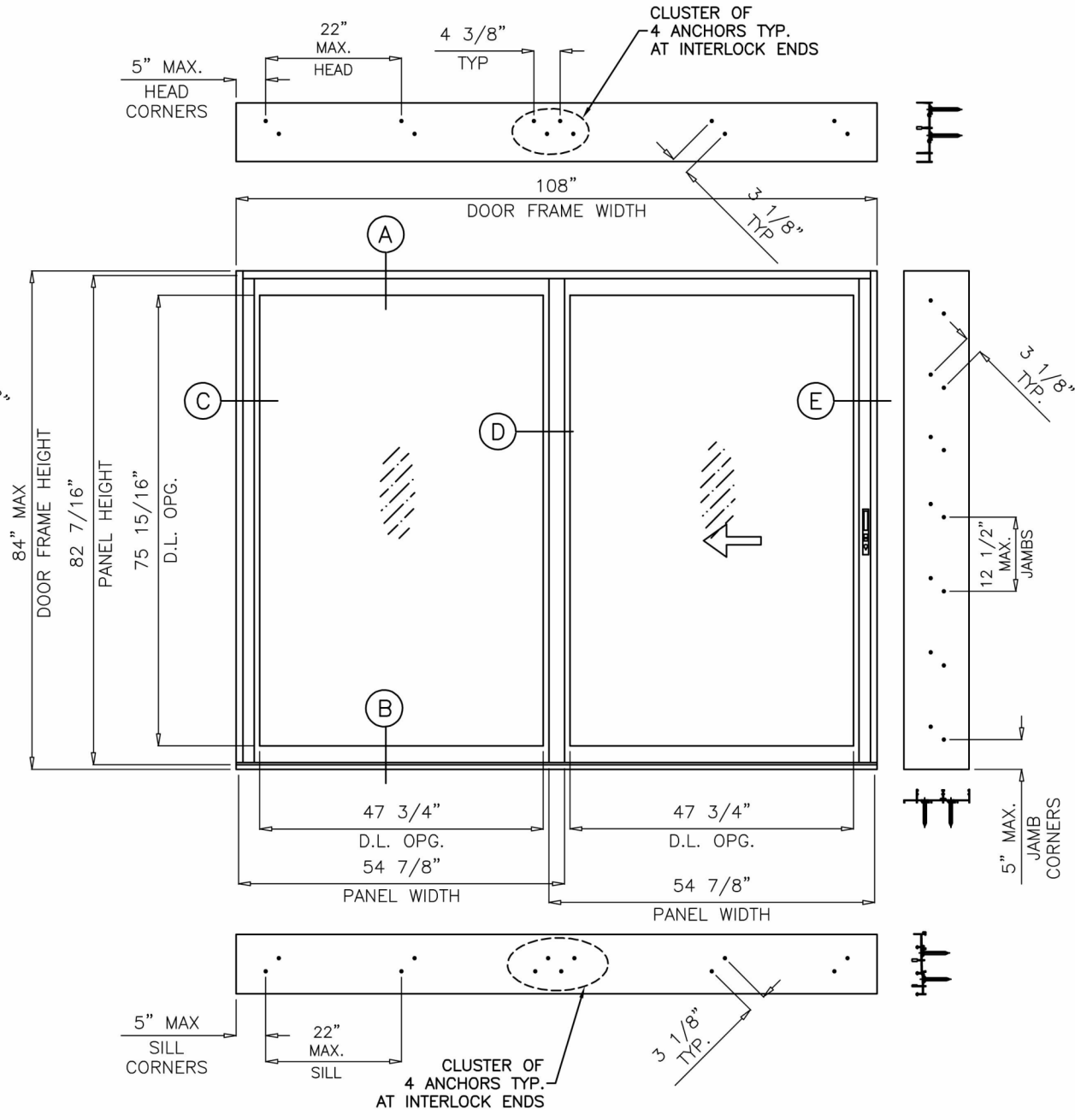
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ECO WINDOW SYSTEMS, LLC.
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TYPICAL ELEVATION
OX



TYPICAL ELEVATION
OX

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES ABOVE OR SMALLER) - 130.0 PSF

EXTERIOR (+) LOADS SHOWN ABOVE ARE FOR DOORS WITH 2-3/4" SILL HEIGHTS.
FOR 2" SILL HEIGHT LIMIT EXT. (+) LOADS TO 47.0 PSF
DOORS WITH 1" SILL HEIGHTS ARE NOT APPROVED FOR WATER INFILTRATION RESISTANCE SEE
SHEET 3 FOR DETAILS

ALTERNATE SIZE UNITS:
MAX. FRME AREA OF DOORS NOT TO EXCEED
THE TESTED FRAME AREA OF 64 SQ. FT.

DAYLITE OPENINGS WIDTHS:
PANEL WIDTH - 7.125"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 6.50"

PANEL HEIGHT = DOOR FRAME HEIGHT - 1.5625"

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



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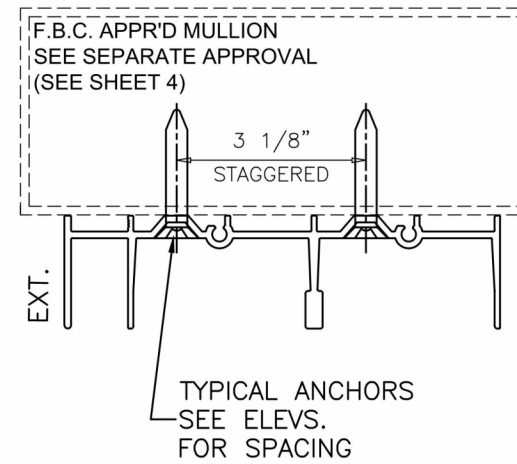
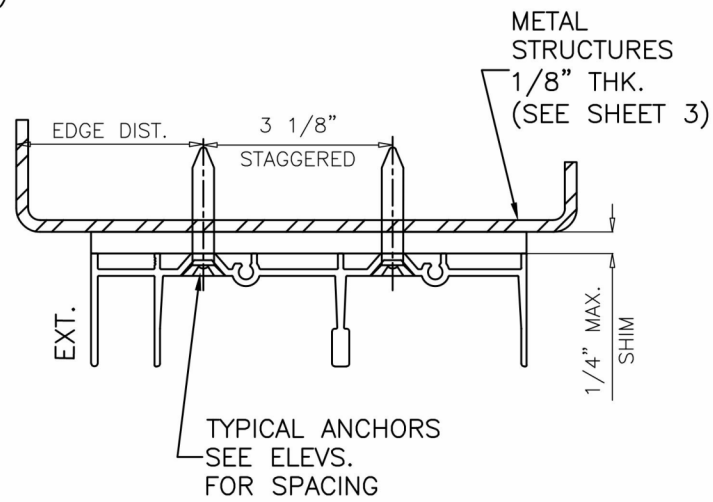
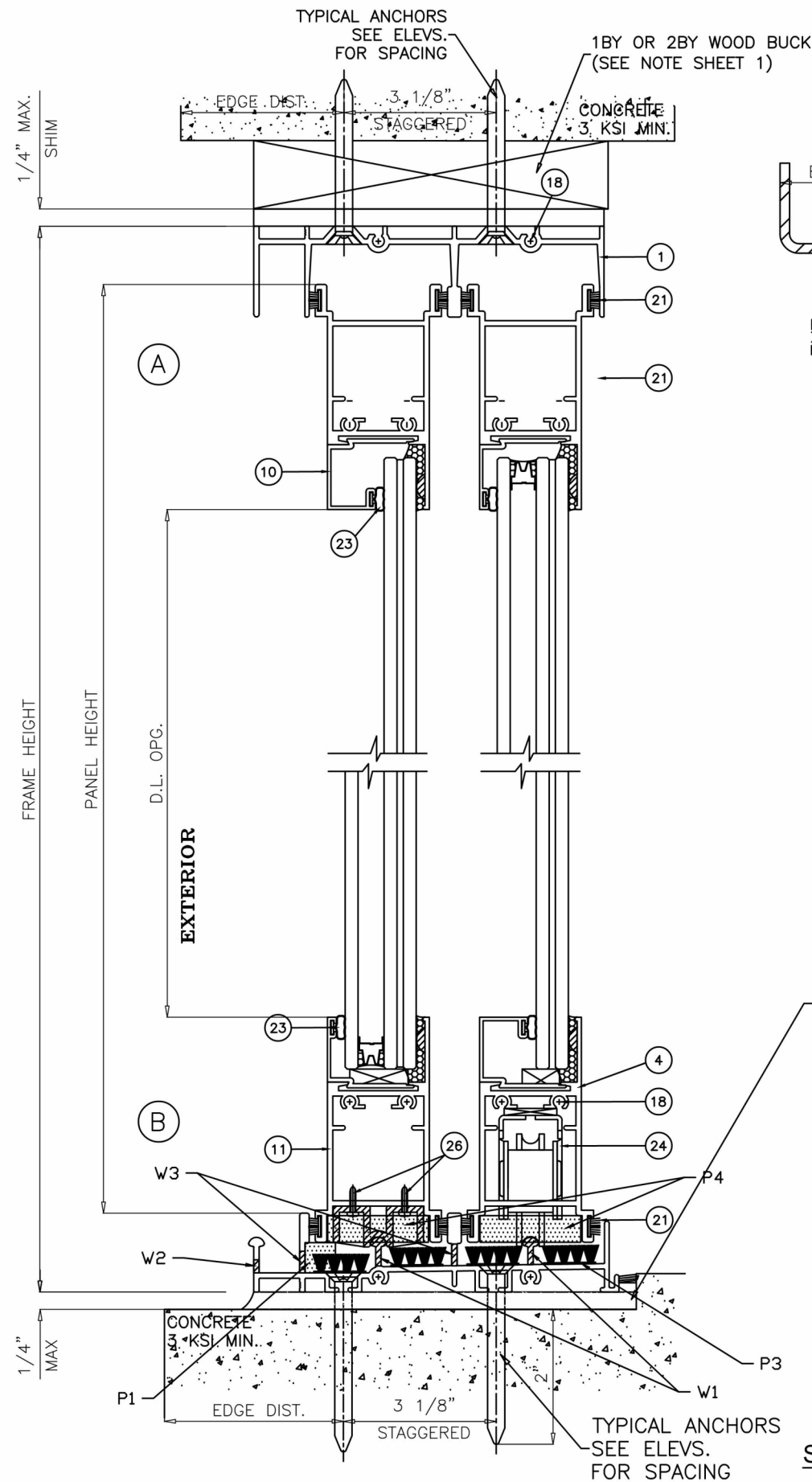
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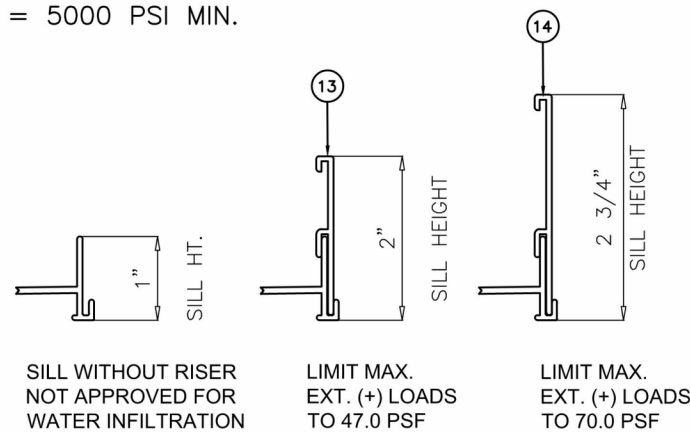
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LOAD BEARING SHIMS OR
POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f'c = 5000 PSI MIN.



SILL HEIGHT VS WATER RESISTANCE EXT. (+) LOAD

WEEP HOLES:

- W1 = 1-1/2" LONG NOTCH AT EACH END.
W2 = 3/16" X 7/8" LONG WEEP NOTCH AT 5" FROM ENDS AND 21-1/2" O.C.
W3 = 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
2" LONG X 1-7/16" WIDE X 7/16" HIGH



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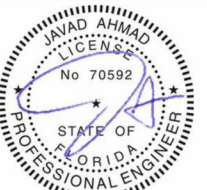
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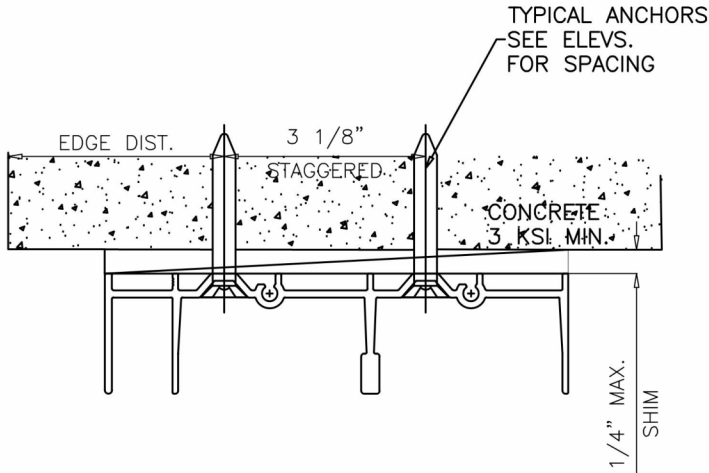
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WINDOWS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
A	1/4" DeWalt UltraCon+	Head	Thru 1BY or 2BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
		Jambs	Southern Pine (SG = 0.55)	1"	1-1/2"
		Jambs	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
		Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
B	1/4" DeWalt UltraCon+	Head	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
		Jambs	Concrete (min. 3 ksi)	2-1/2"	1-1/4"
		Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	5/16" DeWalt UltraCon	Sill	Concrete (min. 3 ksi)	2-1/2"	2"
C	1/4" Self Drilling Screws (Gr, 5)	All	F.B.C. Approved Mullions	3/4"	(3) Threads min. beyond metal thickness
		All	Aluminum 1/8" Thk. Min. (6063-T5)	3/4"	(3) Threads min. beyond metal thickness
		All	Steel 1/8" Thk. Min. (min. 36 ksi)	3/4"	(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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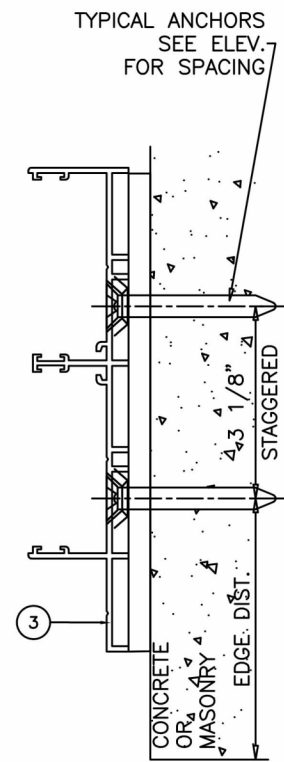
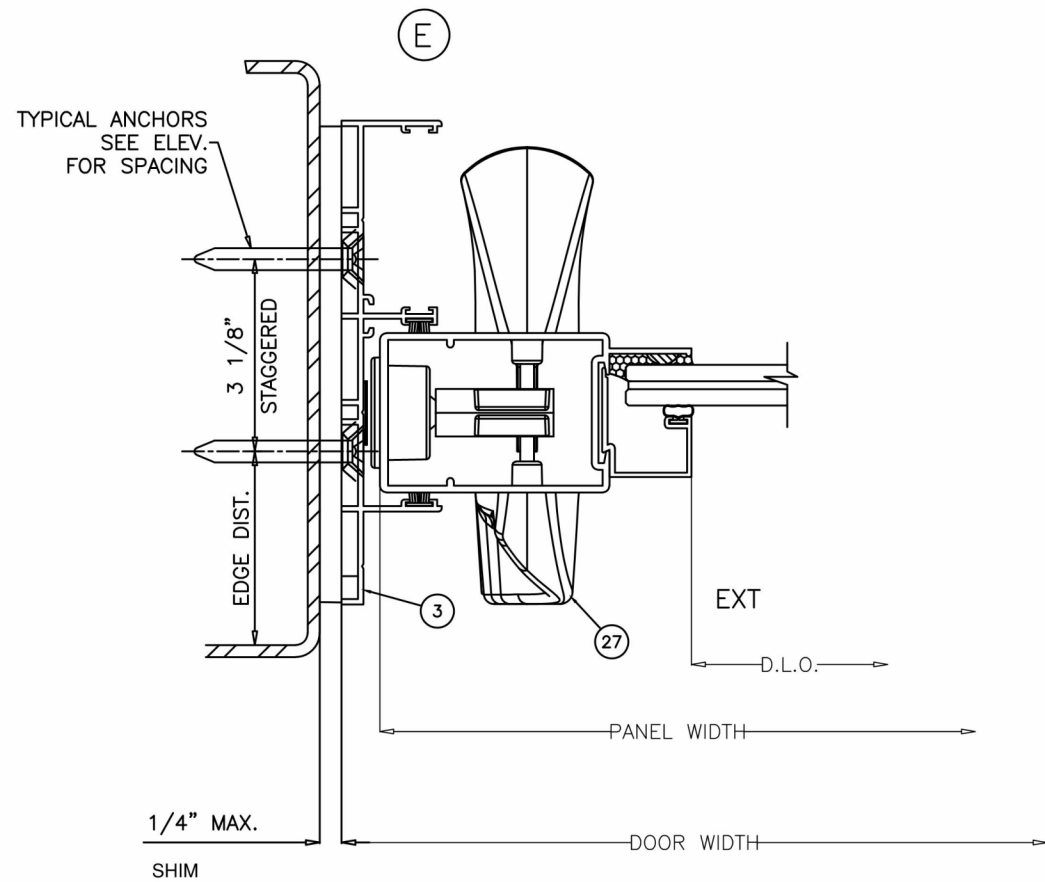
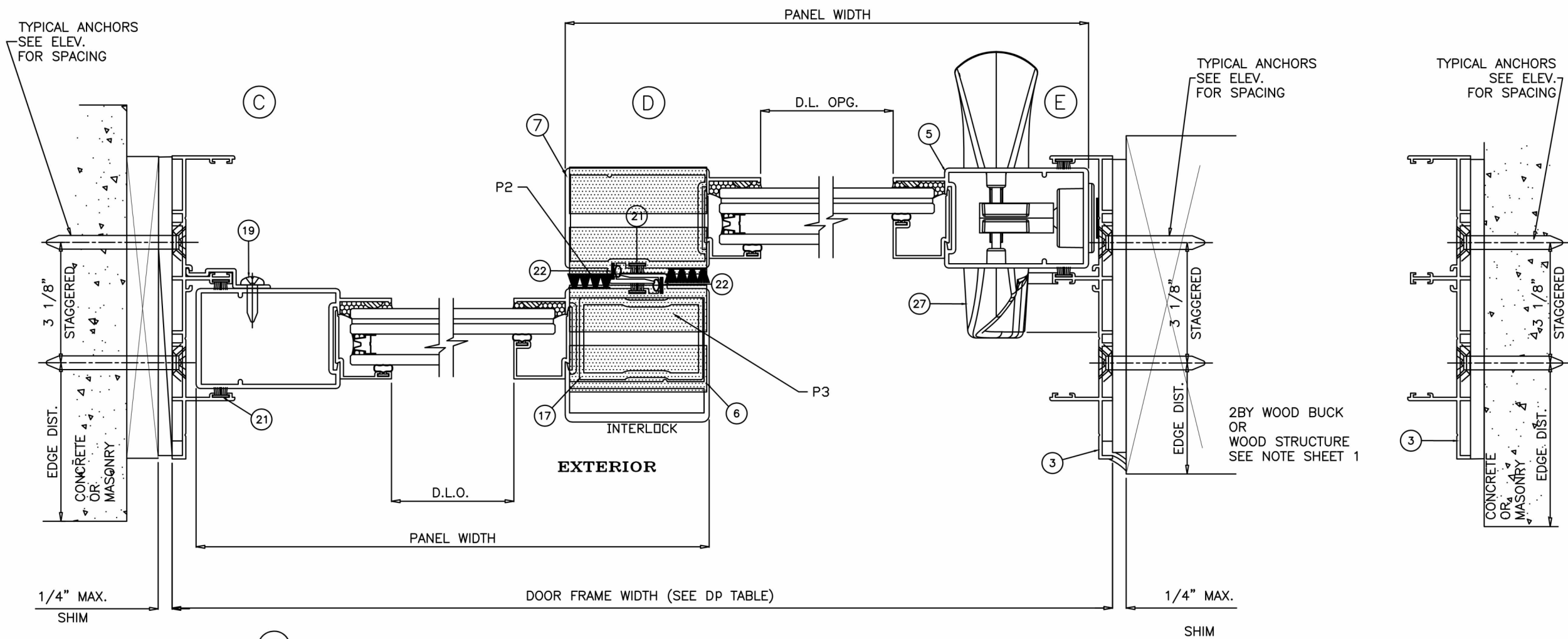
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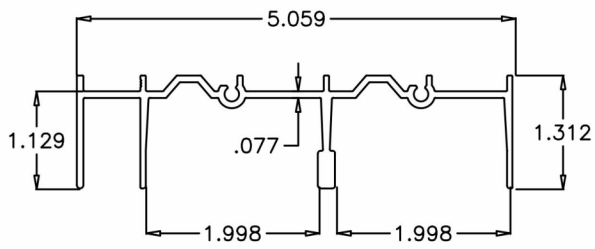
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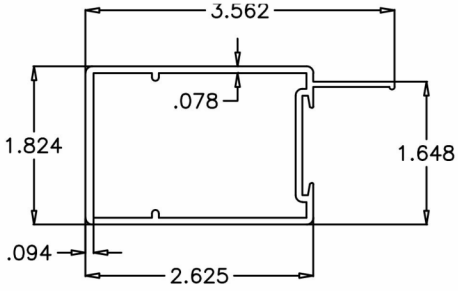
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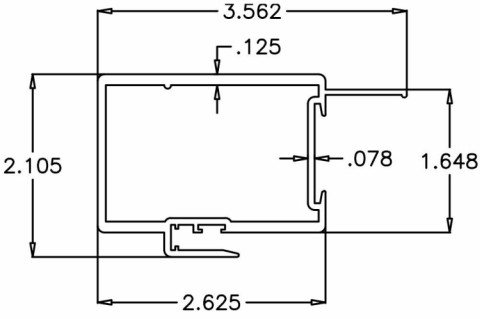
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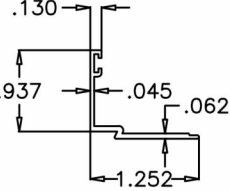
① FRAME HEAD



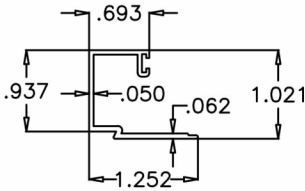
⑤ PANEL LOCK STILE



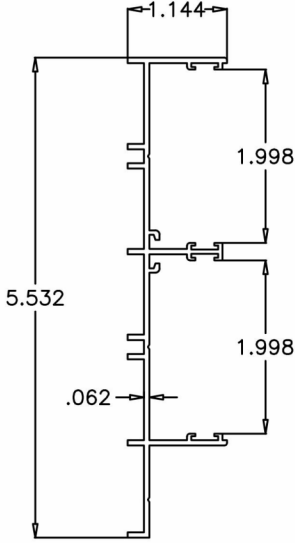
⑦ PANEL INNER INTERLOCK



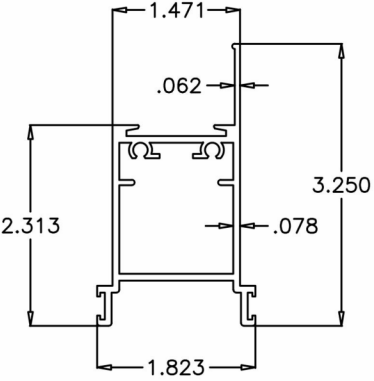
⑩ GLAZING BEAD
1" INSUL. LAM. GLASS



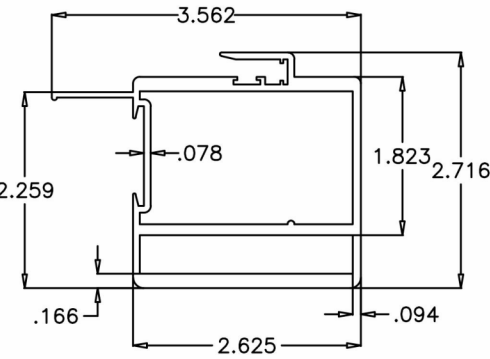
⑪ GLAZING BEAD
7/16" LAM. GLASS



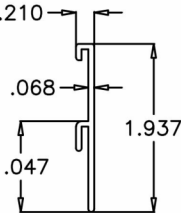
③ FRAME JAMB



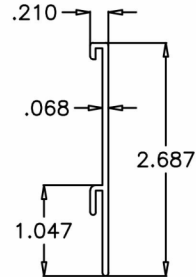
④ PANEL TOP & BOTTOM RAIL



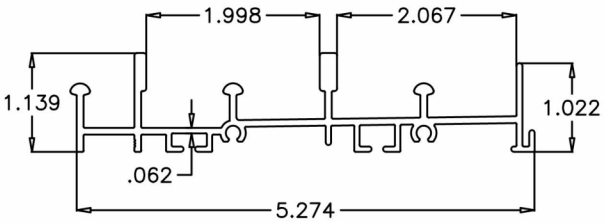
⑥ PANEL OUTER INTERLOCK



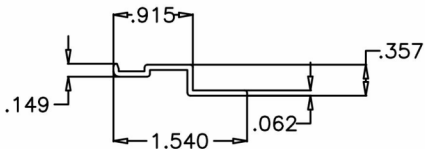
⑬ 2" SILL RISER



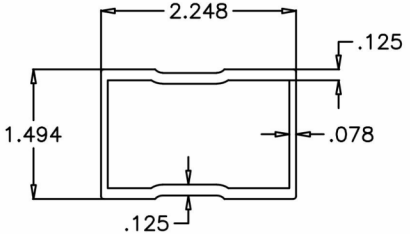
⑭ 2-3/4" SILL RISER



② FRAME SILL



⑮ FIX. PANEL CLIP



⑰ INTERLOCK STIFFENER



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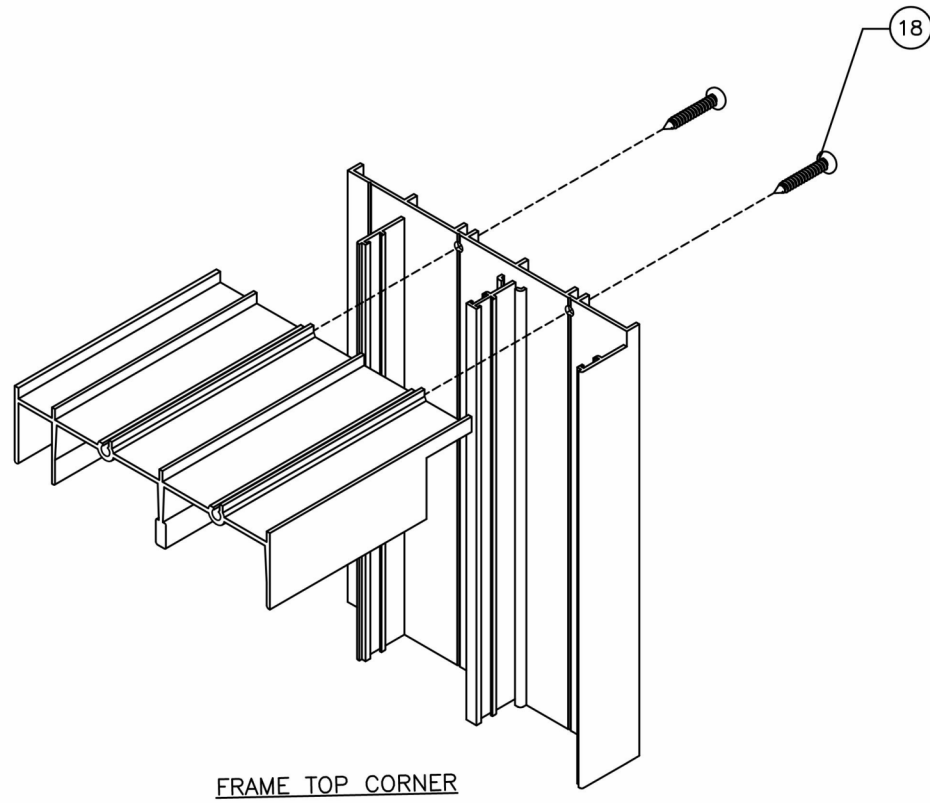
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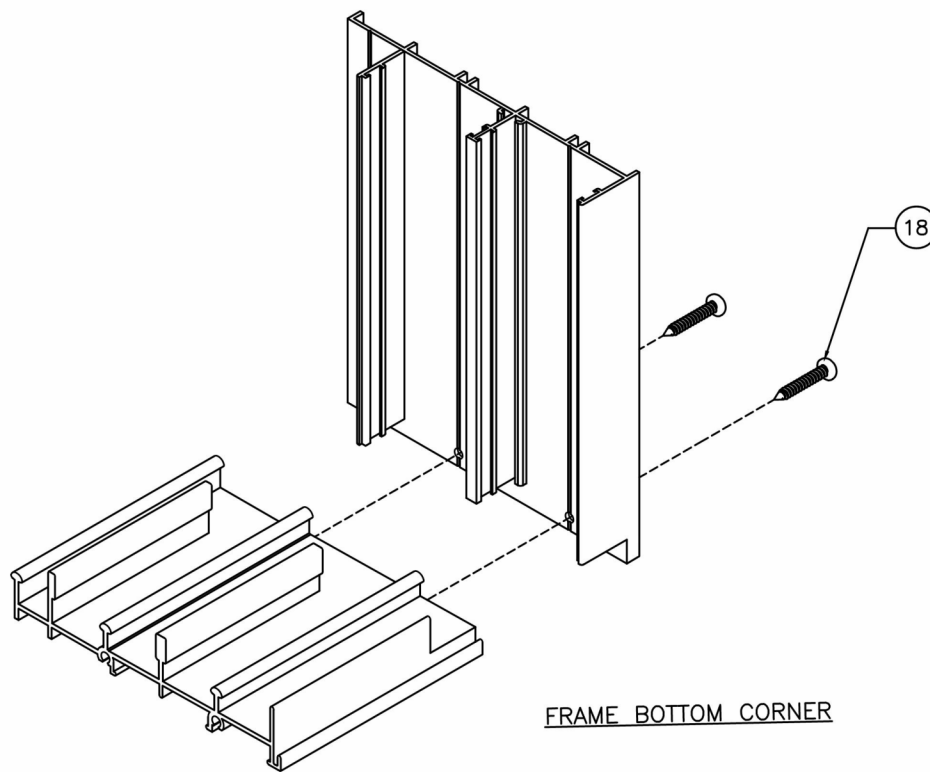


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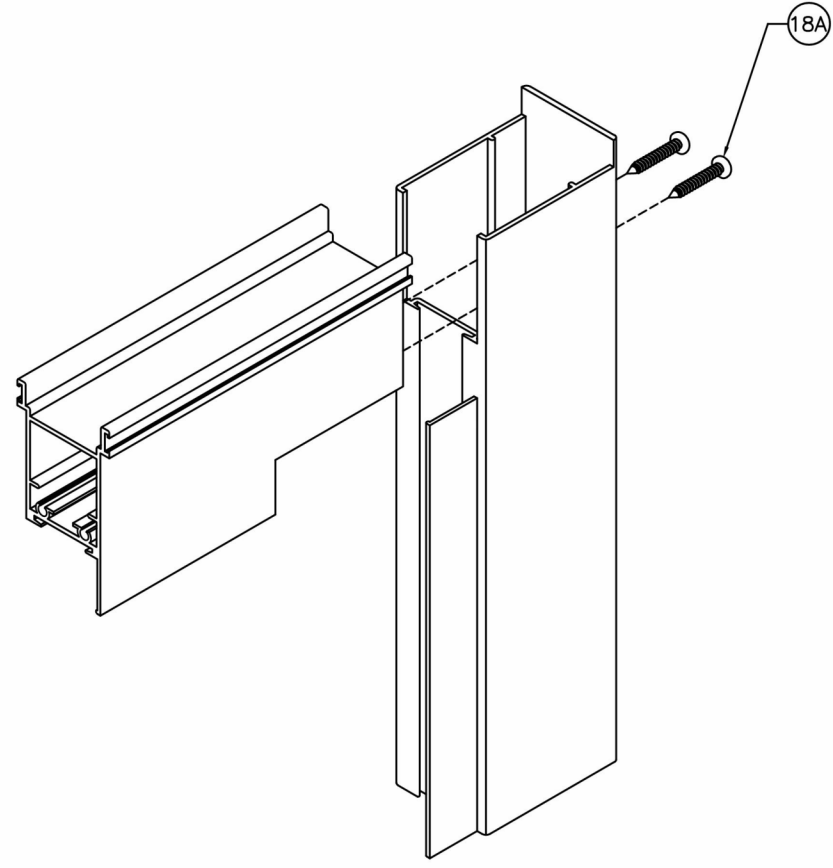
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FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL TOP/BOTTOM CORNER



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