

SERIES-610FS
ALUMINUM FIXED WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER WINDOW (UNDER SEPARATE APPROVAL) TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

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.

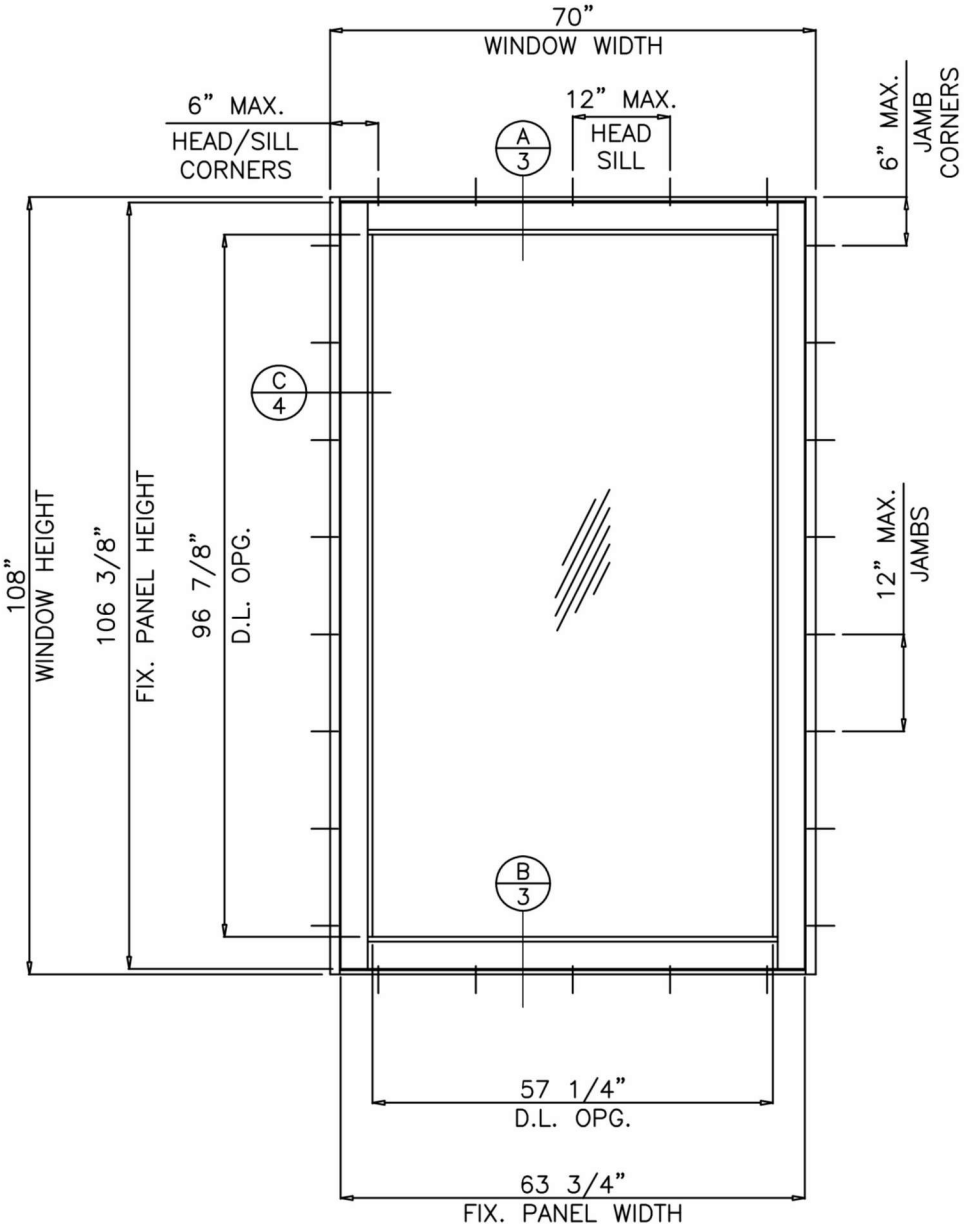
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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)'.

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

ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.



TYPICAL ELEVATION
TESTED UNIT

DAYLITE OPENING
D.L.O. WIDTH = FRAME WIDTH - 12.750"
D.L.O. HEIGHT = WINDOW HEIGHT - 11.125"



JAVAD AHMAD PE, inc

7875 NW 12th St., Suite 102 Doral,
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support@ja-pe.com

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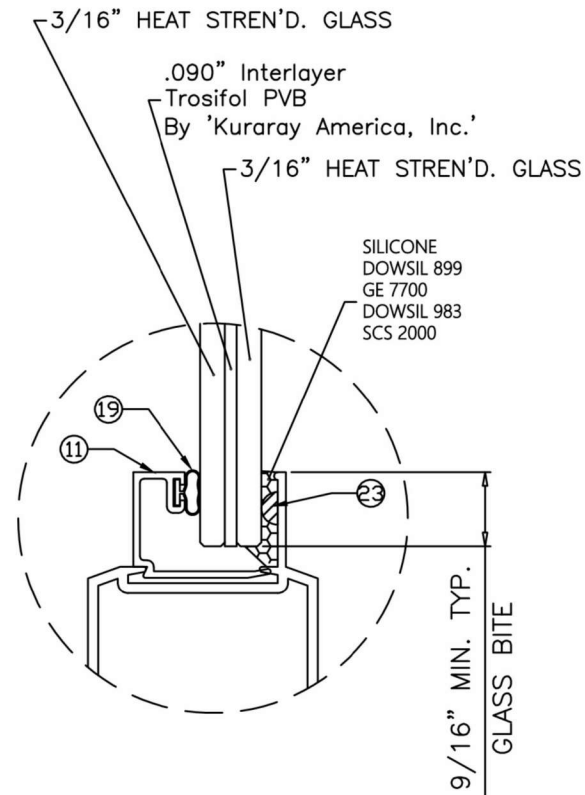
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(L.M.I.)
LARGE MISSILE IMPACT RATED



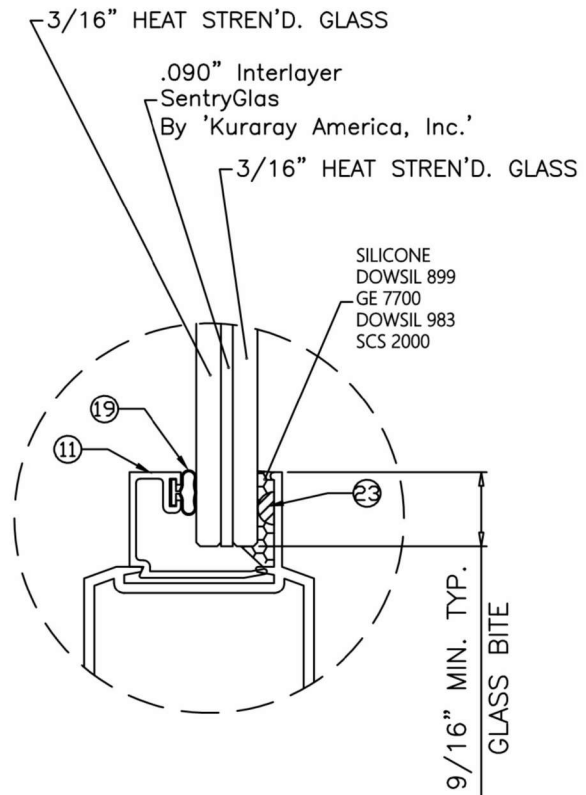
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
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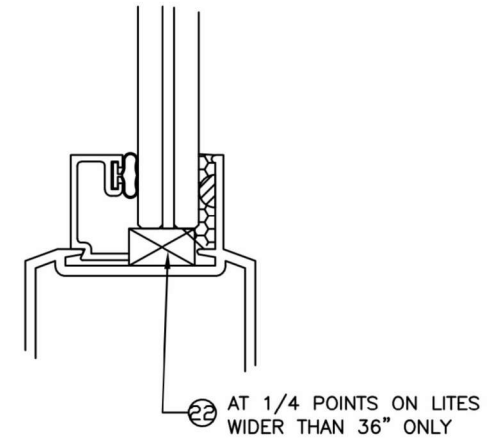
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GLASS TYPE 'A'
7/16" NOM. LAM. GLASS

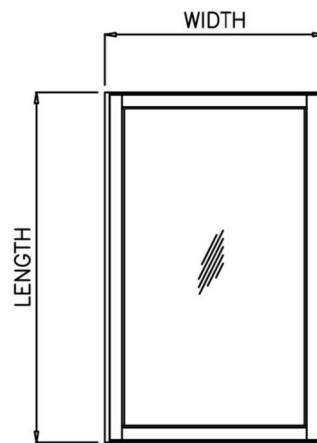


GLASS TYPE 'B'
7/16" NOM. LAM. GLASS



SETTING BLOCKS AT LAM. GLASS NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

GLAZING OPTIONS



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

Design Load Capacity - PSF									
Glass Types 'A' & 'B'		Window Length (L)							
		90"		96"		102"		108"	
Window Width (W)	36"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	42"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	48"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	54"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	60"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	66"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0		
	70"	+60.0	-60.0	+60.0	-60.0				
	72"	+58.3	-58.3	+58.3	-58.3				
	78"	+53.8	-53.8						

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



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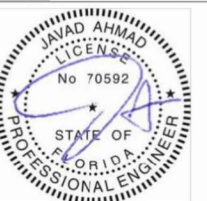
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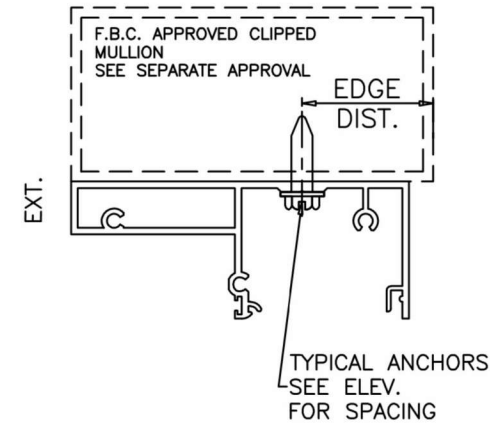
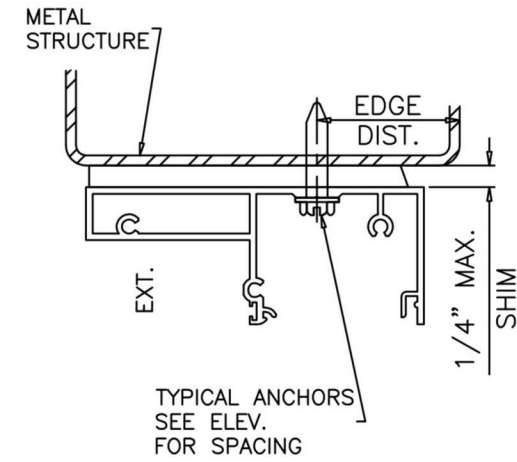
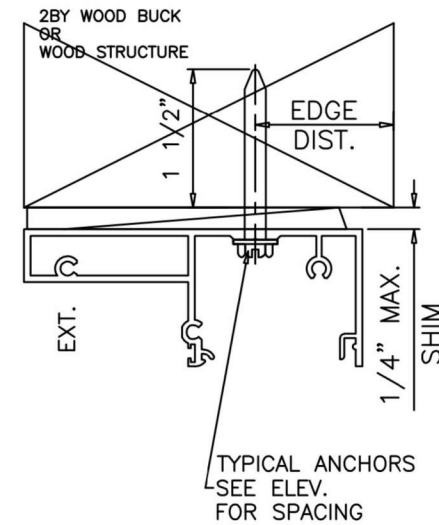
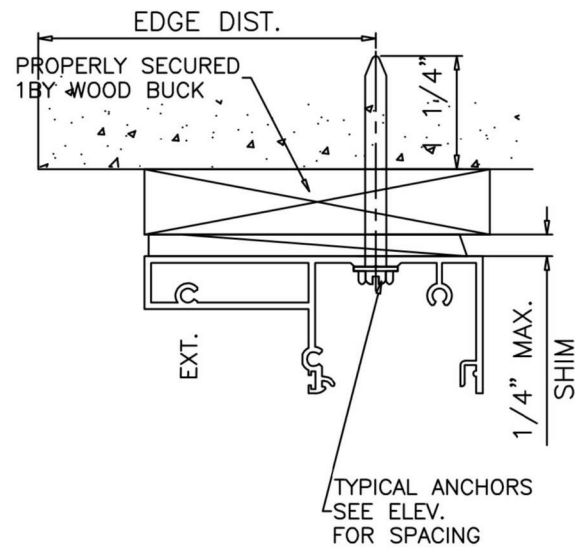
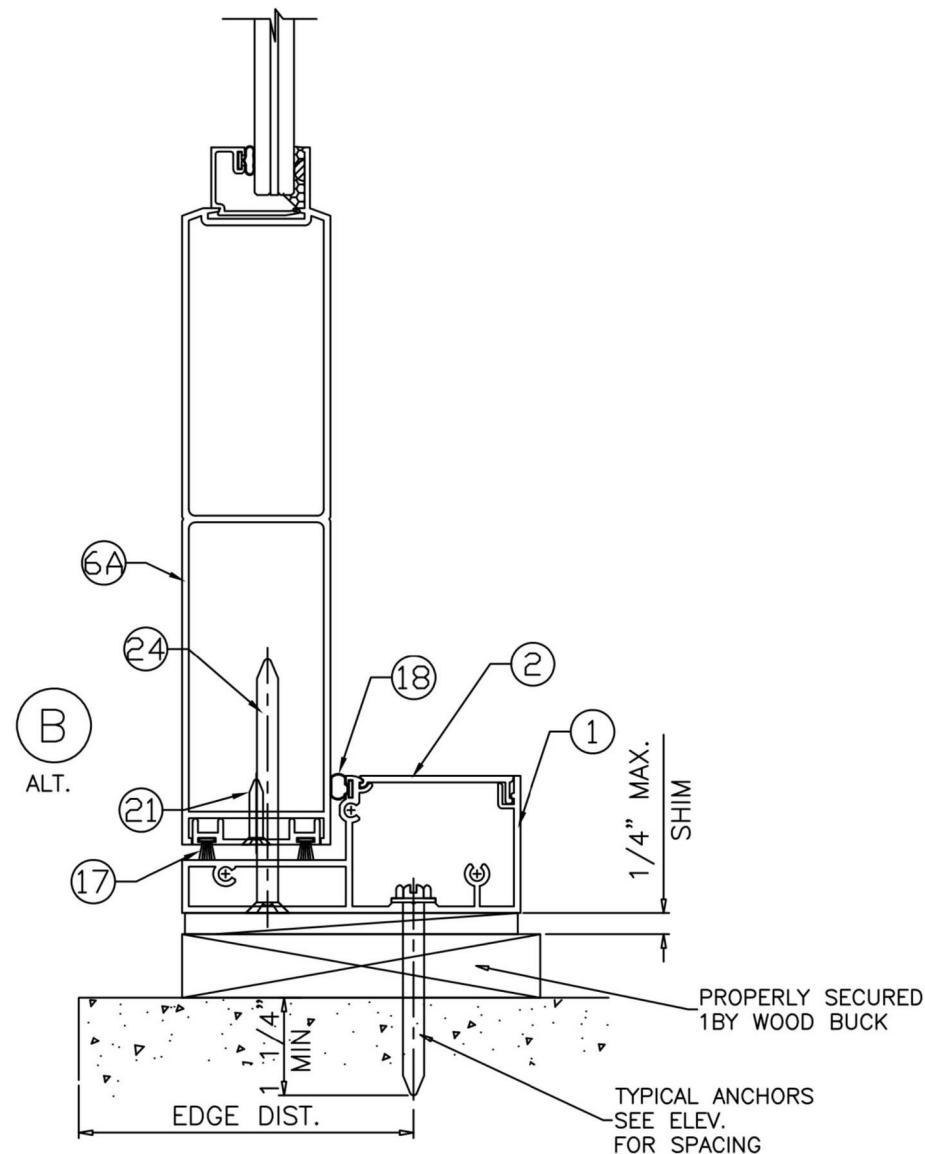
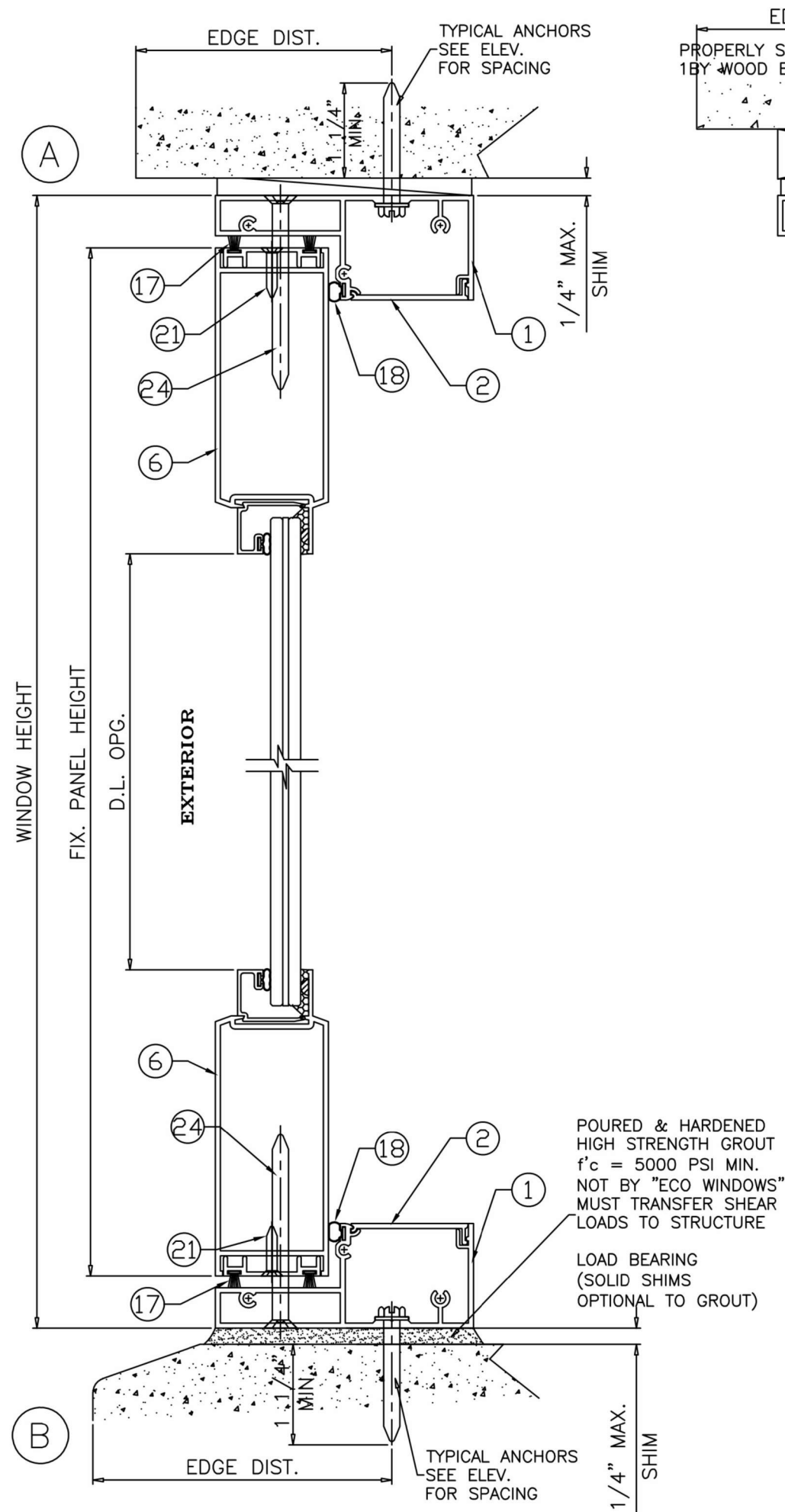


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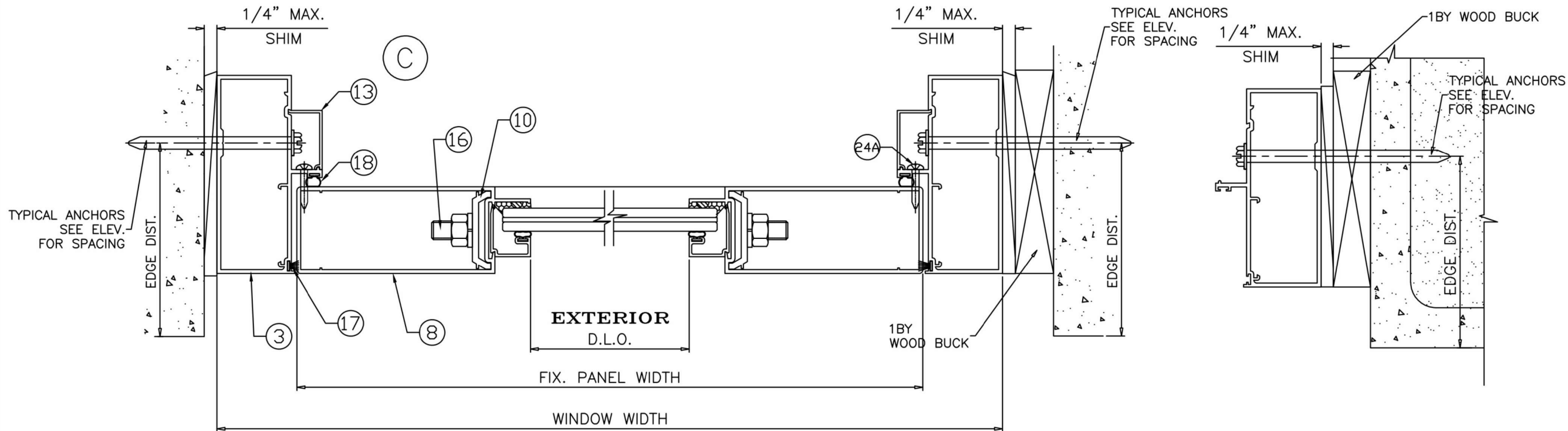
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ECO window systems

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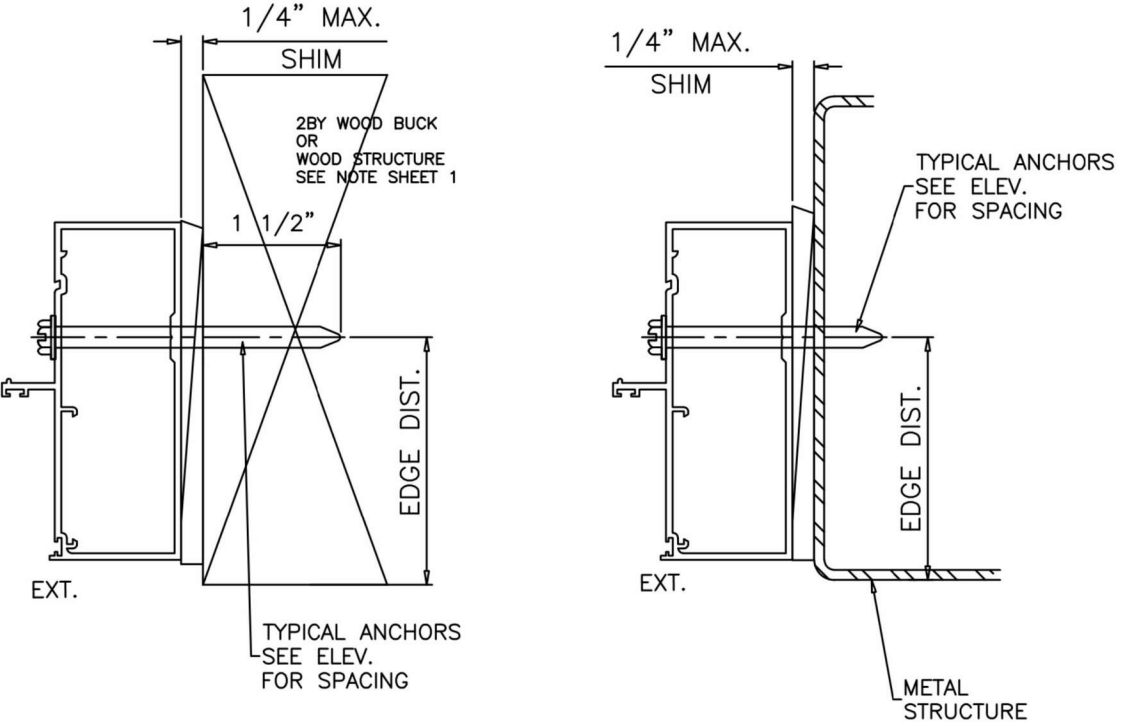


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon +	All	Southern Pine (SG = 0.55)	1"	1-1/2"
	All	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"
	All	Concrete (min. 3ksi)	2-1/2"	1-1/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
1/4" TEKS or 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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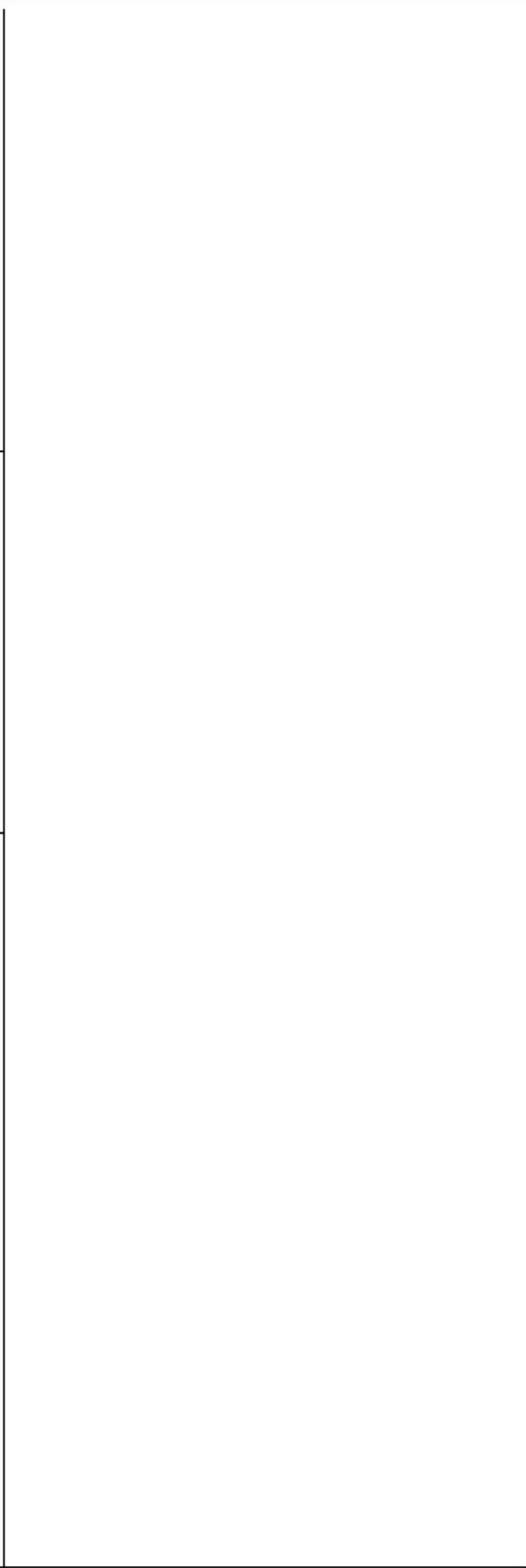
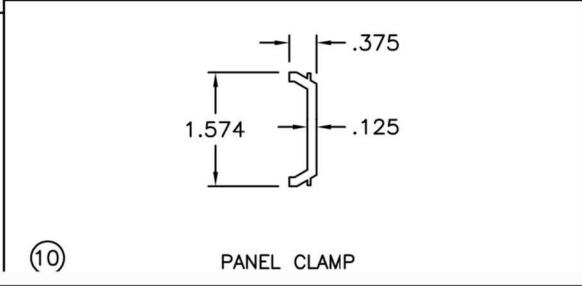
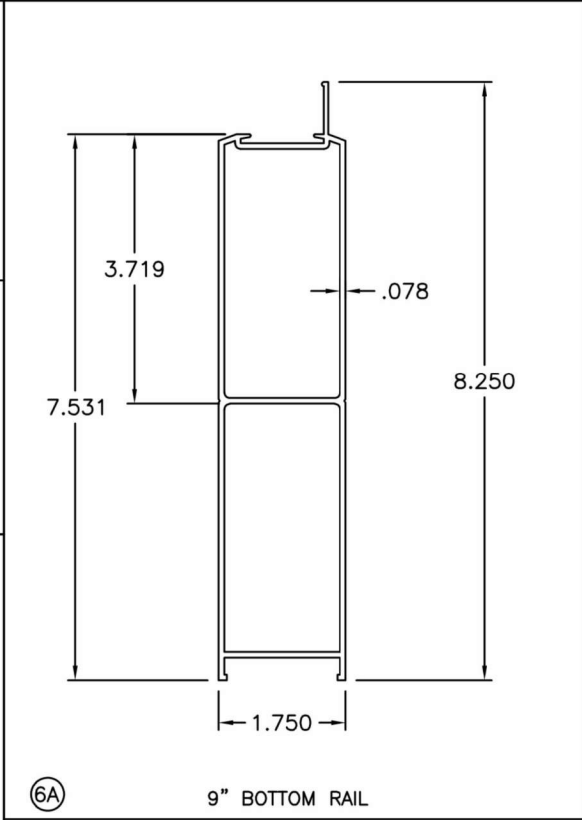
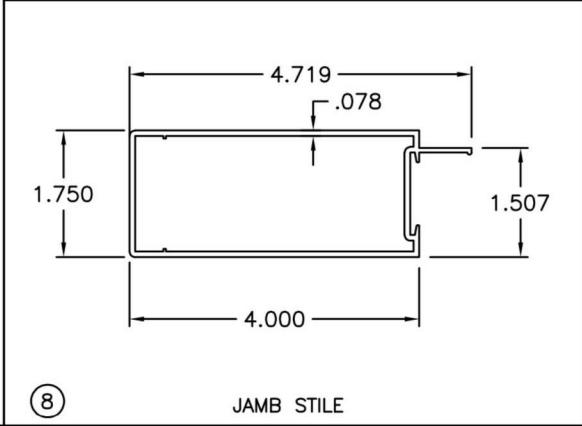
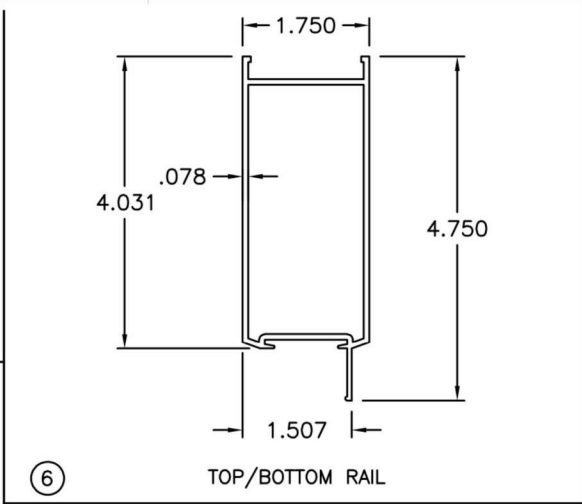
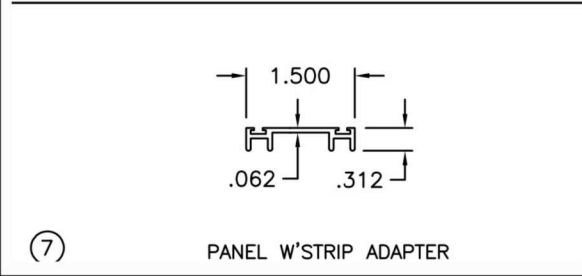
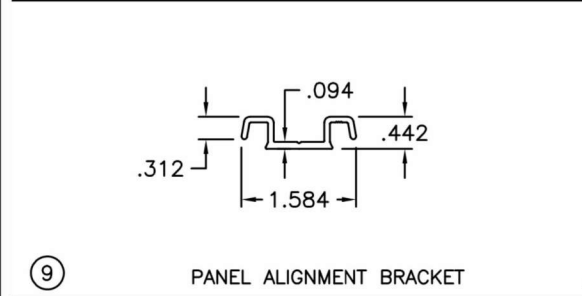
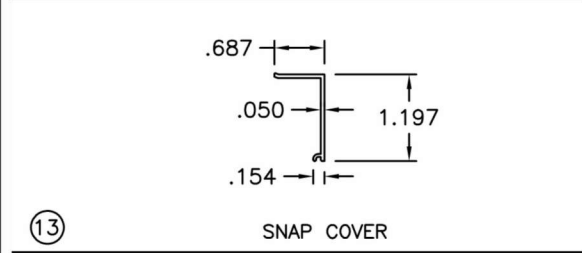
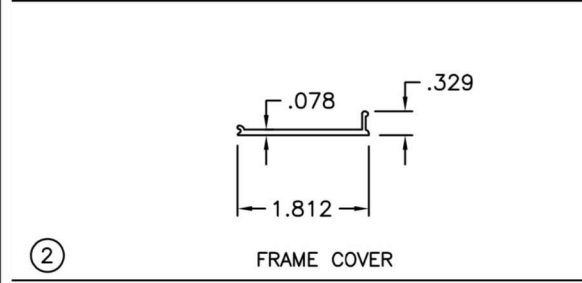
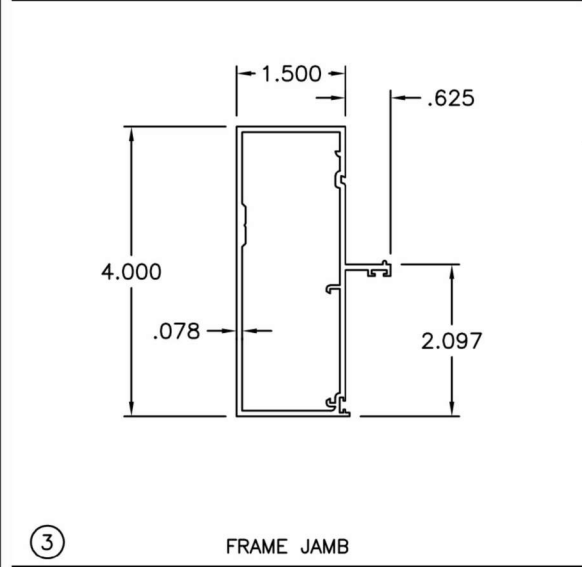
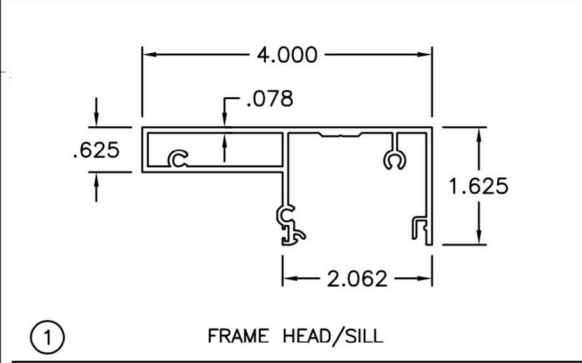
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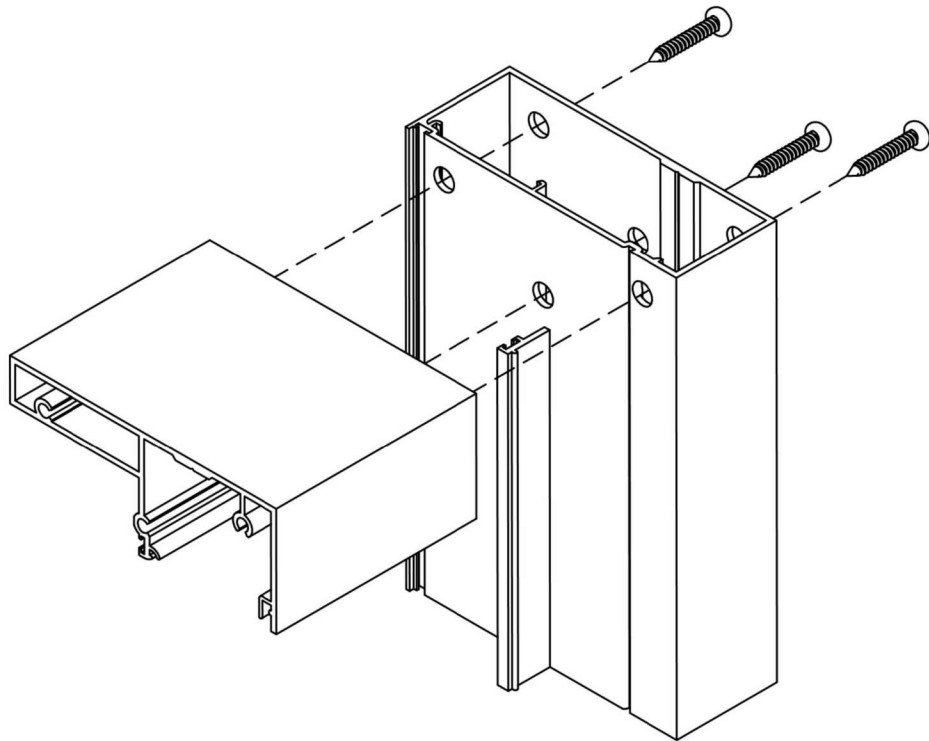
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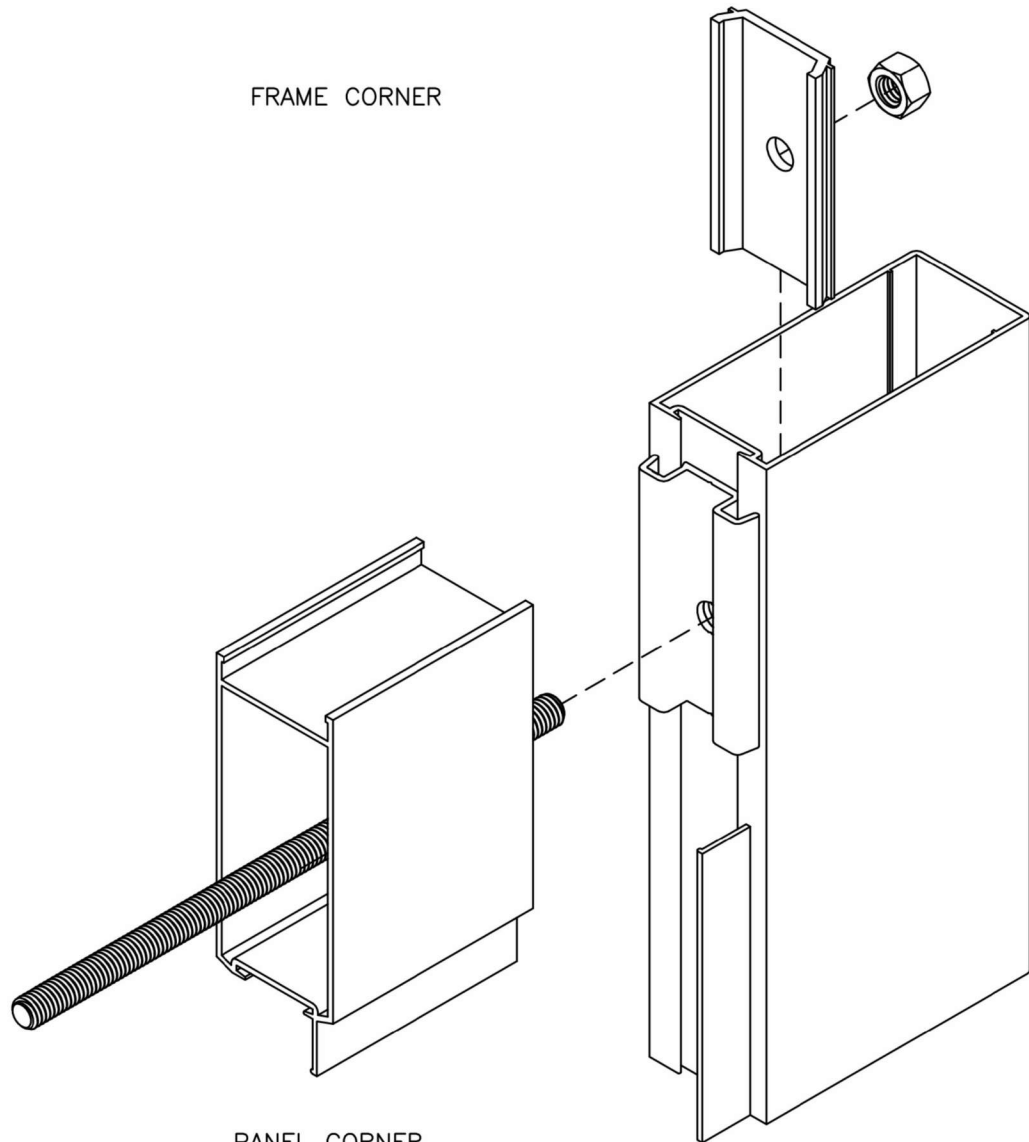
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FRAME CORNER



PANEL CORNER

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E601	-	FRAME HEAD/SILL	6063 - T6	-
2	E602	-	FRAME COVER	6063 - T6	-
3	E603	-	FRAME JAMB	6063 - T6	-
6	E607	-	TOP & BOTTOM RAIL	6063 - T6	-
6A	E625	-	9" BOTTOM RAIL	6063 - T6	-
7	E608	-	PANEL W'STRIP ADAPTER	6063 - T6	-
8	E609	-	JAMB STILE	6063 - T6	-
9	E612	-	PANEL ALIGNMENT BRACKET	6063 - T6	-
10	E613	1/ CORNER	PANEL CLAMP	6063 - T6	4-1/4" LONG
11	FY109	-	GLAZING BEAD	6063 - T6	-
13	E616	-	SNAP COVER	6063 - T6	-
15	#10 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	HH SMS
16	-	-	3/8" DIA. THREADED ROD	STEEL	-
17	W11323	-	PILE W'STRIPPING	WOOL	ULTRAFAB
18	E20618-KN-3020	-	BULB W'STRIPPING	EPDM	-
19	E206	-	GLAZING BEAD BULB	EPDM	ULTRAFAB
20	-	-	XL EDGE SPACER (INSUL. LAM. GLASS)	ST. STEEL	CARDINAL
21	#10 X 3/4"	AS REQD.	ADAPTER FASTENERS, AT 5" FROM ENDS & 27" O.C.	-	FH SELF DRILLING SCREWS
22	-	2/ LITE	SETTING BLOCK, 1/4" X 1/2" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
22A	-	2/ LITE	SETTING BLOCK, 1/4" X 3/4" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
23	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
24	#14 X 3"	AS REQD.	FIX. PANEL FASTENERS, AT 6" FROM ENDS & 14" O.C.	ST. STEEL	FH SELF DRILLING SCREWS
24A	#10 X 1"	AS REQD.	FIX. PANEL FASTENERS, AT 10" FROM ENDS & 12" O.C.	ST. STEEL	FH SELF DRILLING SCREWS

SEALANT:

ALL FRAME/PANEL JOINTS AND SEAMS SEALED WITH JOINT SEALER.



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SERIES 610: ALUMINUM FIXED WINDOW
(L.M.I)
LARGE MISSILE IMPACT RATED



ECO WINDOW SYSTEMS, LLC.
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