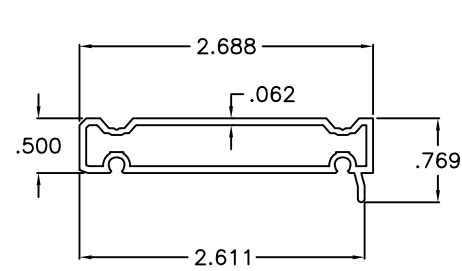
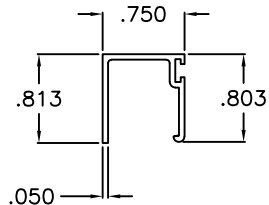


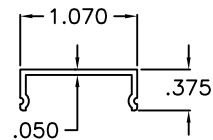
① FRAME HEAD/SILL/JAMB



⑦ FLUSH FRAME ADAPTER



② GLAZING BEAD



③ ANCHOR COVER

**ECO-GUARD SERIES-300  
ALUMINUM FIXED WINDOW**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW 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.

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.

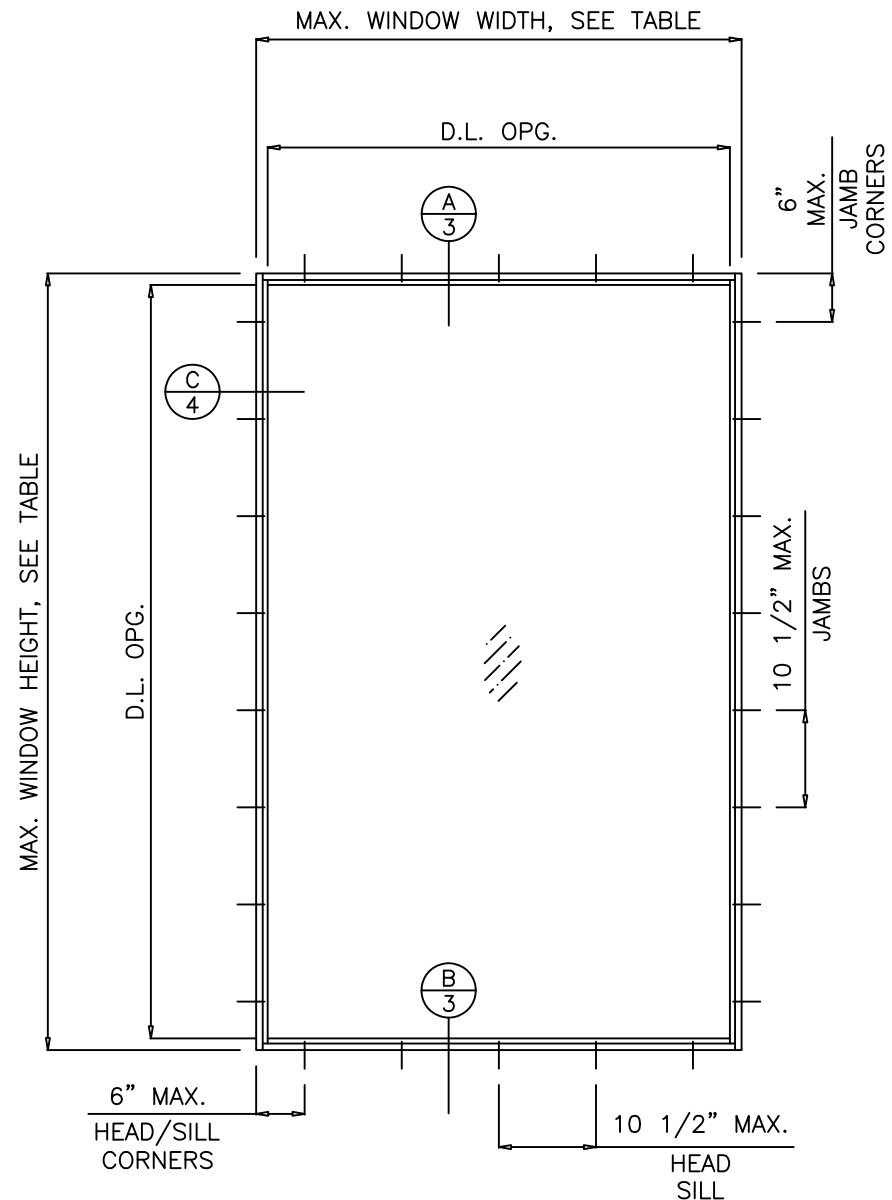
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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 SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTER SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS ARE NOT REQUIRED FOR INSTALLATION ABOVE 30 FT. OF GRADE.

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.



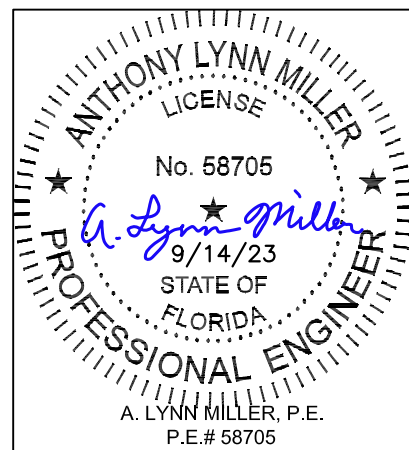
TYPICAL ELEVATION

GLASS D.L.O. DIMS.  
D.L.O. HEIGHT = WINDOW HEIGHT - 3.625"  
D.L.O. WIDTH = WINDOW WIDTH - 3.625"

Revision:

REVISED TABLE FORMAT.
ADDED DP TABLE
ROUNDING, ANSI Z97.1, AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

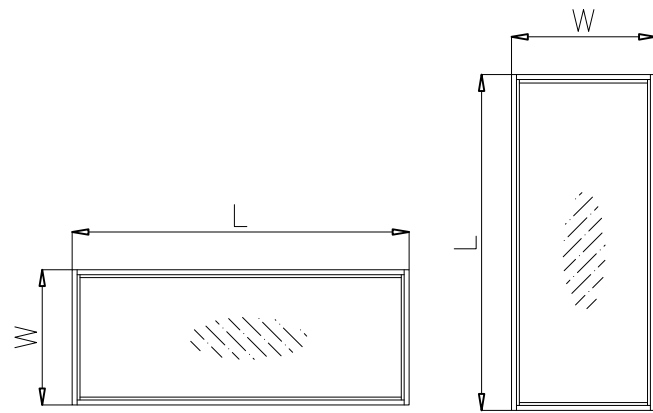
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	2/10/2022	Rev.	A
		Drawn	HONG C.	DWG No.	PW300SM-FPA
ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW (S.M.I.)		GENERAL INFORMATION, EXTRUSIONS & ELEVATIONS		Sheet	1 OF 5
8602 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902		SERIES 300			



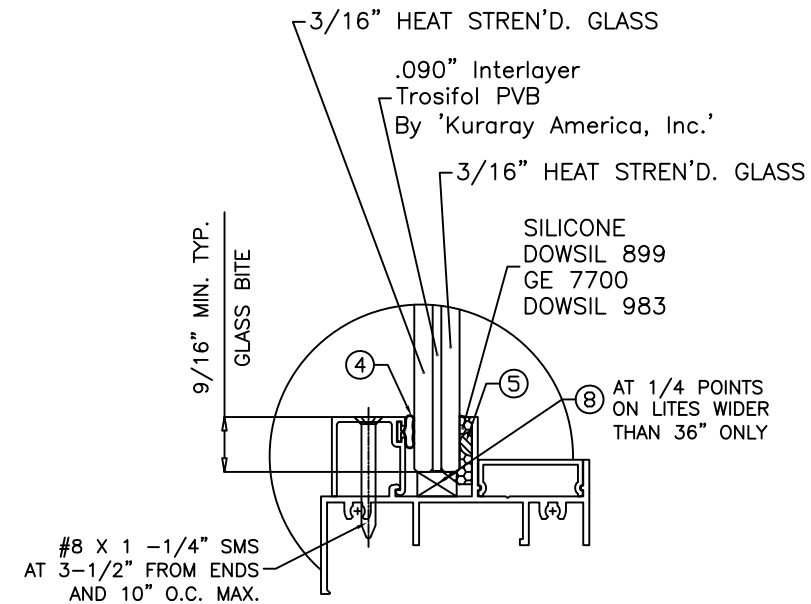
**Design Load Capacity - PSF**

7/16" Lam. Glass	Window Length (L)																											
	26"		36"		38-3/8"		48"		50-5/8"		60"		63"		72"		76"		84"		96"		108"		120"			
24"	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0
26-1/2"	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0						
30"	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0						
36"	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-149.4	+100.0	-145.1								
37"	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-150.0	+100.0	-146.6	+100.0	-146.6										
42"	+100.0	-150.0	+100.0	-150.0	+100.0	-147.8	+100.0	-135.0	+100.0	-135.0	+100.0	-135.0	+100.0	-135.0	+100.0	-135.0	+100.0	-135.0										
48"	+100.0	-150.0	+100.0	-150.0	+100.0	-147.8	+87.5	-118.1	+87.5	-118.1	+87.5	-118.1																
53-1/8"	+100.0	-150.0	+100.0	-150.0	+100.0	-147.8	+87.5	-118.1	+83.0	-112.0																		
54"	+100.0	-150.0	+100.0	-150.0	+100.0	-144.4	+87.5	-118.1																				
60"	+100.0	-150.0	+100.0	-150.0	+100.0	-144.4	+87.5	-118.1																				
66"	+100.0	-150.0	+100.0	-150.0	+100.0	-144.4	+87.5	-118.1																				
72"	+100.0	-150.0	+100.0	-150.0	+100.0	-144.4																						
74"	+100.0	-150.0	+100.0	-144.4	+100.0	-144.4																						

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



NOTE:  
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED  
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

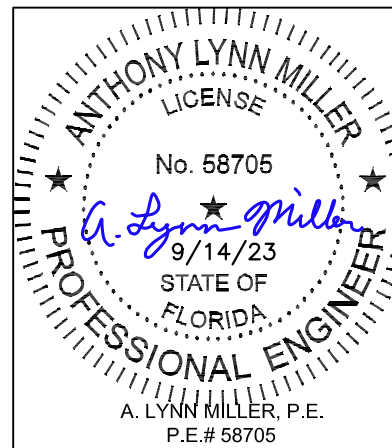


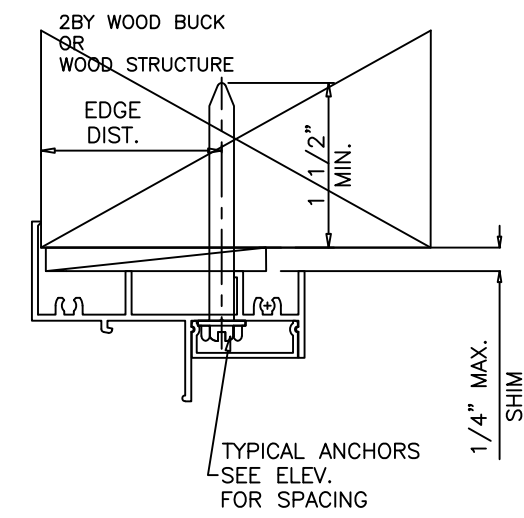
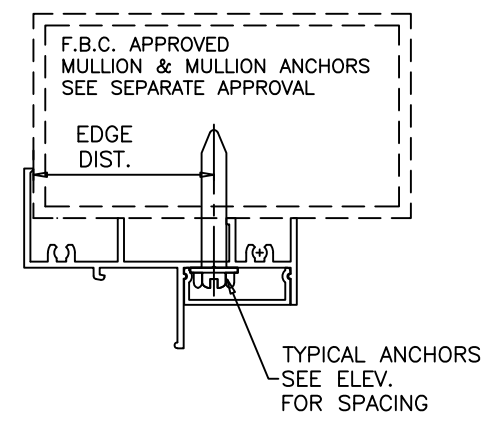
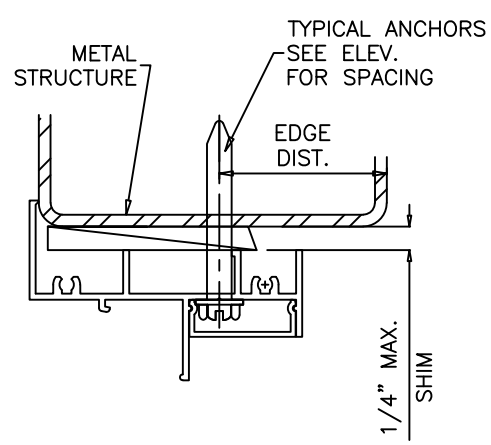
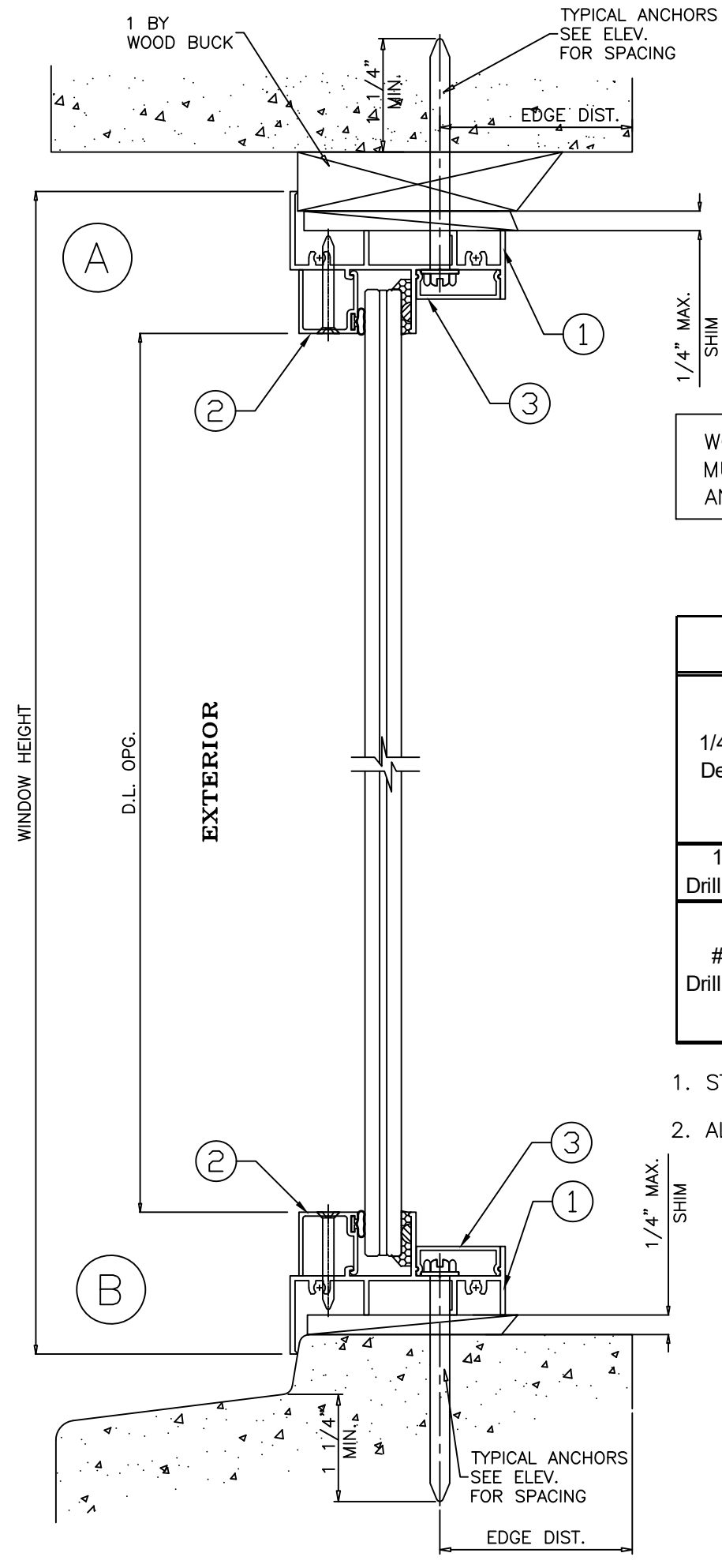
**GLAZING DETAIL**  
7/16" OVERALL NOM. THK.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

Revision:  
REVISED TABLE  
FORMAT,  
ADDED DP  
TABLE  
ROUNDING,  
ANSI Z97.1, AND  
ANCHOR HEAD  
TYPE NOTES,  
REMOVED  
SILICONE AND  
BACKSTOP ON  
INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	2/10/2022	Drawn HONG C.	Rev. A
	ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	Title DESIGN LOADS & GLASS TYPES		



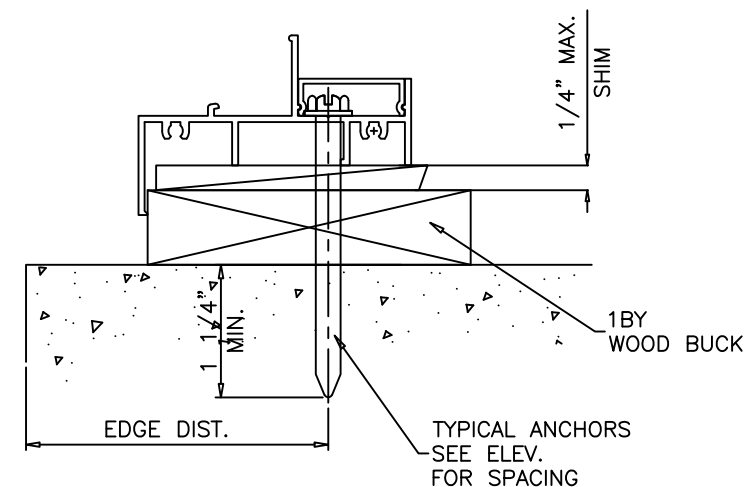


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" ITW Tapcon or 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"
	Jamb	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"
	Jamb	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	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
#14 SMS or Self Drilling Screws (Gr. 2)	All	F.B.C Approved Mullions	3/4"	(3) Threads min. beyond metal thickness
	All	Aluminum 1/8" Thk. Min. (6063-T5) (No Shim Space)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi) (No Shim Space)	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



**SEALANT:**  
ALL JOINT AND FRAME CONNECTIONS SEALED WITH JOINT SEALER.

Revision:  
REVISED TABLE FORMAT,  
ADDED DP TABLE ROUNDING,  
ANSI 297.1, AND ANCHOR HEAD TYPE NOTES,  
REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

ECO window systems  
ECO WINDOW SYSTEMS, LLC.  
8602 N.W. 80th ST. MEDLEY, FL 33166  
TEL: (305) 885-5299 FAX: (305) 885-5902

REGISTRATION #29296

ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW (S.M.I.)

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

2/10/2022

HONG C.

PW300SM-FPA

3 OF 5

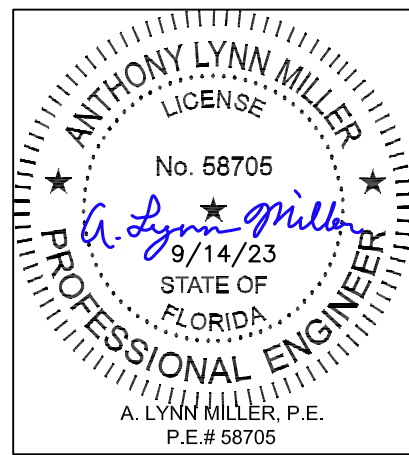
SERIES 300

VERTICAL SECTION DETAILS & ANCHORS

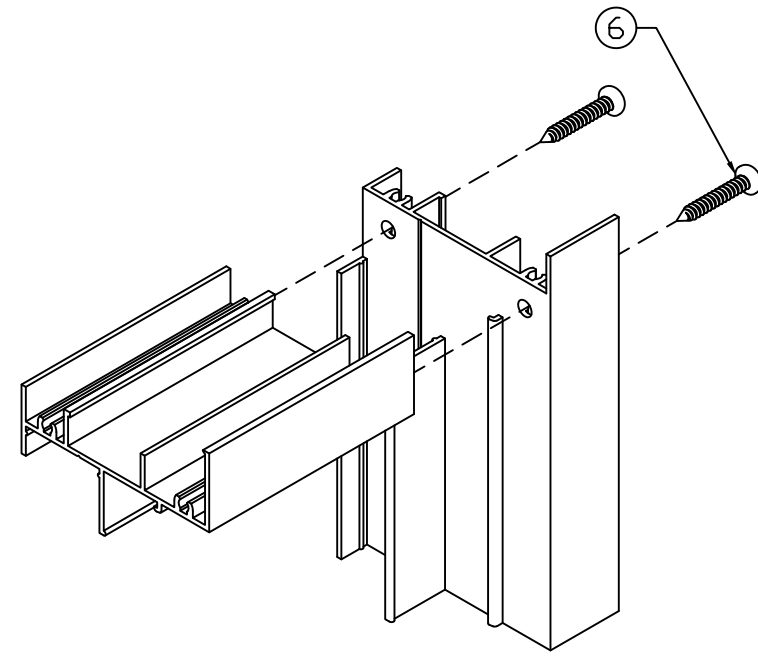
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DWG No.

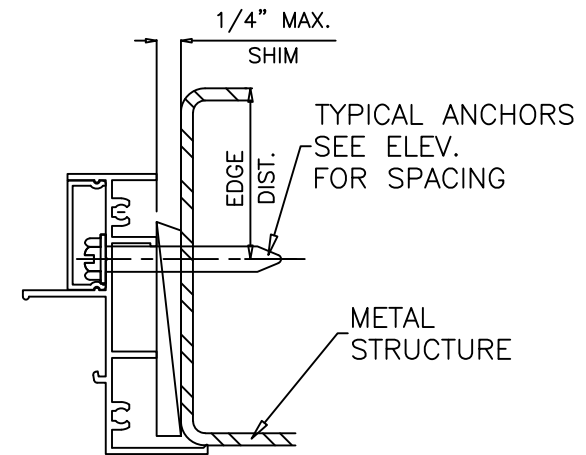
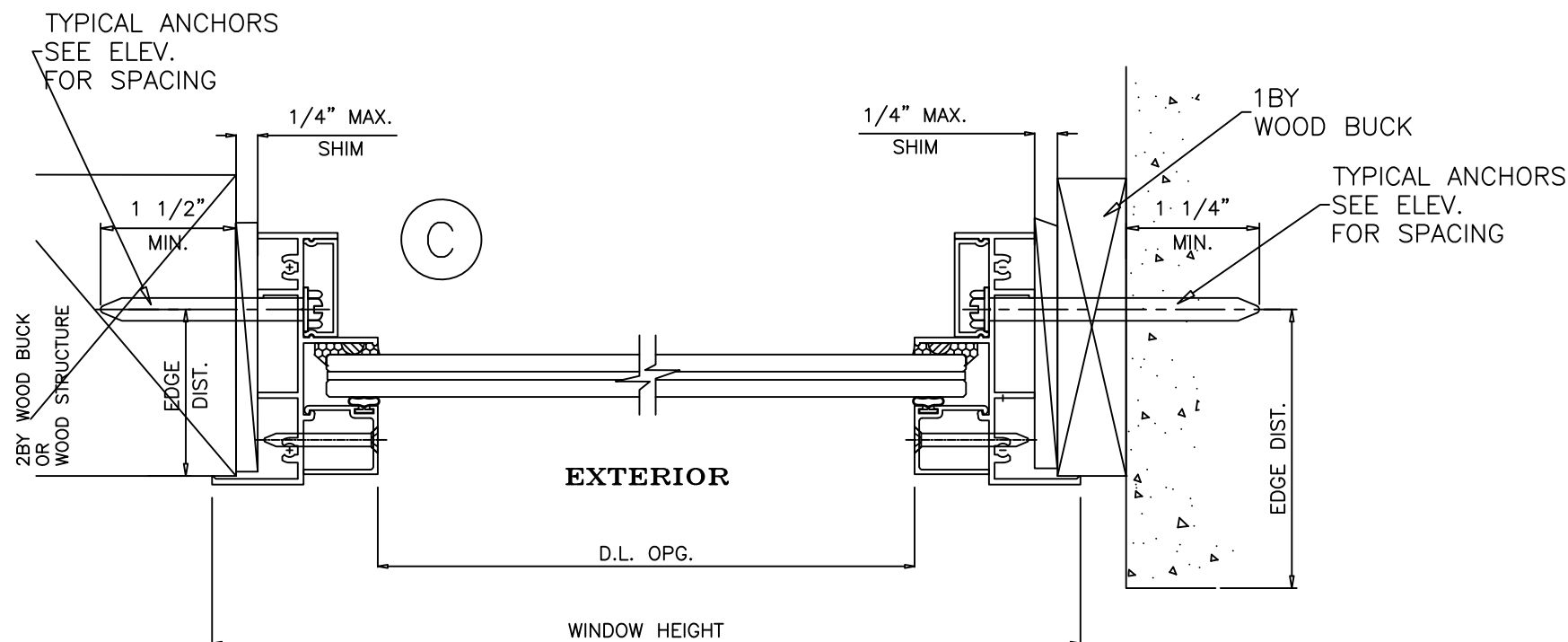
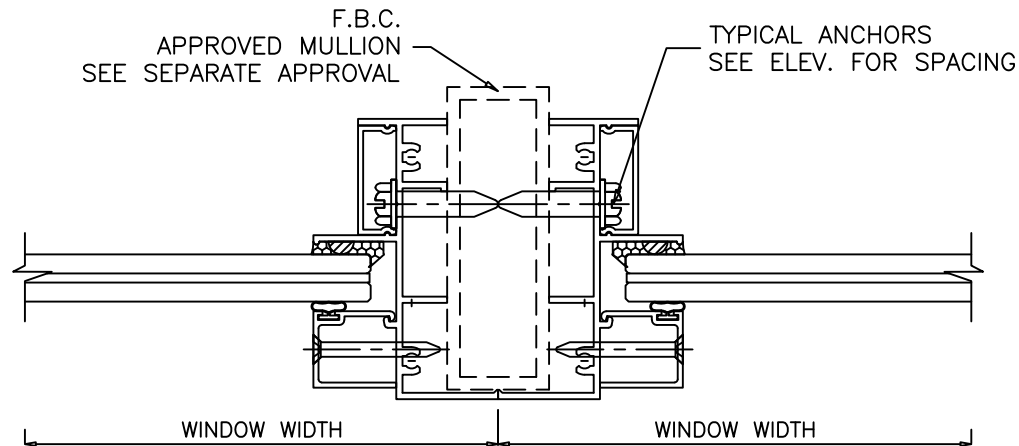
Rev. A



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FY301	2	FRAME HEAD/SILL/JAMB	6063 - T6	-
2	FY302	AS REQD.	GLAZING BEAD - 7/16" GLASS	6063 - T6	-
3	FY303	AS REQD.	ANCHOR COVER	6063 - T5	-
4	E203	AS REQD.	GLAZING BEAD BULB	NEOPRENE	ULTRAFAB
5	FLB-50	1	GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE
6	#8 x 1"	8	FRAME ASSEMBLY SCREW	CRS	PH SMS
7	FY120	-	FLUSH FRAME ADAPTER	6063 - T6	OPTIONAL
8	-	2/LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A

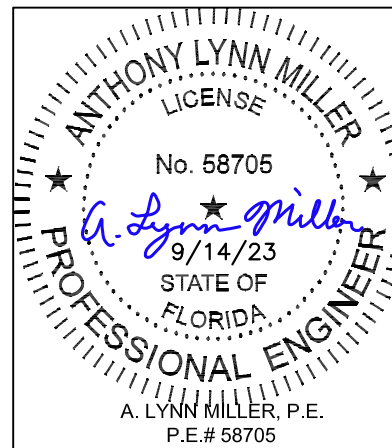


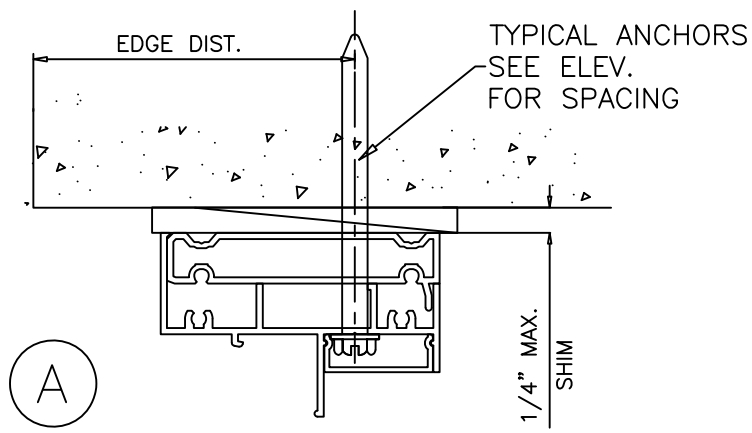
**CORNER DETAIL**



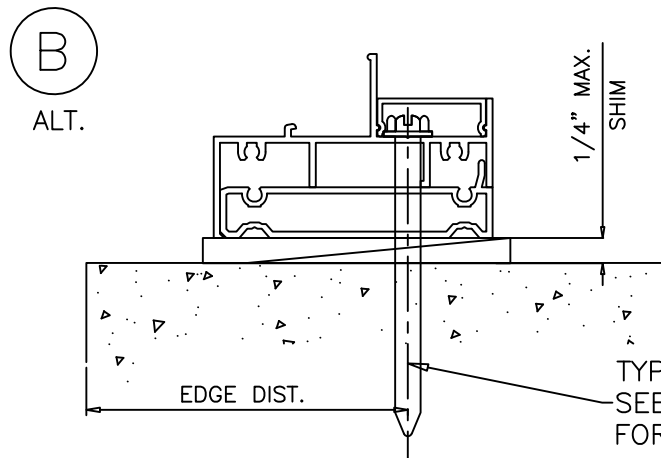
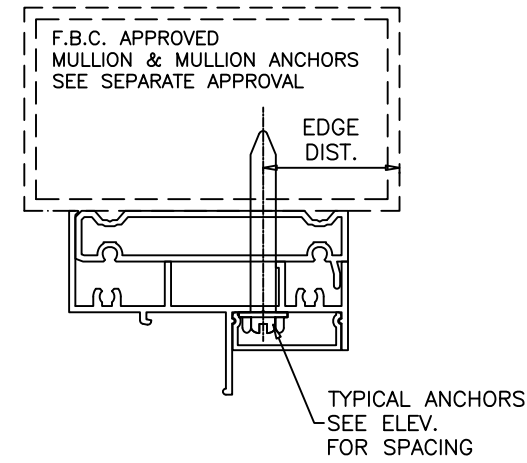
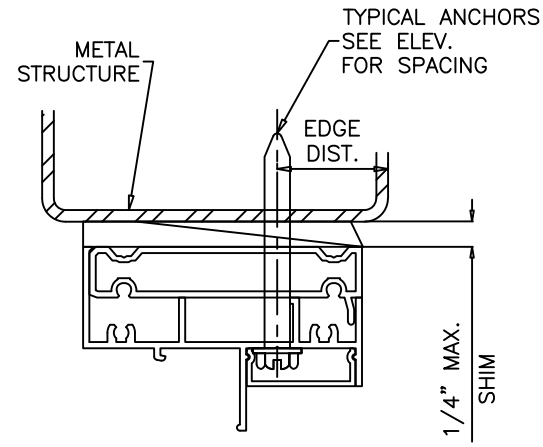
Revision:  
 REVISED TABLE  
 FORMAT.  
 ADDED DP  
 TABLE  
 ROUNDING,  
 ANSI Z97.1, AND  
 ANCHOR HEAD  
 TYPE NOTES,  
 REMOVED  
 SILICONE AND  
 BACKSTOP ON  
 INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	2/10/2022	HONG C. PW300SM-FPA	A
	ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW (S.M.I.) HORIZONTAL SECTION DETAILS, CORNER DETAIL & BOM		
	SERIES 300 4 OF 5	Title Desc.	No. 58705	P.E.# 58705

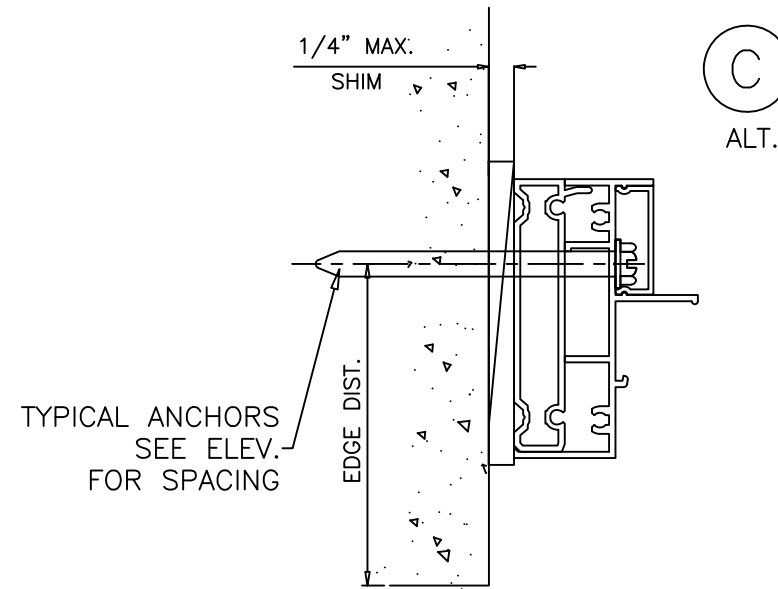




A  
ALT.



B  
ALT.



C  
ALT.

**INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER**

Revision:  
REVISED TABLE  
FORMAT,  
ADDED DP  
TABLE  
ROUNDING,  
ANSI Z97.1, AND  
ANCHOR HEAD  
TYPE NOTES,  
REMOVED  
SILICONE AND  
BACKSTOP ON  
INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	2/10/2022	Rev.	A
	ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	ECO-GUARD SERIES-300 ALUMINUM FIXED WINDOW (S.M.I.) FLUSH FRAME ADAPTER INSTALLATION DETAIL	Drawn	HONG C.	DWG No.
	SERIES 300	Sheet	5 OF 5		

