

**SERIES-620FS
ALUMINUM FIXED WINDOW**

SEE SHEET 2 FOR SINGLE WINDOW DESIGN LOAD CAPACITIES.
FOR FIXED/FIXED COMBINATIONS IN MODULES OF TWO OR MORE WINDOWS
USING 'H' MULLION IN BETWEEN SEE CHART ON SHEET 6.
LOWER DESIGN PRESSURE FROM WINDOW OR MULLION CHART 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)'

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.

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

TYPICAL ELEVATION
TESTED UNITS

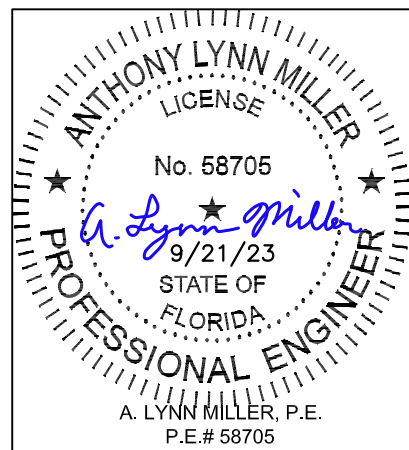
DAYLITE OPENING

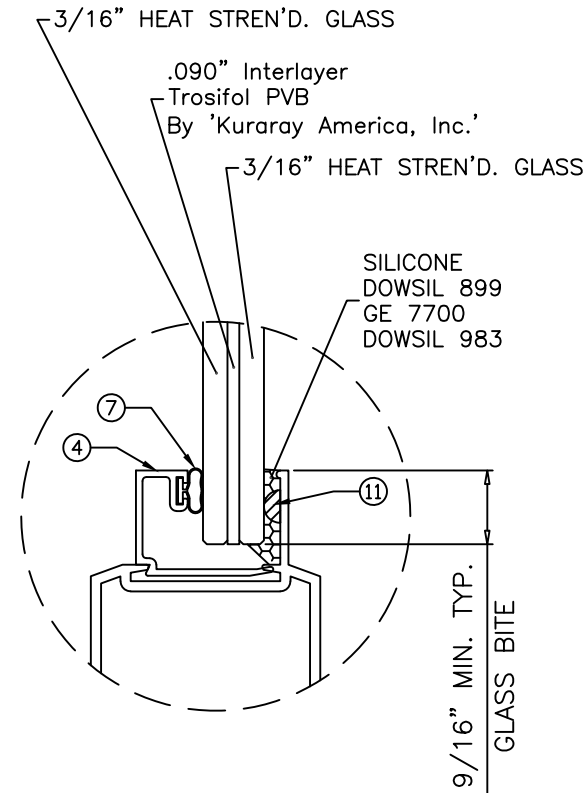
D.L.O. WIDTH = FRAME WIDTH - 4.50"
D.L.O. HEIGHT = FRAME HEIGHT - 11.00"

Revision:

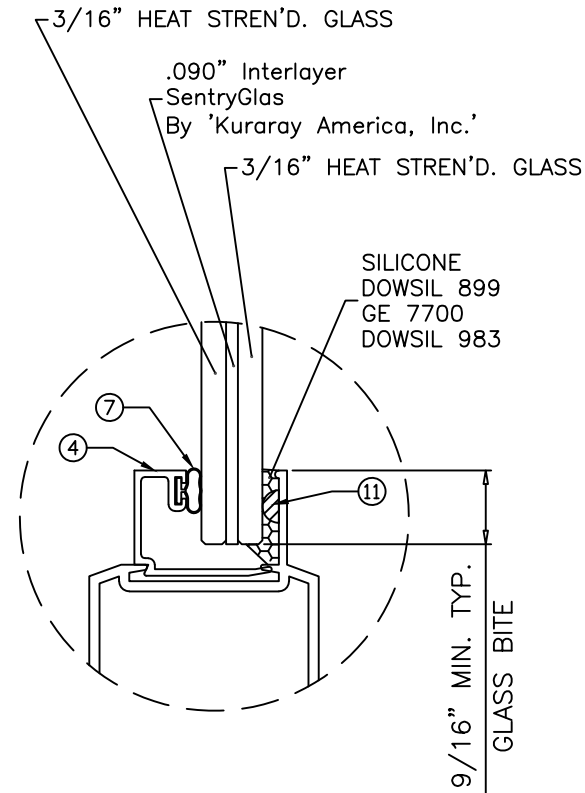
REVISED TABLE	ANSI Z97.1, AND
FORMAT,	ANCHOR HEAD
ADDED DP	TYPE NOTES,
TABLE	REMOVED
ROUNDING,	SILICONE AND
ANSI Z97.1, AND	BACKSTOP ON
ANCHOR HEAD	INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	2/10/2022	HONG C. PW620FSLM-FPA	A
	ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)		
GENERAL INFORMATION & ELEVATIONS		Dwg No. 1 OF 6	Sheet No. 1 OF 6	Title

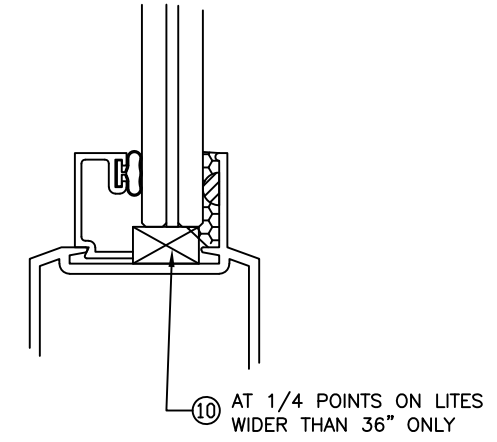




GLASS TYPE 'A'
7/16" NOM. LAM. GLASS

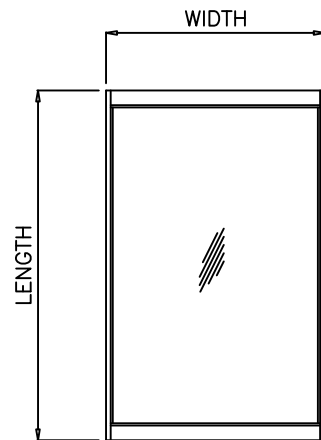


GLASS TYPE 'B'
7/16" NOM. LAM. GLASS



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

GLAZING OPTIONS



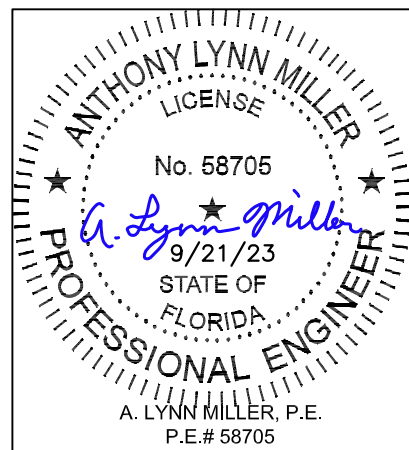
Design Load Capacity - PSF									
Glass Types 'A' & 'B'	Window Width (W)	Window Length (L)							
		90"		96"		102"		108"	
	36"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	42"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	48"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	54"	+60.0	-60.0	+60.0	-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"	+54.5	-54.5	+54.5	-54.5				
	72"	+50.0	-50.0						

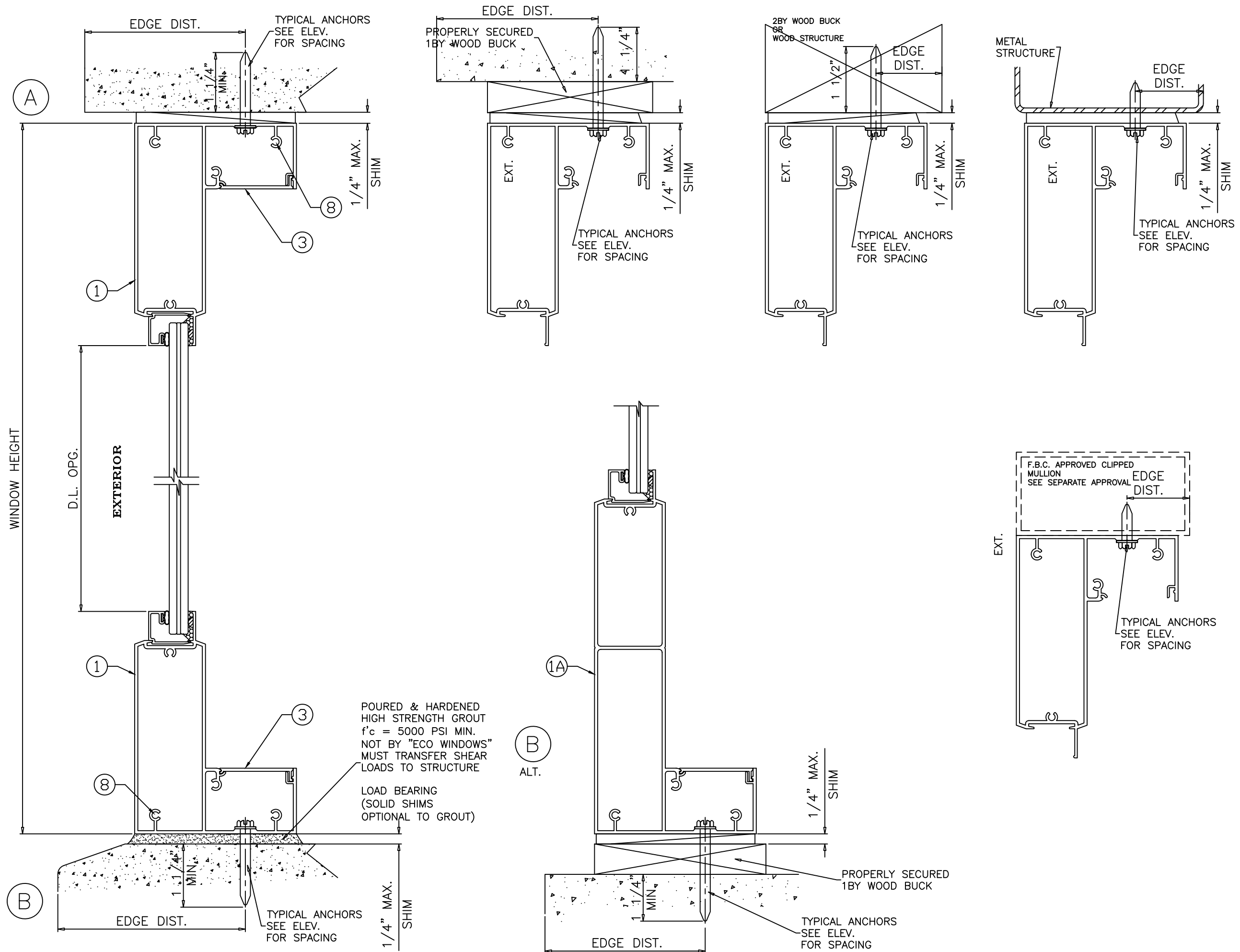
NOTES:

- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS)
- FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR LENGTH DIMENSION SHOWN ON THE TABLE.

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

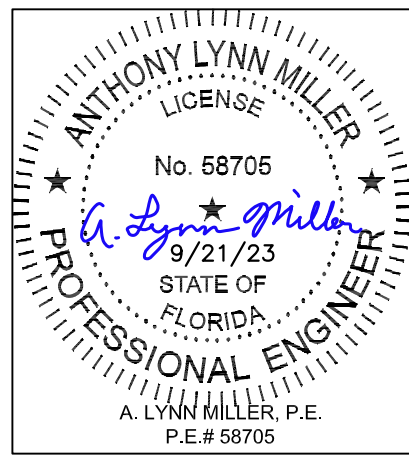
<p>ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902</p>	<p>PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</p>	<p>REGISTRATION #29296</p>	<p>2/10/2022</p>	<p>HONG C.</p>	<p>PW620FSLM-FPA</p>	<p>A</p>
	<p>SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)</p>	<p>DATE</p>	<p>BY</p>	<p>DRWN</p>	<p>NO.</p>	<p>DWG</p>
<p>DP CHART & GLASS OPTIONS</p>	<p>2 OF 6</p>	<p>SHEET</p>	<p>SERIES 620FS</p>	<p>NO.</p>	<p>DWG</p>	<p>Rev.</p>

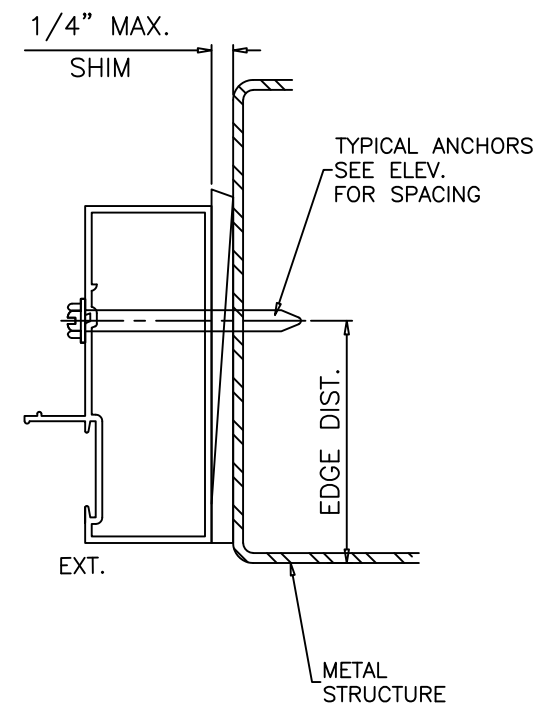
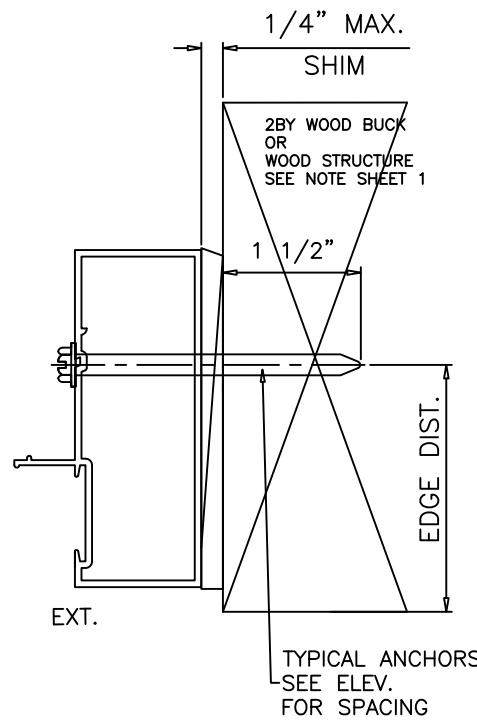
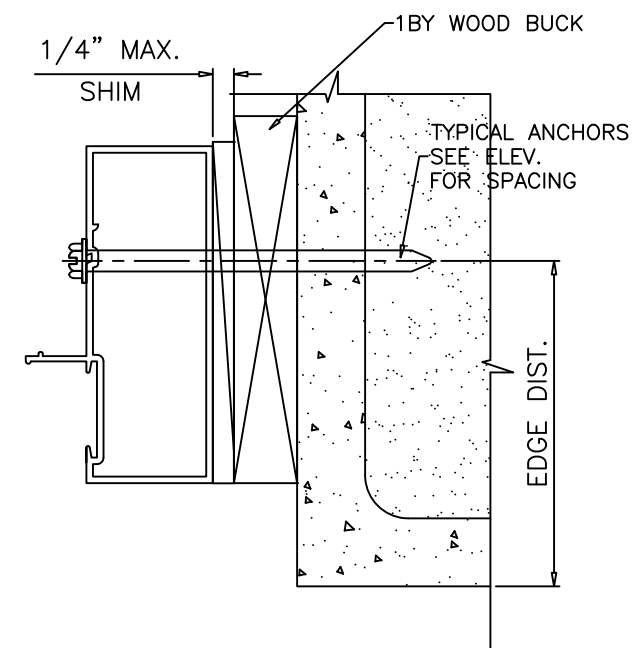
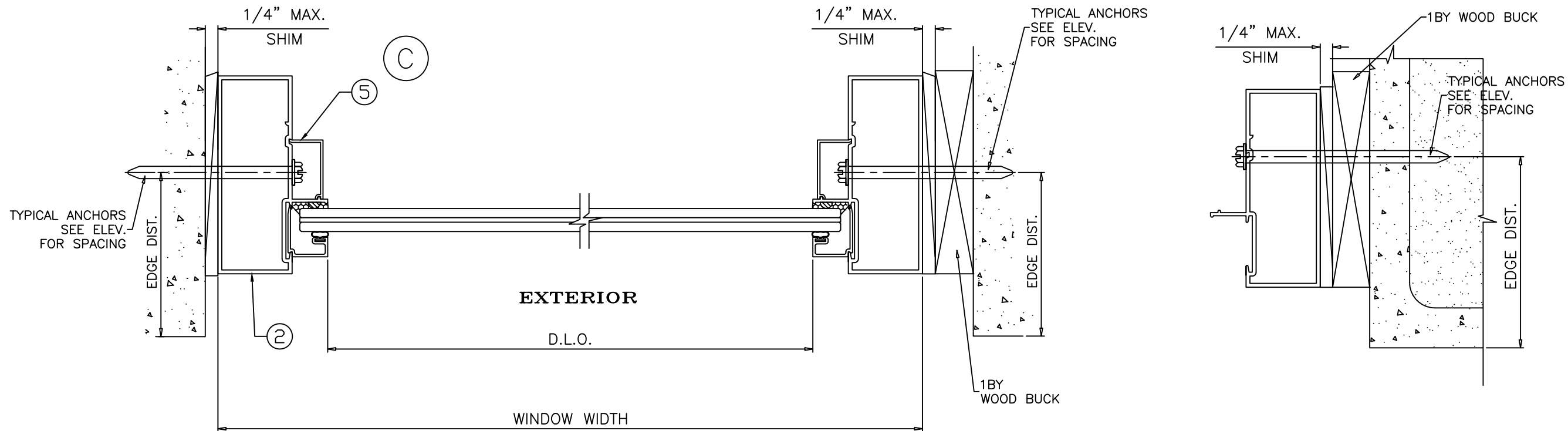




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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	Date 2/10/2022	Revis. A
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902		SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)	Drawn By HONG C.	Revis. PW620FSLM-FPA
VERTICAL SECTION DETAILS		Sheet 3 OF 6	DWG No.	Revis. A
SERIES 620FS		Title		





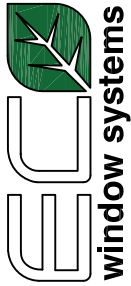
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

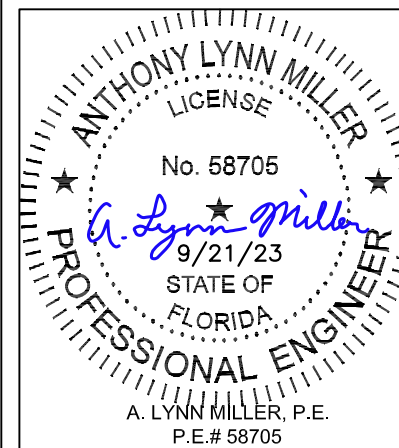
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

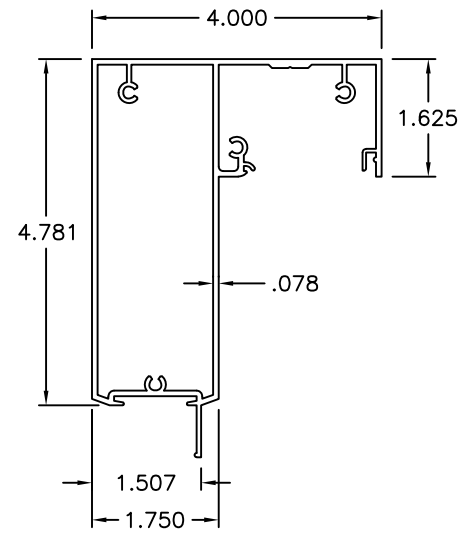
Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon +	All	Southern Pine (SG = 0.55)	1"	1-1/2"
	All	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	All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

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

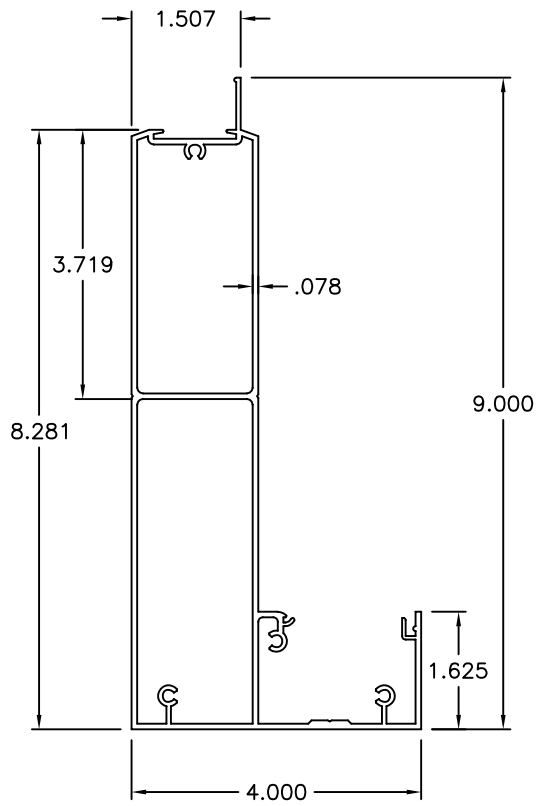
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	By	HONG C.	
 ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	Title	SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)	DWG No. PW620FSLM-FPA
	Desc.	HORIZONTAL SECTION DETAILS & ANCHOR DETAILS	
Series SERIES 620FS		Sheet 4 OF 6	Rev. A

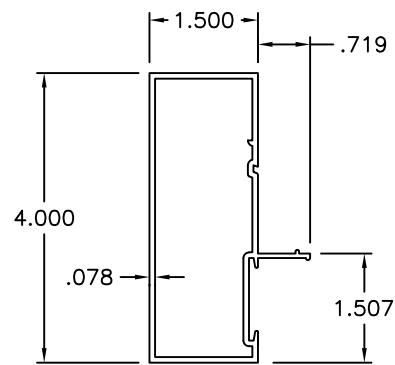




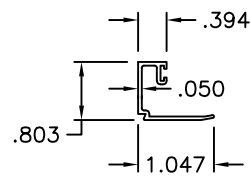
① FRAME HEAD/SILL



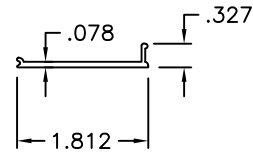
①A 9" BOTTOM RAIL



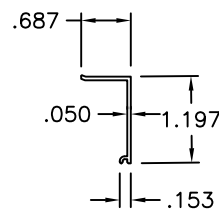
② FRAME JAMB



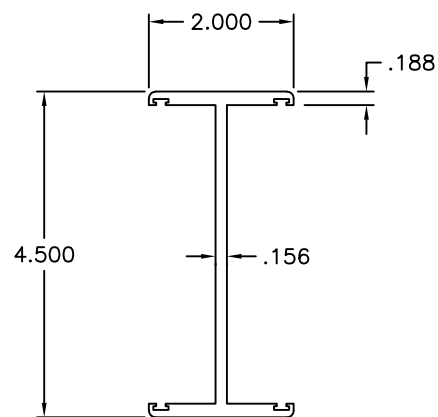
④ GLAZING BEAD



③ FRAME COVER



⑤ SNAP COVER

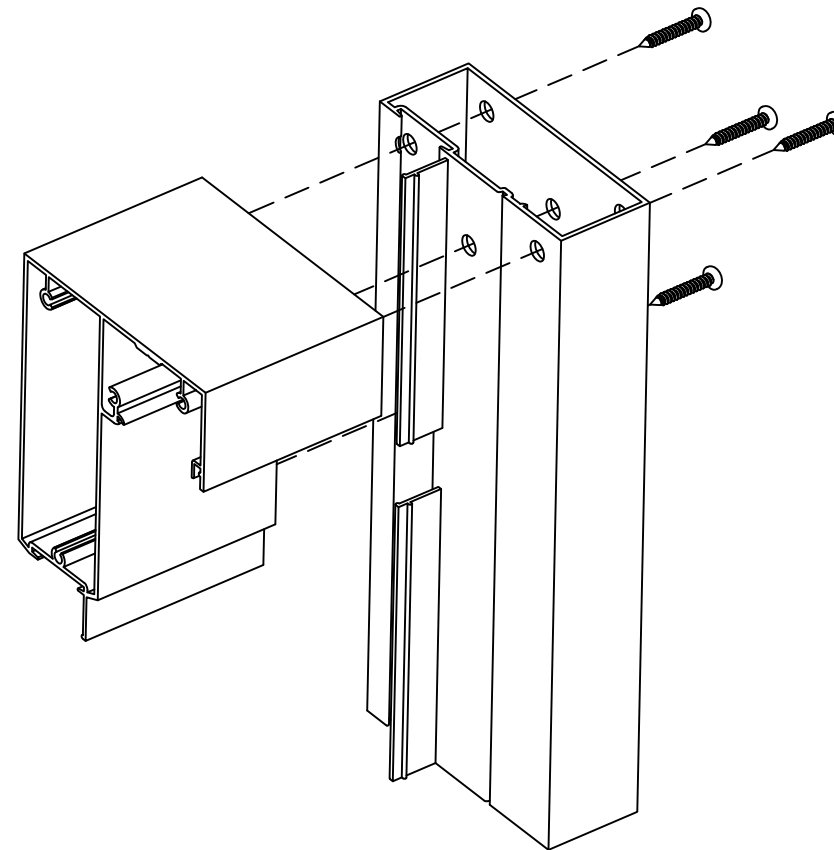


⑥ MULLION (S-620FS)

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E604	-	TOP & BOTTOM FRAME	6063 - T6	-
1A	E626	-	9" BOTTOM FRAME	6063 - T6	-
2	E605	-	FRAME JAMB	6063 - T6	-
3	E602	-	FRAME COVER	6063 - T6	-
4	FY109	-	GLAZING BEAD	6063 - T6	-
5	E616	-	SNAP COVER	6063 - T6	-
6	E623	-	'H' MULLION	6063 - T6	-
7	E206	-	GLAZING BEAD BULB	EPDM	ULTRAFAB
8	#10 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	HH SMS
9	-	-	XL EDGE SPACER (INSUL. LAM. GLASS)	ST. STEEL	CARDINAL
10	-	2/ LITE	SETTING BLOCK, 1/4" X 1/2" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
10A	-	2/ LITE	SETTING BLOCK, 1/4" X 3/4" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
11	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
12	E20618-KN-3020	-	BULB W'STRIPPING	EPDM	-

SEALANT:

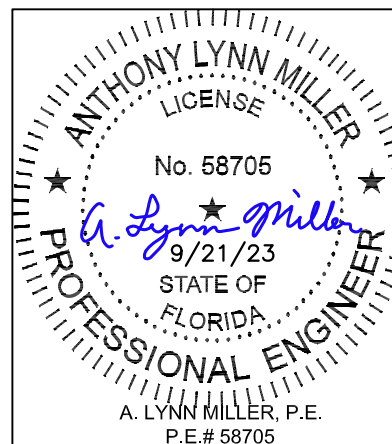
ALL FRAME/PANEL JOINTS AND SEAMS SEALED WITH JOINT SEALER.



FRAME CORNER

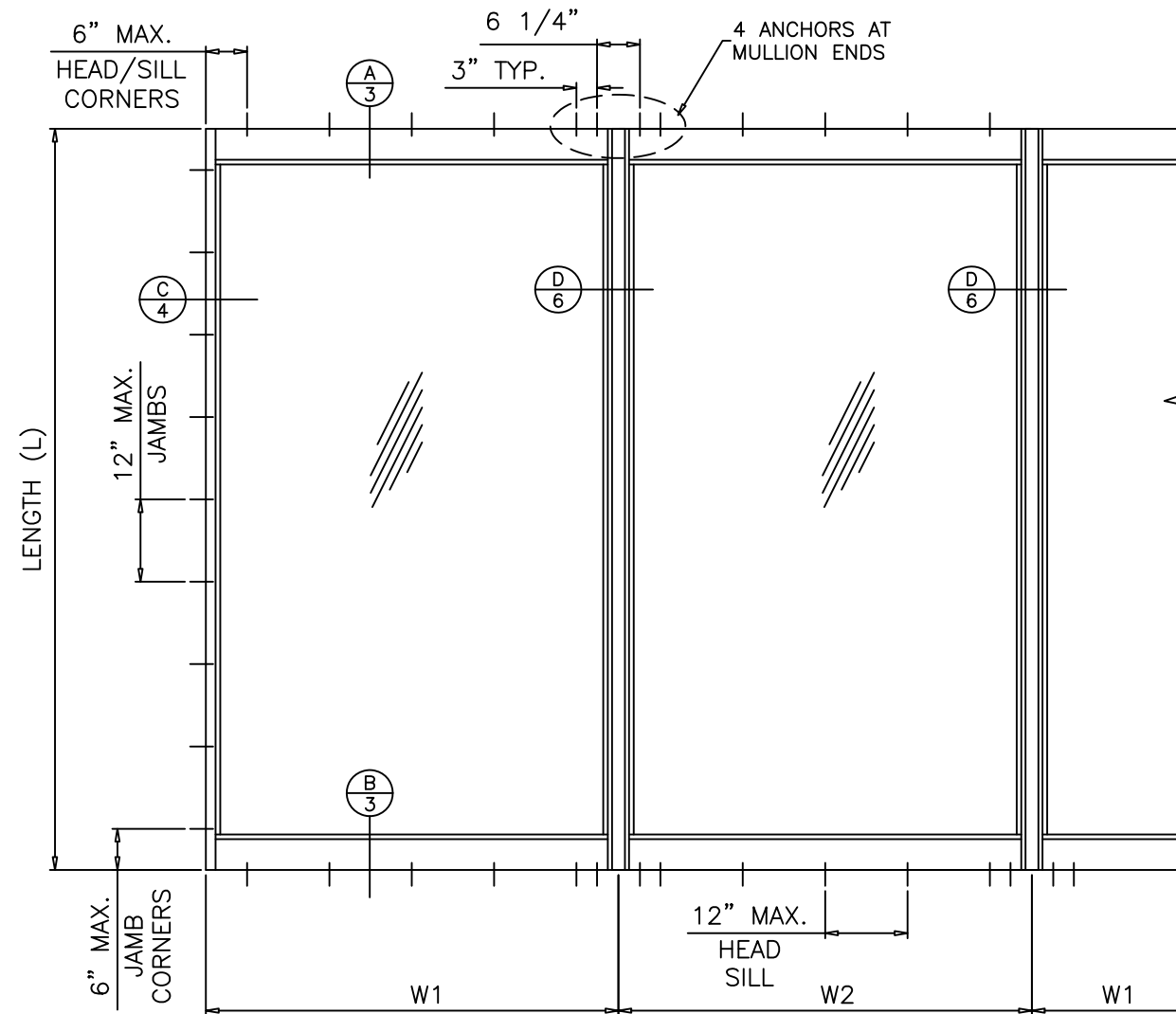
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	By	HONG C.	Drawn	PW620FSLM-FPA
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	Series	SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)	Sheet	5 OF 6
	Desc.	EXTRUSION, BOM & CORNER DETAIL	DWG	6



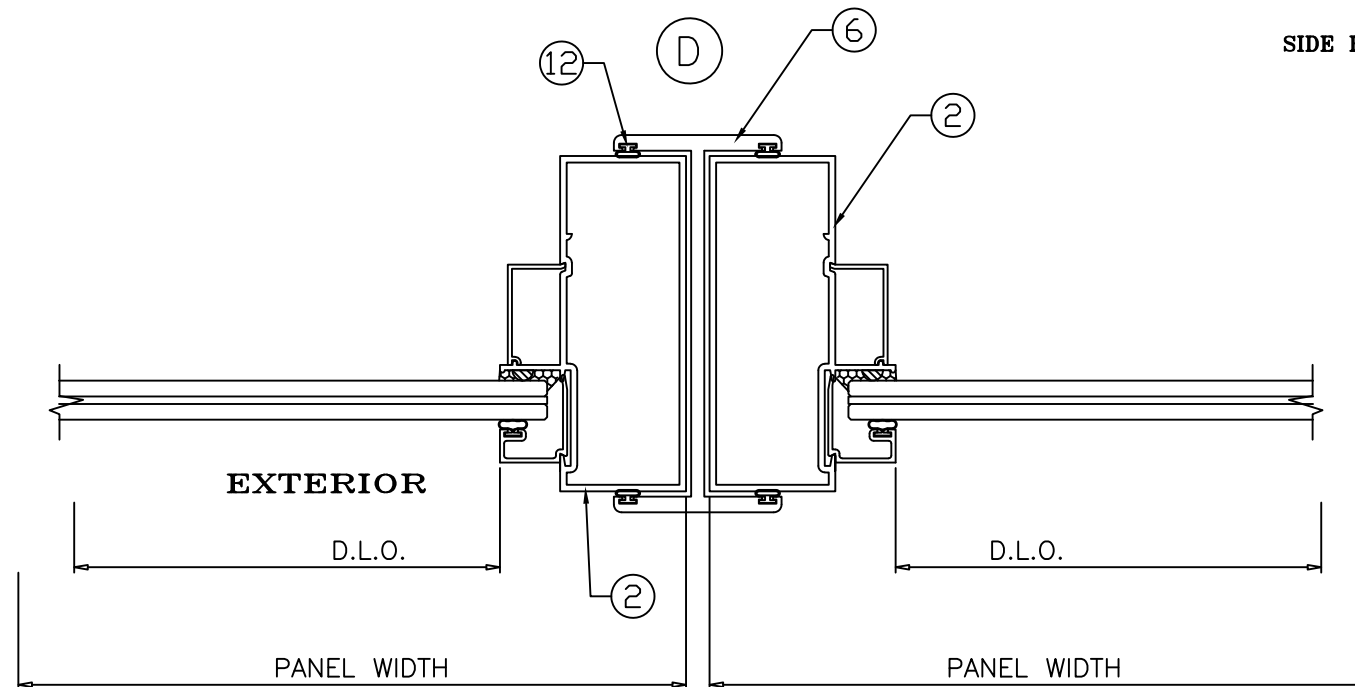
Mullion Load Capacity - PSF									
H' Mullion	Length (L)								
	90"		96"		102"		108"		
Width (W)	36"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	42"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	48"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	54"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	60"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	72"	+60.0	-60.0						

- NOTES:**
- USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
 - FOR FIXED WINDOW CAPACITY SEE SHEET 2.
 - LOWER VALUE FROM STEPS 1 OR 2 WILL APPLY TO ENTIRE SYSTEM.
 - FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR LENGTH DIMENSION SHOWN ON THE TABLE.



TYPICAL ELEVATIONS
SIDE BY SIDE WINDOWS
SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



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	ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902 SERIES-620FS ALUMINUM FIXED WINDOW (L.M.I.)	Title		
MULLION LOADS & SIDE BY SIDE ELEVATION		6 OF 6	DWG No.	SHEET No.

