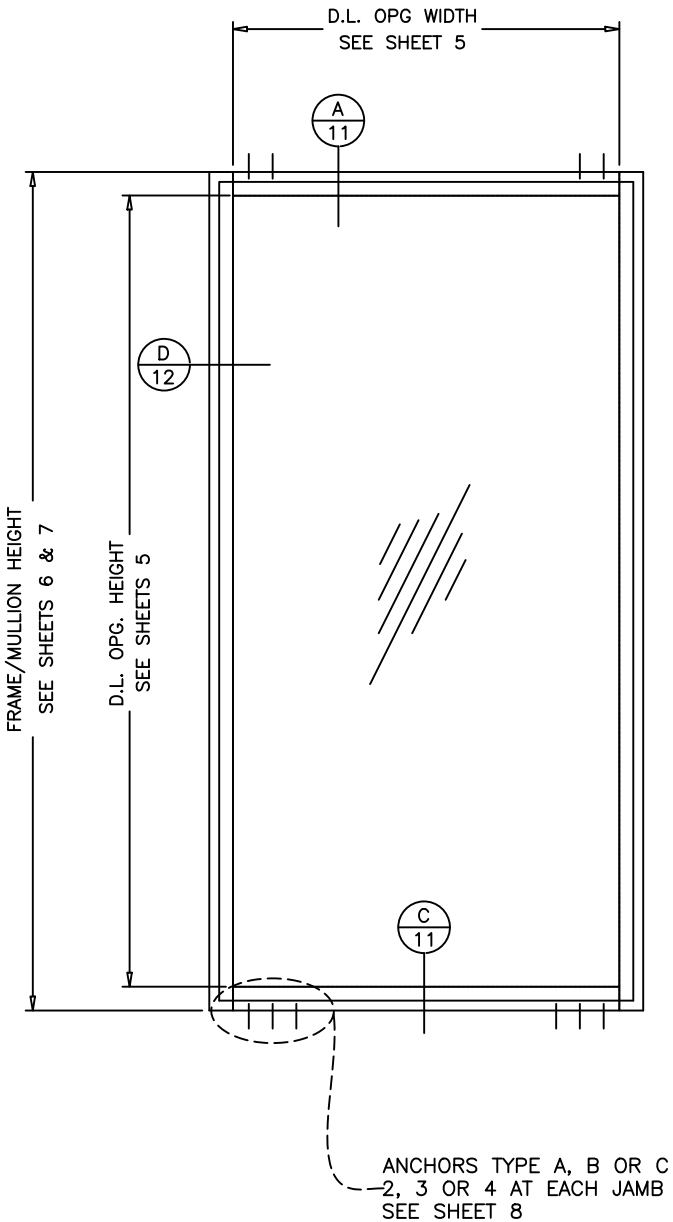
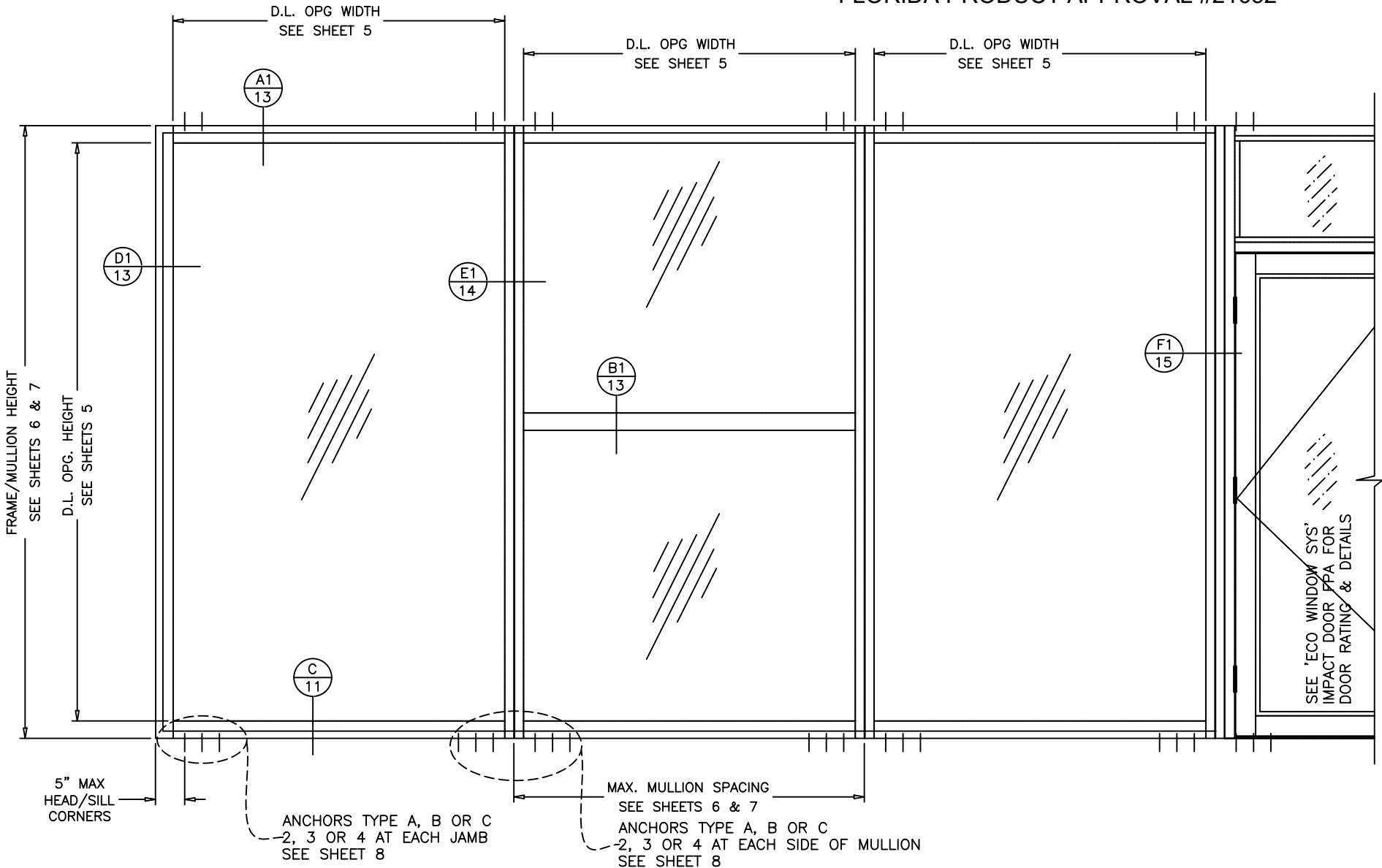


FLORIDA PRODUCT APPROVAL #21632



SERIES 2500 NARROW ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH FPA LARGE MISSILE IMPACT RESISTANCE DOORS. LOWER DESIGN PRESSURE FROM WINDOW WALL OR DOOR FPA 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 AS LISTED, 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 BUILDING CODE.

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 LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 5 FOR GLASS DESIGN LOAD CAPACITY.
- STEP 3** WHEN USING THIS SYSTEM WITH STRUCTURAL GLAZED OPTION APPLICATIONS, CHECK 'STRUCTURAL SILICONE (SSG) AT VERTICALS LOADS CAPACITY-PSF' TABLE ON SHEET 4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** CHECK WINDOW WALL SYSTEM CAPACITY FOR DESIRED HEIGHT AND MULLION SPACING USING CHARTS ON SHEETS 6 & 7. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5** USING CHARTS ON SHEET 8, SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 6** VERIFY UNANCHORED JAMBS, IF USED AS PER SHEETS 12 AND 14.
- STEP 7** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 8** WHEN USING THIS SYSTEM WITH DOORS. THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

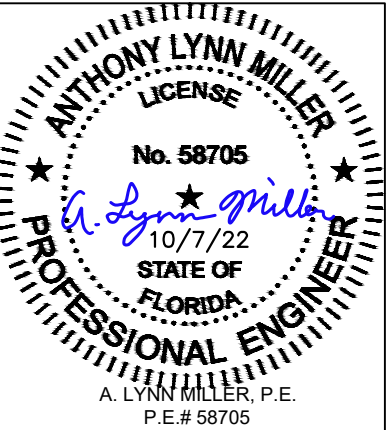
THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT. FPA APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.

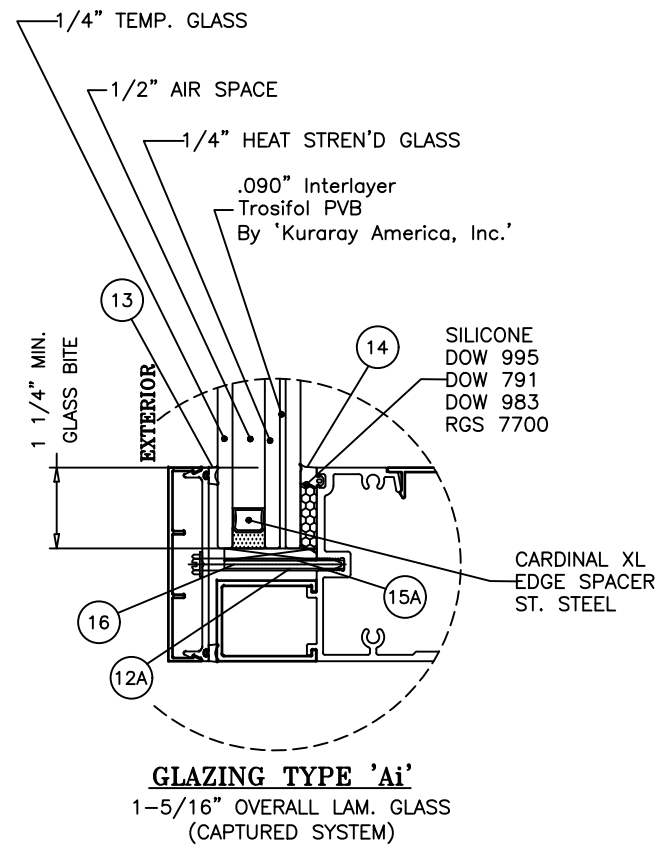
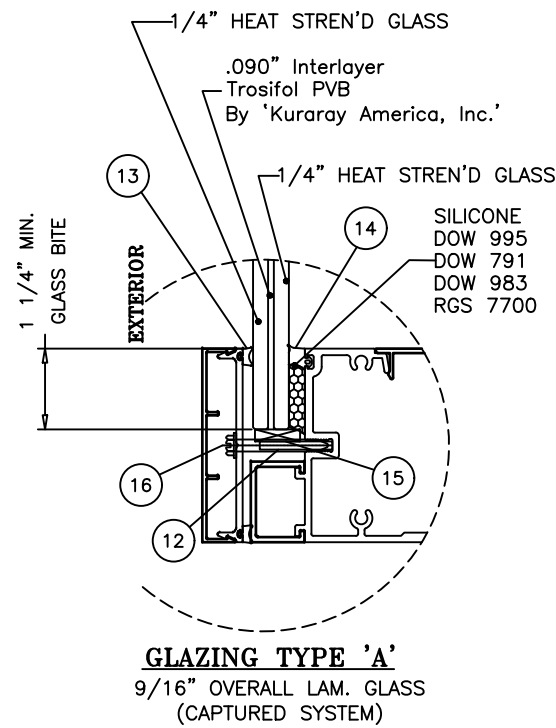
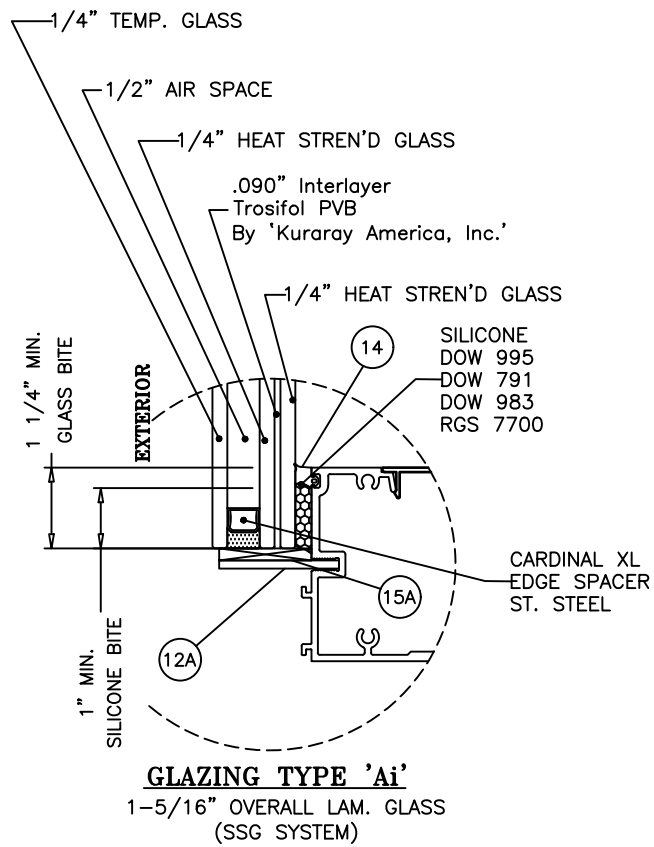
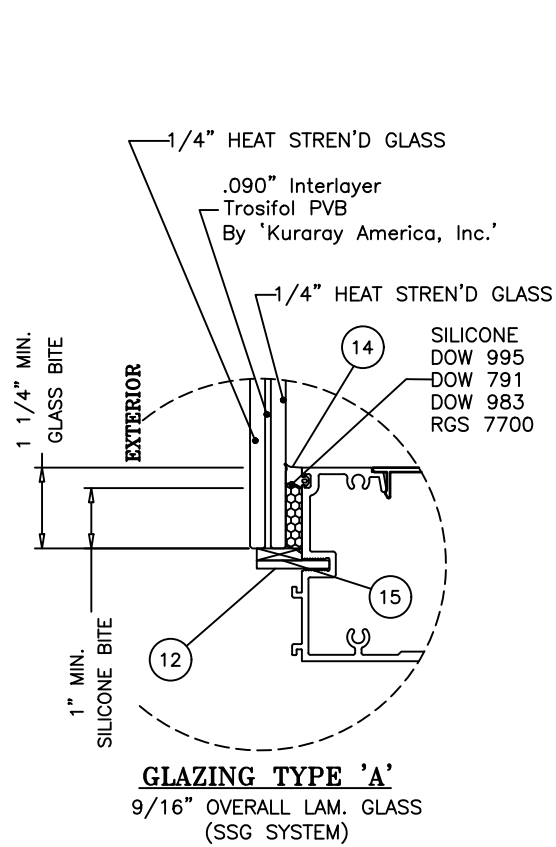
PRODUCT COMPLIES WITH REQUIREMENT OF ANSI Z97.1

SMALL MISSILE IMPACT

Revision:

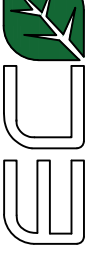
					PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600						
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902					REGISTRATION #29296						
Title		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)					Date		10/03/2022		
Series Desc.		GENERAL INFORMATION & ELEVATION					Drawn By		A.M.		
SERIES 2500		Sheet		1 OF 17		DWG No.		WWN2500FPA - SMI		Rev. A	

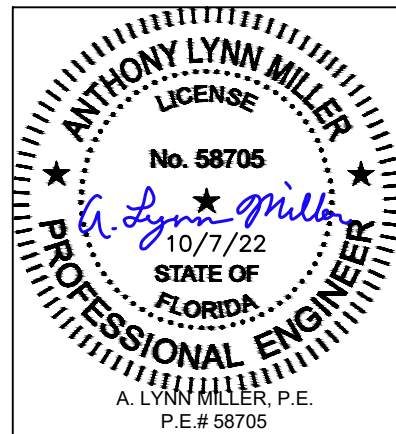


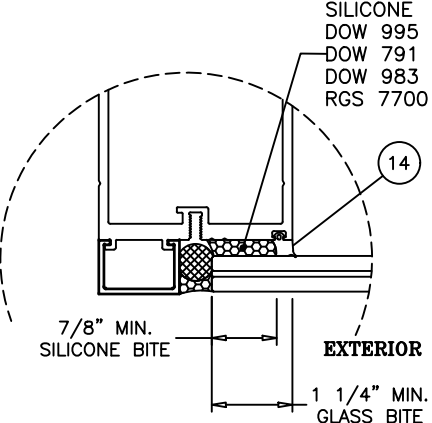


GLASS

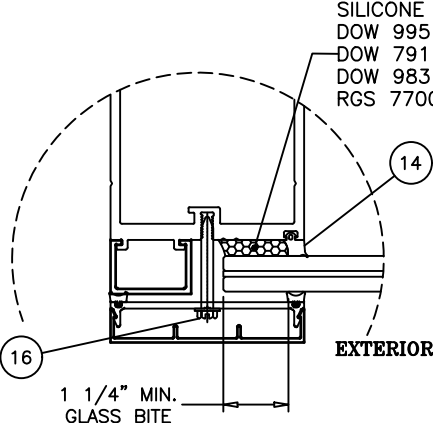
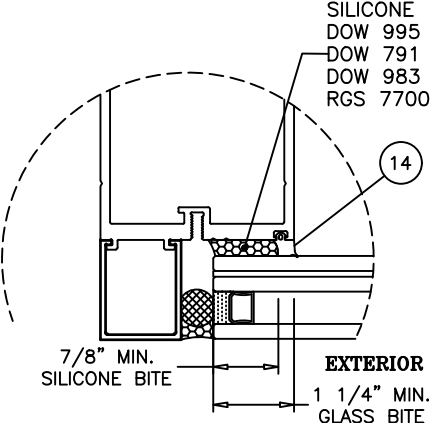
Revision:

 ECO window systems			PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902			REGISTRATION #29296		
Title			SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		Date
Series			GLAZING DETAILS		10/03/2022
Sheet			3 OF 17		
Desc.			A.M.		
Rev.			WVN2500FPA - SMI		A

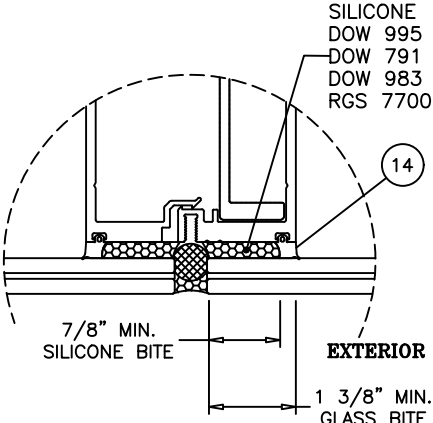
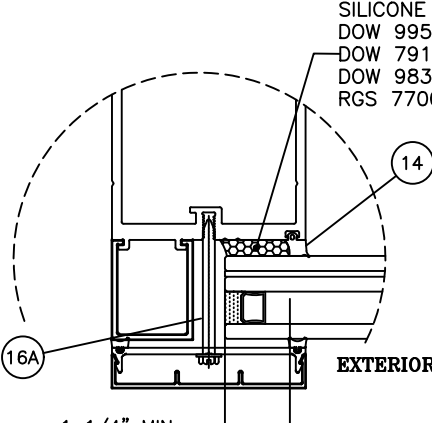




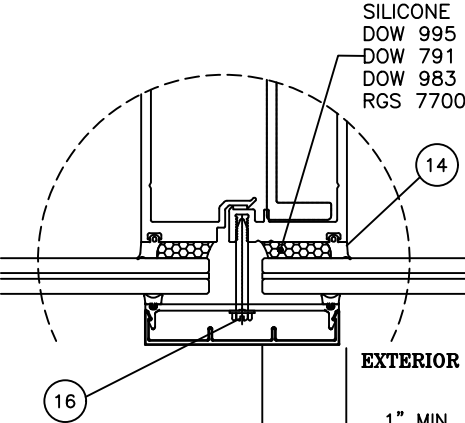
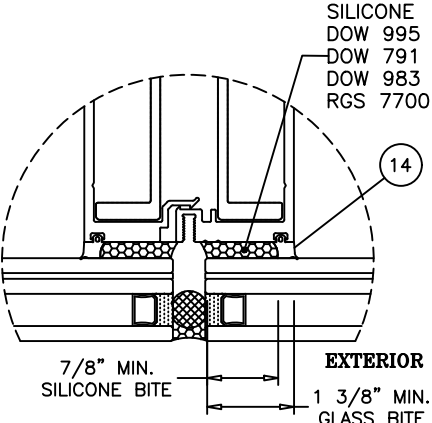
GLAZING DETAIL
(SSG JAMB)



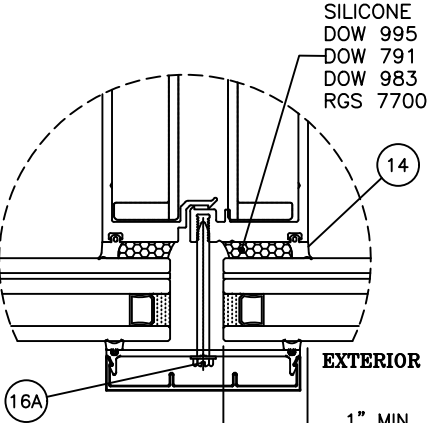
GLAZING DETAIL
(CAPTURED JAMB)



GLAZING DETAIL
(SSG MULLION)



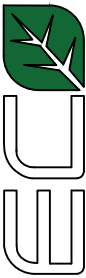
GLAZING DETAIL
(CAPTURED MULLION)

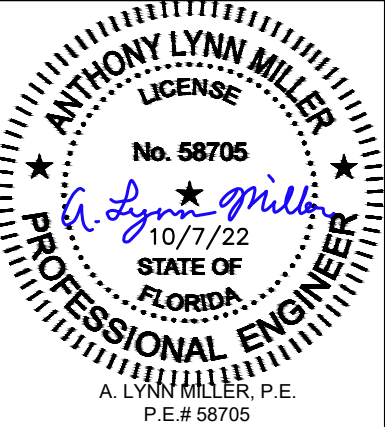


STRUCTURAL SILICONE (SSG) AT VERTICAL LOAD CAPACITY – PSF	
D.L.O. WIDTH	7/8" MIN. SILICONE BITE
48"	100.0
54"	93.3
60"	84.0
66"	76.4
72"	70.0

DESIGN LOADS FOR SILICONE WIDTHS AT SSG JAMBS/MULLIONS ONLY.
LOWER DESIGN LOADS FROM SHEET 5 OR CHART ABOVE SHALL CONTROL

GLASS

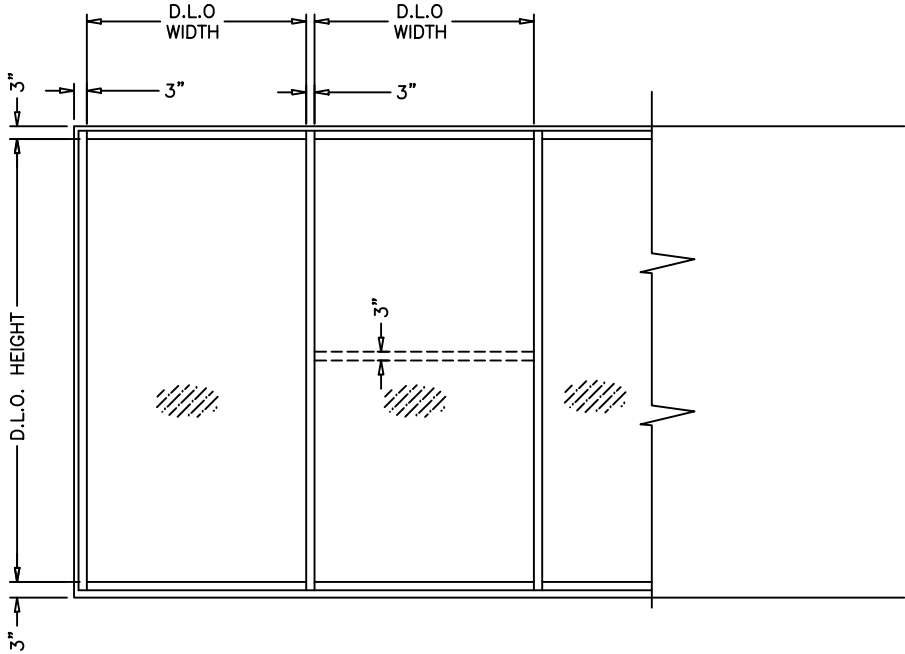
				PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902				REGISTRATION #29296			
Title		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		Date	10/03/2022		
Series Desc.		JAMB AND MULLION GLAZING DETAILS		Drawn By	A.M.		
Series 2500		4 OF 17		DWG No.	WWN2500FPA - SMI		Rev. A
Sheet							



GLASS LOAD CAPACITY – PSF			
NOMINAL DIMS.		GLASS TYPE 'A' & 'Ai'	
D.L.O. WIDTH	D.L.O HEIGHT	POS. (+)	NEG. (-)
42" 48" 54" 60" 66" 72"	84"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
		90.9	90.9
		83.3	83.3
42" 48" 54" 60" 66" 72"	90"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
		90.9	90.9
		83.3	83.3
42" 48" 54" 60" 66" 72"	96"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
		90.9	90.9
		83.3	83.3
42" 48" 54" 60" 66"	102"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
		90.9	90.9
		90.9	90.9
42" 48" 54" 60" 66"	108"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
		90.9	90.9
		90.9	90.9
42" 48" 50" 60"	114"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0
42" 48" 50" 60"	120"	100.0	100.0
		100.0	100.0
		100.0	100.0
		100.0	100.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

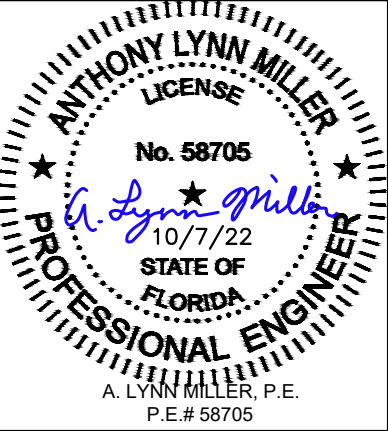
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–09 (3 SEC GUSTS).



GLASS

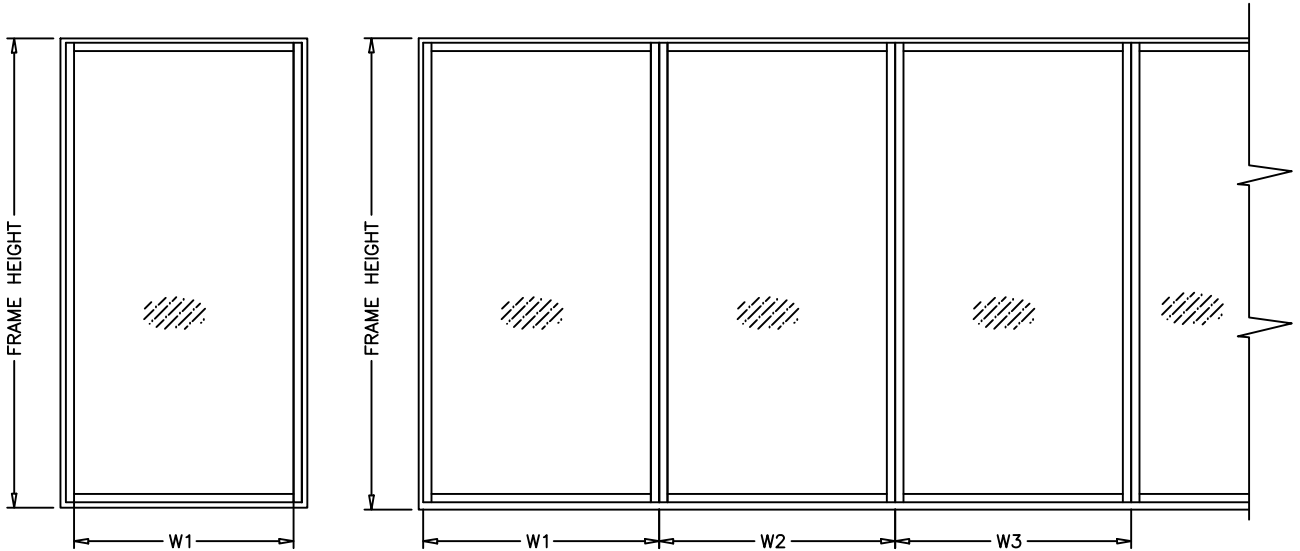
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		10/03/2022		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		A.M.		WWN2500FPA - SMI	
window systems		HEAD & SILL DESIGN LOADS		5 OF 17		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500		5 OF 17		A	



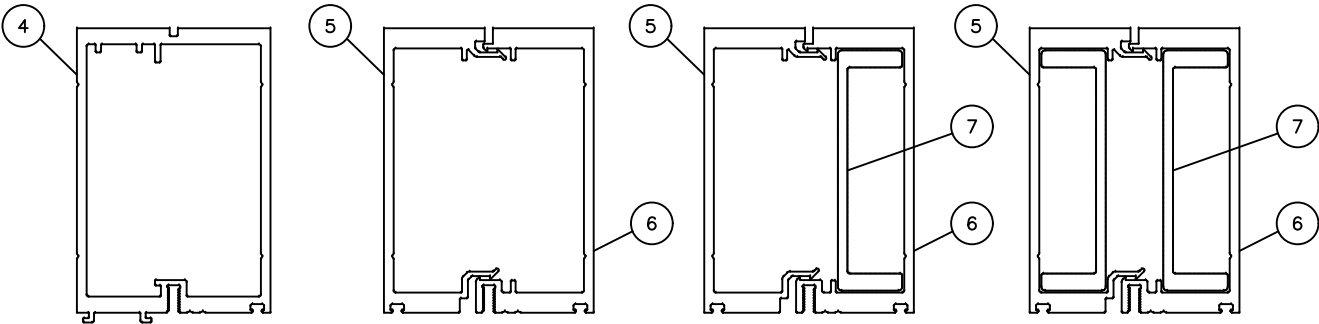
JAMB & MULLION LOAD CAPACITY – PSF									
JAMB & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		JAMB 'J'		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	90"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	96"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	102"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	95.5	95.5	100.0	100.0	100.0	100.0
30"	108"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	96.5	96.5	100.0	100.0	100.0	100.0
60"		100.0	100.0	89.1	89.1	100.0	100.0	100.0	100.0
66"		100.0	100.0	83.1	83.1	100.0	100.0	100.0	100.0
72"		100.0	100.0	83.1	83.1	100.0	100.0	100.0	100.0
30"	114"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	89.5	89.5	100.0	100.0	100.0	100.0
60"		100.0	100.0	81.1	81.1	97.9	97.9	100.0	100.0
66"		100.0	100.0	74.7	74.7	90.2	90.2	100.0	100.0
72"		100.0	100.0	74.7	74.7	90.2	90.2	100.0	100.0
30"	120"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	98.6	98.6	100.0	100.0	100.0	100.0
42"		100.0	100.0	85.7	85.7	100.0	100.0	100.0	100.0
48"		100.0	100.0	76.2	76.2	91.9	91.9	100.0	100.0
54"		100.0	100.0	68.9	68.9	83.2	83.2	97.5	97.5
60"		100.0	100.0	63.3	63.3	76.4	76.4	89.5	89.5
66"		100.0	100.0	63.3	63.3	76.4	76.4	89.5	89.5
72"		100.0	100.0	63.3	63.3	76.4	76.4	89.5	89.5

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



UNSECURED JAMB 'J'

MULLION 'M1'

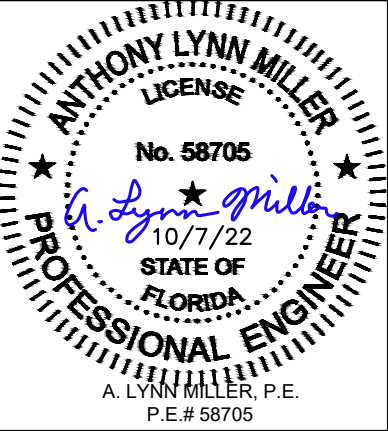
MULLION 'M2'

MULLION 'M3'

MULLION

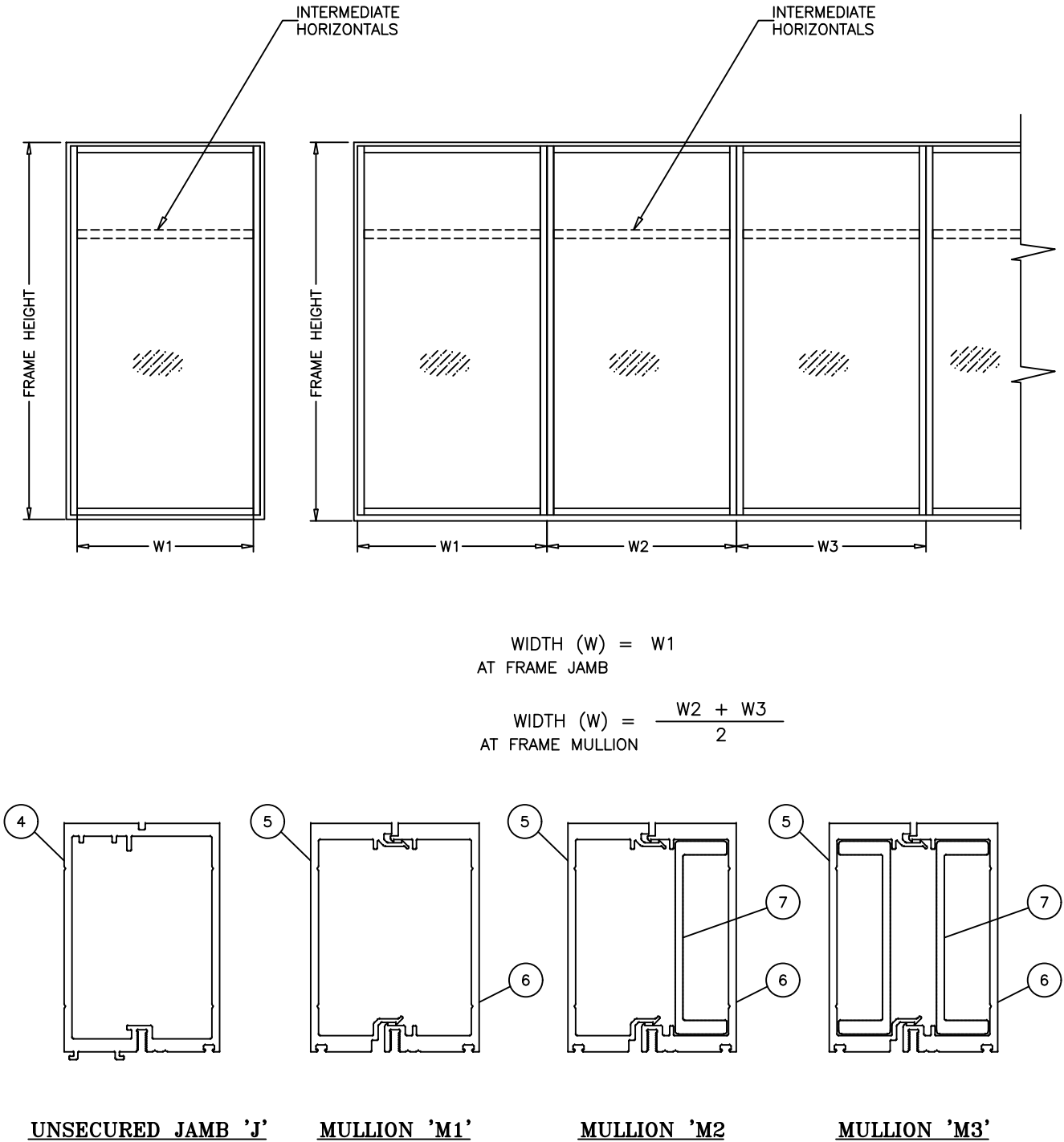
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		10/03/2022		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		A.M.		WWN2500FPA - SMI	
JAMB & MULLION LOAD CAPACITIES		DWG		6 OF 17		Sheet	
SERIES 2500		JAMB & MULLION LOAD CAPACITIES		SERIES 2500		SERIES 2500	



JAMB & MULLION LOAD CAPACITY - PSF									
JAMB & MULLIONS WITH INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		JAMB 'J'		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	90"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	96"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	102"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30"	108"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
54"		100.0	100.0	98.1	98.1	100.0	100.0	100.0	100.0
60"		100.0	100.0	87.2	87.2	100.0	100.0	100.0	100.0
66"		100.0	100.0	78.5	78.5	97.7	97.4	100.0	100.0
72"		100.0	100.0	78.5	78.5	97.7	97.4	100.0	100.0
30"	114"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	95.3	95.3	100.0	100.0	100.0	100.0
54"		100.0	100.0	83.4	83.4	100.0	100.0	100.0	100.0
60"		100.0	100.0	74.2	74.2	89.5	89.5	100.0	100.0
66"		100.0	100.0	66.7	66.7	80.6	80.6	94.4	94.4
72"		100.0	100.0	66.7	66.7	80.6	80.6	94.4	94.4
30"	120"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	95.4	95.4	100.0	100.0	100.0	100.0
42"		100.0	100.0	81.7	81.7	98.7	98.7	100.0	100.0
48"		100.0	100.0	71.5	71.5	86.3	86.3	100.0	100.0
54"		100.0	100.0	63.6	63.6	76.7	76.7	89.9	89.9
60"		100.0	100.0	63.6	63.6	76.7	76.7	89.9	89.9
66"		98.3	98.3	57.2	57.2	69.1	69.1	80.9	80.9
72"		98.3	98.3	57.2	57.2	69.1	69.1	80.9	80.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



VALUES SHOWN IN CHART APPLY TO BOTH STRUCTURAL GLAZED OPTION (SHOWN), AS WELL CAPTURED GLAZED OPTION APPLICATIONS.

MULLION

Revision:

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

REGISTRATION #29296

10/03/2022

Rev. A

WVN2500FPA - SMI

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

SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)

JAMB & MULLION LOAD CAPACITIES

SERIES 2500

Drawn By A.M.

10/03/2022

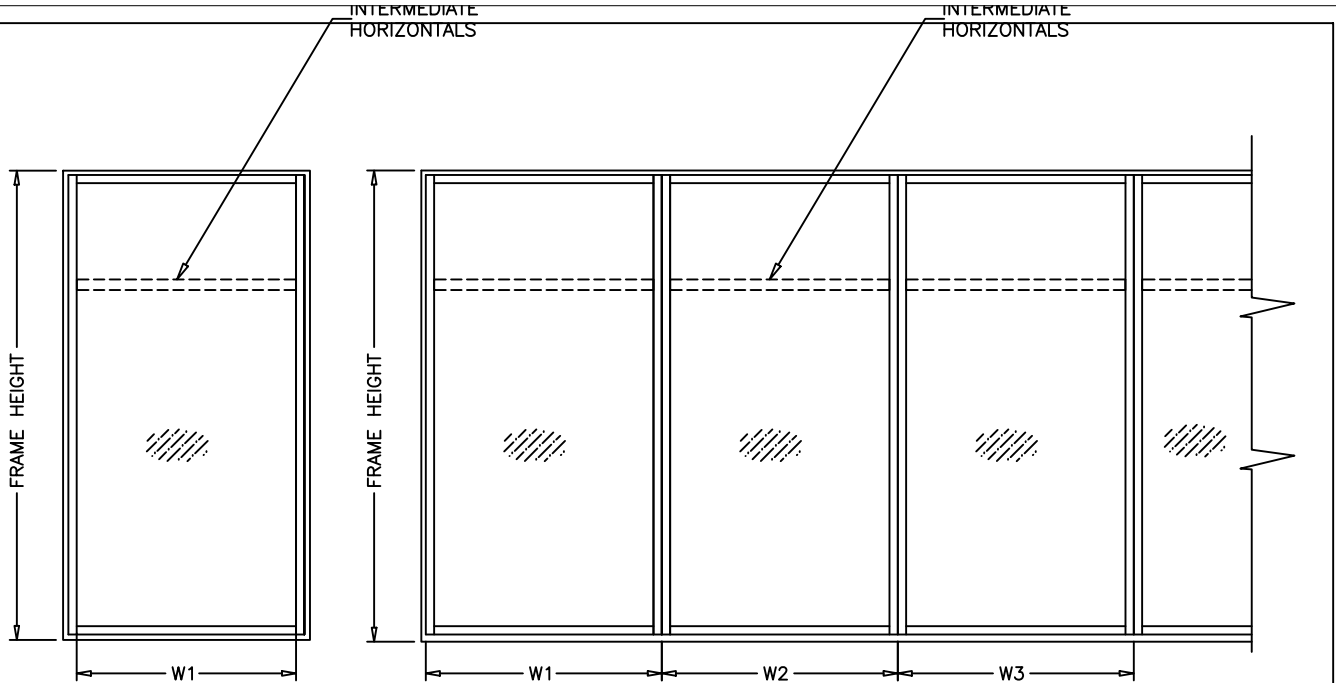
7 OF 17

Sheet

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/7/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

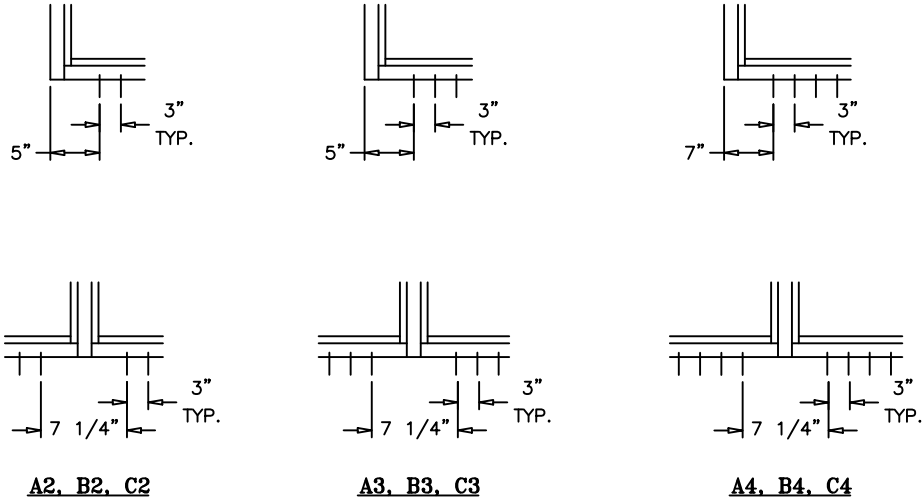
ANCHOR LOAD CAPACITY – PSF POS.(+) & NEG.(-)										
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'			ANCHOR TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	B4	C2	C3	C4
30"	84"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		87.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		76.9	100.0	100.0	94.3	100.0	100.0	100.0	100.0	100.0
54"		68.3	100.0	100.0	83.8	100.0	100.0	100.0	100.0	100.0
60"		61.5	92.2	100.0	75.4	100.0	100.0	91.0	100.0	100.0
66"		56.0	83.8	100.0	68.6	100.0	100.0	82.7	100.0	100.0
72"		51.2	76.9	100.0	62.9	94.3	100.0	75.8	100.0	100.0
30"	90"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		95.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48"		71.7	100.0	100.0	88.0	100.0	100.0	100.0	100.0	100.0
54"		63.8	95.6	100.0	78.2	100.0	100.0	94.3	100.0	100.0
60"		57.4	86.1	100.0	70.4	100.0	100.0	84.9	100.0	100.0
66"		52.2	78.3	100.0	64.0	96.0	100.0	77.2	100.0	100.0
72"		47.8	71.7	95.6	58.7	88.0	100.0	70.8	100.0	100.0
30"	96"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		89.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		76.9	100.0	100.0	94.3	100.0	100.0	100.0	100.0	100.0
48"		67.3	100.0	100.0	82.5	100.0	100.0	99.5	100.0	100.0
54"		59.8	89.7	100.0	73.3	100.0	100.0	88.4	100.0	100.0
60"		53.8	80.7	100.0	66.0	99.0	100.0	79.6	100.0	100.0
66"		48.9	73.4	97.8	60.0	90.0	100.0	724.0	100.0	100.0
72"		44.8	67.3	89.7	55.0	82.5	100.0	66.3	100.0	100.0
30"	102"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		84.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
42"		72.3	100.0	100.0	88.7	100.0	100.0	100.0	100.0	100.0
48"		63.3	94.9	100.0	77.6	100.0	100.0	93.6	100.0	100.0
54"		56.3	84.4	100.0	69.0	100.0	100.0	83.2	100.0	100.0
60"		50.6	76.0	100.0	62.1	93.2	100.0	74.9	100.0	100.0
66"		46.0	69.0	92.1	56.5	84.7	100.0	68.1	100.0	100.0
30"	108"	95.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		79.7	100.0	100.0	97.8	100.0	100.0	100.0	100.0	100.0
42"		68.3	100.0	100.0	83.8	100.0	100.0	100.0	100.0	100.0
48"		59.8	89.7	100.0	73.3	100.0	100.0	84.4	100.0	100.0
54"		53.1	79.7	100.0	65.2	97.8	100.0	78.8	100.0	100.0
60"		47.8	71.7	85.6	58.7	88.0	100.0	70.8	100.0	100.0
66"		43.5	65.2	86.9	53.3	80.0	100.0	64.3	96.5	100.0
30"	114"	90.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		75.5	100.0	100.0	92.6	100.0	100.0	100.0	100.0	100.0
42"		64.7	97.1	100.0	79.4	100.0	100.0	95.8	100.0	100.0
48"		56.6	84.9	100.0	69.5	100.0	100.0	83.8	100.0	100.0
54"		50.3	75.5	100.0	61.8	92.6	100.0	74.5	100.0	100.0
60"		45.3	68.0	90.6	55.6	83.4	100.0	67.0	100.0	100.0
66"										
30"	120"	86.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36"		71.7	100.0	100.0	88.0	100.0	100.0	100.0	100.0	100.0
42"		61.5	92.2	100.0	75.4	100.0	100.0	91.0	100.0	100.0
48"		53.8	80.7	100.0	66.0	99.0	100.0	79.6	100.0	100.0
54"		47.8	71.7	95.6	58.7	88.0	100.0	70.8	100.0	100.0
60"		43.0	64.6	86.1	52.8	79.2	100.0	63.7	95.5	100.0
66"										

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



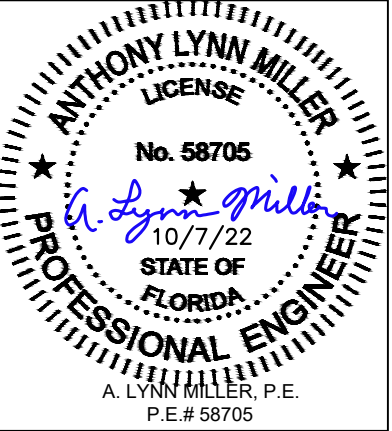
ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

- A3 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
- A4 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
- A5 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B5 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C5 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

ANCHORS

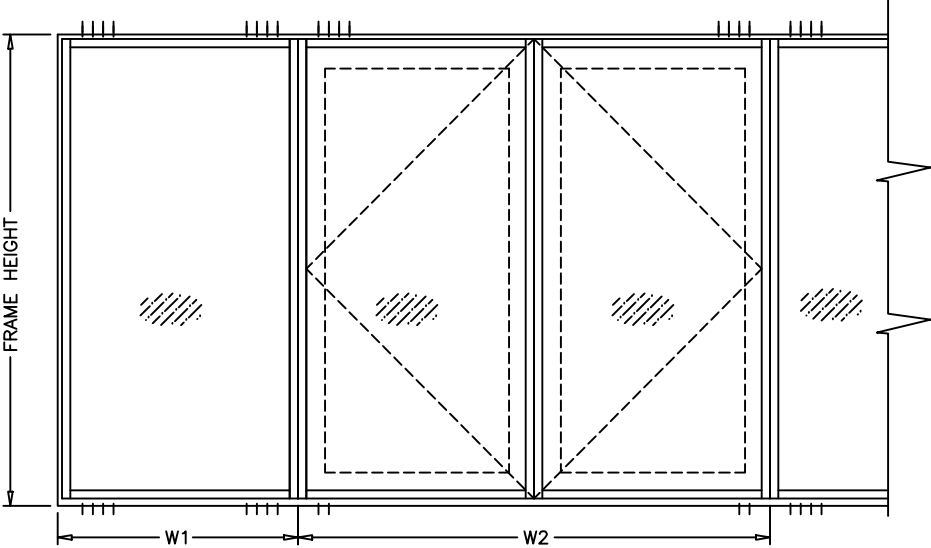
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		10/03/2022			
				Date	Rev.		
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902				A.M.			
				By	No.		
SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)				WWN2500FPA - SMI			
				DWG	A		
ANCHOR INFORMATION				8 OF 17			
SERIES 2500				Sheet			

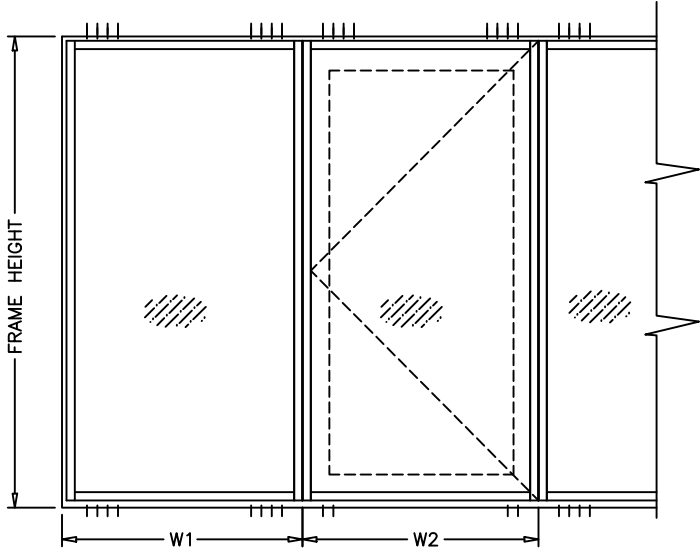


DOOR MULLION LOAD CAPACITY – PSF					
NOMINAL DIMS.		DOOR MULL 'DM2'		DOOR MULL 'DM3'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0
30"	90"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0
30"	96"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0
30"	102"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		100.0	100.0	100.0	100.0
72"		100.0	100.0	100.0	100.0
30"	108"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0
54"		100.0	100.0	100.0	100.0
60"		100.0	100.0	100.0	100.0
66"		94.7	94.7	100.0	100.0
72"		94.7	94.7	100.0	100.0
30"	114"	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0
48"		97.0	97.0	100.0	100.0
54"		90.8	90.8	100.0	100.0
60"		85.4	85.4	100.0	100.0
66"		85.4	85.4	100.0	100.0
72"		85.4	85.4	100.0	100.0
30"	120"	100.0	100.0	100.0	100.0
36"		96.3	96.2	100.0	100.0
42"		89.3	89.3	100.0	100.0
48"		83.2	83.2	99.3	99.3
54"		77.9	77.9	93.0	93.0
60"		73.2	73.2	87.4	87.4
66"		73.2	73.2	87.4	87.4
72"		73.2	73.2	87.4	87.4

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

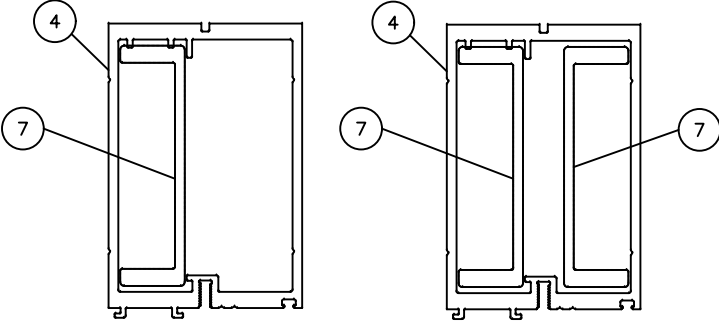


WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$



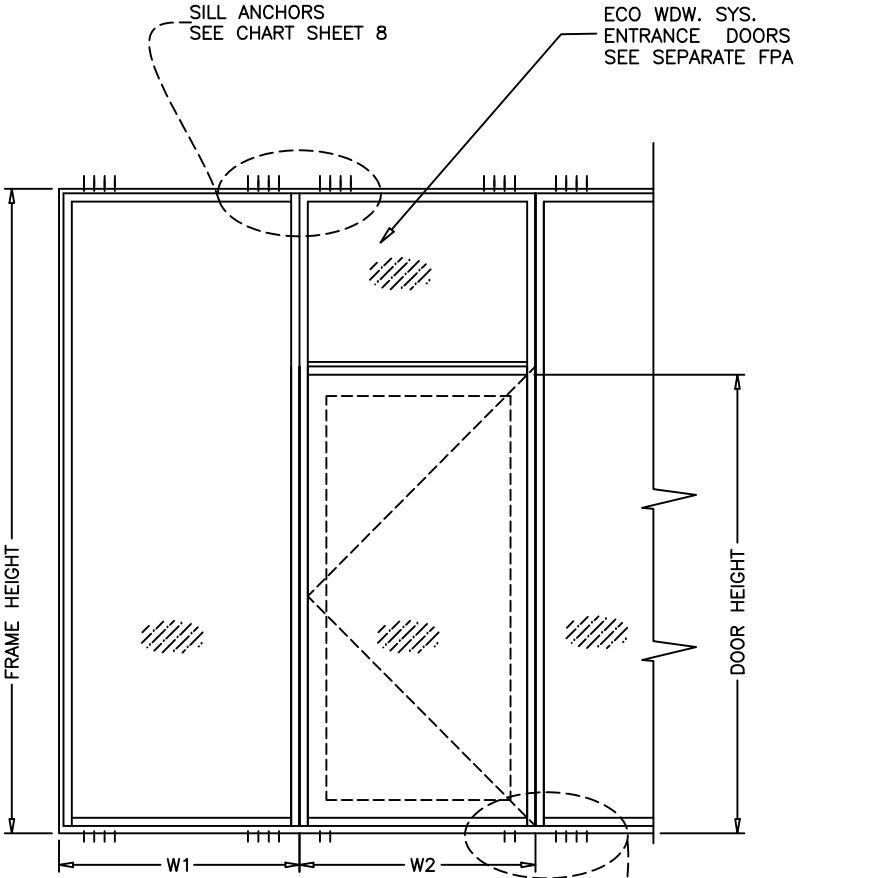
WIDTH (W) = $\frac{W1 + W2}{2}$

VALUES SHOWN IN CHART APPLY TO BOTH STRUCTURAL GLAZED OPTION (SHOWN), AS WELL CAPTURED GLAZED OPTION APPLICATIONS.



MULLION 'DM2'

MULLION 'DM3'



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

SILL ANCHORS
SEE CHART SHEET 8

DOOR MULLION

Revision:

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

REGISTRATION #29296

ECO window systems
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TEL. (305) 885-5299 FAX. (305) 885-5902

SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)

10/03/2022

Date

A.M.

By

WWN2500FPA - SMI

Rev.

9 OF 17

Sheet

SERIES 2500

Desc.

CORNER ASSEMBLY DETAILS

Title

ANTHONY LYNN MILLER

LICENSE

No. 58705

10/7/22

STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.
P.E.# 58705

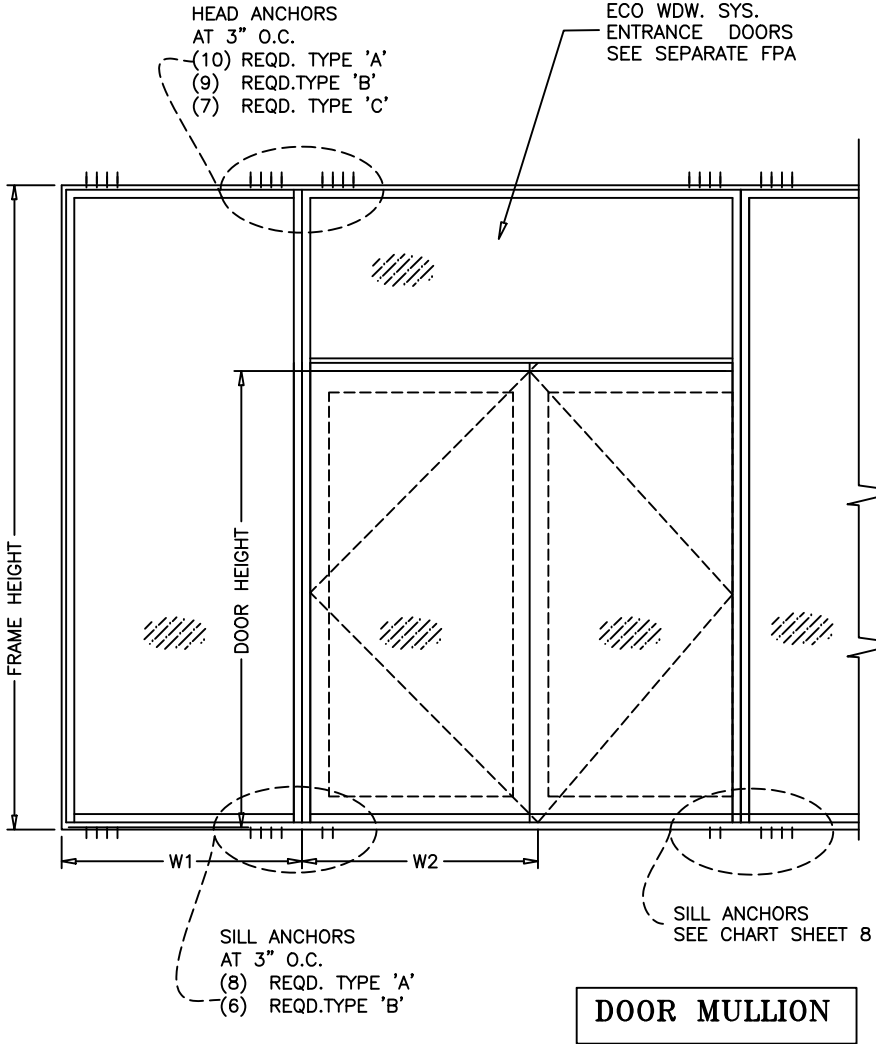
DOOR MULLION LOAD CAPACITY – PSF							
NOMINAL DIMS.				DOOR MULL ‘DM2’		DOOR MULL ‘DM3’	
WIDTH (W1)	WIDTH (W2)	FRAME HIEGHT	DOOR HIEGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
76"	30"	102"	84"	100.0	100.0	100.0	100.0
	36"			100.0	100.0	100.0	100.0
	42"			100.0	100.0	100.0	100.0
	48"			100.0	100.0	100.0	100.0
	54"			100.0	100.0	100.0	100.0
	60"			100.0	100.0	100.0	100.0
	66"			100.0	100.0	100.0	100.0
	30"	108"		100.0	100.0	100.0	100.0
	36"			100.0	100.0	100.0	100.0
	42"			100.0	100.0	100.0	100.0
	48"			100.0	100.0	100.0	100.0
	54"			94.4	94.4	100.0	100.0
	60"			89.4	89.4	100.0	100.0
	66"			84.9	84.9	100.0	100.0
	30"	114"		99.1	99.1	100.0	100.0
	36"			92.7	92.7	100.0	100.0
	42"			87.0	87.0	100.0	100.0
	48"			82.0	82.0	97.9	97.9
	54"			77.6	77.6	92.6	92.6
	60"			73.6	73.6	87.8	87.8
	30"	120"		82.0	82.0	97.9	97.9
	36"			76.8	76.8	91.7	91.7
	42"			72.3	72.3	86.3	86.3
	48"			68.2	68.2	81.5	81.5
	54"			64.6	64.6	77.2	77.2
	60"			63.7	63.7	76.1	76.1
76"	30"	102"	90"	100.0	100.0	100.0	100.0
	36"			100.0	100.0	100.0	100.0
	42"			100.0	100.0	100.0	100.0
	48"			100.0	100.0	100.0	100.0
	54"			100.0	100.0	100.0	100.0
	60"			100.0	100.0	100.0	100.0
	66"			100.0	100.0	100.0	100.0
	30"	108"		100.0	100.0	100.0	100.0
	36"			100.0	100.0	100.0	100.0
	42"			100.0	100.0	100.0	100.0
	48"			100.0	100.0	100.0	100.0
	54"			99.2	99.2	100.0	100.0
	60"			93.7	93.7	100.0	100.0
	66"			88.7	88.7	100.0	100.0
	30"	114"		100.0	100.0	100.0	100.0
	36"			97.8	97.8	100.0	100.0
	42"			91.5	91.5	100.0	100.0
	48"			86.0	86.0	100.0	100.0
	54"			81.1	81.1	96.9	96.9
	60"			76.8	76.8	91.7	91.7
	30"	120"		86.2	86.2	100.0	100.0
	36"			80.5	80.5	96.1	96.1
	42"			75.5	75.5	90.2	90.2
	48"			71.1	71.1	84.9	84.9
	54"			67.2	67.2	80.3	80.3
	60"			63.7	63.7	76.1	76.1

DOOR MULLION LOAD CAPACITY – PSF										
NOMINAL DIMS.				DOOR MULL ‘DM2’		DOOR MULL ‘DM3’				
WIDTH (W1)	WIDTH (W2)	FRAME HIEGHT	DOOR HIEGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)			
76"	30"	102"	96"	100.0	100.0	100.0	100.0			
	36"			100.0	100.0	100.0	100.0			
	42"			100.0	100.0	100.0	100.0			
	48"			100.0	100.0	100.0	100.0			
	54"			100.0	100.0	100.0	100.0			
	60"			100.0	100.0	100.0	100.0			
	66"			100.0	100.0	100.0	100.0			
	30"			108"	100.0	100.0	100.0	100.0		
	36"	100.0			100.0	100.0	100.0			
	42"	100.0			100.0	100.0	100.0			
	48"	100.0			100.0	100.0	100.0			
	54"	100.0			100.0	100.0	100.0			
	60"	97.9			97.9	100.0	100.0			
	66"	92.5			92.5	100.0	100.0			
	30"	114"			100.0	100.0	100.0	100.0		
	36"			100.0	100.0	100.0	100.0			
	42"			96.6	96.6	100.0	100.0			
	48"			90.4	90.4	100.0	100.0			
	54"			85.0	85.0	100.0	100.0			
	60"			80.3	80.3	95.8	95.8			
	30"			120"	91.2	91.2	100.0	100.0		
	36"				84.8	84.8	100.0	100.0		
	42"	79.3			79.3	94.7	94.7			
	48"	74.5			74.5	89.0	89.0			
	54"	0.2			0.2	83.9	83.9			
	60"	66.4			66.4	79.3	79.3			
	76"	30"			108"	102"	100.0	100.0	100.0	100.0
		36"					100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0			100.0			
48"		100.0	100.0	100.0			100.0			
54"		100.0	100.0	100.0			100.0			
60"		100.0	100.0	100.0			100.0			
66"		95.5	95.5	100.0			100.0			
30"		114"	100.0	100.0			100.0	100.0		
36"			100.0	100.0	100.0		100.0			
42"			100.0	100.0	100.0		100.0			
48"			94.7	94.7	100.0		100.0			
54"			88.8	88.8	100.0		100.0			
60"			83.6	83.6	99.9		99.9			
30"		120"	96.6	96.6	100.0		100.0			
36"			89.5	89.5	100.0		100.0			
42"			83.4	83.4	99.6		99.6			
48"			78.1	78.1	93.3		93.3			
54"			73.4	73.4	87.7		87.7			
60"			69.3	69.3	82.7		82.7			

VALUES SHOWN IN CHART APPLY TO BOTH STRUCTURAL GLAZED OPTION (SHOWN), AS WELL CAPTURED GLAZED OPTION APPLICATIONS.

DOOR MULLION LOAD CAPACITY – PSF							
NOMINAL DIMS.				DOOR MULL 'DM2'		DOOR MULL 'DM3'	
WIDTH (W1)	WIDTH (W2)	FRAME HIEGHT	DOOR HIEGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
76"	30"	114"	108"	100.0	100.0	100.0	100.0
	36"			100.0	100.0	100.0	100.0
	42"			100.0	100.0	100.0	100.0
	48"			98.1	98.1	100.0	100.0
	54"			91.8	91.8	100.0	100.0
	60"			86.2	86.2	100.0	100.0
	30"	120"		100.0	100.0	100.0	100.0
	36"			94.1	94.1	100.0	100.0
	42"			87.4	87.4	100.0	100.0
	48"			81.6	81.6	97.4	97.4
	54"			76.5	76.5	91.3	91.3
	60"			72.0	72.0	85.9	85.9
	76"	30"		120"	102"	100.0	100.0
36"		97.7	97.7			100.0	100.0
42"		90.5	90.5			100.0	100.0
48"		84.2	84.2			100.0	100.0
54"		78.8	78.8			94.1	94.1
60"		74.0	74.0			88.4	88.4

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



Revision:

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

REGISTRATION #29296

10/03/2022

By: A.M.

JAMB AND MULLION CHART CONT.

SERIES 2500

10 OF 17

WVN2500FPA - SMI

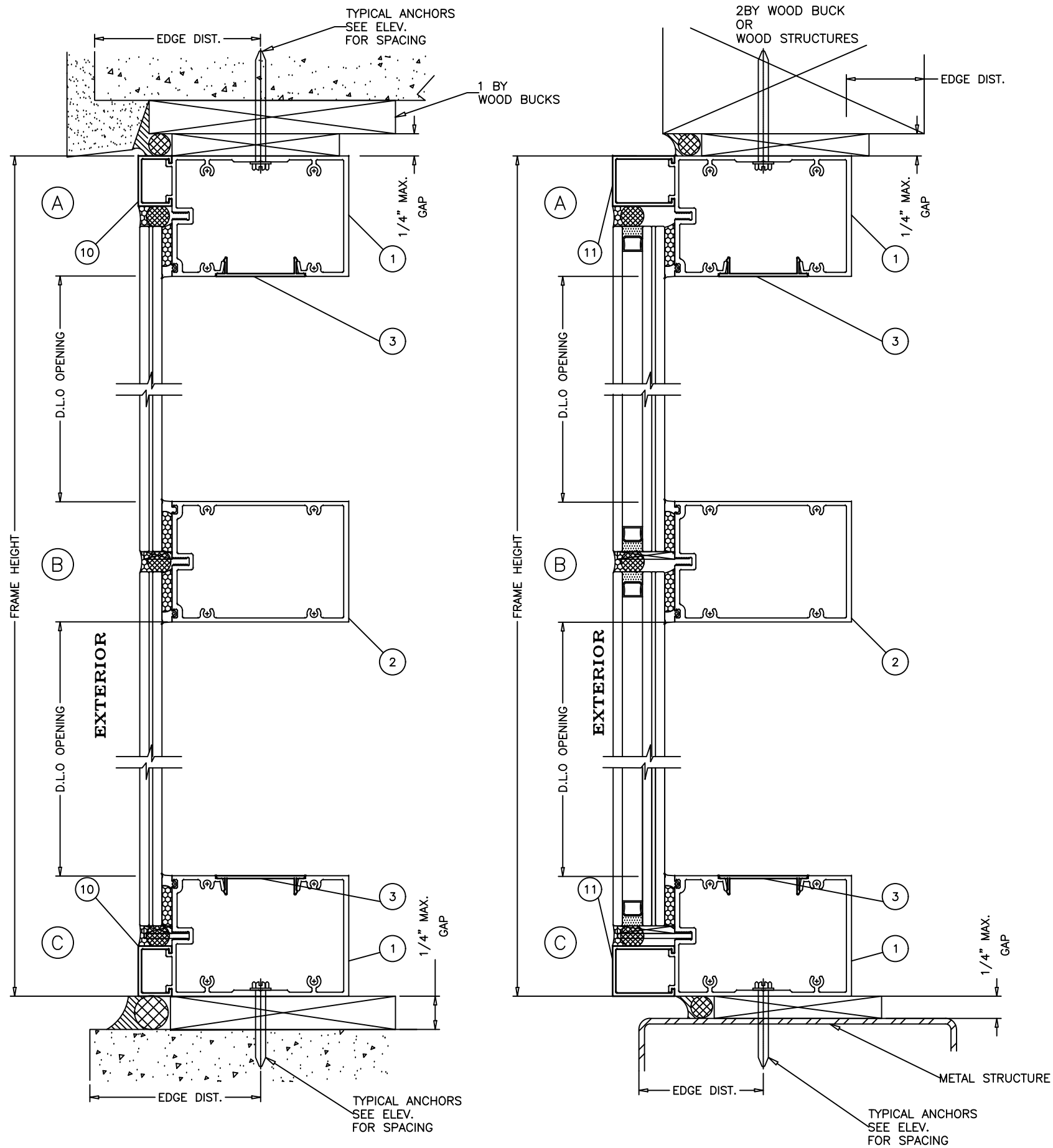
A

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

SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)

Series Desc. Title

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/7/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



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

TYPE 'A'
 1/4" DIA ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (HEAD/SILL/JAMBS)
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMB)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMB)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-5/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMB)
 1-3/4" MIN. EMBED INTO BLOCKS (JAMB)
ANCHOR EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

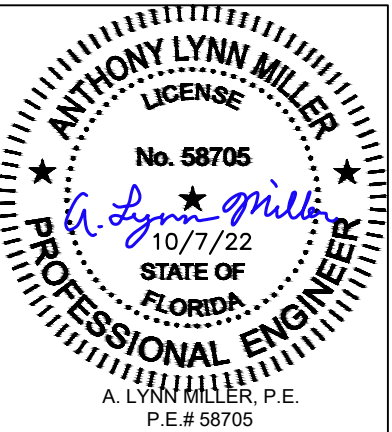
TYPE 'B'
 5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
 INTO WOOD STRUCTURES
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-7/8" MIN. EMBED INTO WOOD 9HEAD/SILL/JAMBS)
 THRU 1BY OR 2BY BUCKS INTO CONCRETE OR BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMB)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMB)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-5/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMB)
 1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMB)
ANCHOR EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 3-1/8" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.

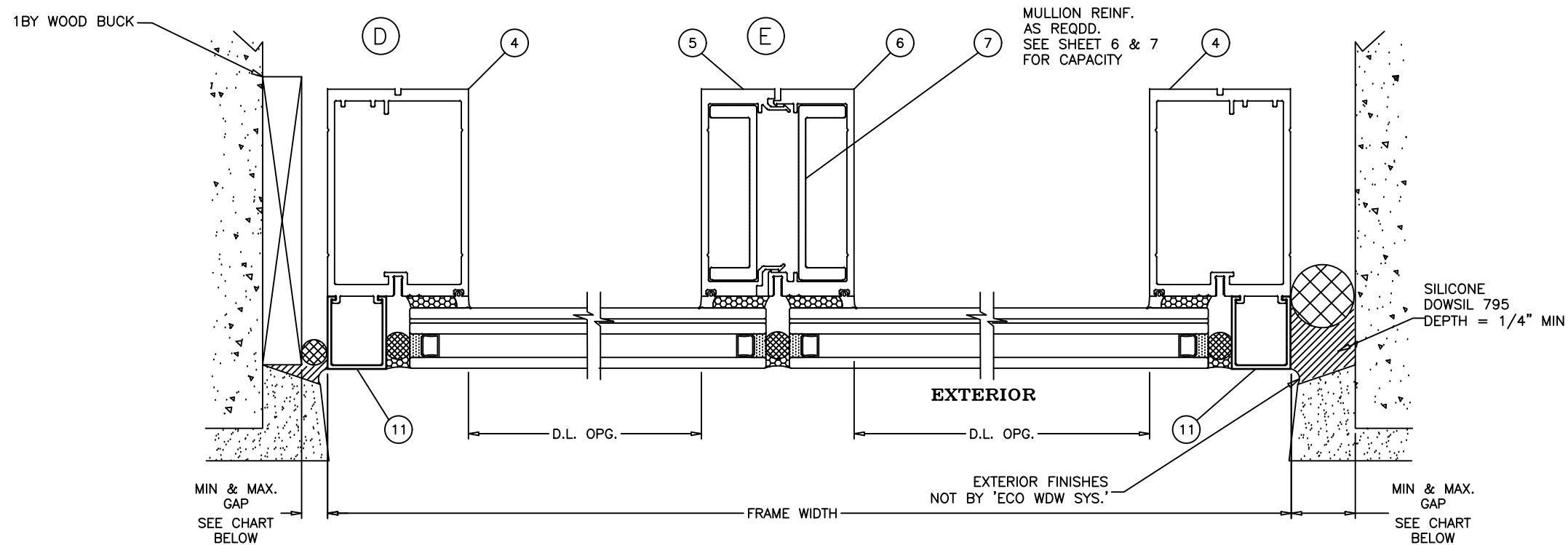
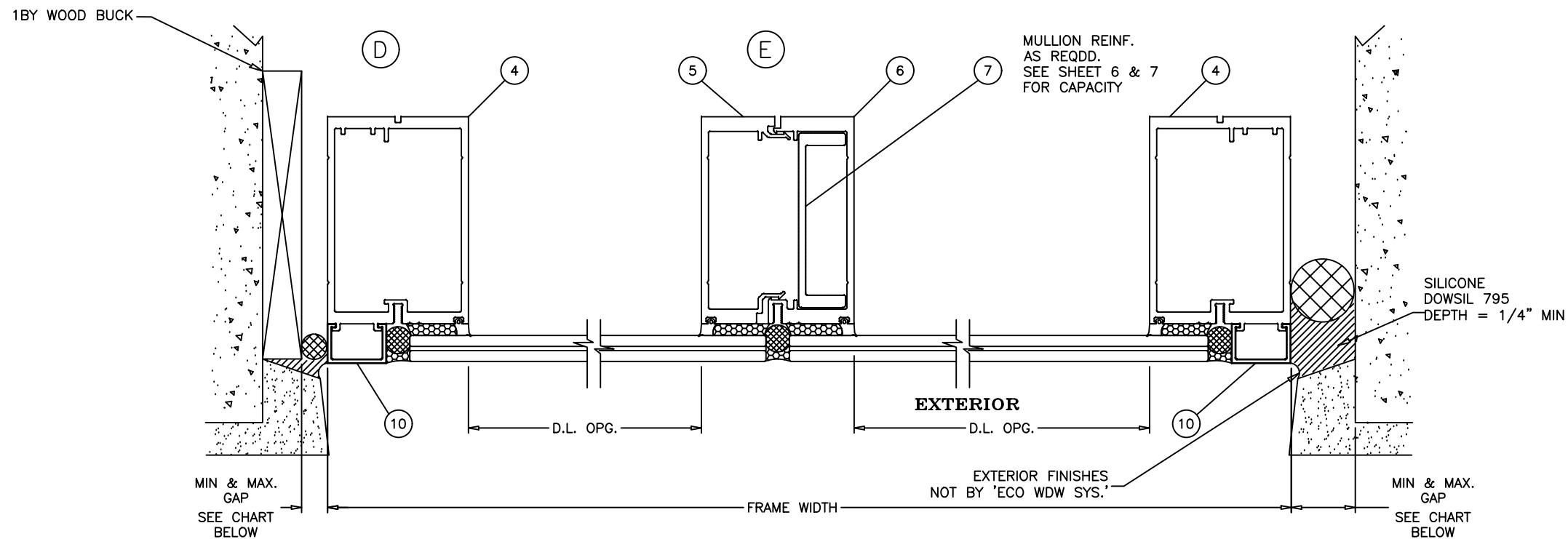
TYPE 'C'
 #14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)
 INTO FBC APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
 INTO METAL STRUCTURE = 1/2" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SSG SYSTEM

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		10/03/2022		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		By A.M.		WVN2500FPA - SMI	
window systems		VERTICAL SECTION DETAIL & ANCHOR SPECIFICATIONS		11 OF 17		Sheet	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500		DWG		Rev.	





NOTE:
MAX. MOVEMENT CONSIDERED = 100% STRETCH.

PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION FOR CAPABILITY OF SEALANT TO SUBSTRATE & WINDOW-WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY. REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANT AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDELINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORDS BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

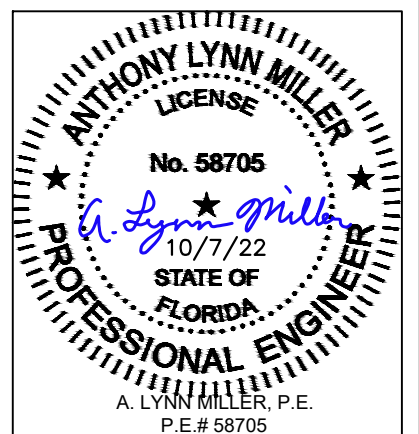
REFER TO SHEET 4 THRU 7 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UN-REINFORCED FRAMES.

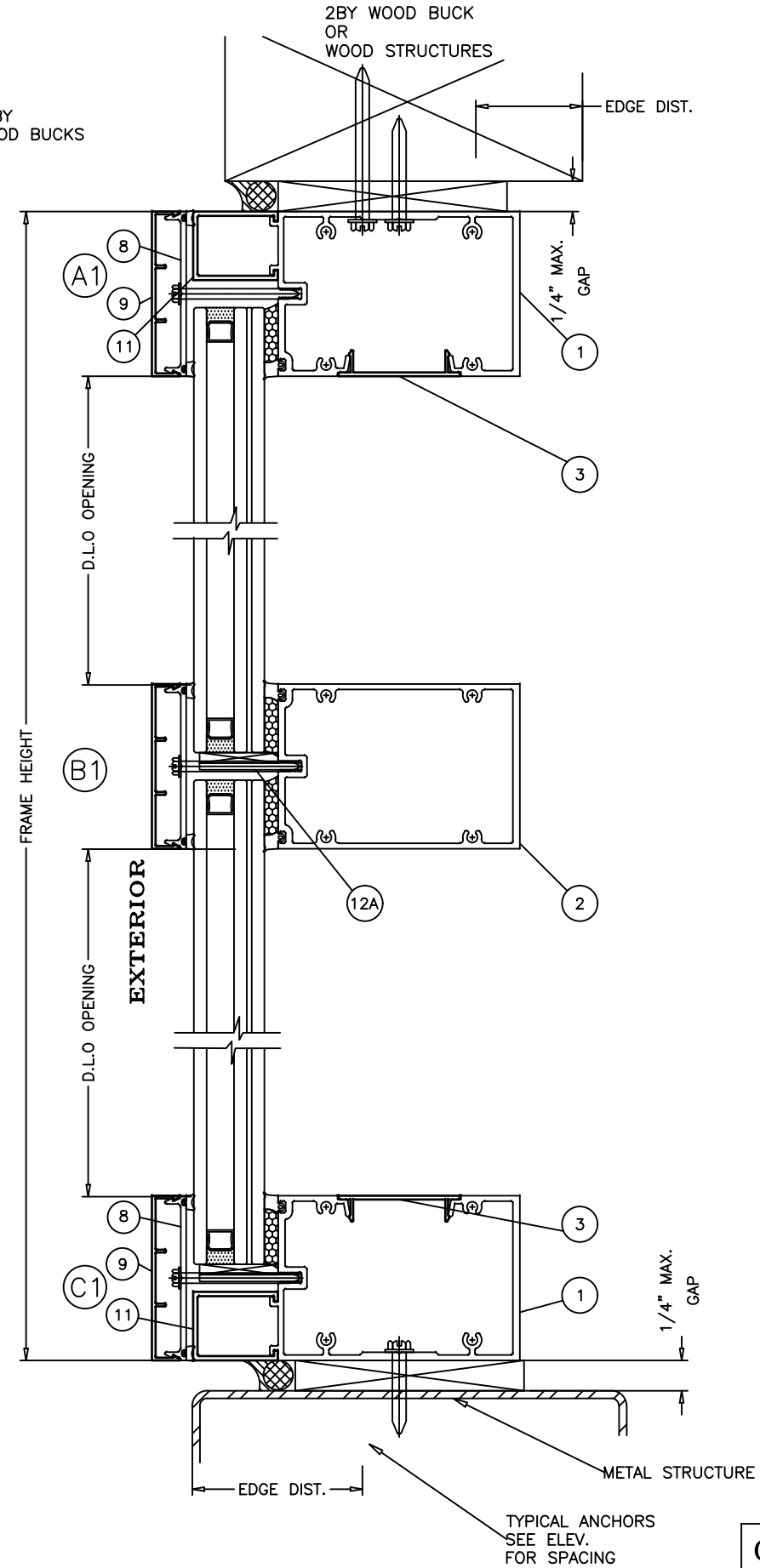
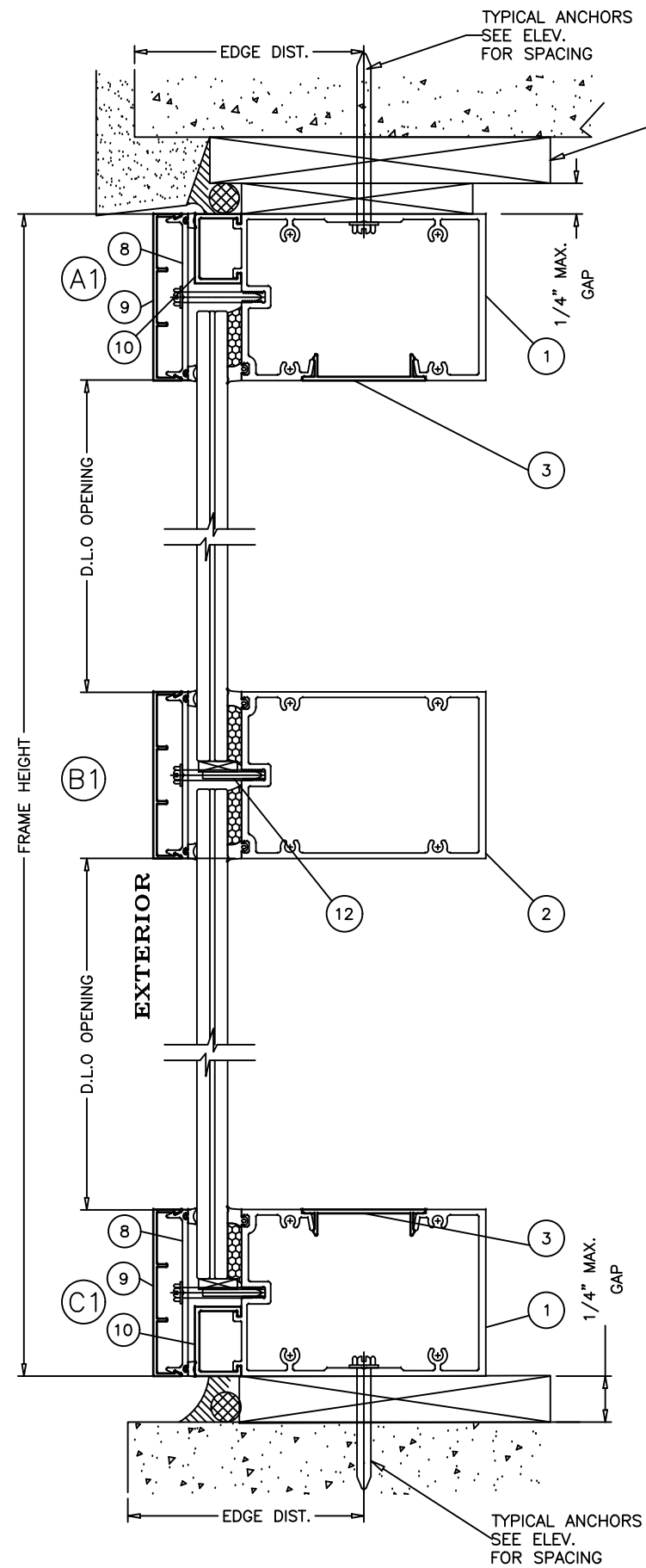
MAX. FRAME HEIGHT UP TO	GAPS FOR UNANCHORED JAMBS	
	MIN.	MAX.
108"	3/8"	1"
120"	7/16"	1"

SSG SYSTEM

Revision:

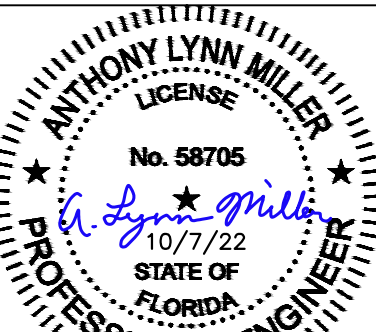
 window systems ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296	
	SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)			Date	10/03/2022
	HORIZONTAL SECTION DETAIL & ANCHOR SPECIFICATIONS			Drawn By	A.M.
	SERIES 2500			DWG No.	WWVN2500FPA - SMI
Series Desc.	12 OF 17		Sheet	Rev.	A





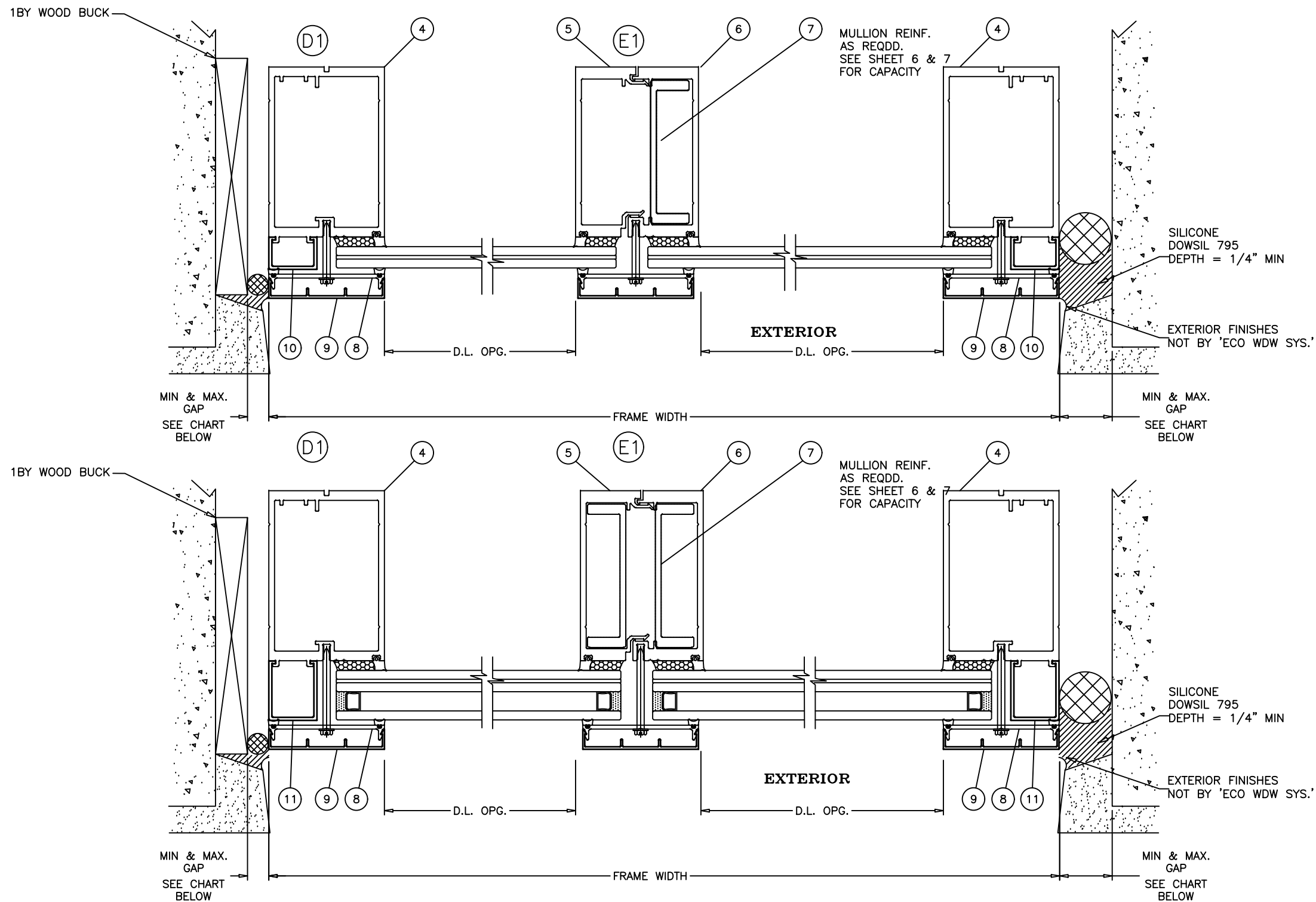
CAPTURED SYSTEM

 ECO window systems ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		REGISTRATION #29296	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		Date 10/03/2022	
Title SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		By A.M.	
Desc. VERTICAL SECTION DETAIL & ANCHOR SPECIFICATIONS			
Series	SHEET	DWG No.	Rev.
SERIES 2500	13 OF 17	WWN2500FPA - SMI	A



ANTHONY LYNN MILLER
LICENSE
No. 58705
10/7/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.
P.E.# 58705



NOTE:
MAX. MOVEMENT CONSIDERED = 100% STRETCH.

PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION FOR CAPABILITY OF SEALANT TO SUBSTRATE & WINDOW-WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY. REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANT AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDELINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORDS BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

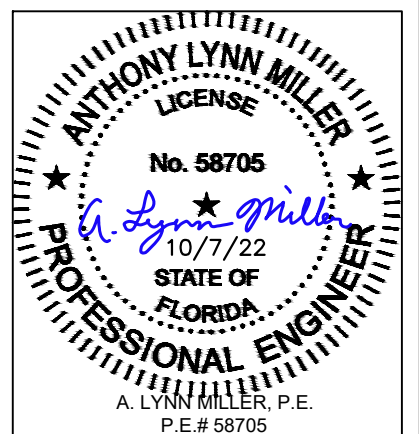
REFER TO SHEET 4 THRU 7 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UN-REINFORCED FRAMES.

MAX. FRAME HEIGHT UP TO	GAPS FOR UNANCHORED JAMBS	
	MIN.	MAX.
108"	3/8"	1"
120"	7/16"	1"

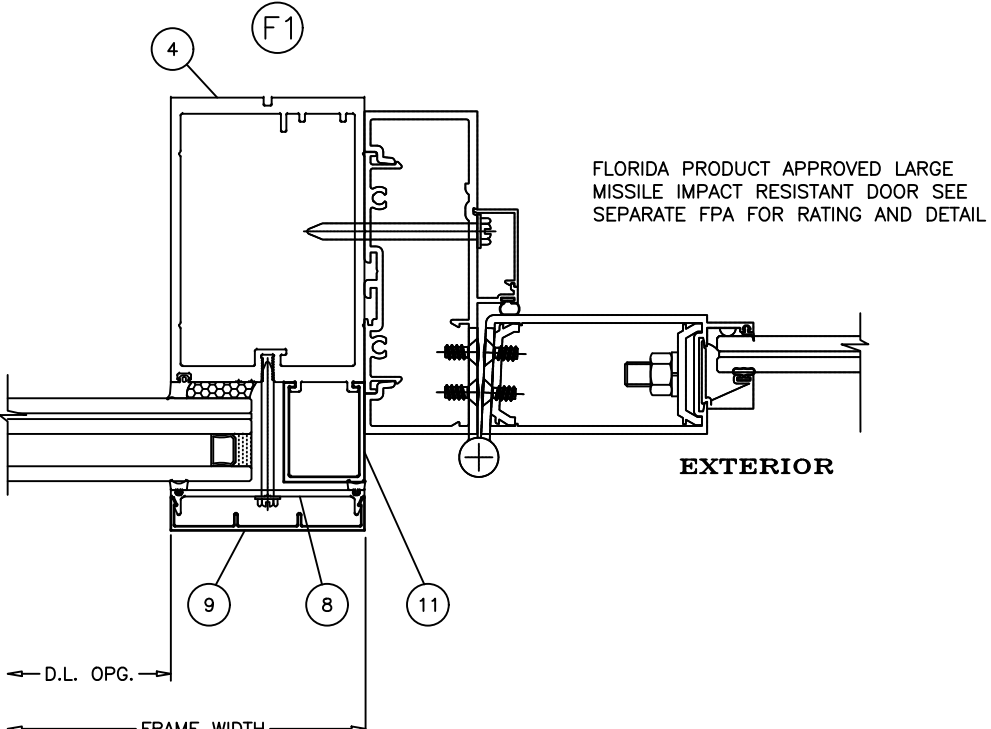
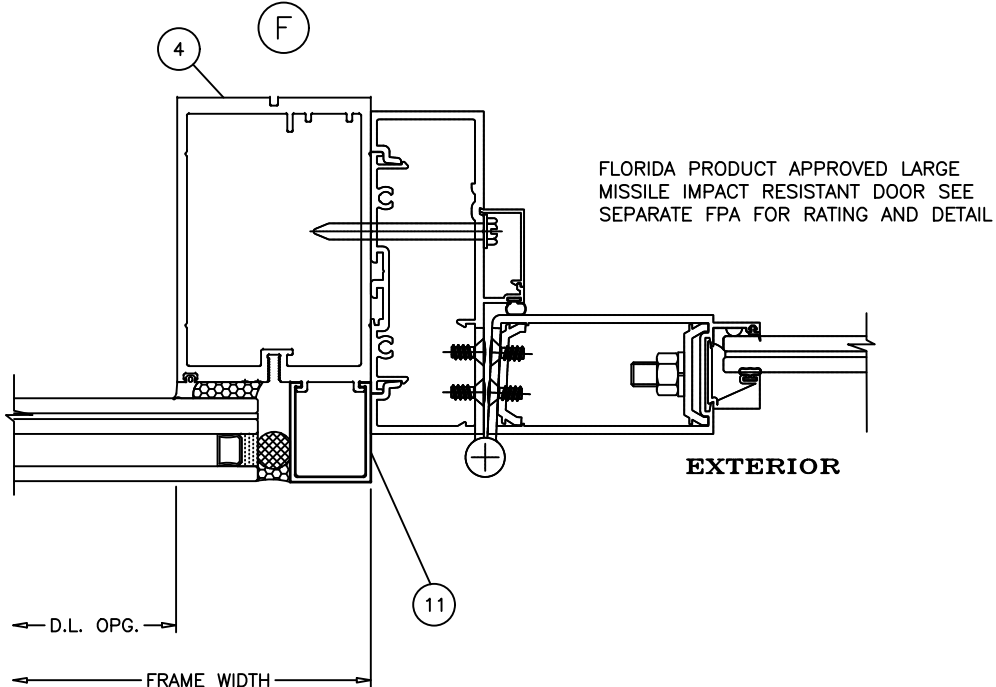
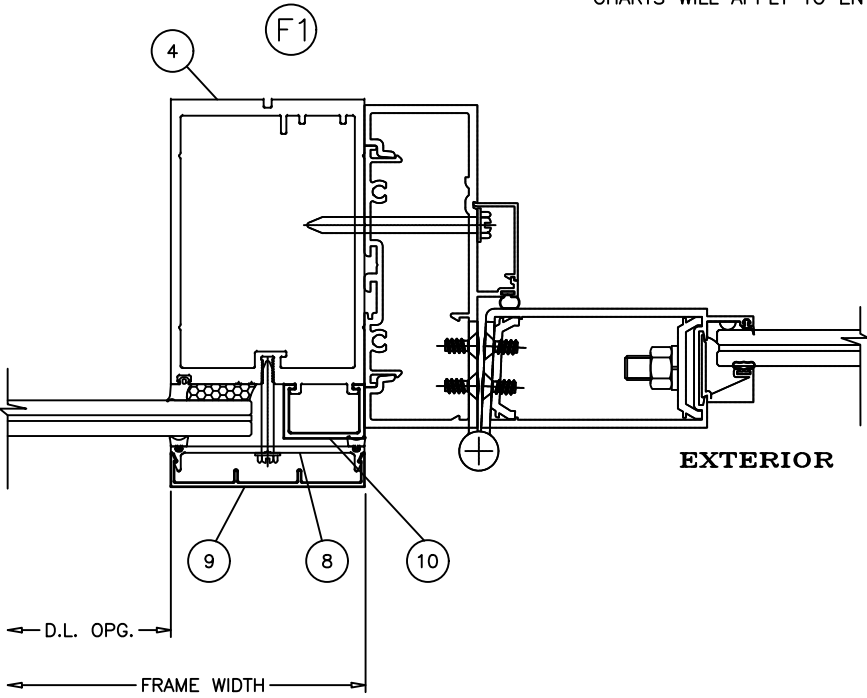
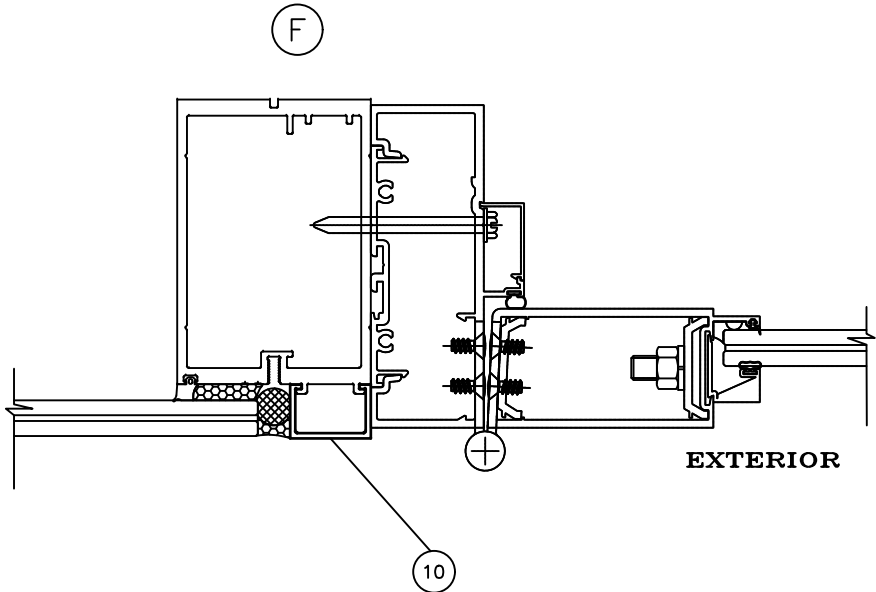
CAPTURED SYSTEM

Revision:

 ECO WINDOW SYSTEMS, L.L.C. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296	
	SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)			Date	10/03/2022
	HORIZONTAL SECTION DETAIL & ANCHOR SPECIFICATIONS			By A.M.	
	SERIES 2500			DWG No. WWN2500FPA - SMI	
Series Desc.	Sheet		14 OF 17		Rev. A

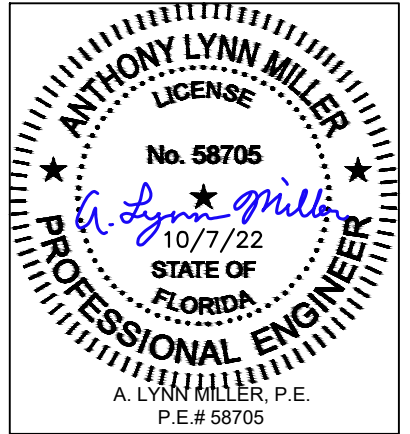


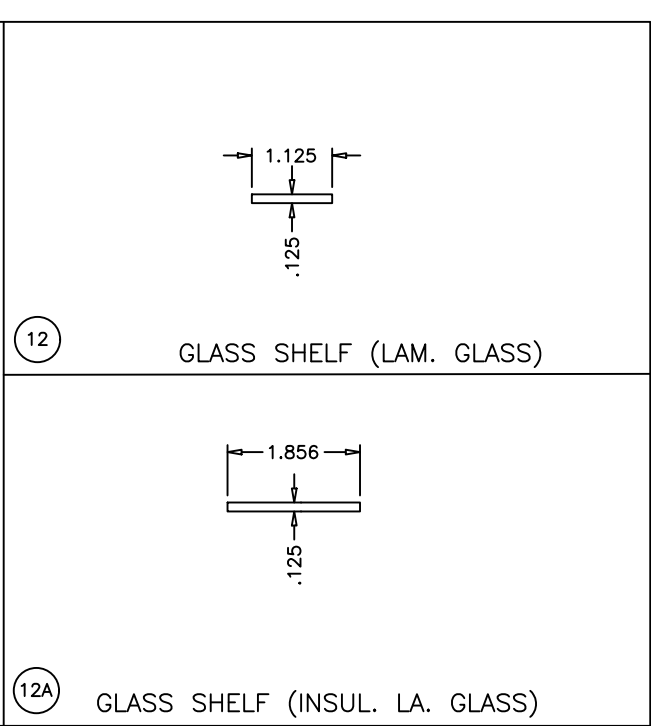
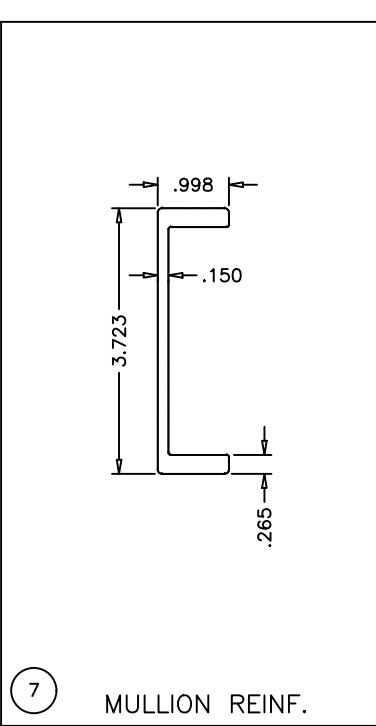
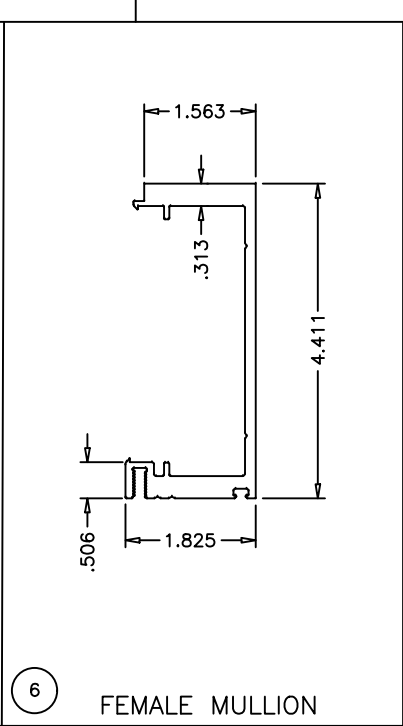
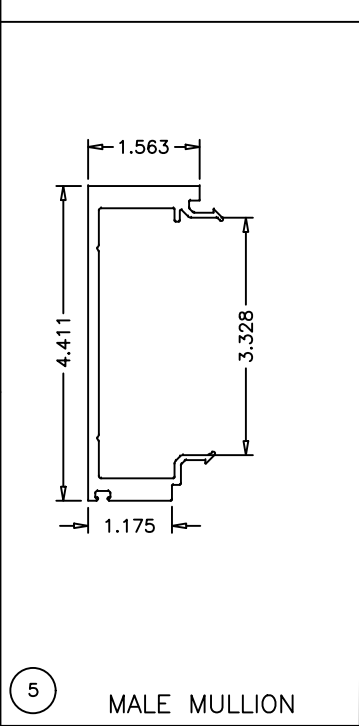
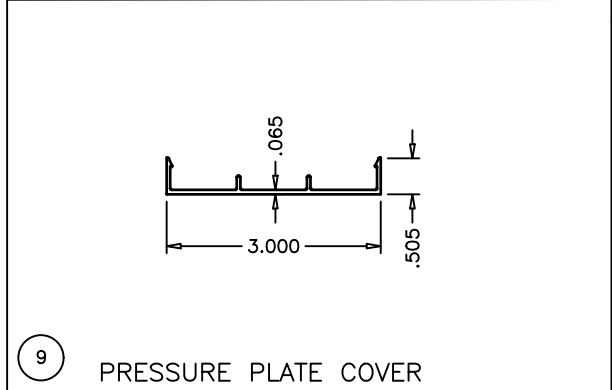
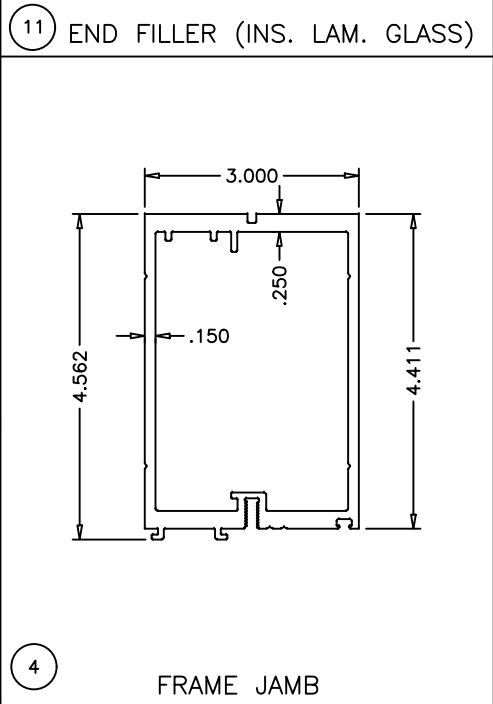
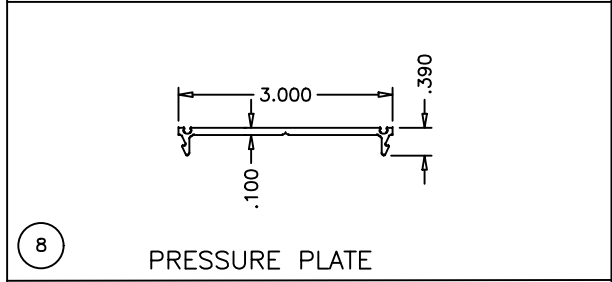
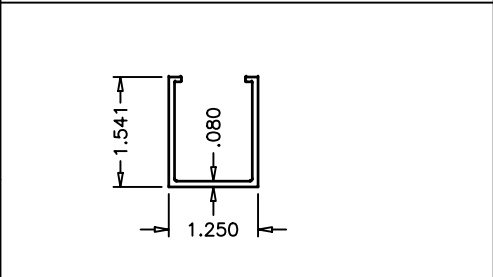
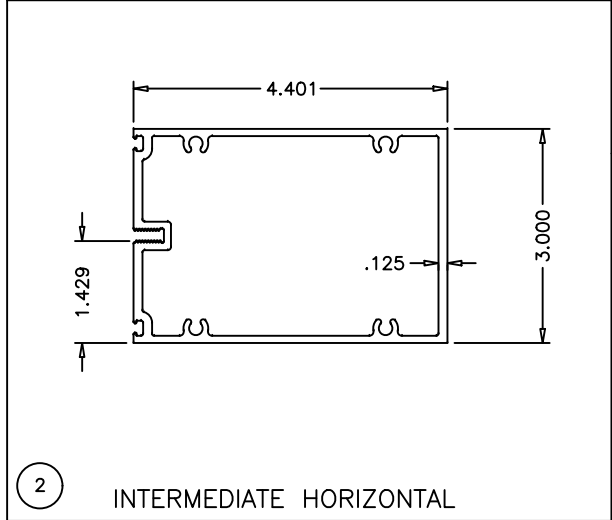
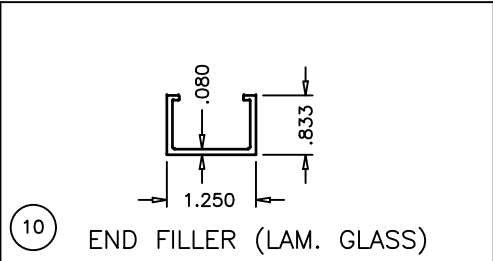
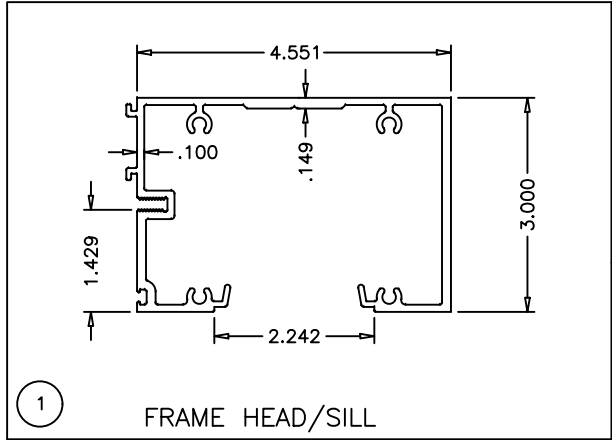
SEE SEPARATE FPA FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS.
LOWER VALUES FROM DOOR FPA OR WINDOW WALL SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.



DOOR MULLION

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		10/03/2022		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)		A.M.		WVN2500FPA - SMI	
window systems		DOOR MULLION DETAILS		15 OF 17		A	
ECO WINDOW SYSTEMS, LLC.		SERIES 2500		DWG		Rev.	
8502 N.W. 80th ST. MEDLEY, FL 33166		TITLE		No.		Date	
TEL. (305) 885-5299 FAX. (305) 885-5902		Series		Desc.		Title	





ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2501	AS REQD.	TOP & BOTTOM HORIZONTAL	6063-T6	-
2	2505	AS REQD.	INTERMEDIATE HORIZONTAL	6063-T6	-
3	2507	AS REQD.	FRAME COVER	6063-T6	-
4	2504	AS REQD.	FRAME JAMB	6063-T6	-
5	2502	AS REQD.	MALE MULLION	6063-T6	-
6	2503	AS REQD.	FEMALE MULLION	6063-T6	-
7	2506	AS REQD.	MULLION REINF.	6063-T6	-
8	2509	AS REQD.	PRESSURE PLATE	6063-T5	-
9	2508	AS REQD.	PRESSURE PLATE COVER	6063-T5	-
10	2510	AS REQD.	END FILLER (LAM. GLASS)	6063-T5	-
11	2511	AS REQD.	END FILLER (INSUL. LAM. GLASS)	6063-T5	-
12	-	AS REQD.	GLASS SHELF (LAM. GLASS)	6063-T5	-
12A	-	AS REQD.	GLASS SHELF (INSUL. LAM. GLASS)	6063-T5	-
13	GN-02	4/ LITE	EXTERIOR GLAZING GASKET	EPDM	DUROMETER 80±5 SHORE A
14	GN-01	4/ LITE	INTERIOR GLAZING GASKET	EPDM	DUROMETER 80±5 SHORE A
15	-	2/ LITE.	SETTING BLOCK, AT 1/4 POINTS (LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
15A	-	2/ LITE	SETTING BLOCK, AT 1/4 POINTS (INS. LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
16	#10-24 X 1-3/8"	AS REQD.	PRESSURE PLATE FASTENER	ST/ST	-
16A	#10-24 X 2-1/8"	AS REQD.	PRESSURE PLATE FASTENER	ST/ST	-
17	#12 X 1-1/4"	AS REQD.	ASSEMBLY FASTENERS	ST/ST	HEX HEAD SMS
18	-	-	-	-	-

Revision:

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

REGISTRATION #29296

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



SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)

10/03/2022

10/03/2022

A.M.

WVN2500FPA - SMI

16 OF 17

SERIES 2500

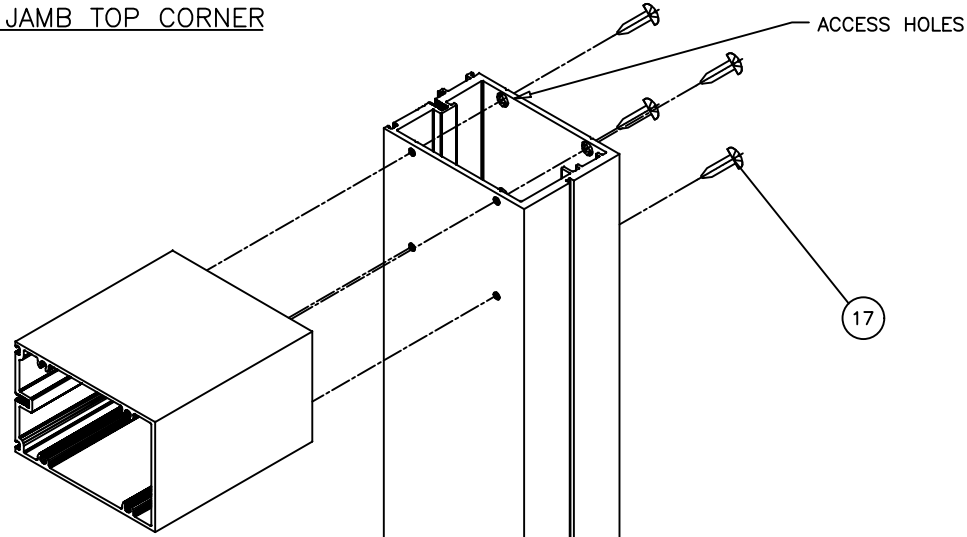
Rev.

DWG

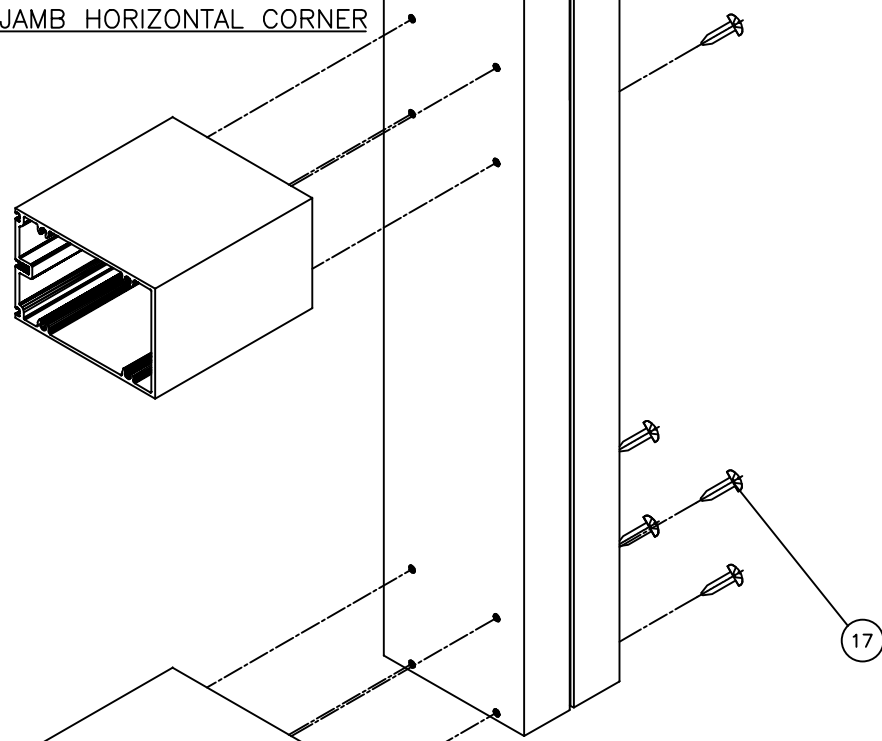
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ANTHONY LYNN MILLER
LICENSE
No. 58705
10/7/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

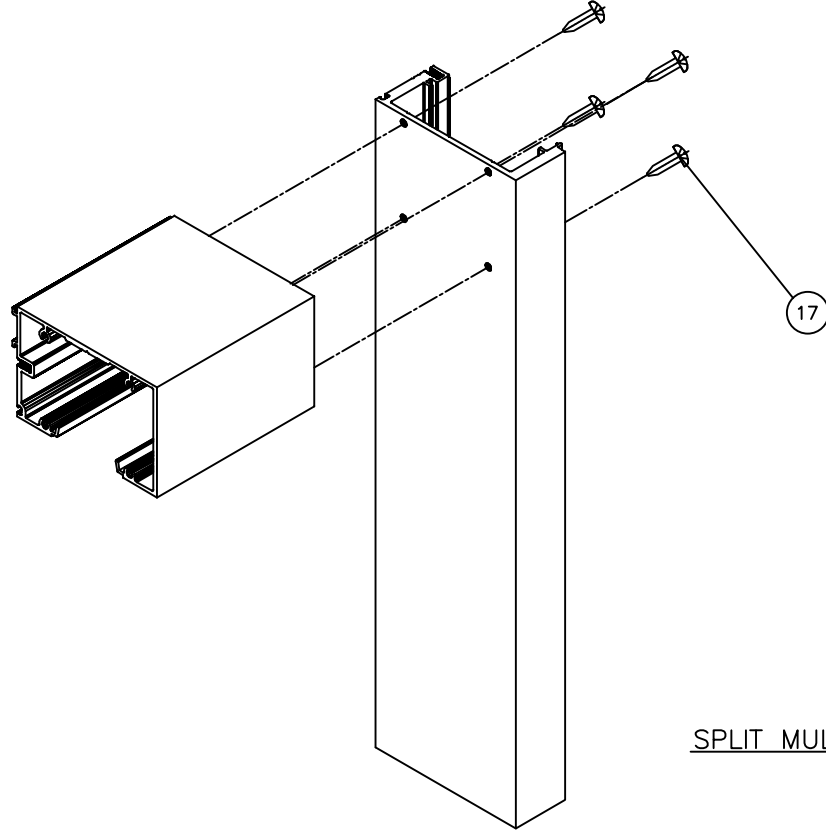
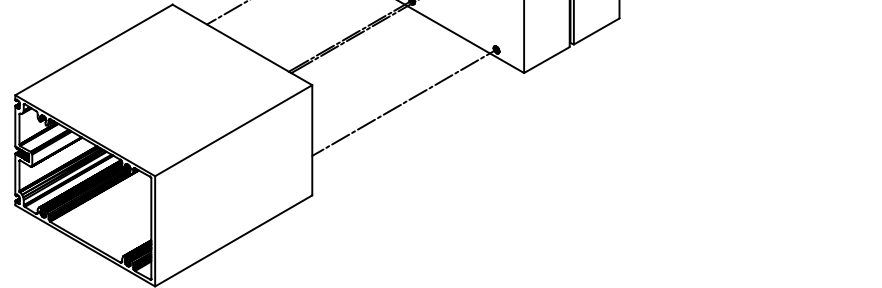
FRAME JAMB TOP CORNER



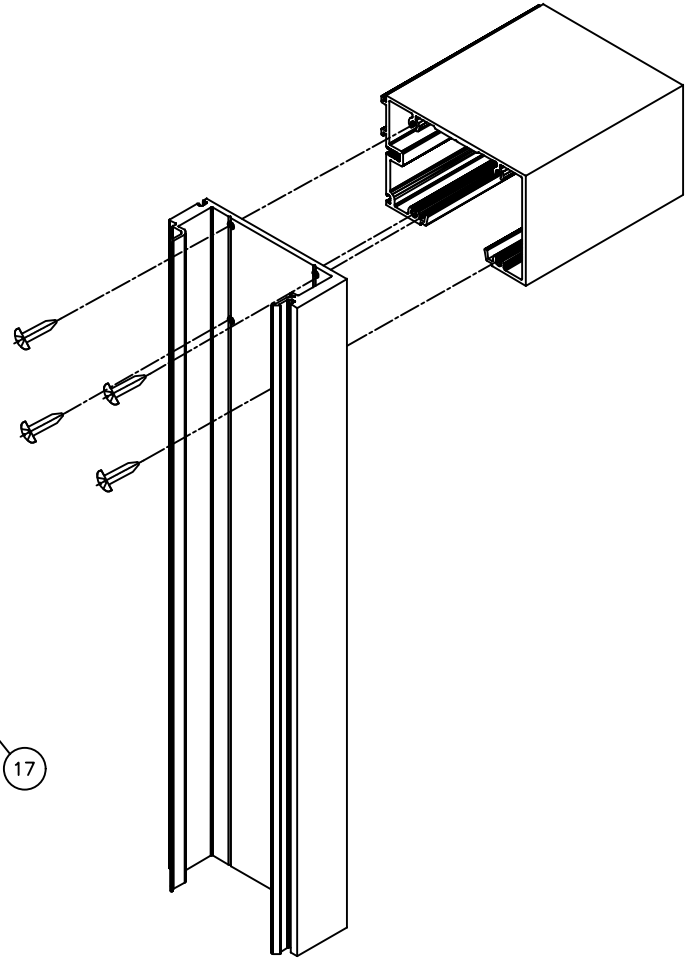
FRAME JAMB HORIZONTAL CORNER



FRAME JAMB BOTTOM CORNER



SPLIT MULLION CORNER



Revision:

ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		window systems			PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		
					REGISTRATION #29296		
Title		SERIES 2500 ALUM. NARROW WINDOW WALL SYSTEM (S.M.I.)			Date	10/03/2022	
Series	SERIES 2500	Sheet	17 OF 17		DWG No.		
Desc.	CORNER ASSEMBLY DETAILS		By		A.M.		
				Dawn			
				WWN2500FPA - SMI		Rev. A	

