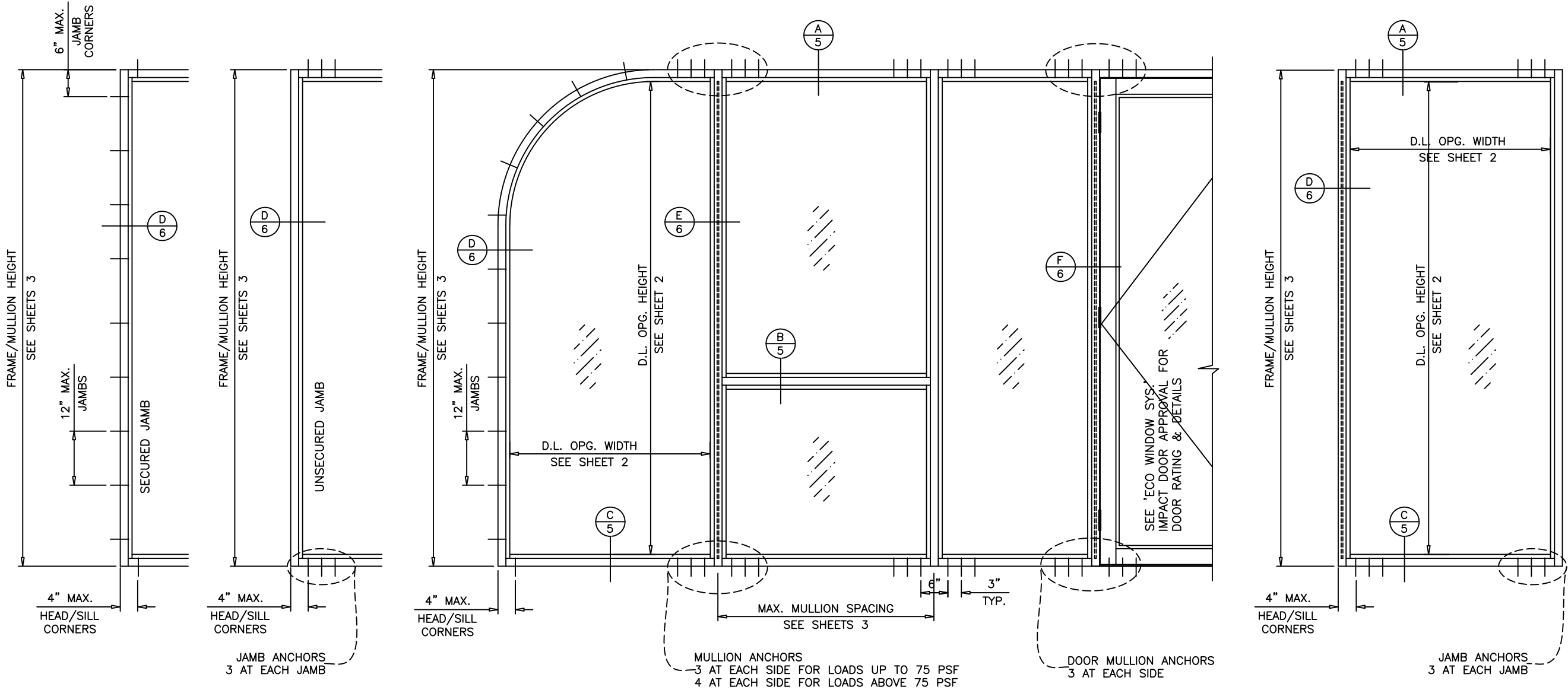




TYPICAL ELEVATION

SERIES 450 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH FBC APPROVED SMALL MISSILE IMPACT RESISTANT DOORS.

LOWER DESIGN PRESSURE FROM WINDOW WALL OR DOOR 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 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)’.

INSTRUCTIONS:

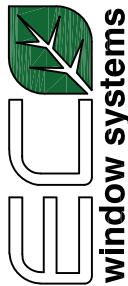
USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** CHECK GLASS CAPACITY TABLE ON SHEET 2 FOR GLASS TYPE, GLASS DIMENSIONS (WIDTH & HEIGHT) AND PRESSURE CAPACITY. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 3** CHECK WINDOW WALL SYSTEM CAPACITY FOR DESIRED HEIGHT AND MULLION SPACING USING CHARTS ON SHEETS 3. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** FOR SYSTEM WITH UNANCHORED JAMBS, USING SHEET 6 DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 6** WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

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

SMALL MISSILE IMPACT



ECO WINDOW SYSTEMS, LLC.
8602 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	Desc.	Sheet	DWG	Rev.
SERIES 450	GENERAL INFORMATION & ELEVATION	1 OF 9	WW450FPA - SMI	A

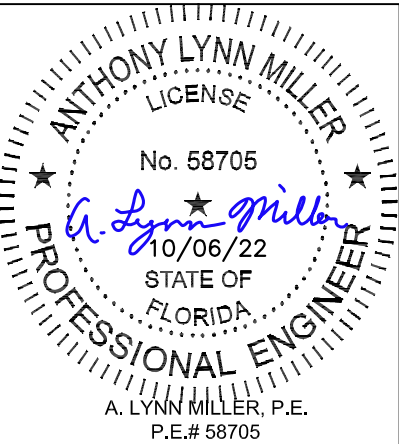
SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)

HONG C.

Date

10/3/2022

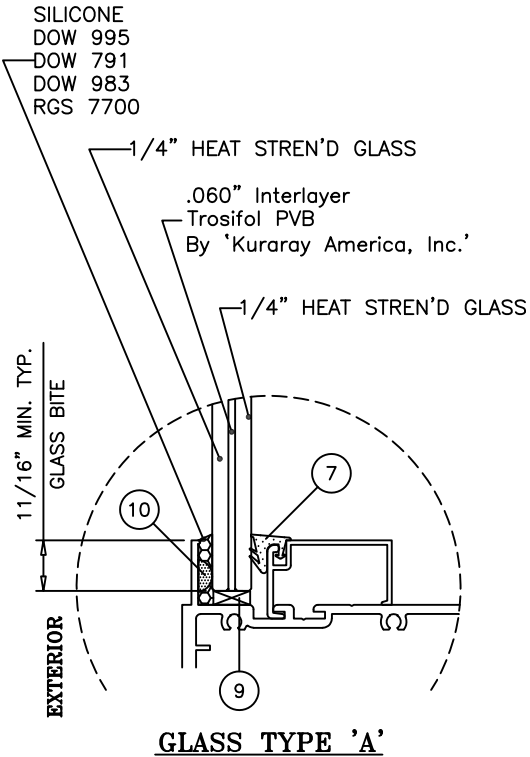
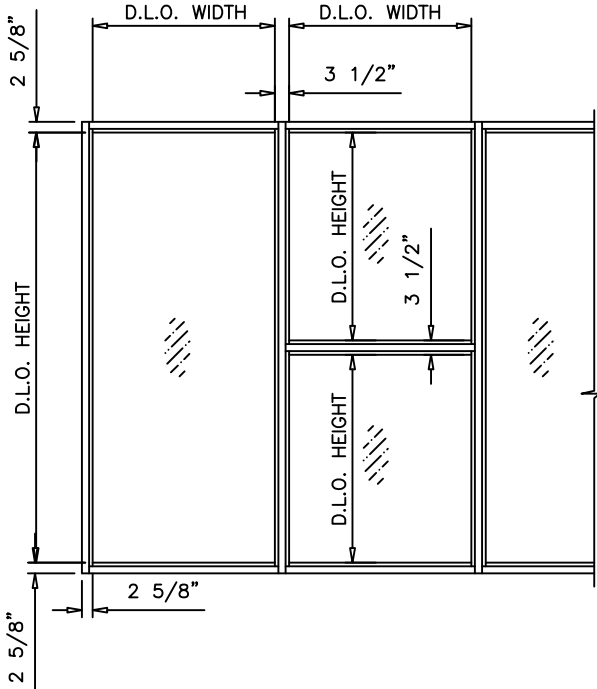
Revision:



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

GLASS LOAD CAPACITY – PSF			
NOMINAL DIMS.		GLASS TYPES 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	POS. (+)	NEG. (-)
30–3/4"	78–3/4"	80.0	90.0
33–3/4"		80.0	90.0
36–3/4"		80.0	90.0
39–3/4"		80.0	90.0
42–3/4"		80.0	90.0
45–3/4"		80.0	90.0
48–3/4"		80.0	90.0
51–3/4"		80.0	90.0
54–3/4"		80.0	90.0
57–3/4"	84–3/4"	76.2	85.7
60–3/4"		72.7	81.8
30–3/4"		80.0	90.0
33–3/4"		80.0	90.0
36–3/4"		80.0	90.0
39–3/4"		80.0	90.0
42–3/4"		80.0	90.0
45–3/4"		80.0	90.0
48–3/4"		80.0	90.0
51–3/4"		80.0	90.0
54–3/4"		80.0	90.0
57–3/4"	90–3/4"	76.2	85.7
30–3/4"		80.0	90.0
33–3/4"		80.0	90.0
36–3/4"		80.0	90.0
39–3/4"		80.0	90.0
42–3/4"		80.0	90.0
45–3/4"		80.0	90.0
48–3/4"		80.0	90.0
51–3/4"		80.0	90.0
54–3/4"		80.0	90.0

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

ECO window systems

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

SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)

GLASS CAPACITIES AND GLAZING
OPTIONS

SERIES 450

10/3/2022

By HONG C.

WW450FPA - SMI

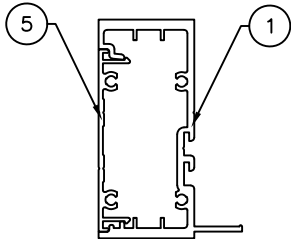
Rev. A

DWG No. 2 OF 9

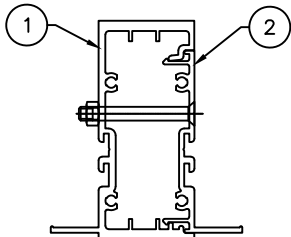
Sheet

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/06/22
STATE OF
FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

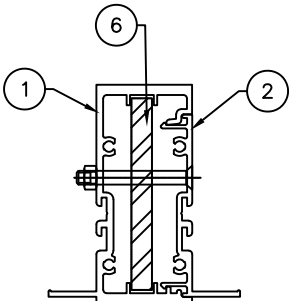
JAMB & MULLION LOAD CAPACITY – PSF							
JAMBS & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M1'		MULL 'M2'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
36"	84"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	70.0	75.0	80.0	90.0
57"		70.0	75.0	–	–	80.0	90.0
60"		70.0	75.0	–	–	80.0	90.0
63"	84"	–	–	–	–	80.0	90.0
66"		–	–	–	–	80.0	90.0
36"	90"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	–	–	80.0	90.0
57"		70.0	75.0	–	–	80.0	90.0
60"		–	–	–	–	80.0	90.0
36"	96"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	74.5	80.0	90.0
48"		70.0	75.0	70.0	70.7	80.0	90.0
51"		70.0	75.0	–	–	80.0	90.0
54"		70.0	75.0	–	–	80.0	90.0
57"		–	–	–	–	80.0	86.9
58–3/4"		–	–	–	–	80.0	85.0



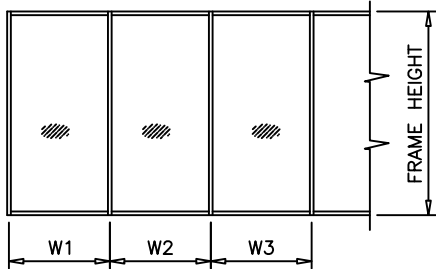
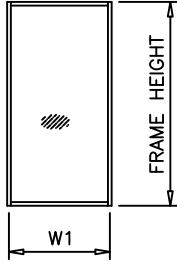
UNSECURED JAMB 'J1'



MULLION 'M1'



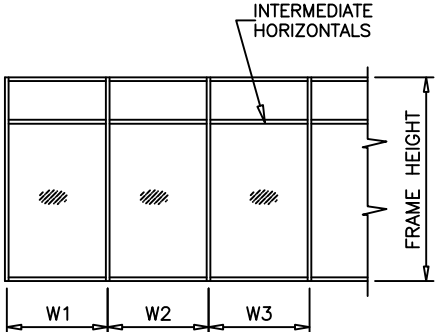
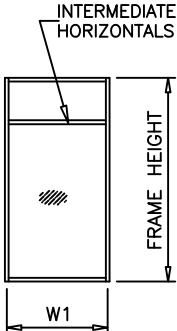
MULLION 'M2'



WIDTH (W) = W1
AT FRAME JAMB

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

JAMB & MULLION LOAD CAPACITY – PSF							
JAMBS & MULLIONS WITH INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M1'		MULL 'M2'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
36"	84"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	70.0	75.0	80.0	90.0
57"		70.0	75.0	–	–	80.0	90.0
60"		70.0	75.0	–	–	80.0	90.0
63"	84"	–	–	–	–	80.0	90.0
66"		–	–	–	–	80.0	86.7
36"	90"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	73.0	80.0	90.0
54"		70.0	75.0	–	–	80.0	90.0
57"		70.0	75.0	–	–	80.0	87.5
60"		–	–	–	–	80.0	83.1
36"	96"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	73.1	80.0	90.0
45"		70.0	75.0	68.2	68.2	80.0	90.0
48"		70.0	75.0	63.9	63.9	80.0	90.0
51"		70.0	75.0	–	–	80.0	85.9
54"		70.0	75.0	–	–	80.0	81.1
57"		–	–	–	–	76.9	76.9
58–3/4"		–	–	–	–	74.6	74.6
36"	102"	70.0	75.0	–	–	70.0	75.0
39"		70.0	75.0	–	–	70.0	75.0
42"		70.0	75.0	–	–	70.0	75.0
45"		70.0	75.0	–	–	70.0	75.0
48"		70.0	75.0	–	–	70.0	75.0
36"	108"	70.0	75.0	–	–	70.0	75.0
39"		70.0	75.0	–	–	70.0	75.0
42"		70.0	75.0	–	–	70.0	75.0
45"		70.0	75.0	–	–	70.0	75.0
48"		70.0	72.7	–	–	70.0	72.7



WIDTH (W) = W1
AT FRAME JAMB

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

MULLION

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	10/3/2022	HONG C.	WW450FPA - SMI	A
 ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)	Date	By	DWC	No.
 ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)	Title	Desc.	3 OF 9	Sheet
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)	Title	Desc.	3 OF 9	Sheet

ANTHONY LYNN MILLER

LICENSE

No. 58705

10/06/22

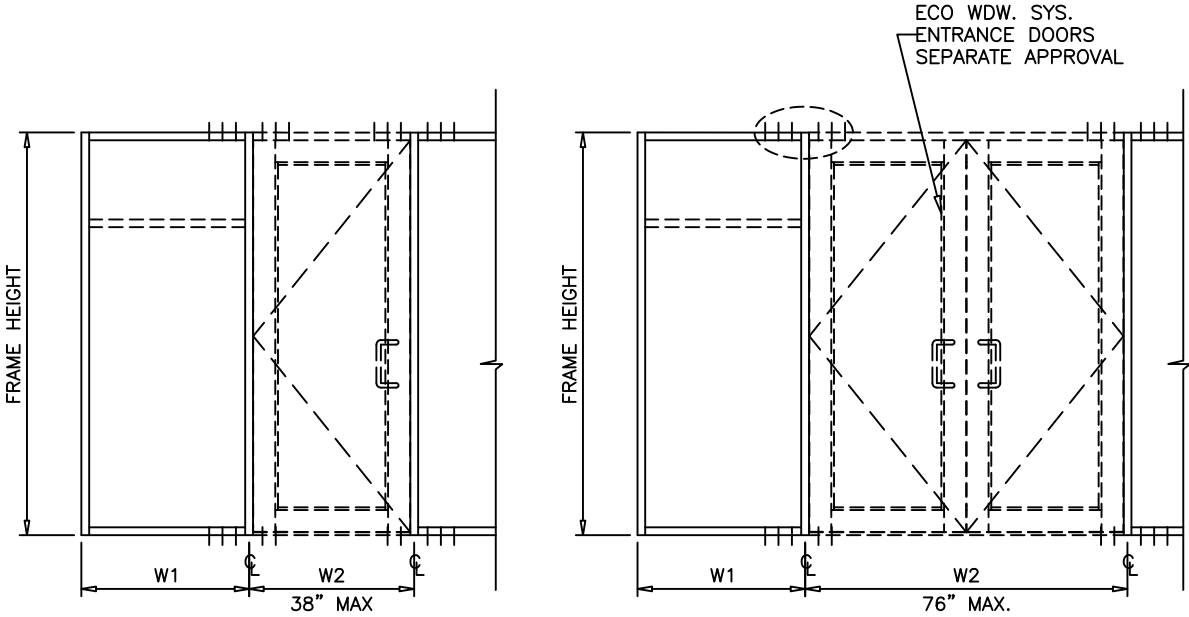
STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.

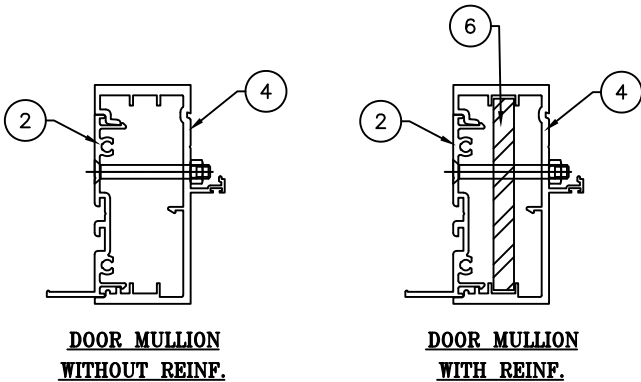
P.E.# 58705

DOOR MULLION LOAD CAPACITY – PSF					
NOMINAL DIMS.		WITHOUT REINF.		WITH REINF.	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
37”	84”	70.0	75.0	70.0	75.0
38–1/2”		70.0	75.0	70.0	75.0
40”		70.0	75.0	70.0	75.0
41–1/2”		70.0	75.0	70.0	75.0
43”		70.0	75.0	70.0	75.0
44–1/2”		70.0	75.0	70.0	75.0
46”		70.0	75.0	70.0	75.0
47–1/2”		70.0	75.0	70.0	75.0
49”		70.0	74.8	70.0	75.0
37”	90”	70.0	75.0	70.0	75.0
38–1/2”		70.0	75.0	70.0	75.0
40”		70.0	75.0	70.0	75.0
41–1/2”		70.0	75.0	70.0	75.0
43”		70.0	74.3	70.0	75.0
44–1/2”		70.0	71.8	70.0	75.0
46”		–	–	70.0	75.0
47–1/2”		–	–	70.0	75.0
49”		–	–	70.0	75.0
37”	96”	70.0	74.0	70.0	75.0
38–1/2”		70.0	71.1	70.0	75.0
40”		68.5	68.5	70.0	75.0
41–1/2”		66.0	66.0	70.0	75.0
43”		63.7	63.7	70.0	75.0
44–1/2”		–	–	70.0	75.0
46”		–	–	70.0	75.0
47–1/2”		–	–	70.0	75.0
37”	102”	–	–	70.0	75.0
38–1/2”		–	–	70.0	75.0
40”		–	–	70.0	75.0
41–1/2”		–	–	70.0	75.0
43”		–	–	70.0	75.0
44–1/2”		–	–	70.0	75.0
37”	108”	–	–	70.0	75.0
38–1/2”		–	–	70.0	75.0
40”		–	–	70.0	75.0
41–1/2”		–	–	70.0	75.0
43”		–	–	70.0	75.0



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

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



DOOR MULLION

Revision:

PREPARED BY A. LYNN MILLER
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REGISTRATION #29296

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

10/3/2022

10/06/22

HONG C.

DOOR MULLION CAPACITIES

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/06/22
STATE OF
FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

Rev.

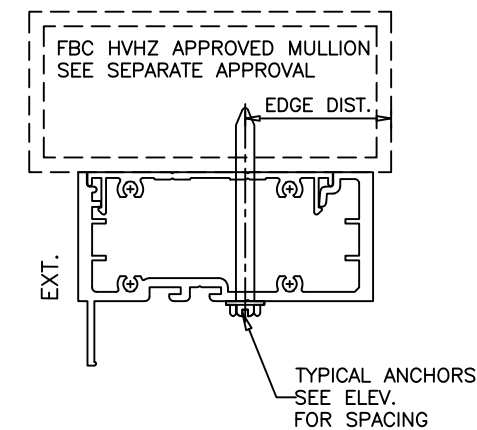
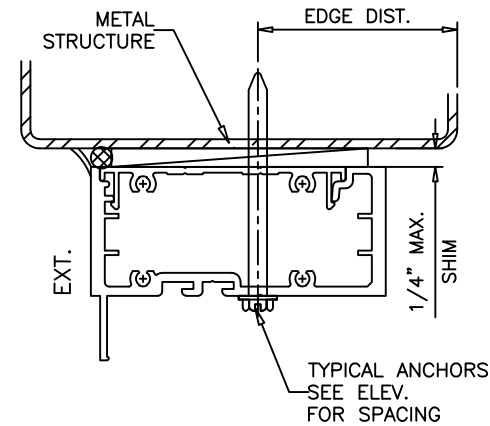
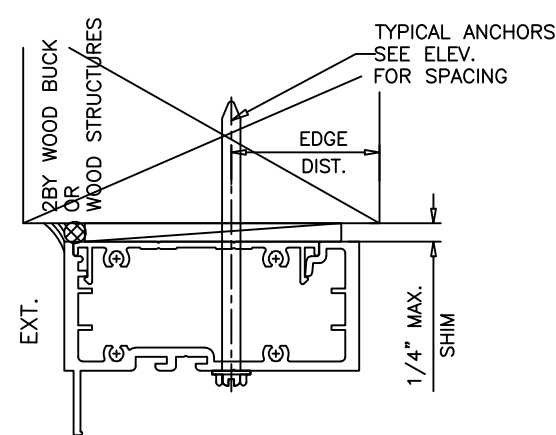
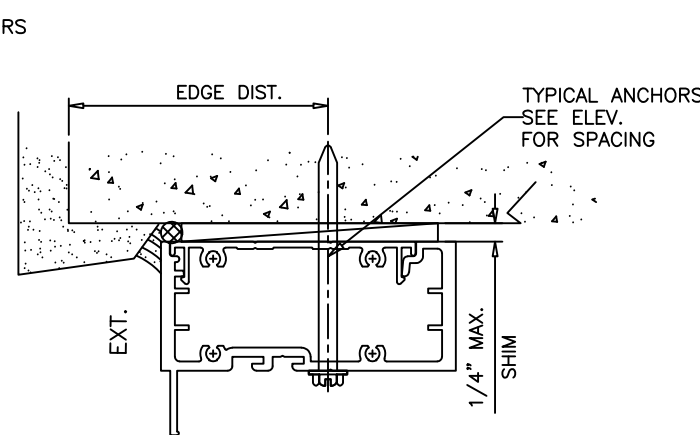
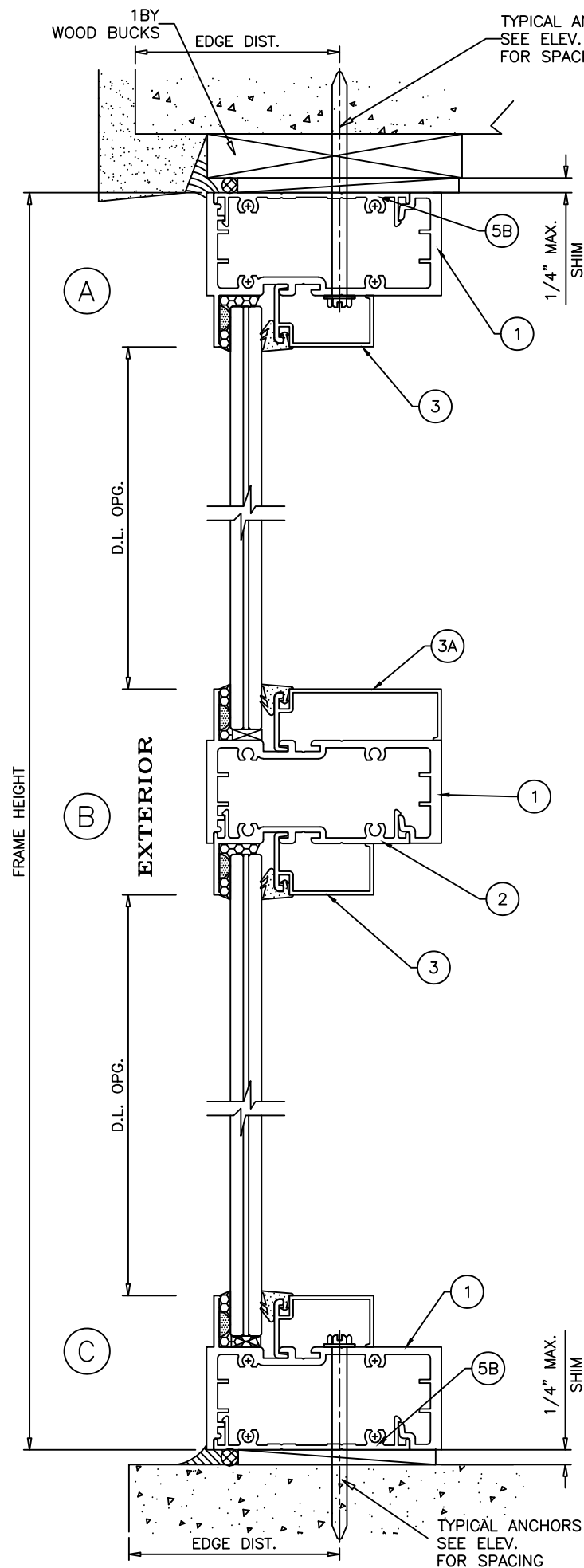
WW450FPA - SMI

DWG

4 OF 9

Sheet

SERIES 450



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

1/4" DIA ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO FBC APPROVED MULLIONS

OR

INTO METAL STRUCTURES

(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)

TYPICAL EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

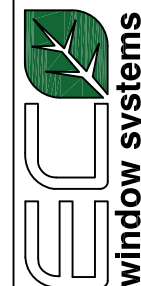
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Revision:

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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(941) 480-1600

REGISTRATION #29296



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

SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)

VERTICAL CROSS SECTIONS AND
ANCHOR SPECIFICATIONS

SERIES 450

5 OF 9

WW450FPA - SMI

Rev.

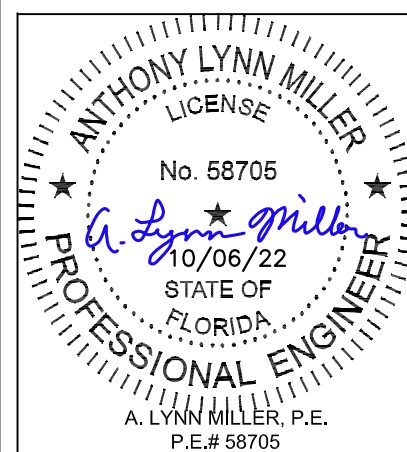
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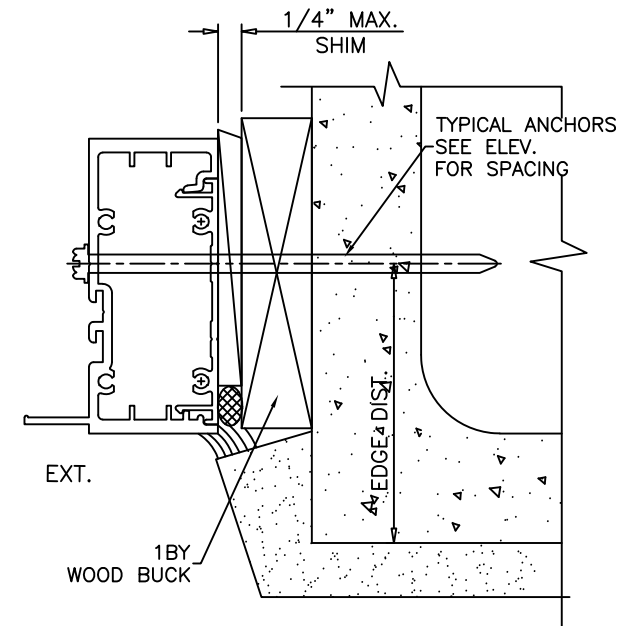
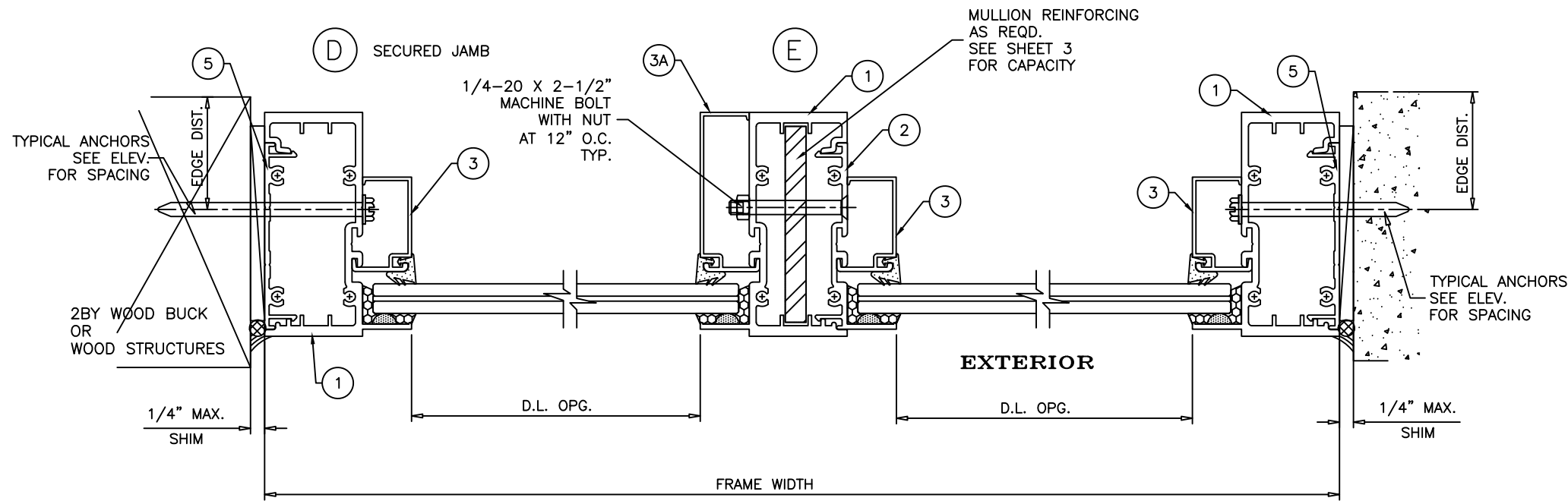
Date

10/3/2022

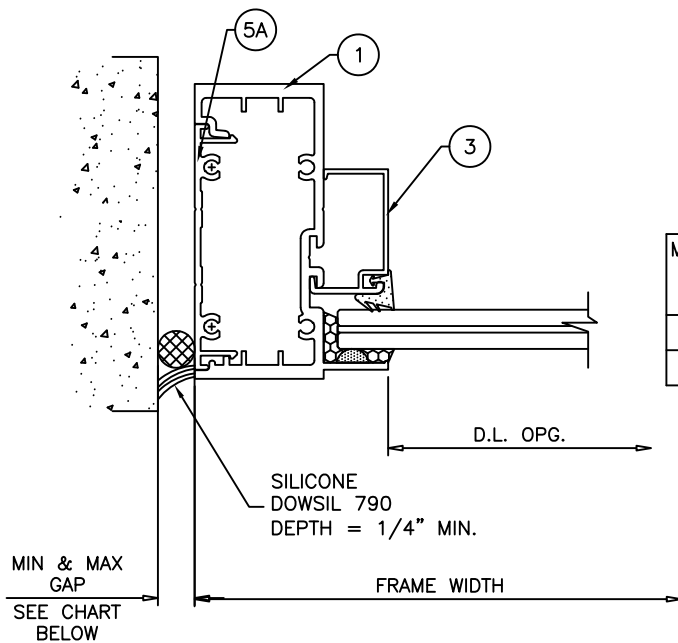
By

HONG C.

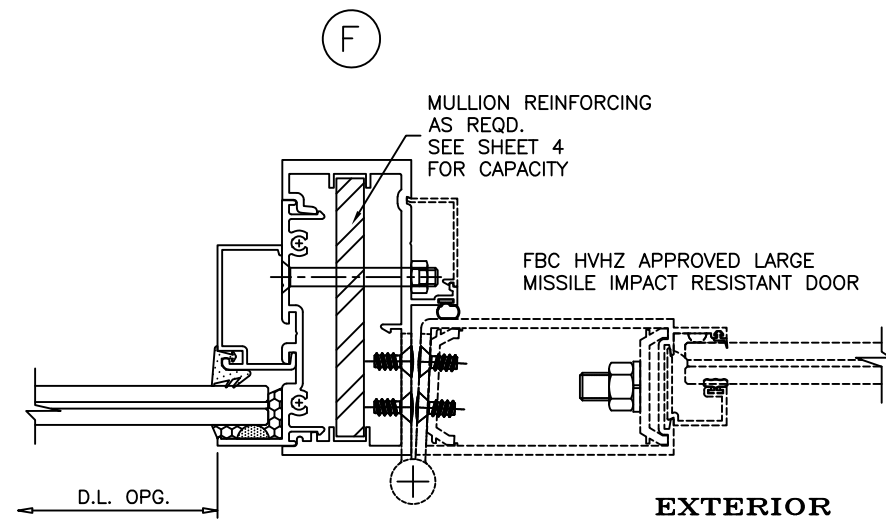
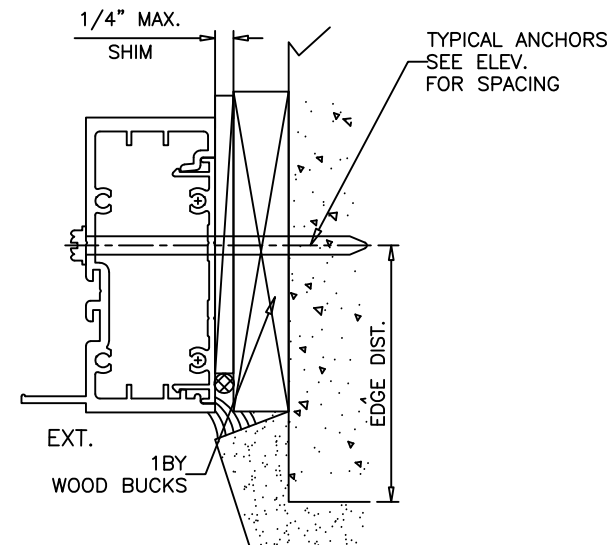
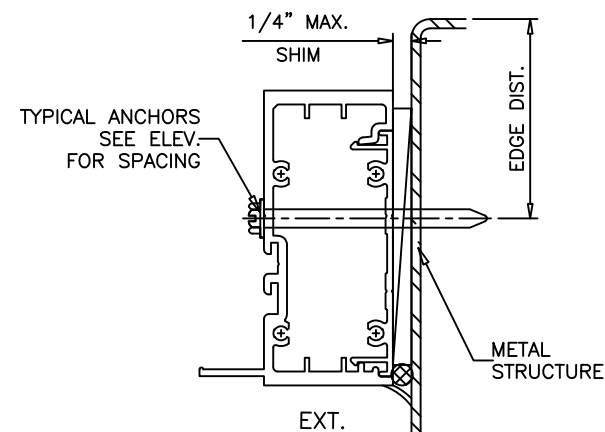




D UNSECURED JAMB



MAX. FRAME HEIGHT UP TO	GAP	
	MIN.	MAX.
96	5/16"	3/4"
120	3/8"	3/4"



NOTE:
MAX. MOVEMENT CONSIDERED = 100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATIVE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OR RECORD BASED ON MANUFACTURER GUIDELINES.

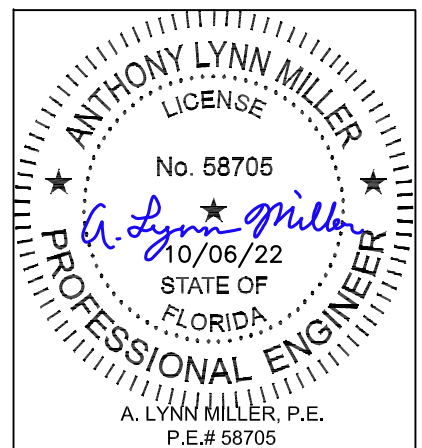
GAP LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OR RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

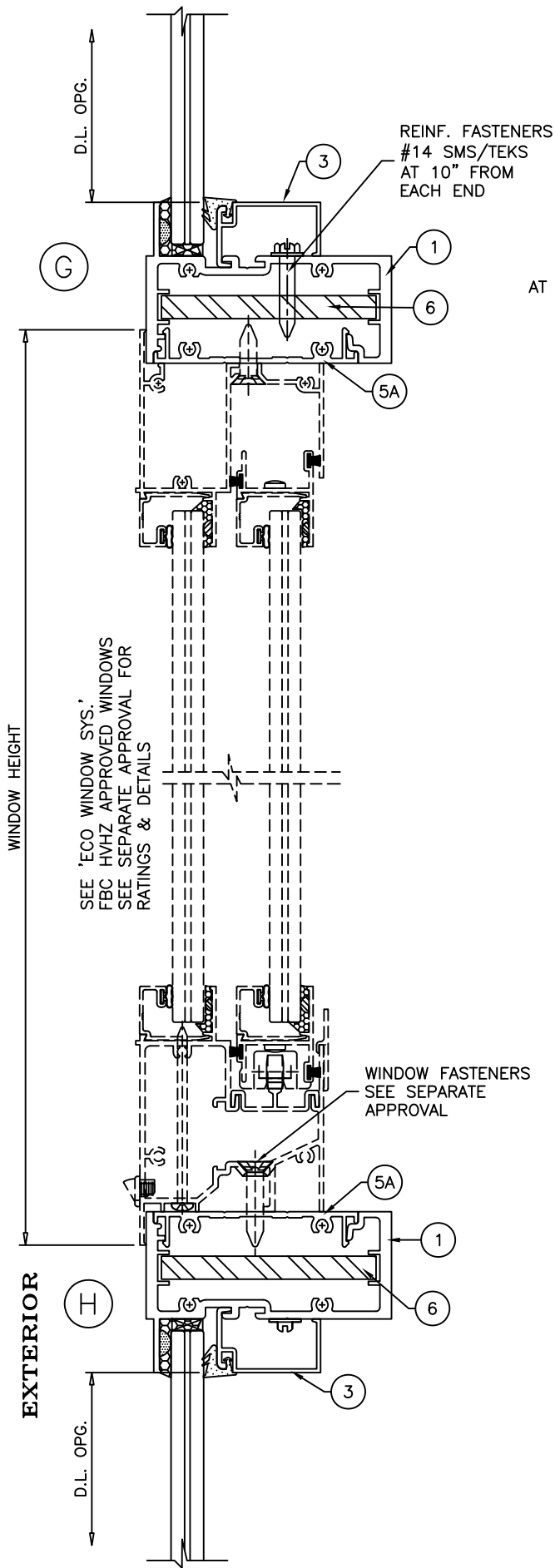
SEE SEPARATE APPROVAL FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS

LOWER VALUES FROM DOOR APPROVALS OR WINDOW WALL SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

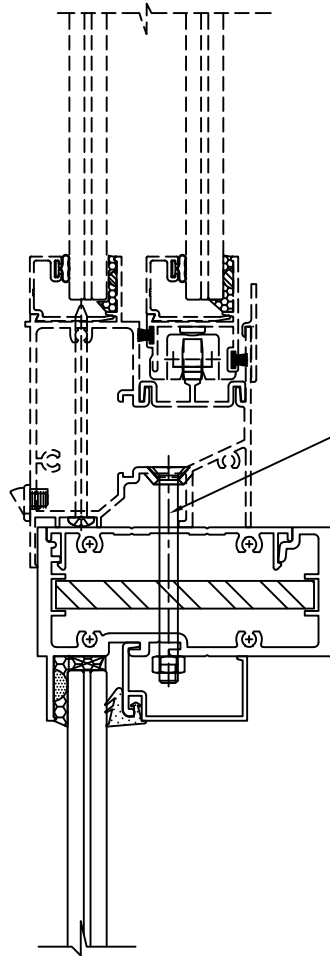
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	10/3/2022	HONG C.	WW450FPA - SMI	A
ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)	HORIZONTAL CROSS SECTIONS	6 OF 9	SERIES 450	A





(6) ANCHORS
AT HORIZ. ENDS
TYP.

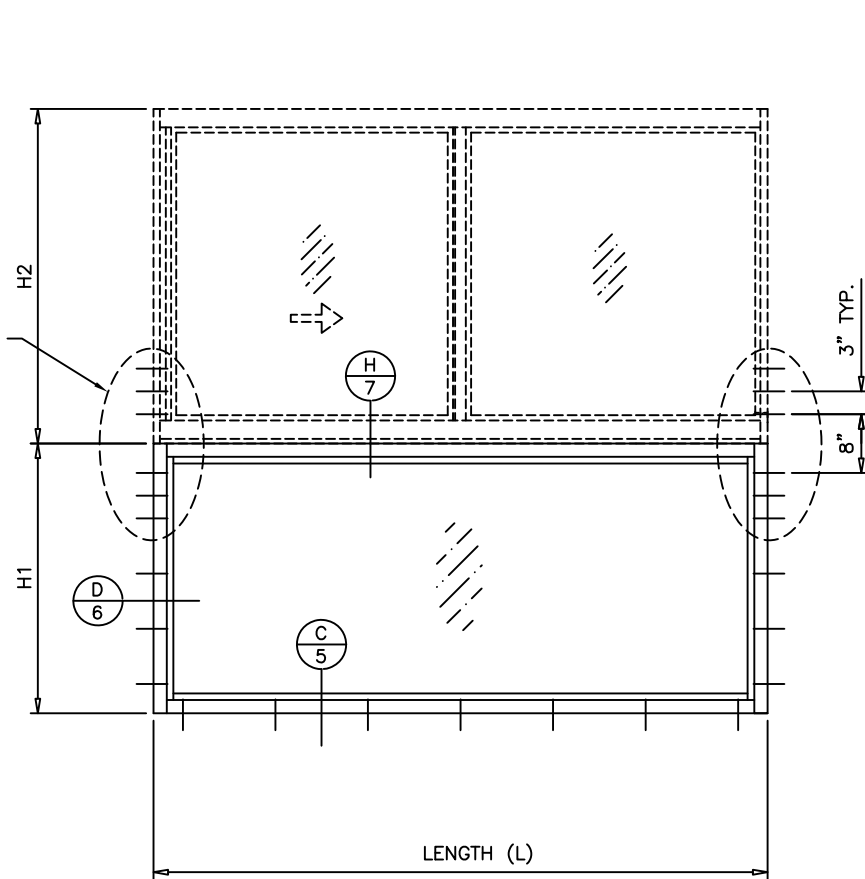


(2) 1/4" DIA. BOLT AND NUT
AT MTG. STILE LOCATION
AT 10" O.C.

NOTES:

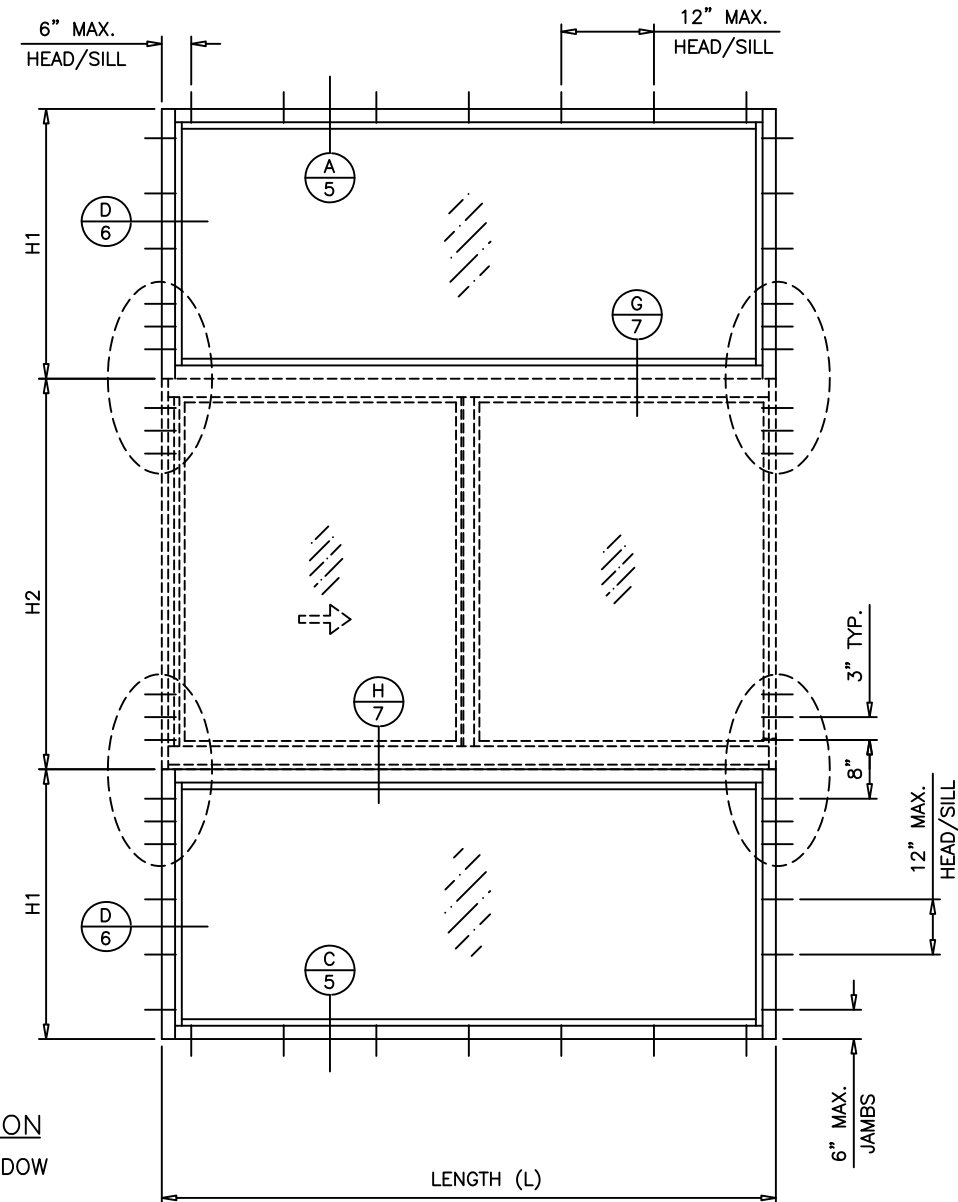
1. USE CHART ON THIS SHEET FOR WINDOW WALL HORIZONTAL LOAD CAPACITY.
2. FOR WINDOW WALL GLASS CAPACITY, SEE CHART ON SHEET 2.
3. FOR HORIZONTAL SLIDING WINDOW LOAD CAPACITY, SEE SEPARATE APPROVAL.

LOWER VALUE FROM STEP 1, 2, OR 3 WILL APPLY TO ENTIRE SYSTEM.

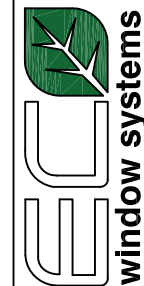


TYPICAL ELEVATION
TOP OR BOTTOM WINDOW

$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$



HORIZONTAL LOAD CAPACITY - PSF			
NOMINAL DIMS.		HORIZONTAL MULLION	
HEIGHT (H)	LENGTH (L)	POS. (+)	NEG. (-)
57"	84"	80.0	90.0
60"		80.0	90.0
63"		80.0	90.0
66"		80.0	90.0
69"		80.0	90.0
54"	90"	80.0	90.0
57"		80.0	90.0
60"		80.0	90.0
63"		80.0	90.0
54"	96"	80.0	90.0
57"		80.0	88.9
60"		80.0	85.0

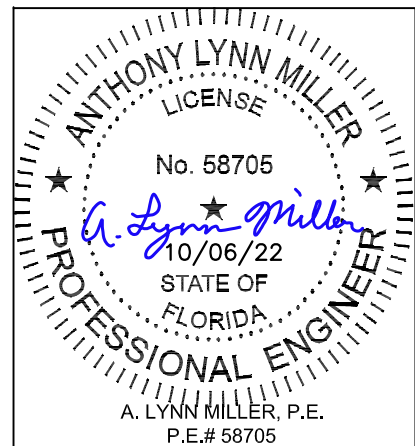


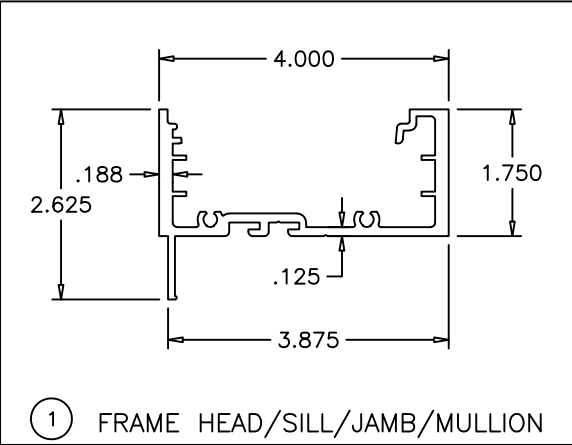
ECO WINDOW SYSTEMS, LLC.
8602 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902

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

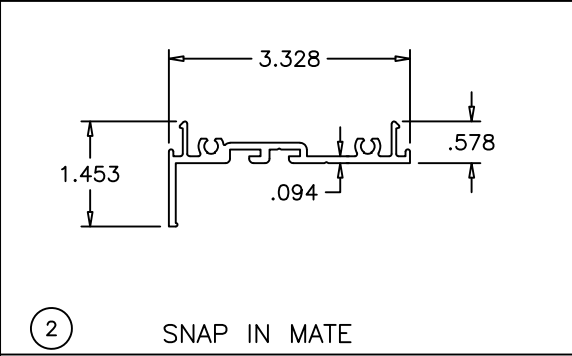
REGISTRATION #29296

Series	Desc.	Title	Date	Rev.
SERIES 450	HORIZONTAL MULLION DETAILS AND LOAD CAPACITY	SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)	10/3/2022	A
7 OF 9	Sheet	WW450FPA - SMI		

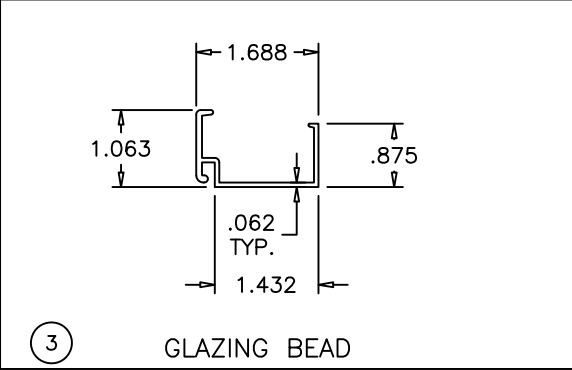




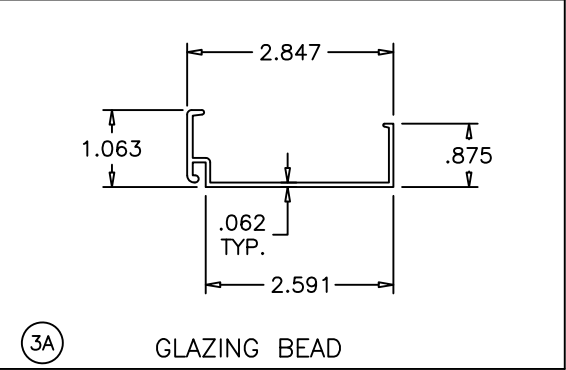
1 FRAME HEAD/SILL/JAMB/MULLION



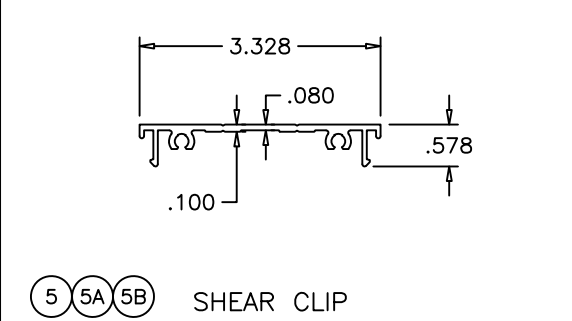
2 SNAP IN MATE



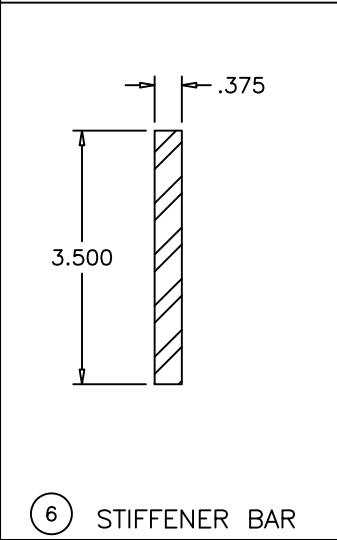
3 GLAZING BEAD



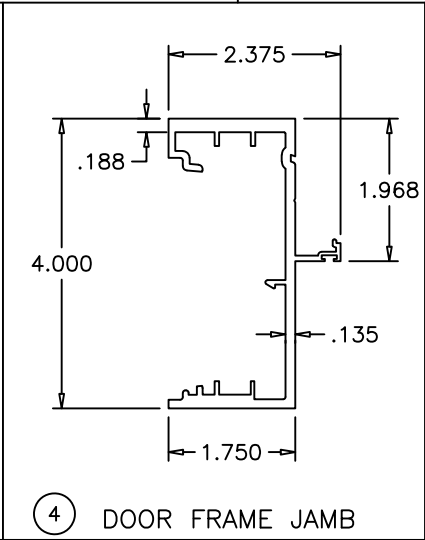
3A GLAZING BEAD



5 5A 5B SHEAR CLIP



6 STIFFENER BAR

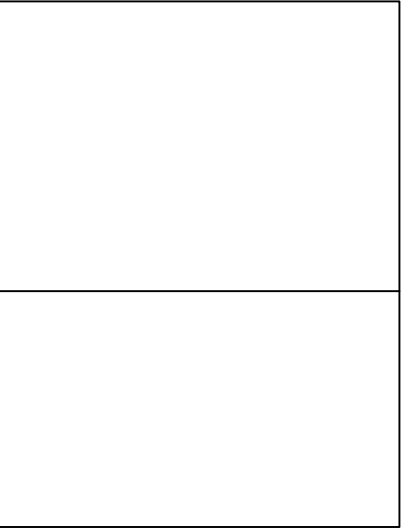


4 DOOR FRAME JAMB

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	451	AS REQD.	FRAME HEAD/SILL/JAMB/MULLION	6063 - T6	-
2	452	AS REQD.	SNAP-IN MATE	6063 - T6	-
3	UW-404	AS REQD.	GLAZING BEAD	6063 - T6	-
3A	E458	AS REQD.	GLAZING BEAD	6063 - T6	-
4	454	AS REQD.	DOOR FRAME JAMB	6063 - T6	-
5	453	AS REQD.	SHEAR CLIP, 3-3/4" LONG AT JAMB ANCHORS	6063 - T6	-
5A	453	AS REQD.	SHEAR CLIP, FULL LENGTH	6063 - T6	-
5B	453	AS REQD.	SHEAR CLIP, LENGTH VARIES TO COVER ANCHOR SPACINGS	6063 - T6	-
6	-	AS REQD.	STIFFENER BAR	GALV. STEEL	-
7	UW-406	AS REQD.	GLAZING GASKET	NEOPRENE	DUROMETER 55±5 SHORE A
8	#12 X 1-1/4"	4/ CORNER	FRAME ASSEMBLY SCREW	-	PH SMS
9	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (3/16" X 1/2" X 2" LONG)	EPDM	DUROMETER 80±5 SHORE A
10	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE

SEALANTS:

ALL FRAME JOINTS AND SEAMS SEALED WITH SCHNEE-MOREHEAD SM5504 ACRYL-R SEAM SEALER.



Revision:

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REGISTRATION #29296

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

SERIES 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)

EXTRUSIONS AND BOM

SERIES 450

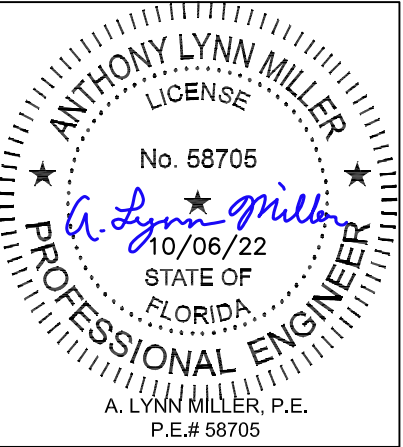
HONG C.

10/3/2022

WW450FPA - SMI

8 OF 9

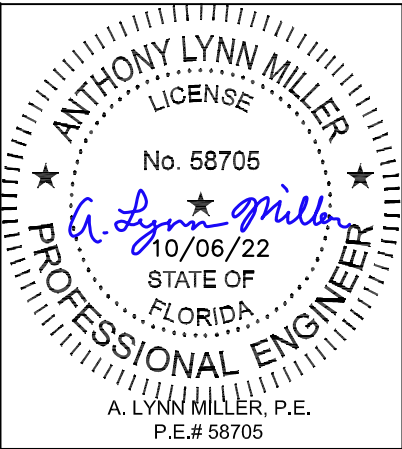
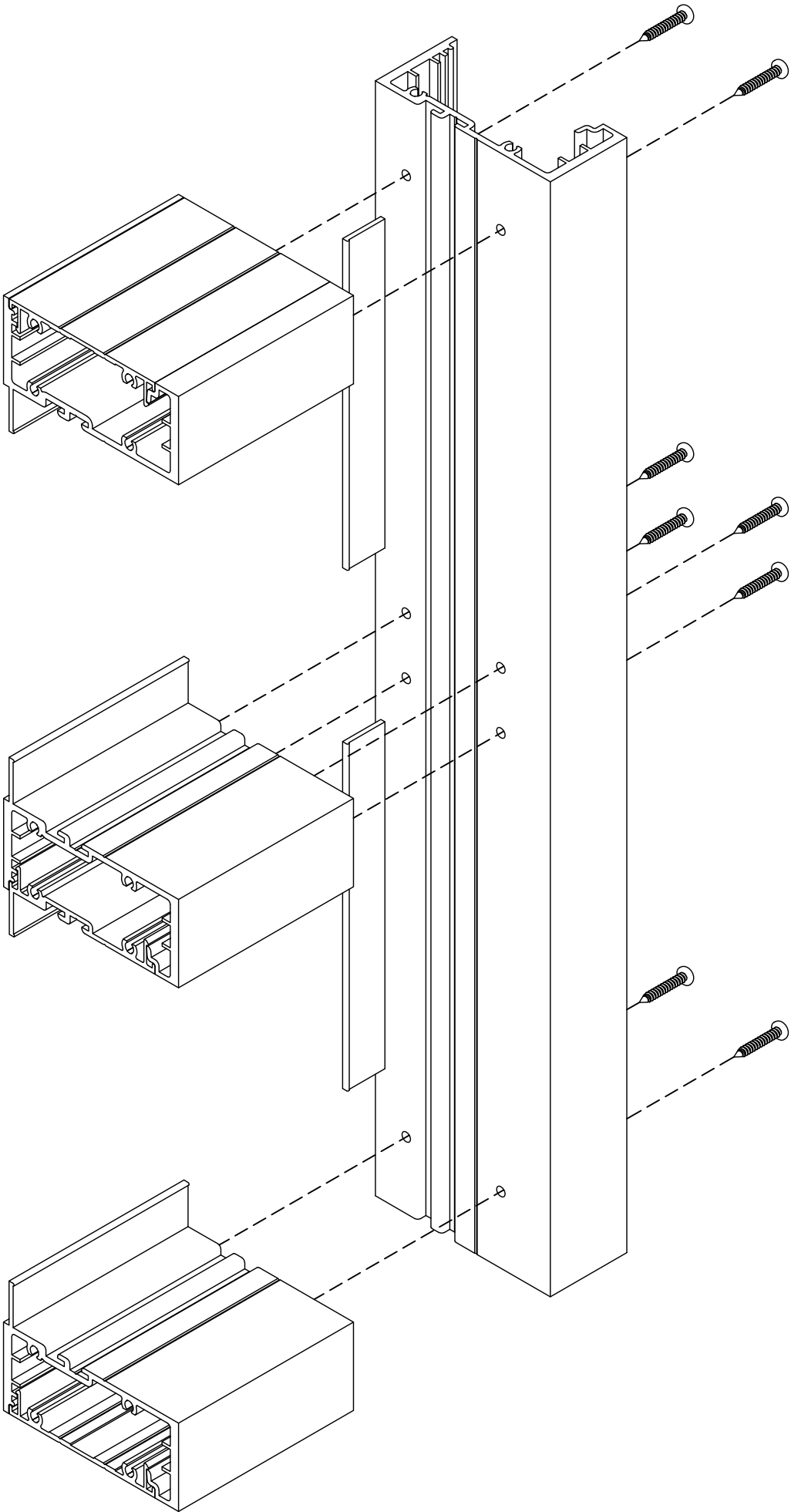
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FRAME TOP CORNER

HORIZONTAL CORNER

FRAME BOTTOM CORNER



 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 450 ALUM. WINDOW WALL SYSTEM (S.M.I.)		By HONG C.	Date 10/3/2022
CORNER ASSEMBLY DETAILS		DWG No.	9 OF 9	Rev. A
SERIES 450		WW450FPA - SMI		
Sheet		Title		

Revision:

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