



Product Approval
USER: Public User

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SECRETARY

FL #	FL32389-R5								
Application Type	Revision								
Code Version	2023								
Application Status	Approved								
Comments									
Archived	☐								
Product Manufacturer	Eco Window Systems								
Address/Phone/Email	8502 NW 80th Street Suite 103 Medley, FL 33166 (305) 885-5299 jrosowski@pgtindustries.com								
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com								
Technical Representative	Lynn Miller, P.E.								
Address/Phone/Email	1070 Technology Dr N Venice, FL 34275 (941) 486-0100 Ext 21142 lmiller@pgtindustries.com								
Quality Assurance Representative									
Address/Phone/Email									
Category	Windows								
Subcategory	Fixed								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	A. Lynn Miller, P.E.								
Florida License	PE-58705								
Quality Assurance Entity	Keystone Certifications, Inc.								
Quality Assurance Contract Expiration Date	12/31/2032								
Validated By	Steven M. Urich, PE ☒ Validation Checklist - Hardcopy Received								
Certificate of Independence	FL32389 R5 COI Cert of Independence.pdf								
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th><u>Standard</u></th><th><u>Year</u></th></tr> </thead> <tbody> <tr> <td>TAS 201</td><td>1994</td></tr> <tr> <td>TAS 202</td><td>1994</td></tr> <tr> <td>TAS 203</td><td>1994</td></tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	TAS 201	1994	TAS 202	1994	TAS 203	1994
<u>Standard</u>	<u>Year</u>								
TAS 201	1994								
TAS 202	1994								
TAS 203	1994								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method

Method 1 Option D

Date Submitted

10/06/2023

Date Validated

10/09/2023

Date Pending FBC Approval

10/18/2023

Date Approved

12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
32389.1	Series 70 Aluminum Fixed Window	Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW70FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW70LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.2	Series 70 Aluminum Fixed Window	Non-impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW70FPA - NI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW70NI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.3	Series 300 Aluminum Fixed Window	Large Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW300FPA - LMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW300LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.4	Series 300 Aluminum Fixed Window	Small Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW300FPA - SMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW300SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.5	Series 350 Aluminum Fixed Window	Large Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW350FPA - LMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW350LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.6	Series 350 Aluminum Fixed Window	Small Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW350FPA - SMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW350SMI ENG EVAL REV A.pdf Created by Independent Third Party: No

32389.7	Series 550 Aluminum Fixed Window	Large Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW550FPA - LMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW550LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.8	Series 550 Aluminum Fixed Window	Small Missile Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW550FPA - SMI REV A2.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW550SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.9	Series 610 Aluminum Fixed Window	Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW610FSFPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW610FSLMI ENG EVAL REV A.pdf Created by Independent Third Party: No
32389.10	Series 620 Aluminum Fixed Window	Impact Resistant, Aluminum Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Installation Instructions FL32389_R5_II_PW620FSFPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL32389_R5_AE_ECO_PW620FSLMI ENG EVAL REV A.pdf Created by Independent Third Party: No

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[Next](#)

[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

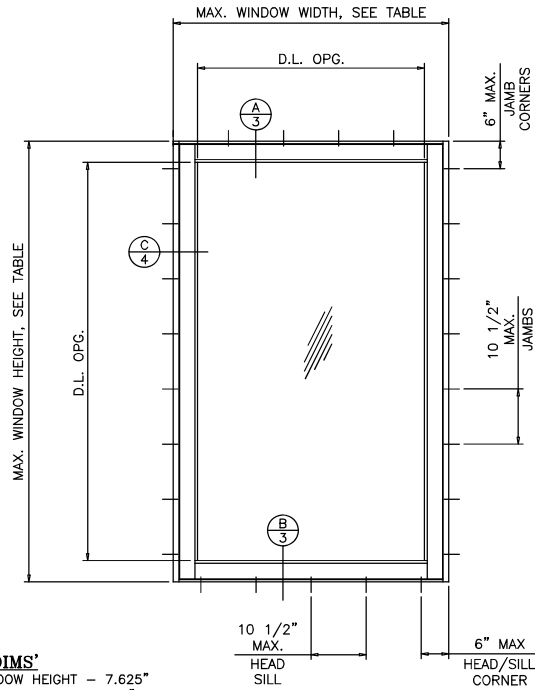
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Product Approval Accepts:



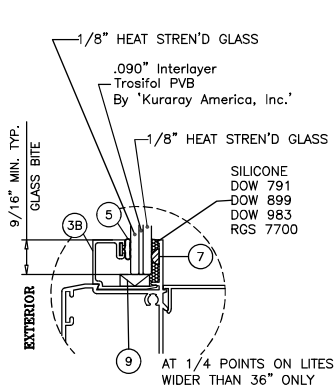
FLORIDA PRODUCT APPROVAL #32389



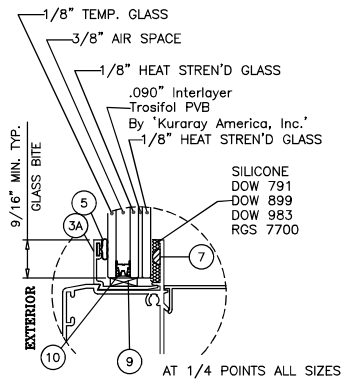
GLASS D.L.O. DIMS'

D.L.O. HEIGHT = WINDOW HEIGHT - 7.625"
D.L.O. WIDTH = WINDOW WIDTH - 7.625"

TYPICAL ELEVATION

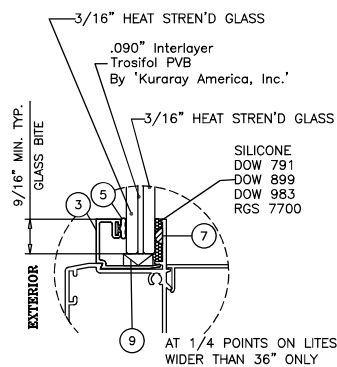


GLASS TYPE 'A'

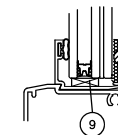


GLASS TYPE 'AA'

GLAZING OPTIONS



GLASS TYPE 'B'



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.

ECO-GUARD SERIES-550 ALUMINUM FIXED WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. HVHZ 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.

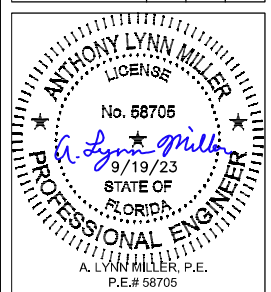
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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)'.

Revision:	REVISED TABLE	8/1/2022	A
	FORMAT.		
Revision:	ADDED DP	8/1/2022	A
	TABLE		
Revision:	ROUNDING,	8/1/2022	A
	ANSI Z97.1,		
Revision:	AND ANCHOR	8/1/2022	A
	HEAD TYPE		
Revision:	NOTES	8/1/2022	A
	REMOVED		
Revision:	SILICONE AND	8/1/2022	A
	BACKSTOP ON		
Revision:	INSTALL DETAIL	8/1/2022	A

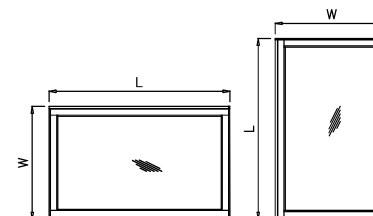
Prepared by:	A. LYNN MILLER	8/1/2022	A
1070 TECHNOLOGY DRIVE	N. VENICE, FL 34275	(941) 480-1600	PW550FFA - LMI
REGISTRATION #29296	8/1/2022	A. M.	PW550FFA - LMI
SERIES 550 ALUMINUM FIXED WINDOW (L.M.I.)	GENERAL INFORMATION, ELEVATION & GLASS TYPES	1 OF 6	Sheet
SERIES 550	1 OF 6	Sheet	PW550FFA - LMI



Design Load Capacity - PSF																											
Window Width (in.)	Glass Type	Window Length (in.)																									
		48"		50-5/8"		54"		60"		63"		66"		72"		76"		78"		80"		84"		90"		96"	
26-1/2"	A	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
30"	A	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	-	-
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
32"	A	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	-	-	-	-
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
36"	A	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	-	-	-	-	-	-	-	-
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
37"	A	+70.0	-75.0	+70.0	-75.0	+61.7	-66.1	+70.0	-75.0	+70.0	-75.0	+61.7	-66.1	+70.0	-75.0	+70.0	-75.0	-	-	-	-	-	-	-	-	-	-
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
42"	A	+61.7	-66.1	+61.7	-66.1	+61.7	-66.1	+61.7	-66.1	+61.7	-66.1	+61.7	-66.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
48"	A	+54.0	-57.8	+54.0	-57.8	+54.0	-57.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	-	-	-	-
	B	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	-	-	-	-
53-1/8"	A	+54.0	-57.8	+51.2	-54.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+70.0	-75.0	+70.0	-75.0	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+70.0	-75.0	+70.0	-75.0	-	-	-	-	-	-	-	-	-	
54"	A	+54.0	-57.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	+68.9	-73.8	-	-	-	-	-	-	-	-	-	
56"	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+66.4	-71.1	+66.4	-71.1	+66.4	-71.1	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+66.4	-71.1	+66.4	-71.1	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
60"	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+62.0	-66.4	+62.0	-66.4	+62.0	-66.4	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+62.0	-66.4	+62.0	-66.4	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
63"	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+62.0	-66.4	+59.0	-63.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+70.0	-75.0	+68.9	-73.8	+62.0	-66.4	+59.0	-63.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66"	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	AA	+70.0	-75.0	+68.9	-73.8	+68.9	-73.8	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	B	+70.0	-75.0	+68.9	-73.8	+68.9	-73.8	+62.0	-66.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

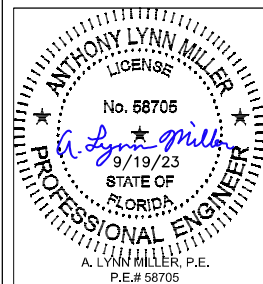
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

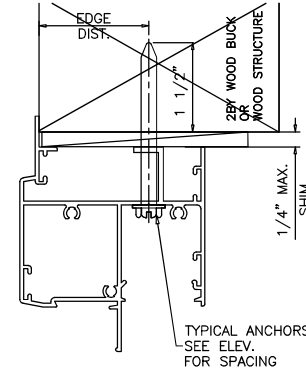
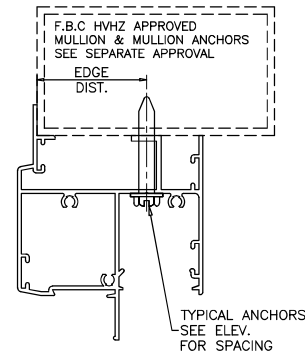
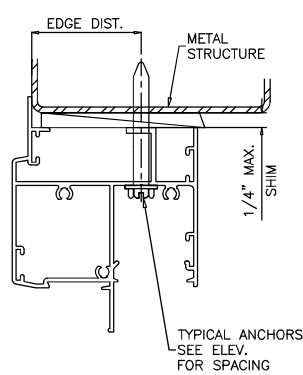
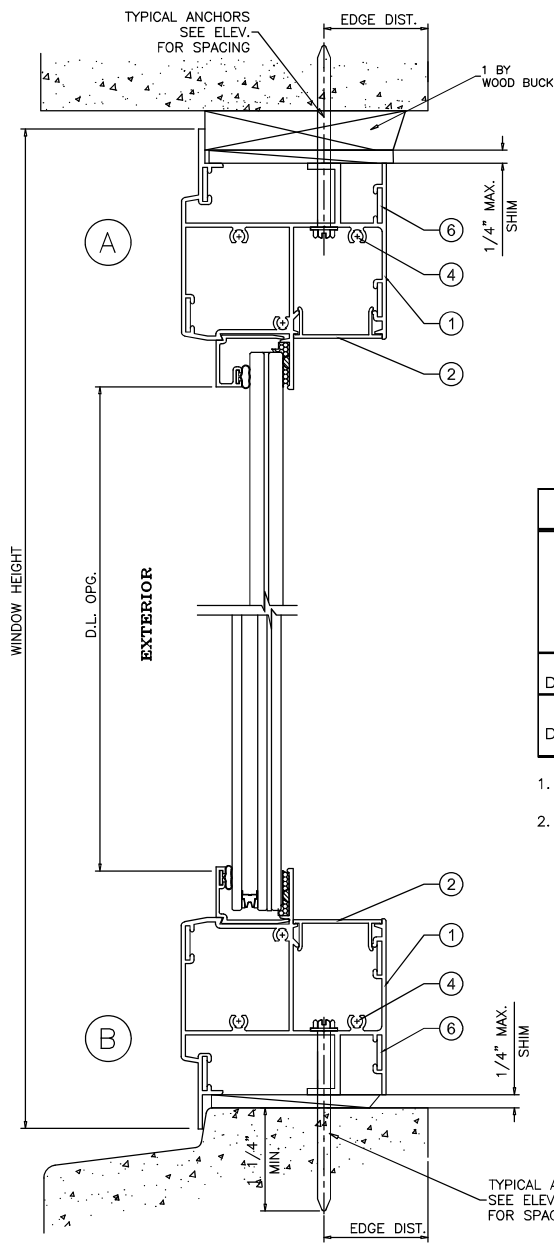


NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

Revision:
REVISED TABLE
FORMAT:
ADDED DP
TABLE
ROUNDING,
ANSI 297.1,
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		8/1/2022		A. M.		PW550FFA - LMI		A	
ECO WINDOW SYSTEMS, LLC 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-0299 FAX. (305) 885-5902		window systems		Date		By		DWG		Rev.	
SERIES 550 ALUMINUM FIXED WINDOW (L.M.I.)		DESIGN LOAD CAPACITY		2 OF 6		Sheet		Series		Title	

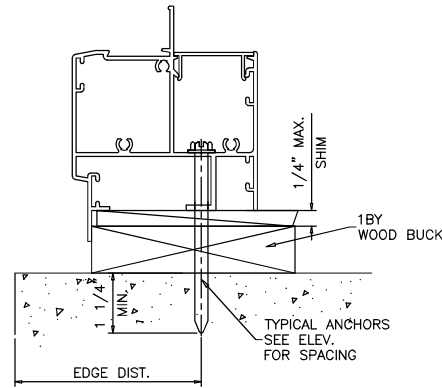




TYPICAL ANCHORS: SEE ELEV. FOR SPACING

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"
#14 SMS or Self Drilling Screws (Gr. 2)	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
#12 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)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi)	3/4"	(3) Threads min. beyond metal thickness

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



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

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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

8/1/2022

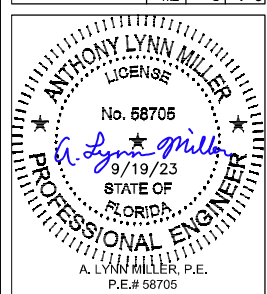
Rev. A

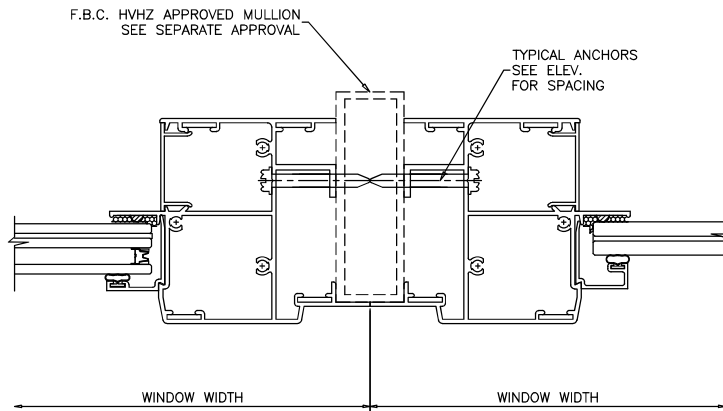
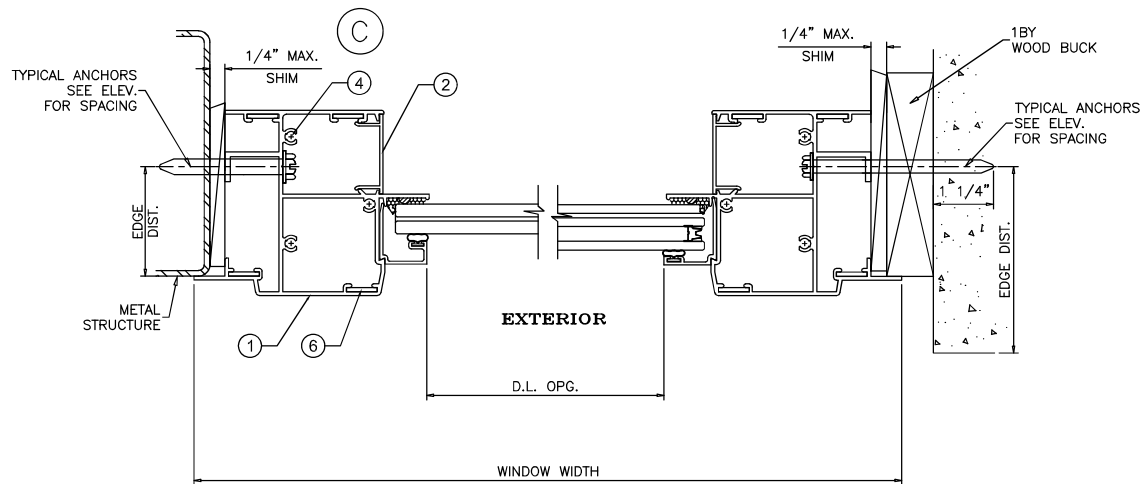


ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST., MEDLEY, FL 33166
TEL: (305) 885-5299 FAX: (305) 885-5902

SERIES 550 ALUMINUM FIXED WINDOW (L.M.I.)

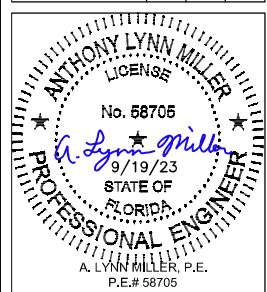
VERTICAL CROSS SECTIONS & ANCHOR SPECIFICATIONS
SERIES 550
3 OF 6
DWG No. PW550FPA - LMI

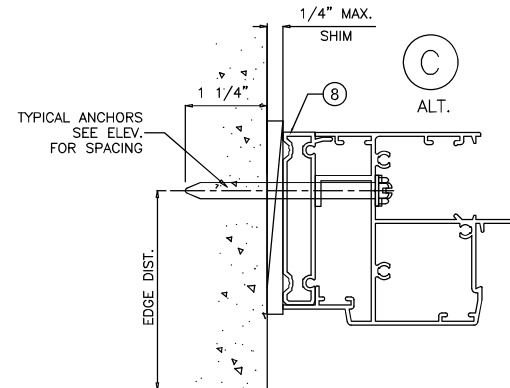
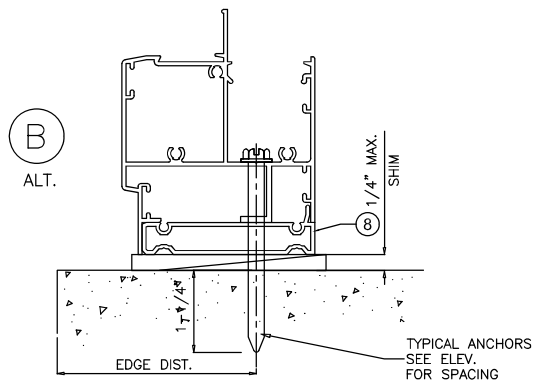
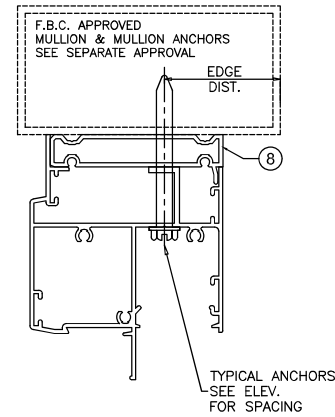
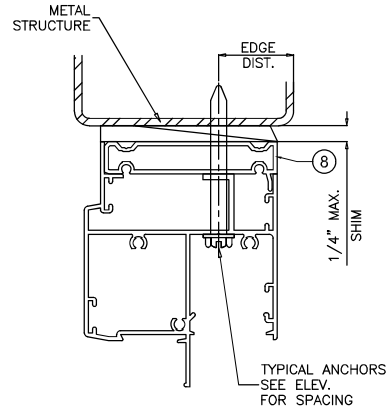
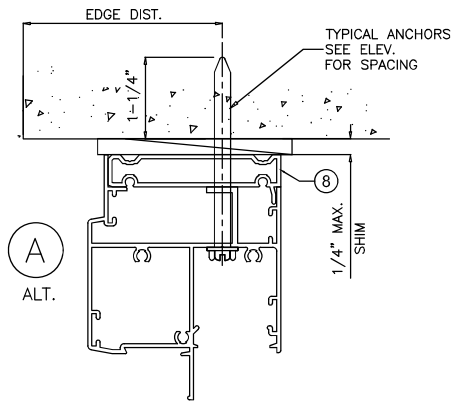




Revision:
REVISED TABLE
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ADDED DP
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	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				
	REGISTRATION #29296				
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 550 ALUMINUM FIXED WINDOW (L.M.I.)			Date
Title		Drawn By		A. M.	8/1/2022
HORIZONTAL CROSS SECTION DETAILS					
Series	550	DWG No.	PW550FFA - LMI		Rev.
Sheet		4 OF 6		A	





INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

Revision:
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BACKSTOP ON
INSTALL DETAIL

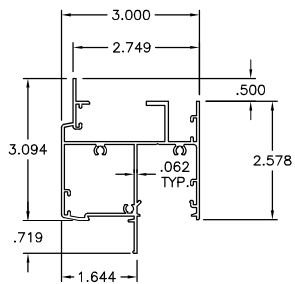
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

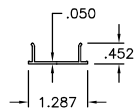
Rev.	Date	By	Drawn	Check	Series	Sheet	Of
A	8/1/2022	A. M.	PW550FFA - LMI	5	OF 6	SERIES 550	

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

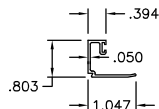
ANTHONY LYNN MILLER
LICENSE
No. 58705
9/19/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



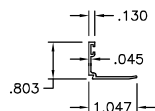
① FRAME HEAD/SILL/JAMB



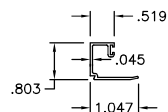
② SNAP COVER



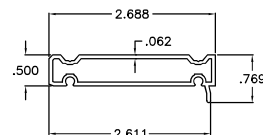
③ GLAZING BEAD (7/16" LAM GLASS)



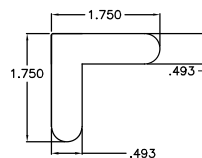
③A GLAZING BEAD (INSUL. LAM. GLASS)



③B GLAZING BEAD (5/16" LAM. GLASS)



⑧ FLUSH FRAME ADAPTER

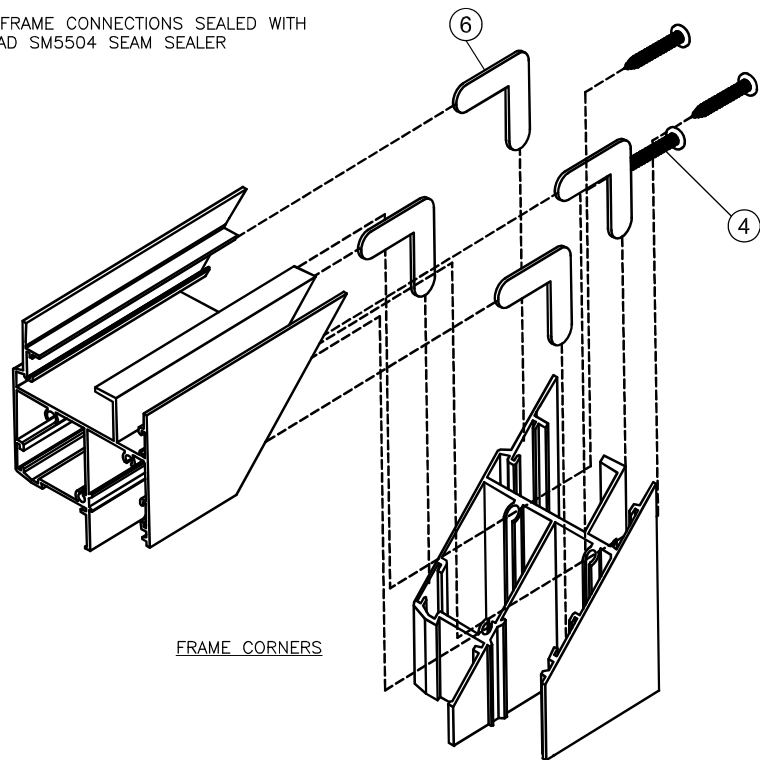


⑥ CORNER KEY

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E503	4	FRAME HEAD/SILL/JAMB	6063 - T6	-
2	E504	4	SNAP COVER	6063 - T6	-
3	FY109	AS REQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063 - T6	-
3A	E505	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063 - T6	-
3B	FY108	AS REQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063 - T6	-
4	#10 X 1-1/4"	3/ CORNER	ASSEMBLY SCREWS	ST. STEEL	-
5	E203	AS REQD.	GLAZING BEAD BULB. DUROMETER 65	SANTOPRENE	ULTRAFAB
6	PSJ40-SS	2/ CORNER	FRAME CORNER KEY	ST. STEEL	-
7	FLB-50	-	GLASS SPACER - 1/8" HIGH	SILICONE	FRANK LOWE
8	FY120	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
9	-	AS REQD.	SETTING BLOCK, 3/16" X 3/4" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A
10	-	-	INSUL. GLASS SPACER	VARIOUS	VARIOUS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE-MOREHEAD SM5504 SEAM SEALER



FRAME CORNERS

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REGISTRATION #29296

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

By DWG

A. M.

Rev. A

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