



**Product Approval**  
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OFFICE OF THE  
SECRETARY

| FL #                                                                   | FL32389-R5                                                                                                                                                                                                                        |                 |             |         |      |         |      |         |      |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|---------|------|---------|------|---------|------|
| Application Type                                                       | Revision                                                                                                                                                                                                                          |                 |             |         |      |         |      |         |      |
| Code Version                                                           | 2023                                                                                                                                                                                                                              |                 |             |         |      |         |      |         |      |
| Application Status                                                     | Approved                                                                                                                                                                                                                          |                 |             |         |      |         |      |         |      |
| Comments                                                               |                                                                                                                                                                                                                                   |                 |             |         |      |         |      |         |      |
| Archived                                                               | <input type="checkbox"/>                                                                                                                                                                                                          |                 |             |         |      |         |      |         |      |
| Product Manufacturer                                                   | Eco Window Systems                                                                                                                                                                                                                |                 |             |         |      |         |      |         |      |
| Address/Phone/Email                                                    | 8502 NW 80th Street<br>Suite 103<br>Medley, FL 33166<br>(305) 885-5299<br>carlos.martinez@ecowindowsystems.com                                                                                                                    |                 |             |         |      |         |      |         |      |
| Authorized Signature                                                   | Carlos Martinez<br>carlos.martinez@ecowindowsystems.com                                                                                                                                                                           |                 |             |         |      |         |      |         |      |
| Technical Representative                                               | Lynn Miller, P.E.                                                                                                                                                                                                                 |                 |             |         |      |         |      |         |      |
| Address/Phone/Email                                                    | 1070 Technology Dr<br>N Venice, FL 34275<br>(941) 486-0100 Ext 21142<br>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<br><input type="checkbox"/> 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<br><input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received                                                                                                                               |                 |             |         |      |         |      |         |      |
| Certificate of Independence                                            | <a href="#">FL32389_R5_COI_Cert of Independence.pdf</a>                                                                                                                                                                           |                 |             |         |      |         |      |         |      |
| Referenced Standard and Year (of Standard)                             | <table> <thead> <tr> <th><b>Standard</b></th><th><b>Year</b></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> | <b>Standard</b> | <b>Year</b> | TAS 201 | 1994 | TAS 202 | 1994 | TAS 203 | 1994 |
| <b>Standard</b>                                                        | <b>Year</b>                                                                                                                                                                                                                       |                 |             |         |      |         |      |         |      |
| 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 |
| Date Revised              | 12/13/2024 |

## Summary of Products

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

|                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> N/A<br><b>Other:</b> Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information. |                                  | <b>Installation Instructions</b><br><a href="#">FL32389_R5_II_PW350FPA - SMI REV A2.pdf</a><br>Verified By: A. Lynn Miller, P.E. PE-58705<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL32389_R5_AE_ECO_PW350SMI ENG EVAL REV A.pdf</a><br>Created by Independent Third Party: No    |
| 32389.7                                                                                                                                                                                                                                                                                                                             | Series 550 Aluminum Fixed Window | Large Missile Impact Resistant, Aluminum Fixed Window                                                                                                                                                                                                                                                                          |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> N/A<br><b>Other:</b> Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information. |                                  | <b>Installation Instructions</b><br><a href="#">FL32389_R5_II_PW550FPA - LMI REV A2.pdf</a><br>Verified By: A. Lynn Miller, P.E. PE-58705<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL32389_R5_AE_ECO_PW550LMI ENG EVAL REV A.pdf</a><br>Created by Independent Third Party: No    |
| 32389.8                                                                                                                                                                                                                                                                                                                             | Series 550 Aluminum Fixed Window | Small Missile Impact Resistant, Aluminum Fixed Window                                                                                                                                                                                                                                                                          |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> N/A<br><b>Other:</b> Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information. |                                  | <b>Installation Instructions</b><br><a href="#">FL32389_R5_II_PW550FPA - SMI REV A2.pdf</a><br>Verified By: A. Lynn Miller, P.E. PE-58705<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL32389_R5_AE_ECO_PW550SMI ENG EVAL REV A.pdf</a><br>Created by Independent Third Party: No    |
| 32389.9                                                                                                                                                                                                                                                                                                                             | Series 610 Aluminum Fixed Window | Impact Resistant, Aluminum Fixed Window                                                                                                                                                                                                                                                                                        |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> N/A<br><b>Other:</b> Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information. |                                  | <b>Installation Instructions</b><br><a href="#">FL32389_R5_II_PW610FSFPA - LMI REV A.pdf</a><br>Verified By: A. Lynn Miller, P.E. PE-58705<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL32389_R5_AE_ECO_PW610FSLMI ENG EVAL REV A.pdf</a><br>Created by Independent Third Party: No |
| 32389.10                                                                                                                                                                                                                                                                                                                            | Series 620 Aluminum Fixed Window | Impact Resistant, Aluminum Fixed Window                                                                                                                                                                                                                                                                                        |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> N/A<br><b>Other:</b> Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information. |                                  | <b>Installation Instructions</b><br><a href="#">FL32389_R5_II_PW620FSFPA - LMI REV A.pdf</a><br>Verified By: A. Lynn Miller, P.E. PE-58705<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL32389_R5_AE_ECO_PW620FSLMI ENG EVAL REV A.pdf</a><br>Created by Independent Third Party: No |

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Product Approval Accepts:



SERIES-610FS  
ALUMINUM FIXED WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER WINDOW (UNDER SEPARATE APPROVAL) TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF’S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

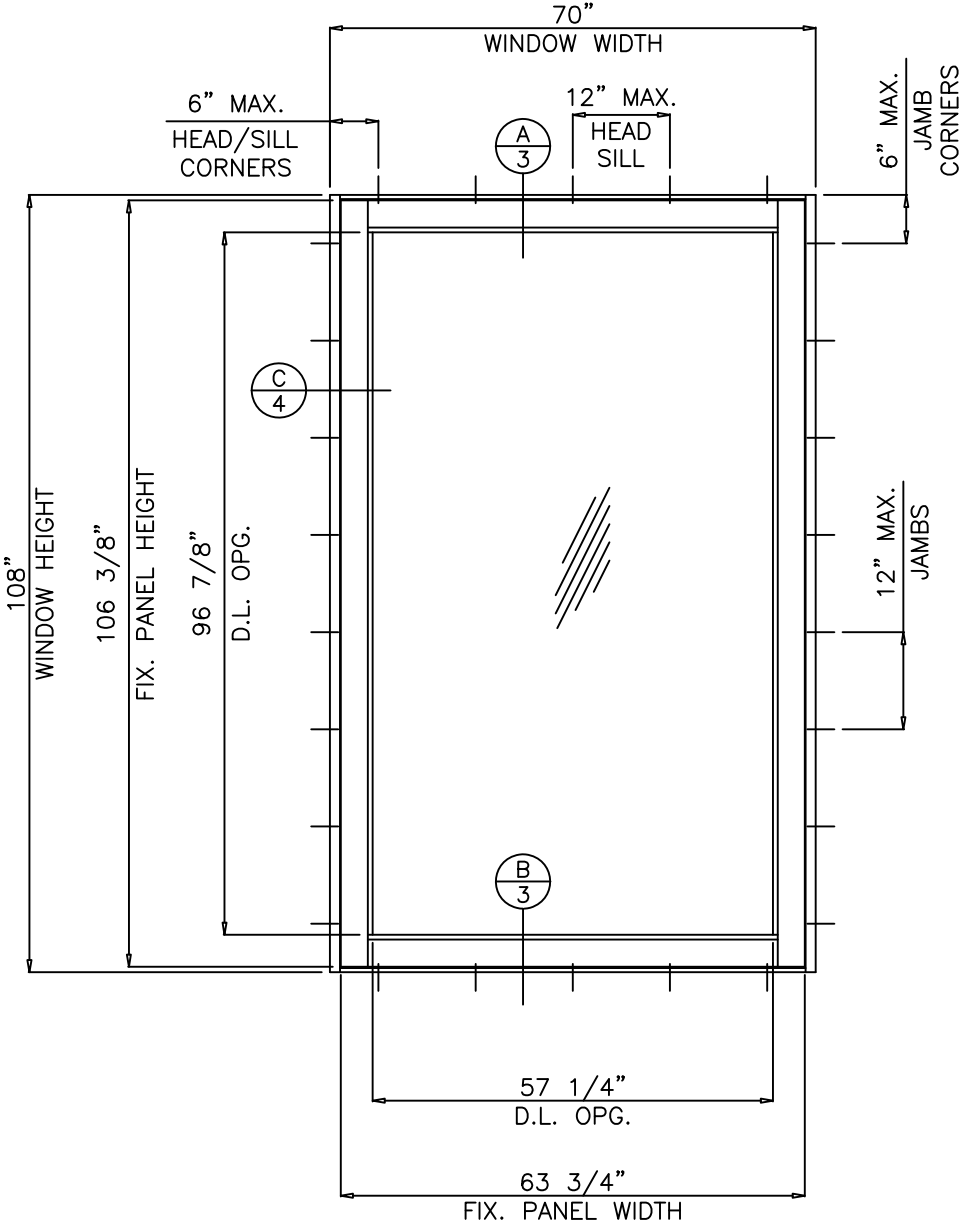
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL

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

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

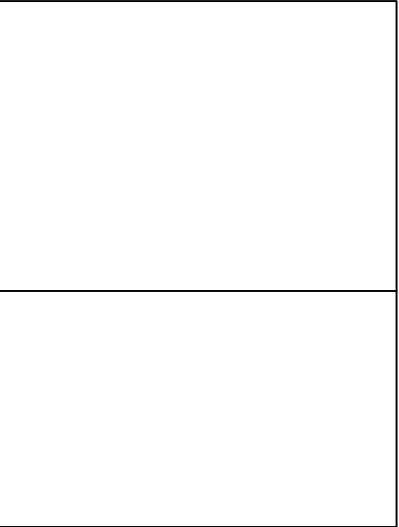
ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.



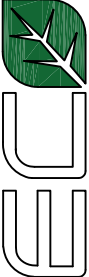
TYPICAL ELEVATION

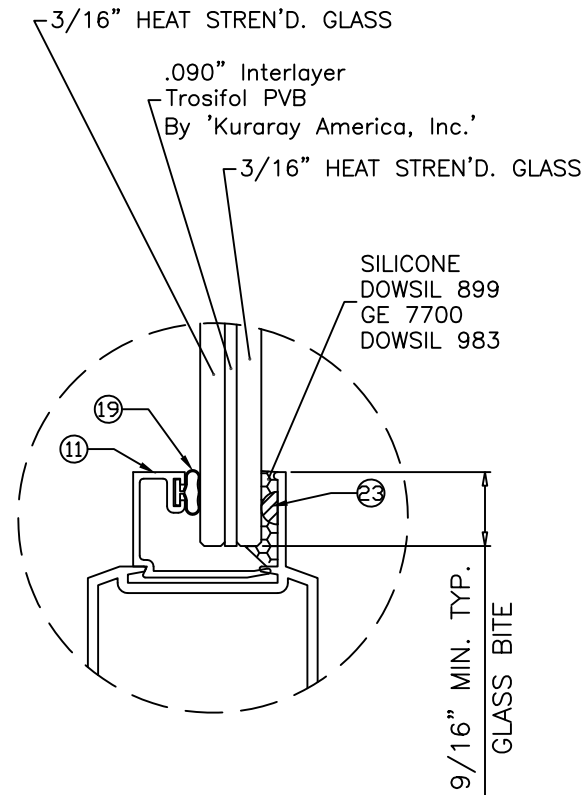
TESTED UNIT

DAYLITE OPENING  
D.L.O. WIDTH = FRAME WIDTH - 12.750"  
D.L.O. HEIGHT = WINDOW HEIGHT - 11.125"

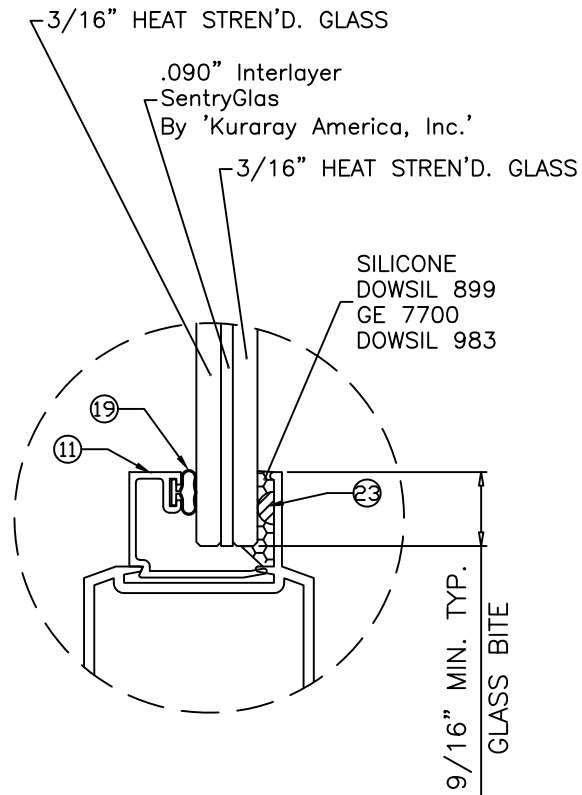


|                 |               |
|-----------------|---------------|
| Revision:       | REVISED TABLE |
|                 | FORMAT,       |
|                 | ADDED DP      |
|                 | TABLE         |
|                 | ROUNDING,     |
| ANSI Z97.1, AND | ANCHOR HEAD   |
|           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

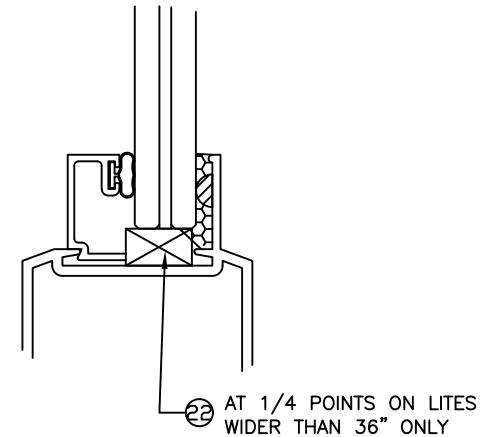
|                                                                                                                                                                                                            |                                                    |                                                                                                        |                                            |                |              |               |                |                      |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------|--------------|---------------|----------------|----------------------|---------------|
| <br><b>ECO WINDOW SYSTEMS, LLC.</b><br>8502 N.W. 80th ST. MEDLEY, FL 33166<br>TEL. (305) 885-5299 FAX. (305) 885-5902 | <b>series-610FS ALUMINUM FIXED WINDOW (L.M.I.)</b> |                                                                                                        | <b>GENERAL INFORMATION &amp; ELEVATION</b> |                | <b>Sheet</b> | <b>1 OF 6</b> | <b>DWG No.</b> | <b>PW610FSLM-FPA</b> | <b>Rev. A</b> |
|                                                                                                                                                                                                            |                                                    |                                                                                                        |                                            |                |              |               |                |                      |               |
|                                                                                                                                                                                                            |                                                    |                                                                                                        |                                            |                |              |               |                |                      |               |
|                                                                                                                                                                                                            |                                                    |                                                                                                        |                                            |                |              |               |                |                      |               |
|                                                                                                                                                                                                            |                                                    |                                                                                                        |                                            |                |              |               |                |                      |               |
| <b>Title</b>                                                                                                                                                                                               |                                                    | <b>2/10/2022</b>                                                                                       | <b>Date</b>                                | <b>HONG C.</b> |              |               |                |                      |               |
| <b>Desc.</b>                                                                                                                                                                                               |                                                    | <b>PREPARED BY A. LYNN MILLER<br/>1070 TECHNOLOGY DRIVE<br/>N. VENICE, FL 34275<br/>(941) 480-1600</b> |                                            |                |              |               |                |                      |               |
| <b>Series</b>                                                                                                                                                                                              |                                                    | <b>REGISTRATION #29296</b>                                                                             |                                            |                |              |               |                |                      |               |



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

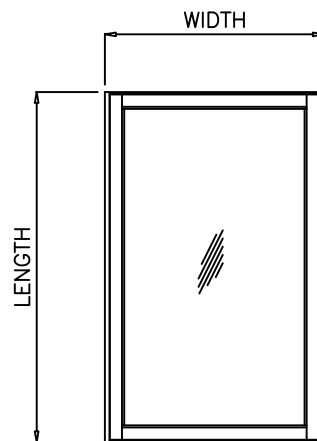


**GLASS TYPE 'B'**  
7/16" NOM. LAM. GLASS



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

**GLAZING OPTIONS**



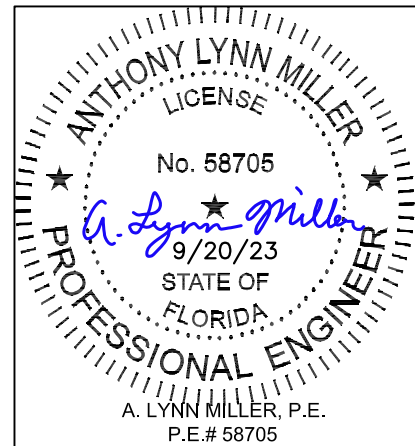
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

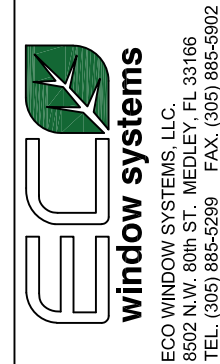
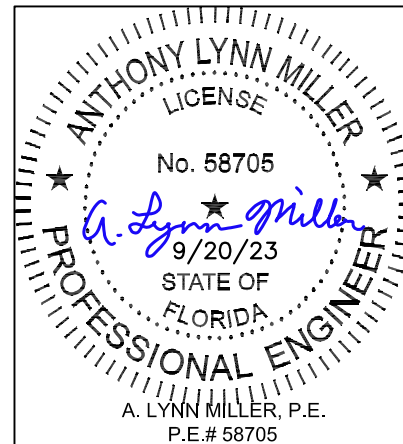
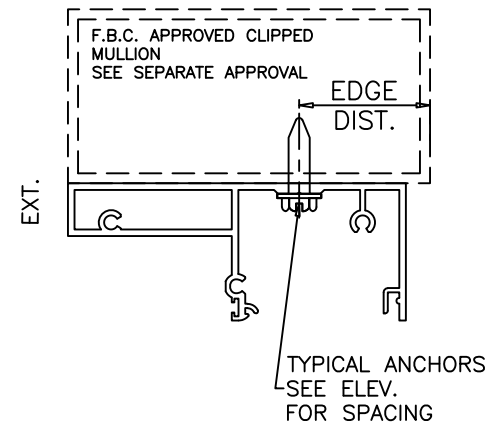
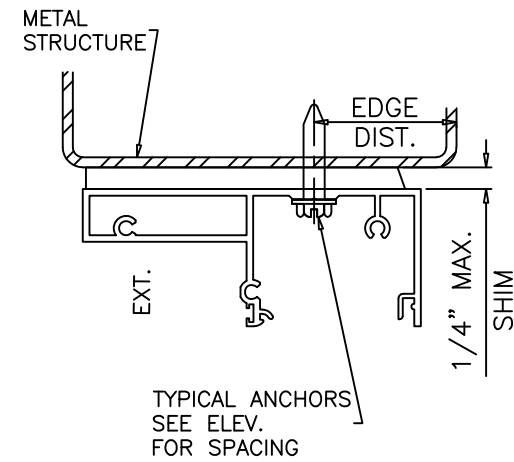
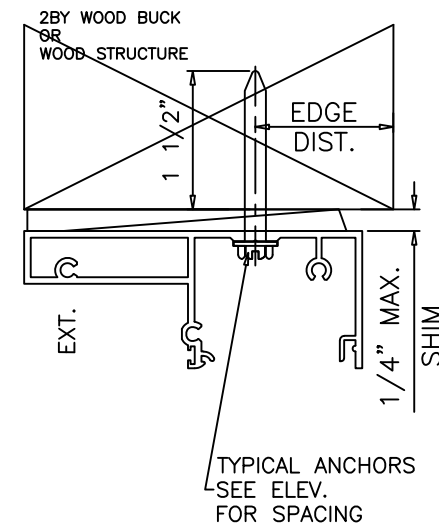
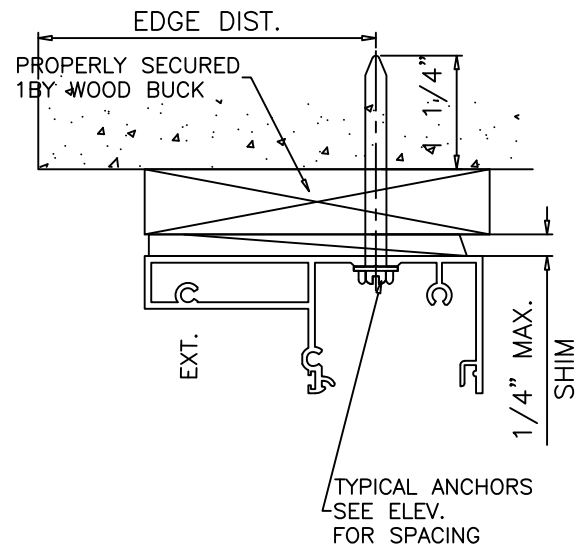
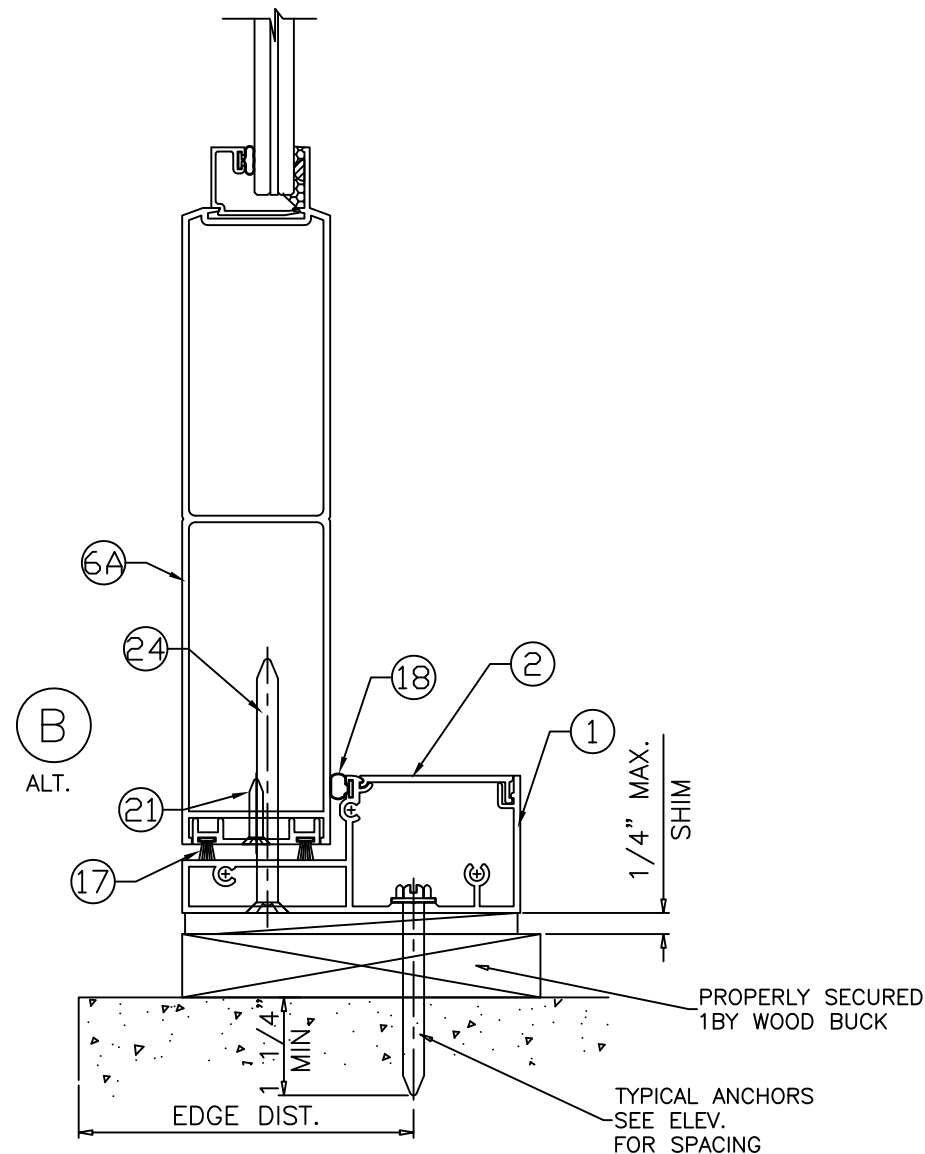
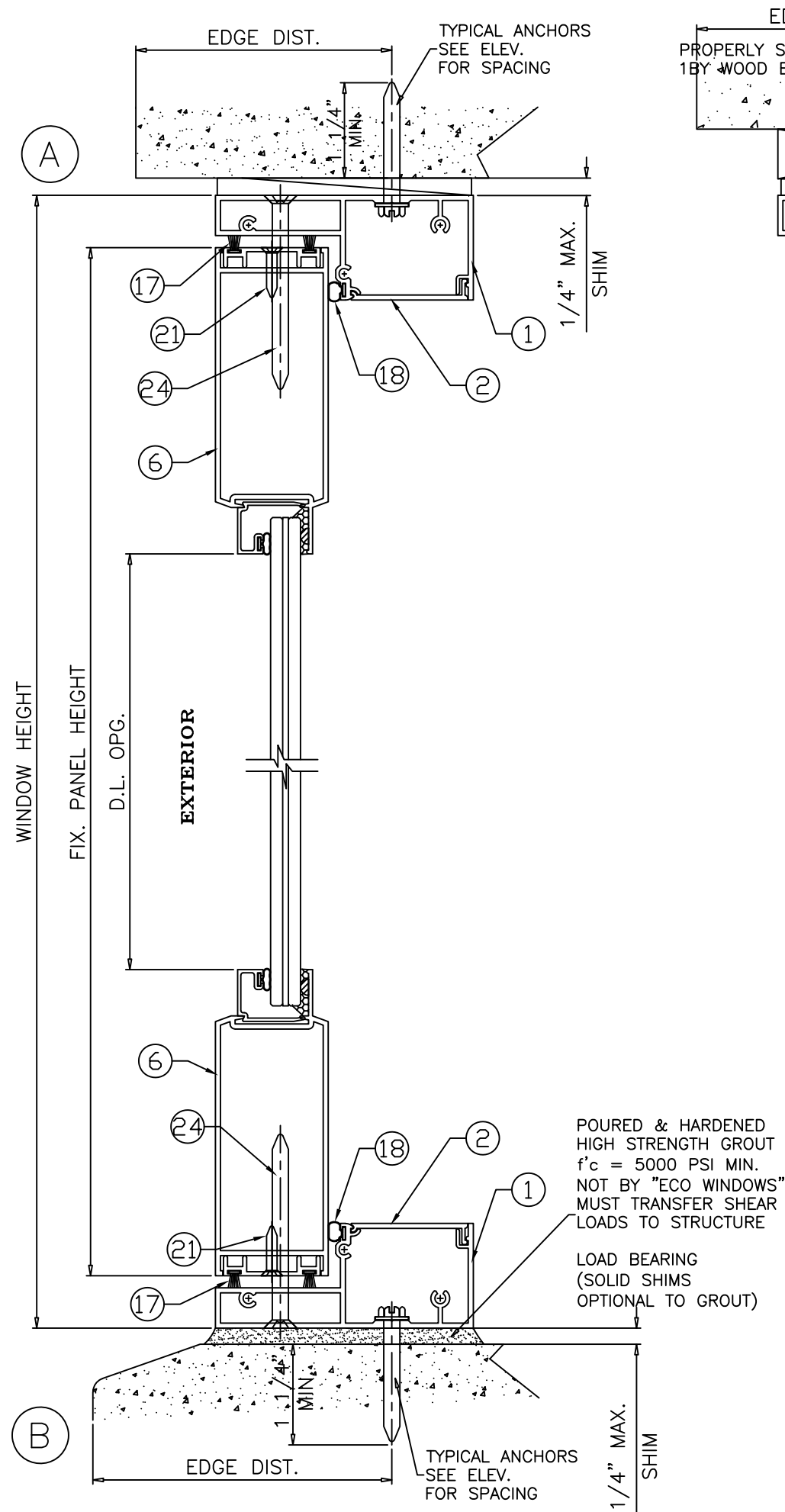
| Design Load Capacity - PSF |     |                   |       |       |       |       |       |       |       |
|----------------------------|-----|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Glass Tyoes<br>'A' & 'B'   |     | Window Length (L) |       |       |       |       |       |       |       |
|                            |     | 90"               |       | 96"   |       | 102"  |       | 108"  |       |
| Window Width (W)           | 36" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |
|                            | 42" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |
|                            | 48" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |
|                            | 54" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |
|                            | 60" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |
|                            | 66" | +60.0             | -60.0 | +60.0 | -60.0 | +60.0 | -60.0 |       |       |
|                            | 70" | +60.0             | -60.0 | +60.0 | -60.0 |       |       |       |       |
|                            | 72" | +58.3             | -58.3 | +58.3 | -58.3 |       |       |       |       |
|                            | 78" | +53.8             | -53.8 |       |       |       |       |       |       |

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

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

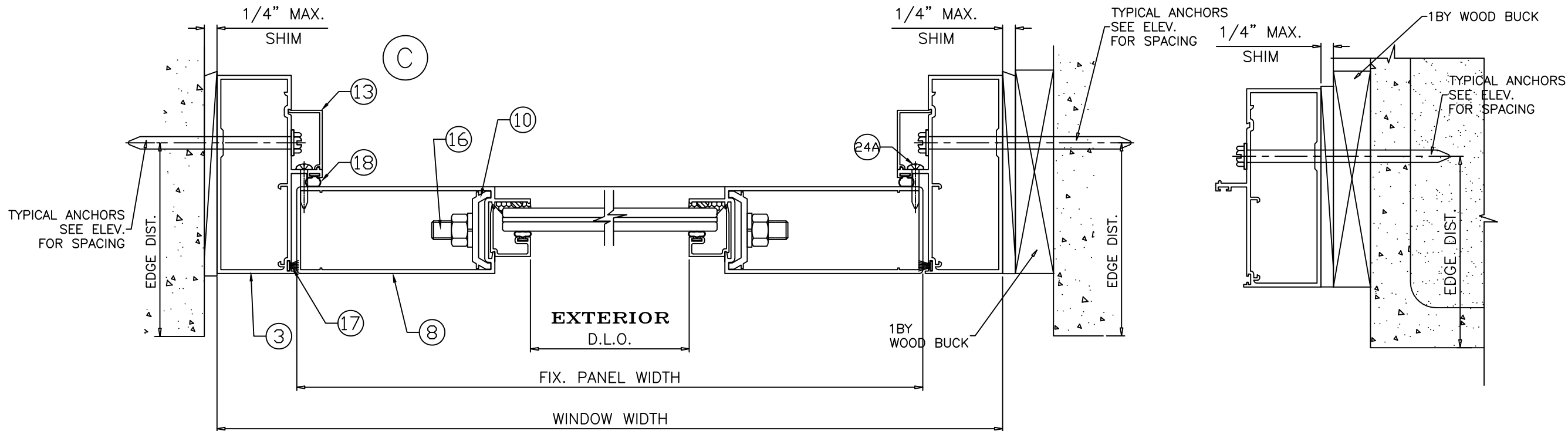
|                                                                                                                |                                             |           |                          |              |               |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------|--------------------------|--------------|---------------|
| PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600                   | REGISTRATION #29296                         | 2/10/2022 | HONG C.                  | Rev.         | A             |
|                                                                                                                |                                             |           |                          | By           | PW610FSLM-FPA |
|                                                                                                                |                                             |           |                          | DWG          | No.           |
| <br>ECO WINDOW SYSTEMS, LLC.<br>8502 N.W. 80th ST. MEDLEY, FL 33166<br>TEL. (305) 885-5299 FAX. (305) 885-5902 | SERIES-610FS ALUMINUM FIXED WINDOW (L.M.I.) | 2 OF 6    | DP CHART & GLASS OPTIONS | Sheet        |               |
|                                                                                                                |                                             |           |                          | SERIES 610FS |               |
|                                                                                                                |                                             |           |                          | Title        |               |





|                                                                                                                                                                                                              |  |  |                                                                                              |               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------|---------------|--|
|  <div>ECOWINDOW SYSTEMS, LLC.<br/>8502 N.W. 80th ST. MEDLEY, FL 33166<br/>TEL. (305) 885-5299 FAX. (305) 885-5902</div> |  |  | PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600 |               |  |
|                                                                                                                                                                                                              |  |  | REGISTRATION #29296                                                                          |               |  |
|                                                                                                                                                                                                              |  |  |                                                                                              |               |  |
| SERIES-610FS ALUMINUM FIXED WINDOW (L.M.I.)                                                                                                                                                                  |  |  | Date                                                                                         | 2/10/2022     |  |
| VERTICAL SECTION DETAILS                                                                                                                                                                                     |  |  | By                                                                                           | HONG C.       |  |
| SERIES 610FS                                                                                                                                                                                                 |  |  | DWG No.                                                                                      | PW610FSLM-FPA |  |
| 3 OF 6                                                                                                                                                                                                       |  |  | A                                                                                            |               |  |

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

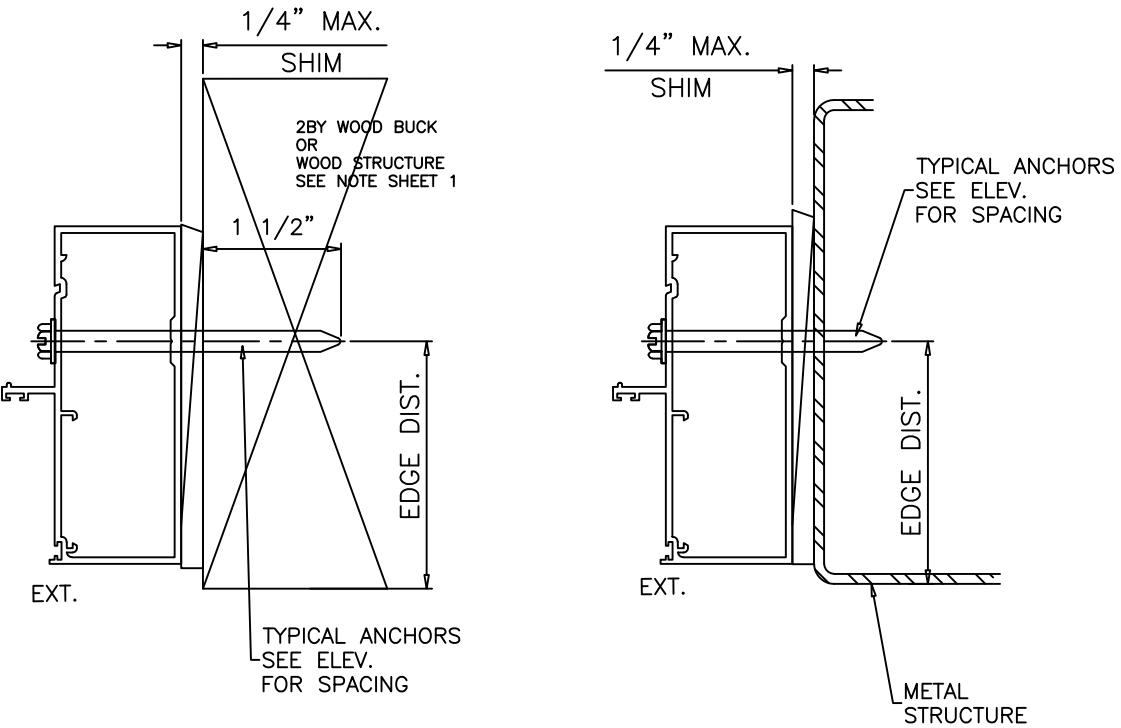


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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

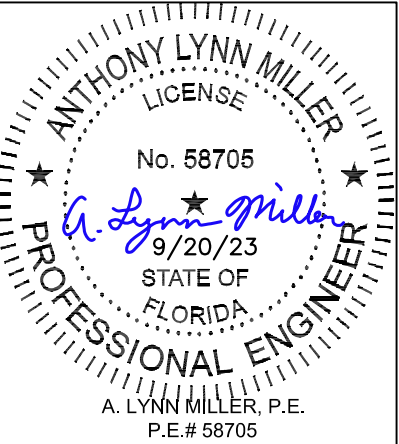
| Anchor Type                               | Frame Member | Substrate                                                        | Min. Edge Distance | Min. Embedment or Metal Thickness       |
|-------------------------------------------|--------------|------------------------------------------------------------------|--------------------|-----------------------------------------|
| 1/4" DeWalt UltraCon +                    | All          | Southern Pine (SG = 0.55)                                        | 1"                 | 1-1/2"                                  |
|                                           | All          | Thru 1BY Buck into Concrete (min. 3 ksi)                         | 2-1/2"             | 1-1/4"                                  |
|                                           | Jambs        | Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi) | 2-1/2"             | 1-1/4"                                  |
|                                           | All          | Concrete (min. 3ksi)                                             | 2-1/2"             | 1-1/4"                                  |
|                                           | Jambs        | Hollow or Filled Block (ASTM C90, min. 2 ksi)                    | 2-1/2"             | 1-1/4"                                  |
| 1/4" TEKS or Self Drilling Screws (Gr. 5) | All          | F.B.C Approved Mullions                                          | 3/4"               | (3) Threads min. beyond metal thickness |
|                                           | All          | Aluminum 1/8" Thk. Min. (6063-T5)                                | 3/4"               | (3) Threads min. beyond metal thickness |
|                                           | All          | Steel 1/8" Thk. Min. (min. 36 ksi)                               | 3/4"               | (3) Threads min. beyond metal thickness |

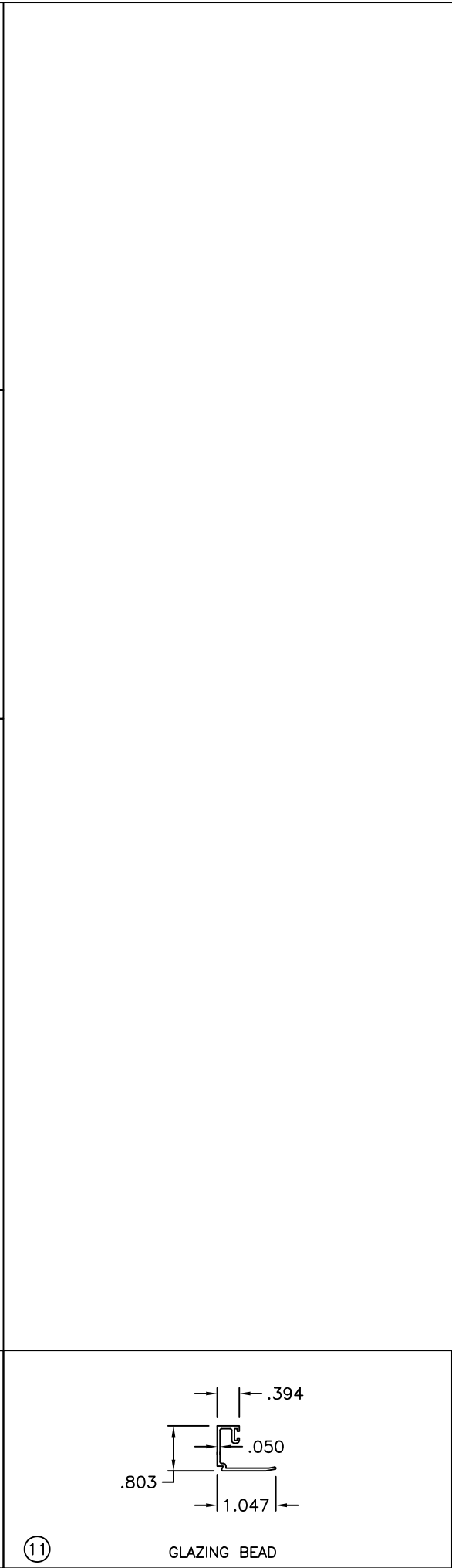
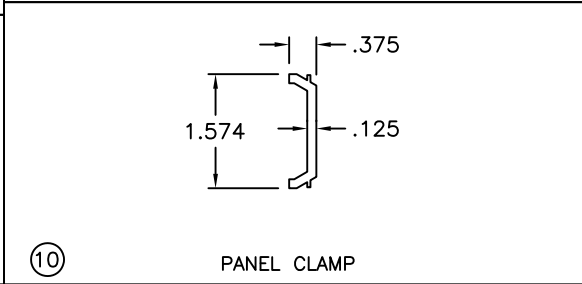
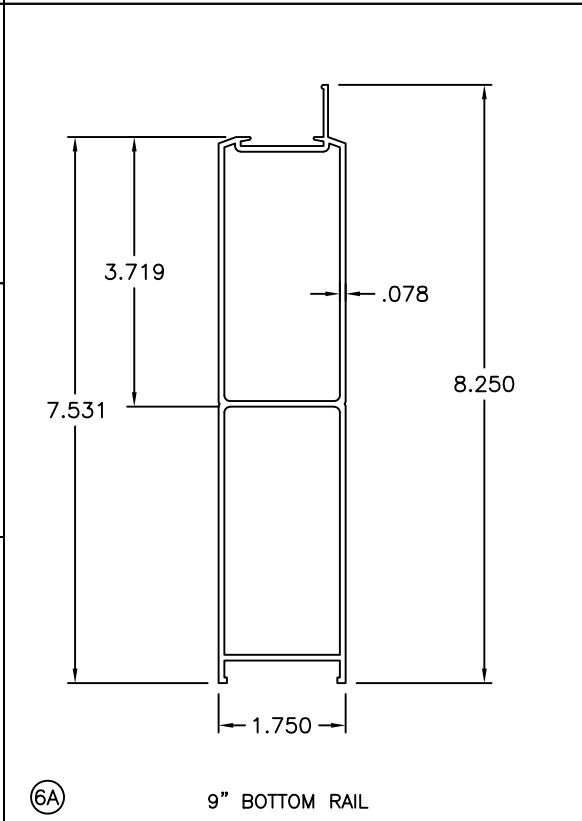
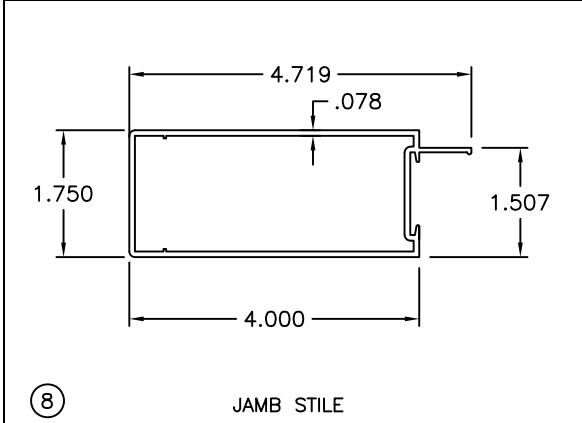
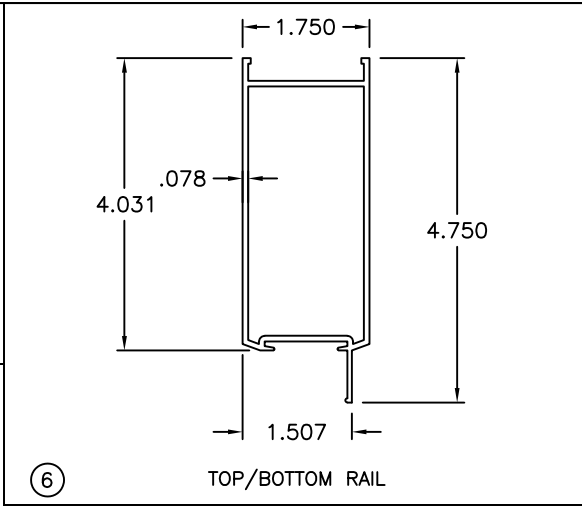
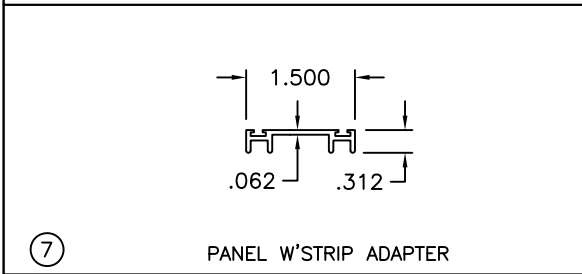
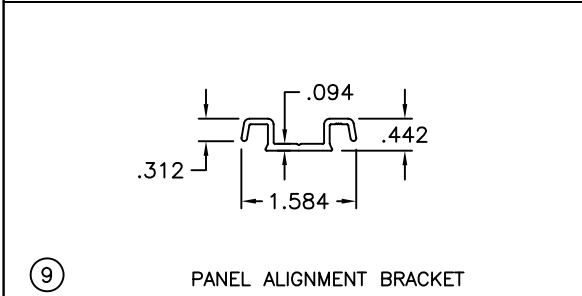
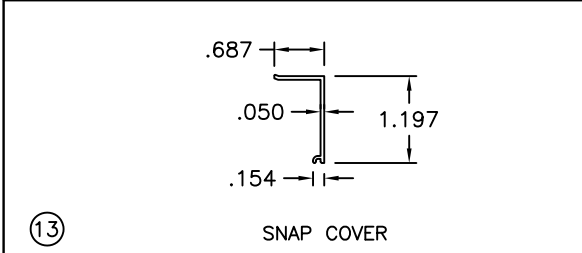
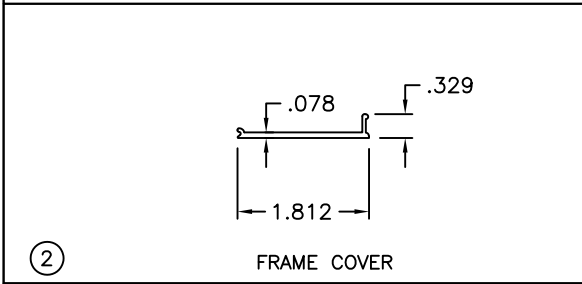
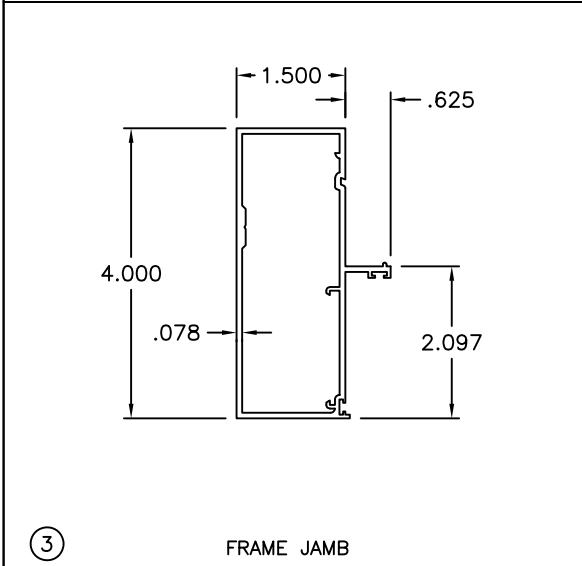
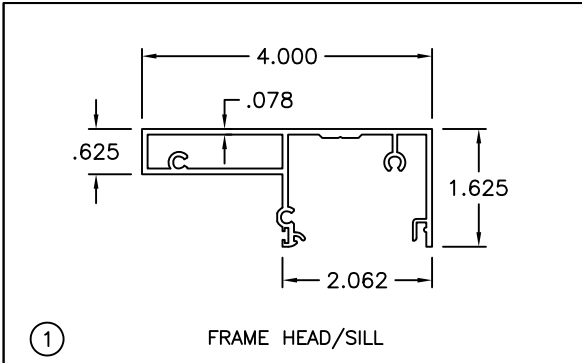
- STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
- ALL ANCHOR HEAD TYPES ARE ACCEPTABLE



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

|                                                                                                            |                                             |                                             |         |               |   |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------|---------------|---|
| PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600               | REGISTRATION #29296                         | 2/10/2022                                   | HONG C. | PW610FSLM-FPA | A |
|                                                                                                            |                                             |                                             |         |               |   |
|                                                                                                            |                                             |                                             |         |               |   |
| ECO WINDOW SYSTEMS, LLC.<br>8502 N.W. 80th ST. MEDLEY, FL 33166<br>TEL: (305) 885-5299 FAX: (305) 885-5902 | SERIES-610FS ALUMINUM FIXED WINDOW (L.M.I.) | HORIZONTAL SECTION DETAILS & ANCHOR DETAILS | 4 OF 6  | 610FS         | A |
|                                                                                                            |                                             |                                             |         |               |   |
|                                                                                                            |                                             |                                             |         |               |   |

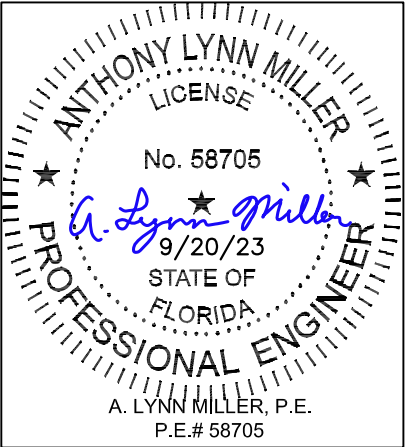


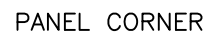
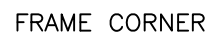


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|                 |
|-----------------|
| Revision:       |
| REVISED TABLE   |
| FORMAT,         |
| ADDED DP        |
| TABLE           |
| ROUNDING,       |
| ANSI Z97.1, AND |
| ANCHOR HEAD     |
| TYPE NOTES,     |
| REMOVED         |
| SILICONE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

|                                                                                                            |                                             |                    |         |               |   |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------|---------|---------------|---|
| PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600               | REGISTRATION #29296                         | 2/10/2022          | HONG C. | PW610FSLM-FPA | A |
|                                                                                                            |                                             |                    |         |               |   |
| ECO WINDOW SYSTEMS, LLC.<br>8502 N.W. 80th ST. MEDLEY, FL 33166<br>TEL: (305) 885-5299 FAX: (305) 885-5902 | SERIES-610FS ALUMINUM FIXED WINDOW (L.M.I.) | EXTRUSION PROFILES | 5 OF 6  | PW610FSLM-FPA | A |
|                                                                                                            |                                             |                    |         |               |   |



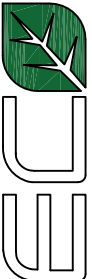


| ITEM # | PART #         | REQD.     | DESCRIPTION                                       | MATERIAL  | MANF./SUPPLIER/REMARKS              |
|--------|----------------|-----------|---------------------------------------------------|-----------|-------------------------------------|
| 1      | E601           | —         | FRAME HEAD/SILL                                   | 6063 — T6 | —                                   |
| 2      | E602           | —         | FRAME COVER                                       | 6063 — T6 | —                                   |
| 3      | E603           | —         | FRAME JAMB                                        | 6063 — T6 | —                                   |
| 6      | E607           | —         | TOP & BOTTOM RAIL                                 | 6063 — T6 | —                                   |
| 6A     | E625           | —         | 9" BOTTOM RAIL                                    | 6063 — T6 | —                                   |
| 7      | E608           | —         | PANEL W'STRIP ADAPTER                             | 6063 — T6 | —                                   |
| 8      | E609           | —         | JAMB STILE                                        | 6063 — T6 | —                                   |
| 9      | E612           | —         | PANEL ALIGNMENT BRACKET                           | 6063 — T6 | —                                   |
| 10     | E613           | 1/ CORNER | PANEL CLAMP                                       | 6063 — T6 | 4-1/4" LONG                         |
| 11     | FY109          | —         | GLAZING BEAD                                      | 6063 — T6 | —                                   |
| 13     | E616           | —         | SNAP COVER                                        | 6063 — T6 | —                                   |
| 15     | #10 X 1-1/4"   | AS REQD.  | FRAME ASSEMBLY SCREWS                             | ST. STEEL | HH SMS                              |
| 16     | —              | —         | 3/8" DIA. THREADED ROD                            | STEEL     | —                                   |
| 17     | W11323         | —         | PILE W'STRIPPING                                  | WOOL      | ULTRAFAB                            |
| 18     | E20618-KN-3020 | —         | BULB W'STRIPPING                                  | EPDM      | —                                   |
| 19     | E206           | —         | GLAZING BEAD BULB                                 | EPDM      | ULTRAFAB                            |
| 20     | —              | —         | XL EDGE SPACER (INSUL. LAM. GLASS)                | ST. STEEL | CARDINAL                            |
| 21     | #10 X 3/4"     | AS REQD.  | ADAPTER FASTENERS, AT 5" FROM ENDS & 27" O.C.     | —         | FH SELF DRILLING SCREWS             |
| 22     | —              | 2/ LITE   | SETTING BLOCK, 1/4" X 1/2" X 4"LONG               | EPDM      | AT 6" FROM EACH END, DUROMETER 80±5 |
| 22A    | —              | 2/ LITE   | SETTING BLOCK, 1/4" X 3/4" X 4"LONG               | EPDM      | AT 6" FROM EACH END, DUROMETER 80±5 |
| 23     | —              | AS REQD.  | GLASS SPACER                                      | SILICONE  | FRANK LOWE RUBBER CO.               |
| 24     | #14 X 3"       | AS REQD.  | FIX. PANEL FASTENERS, AT 6" FROM ENDS & 14" O.C.  | ST. STEEL | FH SELF DRILLING SCREWS             |
| 24A    | #10 X 1"       | AS REQD.  | FIX. PANEL FASTENERS, AT 10" FROM ENDS & 12" O.C. | ST. STEEL | FH SELF DRILLING SCREWS             |

SEALANT:

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

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

|                                                                                                                    |                                                                                                            |                   |                                                                                              |           |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------|-----------|
| <br><b>eco window systems</b> | ECO WINDOW SYSTEMS, LLC.<br>8502 N.W. 80th ST. MEDLEY, FL 33166<br>TEL. (305) 885-5299 FAX. (305) 885-5902 |                   | PREPARED BY A. LYNN MILLER<br>1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>(941) 480-1600 |           |
|                                                                                                                    | REGISTRATION #29296                                                                                        |                   | REGISTRATION #29296                                                                          |           |
| SERIES-610FS ALUMINUM FIXED WINDOW (L.M.I.)                                                                        |                                                                                                            | Date 2/10/2022    |                                                                                              |           |
| BOM & CORNER DETAILS                                                                                               |                                                                                                            | Drawn By HONG C.  |                                                                                              |           |
| Series Desc.                                                                                                       | SHEET<br>SERIES 610FS                                                                                      | DWG No.<br>6 OF 6 | PW610FSLM-FPA                                                                                | Rev.<br>A |

