



Product Approval
USER: Public User

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OFFICE OF THE
SECRETARY

FL #	FL40096-R3
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 carlos.martinez@ecowindowsystems.com
Authorized Signature	Carlos Martinez carlos.martinez@ecowindowsystems.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	Single Hung
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	FL40096_R3_COI_Cert of Independence.pdf
Referenced Standard and Year (of Standard)	Standard TAS 201, 202 & 203
	Year 1994
Equivalence of Product Standards Certified By	
Sections from the Code	

Product Approval Method

Method 1 Option D

Date Submitted	10/13/2023
Date Validated	10/13/2023
Date Pending FBC Approval	10/22/2023
Date Approved	12/13/2023
Date Revised	12/13/2024

Summary of Products

FL #	Model, Number or Name	Description
40096.1	Eco-Guard Series 100 Single Hung	Small Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH100SM-FPA REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH100SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
40096.2	Eco-Guard Series 100 Single Hung	Large Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH100LM-FPA REV B.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH100LMI ENG EVAL REV B.pdf Created by Independent Third Party: No
40096.3	Eco-Guard Series 50 Single Hung	Large Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH50FPA-LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH50LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
40096.4	Eco-Guard Series 50 Single Hung	Non-Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH50FPA-NI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH50NI ENG EVAL REV A.pdf Created by Independent Third Party: No
40096.5	Series 150 Single Hung	Large Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH150FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: Yes Evaluation Reports FL40096_R3_AE_ECO_SH150LMI ENG EVAL REV A.pdf Created by Independent Third Party: Yes
40096.6	Series 150 Single Hung	Small Missile Impact Resistant, Aluminum Single Hung Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes		Installation Instructions FL40096_R3_II_SH150FPA - SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No

Design Pressure: N/A Other: Please see the enclosed documents for product performance information, anchorage details, and anchor type, size, and spacing information.		Evaluation Reports FL40096_R3_AE_ECO_SH150SMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
40096.7	Series 155 Single Hung	Large Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH155FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH155LMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
40096.8	Series 155 Single Hung	Small Missile Impact Resistant, Aluminum Single Hung 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 FL40096_R3_II_SH155FPA - SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40096_R3_AE_ECO_SH155SMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No

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

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Product Approval Accepts:



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

SERIES-150 (L.M.I.)
ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG 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.

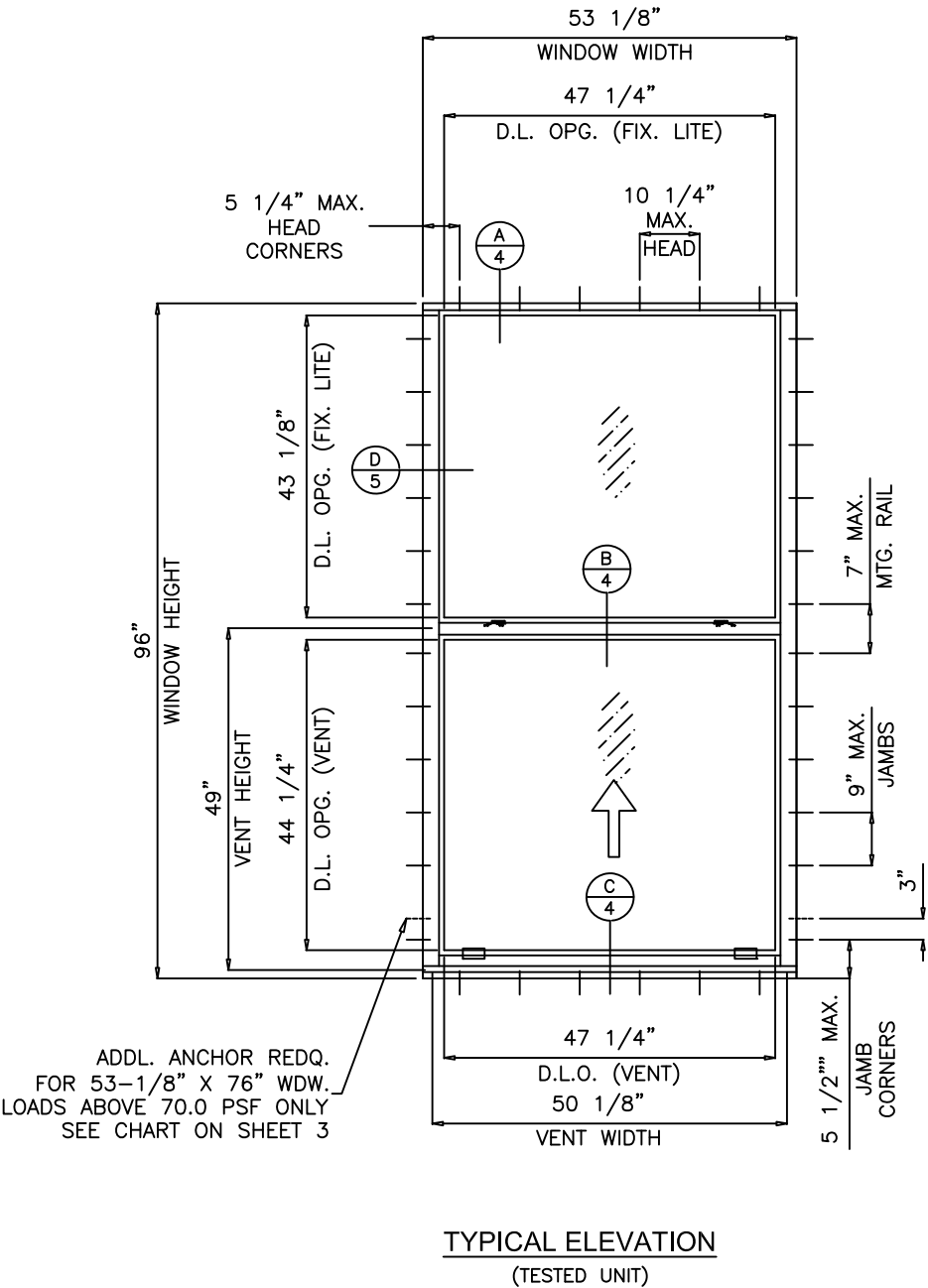
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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.

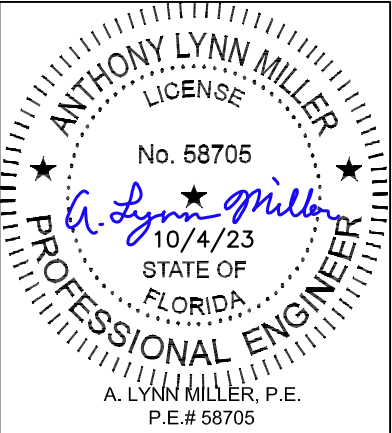
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

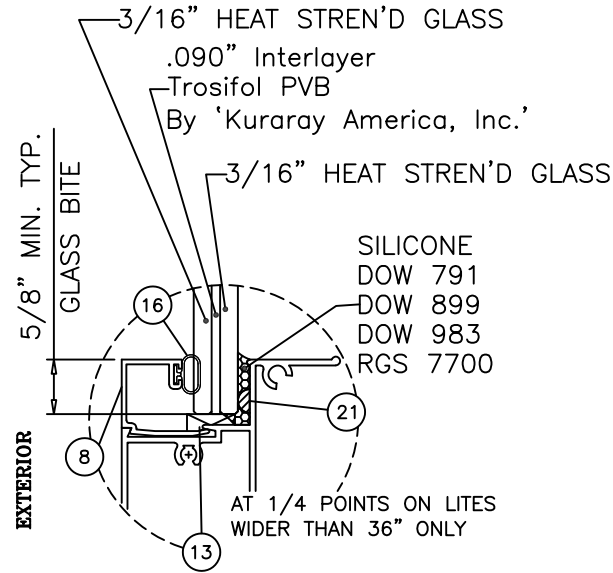
DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



Revision:	REVISED TABLE
	FORMAT, ADDED DP
Revision:	TABLE
	ROUNDING AND
Revision:	ANCHOR HEAD
	TYPE NOTES, REMOVED
Revision:	SILICONE AND
	BACKSTOP ON
Revision:	INSTALL DETAIL

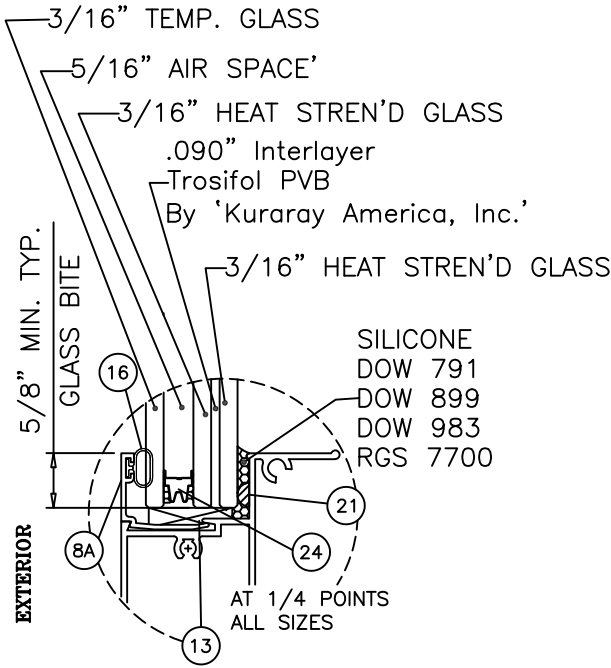
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	8/1/2022	A. M.	SH150FPA - LMI	A
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)	GENERAL INFORMATION & ELEVATION	1 OF 8	1	8
window systems	ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 150	1	8	8





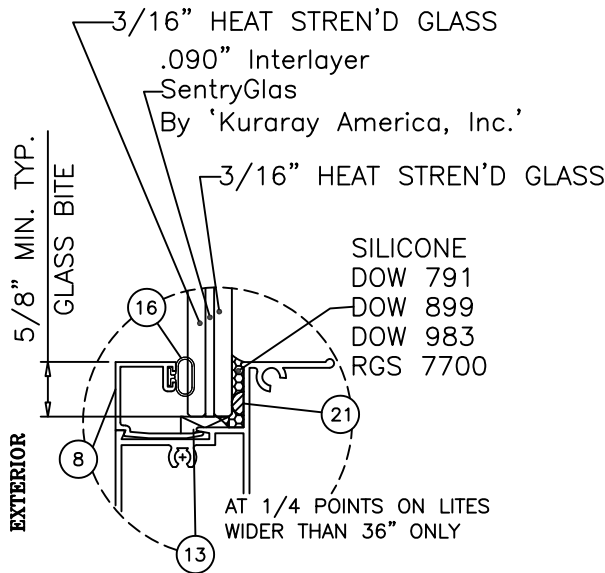
GLASS TYPE 'G1'

7/16" OVERALL LAM. GLASS



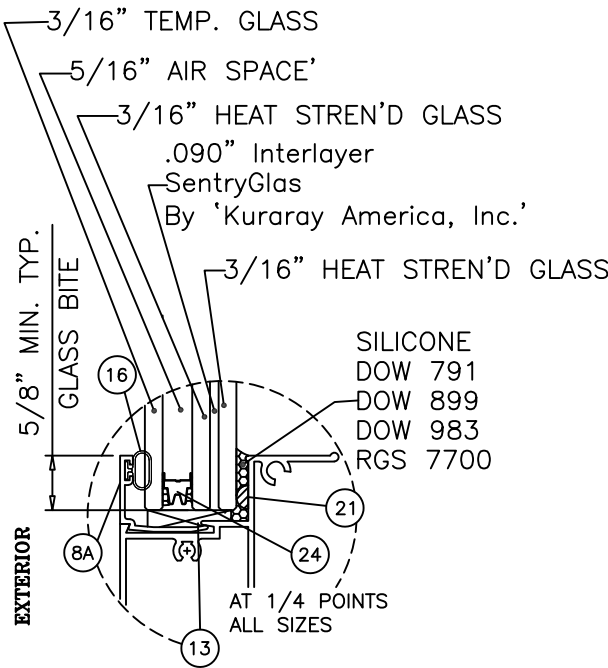
GLASS TYPE 'G2'

15/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'G3'

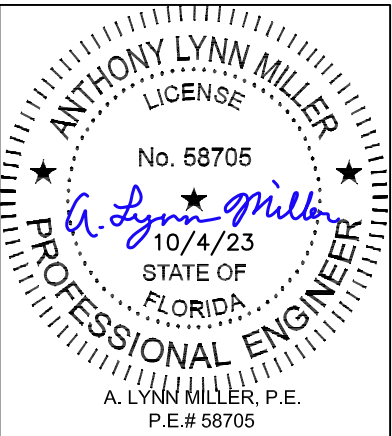
7/16" OVERALL LAM. GLASS



GLASS TYPE 'G4'

15/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS



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

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

REGISTRATION #29296

Title	Series	Desc.	Sheet	Dwg No.	Rev.	Date
						8/1/2022
GLASS TYPES				2 OF 8	SH150FPA - LMI	A
SERIES 150						

Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING AND
ANCHOR HEAD
TYPE NOTES,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

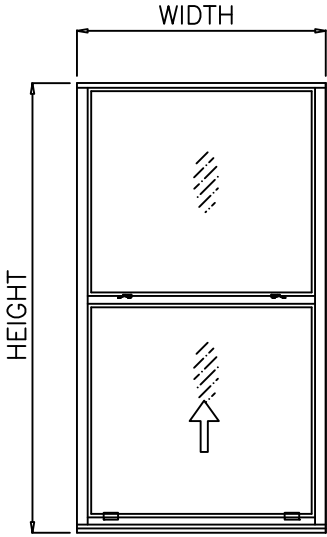
Equal Lites Windows													
Design Load Capacity - PSF													
Window Width (in.)	Glass Type	Window Height (in.)											
		38-3/8" (4)		50-5/8" (6)		63" (6)		76" (8)		84" (10)		96" (12)	
19-1/8"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0
26-1/2"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0
30"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0
42"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0
48"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	-	-
53-1/8"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0 *	-	-	-	-

* ADDL. ANCHORS REQD. AT SILL ENDS
FOR THIS SIZE AND LOAD ONLY.

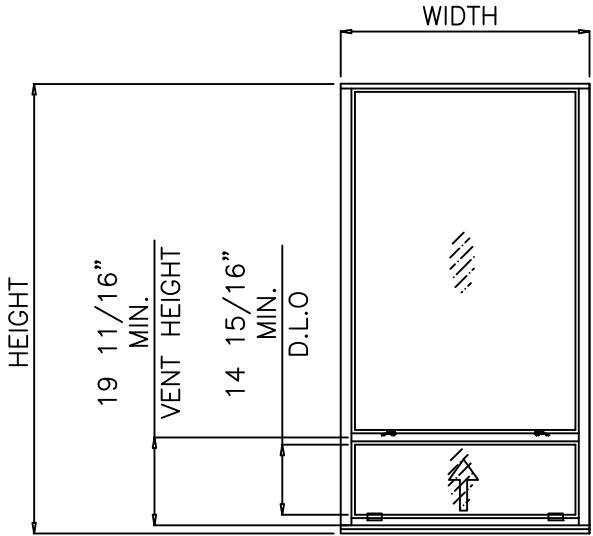
Unequal Lites Windows													
Design Load Capacity - PSF													
Window Width (in.)	Glass Type	Window Height (in.)											
		38-3/8" (4)		50-5/8" (6)		63" (6)		76" (8)		84" (10)		96" (12)	
19-1/8"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0
26-1/2"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	-	-
30"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	-	-
42"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	-	-	-	-
	G3 & G4	+80.0	-120.0	+80.0	-120.0	+80.0	-120.0	-	-	-	-	-	-
48"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	-	-	-	-	-	-
	G3 & G4	+80.0	-120.0	+80.0	-120.0	-	-	-	-	-	-	-	-
53-1/8"	G1 & G2	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	-	-	-	-	-	-
	G3 & G4	+80.0	-120.0	+80.0	-120.0	-	-	-	-	-	-	-	-

NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.
FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE
WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

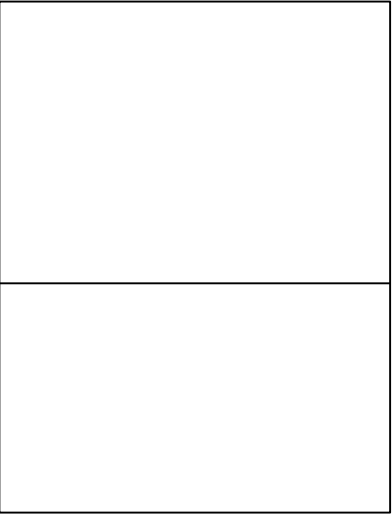
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



EQUAL LITES

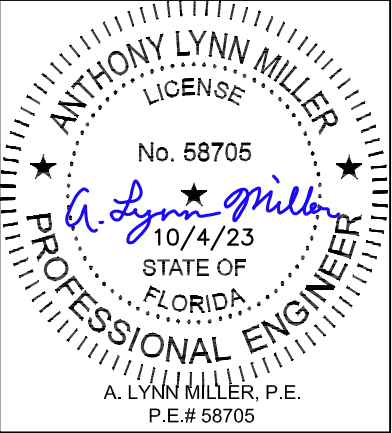


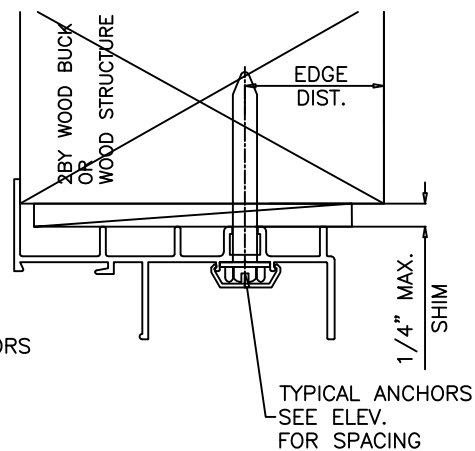
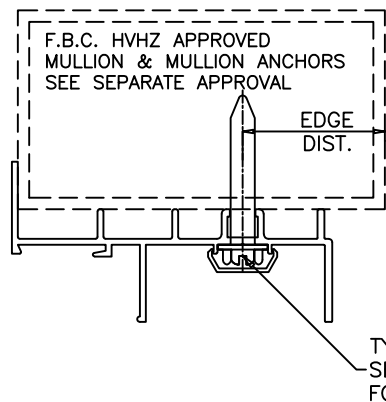
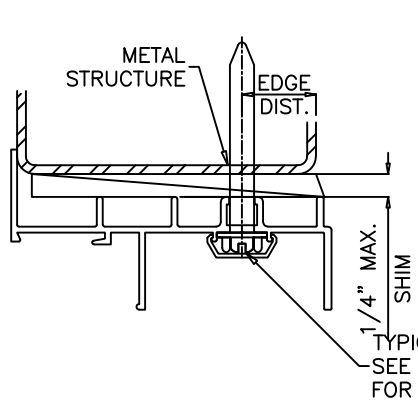
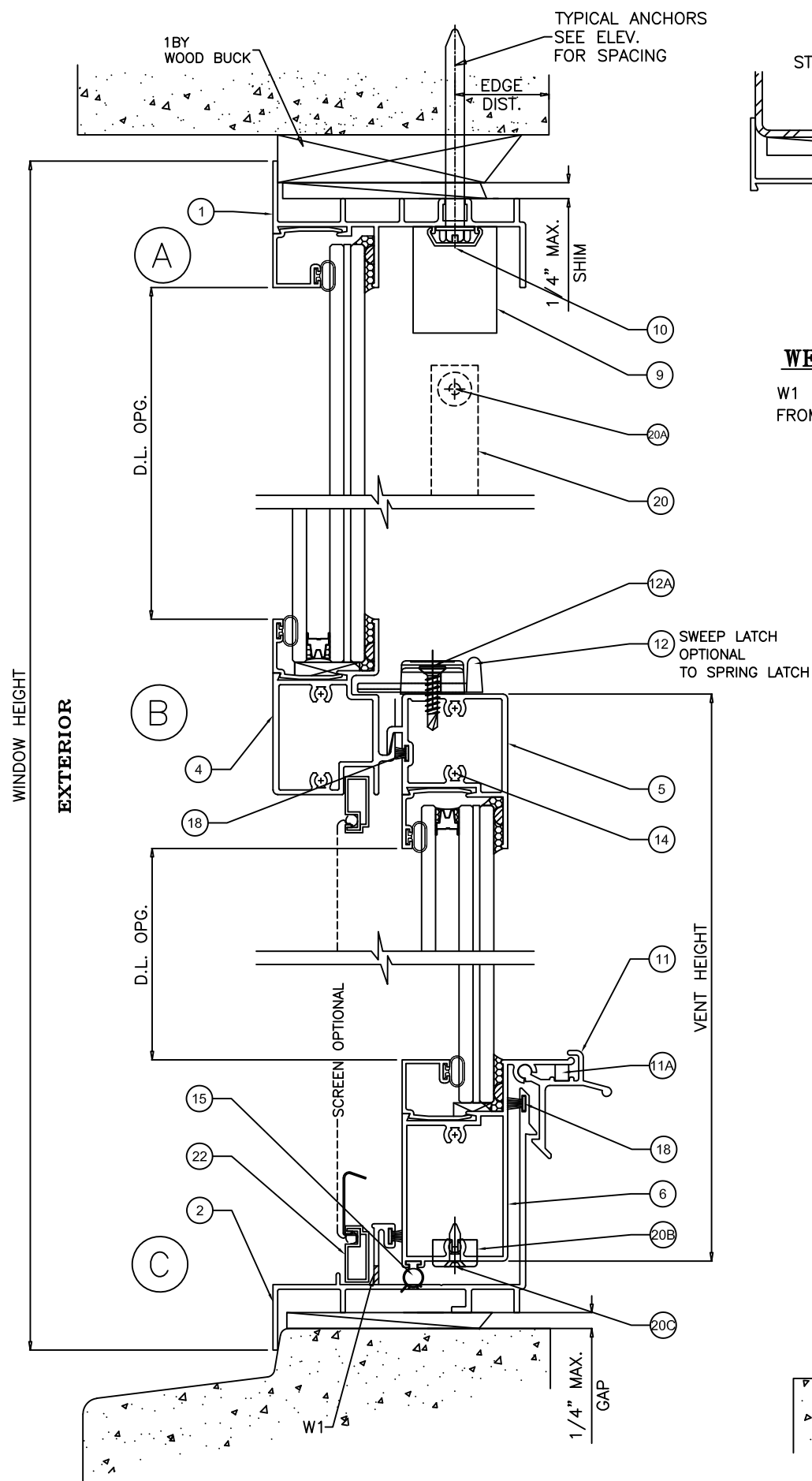
UNEQUAL LITES (ORIEL TYPE)



Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING 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.	SH150FPA - LMI	A
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)	LOAD CAPACITIES & CONFIGURATIONS	A. M.	SH150FPA - LMI	A
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)	LOAD CAPACITIES & CONFIGURATIONS	A. M.	SH150FPA - LMI	A





WEEPHOLES:

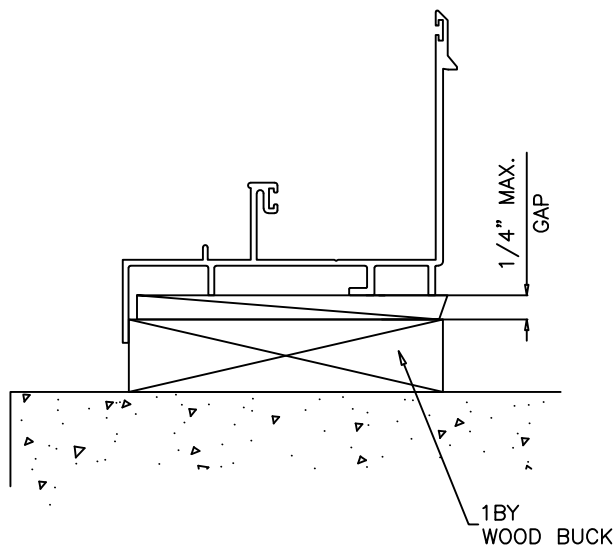
W1 = 1/4" X 3/4" WEEPHOLES AT 12-1/2" FROM EACH END.

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

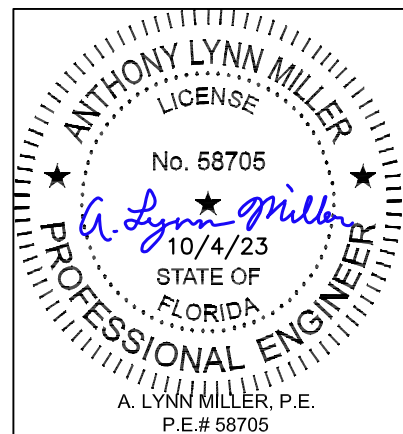
Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon +	All	Southern Pine (SG = 0.55)	1"	1-1/2"
	All	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	All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

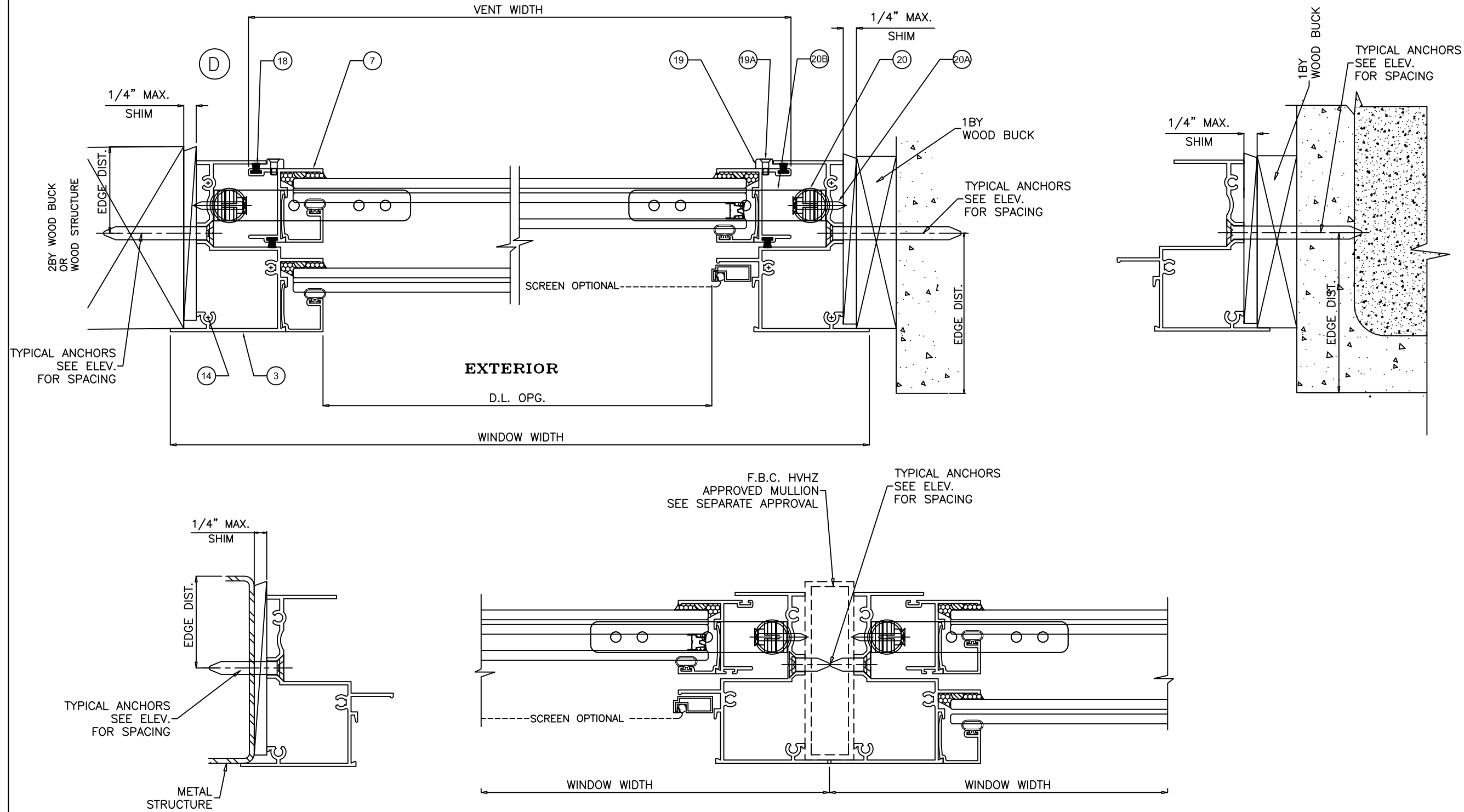
1. STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
2. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE



Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING AND
ANCHOR HEAD
TYPE NOTES,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

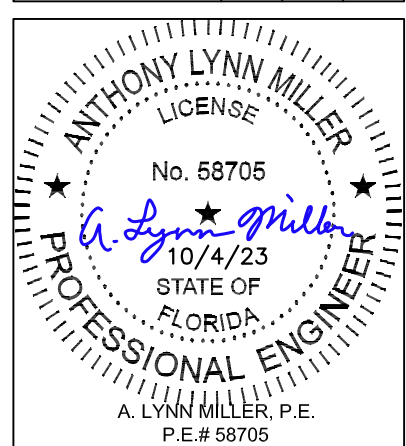
			PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902			REGISTRATION #29296		8/1/2022
Title			SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)		Date
Desc.			VERTICAL CROSS SECTION DETAILS & ANCHOR SPECIFICATIONS		By A. M.
Series			SERIES 150		Rev.
Sheet			4 OF 8		A
			SH150FPA - LMI		

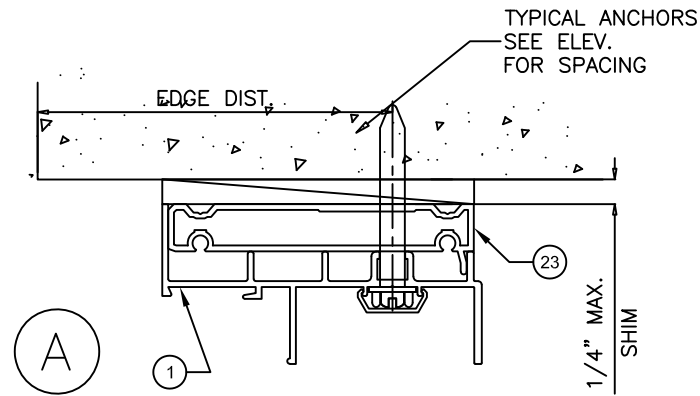




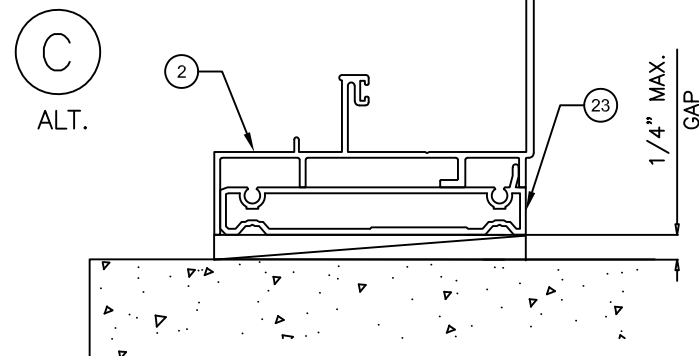
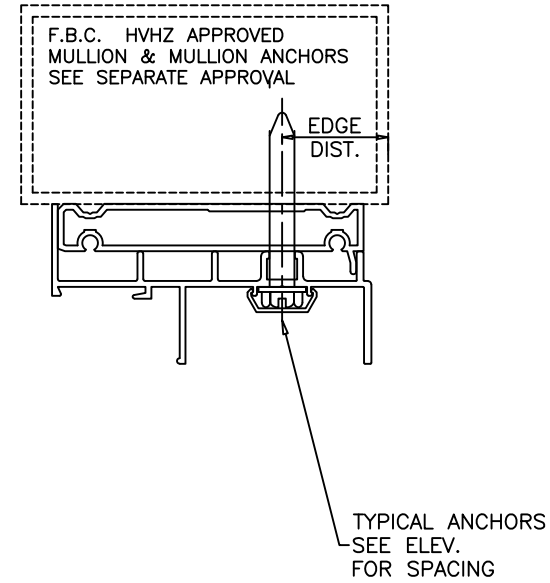
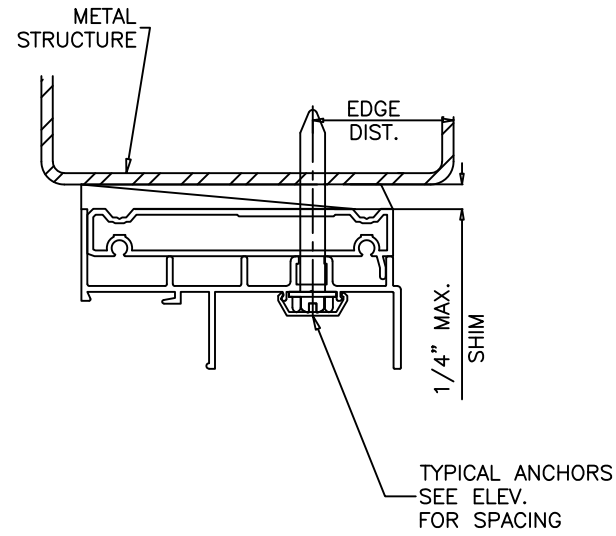
Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING AND
ANCHOR HEAD
TYPE NOTES,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

 eco window systems ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					
	REGISTRATION #29296					
Title	SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)			Date	8/1/2022	
HORIZONTAL CROSS SECTION DETAILS						
			Drawn By	A. M.		
Series	SERIES 150	Sheet	5 OF 8	DWG No.	SH150FPA - LMI	
Desc.					Rev.	A

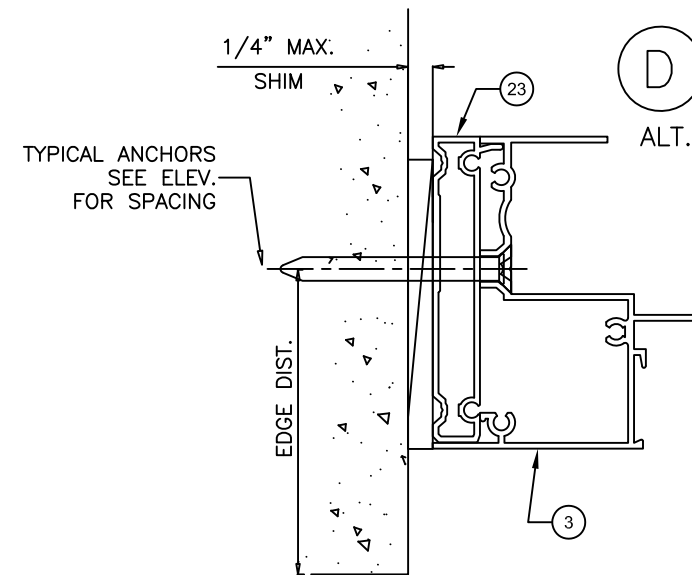




A
ALT.



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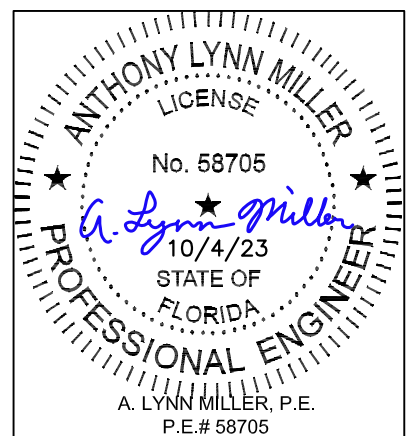
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ALT.

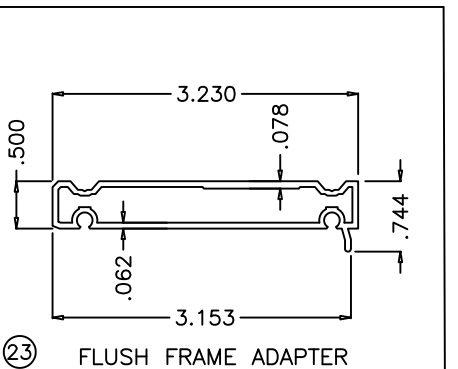
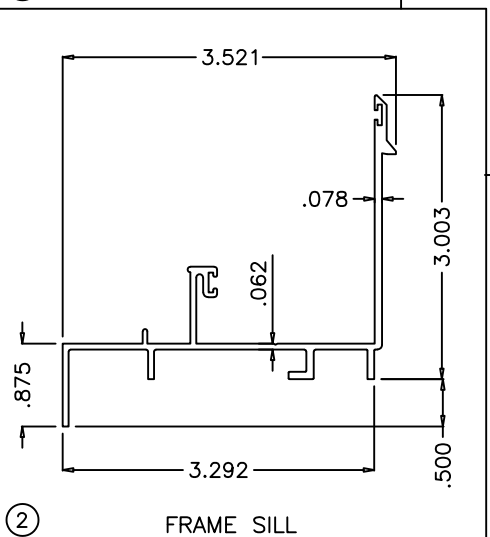
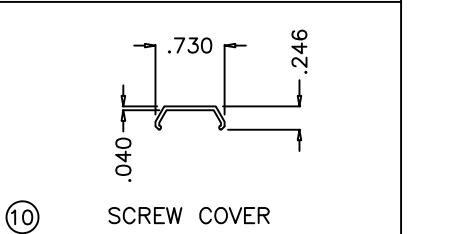
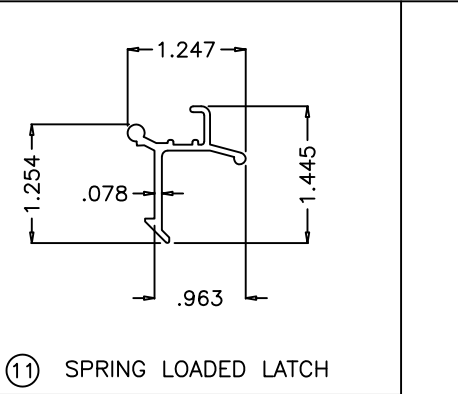
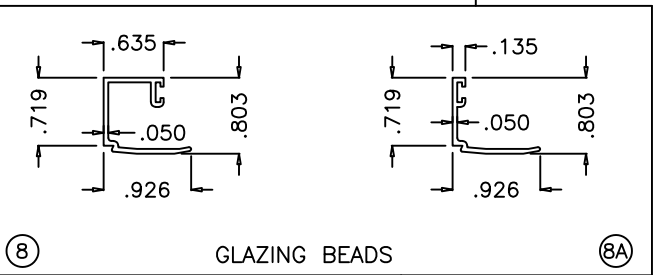
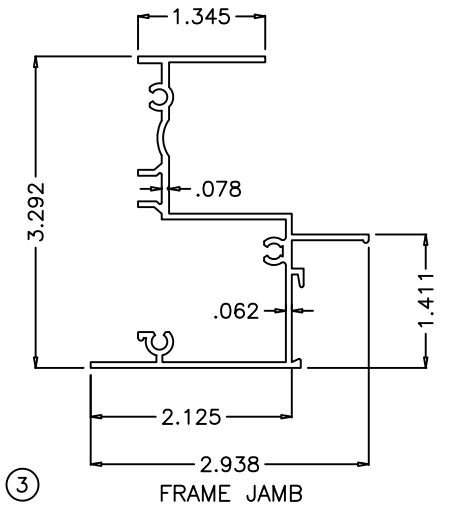
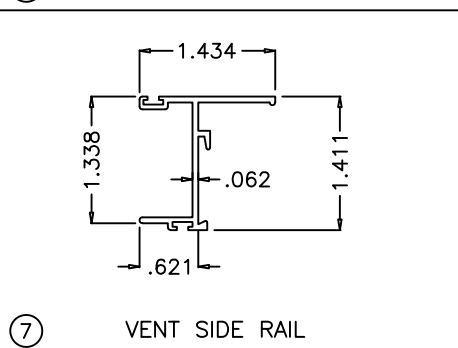
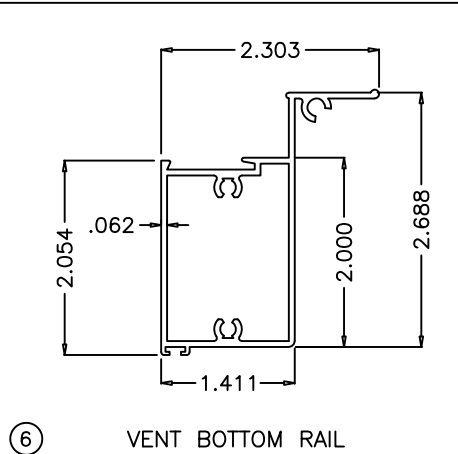
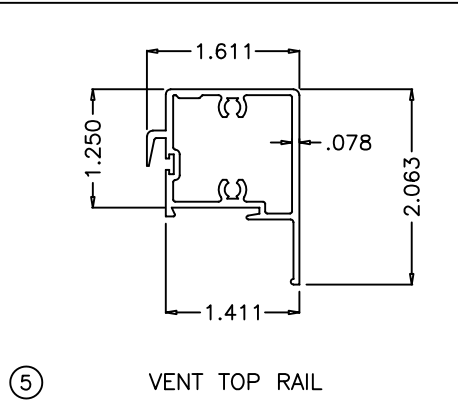
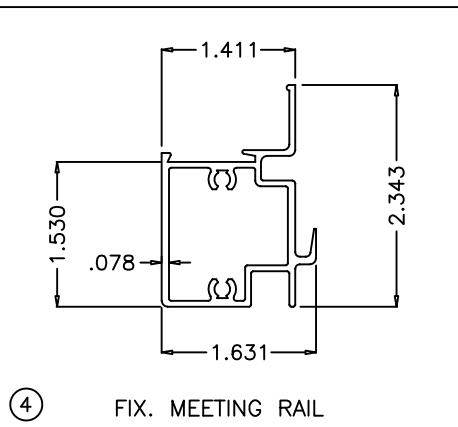
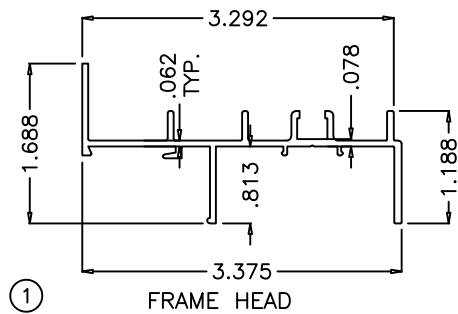
INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

SEE SHEETS 4 & 5 FOR WINDOW DETAILS

Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING 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	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)		A. M.		SH150FPA - LMI	
ECO window systems		FLUSH FRAME INSTALLATION DETAILS		6 OF 8		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 150		DWC		Rev.	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		FLUSH FRAME INSTALLATION DETAILS		6 OF 8		A	
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST., MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902		SERIES 150		DWC		Rev.	





ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E151	1	FRAME HEAD	6063-T6	-
2	E152	1	FRAME SILL	6063-T6	-
3	E153	2	FRAME JAMB	6063-T6	-
4	E154	1	FIXED MTG. RAIL	6063-T6	-
5	E155	1	VENT TOP RAIL	6063-T6	-
6	E156	1	VENT BOTTOM RAIL	6063-T6	-
7	E157	2	VENT SIDE RAIL	6063-T6	-
8	E159	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
8A	E158	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
9	FY116	2/VENT	SASH STOP	6063-T5	-
10	E162	AS REQD.	SCREW COVER	6063-T6	-
11	FY113	2/VENT	SPRING LOADED LATCH, AT 6" FROM ENDS	6063-T6	-
11A	-	1/LATCH	LATCH SPRING	ST STEEL	-
12	SL203P	2/VENT	SWEEP LATCH, AT 12" FROM ENDS	ZAMAK	SULLIVAN & ASSOC.
12A	#8 X 5/8"	2/LATCH	LATCH INST. SCREWS	ST STEEL	FH SMS
13	-	AS REQD.	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
14	#10 X 1"	AS REQD.	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
14A	#10 X 1-1/4"	2/CORNER	FLUSH FRAME ADAPTER FASTENERS	CRS	FH SMS
15	E207	AS REQD.	BOTTOM RAIL SEAL - SERIES 101	NEOPRENE	ULTRAFAB
16	TR.3020	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	TECHNO RUBBER
17	E163	2/VENT	SASH TOP GUIDE	DERLIN	M&M PLATICS
18	W23181	AS REQD.	FIN SEAL W'STRIPPING	-	ULTRAFAB
19	E164	4/VENT	SASH SIDE GUIDE	DERLIN	M&M PLASTICS
19A	#6 X 3/8"	1/GUIDE	SASH GUIDE INST. SCREW	CRS	OH SMS TYPE B
20	F210	2/VENT	SASH BALANCE	-	SUPERBOOST BY BSI
20A	#8 X 1"	1/BALANCE	BALANCE INST. SCREW	ST STEEL	FH SMS
20B	21B02 UEK	1/BALANCE	BALANCE BRACKET	STEEL	CALDWELL
20C	#8 X 1/2"	2/BRACKET	BRACKET FASTENER	ST. STEEL	PH SMS
21	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	-	1	5/16" BOX SCREEN	-	OPTIONAL
23	E161	-	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
24	-	-	INSUL. GLASS SPACER	VARIOUS	VARIOUS

Revision:
REVISED TABLE
FORMAT,
ADDED DP
TABLE
ROUNDING 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

Date

By
A. M.

Drawn

7 OF 8

Sheet

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

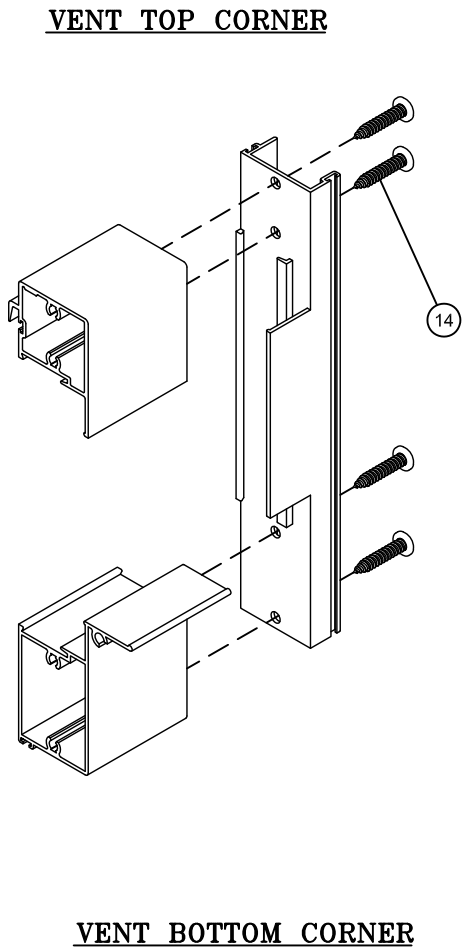
ECO window systems

SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)

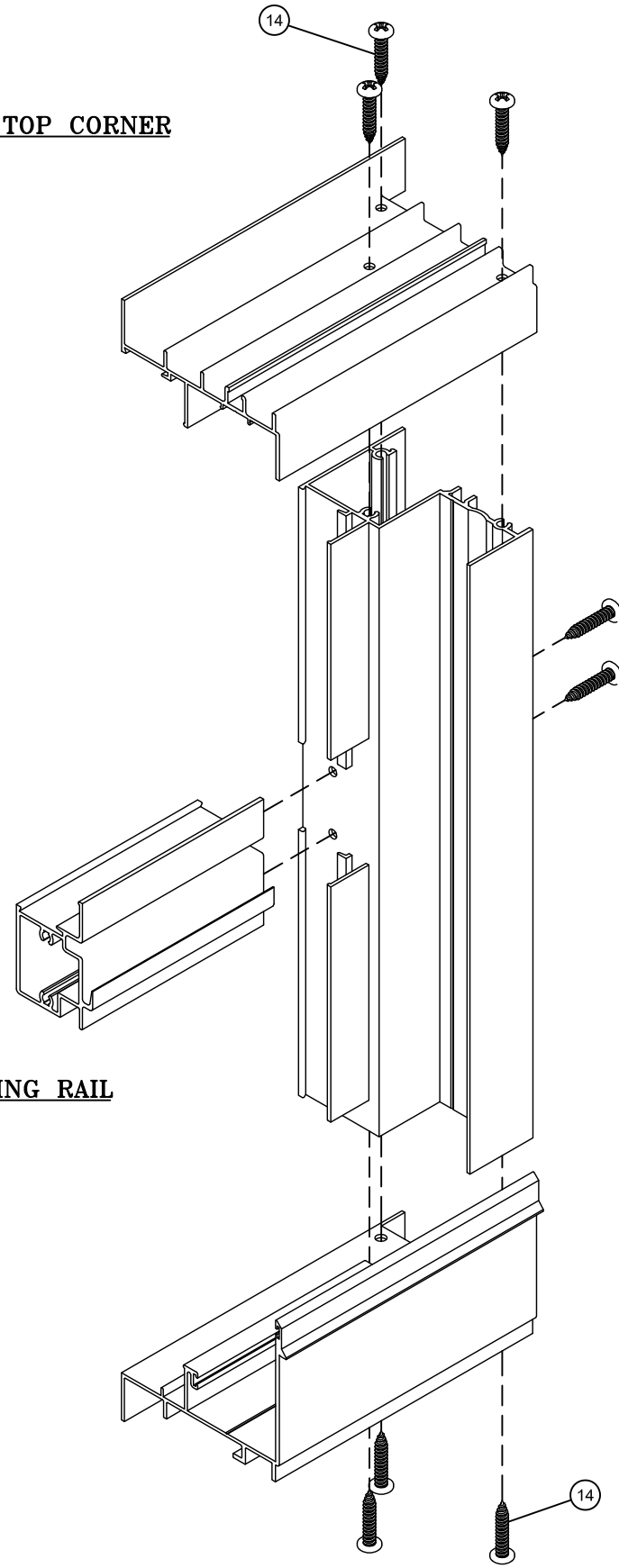
BOM & EXTRUSION PROFILES

SERIES 150

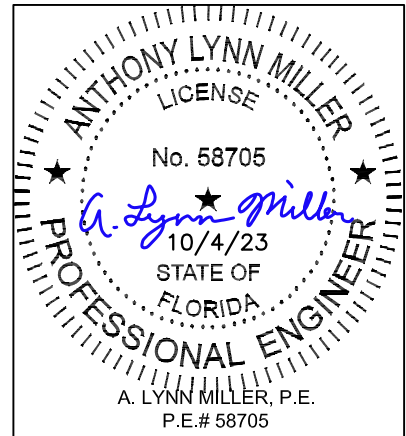
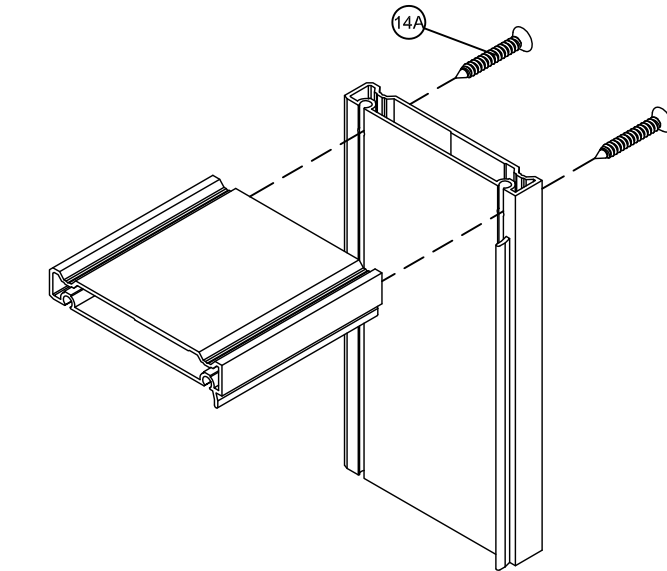
7 OF 8



FRAME TOP CORNER



FRAME BOTTOM CORNER



Series	Desc.	Title
SERIES 150	CORNER ASSEMBLY DETAILS	
8 OF 8		
DWG No.	SH150FPA - LMI	Rev. A
Drawn By	A. M.	Date
8/1/2022		
SERIES 150 ALUM. SINGLE HUNG WINDOW (L.M.I.)		
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		
Revision: REVISED TABLE FORMAT, ADDED DP TABLE ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL		