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Business & Professional Regulation



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Product Approval

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FL #	FL40097-R2
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	Horizontal Slider
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	FL40097_R2_COI_Cert of Independence.pdf
Referenced Standard and Year (of Standard)	<u>Standard</u> TAS 201, 202 & 203
	<u>Year</u> 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	10/18/2023
Date Pending FBC Approval	10/25/2023
Date Approved	12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
40097.1	Series 60 Horizontal Roller	Large Missile Impact Resistant, Aluminum Horizontal Roller 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 FL40097_R2_II_HR60 - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40097_R2_AE_ECO_HR60LMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
40097.2	Series 200 Horizontal Roller	Large Missile Impact Resistant, Aluminum Horizontal Roller 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 FL40097_R2_II_HR200LM-FPA REV B.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40097_R2_AE_ECO_HR200LM_ENG_EVAL_REV_B.pdf Created by Independent Third Party: No
40097.3	Series 200 Horizontal Roller	Small Missile Impact Resistant, Aluminum Horizontal Roller 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 FL40097_R2_II_HR200SM-FPA REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40097_R2_AE_ECO_HR200SM_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
40097.4	Series 250 Horizontal Roller	Large Missile Impact Resistant, Aluminum Horizontal Roller Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes		Installation Instructions FL40097_R2_II_HR250FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705

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.		Created by Independent Third Party: No Evaluation Reports FL40097_R2_AE_ECO_HR250LMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
40097.5	Series 250 Horizontal Roller	Small Missile Impact Resistant, Aluminum Horizontal Roller 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 FL40097_R2_II_HR250FPA - SMI_REV_A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL40097_R2_AE_ECO_HR250SMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No

[Back](#)
[Next](#)

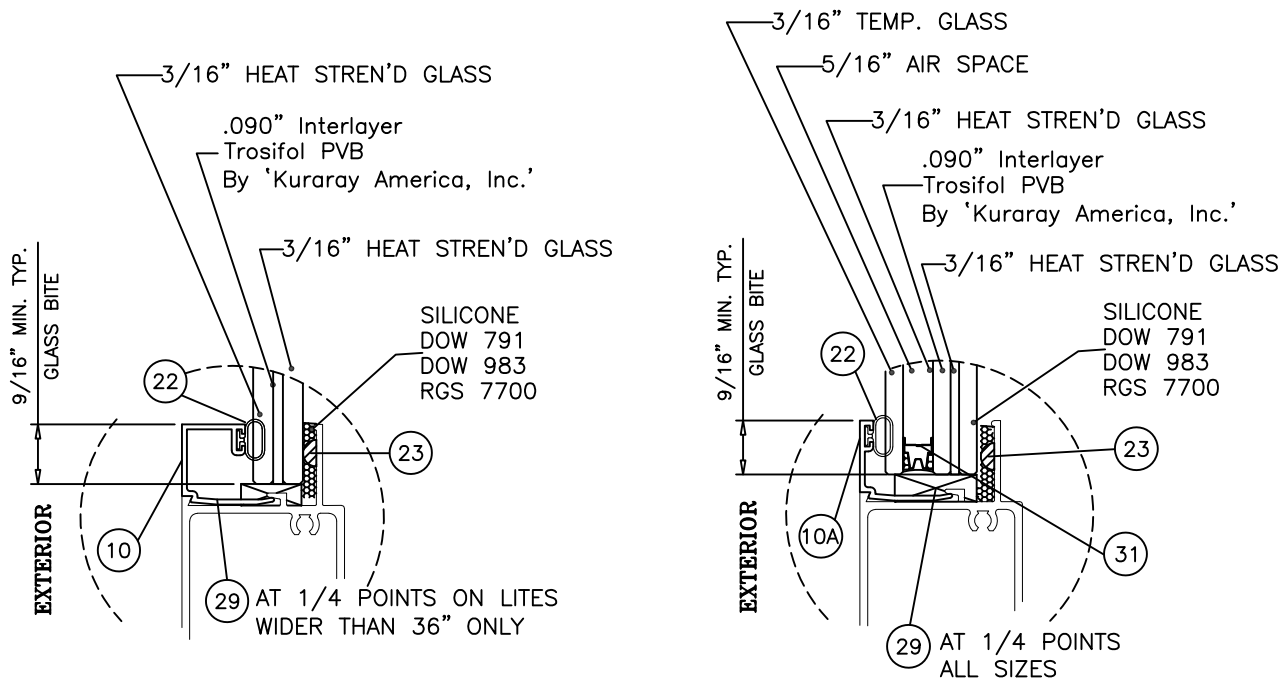
Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:





GLASS TYPE 'A'

7/16" OVERALL LAM. GLASS

GLASS TYPE 'A1'

15/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

SERIES-250 (L.M.I.)
ALUMINUM HORIZONTAL ROLLING 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 H.R./H.R. OR HORIZONTAL ROLLING 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.

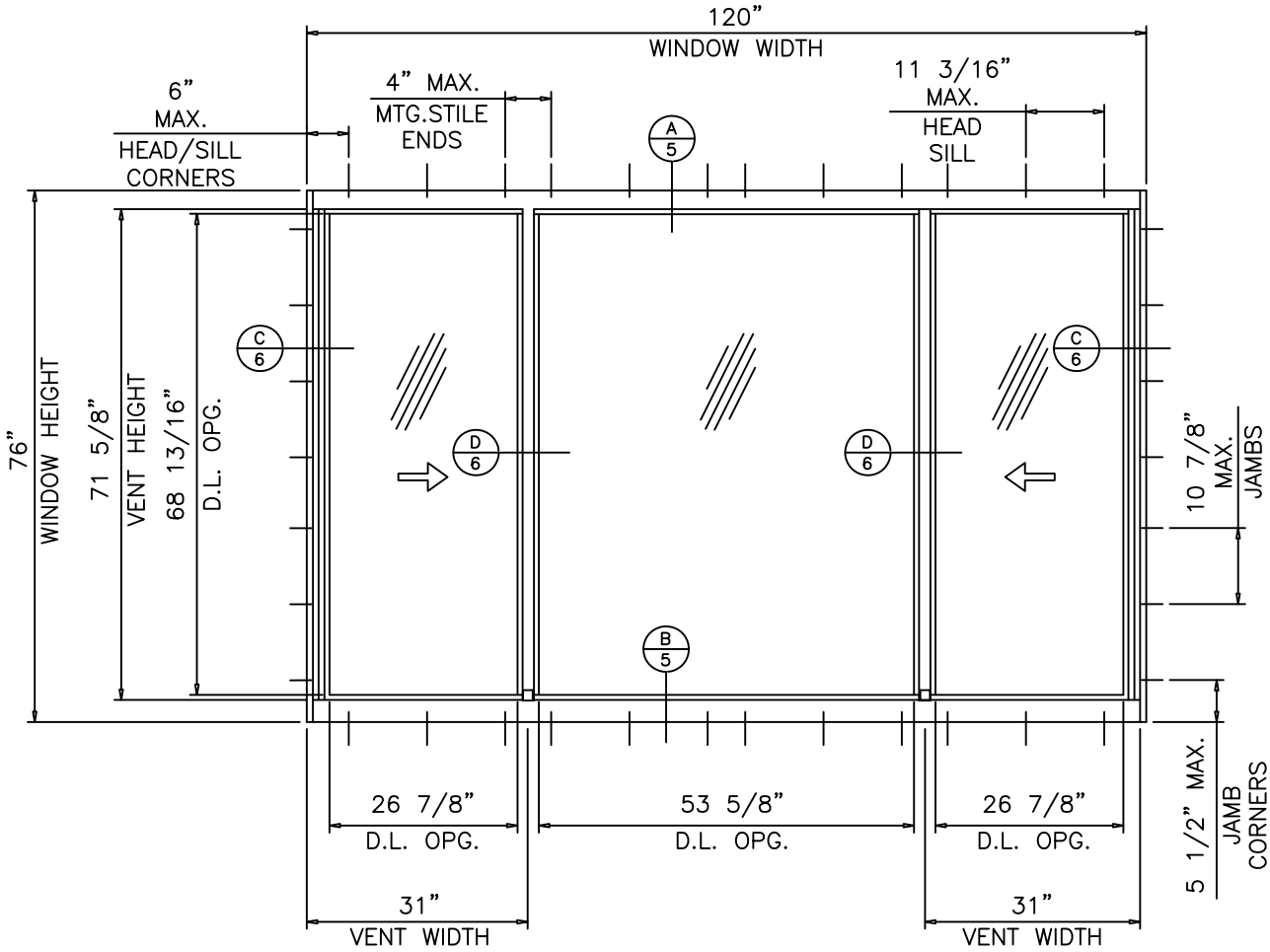
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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)'.



TYPICAL ELEVATION

(TESTED UNIT)

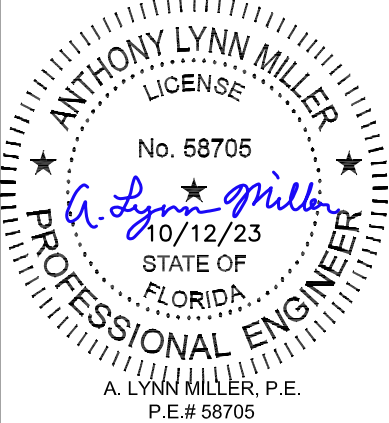
THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Revision:
ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

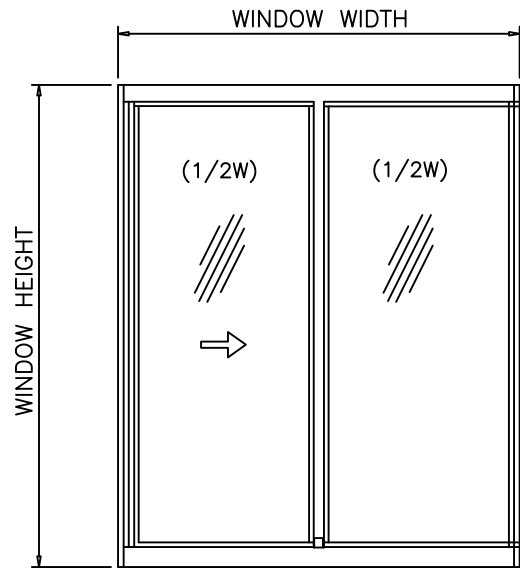
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600



Series Desc Title



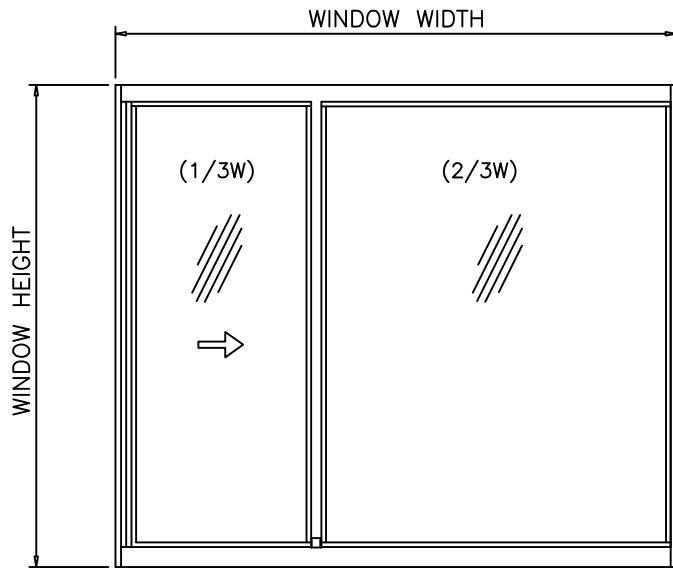
REGISTRATION #29296	Date	8/1/2022	By	AM	DWG	HR250FPA- LM	Rev.	A
SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW				GENERAL INFORMATION, ELEVATION 1 & GLASS TYPES		1 OF 9		Sheet
ECO WINDOW SYSTEMS, LLC.				SERIES 250		1 OF 9		Sheet



XO OR OX

LEFT & RIGHT VENTS TO BE OF EQUAL GLASS DLO WIDTHS

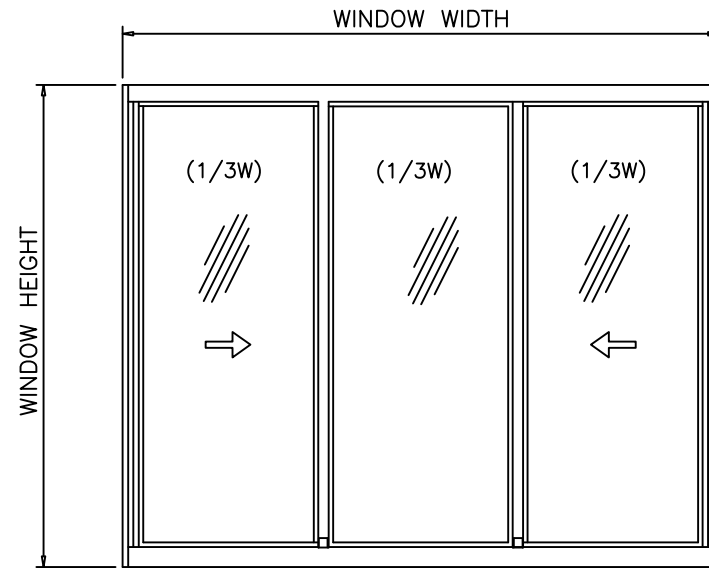
WINDOW DIMS.		MAX. D.L.O. WIDTHS	
WIDTH	HEIGHT	VENT	FIXED
84"	50- 5/ 8"	38"	38"
74"	63"	33"	33"
64"	72"	28"	28"
61"	76"	26- 1/ 2"	26- 1/ 2"



XO OR OX

OPERATING VENT TO BE 1/3 OF THE WINDOW WIDTH

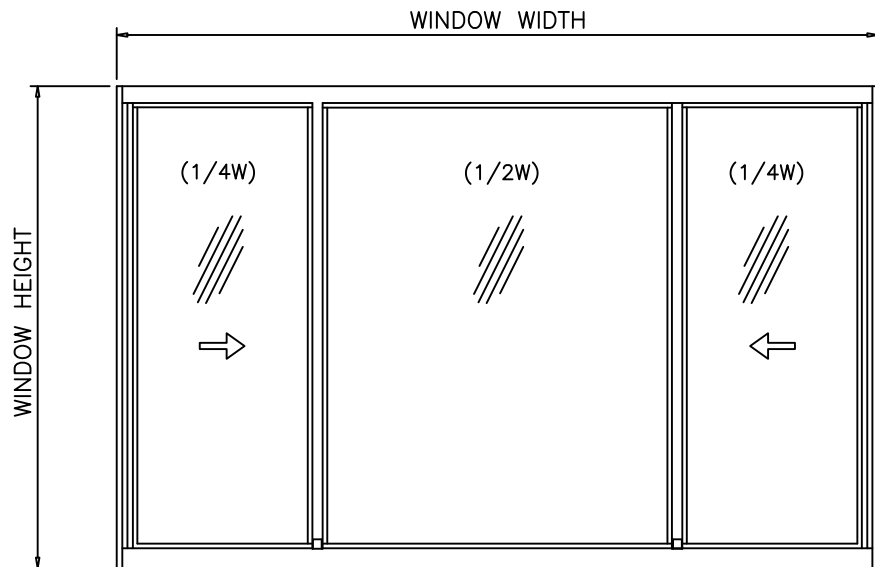
WINDOW DIMS.		MAX. D.L.O. WIDTHS	
WIDTH	HEIGHT	VENT	FIXED
120"	50- 5/ 8"	37- 5/ 16"	74- 11/ 16"
106"	63"	32- 11/ 16"	65- 5/ 16"
93"	72"	28- 5/ 16"	56- 11/ 16"
88"	76"	26- 11/ 16"	53- 5/ 16"



XOX

OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

WINDOW DIMS.		MAX. D.L.O. WIDTHS	
WIDTH	HEIGHT	VENT	FIXED
120"	50- 5/ 8"	35- 13/ 16"	35- 13/ 16"
113"	63"	33- 7/ 16"	33- 7/ 16"
99"	72"	28- 13/ 16"	28- 13/ 16"
92"	76"	26- 7/ 16"	26- 7/ 16"



XOX

OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

WINDOW DIMS.		MAX. D.L.O. WIDTHS	
WIDTH	HEIGHT	VENT	FIXED
144"	50- 5/ 8"	32- 7/ 8"	65- 11/ 16"
144"	63"	32- 7/ 8"	65- 11/ 16"
126"	72"	28- 3/ 8"	56- 11/ 16"
120"	76"	26- 7/ 8"	53- 11/ 16"

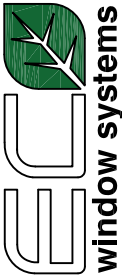
GLASS TYPES 'A' & 'A1'
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 70.0 PSF

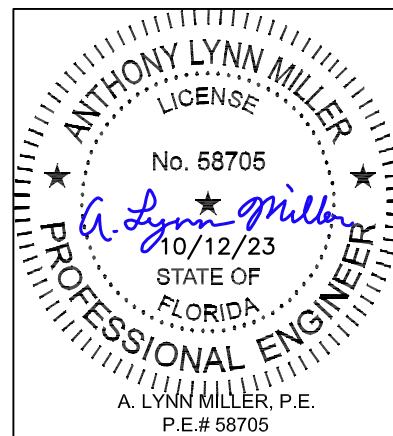
INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED
USE ABOVE LOADS FOR WINDOWS WITHOUT ADD-ON RISER.

INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
USE ADD-ON RISER FOR ABOVE LOADS.
OR
LIMIT MAX. EXTERIOR(+) LOADS TO +60.0 PSF FOR WINDOWS WITHOUT
RISER.

SEE SHEET 5 FOR DETAIL.

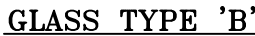
Revision:
ADDED NEW HD
MEETING RAIL,
SIZES, AND DP'S,
PLACED
ANCHORS IN
TABLE FORMAT.
ADDED ANCHOR
HEAD TYPE NOTE;
UPDATED PART 12
AS OPTIONAL,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

				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			
Title		SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW		Date		8/1/2022	
Series Desc.		DESIGN LOAD SIZING CHARTS		By Drawn		AM	
Series		SERIES 250		DWC No.		HR250FPA- LM	
Sheet		2 OF 9				Rev.	
						A	



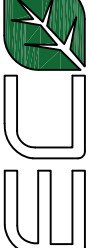


FRAME SILL WITH ADD-ON RISER (ITEM #13)
LOCK TYPE 1 (ITEM #24) ONLY.
XO SHOWN OX OPPOSITE.



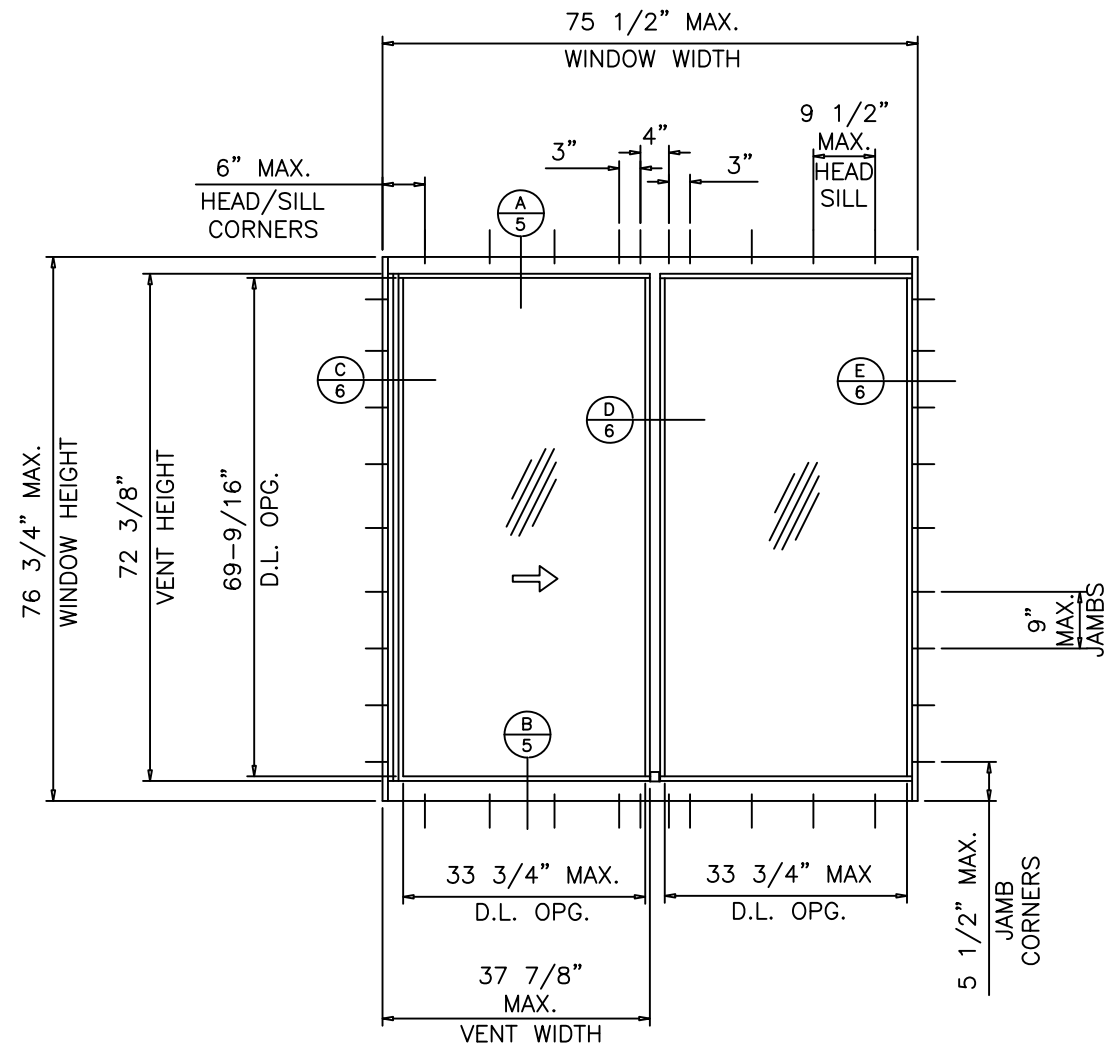
7/16" OVERALL LAM. GLASS

Revision:	ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL
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 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				
Series Desc. SERIES 250	Sheet 3 OF 9	DWG No. HR250FPA-LM	Rev. A	DATE 8/1/2022	
				DATE 8/1/2022	
ELEVATION 2 & GLASS TYPE		By AM		DATE 8/1/2022	
SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW					

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/12/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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



TYPICAL ELEVATION
(TESTED UNIT)

GLASS TYPES 'B'

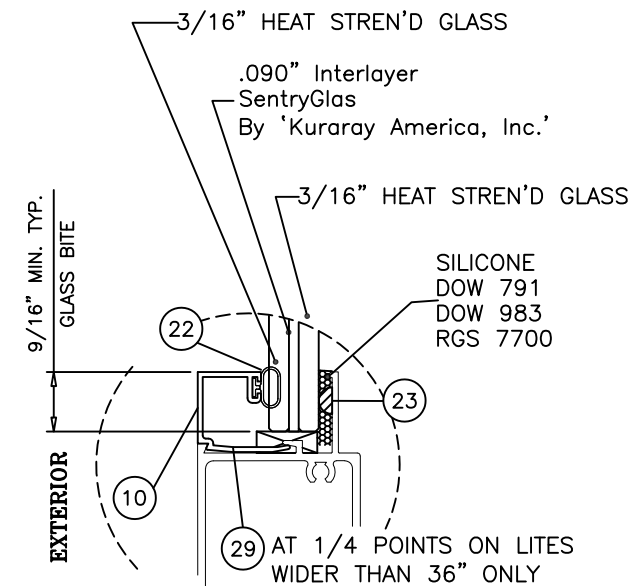
MAXIMUM DESIGN LOAD RATING = + 90.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 130.0 PSF

HD VENT INTERLOCK (ITEM #7A) ONLY.
XO SHOWN OX OPPOSITE.

INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED
USE ABOVE LOADS FOR WINDOWS WITHOUT ADD-ON RISER.

INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
USE ADD-ON RISER FOR ABOVE LOADS.
OR
LIMIT MAX. EXTERIOR(+) LOADS TO +80.0 PSF FOR WINDOWS WITHOUT
RISER.

SEE SHEET 5 FOR DETAIL.

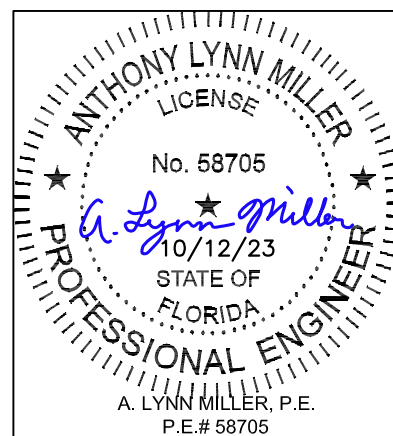


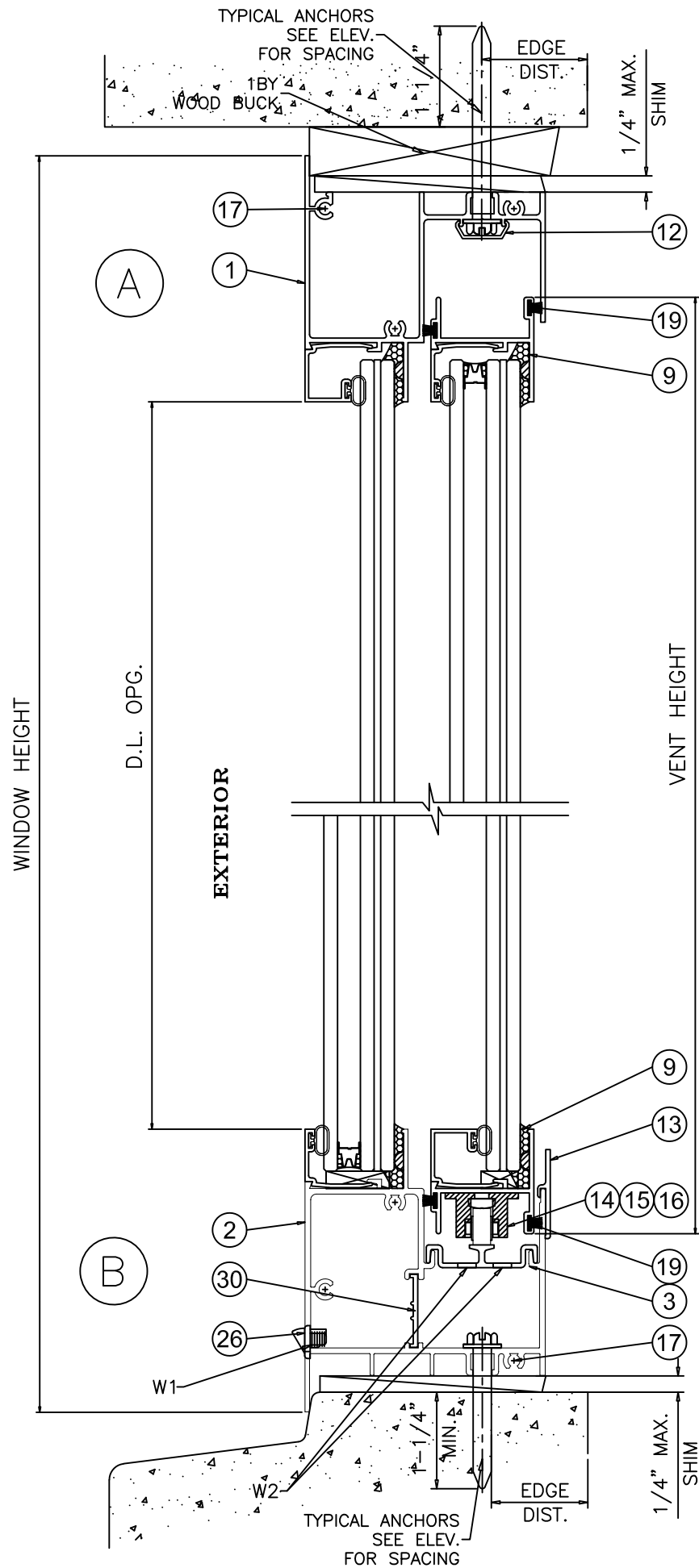
GLASS TYPE 'B'

7/16" OVERALL LAM. GLASS

Revision:
ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

		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 250 ALUMINUM HORIZONTAL ROLLER WINDOW		Date	8/1/2022
ELEVATION 3 & GLASS TYPE		By		AM	
SERIES 250		sheet		4 OF 9	
DWG No.		HR250FPA- LM		Rev.	
A					



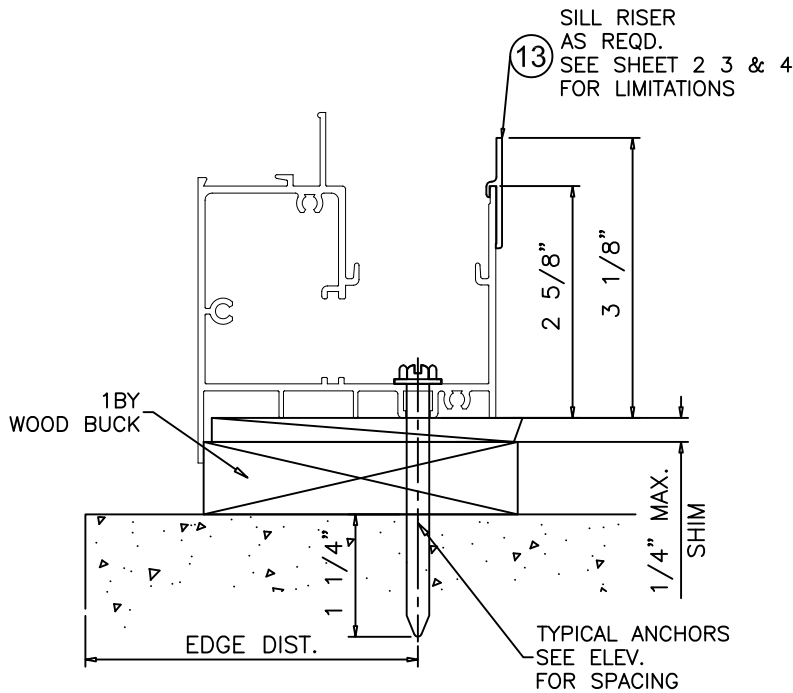


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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
	All	Aluminum 1/8" Thk. Min. (6063-T5) (No Shim Space)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi) (No Shim Space)	3/4"	(3) Threads min. beyond metal thickness

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



WEEPHOLES:

- W1 = 1/4" X 2-1/4" WEEPHOLES WITH BAFFLE AT 4" FROM EACH END AND 37-1/2" O.C. MAX.
- W2 = (3) 1/4" DIA. WEEPHOLES AT 1/2" O.C. AT CENTER OF EACH LITE.

Revision:

ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED

ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

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

8/1/2022

AM

HR250FPA- LM

5 OF 9

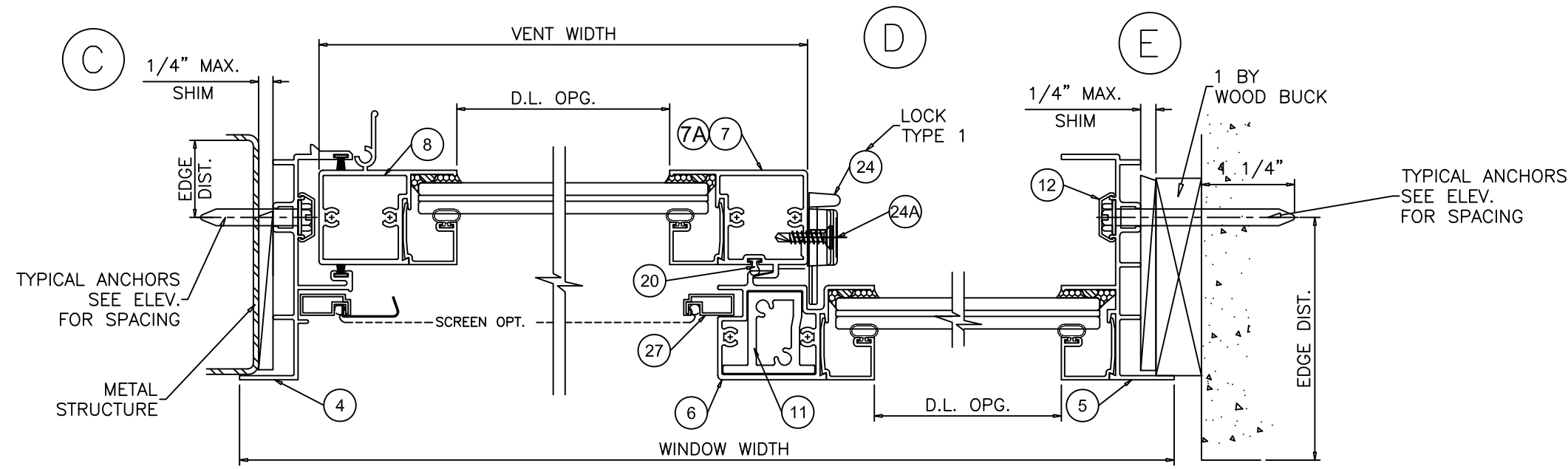
SERIES 250

SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW

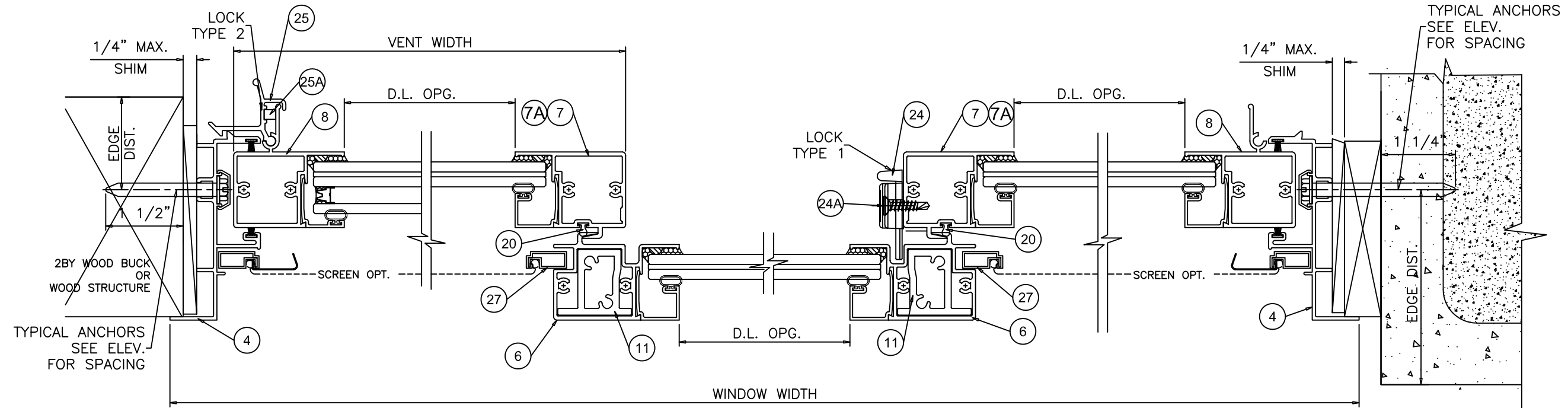
VERTICAL SECTION DETAILS & ANCHOR SPECIFICATIONS

ECO window systems

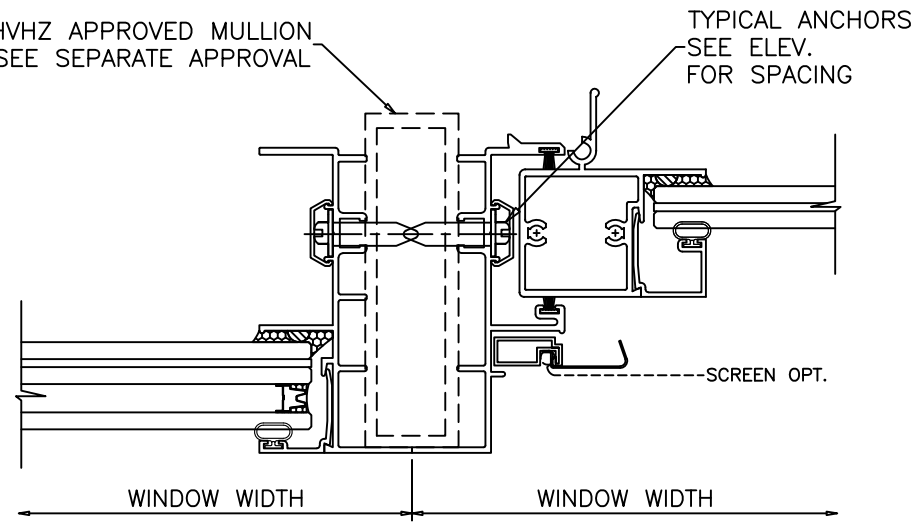
ANTHONY LYNN MILLER
LICENSE
No. 58705
10/12/23
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705



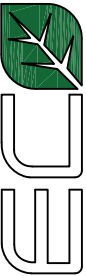
XO LAYOUT

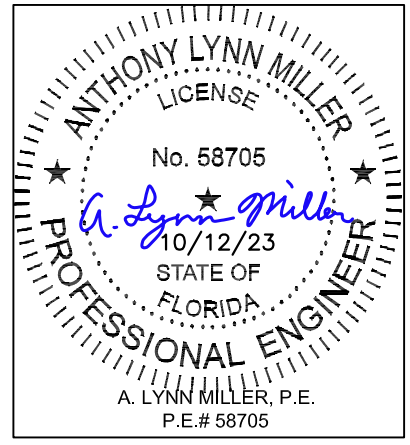


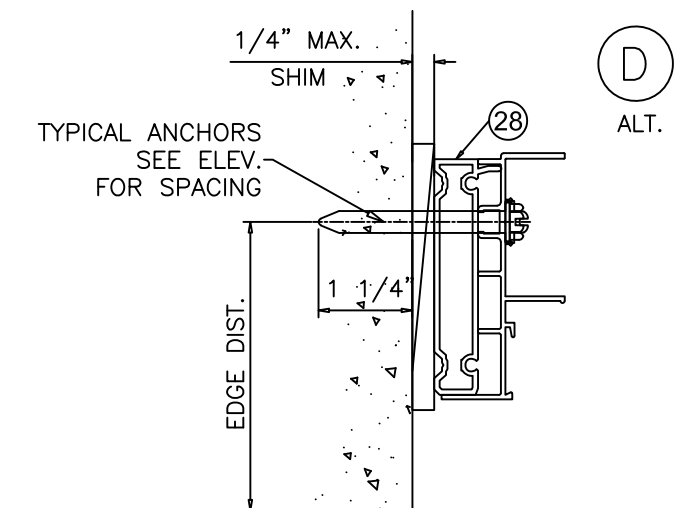
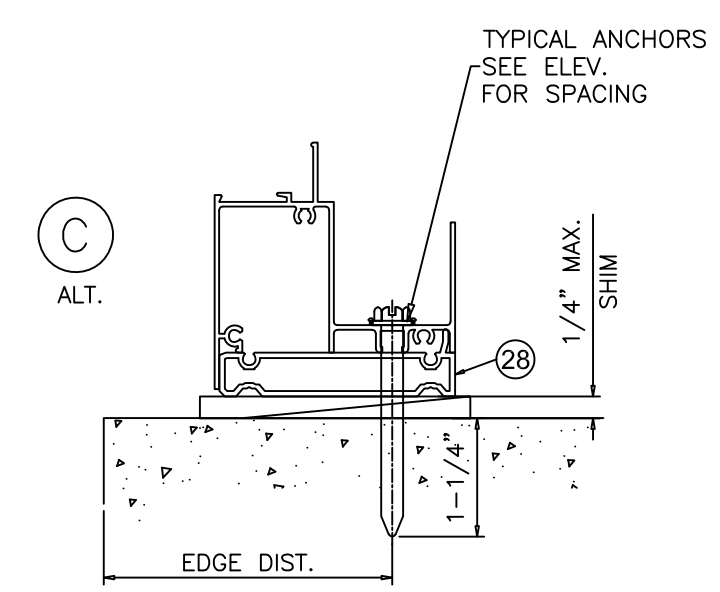
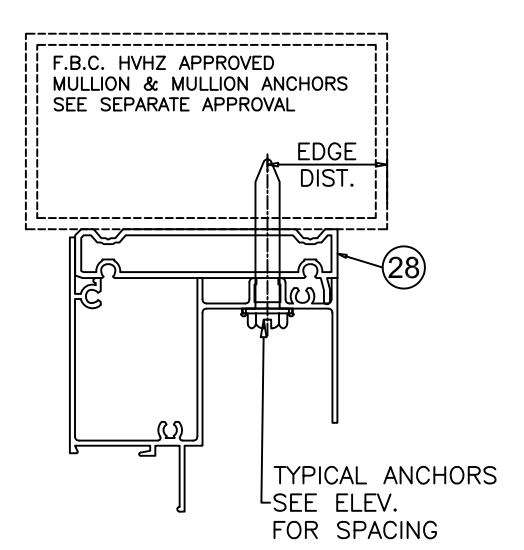
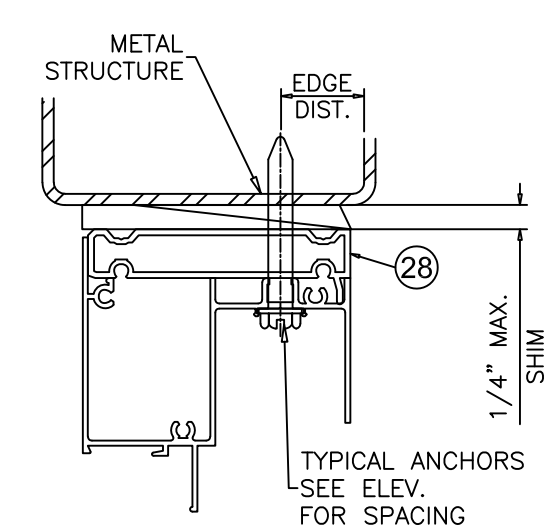
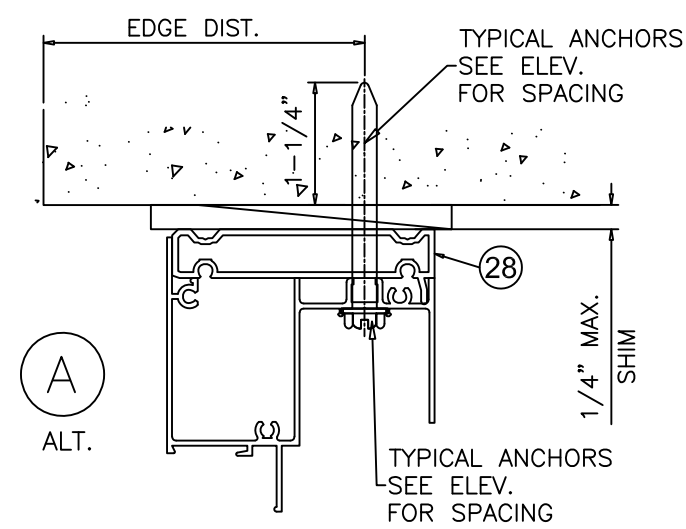
XOX LAYOUT



Revision:
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 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											
SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW										Date		8/1/2022									
HORIZONTAL SECTION DETAILS										Drawn By		AM									
Series Desc.		SERIES 250								Sheet		6 OF 9		DWG No.		HR250FPA- LM		Rev.		A	

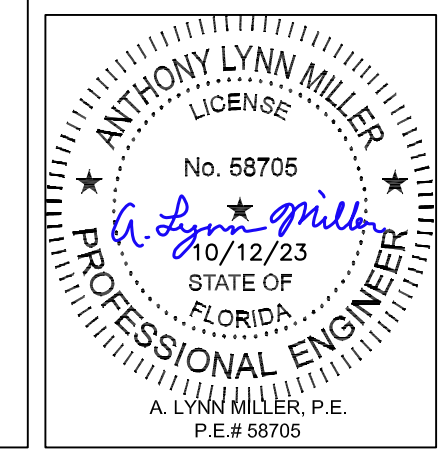


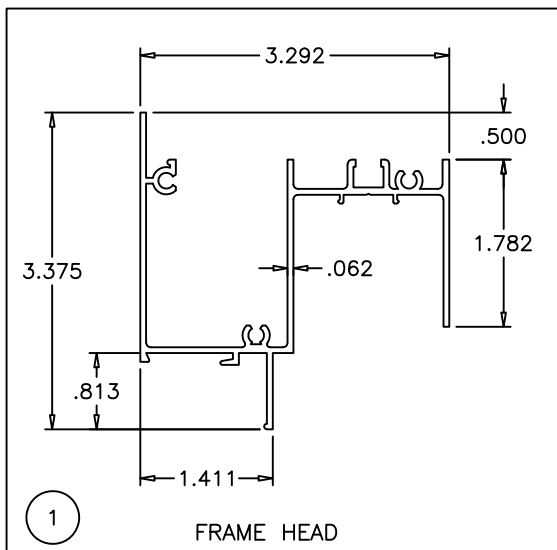


INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

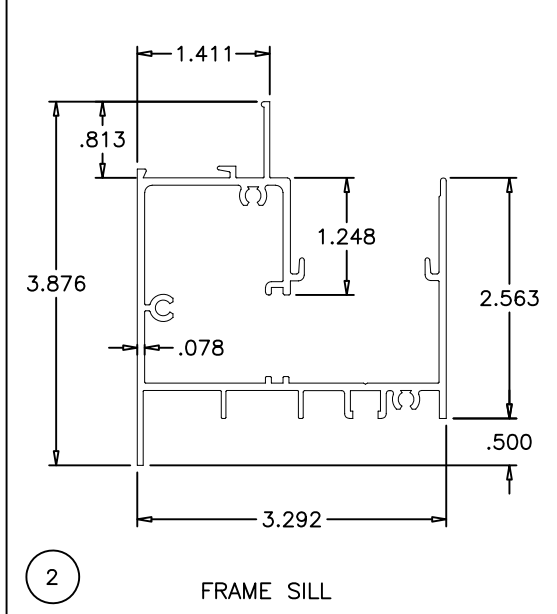
Revision:
 ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

 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 250 ALUMINUM HORIZONTAL ROLLER WINDOW		Date	8/1/2022
Series Desc.		FLUSH FRAME INSTALLATION DETAILS		Drawn By	AM
Series		SERIES 250		DWG No.	HR250FPA- LM
		Sheet		7 OF 9	
				Rev.	
				A	

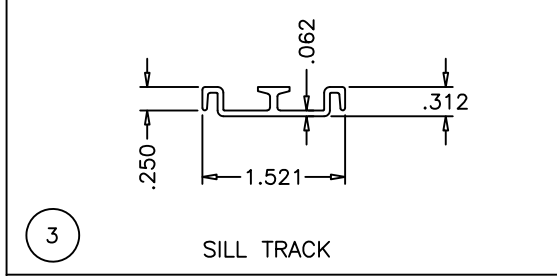




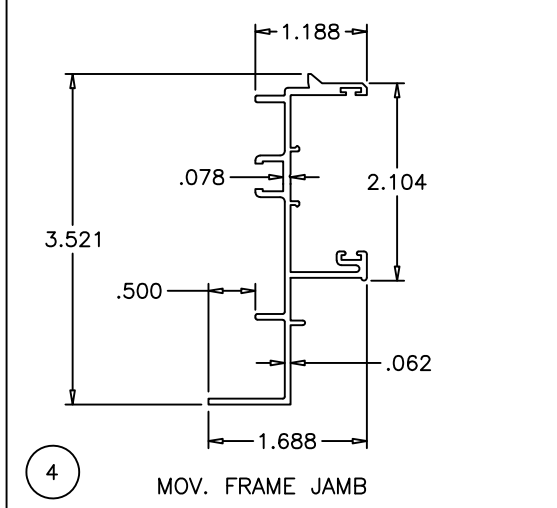
FRAME HEAD



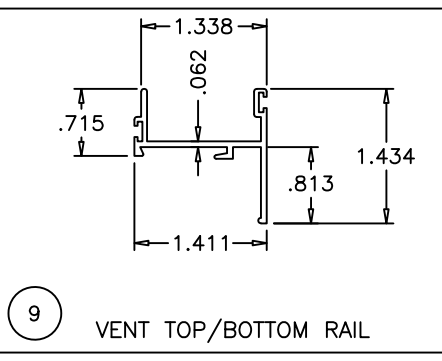
FRAME SILL



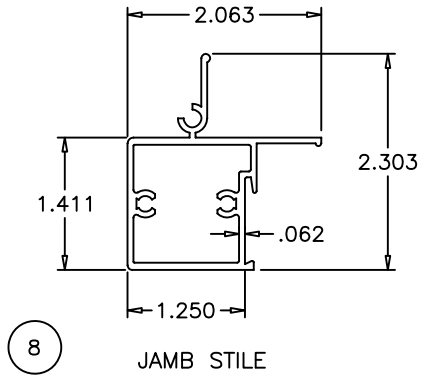
SILL TRACK



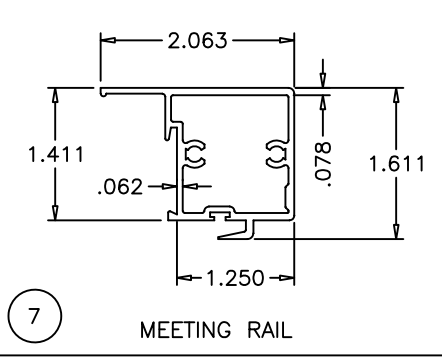
MOV. FRAME JAMB



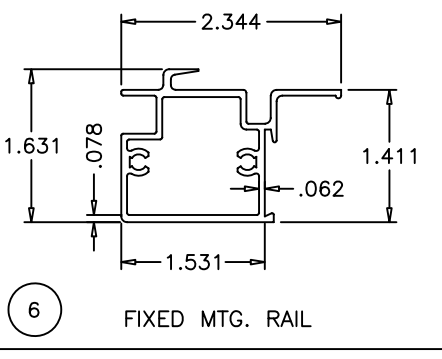
VENT TOP/BOTTOM RAIL



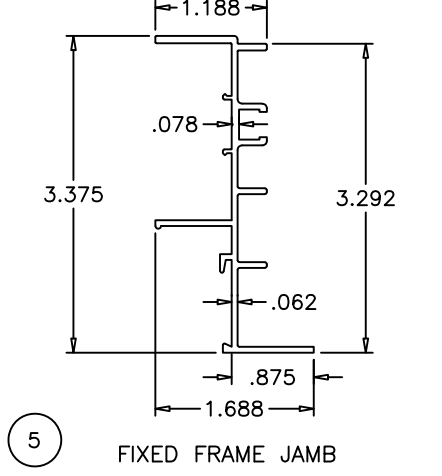
JAMB STILE



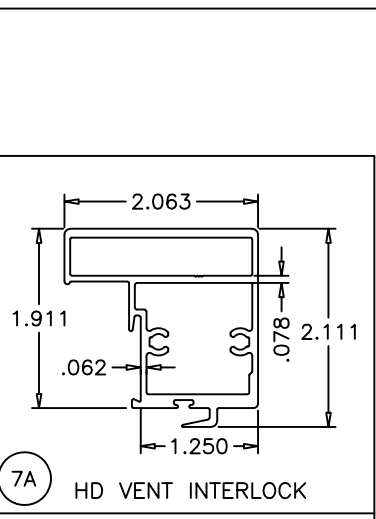
MEETING RAIL



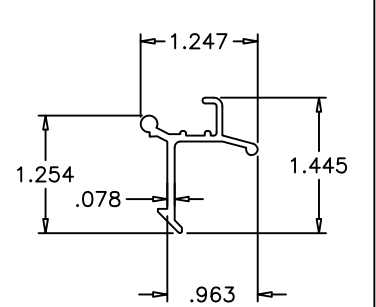
FIXED MTG. RAIL



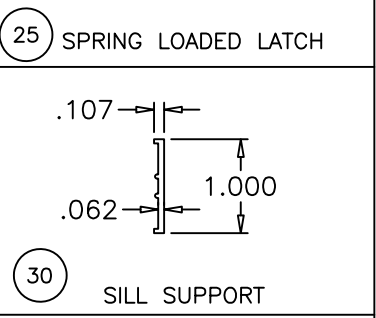
FIXED FRAME JAMB



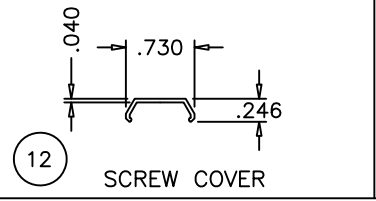
HD VENT INTERLOCK



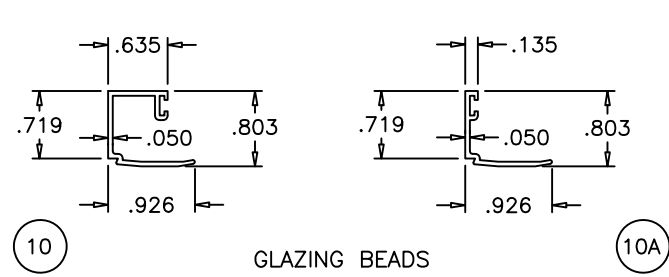
SPRING LOADED LATCH



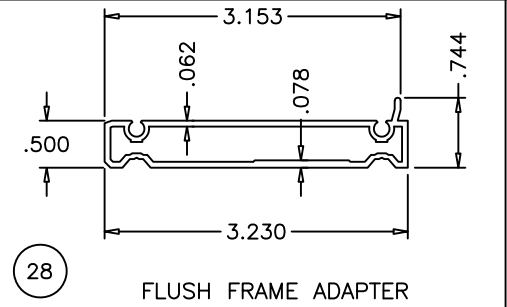
SILL SUPPORT



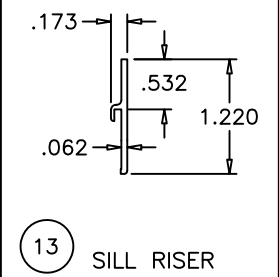
SCREW COVER



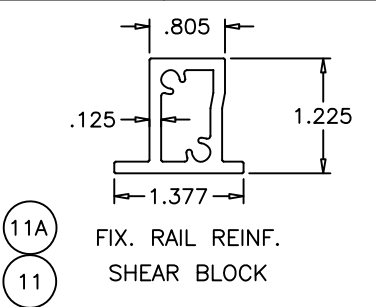
GLAZING BEADS



FLUSH FRAME ADAPTER



SILL RISER

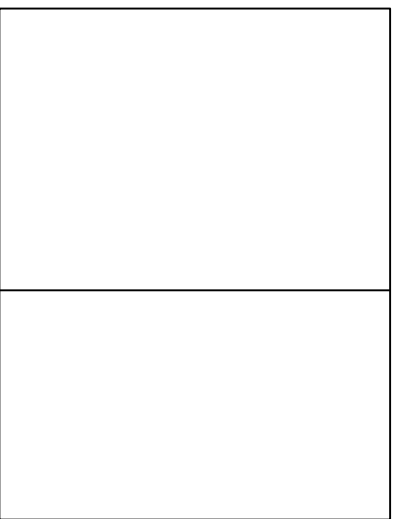


FIX. RAIL REINF.
SHEAR BLOCK

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E251	1	FRAME HEAD	6063 - T6	-
2	E252	1	FRAME SILL	6063 - T6	-
3	E255	1	SILL TRACK INSERT	6063 - T6	-
4	E253	AS REQD.	MOV. FRAME JAMB	6063 - T6	-
5	E151	AS REQD.	FIXED FRAME JAMB	6063 - T6	-
6	E154	1 / VENT	FIXED MTG. RAIL	6063 - T6	-
7	E155	1 / VENT	VENT INTERLOCK	6063 - T6	-
7A	E258	1 / VENT	HD VENT INTERLOCK	6063 - T6	-
8	E254	1 / VENT	JAMB STILE	6063 - T6	-
9	E157	2 / VENT	TOP AND BOTTOM RAIL	6063 - T6	-
10	E159	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063 - T6	-
10A	E158	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063 - T6	-
11	E256	AS REQD.	FX. RAIL REINF. FULL LENGHT	6063 - T6	-
11A	E256	AS REQD.	SHEAR BLOCK, 2" LONG	6063 - T6	-
12	E162	AS REQD.	SCREW COVER	PVC	OPTIONAL
13	E204	AS REQD.	ADD-ON SILL RISER	6063 - T6	USE AS REQD.
14	E257	4 / VENT	ROLLER HOUSING & GUIDE	CELCON	-
15	FY209	2 / VENT	ROLLER	BRASS	-
16	FY210	2 / VENT	ROLLER PIN	ST. STEEL	-
17	#10 X 1"	AS REQD.	FRAME / VENT ASSEMBLY SCREWS	CRS	P.H. SMS
17A	#10 X 1-1/4"	2 / CORN.	FLUSH FRAME ADAPTER FASTENER	CRS	FH SMS
18	#10 X 3"	2 / VENT	FIX. RAIL SILL SCREWS (SILL END)	CRS	P.H. SMS
19	W23181	AS REQD.	FIN SEAL W'STRIPPING	-	ULTRAFAB
20	Q300T190	AS REQD.	BULB SEAL	Q-LON	SCHLEGEL
22	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB, DUROMETER 65±5
23	FLB-50	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
24	SL203P	2 / VENT	SWEEP LATCH	-	SULLIVAN & ASSOC.
24A	#8 X 1/8"	2 / LATCH	LATCH INS. SCREW	ST. STEEL	OH SMS
25	FY113	2 / VENT	SPRING LOADED LATCH	6063 - T6	-
25A	-	1 / LATCH	LATCH SPRING	ST. STEEL	-
26	WA2L	2 / WDW.	WEEP VALVE	-	PREFERRED ENG. PRODUCTS
27	-	1 / VENT	5/16" BOX SCREEN	-	OPTIONAL
28	E161	-	FLUSH FRAME ADAPTER	6063 - T6	OPTIONAL
29	-	2 / LITE	SETTING BLOCK	EPDM	DUROMETER 80± SHORE A
30	-	1	SILL SUPPORT INSERT	3063 - T6	-
31	-	-	INSUL. GLASS. SPACER	VARIOUS	VARIOUS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS
SEALED WITH JOINT SEALER.



Revision:
ADDED NEW HD
MEETING RAIL,
SIZES, AND DP'S,
PLACED
ANCHORS IN
TABLE FORMAT.
ADDED ANCHOR
HEAD TYPE NOTE,
UPDATED PART 12
AS OPTIONAL,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

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

REGISTRATION #29296

ECO WINDOW SYSTEMS, LLC.
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8/1/2022

DATE

AM

BY

HR250FPA- LM

Rev.

8 OF 9

No.

SERIES 250

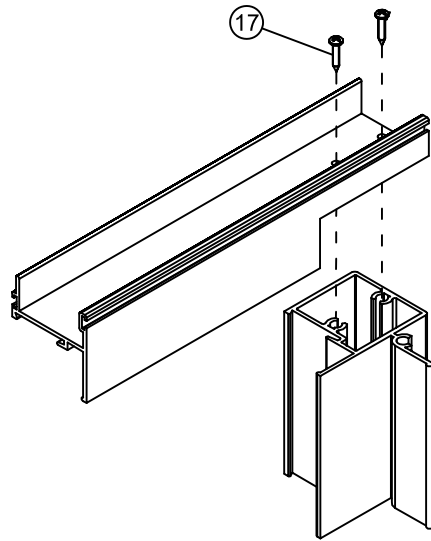
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BOM & EXTRUSION PROFILES

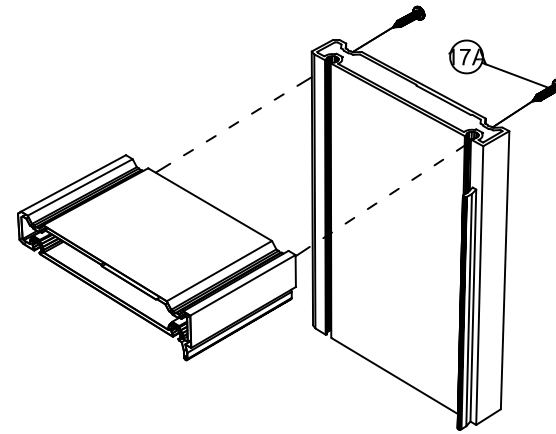
Desc.

SERIES 250 ALUMINUM HORIZONTAL ROLLER WINDOW

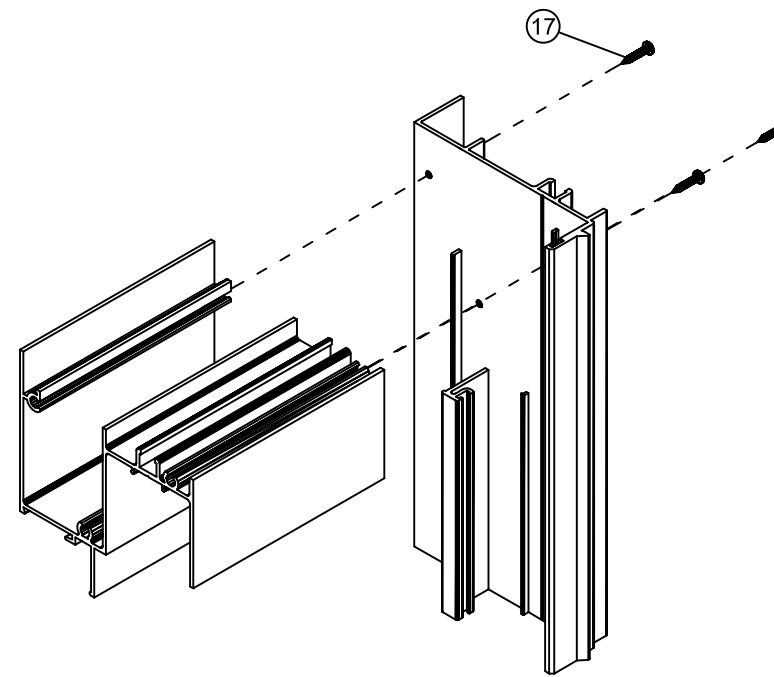
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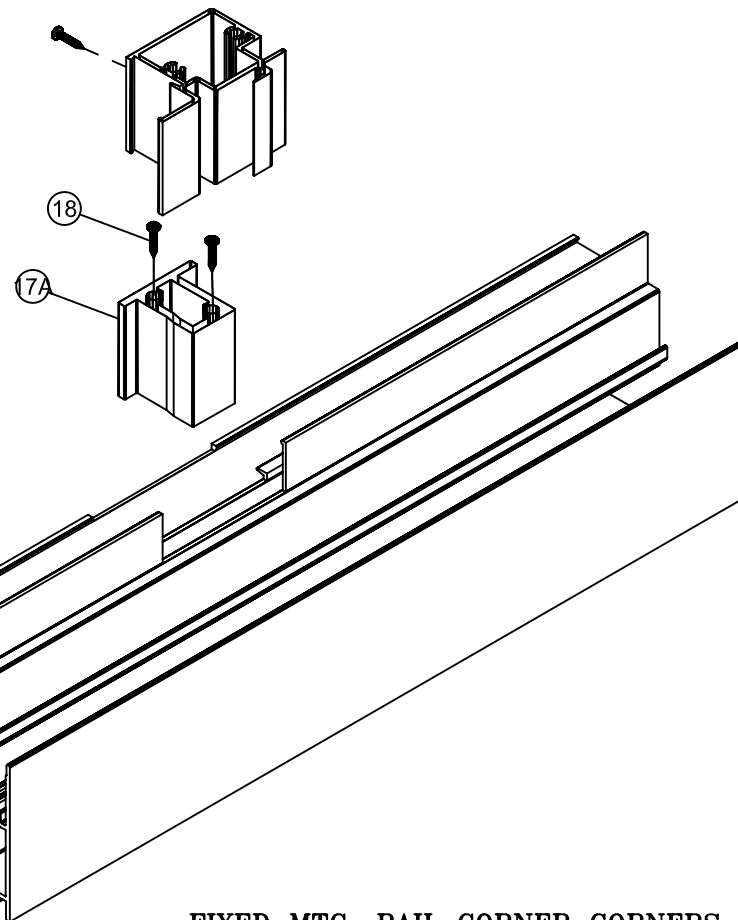
VENT TOP/BOTTOM CORNERS



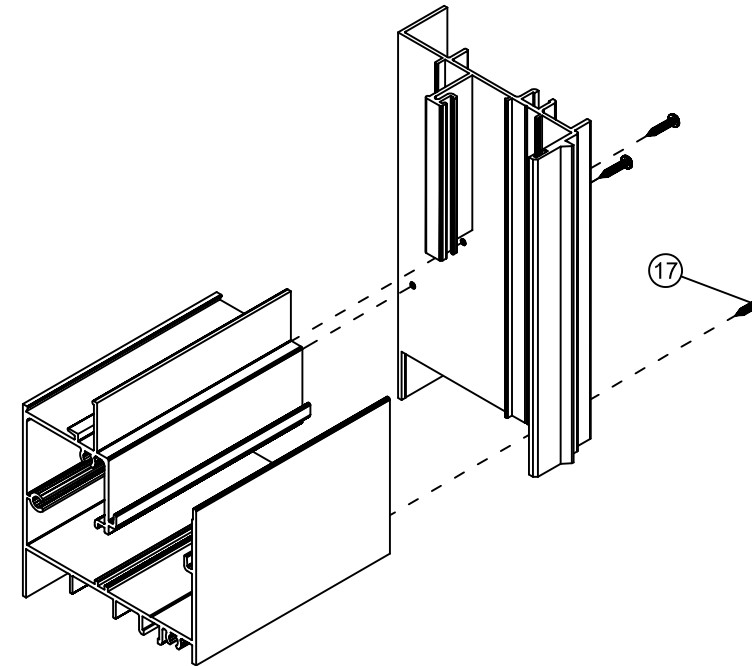
FLUSH FRAME ADAPTER CORNERS



FRAME TOP CORNERS



FIXED MTG. RAIL CORNER CORNERS



FRAME BOTTOM CORNERS

Revision:
 ADDED NEW HD MEETING RAIL, SIZES, AND DP'S, PLACED ANCHORS IN TABLE FORMAT, ADDED ANCHOR HEAD TYPE NOTE, UPDATED PART 12 AS OPTIONAL, 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 250 ALUMINUM HORIZONTAL ROLLER WINDOW		AM		HR250FPA- LM	
CORNER ASSEMBLY DETAILS		9 OF 9		Sheet		DWC	
SERIES 250		No.		By		Rev.	
Title		Desc.		Series		Date	

