



Product Approval
USER: Public User

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OFFICE OF THE
SECRETARY

FL #	FL39630-R4
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	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
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	FL39630_R4_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	10/18/2023
Date Pending FBC Approval	10/25/2023
Date Approved	12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
39630.1	Series 1500 Aluminum Outswing & Inswing Pivot Door	Large Missile Impact Resistant aluminum pivot door.
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 FL39630_R4_II_PV1500FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO_PV1500LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.2	Series 600 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD600FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO_FD600LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.3	Series 600 Aluminum Outswing Entrance Door	Non-Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD600FPA - NI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO_FD600NI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.4	Series 600 Aluminum Outswing Entrance Door	Small Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD600FPA - SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO_FD600SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.5	Series 650 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD650FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO_FD650LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.6	Series 800 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes		Installation Instructions FL39630_R4_II_FD800FPA - LMI 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 FL39630_R4_AE_ECO FD800LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.7	Series 810 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD810FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO FD810LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.8	Series 845 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD845FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO FD845LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
39630.9	Series 950 Aluminum Outswing Entrance Door	Large Missile Impact Resistant aluminum outswing entrance door.
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 FL39630_R4_II_FD950FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL39630_R4_AE_ECO FD950LMI 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:



INSTRUCTIONS:

USE DRAWING AS FOLLOWS

1. SELECT SINGLE OR DOUBLE DOORS FROM SHEET 2 OR SINGLE OR DOUBLE DOORS WITH TRANSOM FROM SHEET 3.
2. SELECT DOOR AND FRAME SIZE
3. DETERMINE DP RATING FROM SHEET 2 OR 3.
4. SELECT GLASS TYPE A OR A1 FROM SHEET 1.
5. SELECT LOCK OPTION AND CORRESPONDING MAX. SIZE FROM SHEET 8.
6. SELECT ANCHORING CONDITION AND CORRESPONDING ANCHOR TYPES FROM SHEET 4 THRU 7.

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

SERIES 800 COMMERCIAL
ALUMINUM OUT-SWING DOOR

DOORS CAN ALSO BE USED WITH ECO WINDOW'S FBC APPROVED SERIES 400 WINDOW WALL SYSTEM (UNDER SEPARATE APPROVAL). FOR DOORS WITH WINDOW WALL SYSTEM SEE SEPARATE APPROVAL FOR DOOR MULLION CAPACITY AND ANCHORING REQUIREMENTS. THE LOWEST VALUE RESULTING FROM DOOR CAPACITY OR WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DOOR APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

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.

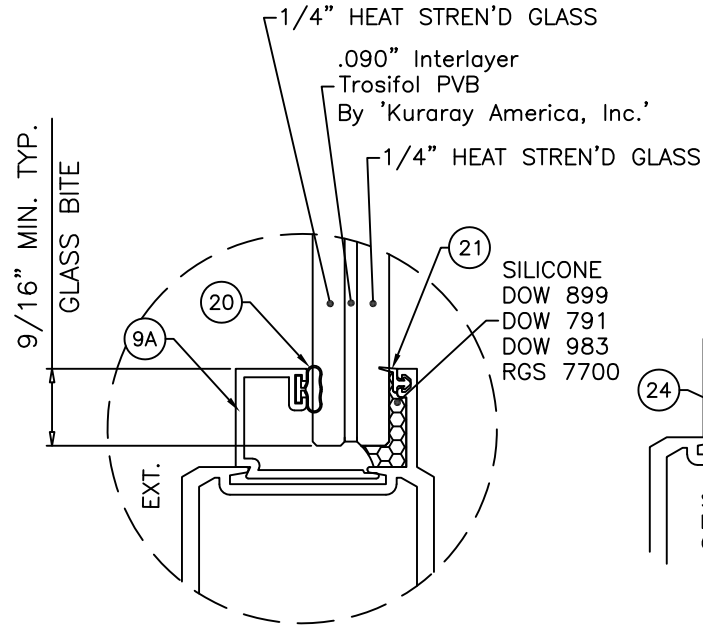
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

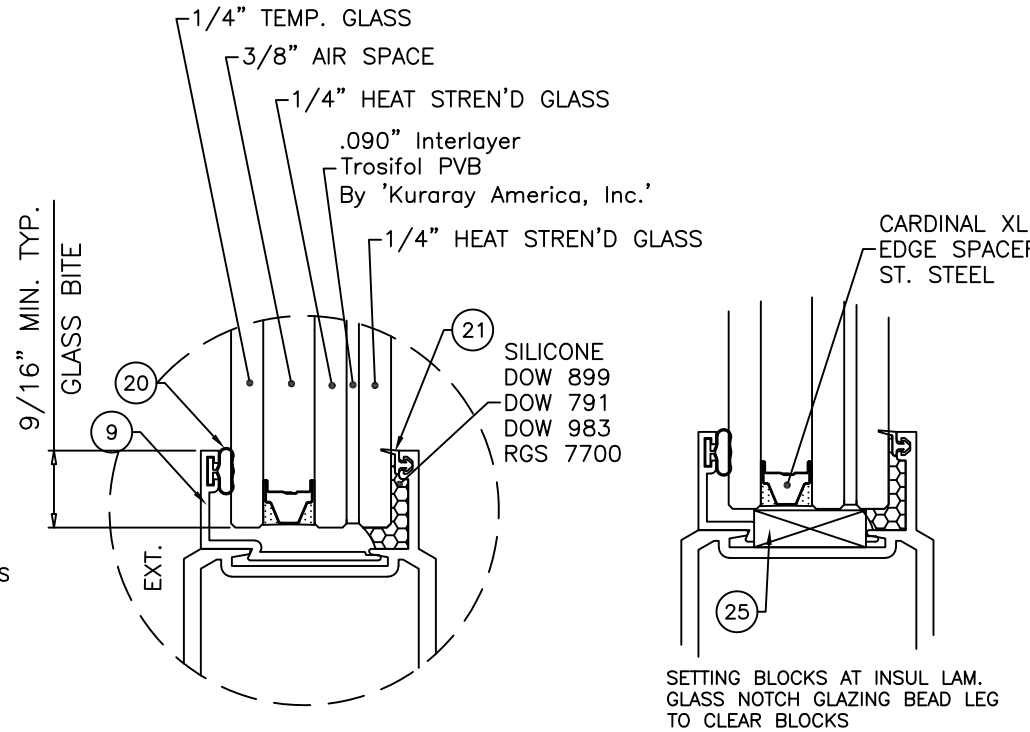
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

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

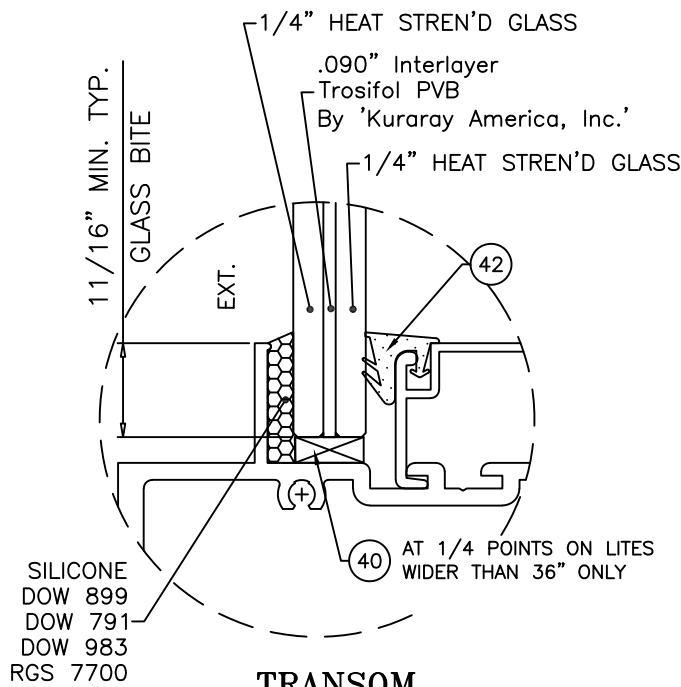
DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



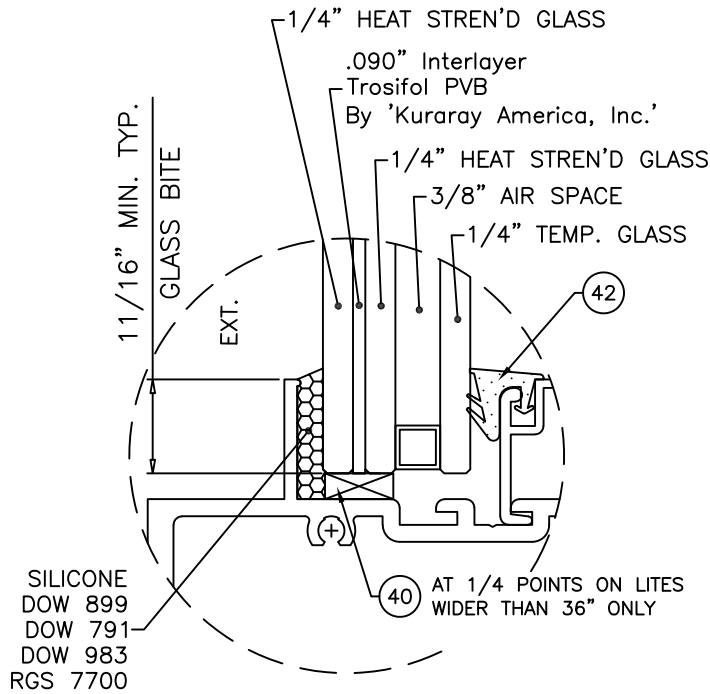
DOOR LEAF
GLASS TYPE 'A'



DOOR LEAF
GLASS TYPE 'A1'



TRANSOM
GLASS TYPE 'A'



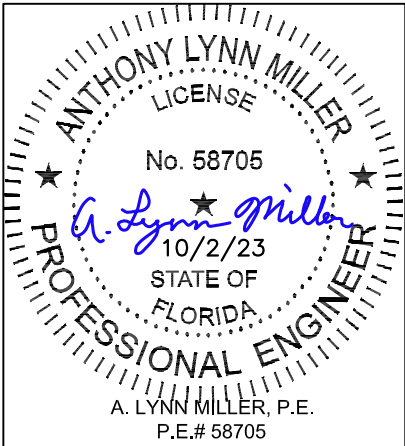
TRANSOM
GLASS TYPE 'A1' (REVERSE)

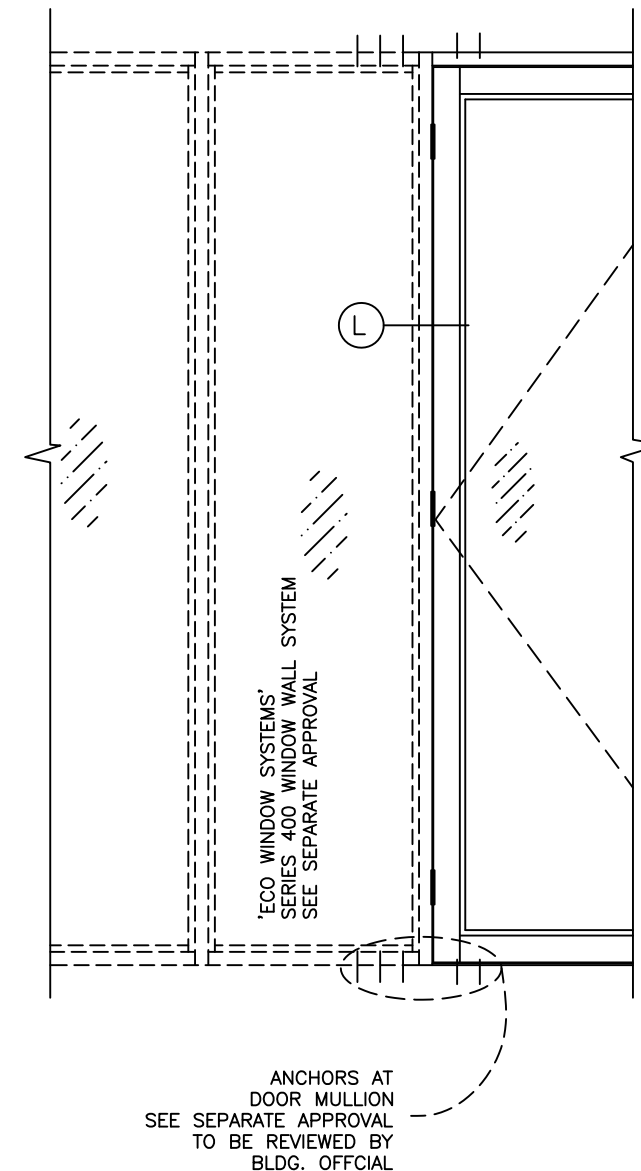
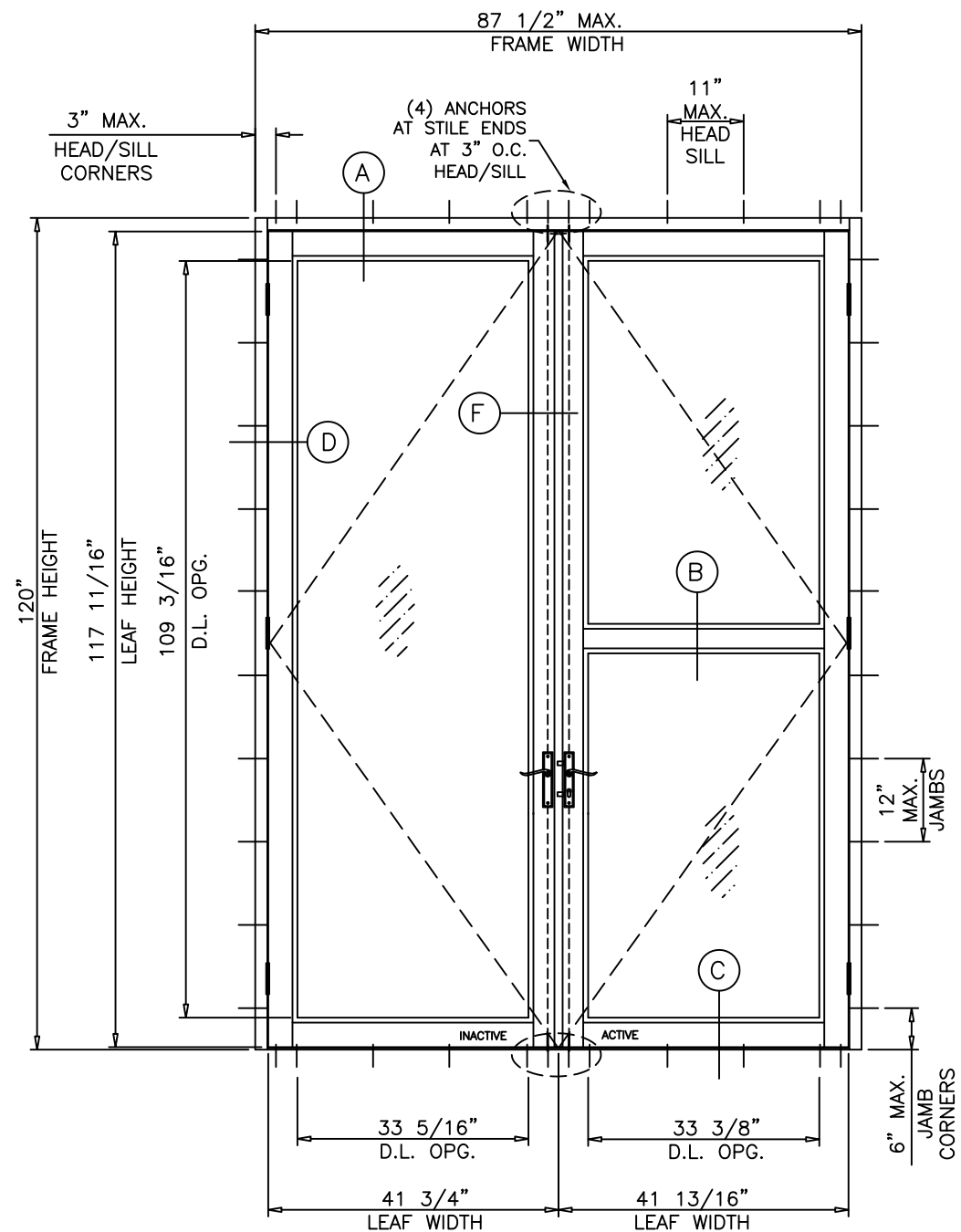
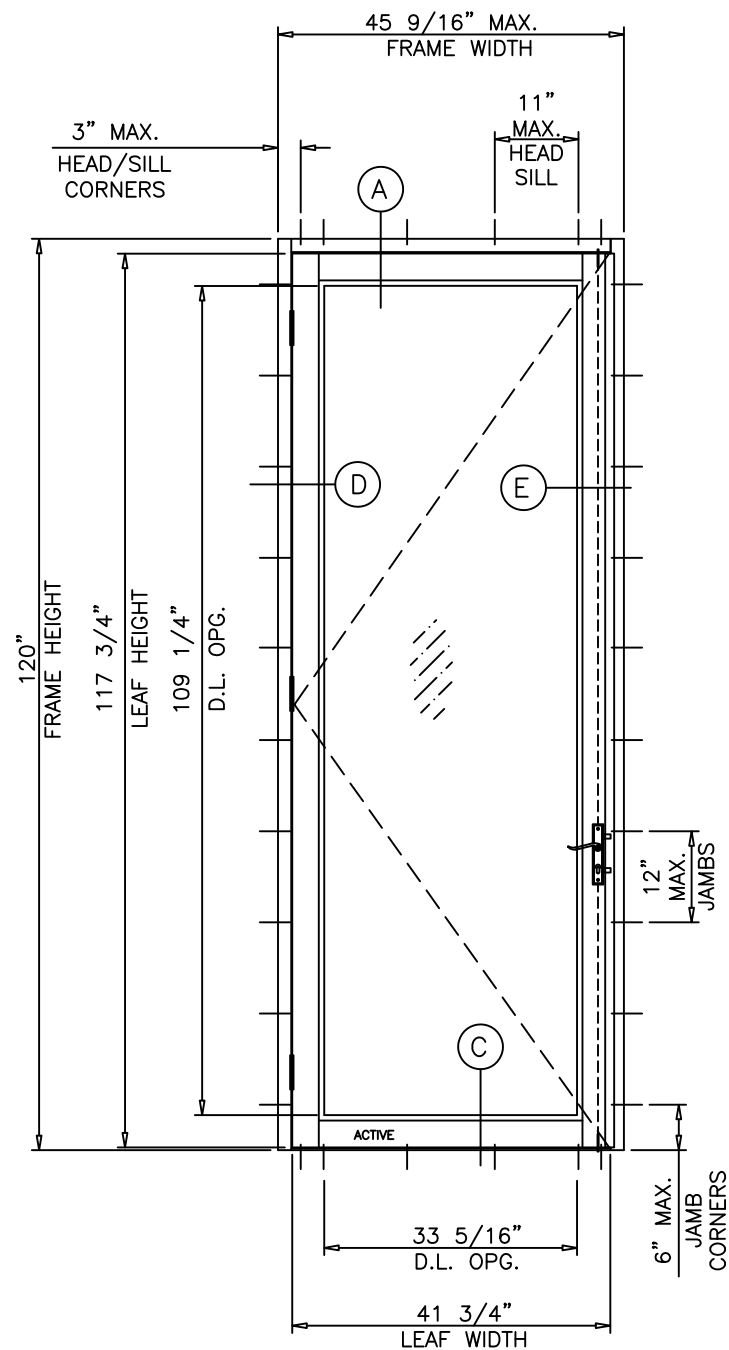
GLAZING OPTIONS

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

Revision:	PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL
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 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			
		DATE			
SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)		8/24/2022			
GENERAL INFORMATION & GLASS		DRAWN BY		HONG C.	
SERIES 800		1 OF 12		DWG. NO.	
Sheet		FD800FPA - LMI		Rev.	
Series		A			





TYPICAL ELEVATIONS

SINGLE DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		LOCK OPTIONS			
		#1 & #2		#3	
FRAME WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
42-9/16"	108"	80.0	80.0	80.0	80.0
45-9/16"	120"	70.0	70.0	-	-

DOUBLE DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		LOCK OPTIONS			
		#1 & #2		#3	
FRAME WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
81-1/2"	108"	80.0	80.0	80.0	80.0
87-1/2"	120"	70.0	70.0	-	-

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

GLASS D.L.O. FORMULAE: (DOOR)

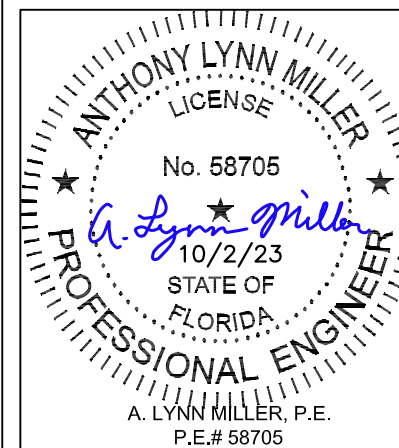
D.L.O. WIDTH = FRAME WIDTH - 12.250" (X DOORS)

D.L.O. WIDTH = (FRAME WIDTH - 20.875")/2 (XX DOORS)

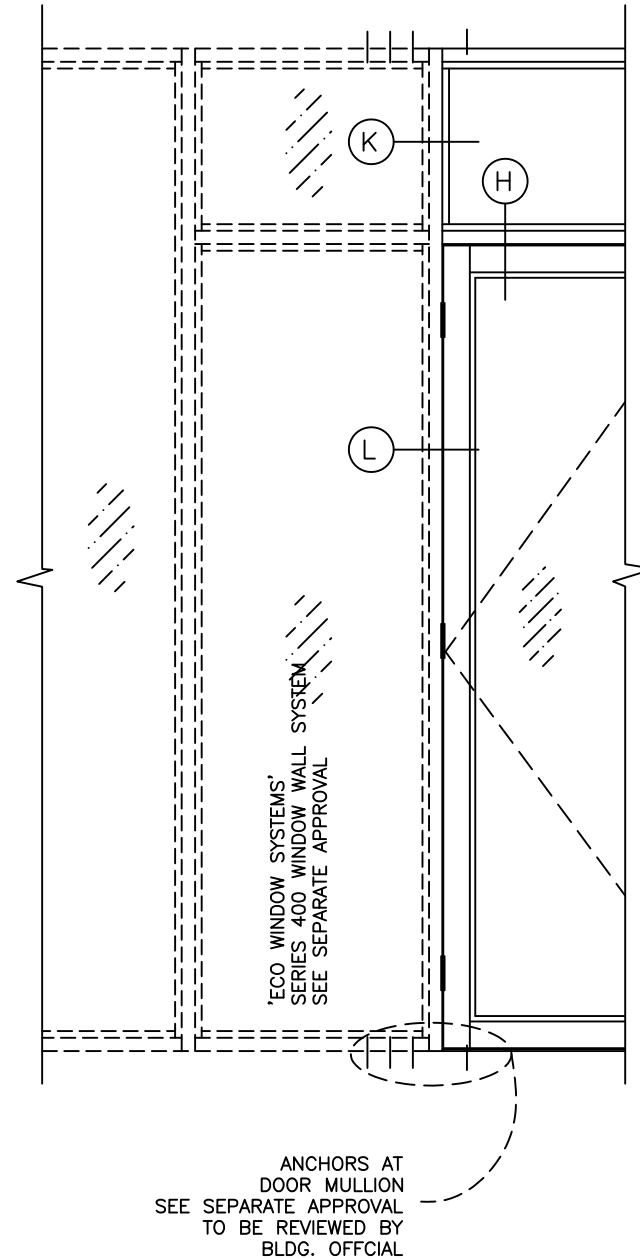
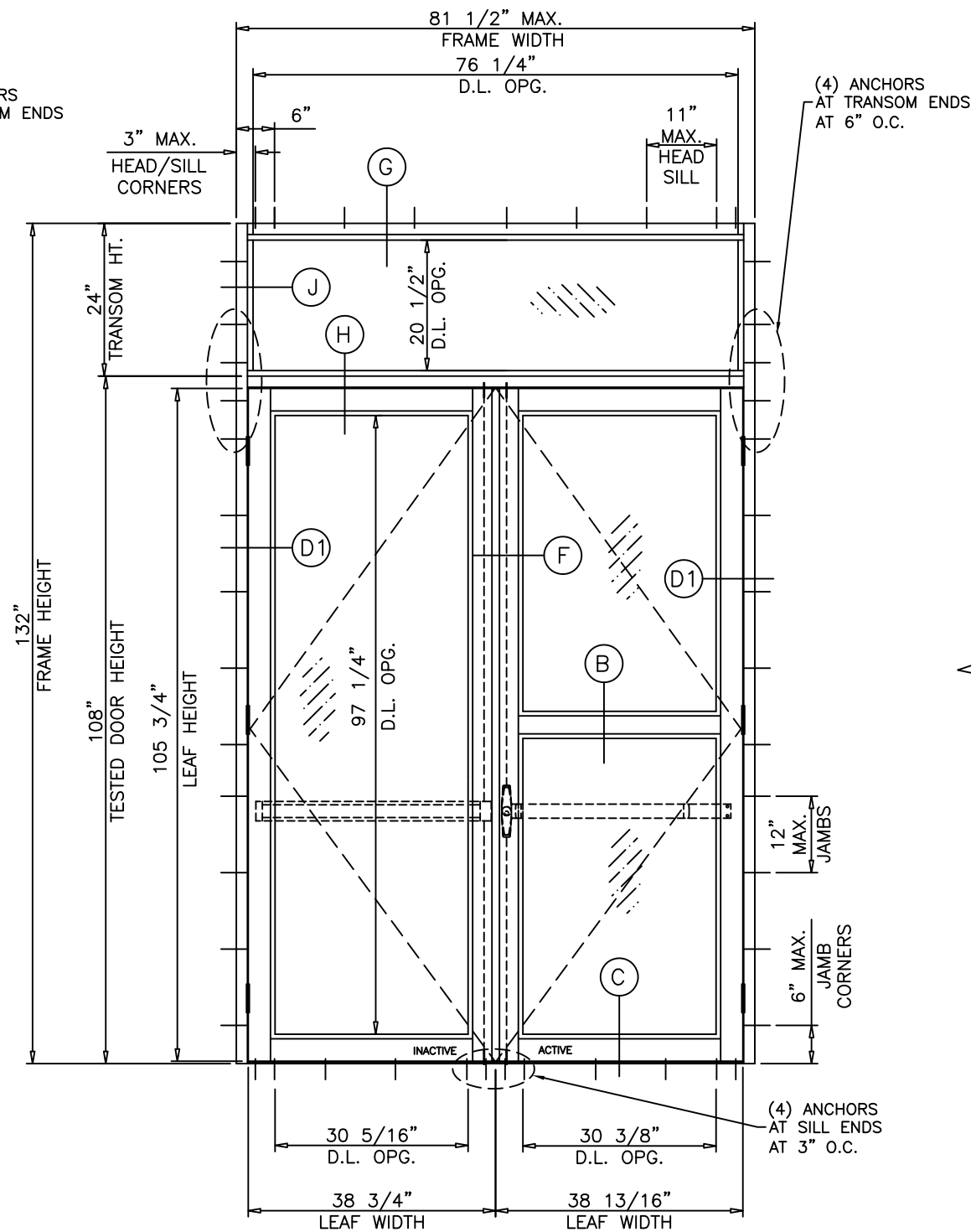
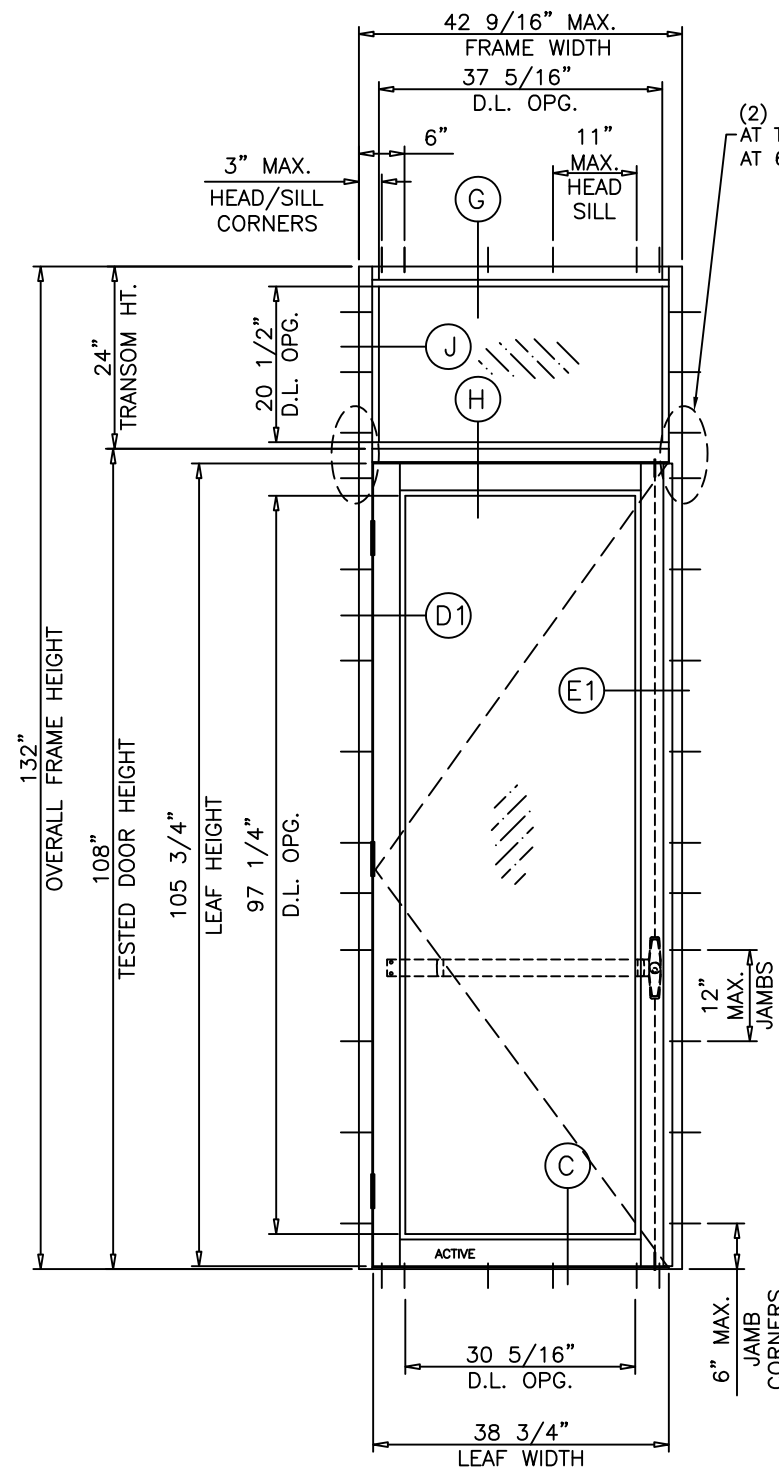
D.L.O. HEIGHT (ADA THRESHOLD) = FRAME HEIGHT - 10.750" (4-1/4" BOTTOM RAIL)
= FRAME HEIGHT - 16.500" (10" BOTTOM RAIL)

DOOR LEAF HEIGHT = FRAME HEIGHT - 2.250"

SEE SHEET 4 FOR WATER INFILTRATION RESISTANCE LIMITS



Series		Desc.		Title	
SERIES 800	2 OF 12	Sheet	FD800FPA - LMI	HONG C.	8/24/2022
X & XX ELEVATIONS & DP CHARTS		Dwg		REGISTRATION #29296	
PREPARED BY A. LYNN MILLER		1070 TECHNOLOGY DRIVE		N. VENICE, FL 34275	
		(941) 480-1600		REVISION:	
				PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE	
				ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL	



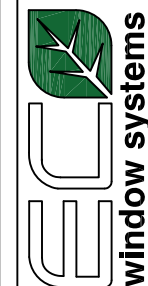
TYPICAL ELEVATION

SINGLE DOOR WITH TRANSOM LOAD CAPACITY - PSF						
DOOR DIMS.			LOCK OPTIONS			
			#1 & #2		#3	
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
42-9/16"	108"	24"	70.0	80.0	70.0	80.0
45-9/16"	120"	12"	70.0	70.0	-	-

GLASS D.L.O. FORMULAE: (TRANSOM)
D.L.O. WIDTH = FRAME WIDTH - 5.250"
D.L.O. HEIGHT = TRANSOM HEIGHT - 5.250"

DOUBLE DOOR WITH TRANSOM LOAD CAPACITY - PSF						
DOOR DIMS.			LOCK OPTIONS			
			#1 & #2		#3	
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
81-1/2"	108"	24"	70.0	80.0	70.0	80.0
81-1/2"	120"	12"	70.0	70.0	-	-

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



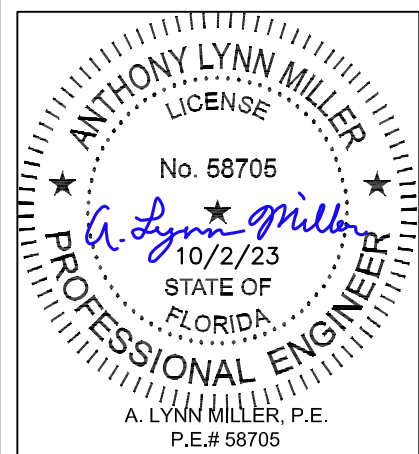
ECO WINDOW SYSTEMS, LLC.
8602 N.W. 80th ST. MEDLEY, FL 33166
TEL: (305) 885-5299 FAX: (305) 885-5902

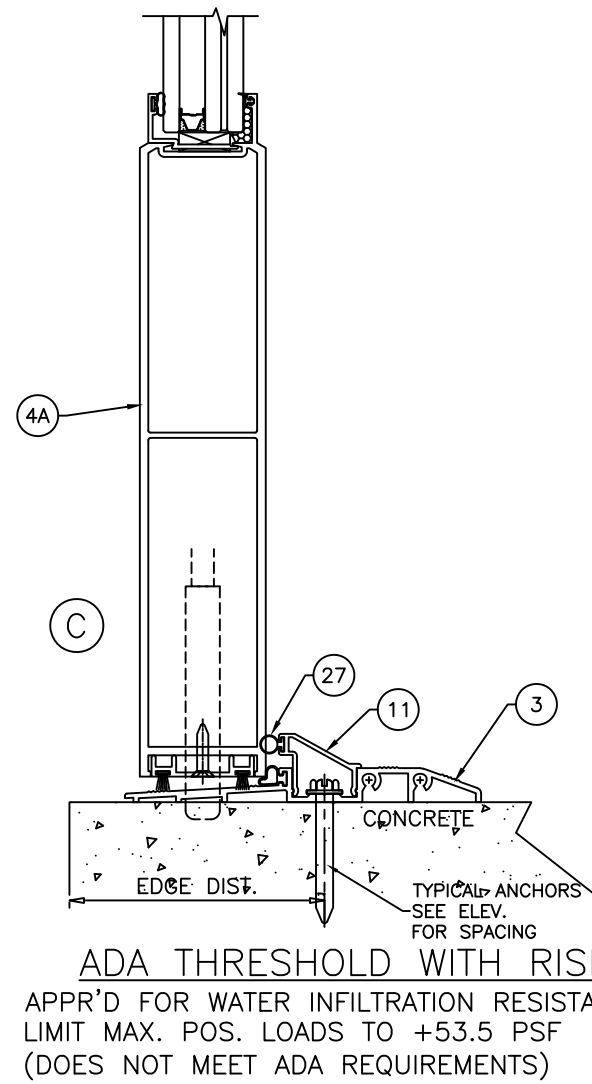
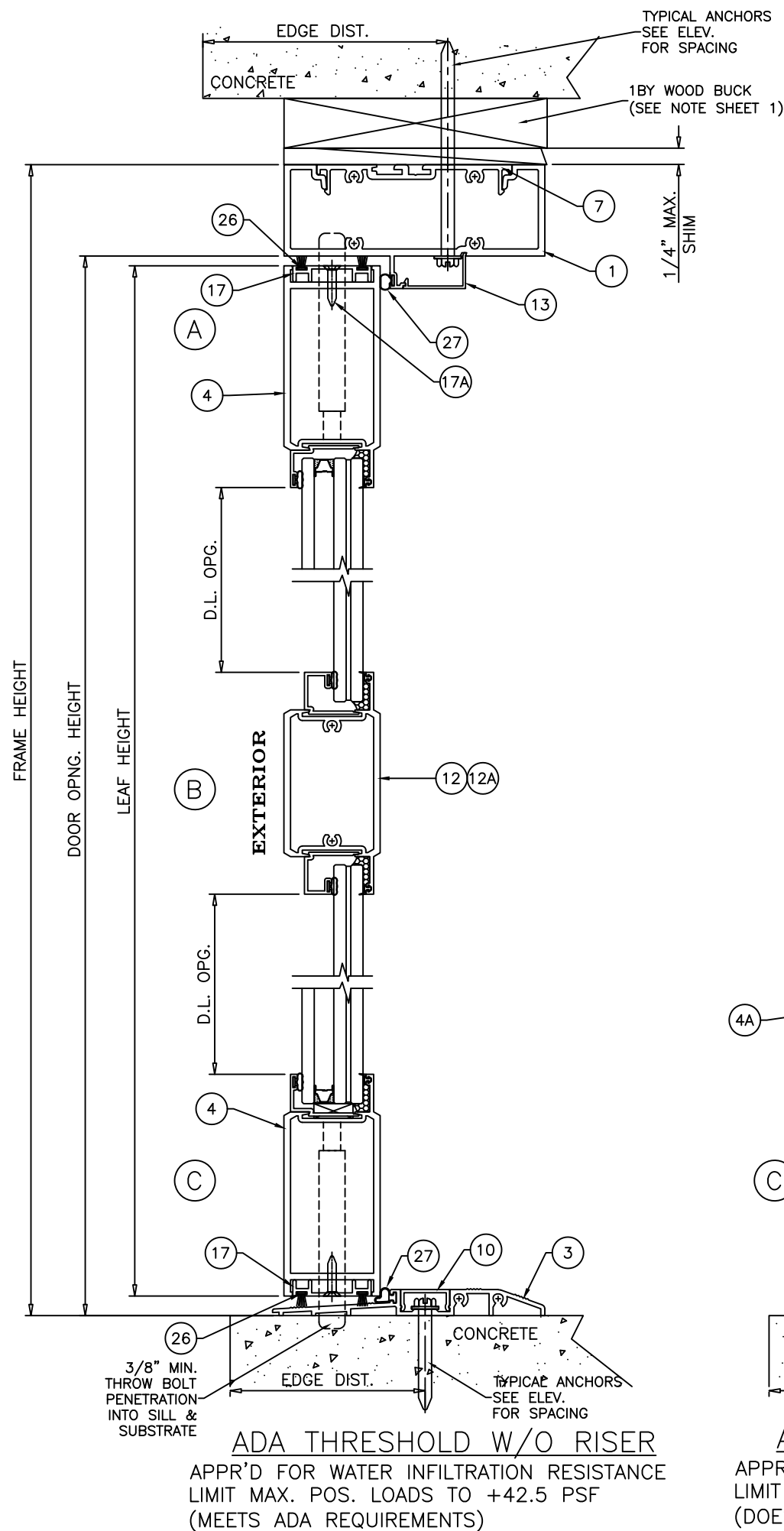
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

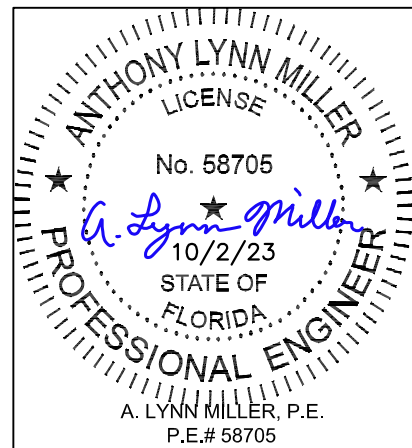
Series	Desc.	Sheet	DWG	Rev.	A
SERIES 800	OIX & OIXX ELEVATIONS AND DP CHARTS	3 OF 12	FD800FPA - LMI	8/24/2022	
	HONG C.				

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





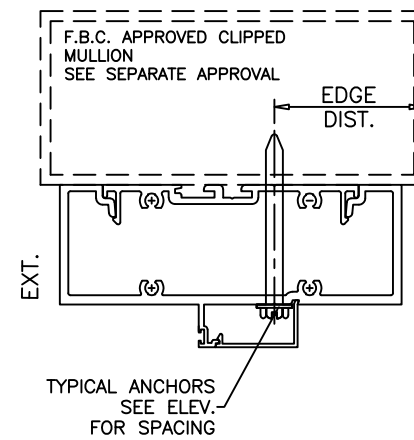
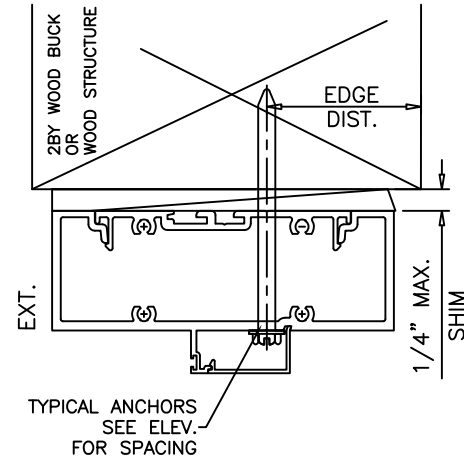
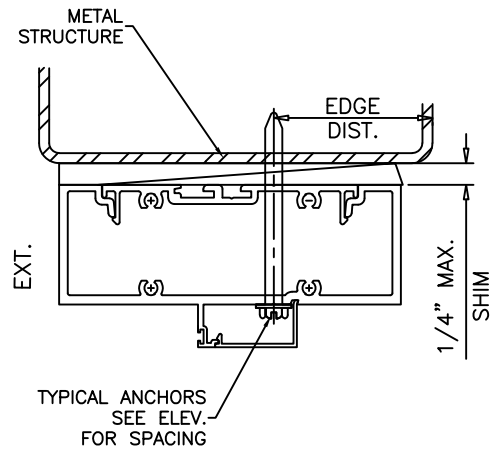
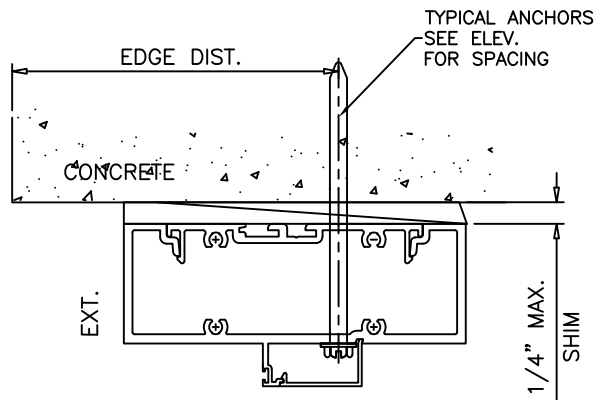
NOTE:
DOORS WITH ADA THRESHOLD AND HEIGHTS GREATER THAN 108"
ARE NOT RATED FOR WATER INFILTRATION.



Series	Desc.	Sheet	DWG	Rev.	A
SERIES 800	DOOR VERTICAL SECTION DETAILS	4 OF 12	FD800FPA - LMI		

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	8/24/2022	HONG C.		
ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)				

Revision:	Placed	Added	Removed	Backstop	Install
PLACED	ANCHORS IN	TABLE FORMAT,	ADDED DP	TABLE	ROUNDING AND
					ANCHOR HEAD
					TYPE NOTES,
					REMOVED
					SILICONE AND
					BACKSTOP ON
					INSTALL DETAIL



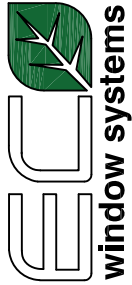
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

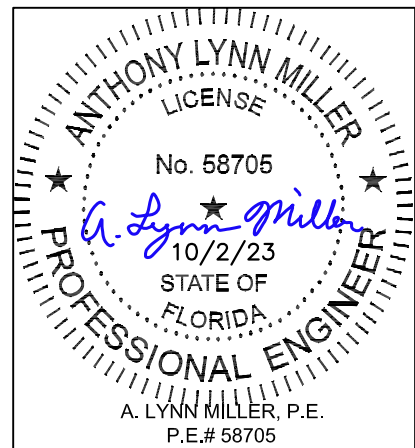
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

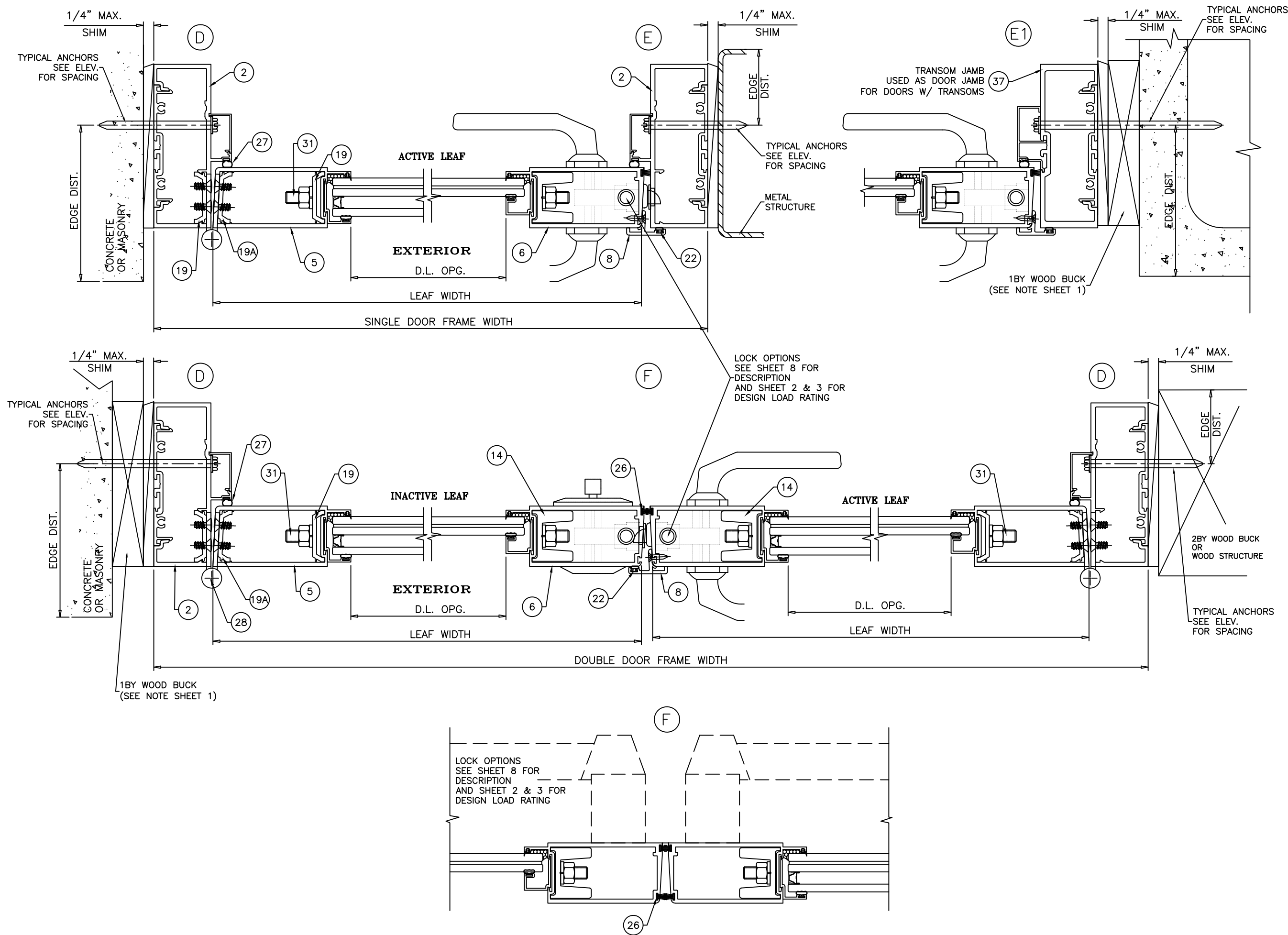
Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon +	Head/Jambs	Southern Pine (SG = 0.55)	1"	1-1/2"
	Head/Jambs	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	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	1/2"	(3) Threads min. beyond metal thickness
	Head/Jambs	Aluminum 1/8" Thk. Min. (6063-T5)	1/2"	(3) Threads min. beyond metal thickness
	Head/Jambs	Steel 1/8" Thk. Min. (min. 36 ksi)	1/2"	(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:
PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNDDING 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	8/24/2022	HONG C.	FD800FPA - LMI	A
 ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)	Date	Drawn	DWG	Sheet
DOOR HEADER INSTALLATION DETAILS	SERIES 800	Title	Desc.	5 OF 12	800





Revision:

PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNDR 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

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

8/24/2022

DATE

HONG C.

DRAWN BY

FD800FPA - LMI

REV.

A

SERIES 800

SHEET

6 OF 12

DWG No.

DOOR HORIZONTAL SECTION DETAILS

SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)

DESCRIPTION

ECO window systems

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

ANTHONY LYNN MILLER

LICENSE

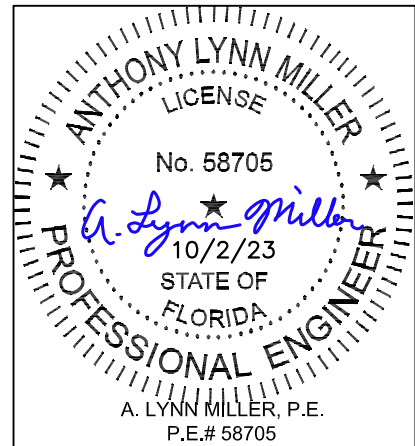
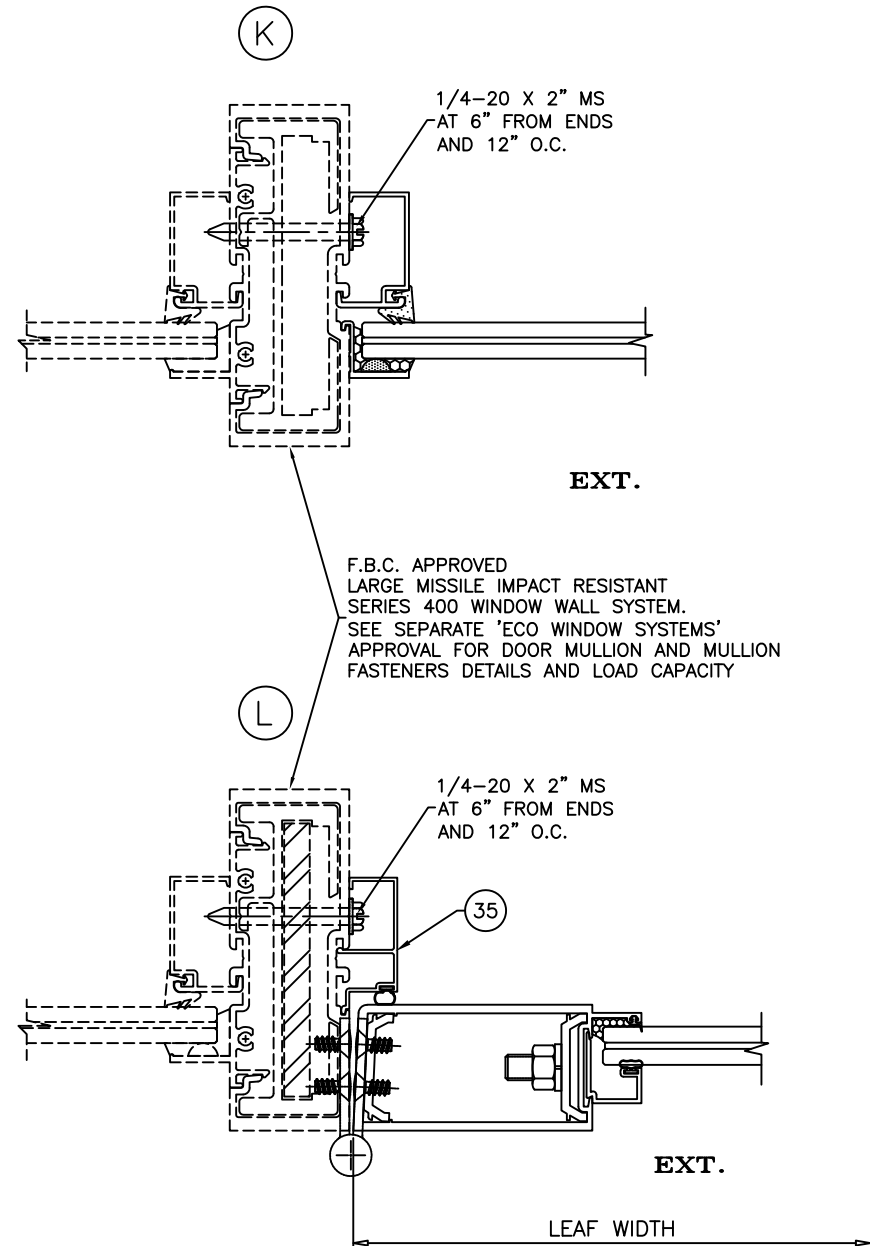
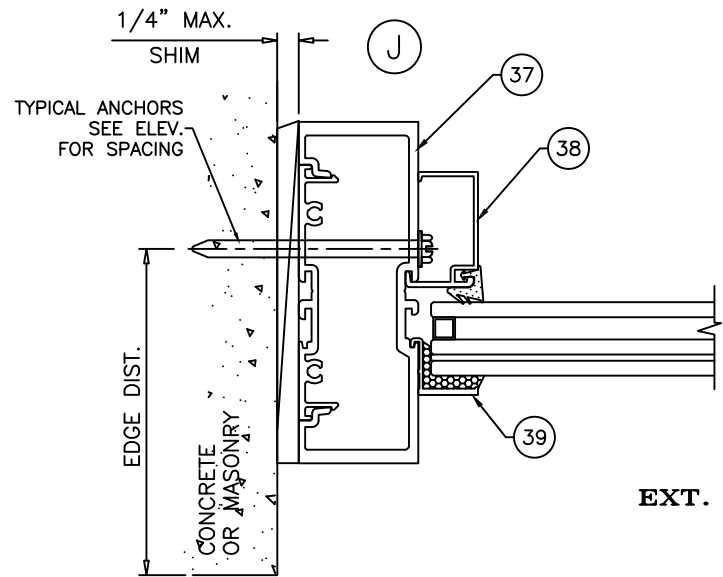
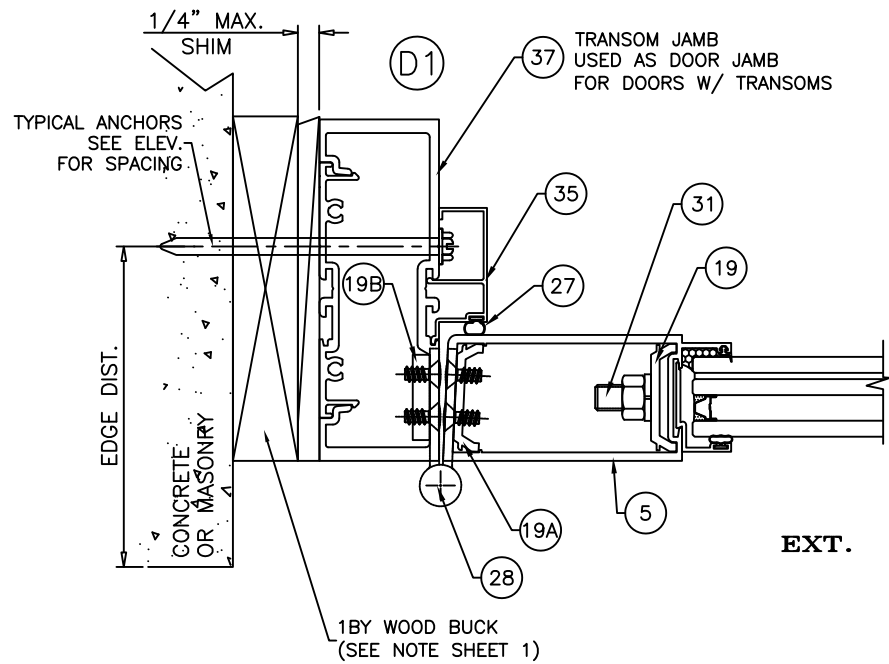
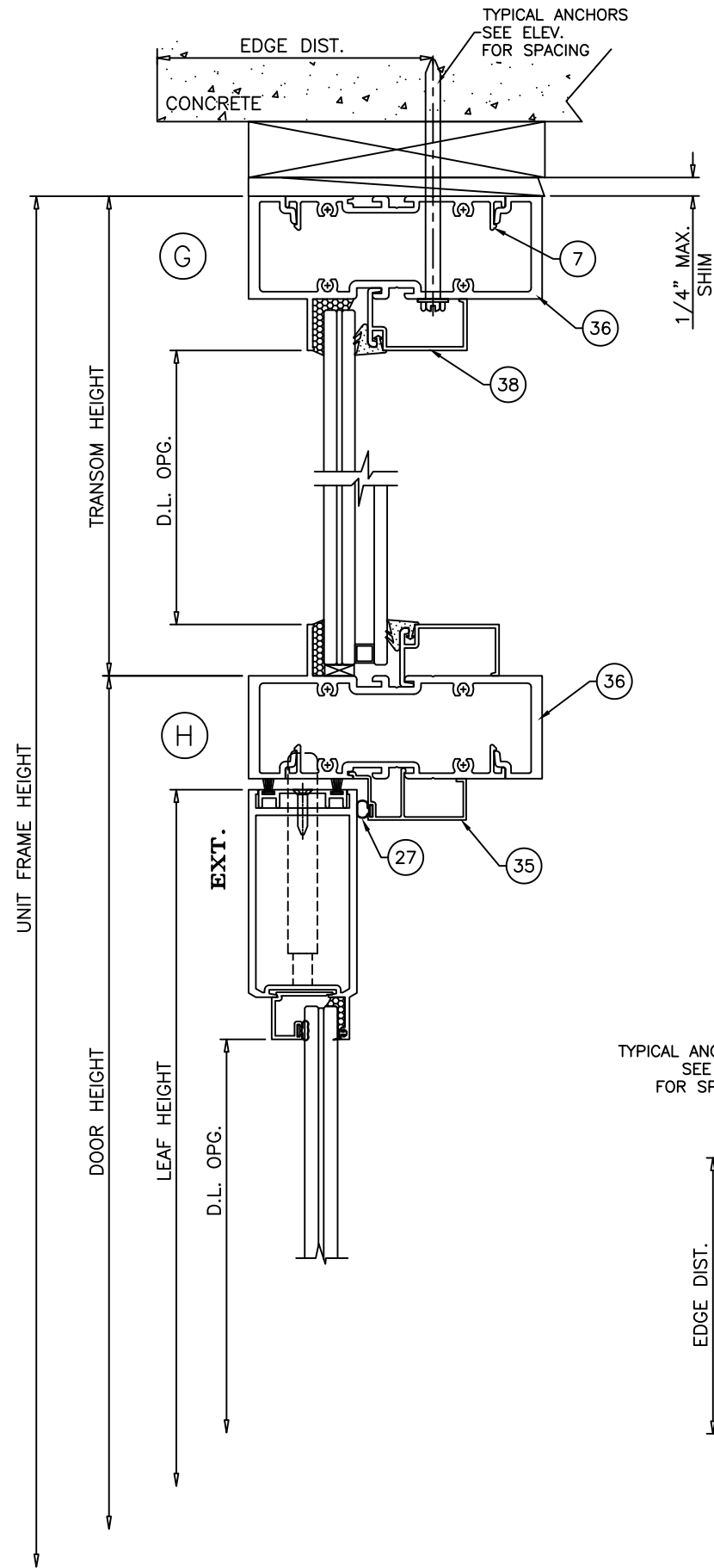
No. 58705

10/2/23

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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



Series	Desc.	Sheet	DWG	Rev.
SERIES 800	TRANSOM VERTICAL AND HORIZONTAL SECTION DETAILS	7 OF 12	FD800FPA - LMI	A

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	8/24/2022	HONG C.	8/24/2022
ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)	By	HONG C.	Date

Revision:	PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL
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LOCKS:

OPTION #1:

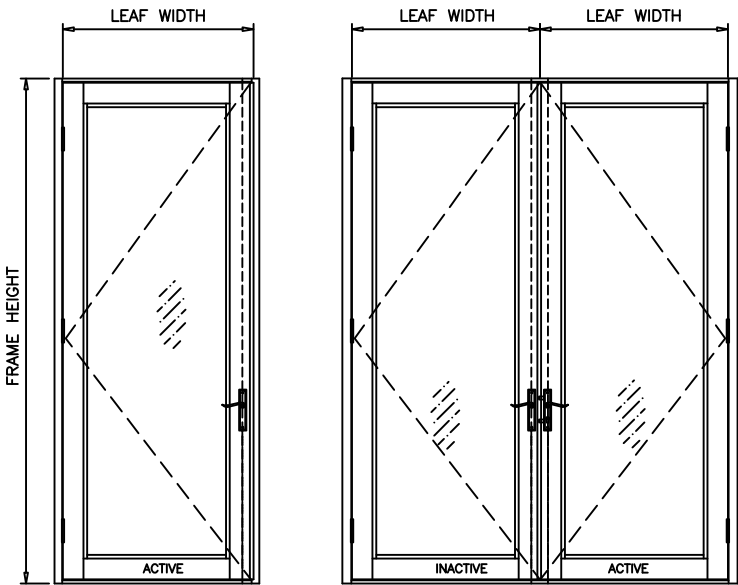
MAX. FRAME HEIGHT = 120-3/8 IN.
MAX. LEAF WIDTH = 41-3/4 IN.

ACTIVE LEAF:

3 POINT LOCK SYSTEM BY 'REGENT' AT 42-1/2"
FROM BOTTOM
HANDLE ACTIVATES 6 PLY HOOK LOCK AND SHOOT BOLTS
ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(4) #8 X 1/2" FH SMS

INACTIVE LEAF:

2 POINT LOCK ASSEMBLY BY 'REGENT' AT 42-1/2"
FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT
HEAD AND SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(2) 6-32 X 5/16" PH MACHINE SCREWS



HINGES:

4-1/2" LONG FLUSH MOUNT STEEL BUTT HINGES BY 'REGENT'
(3) PER LEAF
(1) AT 9" FROM TOP TO CL OF HINGE
(1) AT 7-1/4" FROM OTTOM TO CL OF HINGE
CENTER HINGE EQUALLY SPACED FROM TOP & BOTTOM HINGE
FASTENED WITH 1/4-20 X 1/2" FH MACHINE SCREWS
FOUR PER HASP(LEAF).

OPTION #2:

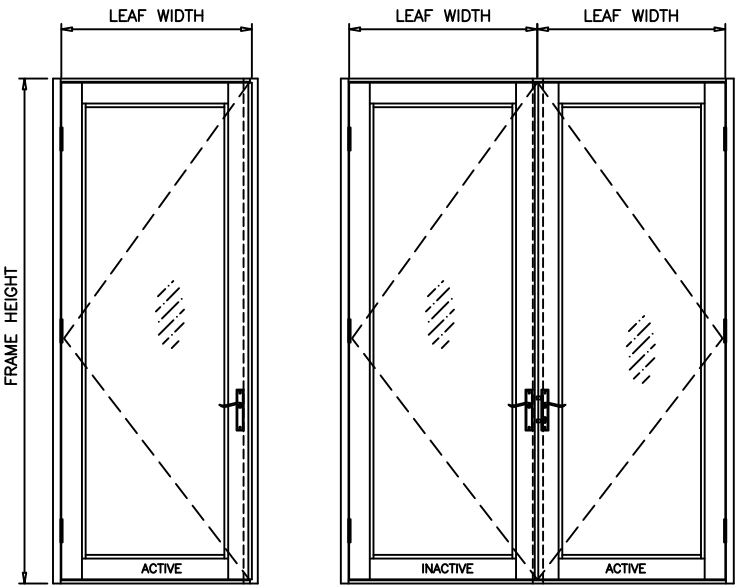
MAX. FRAME HEIGHT = 120-3/8 IN.
MAX. LEAF WIDTH = 41-3/4 IN.

ACTIVE LEAF:

4 POINT LOCK SYSTEM BY 'INTERLOCK' AT 42"
FROM BOTTOM
HANLE ACTIVATES HOOK LOCK AND SHOOT BOLTS
ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR
FASTENED TO ACTIVE LEAD LOCK STILE WITH
(2) #8 X 5/16" FH MS
(1) 10-32 X 1-5/8" FH MS

INACTIVE LEAF:

2 POINT LOCK SYSTEM BY 'INTERLOCK' AT 42"
FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT
HEAD AND SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(2) 8-32 X 2-3/16" OH MS



OPTION #3:

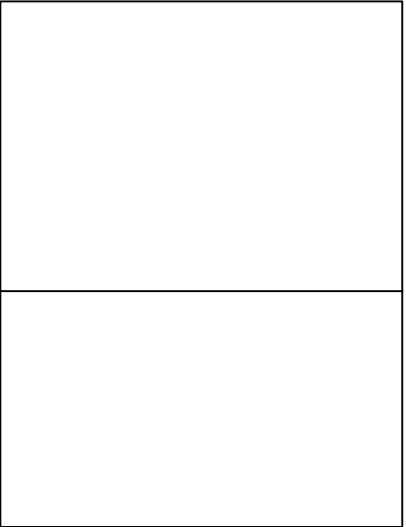
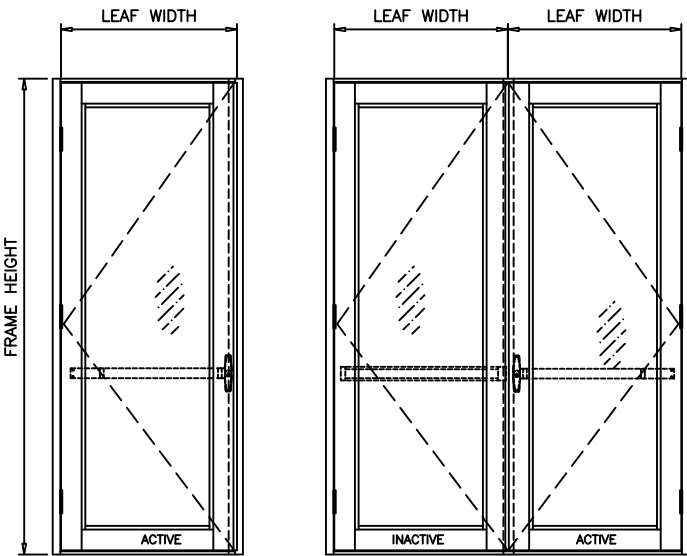
MAX. FRAME HEIGHT = 108 IN.
MAX. LEAF WIDTH = 38-3/4 IN.

ACTIVE LEAF:

'SERIES 5770' CONCEALED VERTICAL ROD PANIC EXIT
DEVICE BY 'REGENT'
LOCATED AT 42-1/2" FROM SILL
FASTENED TO ACTIVE LEAF WITH
(4) #10 X 3/4" FH SDS
(2) 10-32 X 3/4" FH MS
(2) 10-32 X 2" FH MS

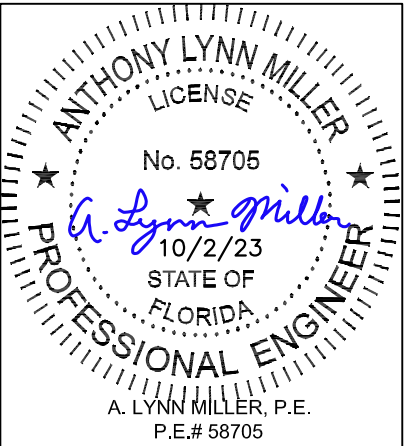
INACTIVE LEAF:

'SERIES 5770' CONCEALED VERTICAL ROD PANIC EXIT
DEVICE BY 'REGENT'
LOCATED AT 42-1/2" FROM SILL
FASTENED TO INACTIVE LEAF WITH
(2) 10-32 X 3/4" FH MS
(4) #10 X 3/4" FH MS



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

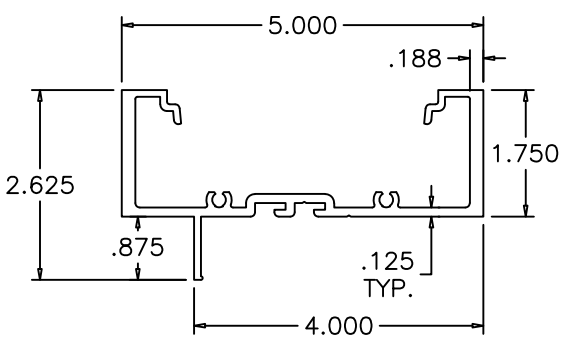
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	8/24/2022	Date	HONG C.	By	FD800FPA - LMI	Rev.	A
ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)	LOCK & HINGE DESCRIPTIONS	8 OF 12	Sheet	DWC	No.	Title	Series



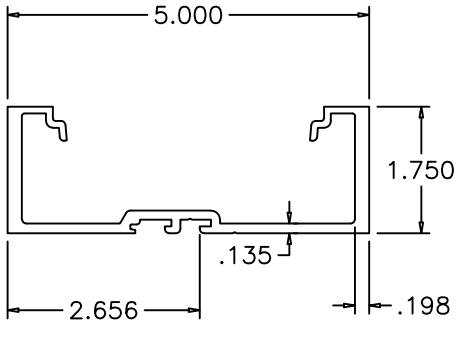
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E801	1	DOOR FRAME HEAD	6063 – T6	–
2	E802	2	DOOR FRAME JAMB	6063 – T6	–
3	E804	1	ADA THRESHOLD	6063 – T6	–
4	E805	2/LEAF	LEAF TOP & BOTTOM RAIL	6063 – T6	–
4A	E808	1/LEAF	10” BOTTOM RAIL	6063 – T6	–
5	E806	1/LEAF	LEAF HINGE STILE	6063 – T6	–
6	E823	1/LEAF	LEAF LOCK STILE	6063 – T6	–
7	UW–402	AS REQD.	SHEAR CLIP. 4” LONG	6063 – T6	–
8	E809	AS REQD.	ASTRAGAL W’STRIP ADAPTER	6063 – T6	–
9	E810	4/LEAF	GLAZING BEAD (INSUL. LAM. GLASS)	6063 – T6	–
9A	E811	4/LEAF	GLAZING BEAD (LAM. GLASS)	6063 – T6	–
10	E816	AS REQD.	ADA THRESHOLD COVER	6063 – T6	–
11	E818	AS REQD.	ADA THRESHOLD RISER	6063 – T6	–
12	E819	AS REQD.	INTERMEDIATE HORIZONTAL TYPE 1	6063 – T6	–
12B	E822	AS REQD.	INTERMEDIATE HORIZONTAL SHEAR BLOCK	6063 – T6	–
13	E820	AS REQD.	DOOR FRAME SNAP COVER	6063 – T6	–
14	E824	AS REQD.	ASTRAGAL STIFFENER	6063 – T6	–
15	E825	AS REQD.	LOCK BACK–UP PLATE	6063 – T6	–
17	E608	AS REQD.	LEAF W’STRIP ADAPTER	6063 – T6	–
17A	#8 X 3/4”	AS REQD.	ADAPTER FASTENER, AT 11” O.C.	6063 – T6	FH SELF DRILLING SCREW
18	E612	AS REQD.	LEAF ALIGNMENT BRACKET	6063 – T6	–
19	E613	AS REQD.	LEAF CLAMP	6063 – T6	–
19A	E613	AS REQD.	HINGE BACKUP PLATE, 9” LONG	6063 – T6	–
19B	–	AS REQD.	ALTERNATIVE HINGE BACKUP PLATE, 9” LONG	ALUMINUM	1/4” X 1–1/4” X 9”
20	E20618.KN3020	AS REQD.	GLAZING VINYL	EPDM	DUROMETER 70±5 SHORE A
21	E815	4/LEAF	SILICONE DAM	EPDM	DUROMETER 70±5 SHORE A
22	E817	AS REQD.	ASTRAGAL SEAL	EPDM	DUROMETER 70±5 SHORE A
24	–	2/LITE	SETTING BLOCK, 1/4” X 1/2” X 4”LONG	EPDM	AT 6” FROM ENDS DUROMETER 65±5 SHORE A
25	–	2/LITE	SETTING BLOCK, 1/4” X 3/4” X 4”LONG	EPDM	AT 6” FROM ENDS DUROMETER 65±5 SHORE A
26	W11323	–	PILE W’STRIPPING	WOOL	ULTRAFAB
27	E20618–KN–3020	–	BULB W’STRIPPING	SANTOPRENE	EPDM
28	–	3/LEAF	BUTT HINGES	ALUMINUM	REGENT
29	1/4–20 X 1/2”	–	HINGE INSTALLATION FASTENERS	–	FH MS
30	#12 X 1–1/4”	AS REQD.	FRAME ASSEMBLY SCREWS	–	HH SELF DRILLING SCREWS
31	–	–	3/8” DIA. THREADED ROD	STEEL	–
33	E812	AS REQD.	DOOR TRANSITION MULLION	6063 – T6	–
34	E813	AS REQD.	TRANSITION MULLION STIFFENER	6063 – T6	–
35	E814	AS REQD.	W’STRIP ADAPTER AT TRANSITION MULLION	6063 – T6	–
36	UW–401	AS REQD.	TRANSOM HEAD/SILL	6063 – T6	–
37	E812	AS REQD.	TRANSOM JAMB	6063 – T6	–
38	UW–404	AS REQD.	GLAZING BEAD (TRANSOM)	6063 – T6	–
39	UW–408	AS REQD.	FRAME INSERT (TRANSOM)	6063 – T6	–
40	–	2/LITE	SETTING BLOCKS (3/16” X 1/2” X 2” LONG)	EPDM	DUROMETER 80±5 SHORE A
42	UW–406	AS REQD.	GLAZING GASKET	NEOPRENE	DUROMETER 55±5 SHORE A

SEALANT:

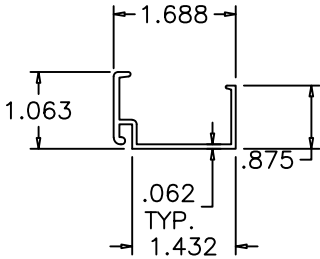
ALL FRAME/PANEL JOINTS AND SEAMS SEALED WITH SCHNEE MOREHEAD JM5504 SEALANT



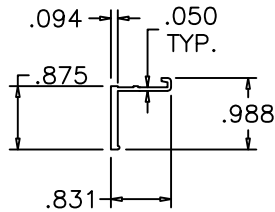
36 TRANSOM HEAD/SILL



37 TRANSOM JAMB



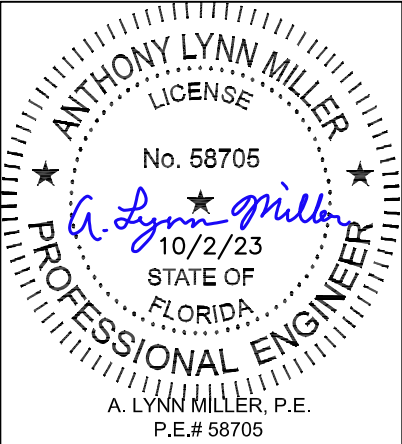
38 GLAZING BEAD (TRANSOM)

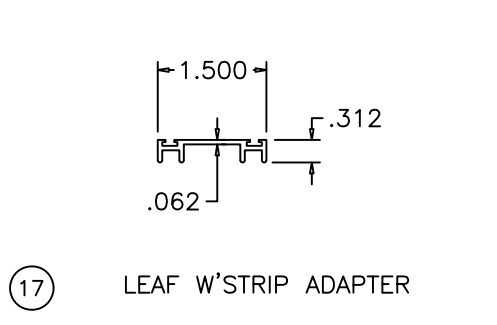
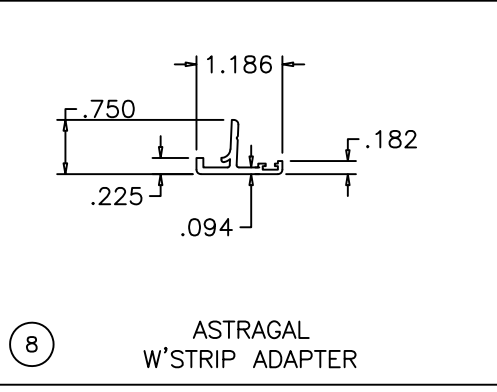
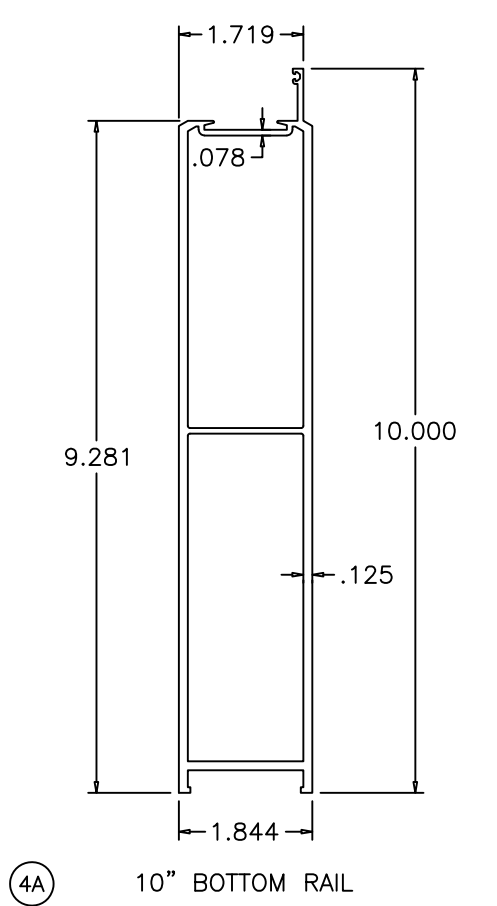
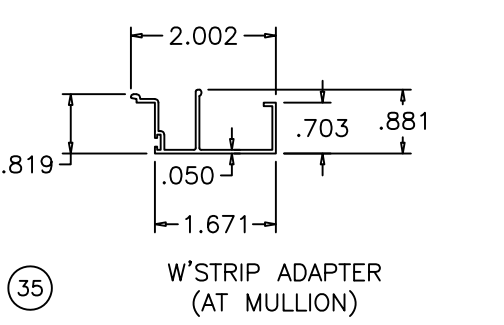
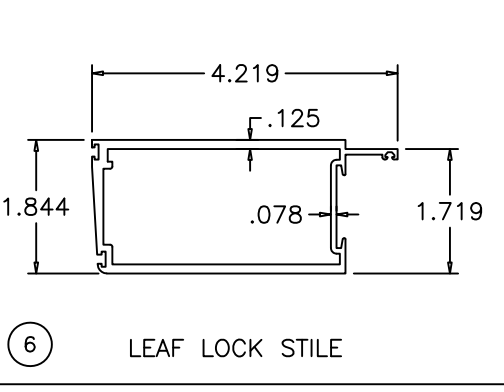
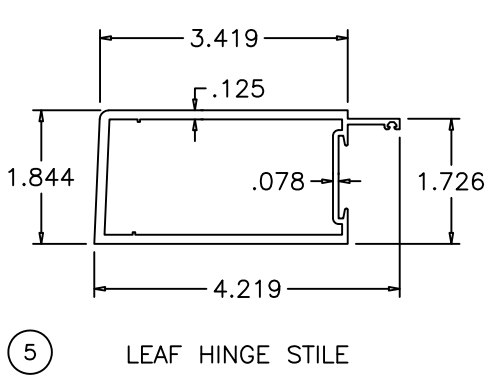
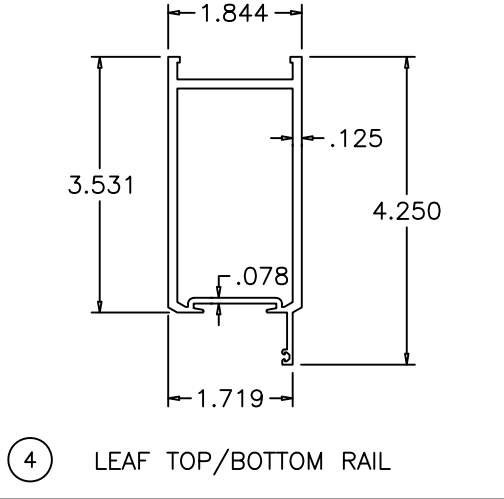
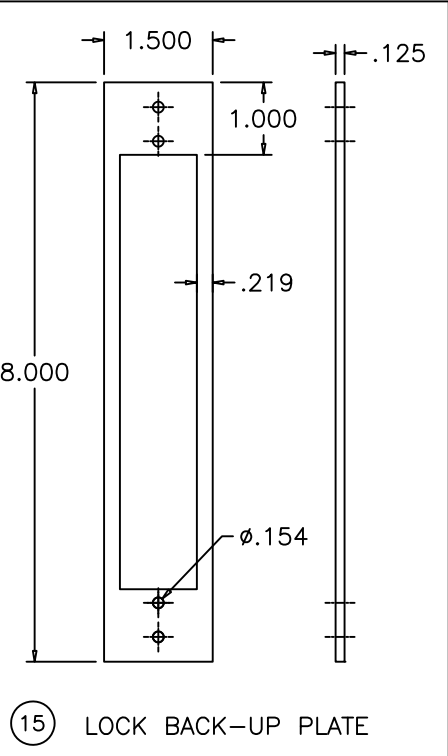
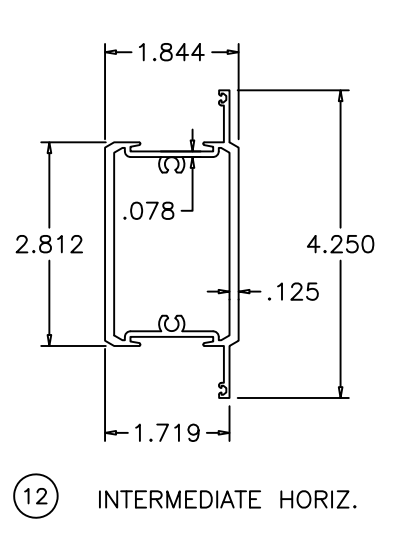
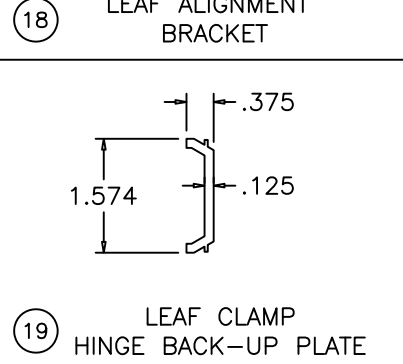
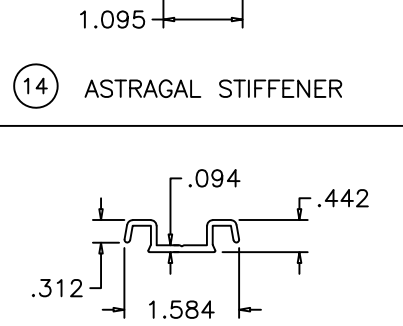
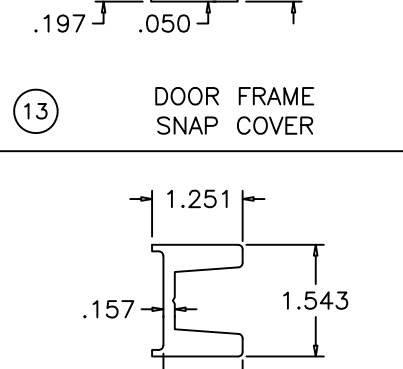
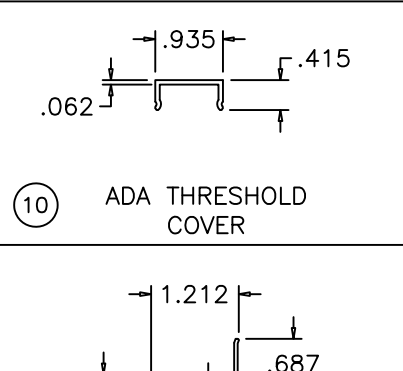
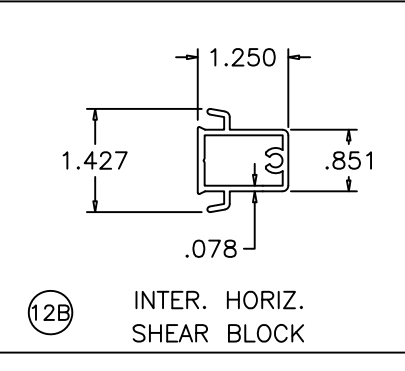
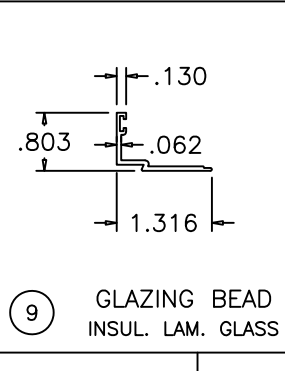
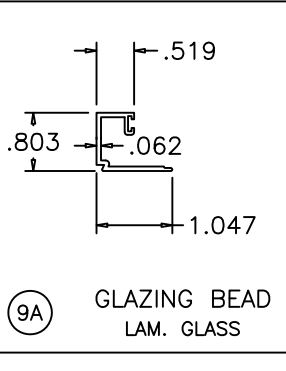
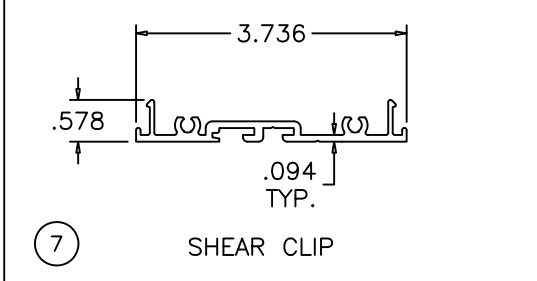
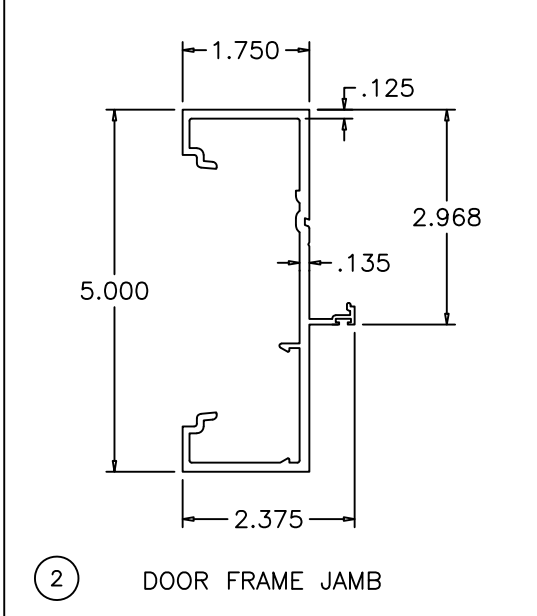
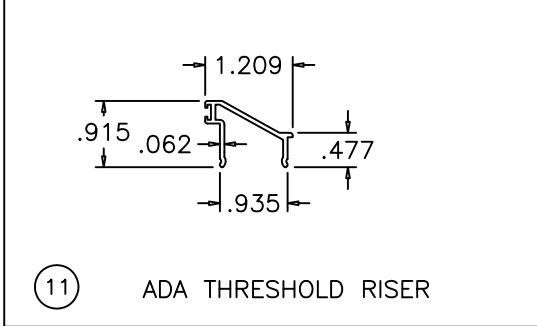
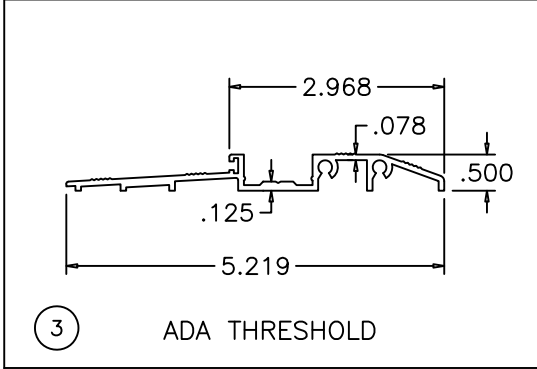
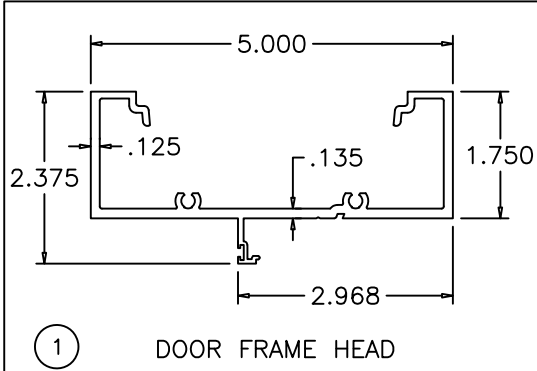


39 FRAME INSERT (TRANSOM)

Revision:
PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

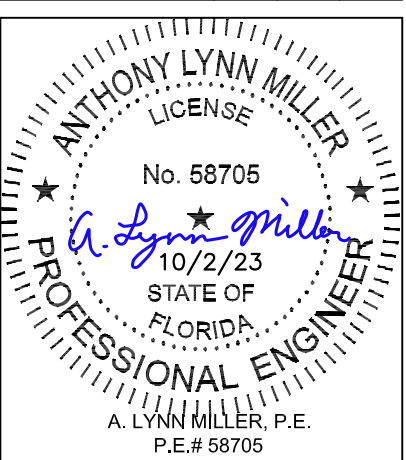
 ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600						
	REGISTRATION #29296						
Series	SERIES 800	Sheet	9 OF 12	DWG No.	FD800FPA - LMI	Rev.	A
BILL OF MATERIALS				Drawn By	HONG C.		
Title	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)				Date	8/24/2022	

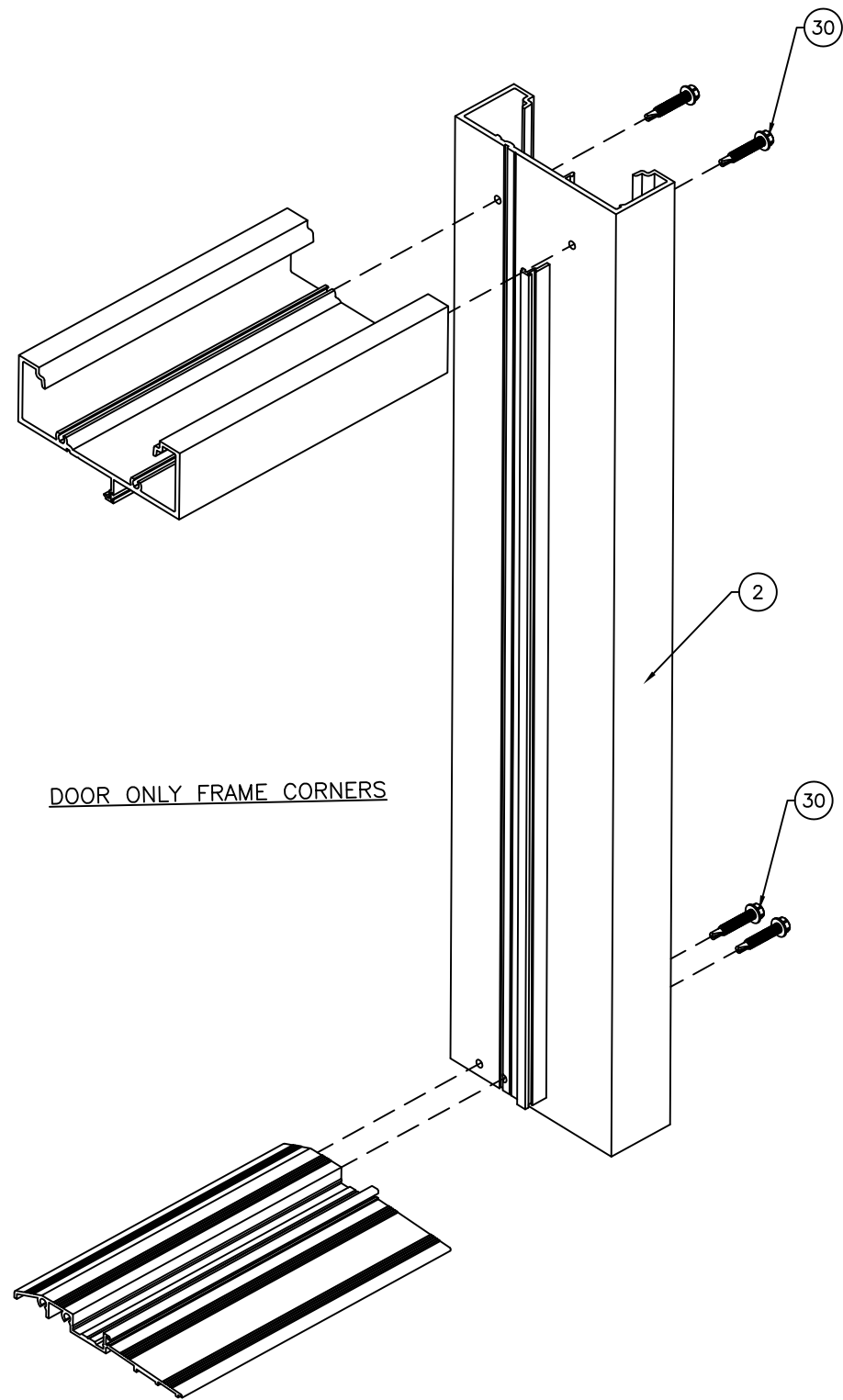




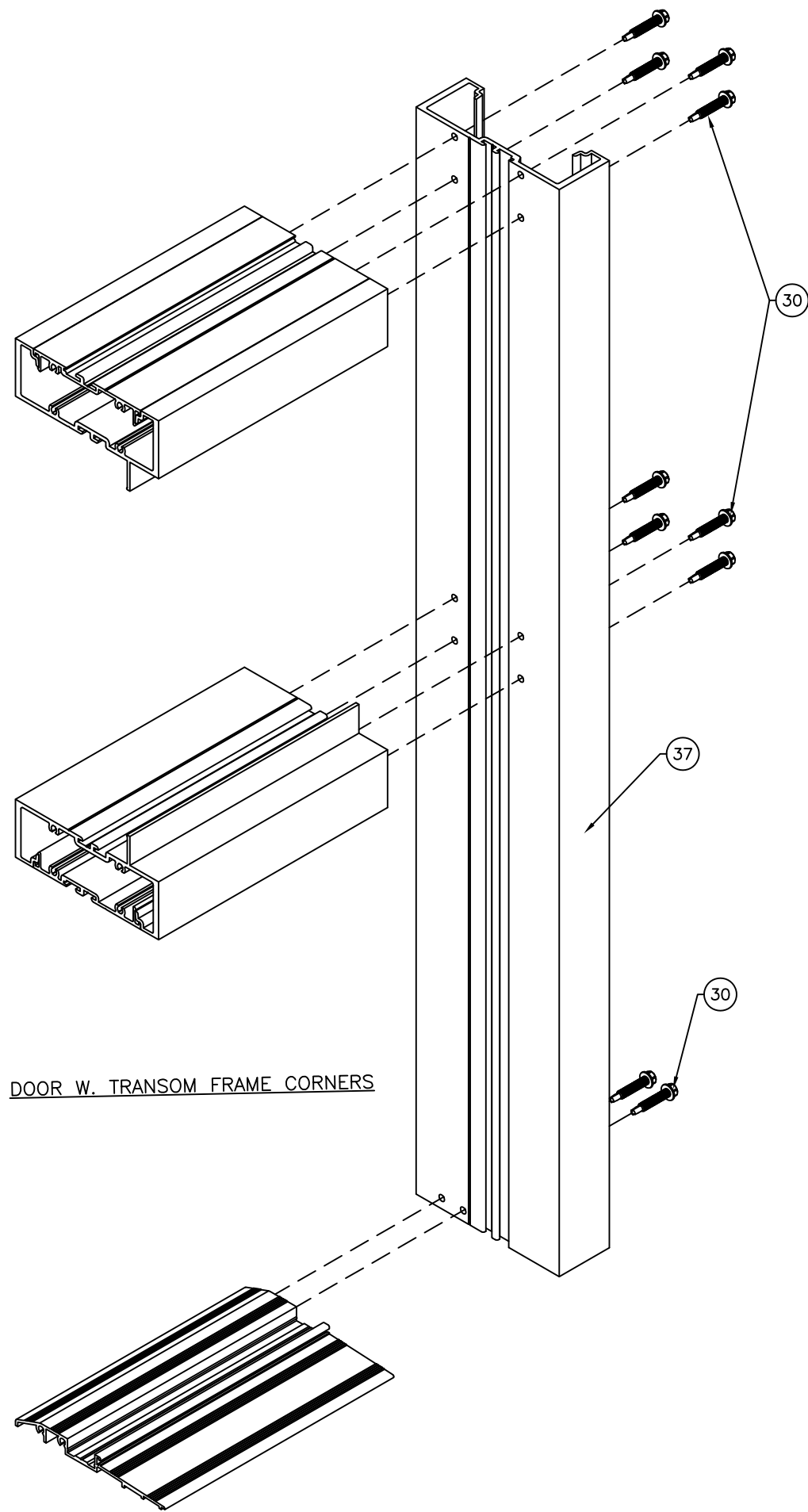
Revision:	
PLACED	ANCHORS IN
TABLE FORMAT,	ADDED DP
TABLE	ROUNDING AND
ANCHOR HEAD	TYPE NOTES,
REMOVED	SILICONE AND
BACKSTOP ON	INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		8/24/2022		A	
HONG C.		FD800FPA - LMI		10 OF 12		SERIES 800	
ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5299 FAX: (305) 885-5902		EXTRUSION PROFILES		10 OF 12		SERIES 800	
SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)		HONG C.		FD800FPA - LMI		A	
Date		By		DWG		Sheet	
Title		Desc.		No.		Rev.	

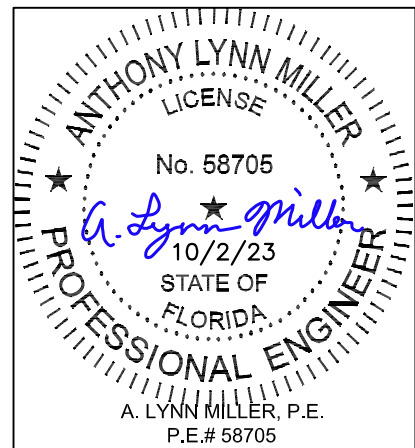




DOOR ONLY FRAME CORNERS



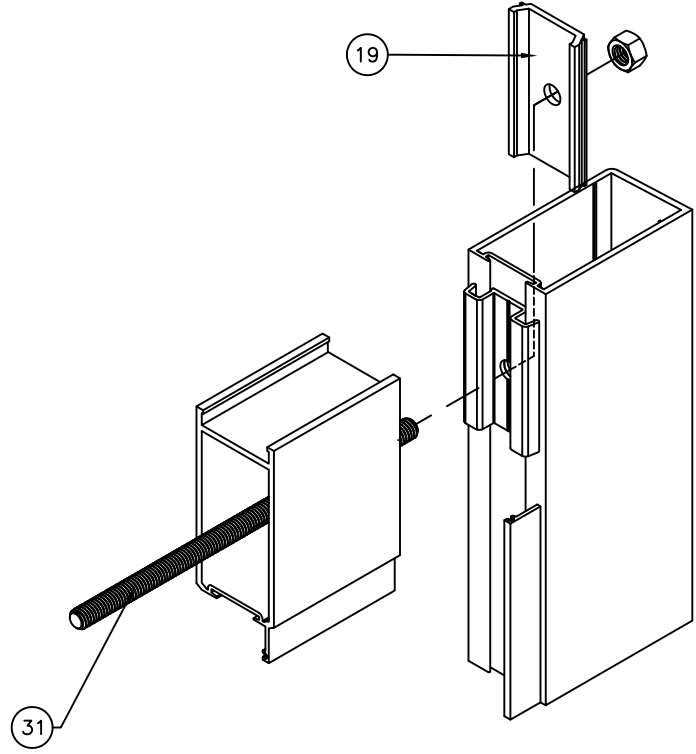
DOOR W. TRANSOM FRAME CORNERS



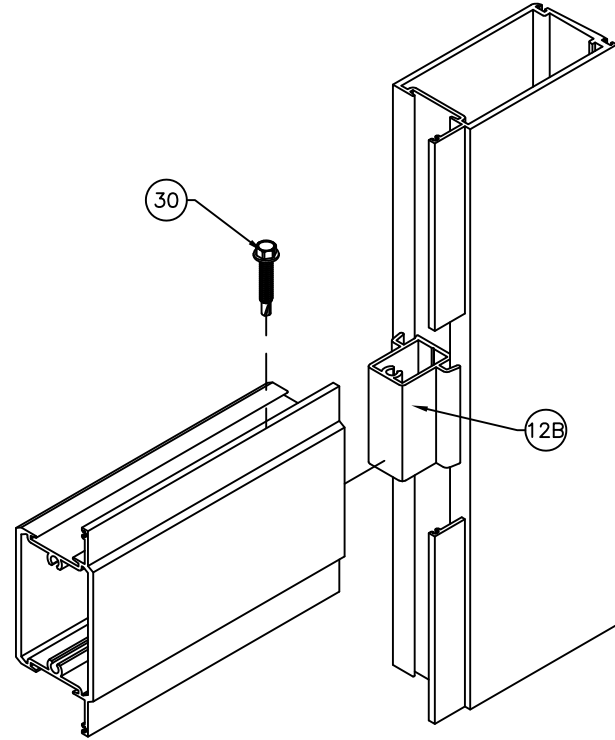
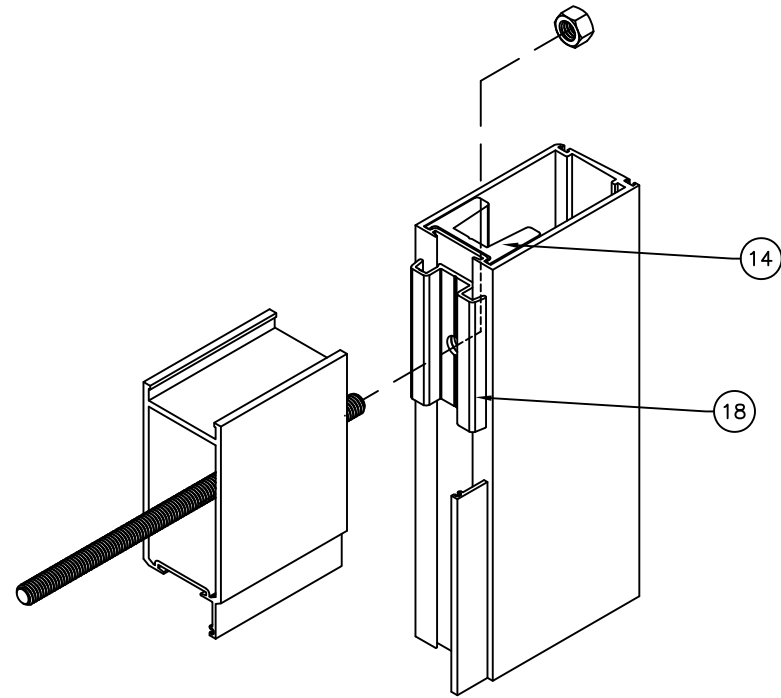
Series	Desc.	Title
SERIES 800	ASSEMBLY CORNER DETAILS	SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)
11 OF 12	Sheet	

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	8/24/2022	Rev.	A
ECO WINDOW SYSTEMS, LLC. 8602 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	HONG C.	By	DWG	FD800FPA - LMI

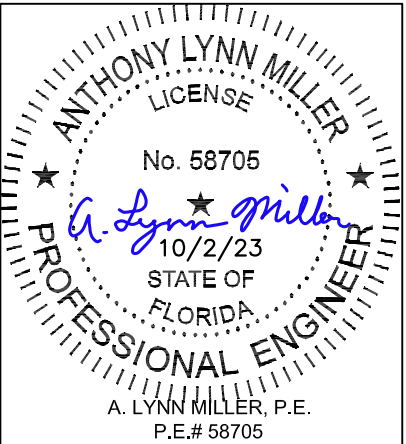
Revision:	PLACED ANCHORS IN TABLE FORMAT, ADDED DP TABLE ROUNING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL
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LEAF TOP/BOTTOM CORNERS



INTERMEDIATE HORIZONTAL CORNERS





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

SERIES 800	SHEET	12 OF 12	DWG	FD800FPA - LMI	Rev.	A
ASSEMBLY CORNER DETAILS CONT.			HONG C.		Date	
SERIES 800 COMMERCIAL ALUM. OUTSWING DOOR (L.M.I.)			8/24/2022		By	

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

REGISTRATION #29296

Revision:
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ANCHORS IN
TABLE FORMAT,
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TABLE
ROUNDING AND
ANCHOR HEAD
TYPE NOTES,
REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL