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SECRETARY[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

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 ReceivedFlorida 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. Urlich, 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 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 FD800FPA - 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 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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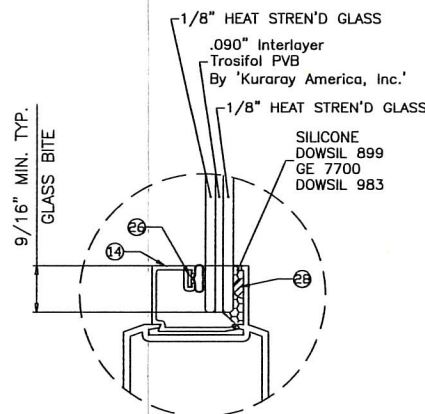
Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:

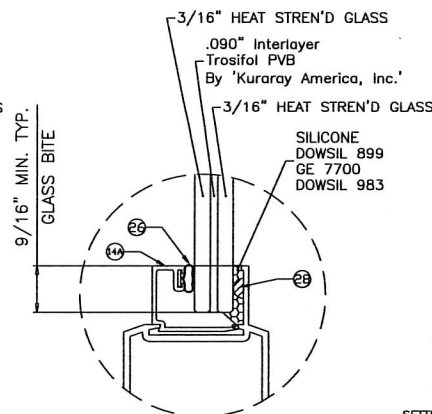




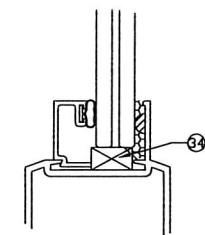
FLORIDA PRODUCT APPROVAL #39630



GLASS TYPE 'G1'
5/16" NOM. LAMI. GLASS



GLASS TYPE 'G2'
7/16" NOM. LAMI. GLASS



SETTING BLOCKS AT LAM. GLASS REQD. FOR WIDTHS EXCEEDING 36" ONLY. NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

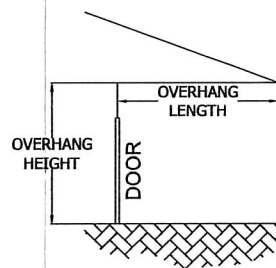
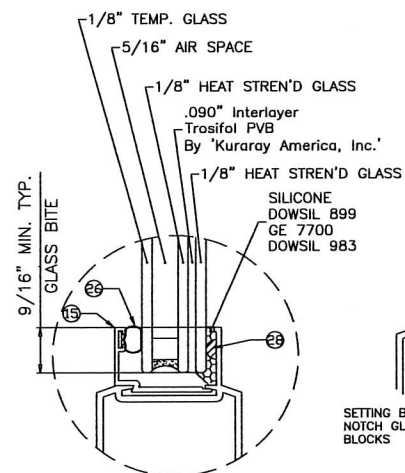
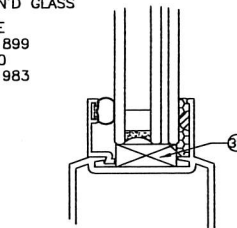


FIGURE A



GLASS TYPE 'G3'
3/4" NOM. INSUL. LAM. GLASS



SETTING BLOCKS AT INSUL. LAM. GLASS REQD. FOR WIDTHS EXCEEDING 36" ONLY. NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

SERIES 600

ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS SEE SHEET 2.
STAND ALONE SINGLE SIDELITE SEE SHEET 3.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 3.
LOWER VALUES FROM SIDELITE CAPACITY CHART OR DOOR CAPACITY WILL APPLY TO ENTIRE SYSTEM.

DOOR WITH STANDARD THRESHOLD APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. ADA THRESHOLD IS NOT APPROVED FOR WATER INFILTRATION RESISTANCE. DOORS WITH THE ADA THRESHOLD MAY BE INSTALLED IN LOCATIONS WHERE THE OVERHANG LENGTH IS GREATER THAN OR EQUAL TO THE OVERHANG HEIGHT (SEE FIGURE A).

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

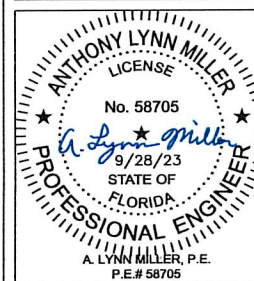
DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

GLAZING OPTIONS

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

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

Rev.	Date	By	DWG No.	Sheet	Series	Desc.	Title
A	4/10/2022	HONG C.	FD600FPA - LMI	1 OF 12	SERIES 600	GENERAL INFORMATION & GLASS	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800 REGISTRATION #29296 ECO WINDOW SYSTEMS, LLC 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL: (305) 885-5298 FAX: (305) 885-5902 series 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)							





DOORS LOAD CAPACITY - PSF				
SINGLE DOOR (X)				
DOOR DIMS.			LAMINATED GLASS	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)
39 - 3/ 4"	37"	98"	70.0	75.0

NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL

GLASS D.L.O. DIMS.

D.L.O. HEIGHT = FRAME HEIGHT - 11.125"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.813"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.125")/2



DOORS LOAD CAPACITY - PSF DOUBLE DOOR (XX)				
DOOR DIMS.			LAMINATED GLASS	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	POS. (+)	NEG. (-)
76"	37"	98"	70.0	75.0

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



STAND ALONE SINGLE SIDELITE
SEE SHEET 3 FOR CAPACITY

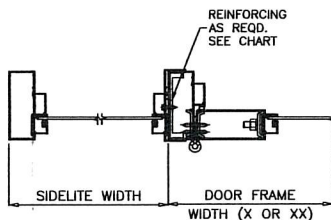
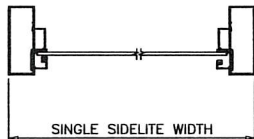
		ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5289 FAX. (305) 885-5902		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REVISION: ADDED ADA THRESHOLD, REVISED TABLE FORWARD, ADDED DP TABLE ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL	
windowsystems		REGISTRATION #29285		4/10/2022		Date	
SERIES 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)		DRAWING		HONG C.		Rev.	
X, XX, & O ELEVATIONS & DP CHART		DWG No.		2 OF 12		A	
SERIES 600		Sheet		FD600FFA - LMI			

Design Load Capacity - PSF
Stand Alone Single Sidelites

Without Reinforcement	Sidelite Frame Height (in.)							
	82"	86"	92"	98"				
24"	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+63.3	-63.3
30"	+70.0	-75.0	+70.0	-75.0	+69.8	-69.8	+57.8	-57.8
36"	+70.0	-75.0	+70.0	-75.0	+64.1	-64.1	+53.1	-53.1
37"	+70.0	-75.0	+70.0	-75.0	+63.3	-63.3	+52.4	-52.4
42"	+61.7	-66.1	+61.7	-66.1				

Design Load Capacity - PSF
Sidelites with Single or Double Leaf Doors
(SEE NOTE BELOW)

Sidelite Frame Width (in.)	Reinf.	Sidelite Frame Height (in.)							
		82"	86"	92"	98"				
24"	w/o Reinf.	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+63.3	-63.3
	w/ Reinf.	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
30"	w/o Reinf.	+70.0	-75.0	+70.0	-75.0	+69.8	-69.8	+57.8	-57.8
	w/ Reinf.	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
36"	w/o Reinf.	+70.0	-75.0	+70.0	-75.0	+64.1	-64.1	+53.1	-53.1
	w/ Reinf.	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
37"	w/o Reinf.	+70.0	-75.0	+70.0	-75.0	+63.3	-63.3	+52.4	-52.4
	w/ Reinf.	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0	+70.0	-75.0
42"	w/o Reinf.	+61.7	-66.1	+61.7	-66.1				
	w/ Reinf.	+61.7	-66.1	+61.7	-66.1				



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

FOR SINGLE OR DOUBLE DOORS CAPACITY SEE SHEET 2.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR DOOR/SIDELITE
MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

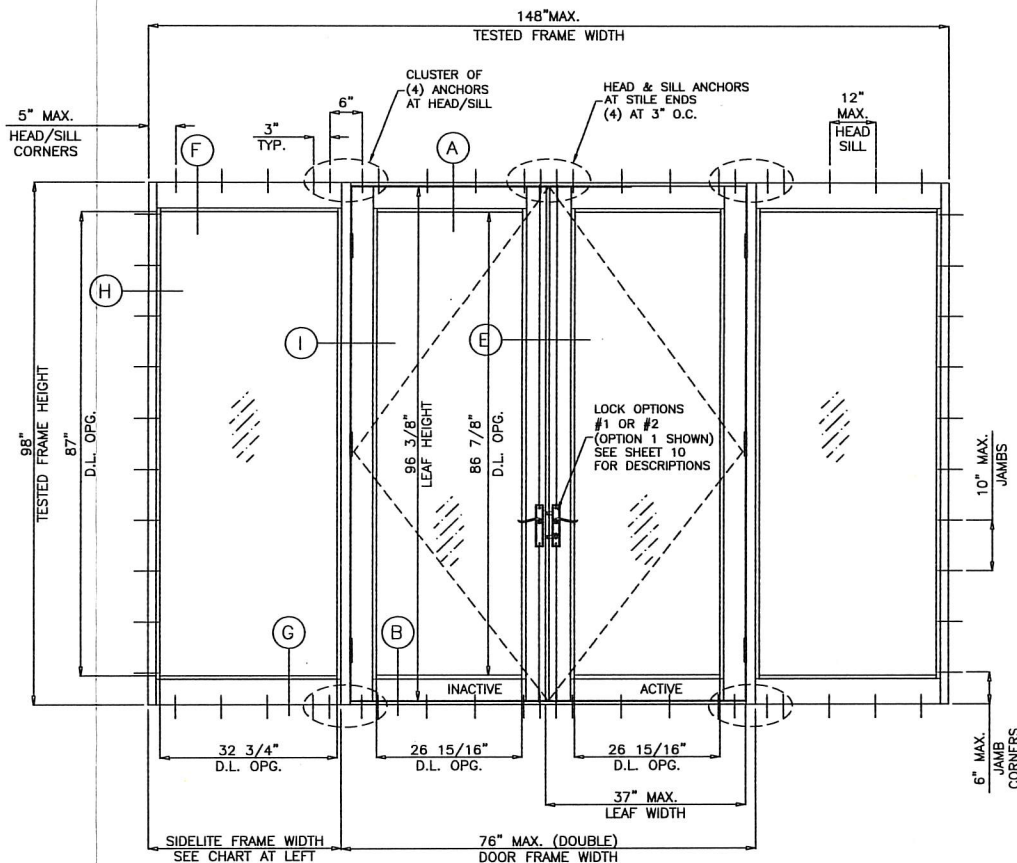
FOR STAND ALONE SINGLE SIDELITE CAPACITY SEE CHART ABOVE.

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

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.000"

D.L.O. WIDTH (SIDELITE) = FRAME WIDTH - 4.438"



(OXXO)

FOR OXO AND OX/XO CONFIGURATIONS, SEE SHEET 4 & 5 RESPECTIVELY.

MAX. UNIT TESTED FRAME AREA NOT TO EXCEED 100.72 SQ. FT. PER FBC

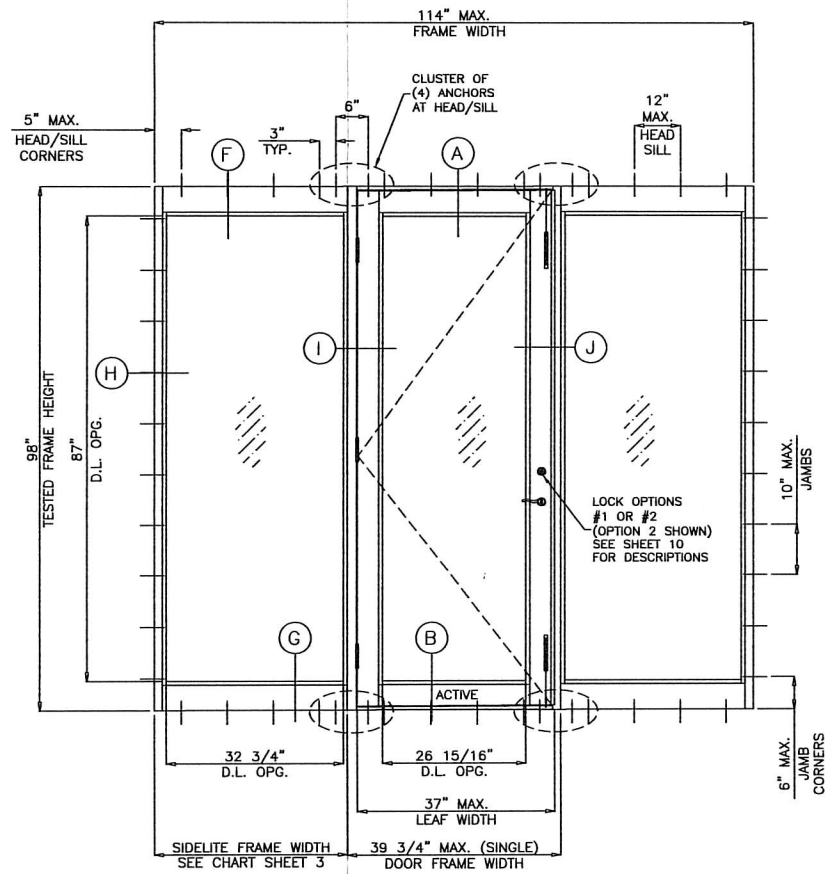
Revision:
ADDED ADA THRESHOLD, REVISED TABLE FORMAT.
ADDED DP TABLE
ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1000

ECO window systems
ECO WINDOW SYSTEMS, LLC
8502 N.W. 80th ST., MEDLEY, FL 33166
TEL (305) 885-5299 FAX (305) 885-5802

REGISTRATION #25296
4/10/2022
HONG C.
OXO ELEVATION AND DP CHARTS
SERIES 600
3 OF 12
FD600FPA - LMI
A
Rev.
Drawn
Date
Title
Series
Desc.
Sheet
No.

ANTHONY LYNN MILLER
LICENSE
No. 58705
9/28/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



(OXO)
HINGED LEFT SHOWN
HINGED RIGHT SIMILAR

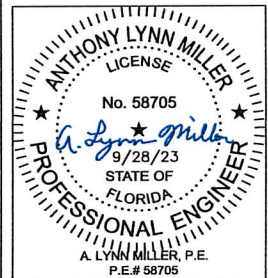
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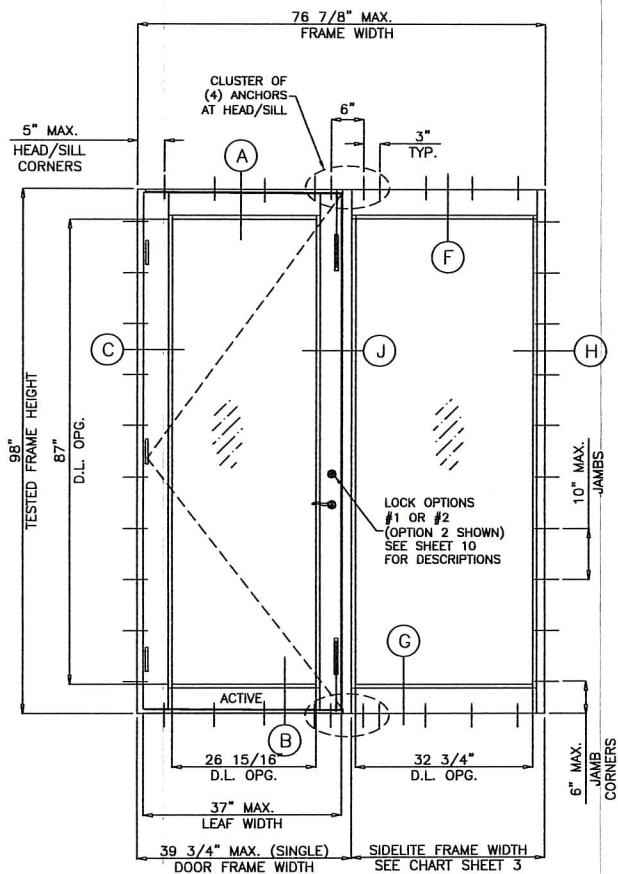
FOR SINGLE OR DOUBLE DOORS CAPACITY SEE SHEET 2.
FOR SIDELITE MULLION CAPACITY SEE CHART ON SHEET 3.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR DOOR/SIDELITE
MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

FOR STAND ALONE SINGLE SIDELITE CAPACITY SEE CHART SHEET 3.

Revision:	Rev.	Date
ADDED ADA THRESHOLD, REVISED TABLE FORMAT, ADDED DP TABLE	A	4/10/2022
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 (841) 480-1600		REGISTRATION #29296	
ECO WINDOW SYSTEMS, L.L.C. 5502 N.W. 80th ST. MEDLEY, FL 33186 TEL. (305) 885-5288 FAX. (305) 885-5902		SERIES 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)	
By	Date	Drawn	Rev.
HONG C.	4/10/2022		A
Sheet	No.	DWG	Rev.
4 OF 12		FD600FPA - LMI	
SERIES 600			



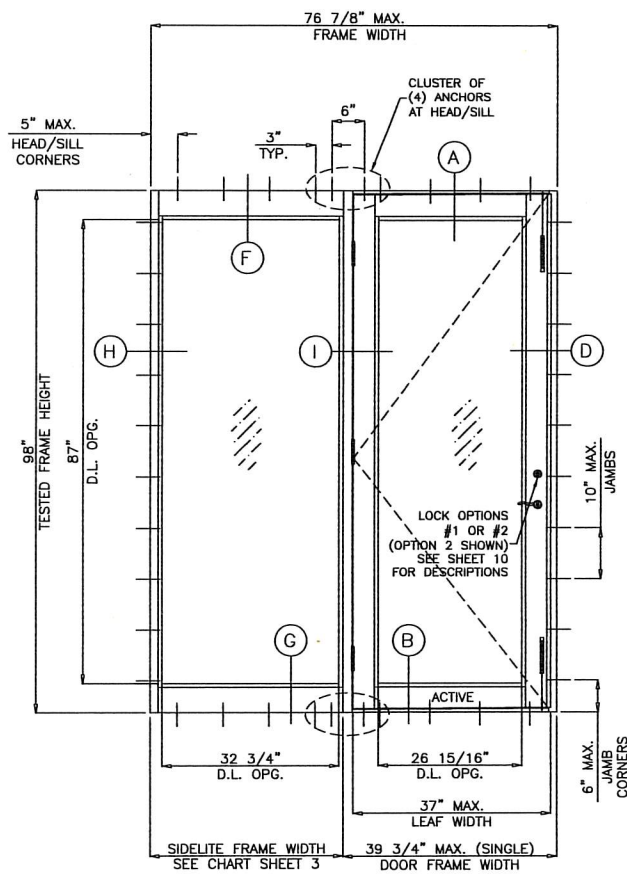


(XO W/ LOCK STILE TO MULL)
OX SIMILAR

NOTE:

FOR SINGLE OR DOUBLE DOORS CAPACITY SEE SHEET 2.
FOR SIDELITE MULLION CAPACITY SEE CHART ON SHEET 3.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR DOOR/SIDELITE
MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

FOR STAND ALONE SINGLE SIDELITE CAPACITY SEE CHART SHEET 3.



(OX W/ HINGE STILE TO MULL)
XO SIMILAR

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

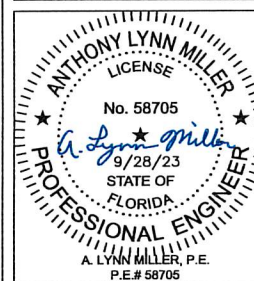
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1000

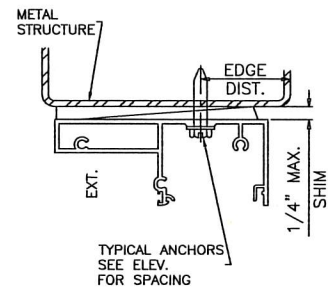
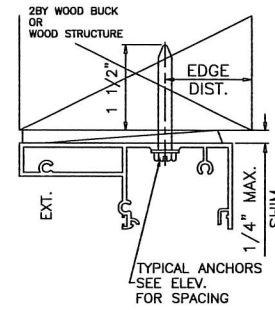
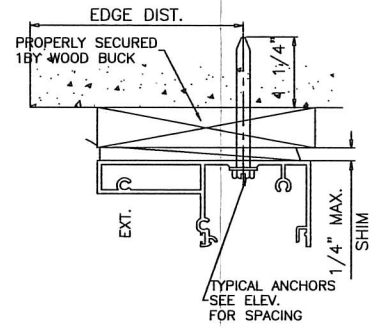
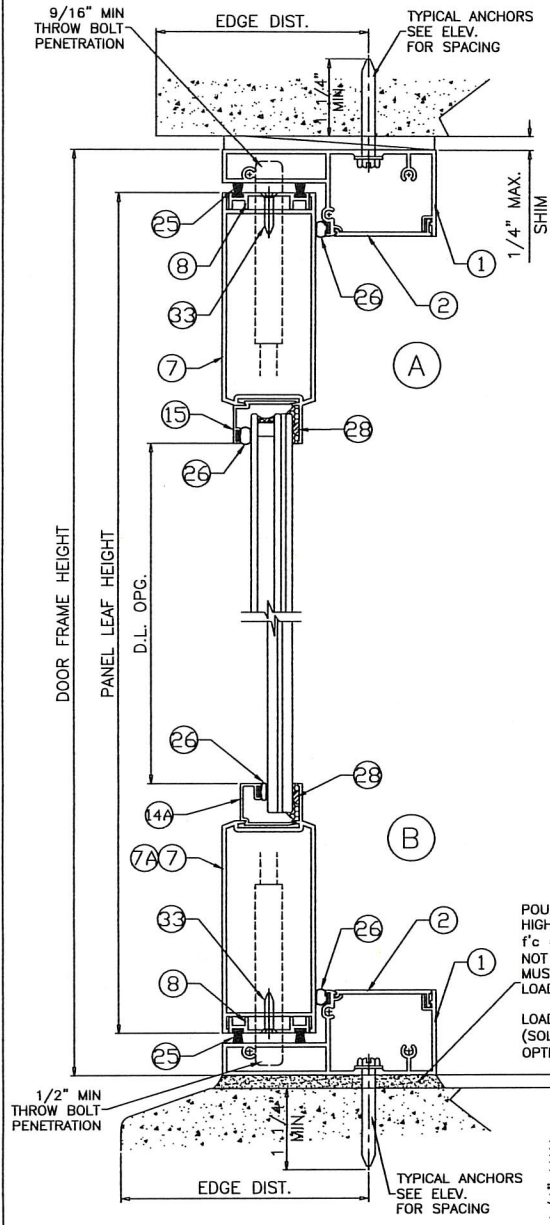
REGISTRATION #29296



ECO WINDOW SYSTEMS, LLC
8502 N.W. 80th STREET, SUITE 100
TEL: (305) 885-5288 FAX: (305) 885-5902

Rev.	Date	By	Desc.	Sheet	Series
A	4/10/2022	HONG C.	FD600FPA - LMI	5 OF 12	SERIES 600
			XO/OX ELEVATIONS		



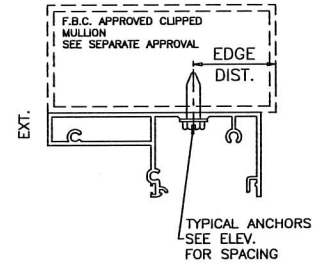
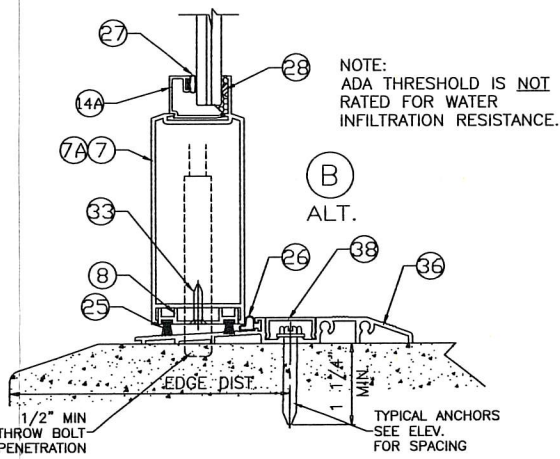


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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"
#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

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



Revision:
 ADDED ADA THRESHOLD, REVISED TABLE FORMAT, ADDED DP TABLE, ROUNDED 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

4/10/2022

HONG C.

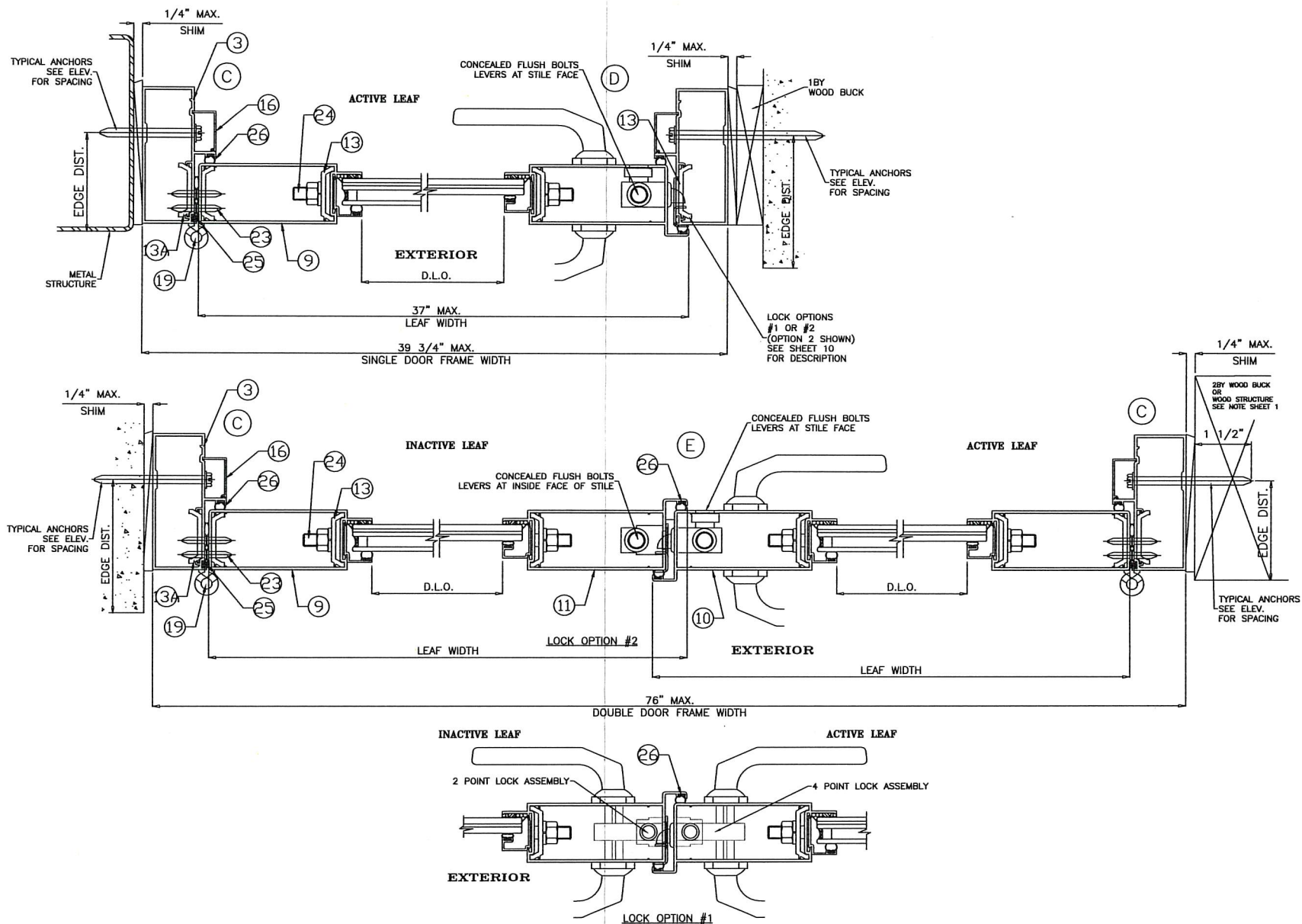
FD600FPA - LMI

6 OF 12

SERIES 600

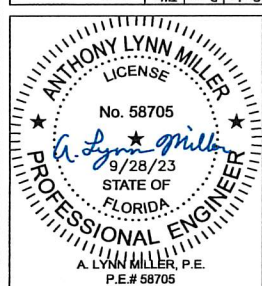
DOOR VERTICAL SECTION DETAILS & ANCHORS

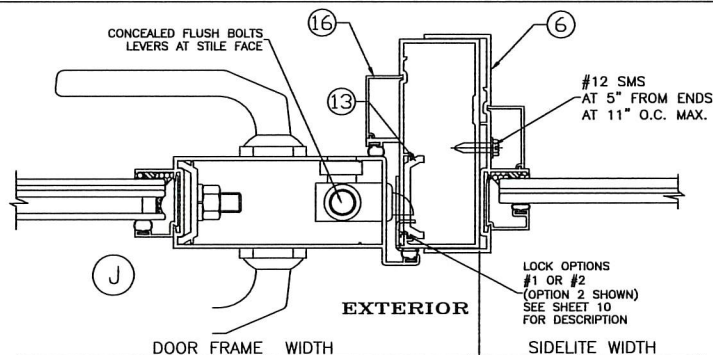
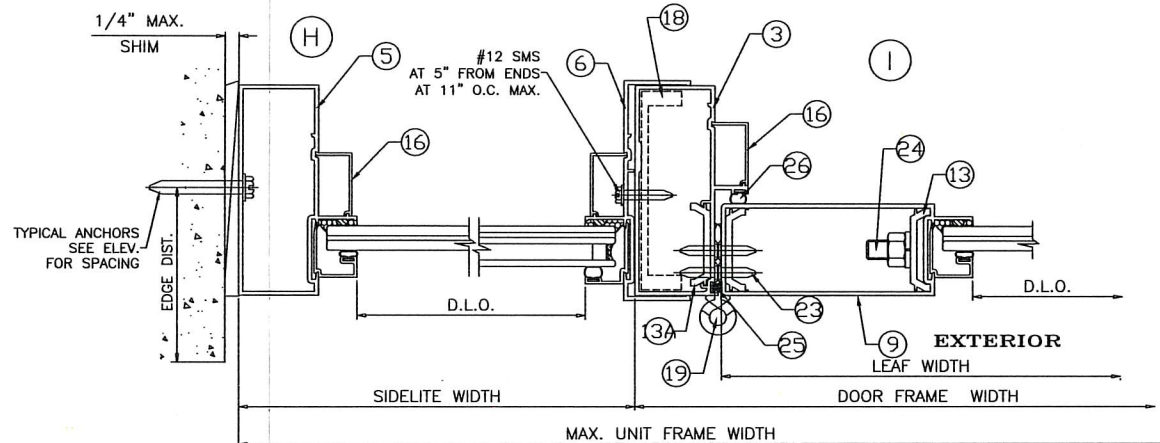
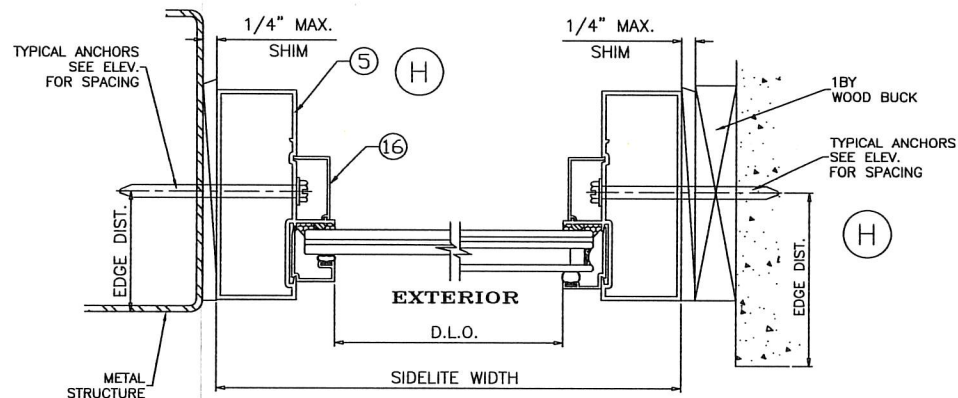
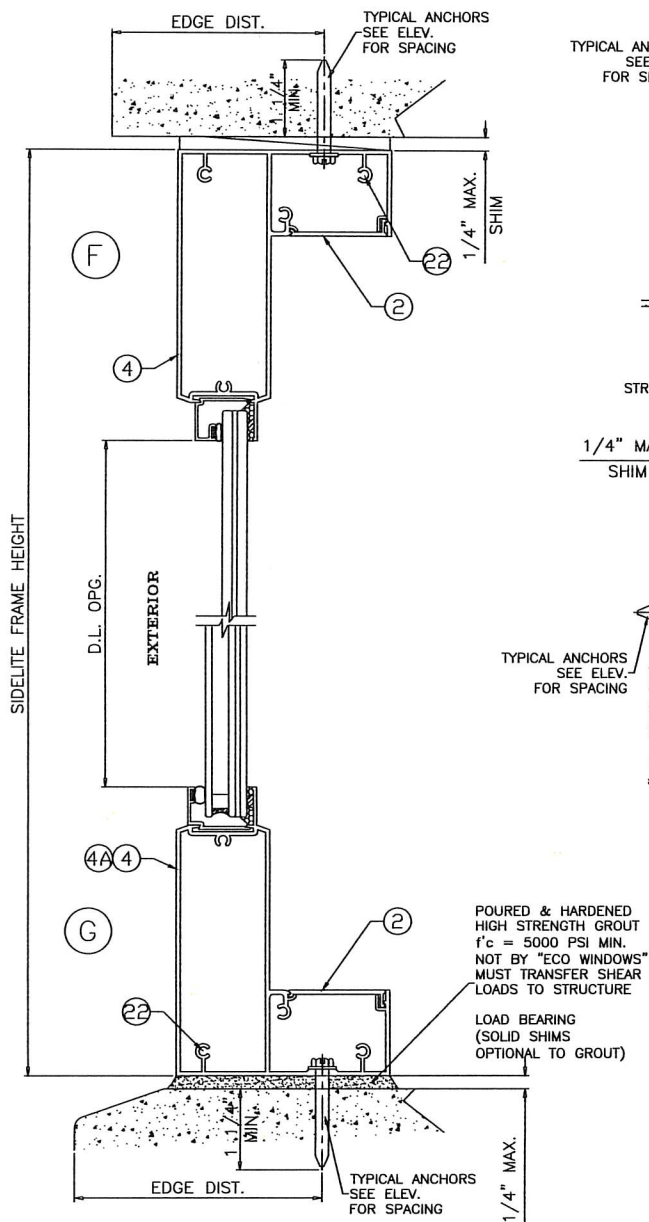
ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 9/28/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705



Revision:
ADDED ADA
THRESHOLD,
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 (841) 480-1600		REGISTRATION #29296		4/10/2022		A	
ECO WINDOW SYSTEMS, LLC 8802 NW 6005 ST. MEDLEY, FL 33165 TEL: (305) 885-5299 FAX: (305) 885-5302		SERIES 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)		HONG C.		FD600FPA - LMI	
window systems		DOOR HORIZONTAL SECTION DETAILS		7 OF 12		Sheet	
ECO WINDOW SYSTEMS, LLC 8802 NW 6005 ST. MEDLEY, FL 33165 TEL: (305) 885-5299 FAX: (305) 885-5302		SERIES 600		7 OF 12		Dwg No.	





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

PREPARED BY A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (841) 480-1800
 REGISTRATION #28286

ECO WINDOW SYSTEMS, LLC
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 TEL (841) 480-1800 FAX (841) 480-1800

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 9/28/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.#58705

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E601	-	DOOR FRAME HEAD/SILL	6063 - T6	-
2	E602	-	FRAME COVER	6063 - T6	-
3	E603	-	DOOR FRAME JAMB	6063 - T6	-
4	E604	-	SIDELITE TOP & BOTTOM FRAME	6063 - T6	-
4A	E626	-	SIDELITE 9" BOTTOM FRAME	6063 - T6	-
5	E605	-	SIDELITE FRAME JAMB	6063 - T6	-
6	E606	-	SIDELITE SLIP ON JAMB	6063 - T6	-
7	E607	-	LEAF TOP & BOTTOM RAIL	6063 - T6	-
7A	E625	-	LEAF 9" BOTTOM RAIL	6063 - T6	-
8	E608	-	LEAF W'STRIP ADAPTER	6063 - T6	-
9	E609	-	LEAF HINGE STILE	6063 - T6	-
10	E610	-	LEAF LOCK STILE	6063 - T6	-
11	E611	-	LEAF ASTRAGAL STILE	6063 - T6	-
12	E612	-	LEAF ALIGNMENT BRACKET	6063 - T6	-
13	E613	-	LEAF CLAMP	6063 - T6	4-1/4" LONG
13A	E613	-	HINGE BACK-UP PLATE	6063 - T6	12" LONG
14	E614	-	GLAZING BEAD (5/16" LAM. GLASS)	6063 - T6	-
14A	E109	-	GLAZING BEAD (7/16" LAM. GLASS)	6063 - T6	-
15	E615	-	GLAZING BEAD (INSUL. GLASS)	6063 - T6	-
16	E616	-	SNAP COVER	6063 - T6	-
17	E613	-	BOLT SUPPORT	6063 - T6	NOT SHOWN
18	-	AS REQD.	SIDELITE MULLION REINFORCING	6063 - T6	-
19	FD-107	3/ LEAF	BUTT HINGE	ALUMINUM	SULLIVAN & ASSOC.
20	FB1202	-	FLUSH BOLT LEVER	-	SULLIVAN & ASSOC.
21	FBR914SS	-	CONCEALED FLUSH BOLT ROD	ST. STEEL	SULLIVAN & ASSOC.
22	#10 X 1-1/2"	AS REQD.	FRAME ASSEMBLY SCREWS	-	-
23	#10 X 3/4"	-	HINGE INSTALLATION FASTENERS	-	FH SMS
24	-	-	3/8" DIA. THREADED ROD	STEEL	-
25	W11323	-	PILE W'STRIPPING	WOOL	ULTRAFAB
26	E20618-KN-3020	-	BULB W'STRIPPING	SANTOPRENE	EPDM
27	E206	-	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB
28	-	-	GLASS SPACER	SILICONE	FRANK LOWE RUBBER CO.
29	E622	-	FLUSH BOLT CUP	NYLON	-
30	DLO1RC	-	BLACK BOLT SUPPORT BLOCK	POLYETHYLENE	INTERLOCK
31	DLO1WB	-	WHITE BOLT SUPPORT BLOCK	POLYETHYLENE	ACME PLASTIC
33	#10 X 3/4"	2/ ADAPTER	FH SELF DRILLING SCREWS	-	FH SMS
34	-	2/ LITE	SETTING BLOCK, 1/4" X 1/2" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
35	-	2/ LITE	SETTING BLOCK, 1/4" X 3/4" X 4"LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
36	E804	-	ADA THRESHOLD	6063-T6	-
38	E816	-	ADA THRESHOLD COVER	6063-T6	-

SEALANT:

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

Revision:
ADDED ADA THRESHOLD, 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
(841) 460-1600

REGISTRATION #29296

Date 4/10/2022

Drawn

HONG C.

Rev. A

FD600FPA - LMI

ECO window systems
ECO WINDOW SYSTEMS, LLC
2502 N. 86TH ST. #3168
TEL: (305) 885-5259 FAX: (305) 885-5902

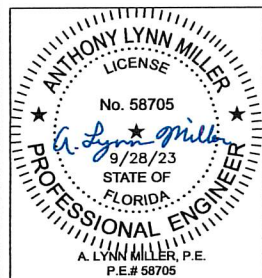
Series Desc.

Series 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)

Bill of Materials

Sheet 9 OF 12

Series 600



LOCKS:

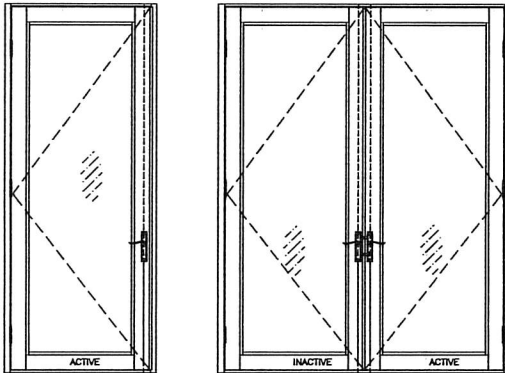
OPTION #1:

ACTIVE LEAF:

4 POINT LOCK ASSEMBLY DL01-6007 BY 'INTERLOCK USA INC.'
(2) LOCKING POINTS ENGAGING AT INACTIVE LEAD AT STRIKE
PLATE 1/2" DIA. THROW BOLT (1) AT TOP ENGAGING FRAME
HEAD AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:

2 POINT LOCK ASSEMBLY BY 'INTERLOCK USA INC.'
1/2" DIA. THROW BOLTS AT TOP AND BOTTOM ENGAGING
FRAME HEAD AND FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK LOCATED AT 42-1/2" FROM BOTTOM



HINGES:

3-1/2" X 7-5/8" X .122" THK. EXTRUDED ALUM. HINGE
PART #FD-107 BY SULLIVAN & ASSOC.
3 HINGES PER LEAF
BOTTOM HINGE AT 10-1/4" FROM BOTTOM
TOP HINGE AT 11-3/4" FROM TOP
CENTER HINGE AT MIDSPAN (38" O.C. MAX.)
HINGES FASTENED WITH #10 X 1" FH SMS
(5) SCREWS AT HINGE STILE
(6) SCREWS AT FRAME JAMB

OPTION #2:

ACTIVE LEAF:

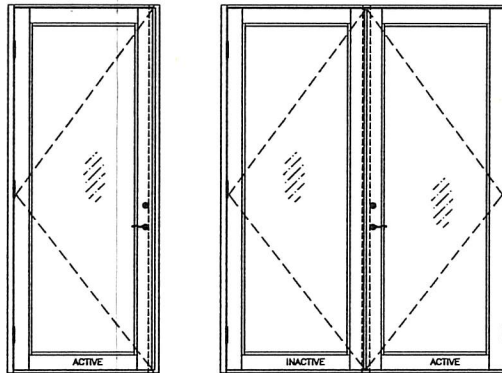
CONVENTIONAL DOOR LOCKSET WITH HANDLE
DELTA 690 BY 'KWIKSET' LOCATED AT 39-1/4" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
THROW BOLT LOCATED AT 44-3/4" FROM BOTTOM

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'

1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE LOCATED
AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

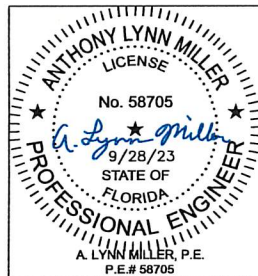
INACTIVE LEAF:

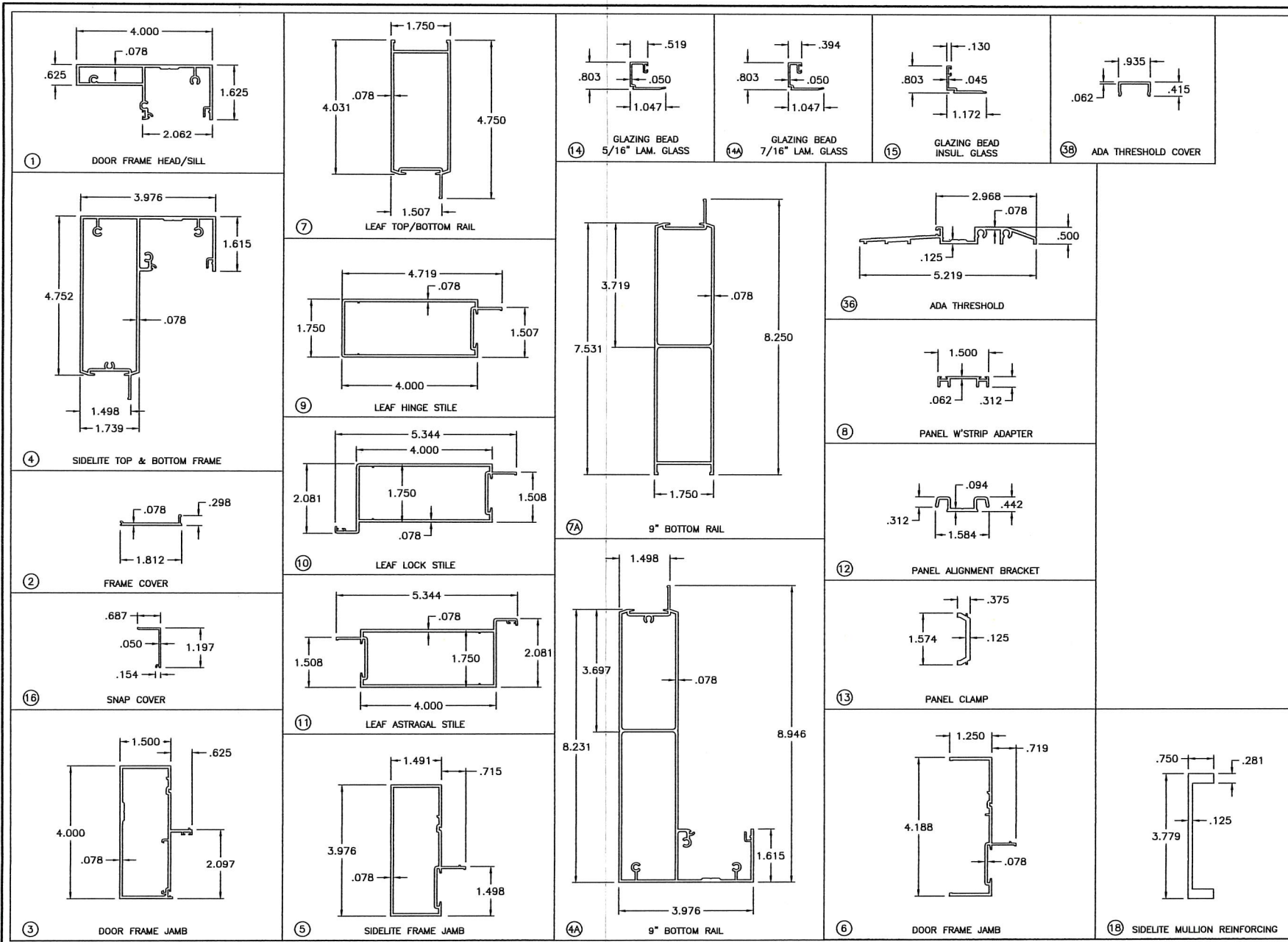
CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF
LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS



Revision:	ADDED ADA THRESHOLD, REVISED TABLE FORMAT, ADDED DP TABLE ROUNDING AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL
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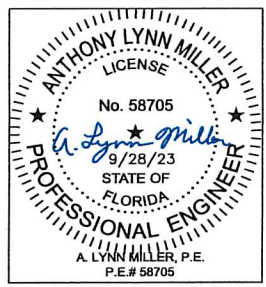
PREPARED BY A LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	4/10/2022
ECO WINDOW SYSTEMS, LLC 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 TEL: (941) 480-1600 FAX: (941) 480-1601	SERIES 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)	Drawn	HONG C.
ECO window systems ECO WINDOW SYSTEMS, LLC 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 TEL: (941) 480-1600 FAX: (941) 480-1601	LOCK & HINGE DESCRIPTIONS	Sheet	10 OF 12
SERIES 600	SERIES 600	DWG No.	FD600FPA - LMI
		Rev.	A

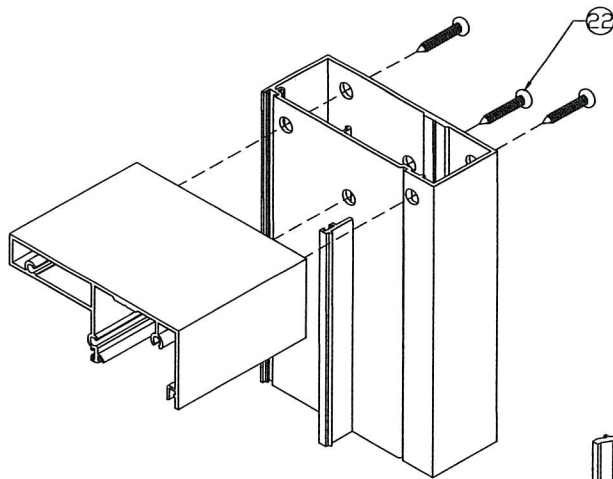




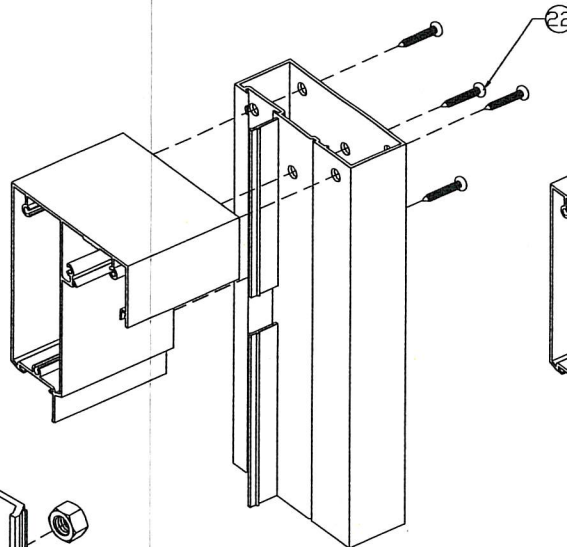
Revision:
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 ADDED DP TABLE
 ROUNDED AND ANCHOR HEAD TYPE NOTES, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date 4/10/2022	Drawn By HONG C.	DWG No. FD600FPA - LMI	Sheet 11 OF 12	Series SERIES 600

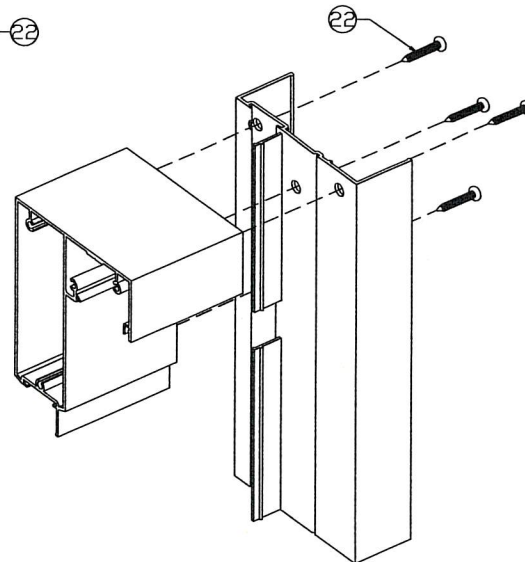




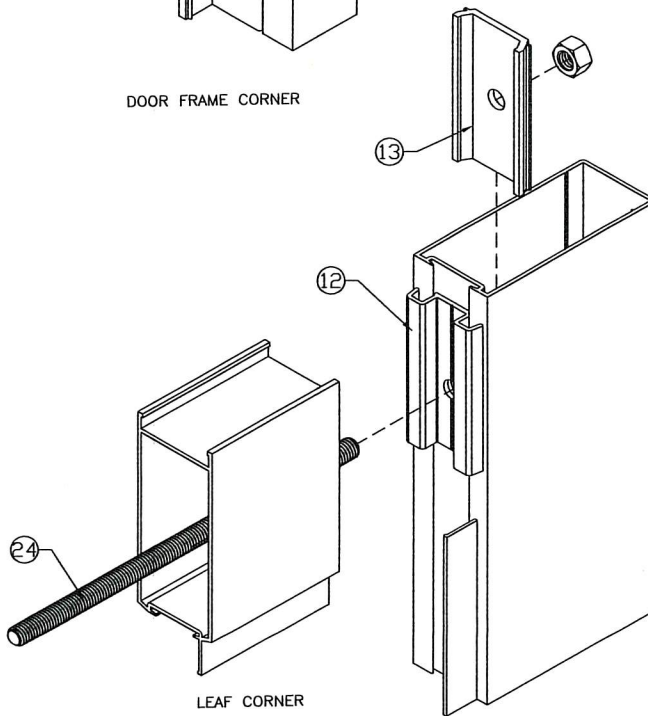
DOOR FRAME CORNER



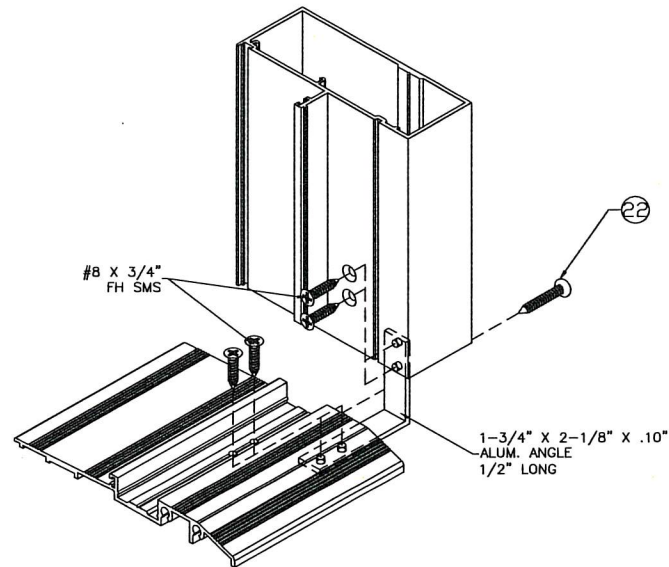
SIDELITE FRAME CORNER



SIDELITE MULLION SLIP ON JAMB CORNER



LEAF CORNER



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

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600

REGISTRATION #29296

Date 4/10/2022

Drawn by HONG C.

Rev. A
DWG No. FD600FPA - LMI



ECO WINDOW SYSTEMS, LLC
850 N.W. 11th St., Suite 33166
TEL: (305) 865-5269 FAX: (305) 865-5802

SERIES 600 ALUM. OUTSWING ENTRANCE DOOR (L.M.I.)

ASSEMBLY CORNER DETAILS

Sheet 12 OF 12
Series 600

