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USER: Public UserOFFICE OF THE
SECRETARY[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #

FL25674-R7

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

Sliding 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. Urlich, PE

Validation Checklist - Hardcopy Received

Certificate of Independence

[FL25674_R7_COI_Cert of Independence.pdf](#)

Referenced Standard and Year (of Standard)

Standard

TAS 201

Year

1994

TAS 202

1994

TAS 203

1994

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/06/2023

Date Validated

10/13/2023

Date Pending FBC Approval

10/21/2023

Date Approved

12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
25674.1	Series 700 Aluminum Sliding Glass Door	Small Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD700FPA - SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD700SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
25674.2	Series 700 Aluminum Sliding Glass Door	Large Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD700FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD700LMI ENG EVAL REV A.pdf Created by Independent Third Party: No
25674.3	Series 750 Aluminum Sliding Glass Door	Small Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD750FPA-SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD750SMI ENG EVAL REV A.pdf Created by Independent Third Party: No
25674.4	Series 750 Aluminum Sliding Glass Door	Large Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD750FPA-LMI REV A.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD750LMI ENG EVAL REV A.pdf Created by Independent Third Party: No

25674.5	Series 755 Aluminum Sliding Glass Door	Small Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD755FPA - SMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD755SMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
25674.6	Series 755 Aluminum Sliding Glass Door	Large Missile Impact resistant aluminum sliding glass 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 FL25674_R7_II_SGD755FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_SGD755LMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No
25674.7	Series 760 Aluminum Sliding Glass Door	Large Missile Impact resistant, aluminum sliding glass 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 FL25674_R7_II_SGD760-FPA - REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_SGD760 - Eng Eval - REV A2.pdf Created by Independent Third Party: No
25674.8	Series 900 Aluminum Bifold Door	Large Missile Impact resistant, aluminum bifold 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 FL25674_R7_II_BF900FPA - LMI REV A.pdf Verified By: A. Lynn Miller, P.E. PE-58705 Created by Independent Third Party: No Evaluation Reports FL25674_R7_AE_ECO_BF900LMI_ENG_EVAL_REV_A.pdf Created by Independent Third Party: No

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Product Approval Accepts:



Credit Card
Safe

securityMETRICS

Urich Engineering, LLC

6154 Newgate Circle
Mechanicsburg, PA 17050
717-317-8454
steve@urichengrllc.com

October 4, 2017

To Whom it May Concern:

Urich Engineering, LLC is owned and operated by Steven Urich, PE.

Urich Engineering, LLC and Steven Urich, PE do not have, nor intend to acquire, a financial interest in any company manufacturing or distributing a product listed in this product approval;

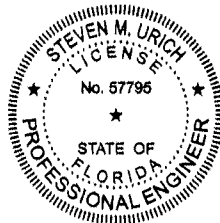
Urich Engineering, LLC and Steven Urich, PE are not affiliated with any company testing or labeling a product under this approval;

Urich Engineering, LLC and Steven Urich, PE do not have, nor intend to acquire, a financial interest in any company involved in the approval process of the products listed in this product approval.

Thank you.

St 2 21

Steven M. Urich, PE
President



This item has been electronically signed and sealed by Steven M. Urich, PE on 10/4/2017 using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Engineering Evaluation Report

Prepared by:

A. Lynn Miller, P.E.
1070 Technology Dr.
N. Venice, FL 34275
(941) 480-1600
Registration Number: #29296

Manufacturer:

Eco Window Systems
9114 NW 106 St.
Medley, FL 33178
(305) 885-5299

Product Description:

Series "755", Large Missile Impact Resistant, Aluminum Sliding Glass Doors w/ Reinforcements, FL# 25674

Compliance:

The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

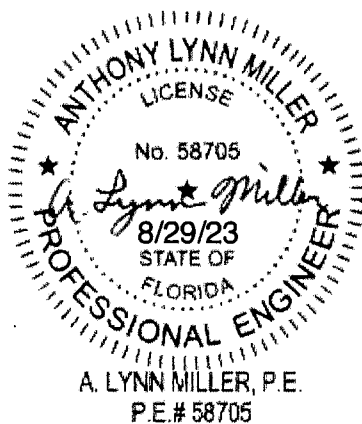
This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).

Supporting Technical Documentation:

1. Approval Document: drawing number "SGD755FPA - LMI", signed and sealed by A. Lynn Miller, P.E.
2. Test Reports No. FTL-10816 signed by Idalmis Ortega, P.E.; Fenestration Testing Lab, Inc. Test Standards: TAS 201-94, TAS 202-94, & TAS 203-94, dated 08/08/2019, HETI-20-8021 & HETI-20-8022 signed by Rafael E. Droz-Seda, P.E.; Hurricane Engineering & Testing Inc. Test Standards: TAS 201-94, TAS 202-94, & TAS 203-94, dated 03/25/2020 – 03/26/2020.
3. Anchor verification calculations and structural analysis, dated 11/05/2020.

Limitations and Conditions of use:

- Maximum Design Pressure: +65.0/-78.0 psf
- Maximum Tip-to-Tip Frame Size: 192" x 120"
- Maximum DLO: 47-3/4" x 111-15/16"
- Units must be glazed per ASTM E1300-09, refer to approval document for glazing details.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be extruded aluminum.
- Units must be installed in accordance with Approval Document.



FLORIDA PRODUCT APPROVAL #25674

Design Load Capacity - PSF (For 2 Track Configurations)																
Glass Types 'A' & 'A1'		Door Frame Height (in.)														
		82"			84"			90"			96"			102"		
Panel Width (in.)	30"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0
	36"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0
	42"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0
	48"	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0
	54"	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8	-57.8	+57.8
	60"	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0	-52.0	+52.0

Design Load Capacity - PSF (For 3 Track Configurations)																
Glass Types 'A' & 'A1'		Door Frame Height (in.)														
		90"			96"			102"			108"			114"		
Average Panel Width (in.)	42"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0
	48"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0
	53-11/16"	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0	-78.0	+65.0
	54"	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3	-77.2	+64.3
	56"	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0	-74.4	+62.0
	59"	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8	-70.6	+58.8
	60"	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4	+57.9	-69.4	+57.9
	63"	+55.1	-66.1	+55.1	-66.1	+55.1	-66.1	+55.1	-66.1	+55.1	-66.1	+55.1	-66.1	+55.1	-66.1	+55.1
	66"	+52.6	-63.1	+52.6	-63.1	+52.6	-63.1	+52.6	-63.1	+52.6	-63.1	+52.6	-63.1	+52.6	-63.1	+52.6

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

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

SERIES 755 ALUMINUM SLIDING GLASS DOOR

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

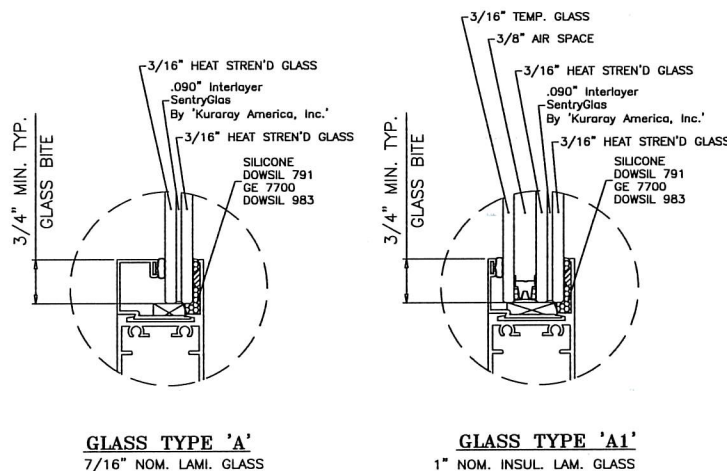
DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

$$\text{PANEL WIDTH} = \frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$$

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY EGRESS REQUIREMENTS PER FBC AS REQUIRED.

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

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT



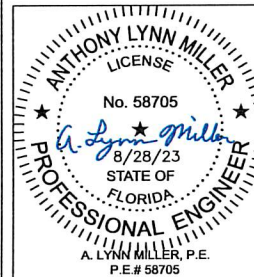
GLASS TYPE 'A'
7/16" NOM. LAM. GLASS

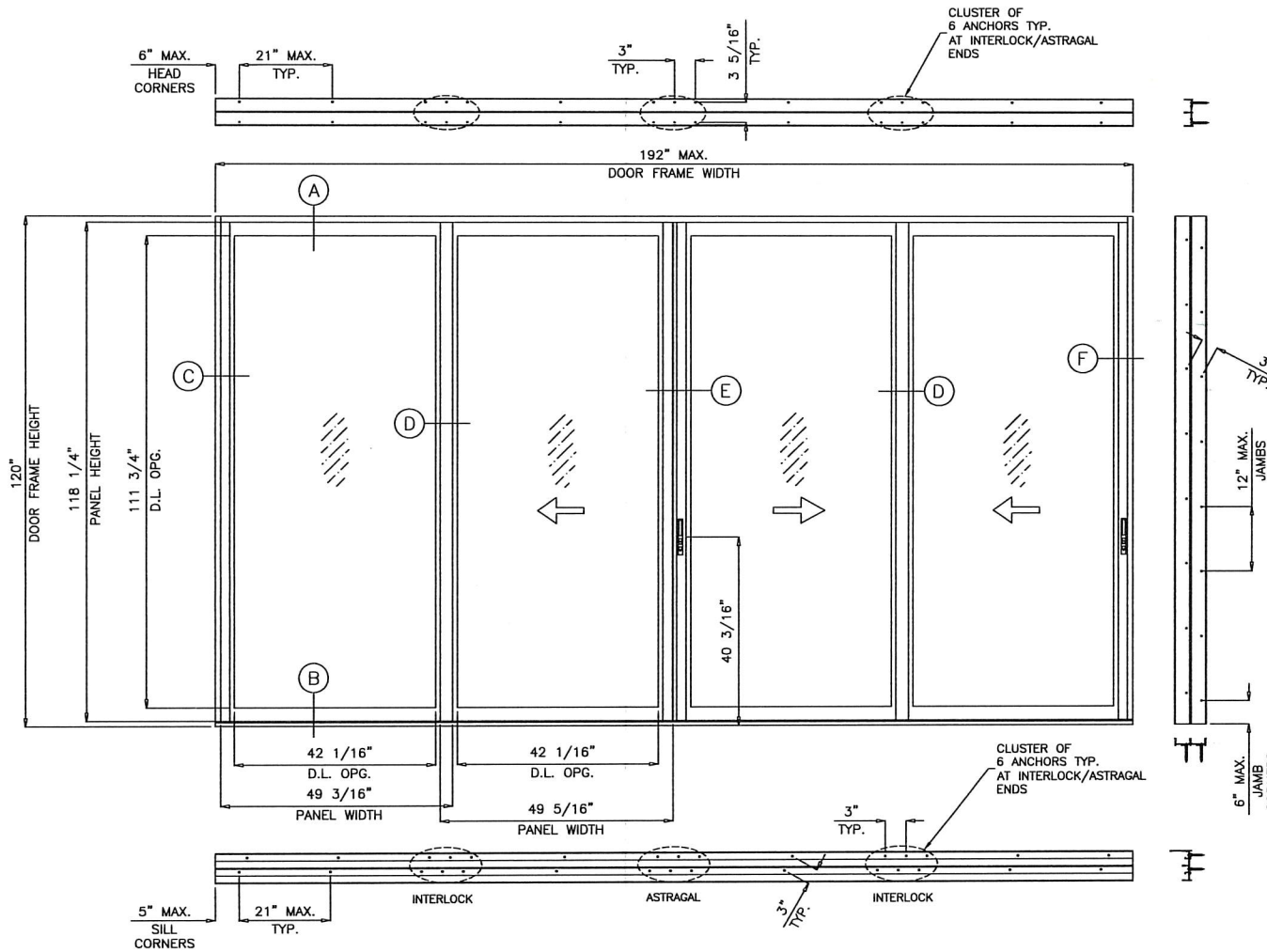
GLASS TYPE 'A1'
1" NOM. INSUL. LAM. GLASS

GLAZING OPTIONS

Revision:
COMBINED 755 & 755-3. REVISED TABLE FORMAT, ADDED DP TABLE ROUNDING, ANCHOR HEAD CONFIG. & TYPE NOTES, UPDATED PART #S, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800	REGISTRATION #29296	4/10/2022	Rev.	A
ECO WINDOW SYSTEMS, LLC 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)	HONG C.	DATE	
GENERAL INFORMATION & OX ELEVATION	SERIES 755	1 OF 14	Sheet	





DAYLIGHT OPENING WIDTHS:
 PANEL WIDTH - 7.125"

DAYLIGHT OPENING HEIGHT:
 PANEL HEIGHT - 6.50"

PANEL HEIGHT = DOOR FRAME HEIGHT - 1.5625"

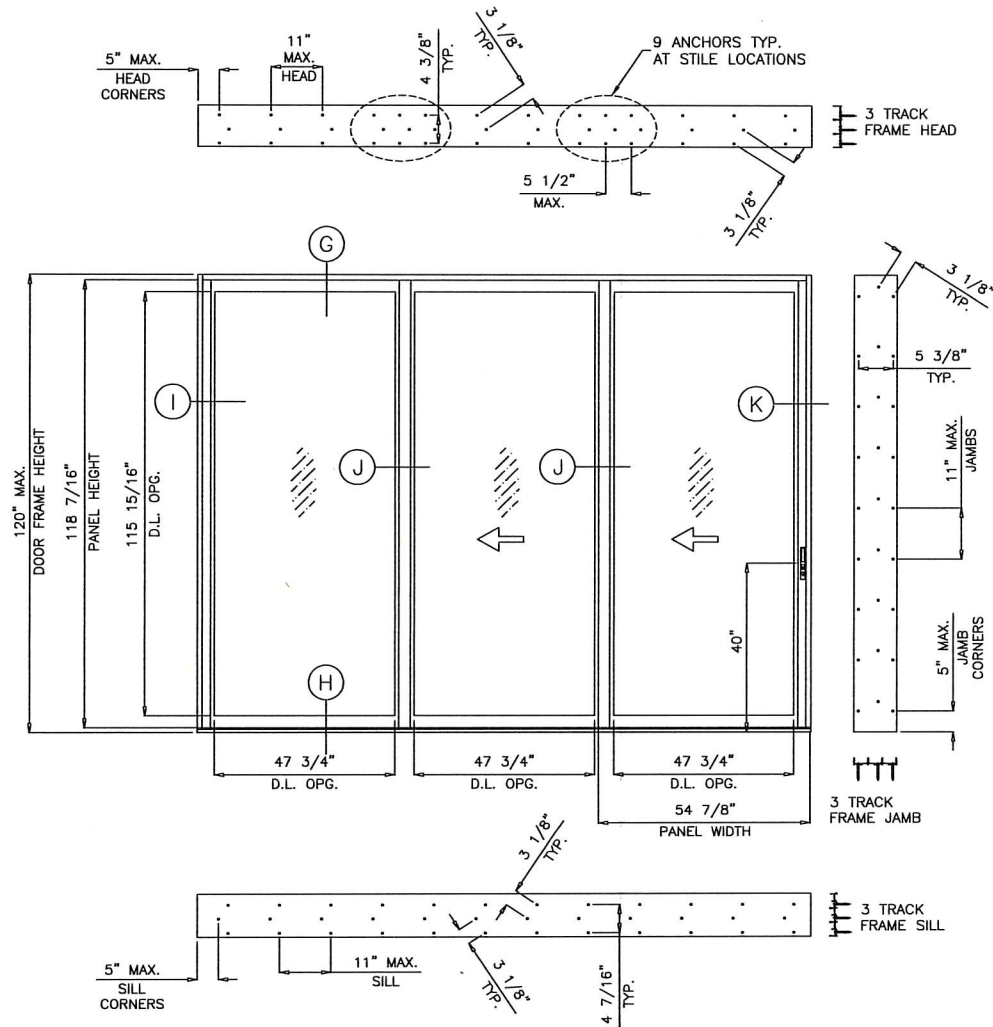
TYPICAL ELEVATION (2 TRACKS)
 OXXX

Revision:
 COMBINED 755 &
 755-3, REVISED
 TABLE FORMAT,
 ADDED DP
 TABLE
 ROUNDING,
 CONFIG. &
 ANCHOR HEAD
 TYPE NOTES,
 UPDATED PART
 #S, REMOVED
 SILICONE AND
 BACKSTOP ON
 INSTALL DETAIL

PREPARED BY A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941) 480-1800

ECO window systems
 ECO WINDOW SYSTEMS, LLC
 8502 N.W. 80th ST., MEDLEY, FL 33166
 TEL. (905) 885-5289 FAX. (905) 885-5902

REGISTRATION #29286
 4/10/2022
 HONG C.
 OXXX ELEVATION
 SERIES 755
 2 OF 14
 SHEET
 A. LYNN MILLER, P.E.
 No. 58705
 8/28/23
 STATE OF
 FLORIDA
 P.E.# 58705



DAYLIGHT OPENING WIDTHS:
PANEL WIDTH - 7.125"

DAYLIGHT OPENING HEIGHT:
PANEL HEIGHT - 6.50"

PANEL HEIGHT = DOOR FRAME HEIGHT - 1.5625"

TYPICAL ELEVATION (3 TRACKS)
OXX (TESTED UNIT)

STANDARD CONFIGURATIONS

OXX
XXO
XXX

NOTE: OTHER CONFIGURATIONS
USING THE PANEL STILE
CONDITIONS SHOWN ARE
ACCEPTABLE PROVIDED THE PANELS
DO NOT EXCEED MAXIMUM SIZE.

Revision:
COMBINED 755 &
755-3, REVISED
TABLE FORMAT.
ADDED DP
TABLE
ROUNDING,
CONFIG. &
ANCHOR HEAD
TYPE NOTES
UPDATED PART
#S, 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

By HONG C.

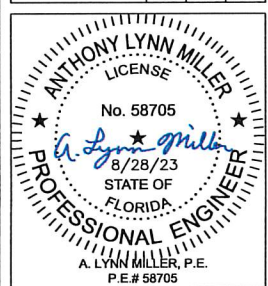
Rev. A

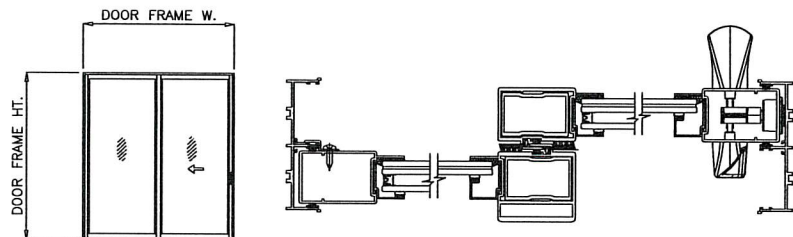
ECO window systems
ECO WINDOW SYSTEMS, LLC
8502 N.W. 80th ST., MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902

SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

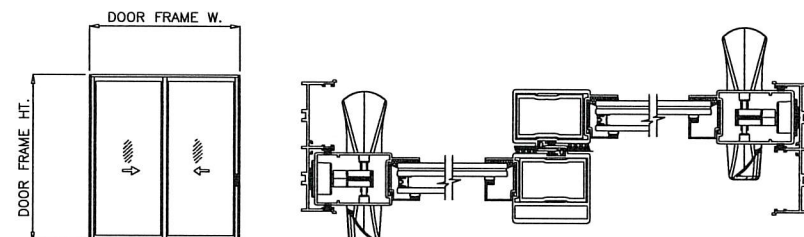
OXX ELEVATION

3 OF 14
Sheet
Series Desc. Title

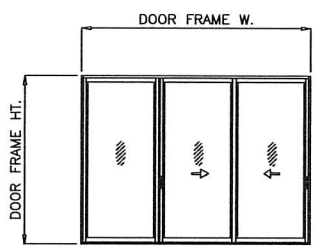




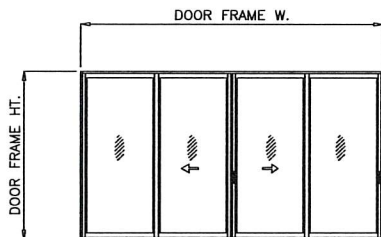
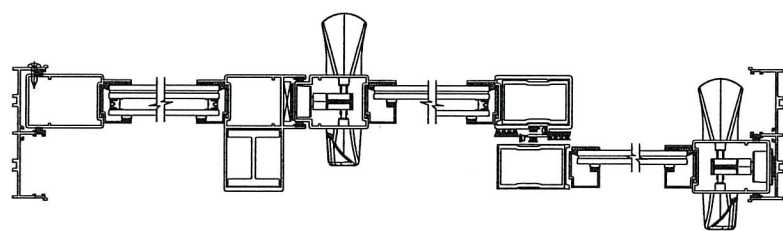
OX (SHOWN)
XO



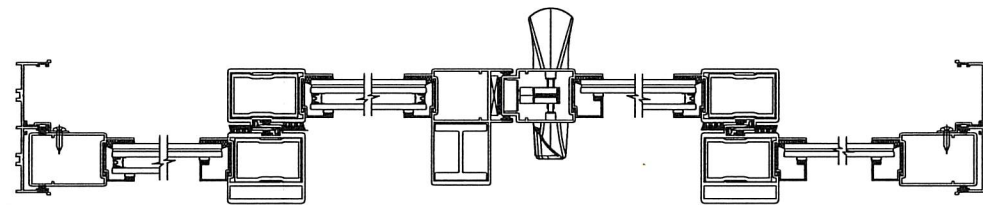
XX (SHOWN)



OXX (SHOWN)
XXO
OXO



OXXO (SHOWN)
OXXX
XXXO
XXXX



- NOTES:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
 3. FOR ANCHOR DETAILS SEE SHEET 5 THRU 10.
 4. STANDARD CONFIGURATIONS ARE DISPLAYED. OTHER CONFIGURATIONS USING THE PANEL STYLE CONDITIONS SHOWN ARE ACCEPTABLE PROVIDED THE PANELS DO NOT EXCEED MAXIMUM SIZE.

STANDARD CONFIGURATIONS (2 TRACKS)

Revision:
COMBINED 755 &
755S REVISED
TABLE FORMAT,
ADDED DP
TABLE
ROUNDING,
CONFIG. &
ANCHOR HEAD
TYPE NOTES
UPDATED PART
#S REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

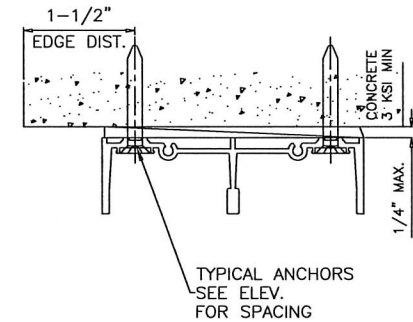
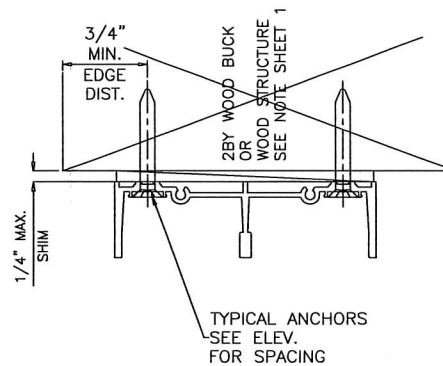
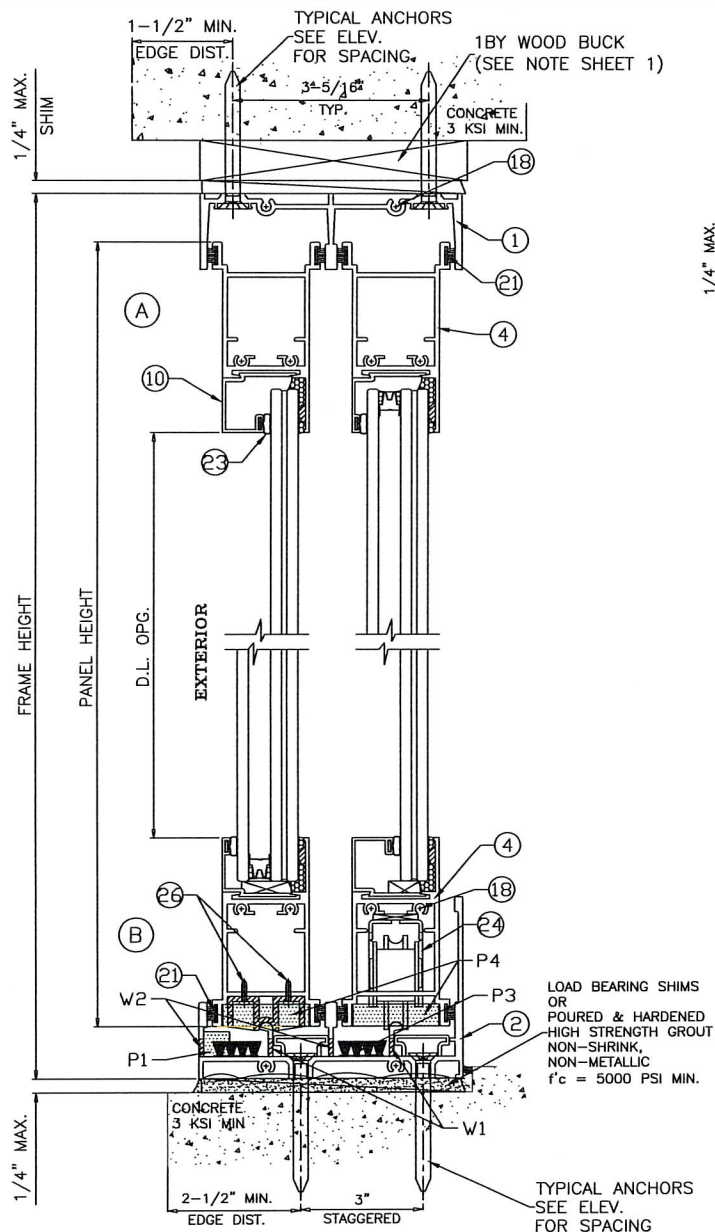
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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ECO window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5289 FAX (305) 885-5802

SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)
4/10/2022
HONG C.
SGD755FPA - LMI

APPROVED CONFIGURATIONS
SERIES 755
4 OF 14
Sheet

ANTHONY LYNN MILLER
LICENSE
No. 58705
8/28/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



WEEPHOLES:

W1 = 1-1/2" LONG NOTCH AT EACH END.

W2 = 3/16" X 7/8" LONG WEEP NOTCH AT 3" FROM ENDS AND 22-1/2" O.C.

PILE PADS:

P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION 1-1/16" LONG X 7/16" WIDE X 7/16" HIGH

P2 = SELF ADHESIVE PILE PAD 1" X 3/8" X 1/4" HIGH

P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN 2-1/2" X 1" X 3/8" HIGH

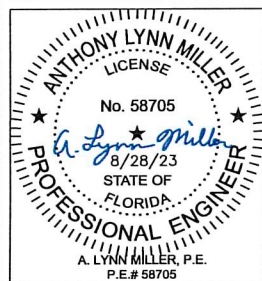
P4 = OPEN CELL FOAM AT INTERLOCK & ASTRAGAL 2" LONG X 1-7/16" WIDE X 7/16" HIGH

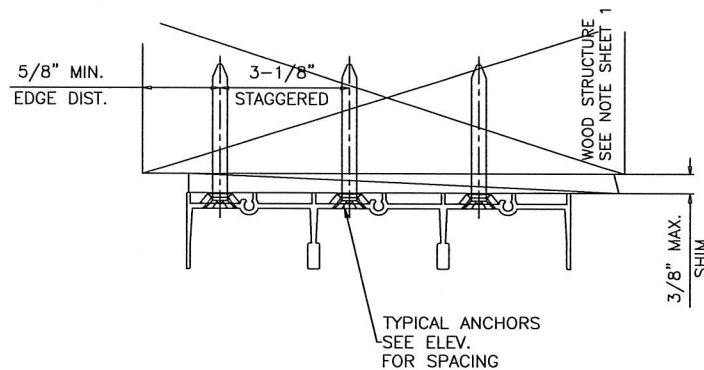
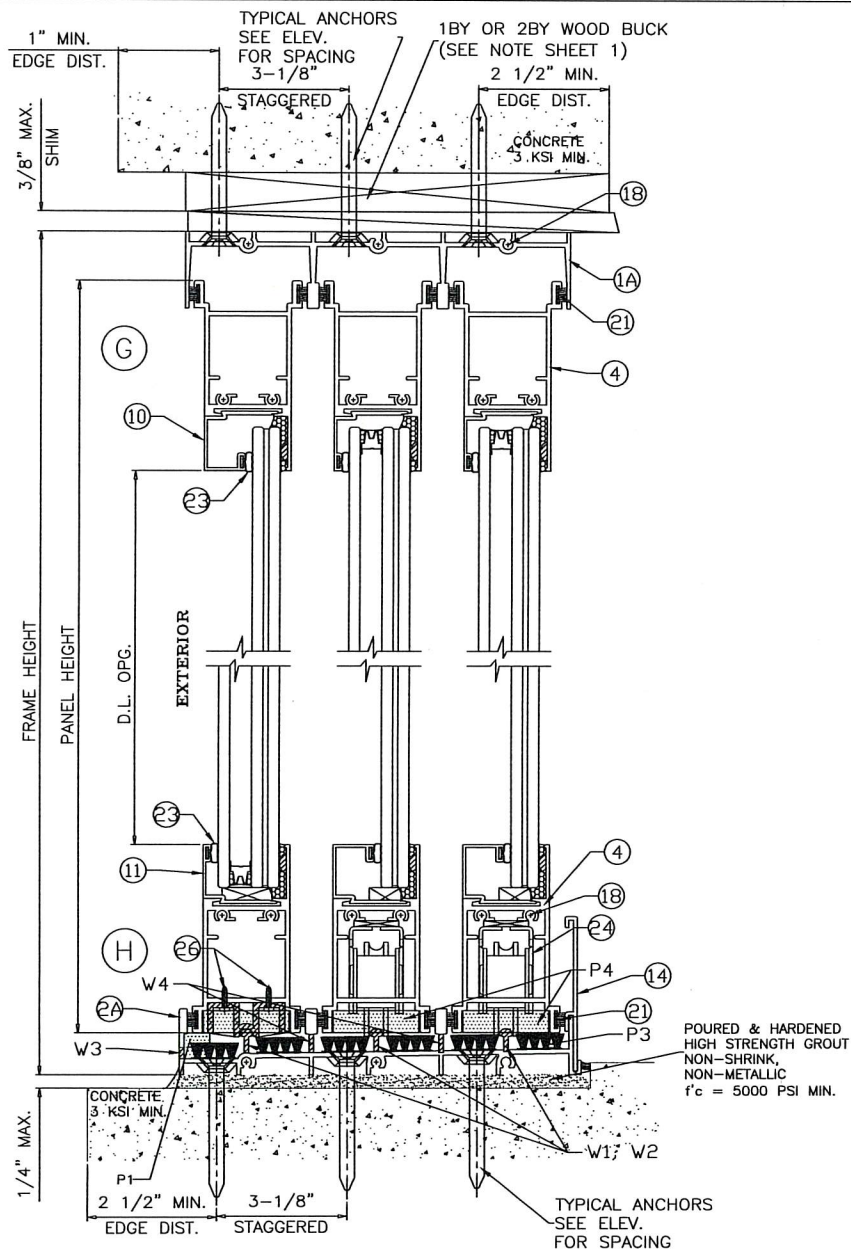
Revision:
COMBINED 755 & 755-3, REVISED
TABLE FORMAT,
ADDED DP
TABLE
ROUNDING,
ANCHOR HEAD
CONFIG. &
TYPE NOTES,
UPDATED PART
#S, REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

PREPARED BY A LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1800
REGISTRATION #29286

ECO window systems
ECO WINDOW SYSTEMS, LLC.
8802 N.W. 80th ST., MEDLEY, FL 33165
TEL. (305) 885-5299 FAX (305) 885-5902
SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

Rev.	A
Date	4/10/2022
Drawn	HONG C.
Check	
Sheet	5 OF 14
Series	SERIES 755
Desc.	VERTICAL SECTION DETAILS
Title	SGD755FPA - LMI





WEEPHOLES:

- W1 = 1-1/2" LONG NOTCH AT EACH END.
- W2 = 3/16" X 3/4" LONG WEEP NOTCH AT 22" FROM ENDS AND 36" O.C.
- W3 = 3/16" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.
- W4 = 1/4" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.

PILE PADS:

- P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION 1-1/16" LONG X 7/16" WIDE X 7/16" HIGH
- P2 = SELF ADHESIVE PILE PAD 1" X 3/8" X 1/4" HIGH
- P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN 2-1/2" X 1" X 3/8" HIGH
- P4 = OPEN CELL FOAM AT INTERLOCK 2" LONG X 1-7/16" WIDE X 7/16" HIGH

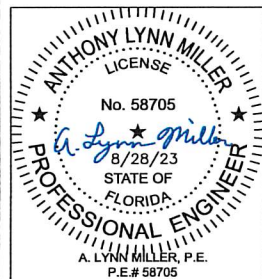
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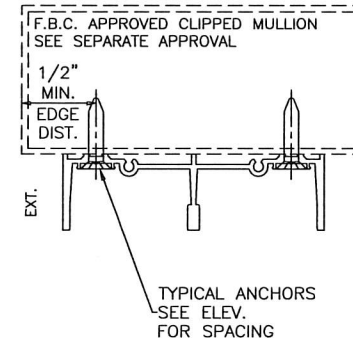
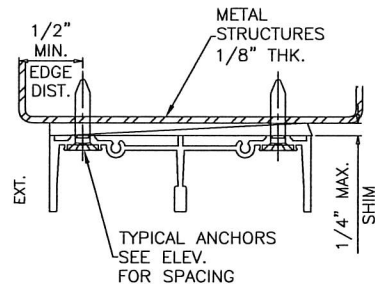
PREPARED BY A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (841) 480-1600

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

REGISTRATION #29296

Rev.	Date	By	Drawn	Check	Series	Sheet
A	4/10/2022	HONG C.			SGD755FPA - LMI	6 OF 14
VERTICAL SECTION DETAILS						
SERIES 755						





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 (2 TRACKS): 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)	3/4"	1-1/2"
	Head / Jambs	Thru 1BY Buck into Concrete (min. 3 ksi)	1-1/2"	1-3/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-3/4"
	All	Concrete (min. 3ksi)	1-1/2"	1-3/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-3/4"
1/4" TEKS Self Drilling Screws (Gr. 5)	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:
COMBINED 755 & 755-3, REVISED TABLE FORMAT, ADDED OP TABLE ROUNDING, ANCHOR HEAD CONFIG. & TYPE NOTES, UPDATED PART #S, REMOVED SILICONE AND BACKSTOP ON INSTALL DETAIL

PREPARED BY A LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1800

REGISTRATION #29296

Date
4/10/2022

By
HONG C.

Rev.
A
SGD755FFPA - LMI

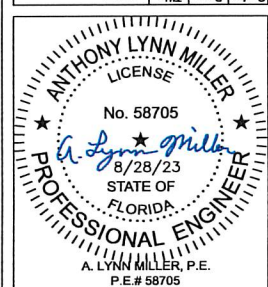


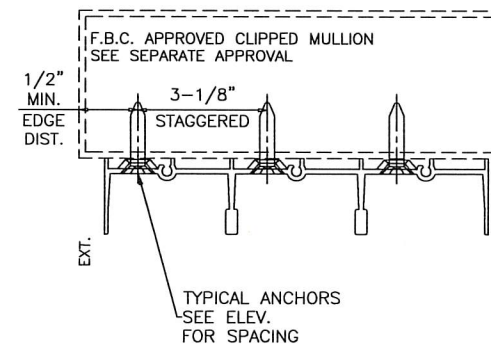
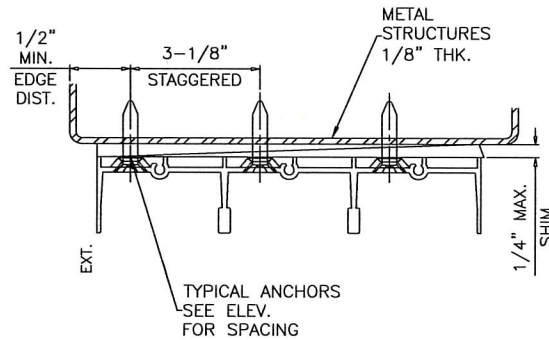
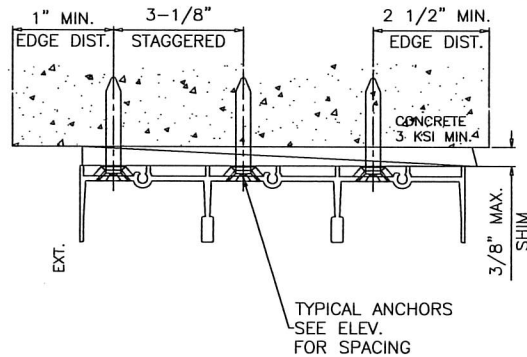
ECO WINDOW SYSTEMS, LLC
5500 N. W. 20th St. Miami, FL 33166
TEL (305) 885-5299 FAX (305) 885-5902

SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

ANCHOR DETAILS

SERIES 755
7 OF 14
Sheet





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 (3 TRACKS): 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)	5/8"	1-3/4"
	Head / Jambs	Thru 1BY or 2BY Buck into Concrete (min. 3 ksi)	See Section Details	1-3/4"
	Jambs	Thru 1BY or 2BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	See Section Details	1-3/4"
	All	Concrete (min. 3ksi)	See Section Details	1-3/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	See Section Details	1-3/4"
1/4" TEKS Self Drilling Screws (Gr. 5)	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:
COMBINED 755 & 755-3, REVISED TABLE FORMAT, ADDED DP TABLE ROUNDING, CONFIG. & ANCHOR HEAD TYPE NOTES, UPDATED PART #S, 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

By HONG C.

Rev.

Drawn

SGD755FPA - LMI

DWG No.

8 OF 14

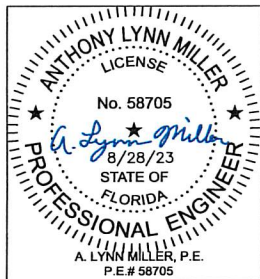
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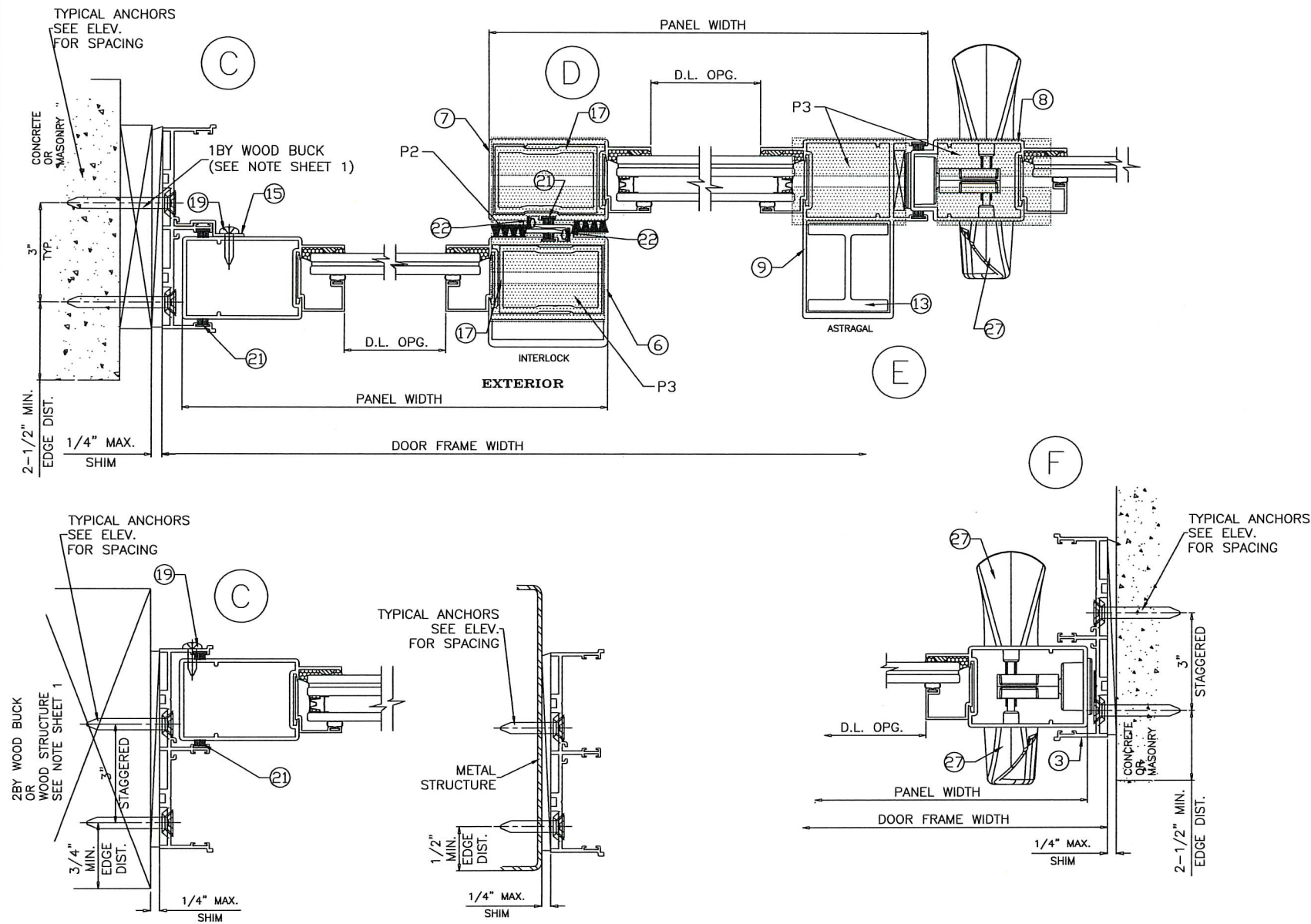
SERIES 755

ANCHOR DETAILS



SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)





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

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

REGISTRATION #29296

4/10/2022

HONG C.

SERIES 755 ALUM. SLIDING GLASS DOOR W/ REIN. (L.M.I.)

HORIZONTAL SECTION DETAIL CONT.

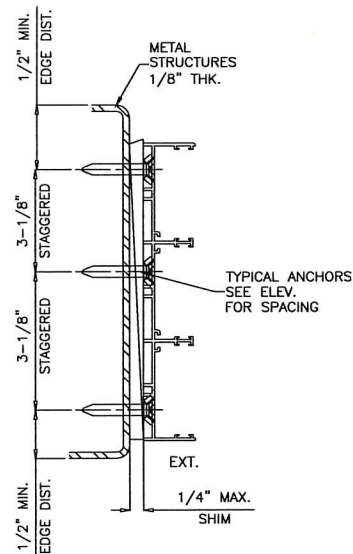
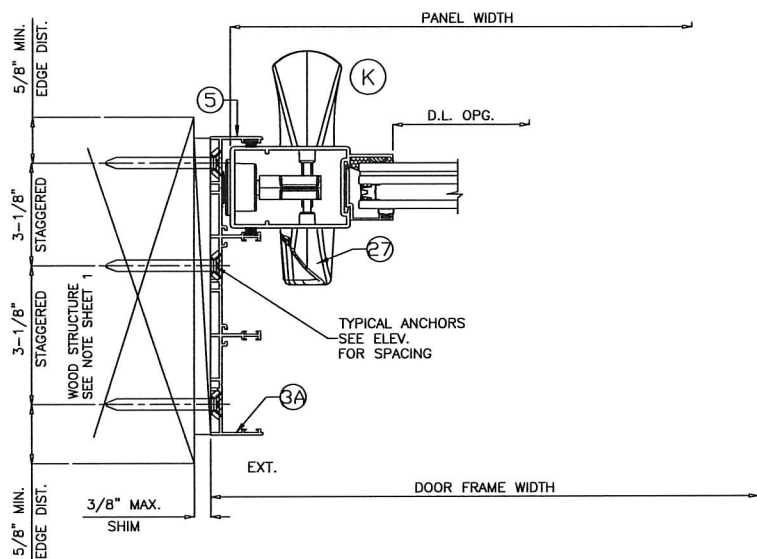
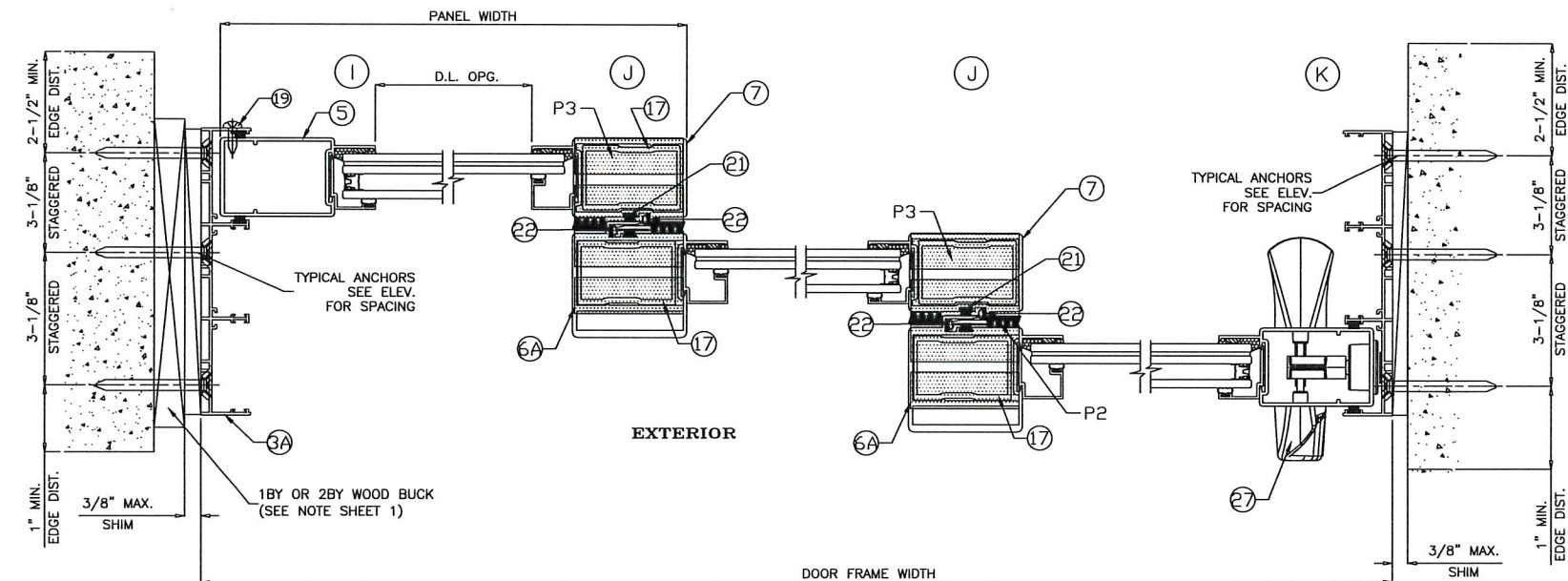
SERIES 755

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SGD755FPA - LMI

A

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 8/28/23
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705



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COMBINED 755 & 755-3 REVISED
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ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST., MEDLEY, FL 33166
TEL. (305) 885-5238 FAX. (305) 885-5502

4/10/2022	Date	Rev.	A
HONG C.	By	No.	SGD755FPA - LMI
HORIZONTAL SECTION DETAIL CONT.		10 OF 14	Sheet
SERIES 755		Title	

ANTHONY LYNN MILLER
LICENSE
No. 58705
8/28/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

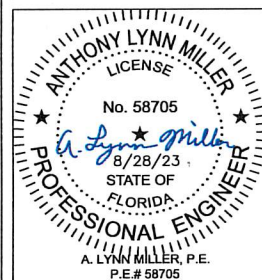
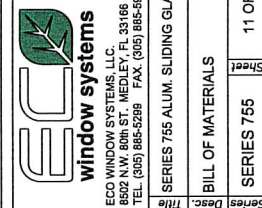
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E734	1	FRAME HEAD (2 TRACK)	6005 - T5	-
1A	E723	1	FRAME HEAD (3 TRACK)	6005 - T5	-
2	E735	1	FRAME SILL (2 TRACK)	6005 - T5	-
2A	E724	1	FRAME SILL (3 TRACK)	6005 - T5	-
3	E736	2	FRAME JAMB (2 TRACK)	6063 - T6	-
3A	E725	2	FRAME JAMB (3 TRACK)	6063 - T6	-
4	E704	2/PANEL	PANEL TOP & BOTTOM RAIL	6063 - T6	-
5	E705	AS REQD.	PANEL LOCKSTILE	6063 - T6	-
6	E730	AS REQD.	PANEL H.D. OUTER INTERLOCK	6063 - T6	-
7	E707	AS REQD.	PANEL INNER INTERLOCK	6063 - T6	-
8	E708	AS REQD.	PANEL MALE ASTRAGAL	6063 - T6	-
9	E709	AS REQD.	PANEL FEMALE ASTRAGAL	6063 - T6	-
10	E710	AS REQD.	GLAZING BEAD 7/16" LAMINATED GLASS	6063 - T6	-
11	E711	AS REQD.	GLAZING BEAD 1" INSULATED GLASS)	6063 - T6	-
12	E714	AS REQD.	2-3/4" SILL RISER	6063 - T6	-
13	E738	AS REQD.	ASTRAGAL REINFORCEMENT	6063 - T6	-
14	E750	AS REQD.	FRAME SILL COVER	6063 - T6	-
15	E715	AS REQD.	FIXED PANEL CLIP (CONTINUOUS)	6063 - T6	-
17	E717	AS REQD.	INTERLOCK REINFORCEMENT	6063 - T6	-
18	#10 X 3/4" HWH SMS	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	-
18A	#10 X 1" FH SMS	AS REQD.	PANEL ASSEMBLY SCREWS	ST. STEEL	-
19	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL CLIP SCREWS	ST. STEEL	AT 3" FROM ENDS & 16" O.C.
20	#10 X 1-1/4" PH SMS	1/ROLLER	ROLLER INST. SCREWS	-	NOT SHOWN
21	WEATHERSTRIP	AS REQD.	FRAME AND PANEL WEATHERSTRIP	-	FIN SEAL .190" HIGH BY ULTRAFAB
22	E235	AS REQD.	INTERLOCK BUMPER BULB	SANTOPRENE	ULTRAFAB
23	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB DUROMETER 65±5
24	PRO3-6005	2/MOV. PANEL	TANDEM NYLON WHEELS IN ST. STEEL HOUSING	-	INTERLOCK (1/2" MTG. SPACER REQD.)
25	E718	2/PANEL	FIXED PANEL SKATE	DELRIIN	-
26	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL SKATE INST. SCREWS	ST. STEEL	-
27	-	AS REQD.	3 PLY DUAL POINT LOCK ASSEMBLY	-	BY INTERLOCK
28	-	AS REQD.	BUMPON (SILICONE SPACER)	SILICONE	BY FRANK LOWE
29	-	AS REQD.	SETTING BLOCK AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

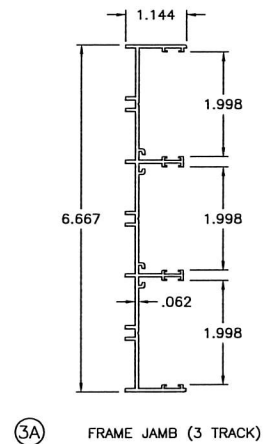
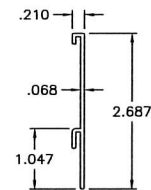
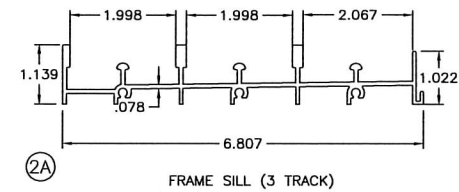
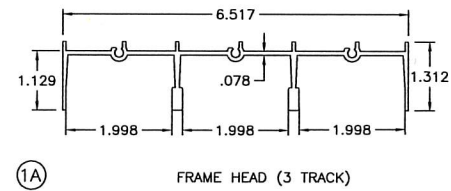
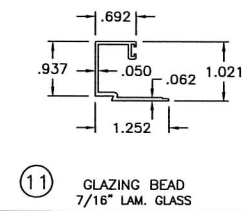
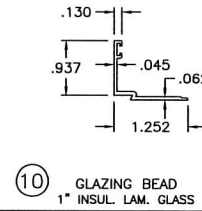
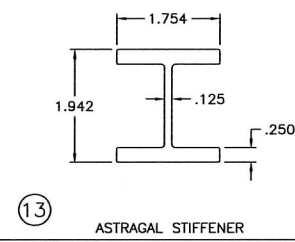
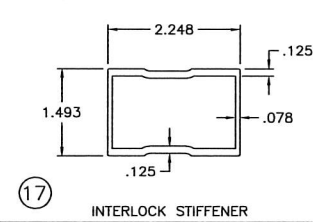
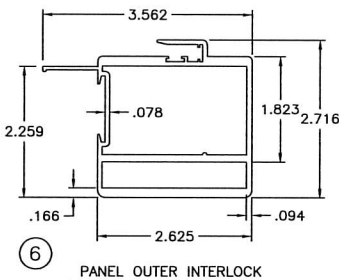
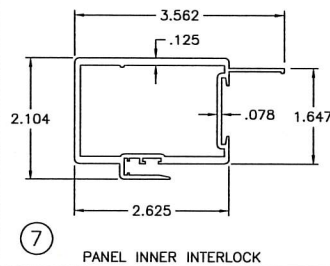
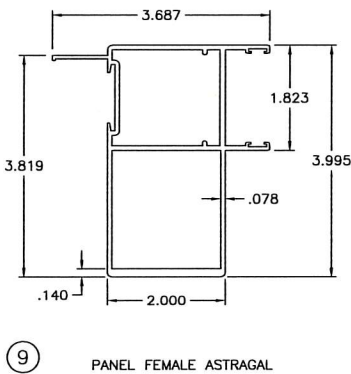
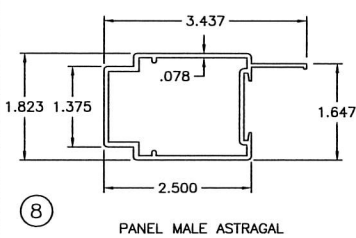
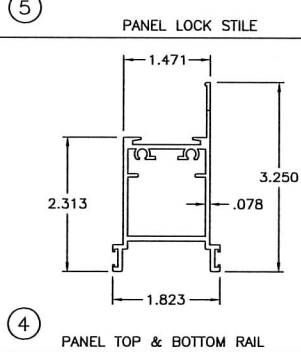
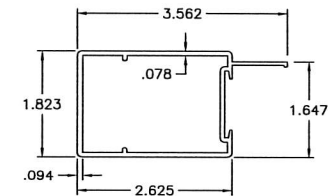
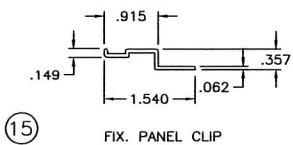
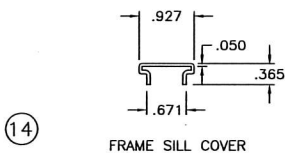
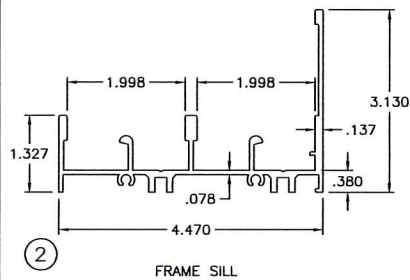
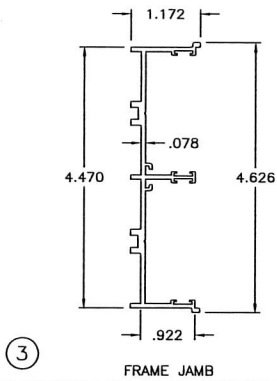
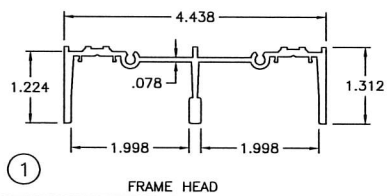
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE

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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #23296		4/10/2022		A	
				Date		Rev.	
				By		HONG C.	
				Title		SGD755FPA - LMI	
				DWG No.		11 OF 14	
				Sheet		SERIES 755	
				BILL OF MATERIALS			
				Series Desc.			



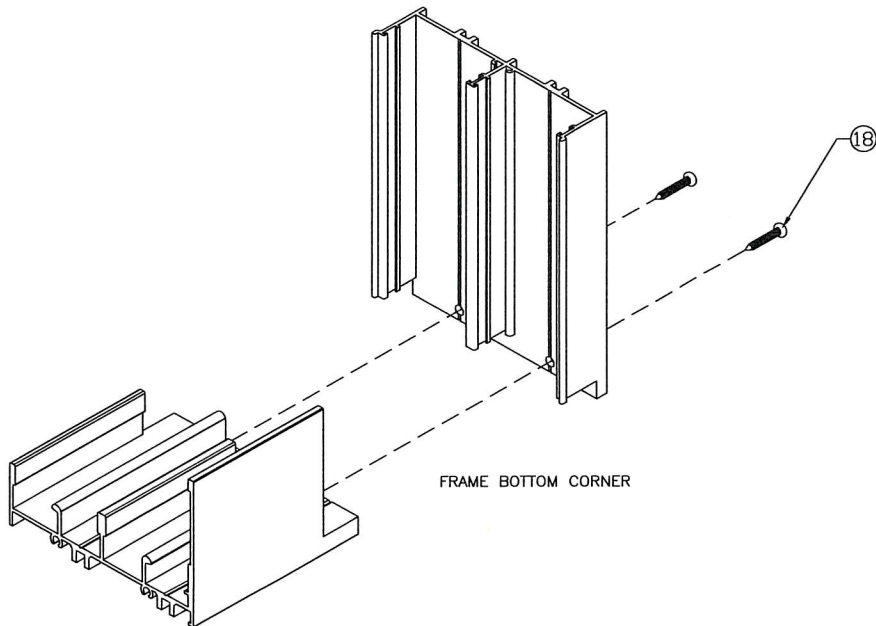
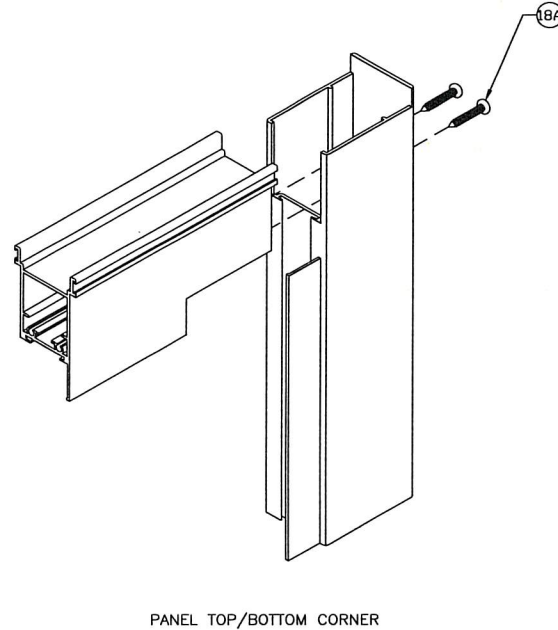
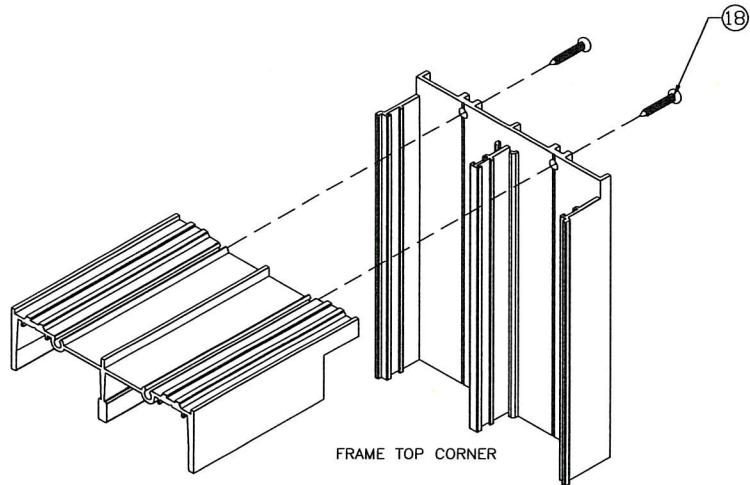


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BACKSTOP ON
INSTALL DETAIL

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date 4/10/2022	Drawn HONG C.	No. SGD755FPA - LMI	Sheet 12 OF 14	Title EXTRUSION PROFILES SERIES 755

ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL (305) 885-5288 FAX (305) 885-5602
SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

ANTHONY LYNN MILLER
LICENSE
No. 58705
8/28/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



Revision:
COMBINED 755 &
755-3, REVISED
TABLE FORMAT,
ADDED DP
TABLE
ROUNDING,
ANCHOR HEAD
CONFIG. &
TYPE NOTES,
UPDATED PART
#S, REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

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

REGISTRATION #29296

Date 4/10/2022

By HONG C.

Rev. A



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
TEL: (941) 480-1000 FAX: (941) 480-1000

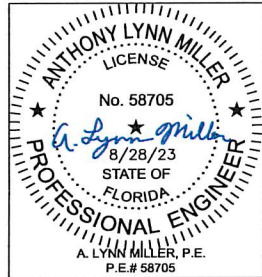
SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

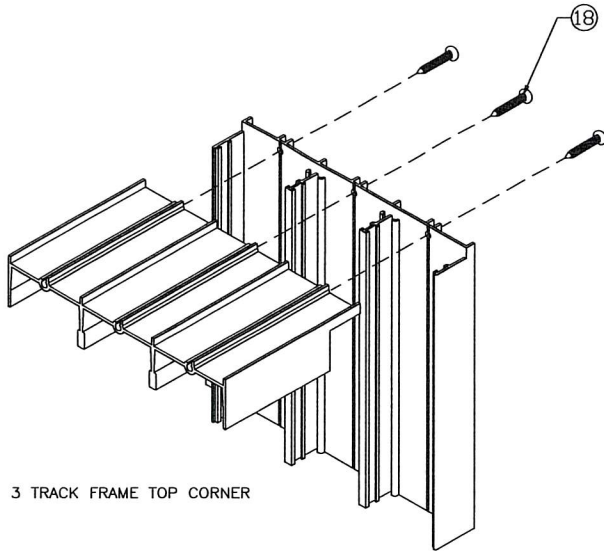
ASSEMBLY CORNER DETAILS

13 OF 14

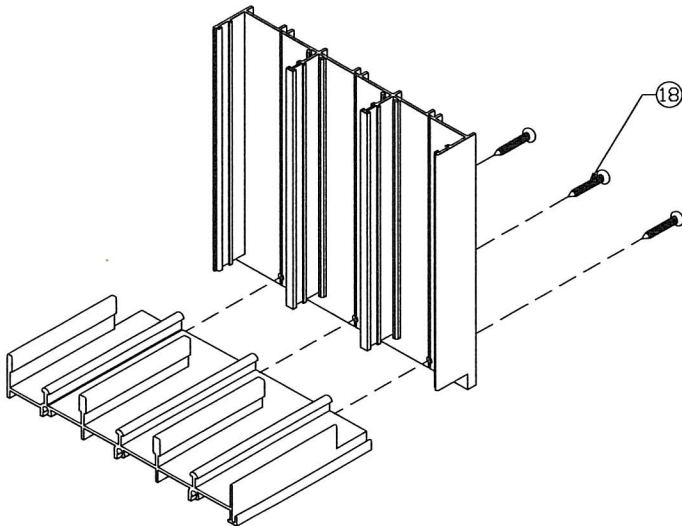
SERIES 755

SGD755FPA - LMI

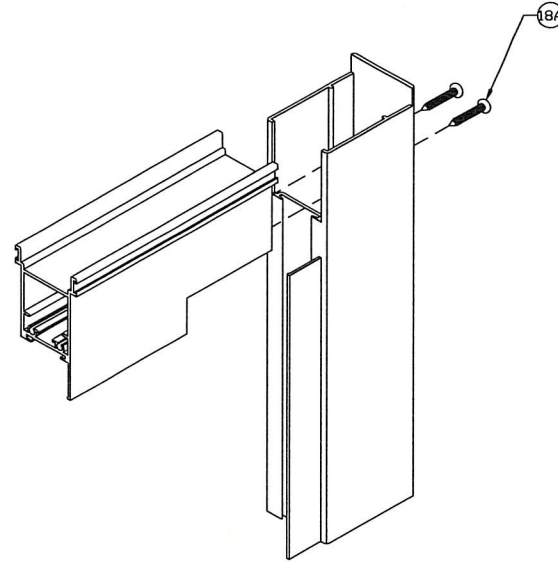




3 TRACK FRAME TOP CORNER



3 TRACK FRAME BOTTOM CORNER



PANEL TOP/BOTTOM CORNER

Revision:
COMBINED 755 &
755-3, REVISED
TABLE FORMAT,
ADDED DP
TABLE
ROUNDING,
CONFIG. &
ANCHOR HEAD
TYPE NOTES,
UPDATED PART
#S, REMOVED
SILICONE AND
BACKSTOP ON
INSTALL DETAIL

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1000
REGISTRATION #29286

ECO window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80TH ST., MEDLEY, FL 33166
TEL: (305) 885-5289 FAX: (305) 885-5902
SERIES 755 ALUM. SLIDING GLASS DOOR W/ REINF. (L.M.I.)

Date 4/10/2022
Drawn by HONG C.

Rev.	A
DWG No.	SGD755FPA - LMI
Sheet	14 OF 14
Series	SERIES 755
Desc.	ASSEMBLY CORNER DETAILS

ANTHONY LYNN MILLER
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A. LYNN MILLER, P.E.
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