



Product Approval
USER: Public User

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

OFFICE OF THE
SECRETARY

FL #	FL21461-R6								
Application Type	Revision								
Code Version	2023								
Application Status	Approved								
Comments									
Archived	☐								
Product Manufacturer	E.S. Windows, Inc.								
Address/Phone/Email	10653 NE Quaybridge Ct. Miami, FL 33138 (305) 624-7775 achamorro@eswllc.com								
Authorized Signature	Jalal Farooq veronica@afceng.com								
Technical Representative	Samir Sabagh								
Address/Phone/Email	3550 NW 49th St. Miami, FL 33142 (305) 638-5151 ssabagh@energiasolarsa.com								
Quality Assurance Representative									
Address/Phone/Email									
Category	Windows								
Subcategory	Fixed								
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	Jalal Farooq								
Florida License	PE-81223								
Quality Assurance Entity	Keystone Certifications, Inc.								
Quality Assurance Contract Expiration Date	07/16/2025								
Validated By	Abel Carrasco, PE ☒ Validation Checklist - Hardcopy Received								
Certificate of Independence	FL21461_R6_COI_SS - Certificate of Independence 2023.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	TAS 201	1994	TAS 202	1994	TAS 203	1994
<u>Standard</u>	<u>Year</u>								
TAS 201	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	10/23/2023
Date Validated	10/23/2023
Date Pending FBC Approval	11/01/2023
Date Approved	12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
21461.1	Series ES-EL150 Aluminum Fixed Window	Large missile impact resistant aluminum fixed window.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +80/-105 Other: See drawing W16-76 for span vs. load combinations and installation details.		Installation Instructions FL21461_R6_II_SS-ES-EL150 Alum FW (LMI) - DWG W16-76 (2023) R1.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL21461_R6_AE_SS-ES-EL150 Alum FW (LMI)-PAE 2023 R1.pdf Created by Independent Third Party: Yes
21461.2	Series ES-EL150 Aluminum Fixed Window	Non-impact resistant aluminum fixed window.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +80/-100 Other: See drawing 20-61F for span vs. load combinations and installation details		Installation Instructions FL21461_R6_II_SS-ES-EL150 Alum FW (NI)-DWG 20-61F 2023.1.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL21461_R6_AE_SS-ES-EL150 Alum FW (NI)-PAE 2023.1.pdf Created by Independent Third Party: Yes
21461.3	Series ES-EL150-HP Aluminum Fixed Window	Large missile impact resistant aluminum fixed window.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +100/-140 Other: See drawing 23-53F for span vs. load combinations and installation details		Installation Instructions FL21461_R6_II_SS-ES-EL150-HP Alum FW (LMI) - DWG 23-53F 2023.pdf Verified By: Jalal Farooq PE 81223 Created by Independent Third Party: Yes Evaluation Reports FL21461_R6_AE_SS-ES-EL150-HP Alum FW (LMI)-PAE 2023.pdf Created by Independent Third Party: Yes

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

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Product Approval Accepts:



Credit Card
Safe

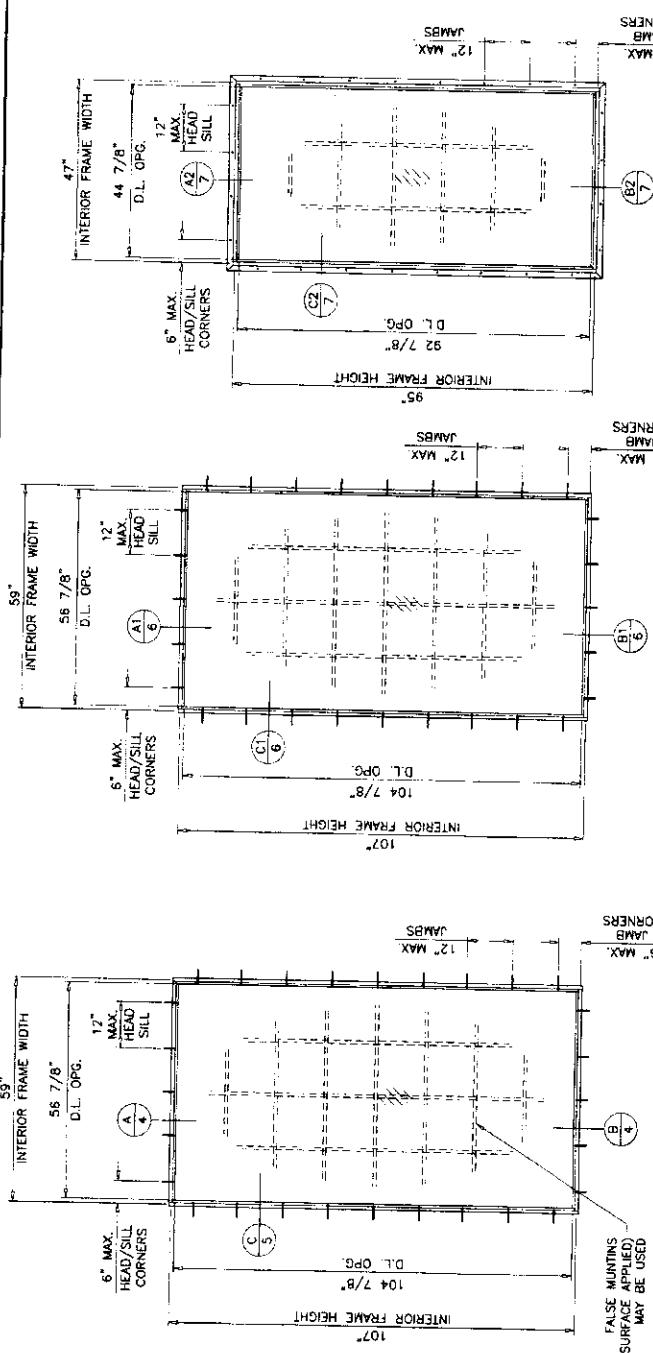
securityMETRICS

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 (C.A.N. 3538)
 FAX (305) 262-6978
 TEL (305) 264-8400
 COMP-ANL\W16-76S

E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL 33142
 FAX (305) 638-5151
 TEL (305) 638-5151

NO	DATE	BY	DESCRIPTION
01	05.17.20		GENERAL REVISION
02	07.23.20		UPDATED TO 2023 FBC
03	06.15.21		WORK SIZES ADDED
04	07.23.21		UPDATED TO 2023 FBC
05	10.13.23		WORK FRAME REV

date: 11-29-16
 drawing no: W16-76
 sheet 1 of 9



TYPICAL ELEVATION
 FLANGE FRAMES WITH FIN ADAPTER
 WINDOWS WITH FIN FRAME ADAPTERS LIMITED TO GLASS TYPES 'A', 'A', 'B', 'D', 'E' & 'E' ONLY

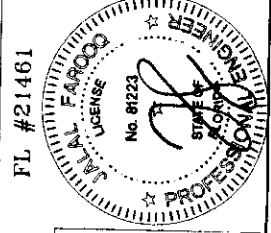
TYPICAL ELEVATION
 FLANGE FRAMES WITH FLUSH ADAPTER
 WINDOWS WITH FIN FRAME ADAPTERS LIMITED TO GLASS TYPES 'A', 'A', 'B', 'D', 'E' & 'E' ONLY

TYPICAL ELEVATION
 FLANGE FRAMES
 WINDOWS WITH FIN FRAME ADAPTERS LIMITED TO GLASS TYPES 'A', 'A', 'B', 'D', 'E' & 'E' ONLY

DAYLITE OPENINGS:
 D.L.O. HEIGHT = WINDOW HEIGHT - 3.125"
 D.L.O. WIDTH = WINDOW WIDTH - 3.125"

WINDOWS WITH GLASS TYPES 'AA', 'BB' & 'AA' COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

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



Sealed: 10/23/2023
 FL #21461

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED IN THIS DOCUMENT.
 B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
 C- SITE SPECIFIC PRODUCTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHO WILL BE RESPONSIBLE FOR THE RECORD (COR) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR A DELEGATED ENGINEER TO THE F.E.D. ENGINEER OF RECORD. ACTING AS A DELEGATED ENGINEER TO THE F.E.D. ENGINEER SHALL SUBMIT TO THIS LATER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
 D- THE F.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 3 AND 3.1.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX/FIX, OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) 18Y 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.

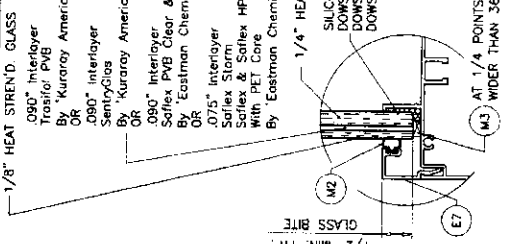
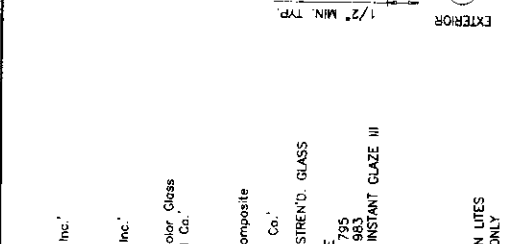
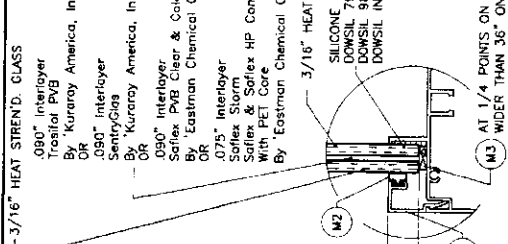
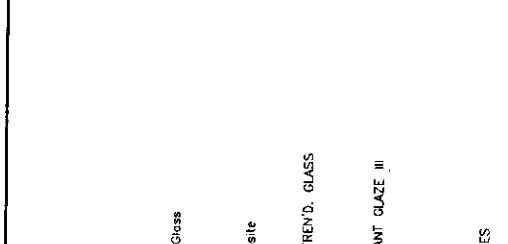
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT. THE USER OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. SHALL BE THE RESPONSIBILITY OF THE USER AND TO BE REVIEWED BY BUILDING OFFICIAL.

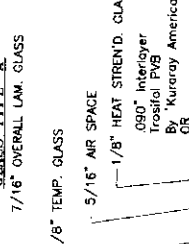
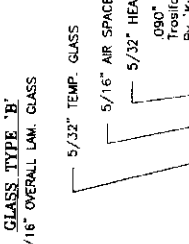
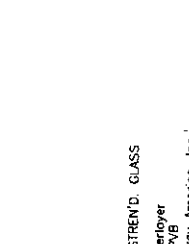
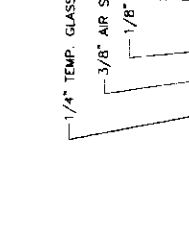
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

ES-EL150
FIXED ALUMINUM WINDOW

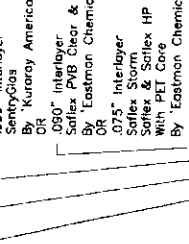
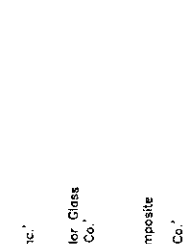
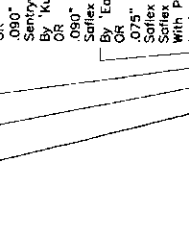
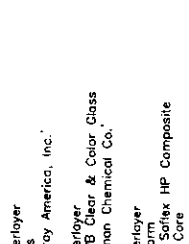
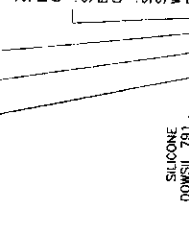
5/16" OR 3/8" AIR SPACE CONSISTING OF:
 SPACER:
 "HELIMA" LOW PROFILE ALUMINUM SPACER
 BY "LINGERMAN GMBH"
 AROUND THE PERIMETER OF THE GLASS.
 PERIMETER SEALANT:
 SILICONE
 DOW CORNING 791
 GE 2000



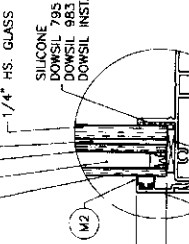
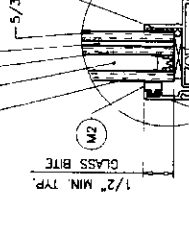
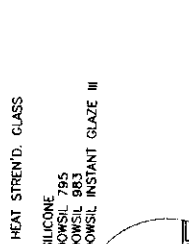
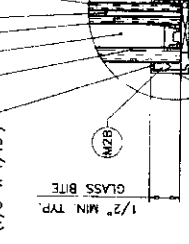
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 "HELIMA" LOW PROFILE ALUMINUM SPACER
 BY "LINGERMAN GMBH"
 AROUND THE PERIMETER OF THE GLASS.
 PERIMETER SEALANT:
 SILICONE
 DOW CORNING 791
 GE 2000



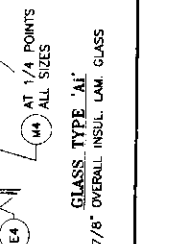
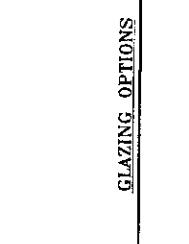
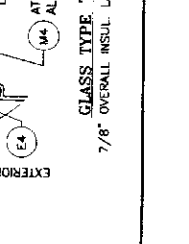
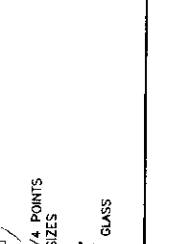
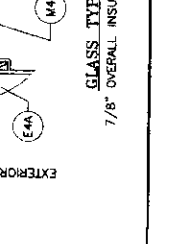
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 BY "LINGERMAN GMBH"
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 PERIMETER SEALANT:
 SILICONE
 DOW CORNING 791
 GE 2000



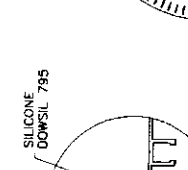
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 BY "LINGERMAN GMBH"
 AROUND THE PERIMETER OF THE GLASS.
 PERIMETER SEALANT:
 SILICONE
 DOW CORNING 791
 GE 2000



Sealed: 10/23/2023
 FL #21461



GLASS TYPE 'E1'
 7/8" OVERALL INSUL. LAM. GLASS

GLASS TYPE 'D1'
 7/8" OVERALL INSUL. LAM. GLASS

GLASS TYPE 'D1'
 7/8" OVERALL INSUL. LAM. GLASS

GLASS TYPE 'D1'
 7/8" OVERALL INSUL. LAM. GLASS

GLASS TYPE 'D1'
 7/8" OVERALL INSUL. LAM. GLASS

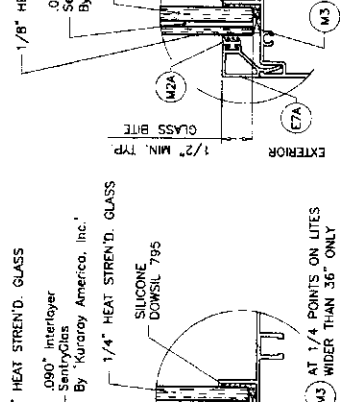
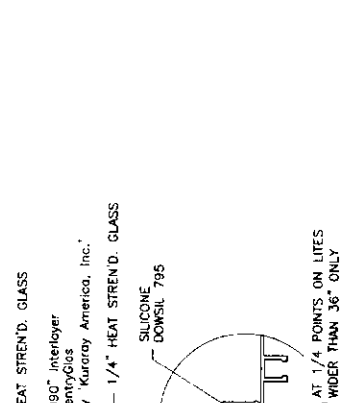
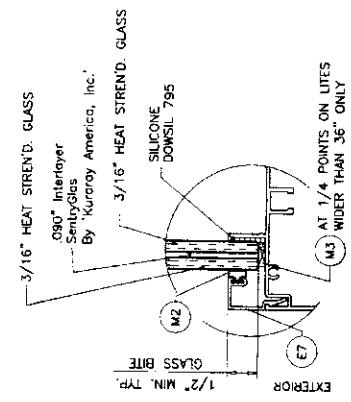
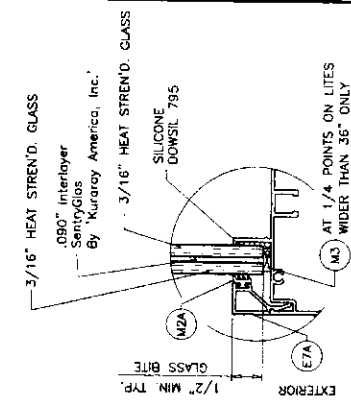
GLASS TYPE 'D1'
 7/8" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
FAX (305) 264-8100
TEL (305) 264-8100
COMP-ANL W16-76ES

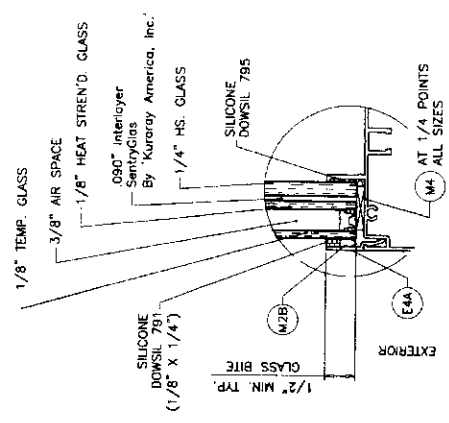
ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)
E.S. WINDOWS, LLC
MIAMI, FL 33142
3550 N.W. 49 STREET
TEL (305) 638-5151 FAX (305) 638-5158

date: 11-29-16	scale: 1/2" = 1'	dr. by: TAD	chk. by:
revisions:	no. date	by	description
drawing no. W16-76			
sheet 2 of 9			



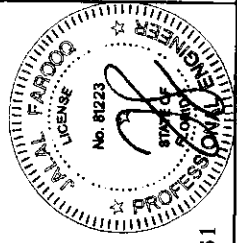
GLASS TYPE 'BB'
7/16" OVERALL LAM. GLASS

GLASS TYPE 'AA'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'AAA'
7/8" OVERALL INSUL. LAM. GLASS

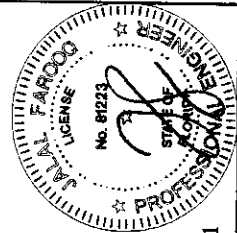
3/8" AIR SPACE CONSISTING OF:
SPACER:
"HELIMA" LOW PROFILE ALUMINUM SPACER
BY "LINGERMANN GMBH"
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOW CORNING 791
GE 2000



Sealed: 10/23/2023

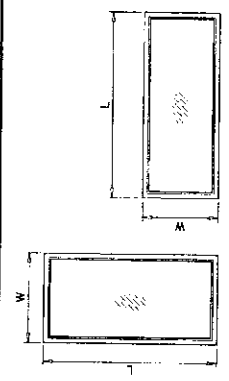
FL #21461

GLAZING OPTIONS

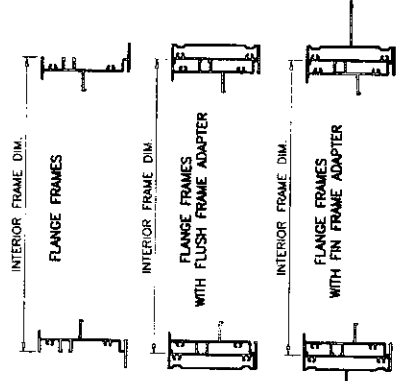


Sealed: 10/23/2023

FL #21461



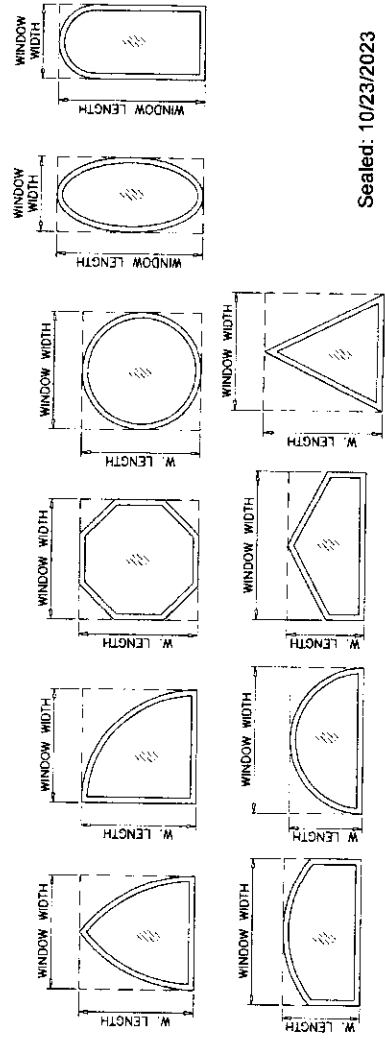
NOTE: WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES	
WIDTH	HEIGHT	EXT (+)	INT (-)
18-1/8"	25"	80.0	80.0
25-1/2"	36"	80.0	80.0
36"	47"	80.0	80.0
52-1/8"	57"	80.0	80.0
18-1/8"	37-3/8"	80.0	80.0
25-1/2"	49-5/8"	80.0	80.0
36"	57"	80.0	80.0
52-1/8"	75"	80.0	80.0
18-1/8"	36"	80.0	80.0
25-1/2"	47"	80.0	80.0
36"	57"	80.0	80.0
52-1/8"	75"	80.0	80.0
18-1/8"	36"	80.0	80.0
25-1/2"	47"	80.0	80.0
36"	57"	80.0	80.0
52-1/8"	75"	80.0	80.0

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES	
WIDTH	HEIGHT	EXT (+)	INT (-)
29"	101"	80.0	80.0
35"	113"	80.0	80.0
41"	125"	80.0	80.0
47"	137"	80.0	80.0
53"	143"	80.0	80.0
59"	151"	80.0	80.0
65"	159"	80.0	80.0
71"	167"	80.0	80.0
77"	175"	80.0	80.0
83"	183"	80.0	80.0
89"	191"	80.0	80.0
95"	199"	80.0	80.0

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

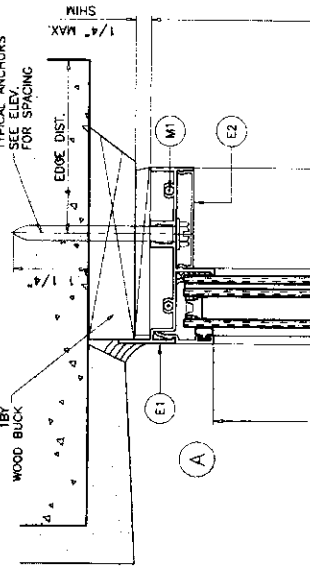
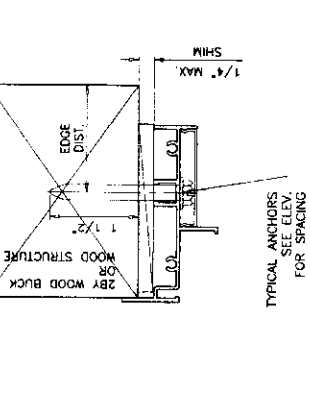
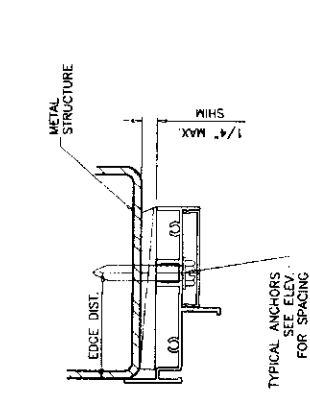
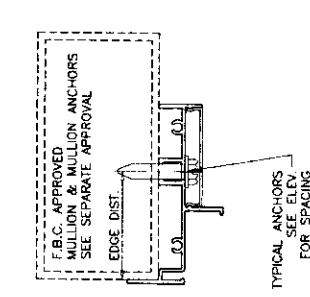


ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 5538)
FAX: (305) 262-6978
COMP-ANL W16-78ES

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL: (305) 638-5151 FAX: (305) 638-5158
ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)

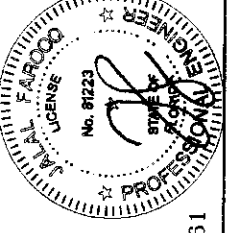
no. 11-25-16
date: 11-25-16
scale: 1/2" = 1'
drawing: W16-76
sheet: 4 of 9



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

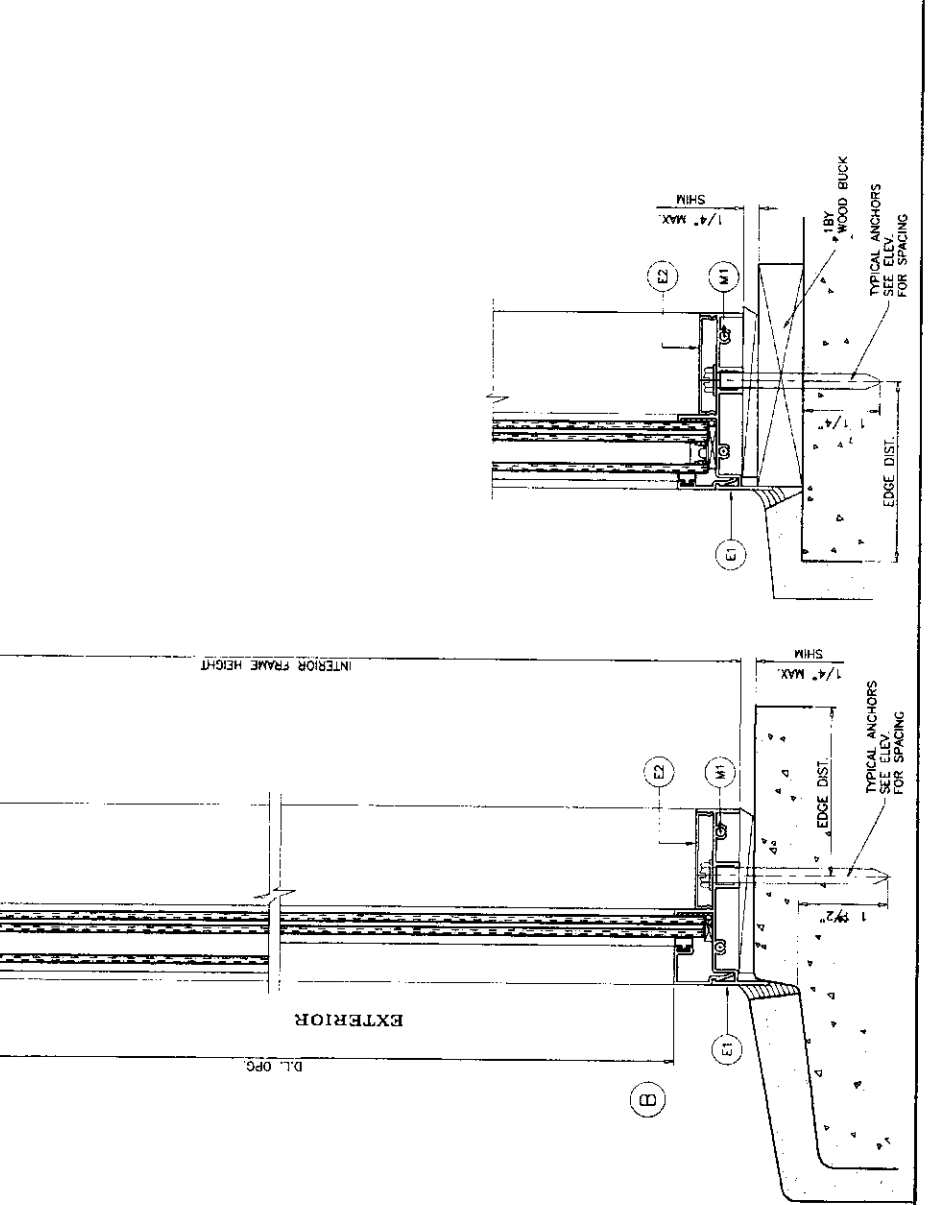
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. TAPCON BY 'ITW' (F_u=125 KSI, F_y=100 KSI)
1/4" DIA. ULTRACONT BY 'DEWALT' (F_u=164 KSI, F_y=148 KSI)
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)
DIRECTLY INTO CONCRETE OR MASONRY
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)
1/4" DIA. IEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (F_y = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
WOOD AT HEAD, SILL OR JAMBS S_G = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.



Sealed: 10/23/2023

FL #21461

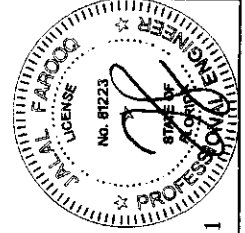


AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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 (C.A.N. 8538)
 TEL (305) 264-8100 FAX (305) 262-8978
 COMP-ANL W16-76CS

E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL 33142
 TEL (305) 638-5151 FAX (305) 638-5158

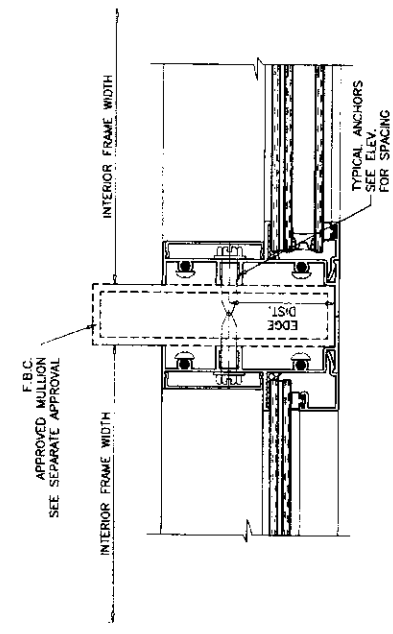
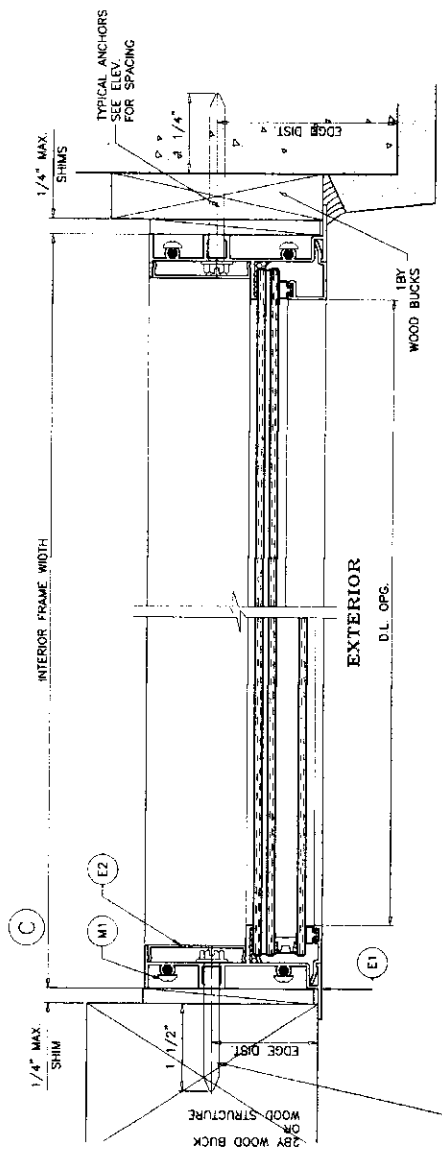
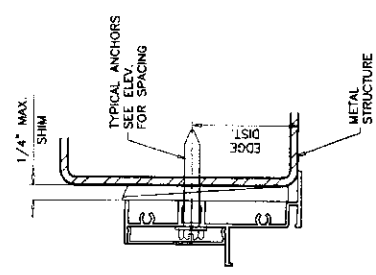
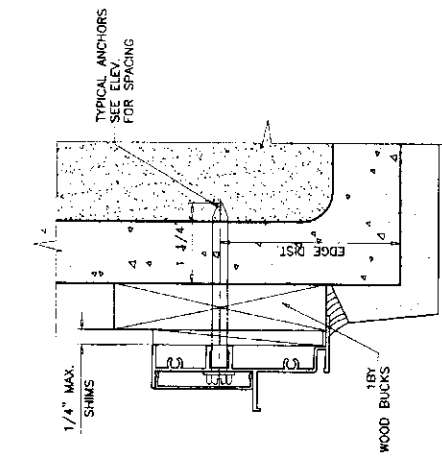
revisions	no.	date	by	description
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chk. by: no. drawing: **W16-76**
 dr. by: TARIQ
 scale: 1/2" = 1'
 date: 11-29-16
 sheet 5 of 9

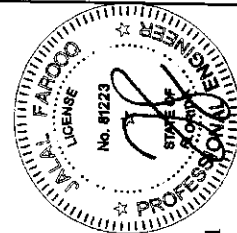


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FL #21461

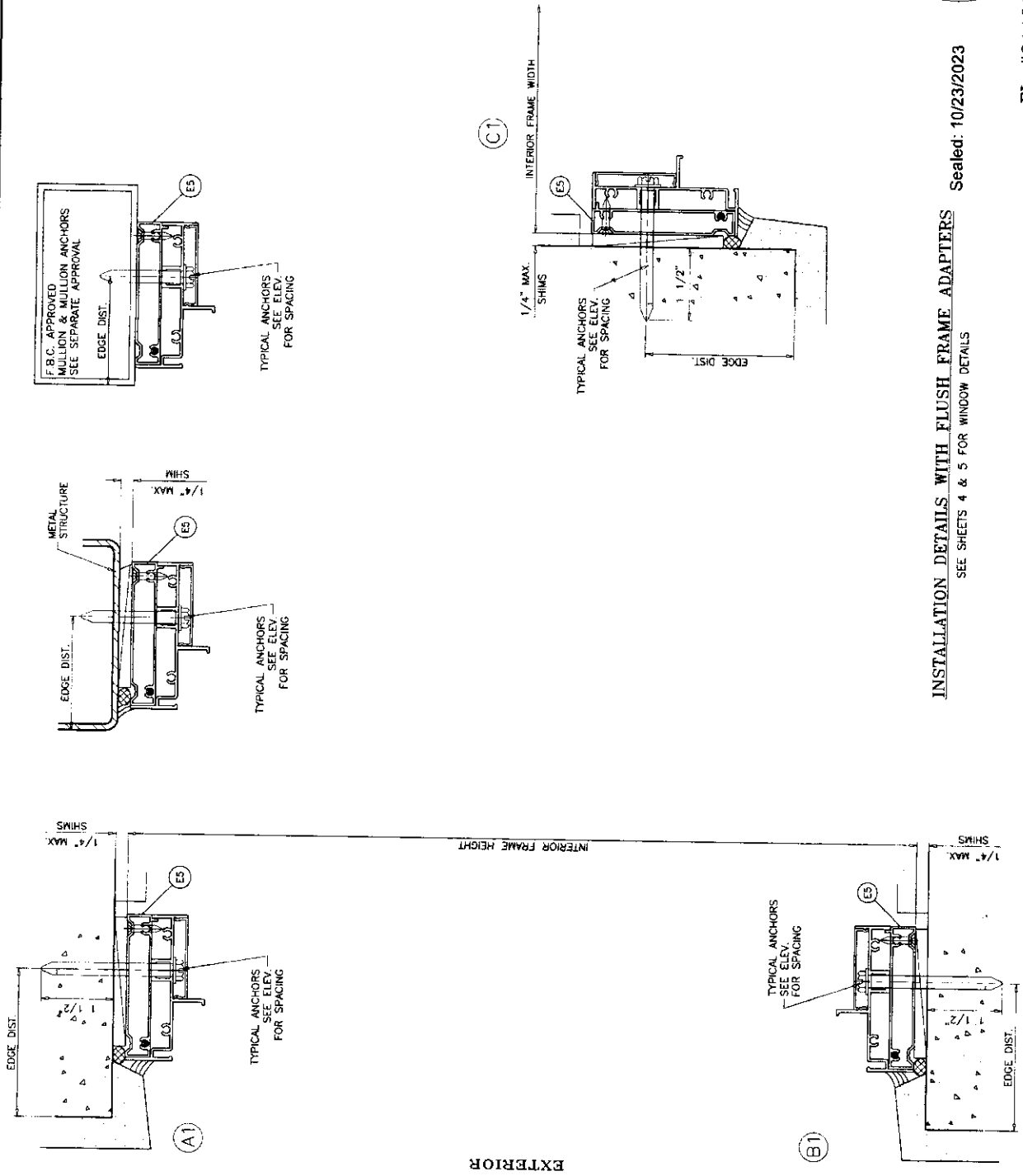


AL-FAROQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL W16-76ES		E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL 33142 TEL. (305) 638-5151 FAX. (305) 638-5156		drawing no. W16-76 sheet 6 of 9 date: 11-29-16 scale: 1/2" = 1" dr. by: JARD chm. by:	
ES-EL150 FIXED ALUMINUM WDW. (L.M.I.)				no. date by description REVISIONS	

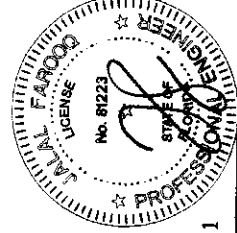


FL #21461

Sealed: 10/23/2023
 INSTALLATION DETAILS WITH FLUSH FRAME ADAPTERS
 SEE SHEETS 4 & 5 FOR WINDOW DETAILS



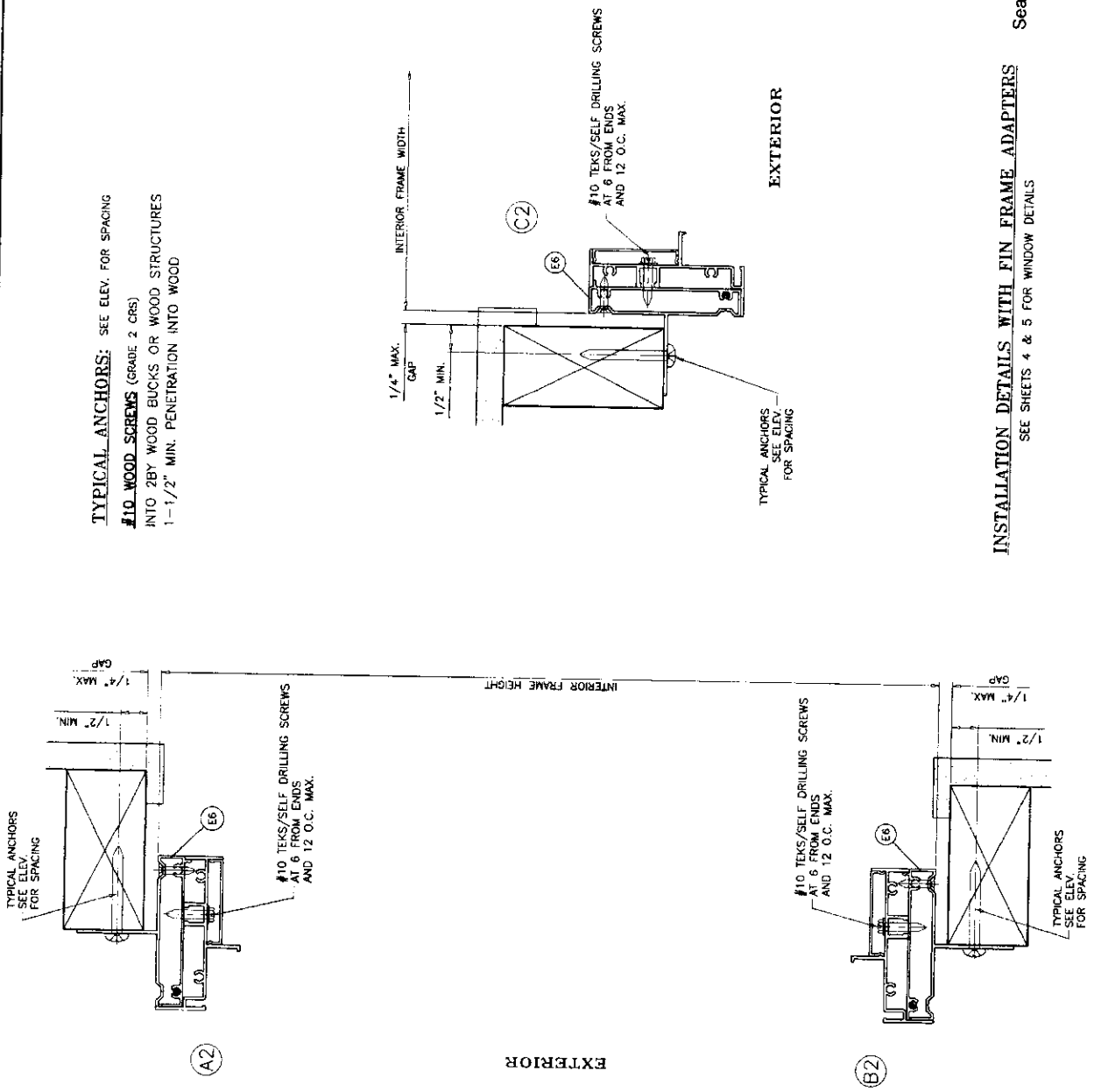
AL-FAROQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9380 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3536) TEL. (305) 262-8978 FAX. (305) 262-8978 COMP-ANL W16-76E5		E.S. WINDOWS, LLC 3560 N.W. 49 STREET MIAMI, FL 33142 TEL. (305) 638-5151 FAX. (305) 638-5158		drawing no. W16-76 date: 11-29-16 scale: 1/2" = 1' by: TMO checked by: TMO no. 0016 by description REVISIONS:	
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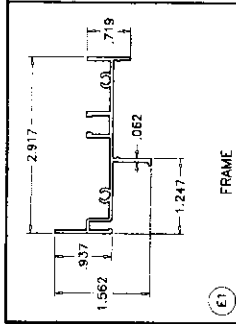
Sealed: 10/23/2023

FL #21461

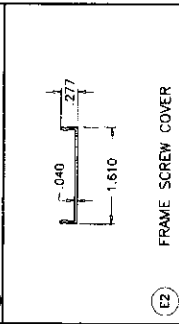
INSTALLATION DETAILS WITH FIN FRAME ADAPTERS
 SEE SHEETS 4 & 5 FOR WINDOW DETAILS



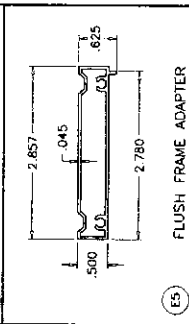
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
#10 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD



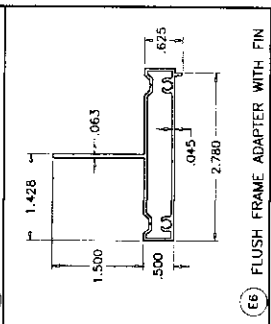
(E1)



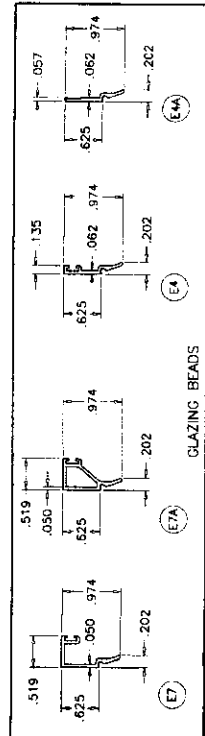
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(E3)



(E4)



(E5)

(E6)

(E7)

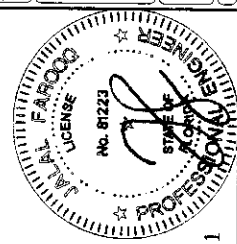
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-EL155	1	FRAME	6063-T6	-
E2	ES-EL156	AS REQD.	FRAME SCREW COVER	6063-T6	-
E3	ES-EL111	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
E4	ES-EL116	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
E5	ES-EL112	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-
E6	ES-EL115	AS REQD.	FLUSH FRAME ADAPTER WITH FIN	6063-T6	-
E7	ES-EL110	AS REQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	-
E7A	ES-EL123	AS REQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	-
M1	#8 x 1"	-	FRAME ASSEMBLY FASTENERS	ST. STEEL	PH SMS
M2	ES-5008A	AS REQD.	EXTERIOR BULB GASKET	SILICONE	DURUMETER 6015 SHORE A
M2A	EL100-G02	AS REQD.	EXTERIOR LEAF GASKET	SILICONE	DURUMETER 6015 SHORE A
M2B	ES-H-340-G05	AS REQD.	EXTERIOR WEDGE GASKET	SILICONE	DURUMETER 6515 SHORE A
M3	80-372A	2/ LITE	SETTING BLOCK AT 1/4 POINTS (LAM. GLASS)	SILICONE	DURUMETER 8015 SHORE A
M4	EL100-B01	2/ LITE	SETTING BLOCK AT 1/4 POINTS (INSUL. LAM. GLASS)	SILICONE	DURUMETER 8015 SHORE A
M5	#8 x 1"	-	FLUSH/FIN FRAME ADAPTER ASSEMBLY FASTENERS	ST. STEEL	PH SMS

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revisions: no date by description

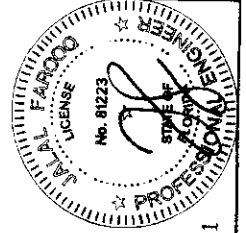
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drawing no. W16-76
sheet 8 of 9



Sealed: 10/23/2023

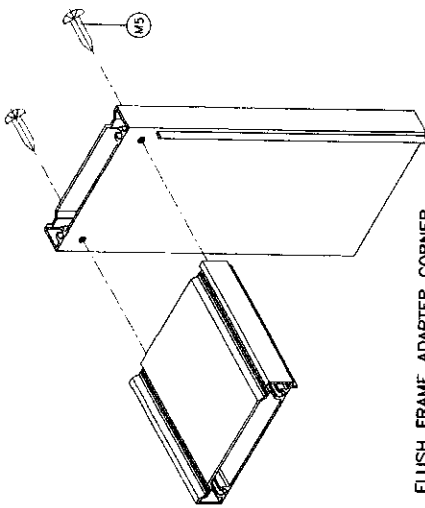
FL #21461

AL-FAROQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3538) TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL W16-76ES		E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL 33142 TEL. (305) 638-5151 FAX. (305) 638-5156		CHK. BY: _____ DR. BY: TARA SCALE: 1/2" = 1" DATE: 11-28-16 NO. OF REVISIONS: _____ NO. DATE BY DESCRIPTION: _____	
W16-76 SHEET 9 OF 9		DRAWING NO. _____ PROJECT NO. _____ TITLE: _____			

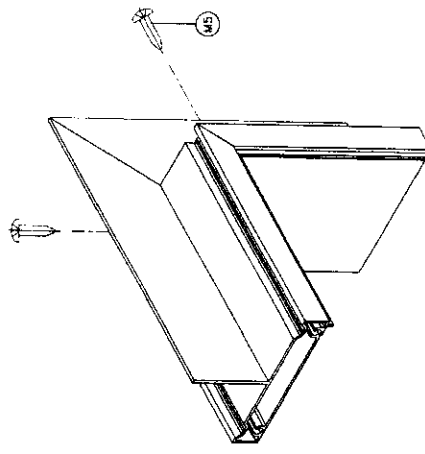


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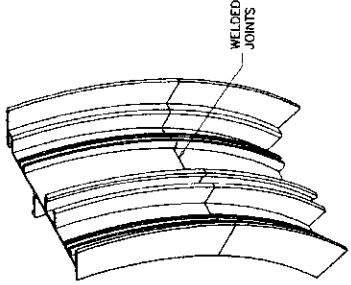
FL #21461



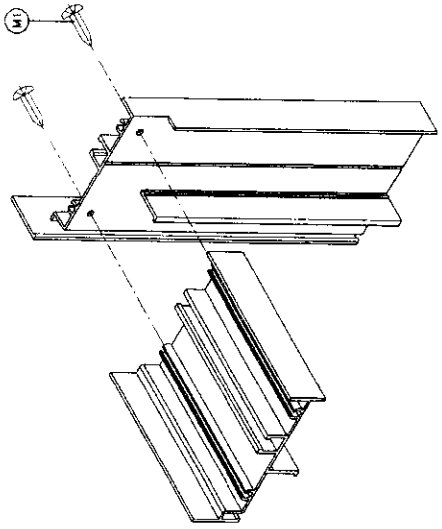
FLUSH FRAME ADAPTER CORNER



FIN FRAME ADAPTER CORNER



CIRCULAR WINDOWS



RECT. OR SQUARE WINDOWS