



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

ES Windows, LLC
3550 NW 49th Street
Miami, FL 33142

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "ES-EL300-9" Aluminum Outswing Door w/wo Sidelites - L.M.I.

APPROVAL DOCUMENT: Drawing No. W21-06D Rev A, titled "ES-EL300-9" Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 03/10/22 and last revised on 03/17/2022, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Baranquilla, Columbia, S.A.**, series, and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises # 19-0918.03 (spin-off) consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



Ishaq I. Chanda

NOA No. 22-0328.03
Expiration Date: January 04, 2028
Approval Date: May 26, 2022
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W21-06D Rev A**, titled "ES-EL300-9' Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 03/10/22 and last revised on 03/17/2022, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum outswing door, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-18-006**, dated 10/11/18, signed and sealed by Constantin Bortes, P.E. with Letter of Clarification dated 08/03/17 and 02/16/22 issued by Black Water Testing Lab.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 2020 (7th Edition)**, dated 05/17/22, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09 &-16**.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.21** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 02/08/23.

F. STATEMENTS

1. Statement letter of conformance to and **FBC-7th Edition (2020)** and of no financial interest dated 05/17/22, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. This NOA revises # **19-0918.03 (spin-off)**, expiring 01/04/28.
2. Distributor Agreement, signed by Carlos Garcia and by Evelyn Daes (Documents in various ES files).

____ *Ishaq I. Chanda*

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0328.03
Expiration Date: January 04, 2028
Approval Date: May 26, 2022

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0328.03
Expiration Date 01/04/2028
By Ishaq I. Chande
Miami-Dade Product Control

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

ES-EL300-9
ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS
WITH OR WITHOUT SIDELITES.
SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION) 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.

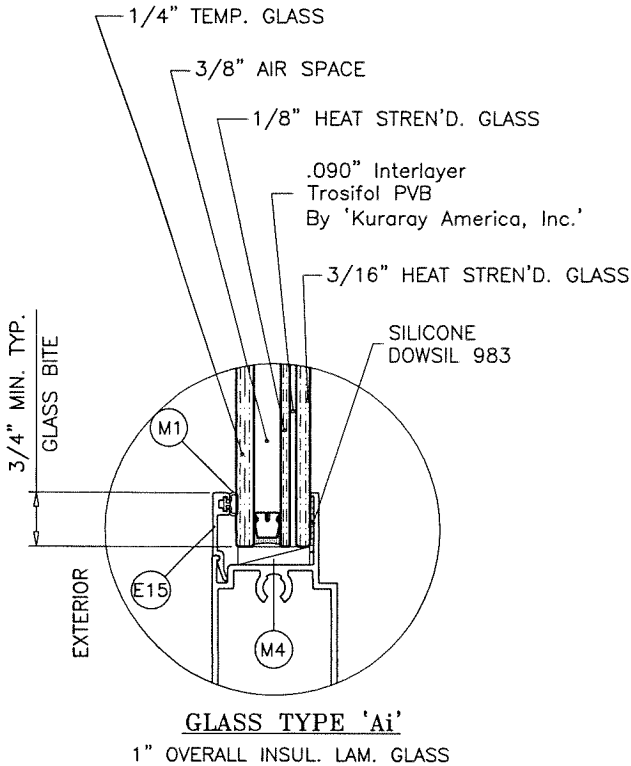
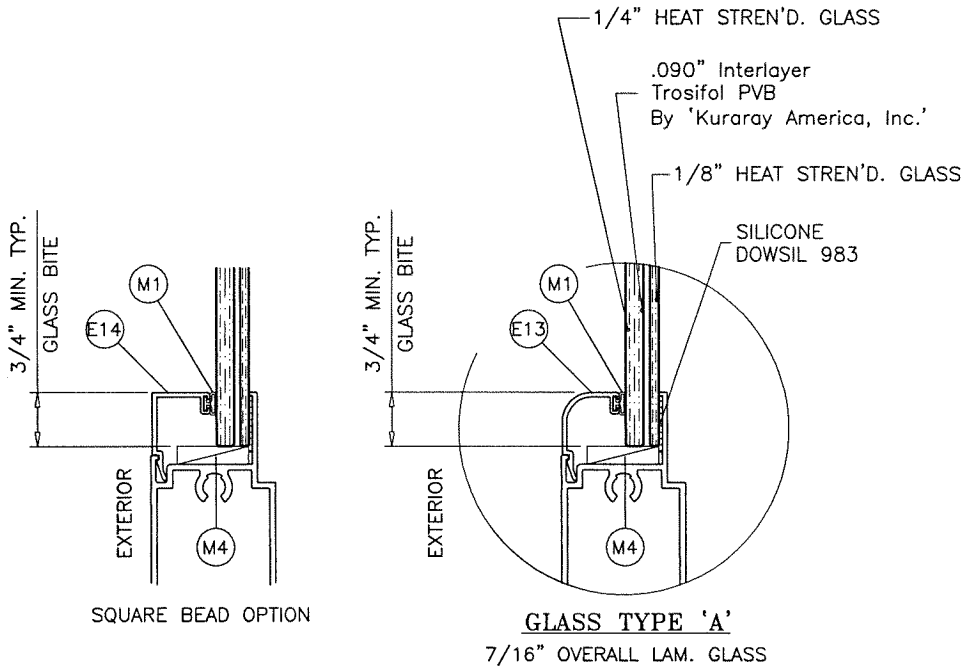
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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 2020 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 LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



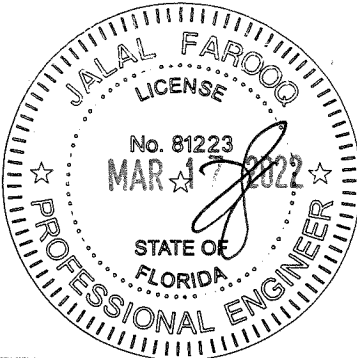
GLAZING OPTIONS

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES
SEE SHEET 2.
- STEP 3** FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 3.
- STEP 4** FOR SIDELITE COMBINATION WITH DOOR
SEE MULLION CAPACITY CHART ON SHEET 4.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3
AND 4 SHALL APPLY TO ENTIRE SYSTEM.



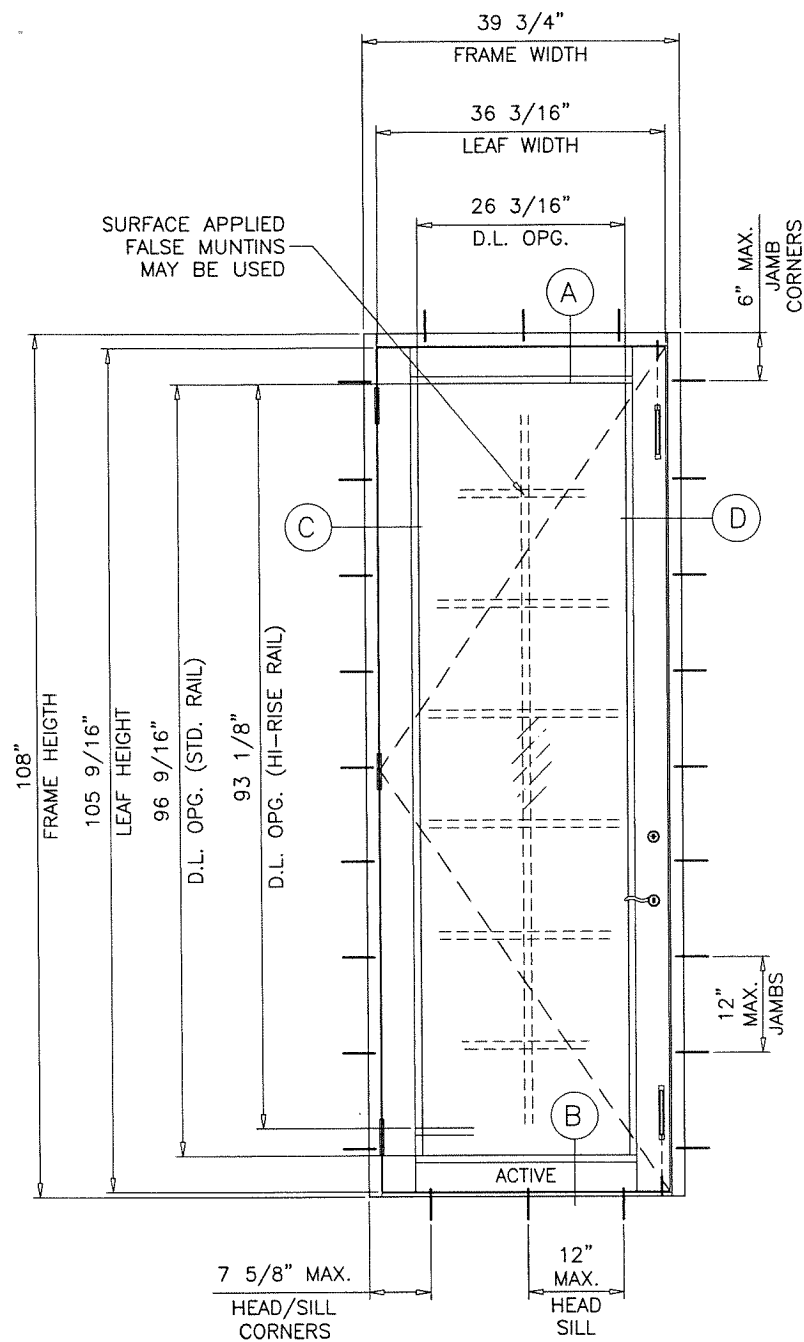
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)

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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date:		09-17-21			
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dr. by:		TARIO			
chk. by:					
drawing no.		21-06D			
sheet		1 of 12			

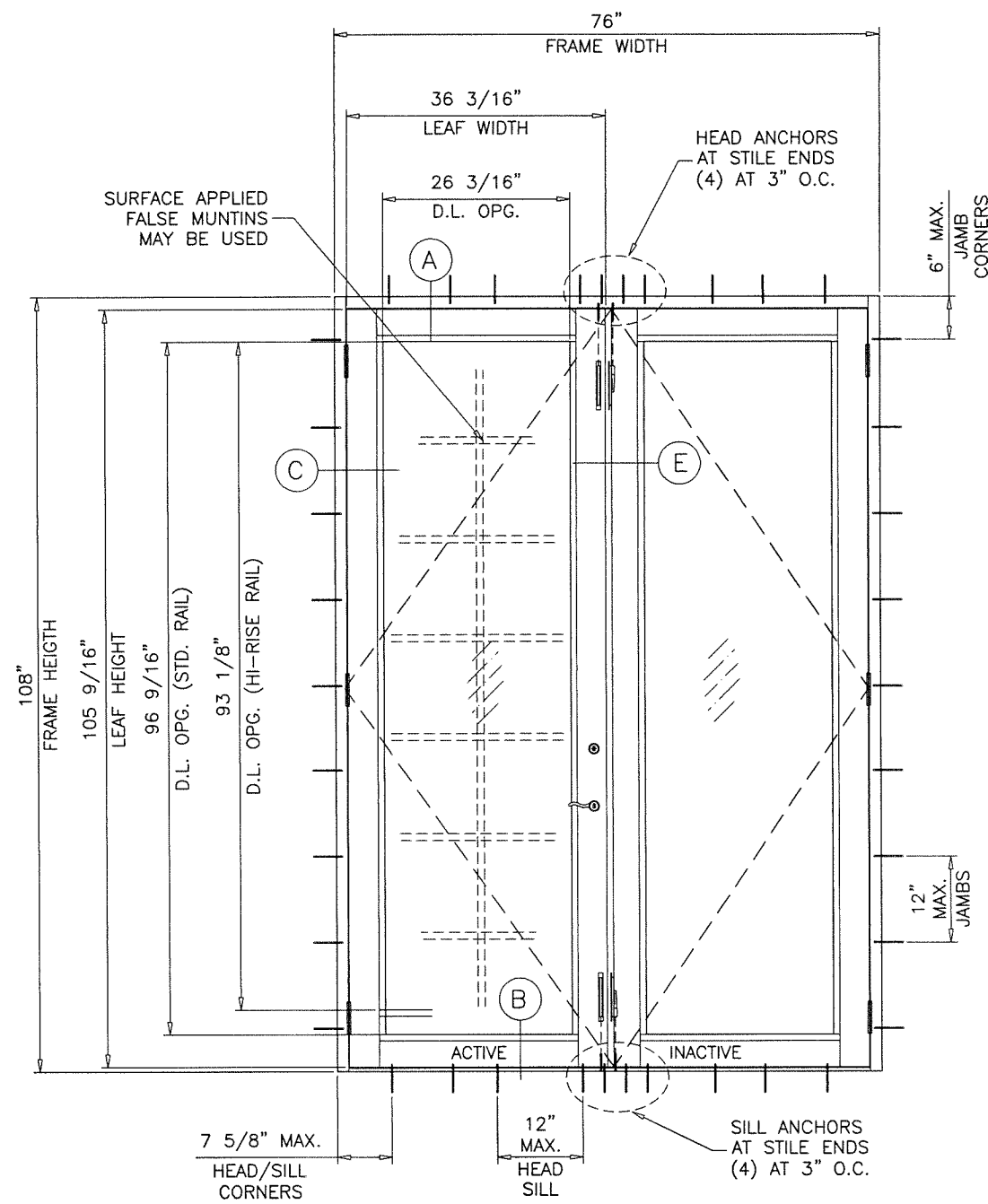
COMP-ANL\21-06D-ES



TYPICAL ELEVATION
(X)

SINGLE DOORS LOAD CAPACITY - PSF					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
39-3/4"	108"	36-3/16"	105-9/16"	80.0	80.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

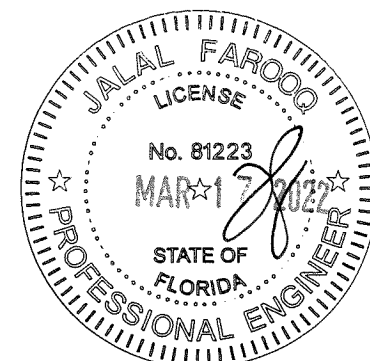


TYPICAL ELEVATION
(XX)

DOUBLE DOORS LOAD CAPACITY - PSF					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
76"	108"	36-3/16"	105-9/16"	80.0	80.0

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 13.563" (X DOORS)
= (FRAME WIDTH - 23.625")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 11.438" (STD. BOT. RAIL)
= FRAME HEIGHT - 14.875" (HI-RISE BOT. RAIL)

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0328.03
Expiration Date 01/04/2028
By Isheq I. Chande
Miami-Dade Product Control

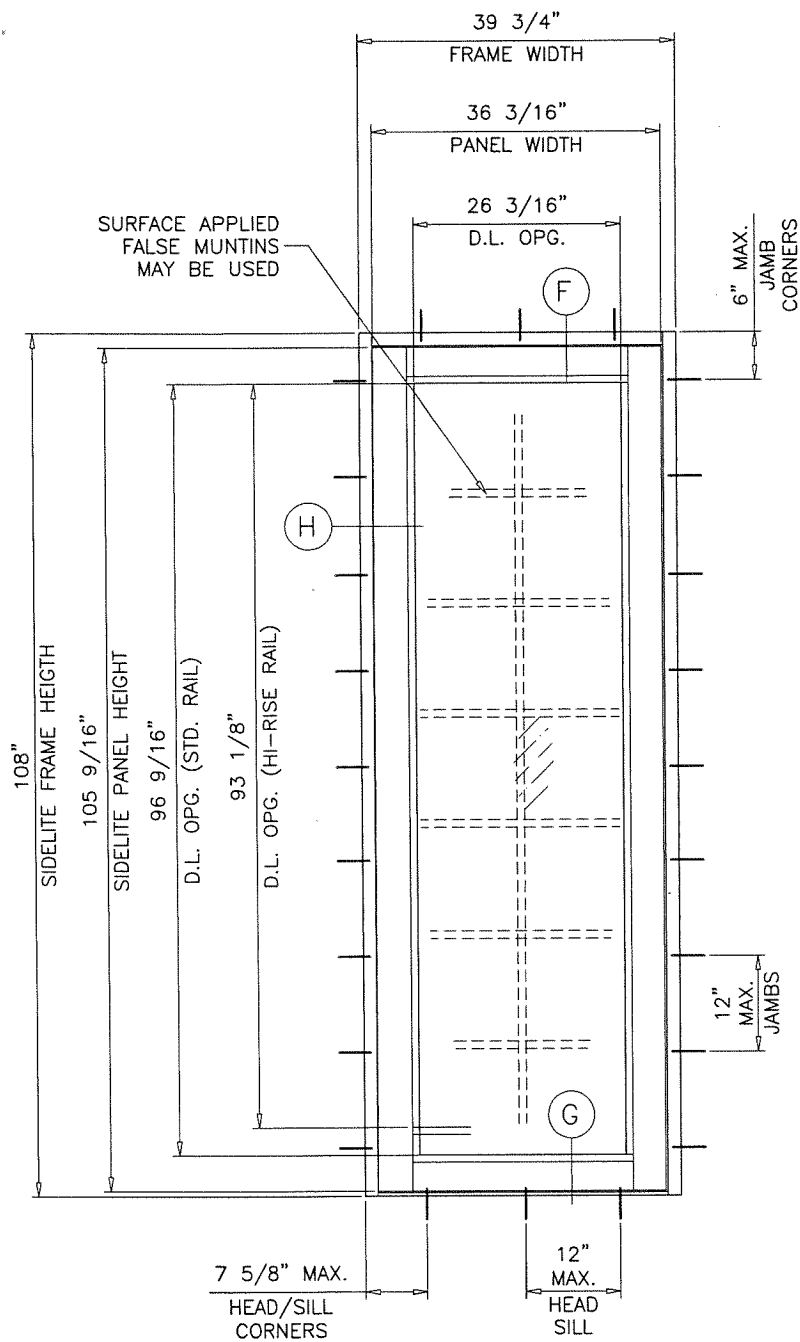


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

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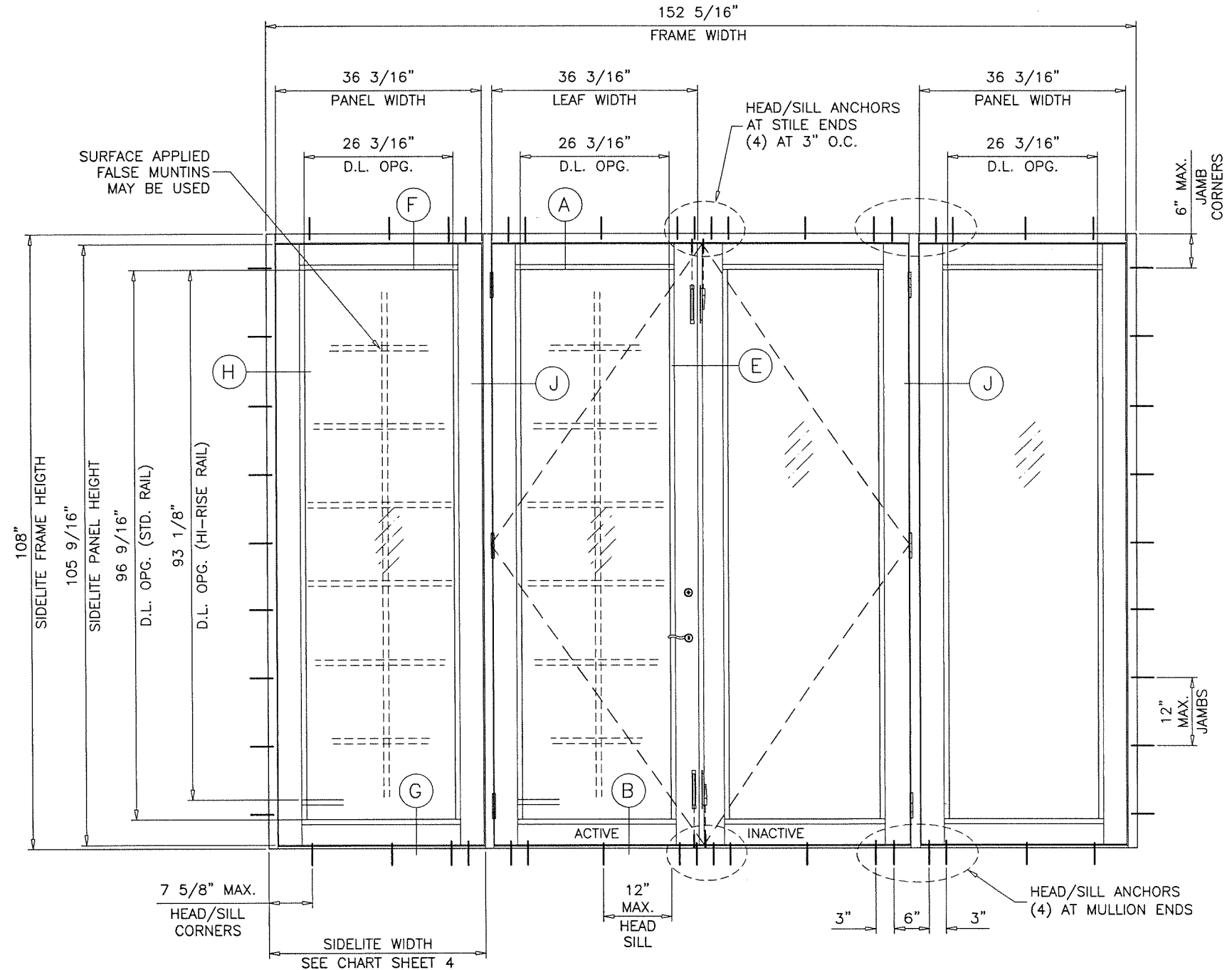
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TYPICAL ELEVATION
(O)

SIDELITE LOAD CAPACITY - PSF OR STAND ALONE STATIONARY PANEL (O)					
FRAME		PANEL		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
39-3/4"	108"	36-3/16"	105-9/16"	80.0	80.0

SIDELITE WIDTH = FRAME WIDTH - 1-5/8"
(SEE CHART ON SHEET 4)

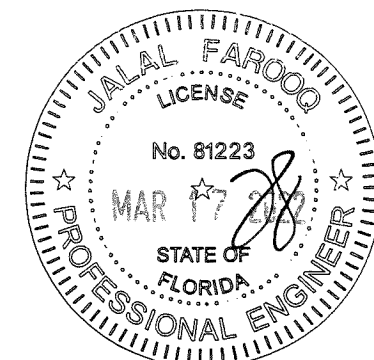


TYPICAL ELEVATION
(O-XX-O)

NOTE:
THE FRAME AREA OF ALTERNATE SIZE MUST NOT
EXCEED TESTED FRAME AREA = 98.7 SQ. FT.

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Miami-Dade Product Control

D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.438" (STD. BOT. RAIL)
= FRAME HEIGHT - 14.875" (HI-RISE BOT. RAIL)
D.L.O. WIDTH (SIDE LITE) = FRAME WIDTH - 13.563"



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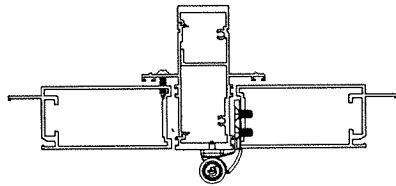
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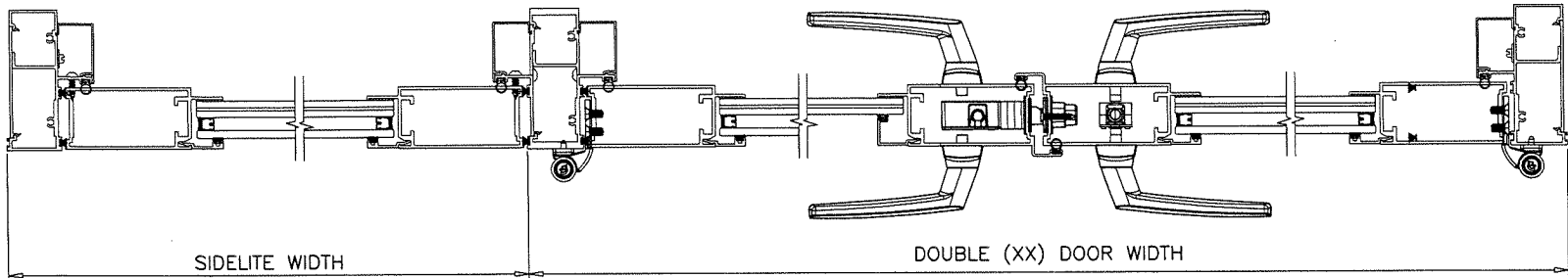
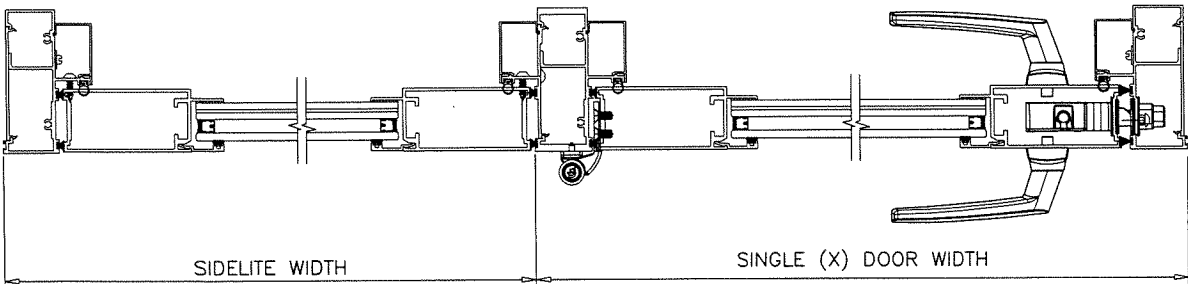
sheet 3 of 12

DESIGN LOAD CAPACITY - PSF DOOR TO SIDELITE MULLION		
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
18	84	80.0
24		80.0
30		80.0
38		80.0
42		80.0
18	90	80.0
24		80.0
30		80.0
38		80.0
42		80.0
18	96	80.0
24		80.0
30		80.0
38		76.8
42		73.0
18	108	73.2
24		66.2
30		60.3
38		54.0

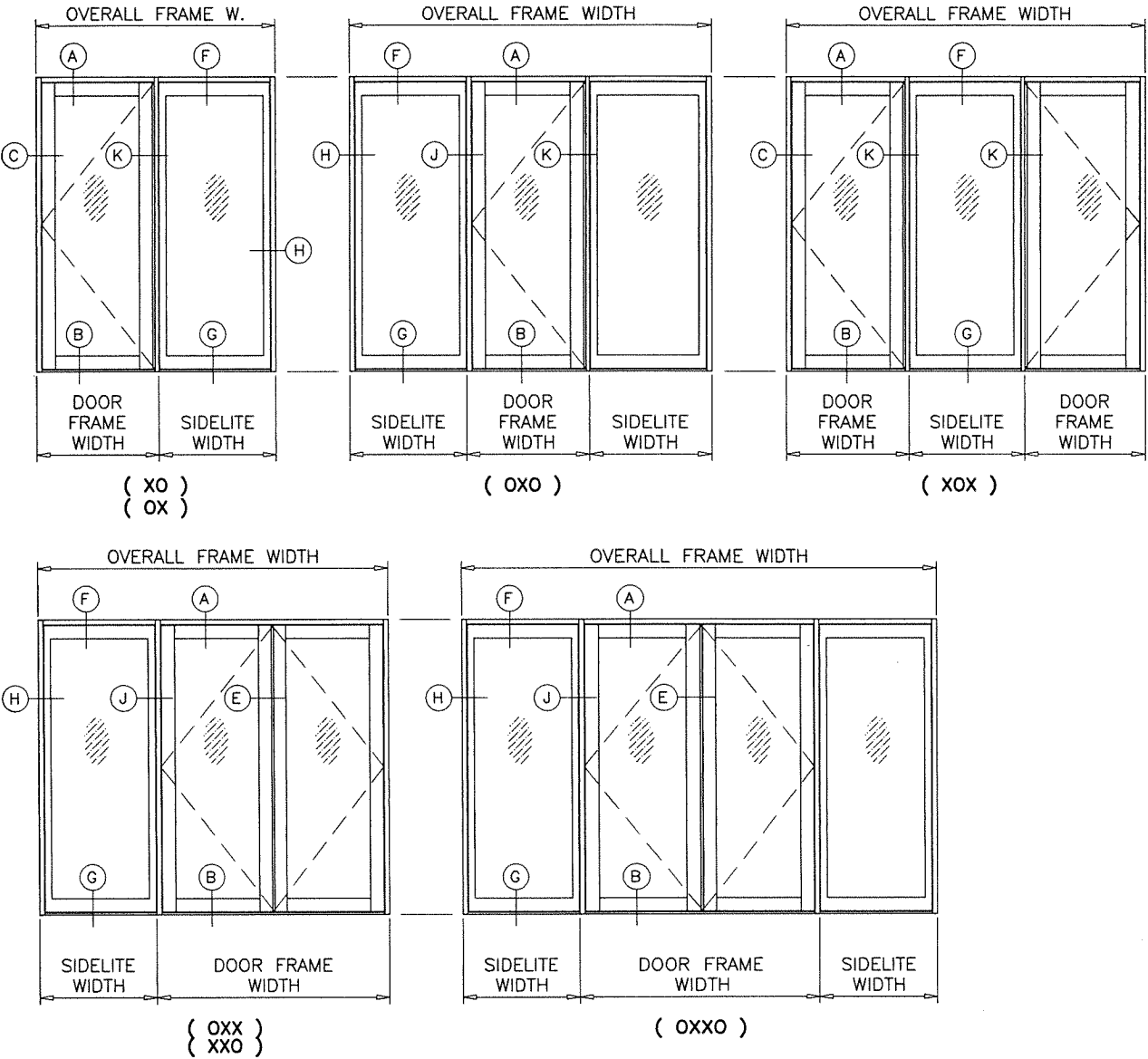


DOOR TO SIDELITE MULLION

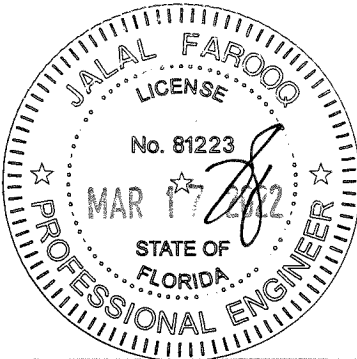
NOTE:
FOR DOORS CAPACITY SEE SHEET 2
FOR SIDELITE CAPACITIES SEE SHEET 3.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE
LOWER VALUES FROM DOORS, SIDELITE OR DOOR/SIDELITE
MULLION CHART WILL APPLY TO ENTIRE SYSTEM.



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Miami-Dade Product Control



APPROVED CONFIGURATIONS



af c
AL-FAROOQ CORPORATION
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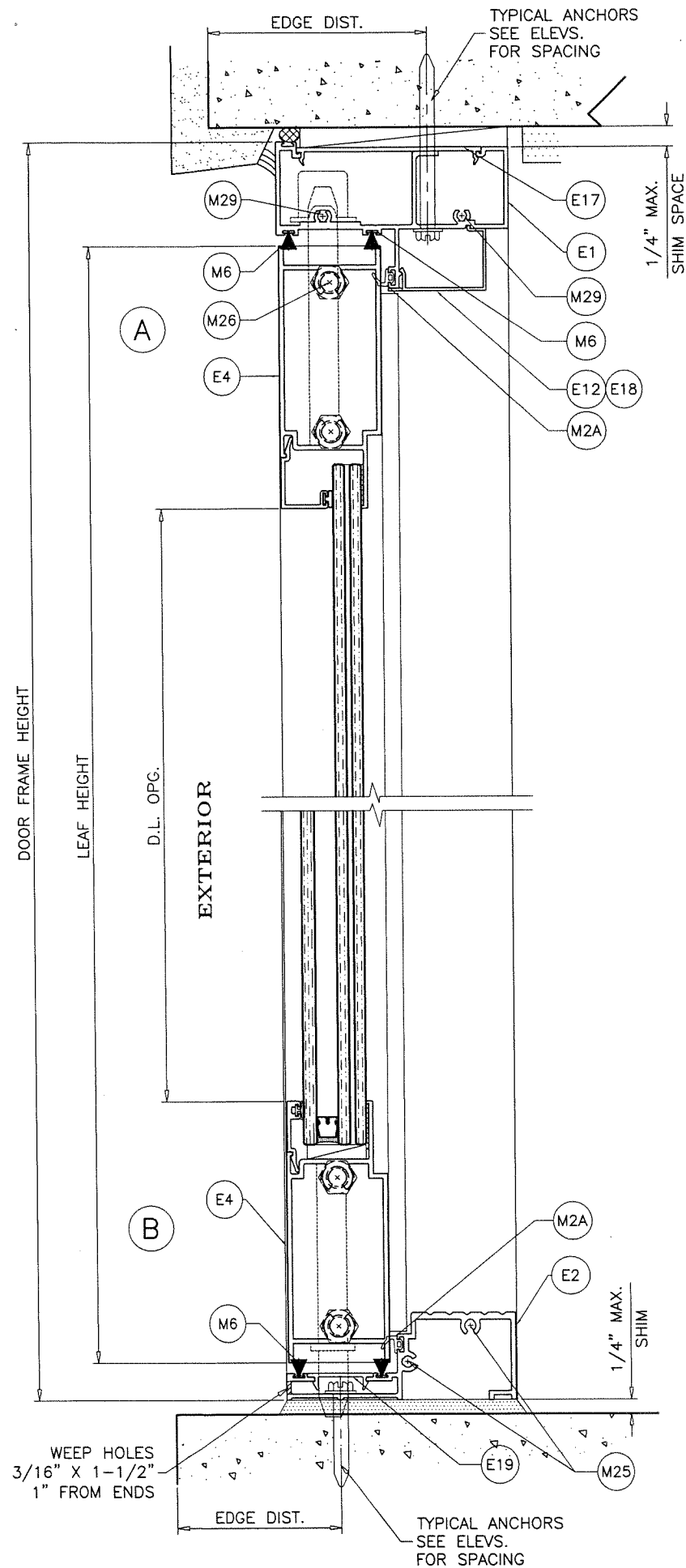
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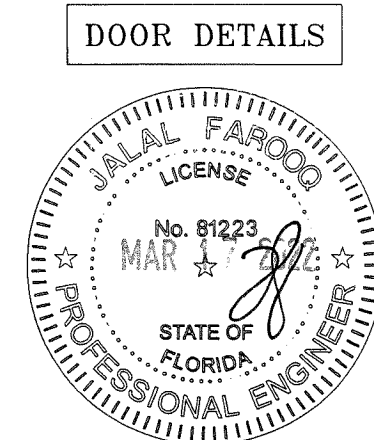
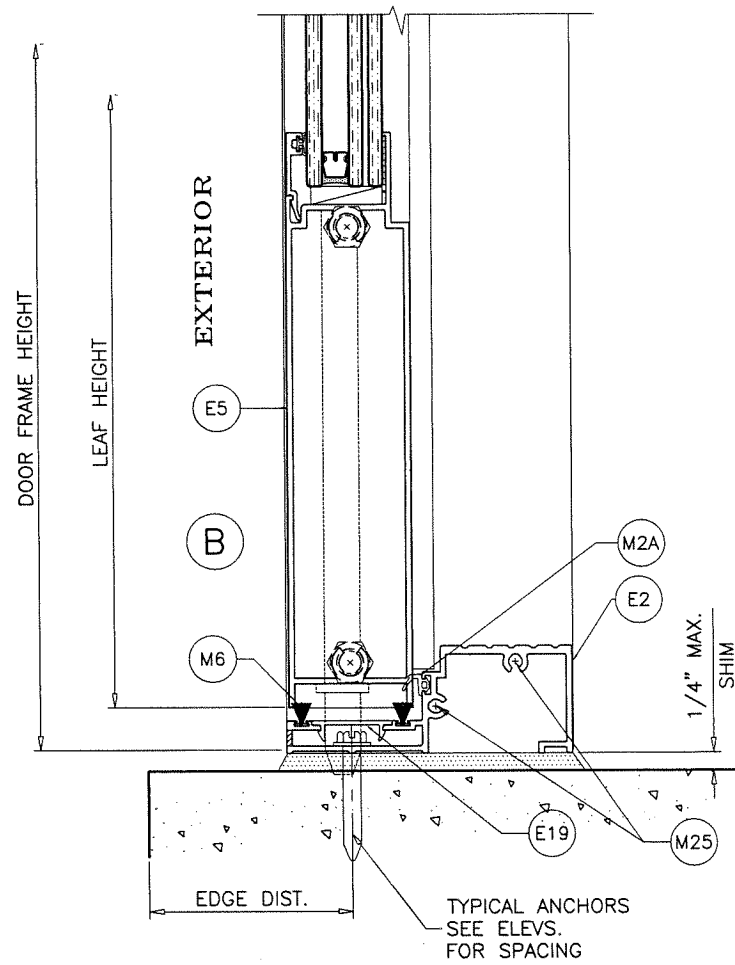
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chk. by:

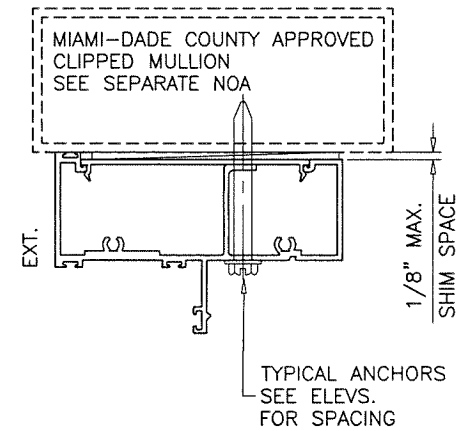
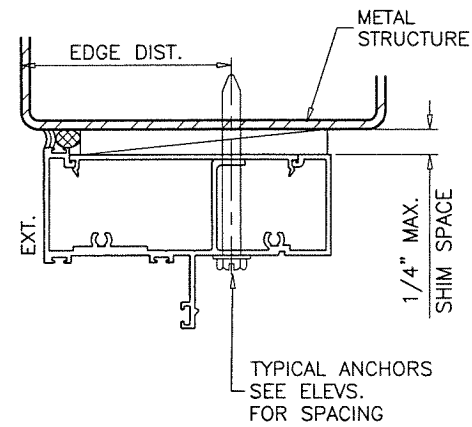
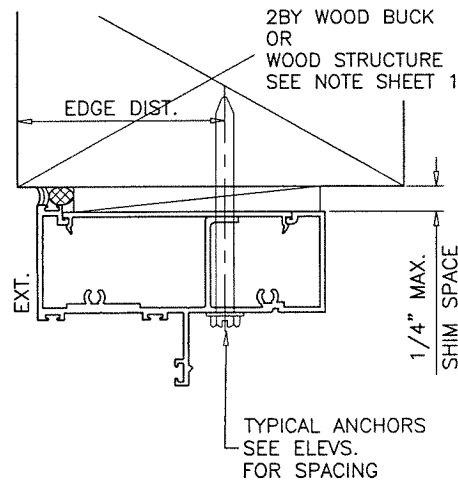
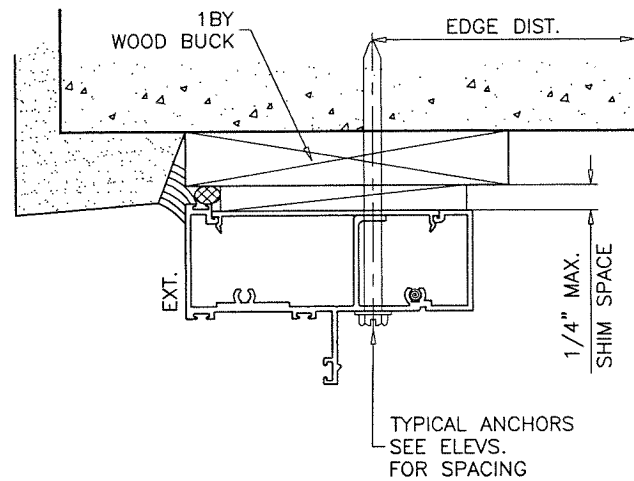
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21-06D
sheet 4 of 12



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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. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

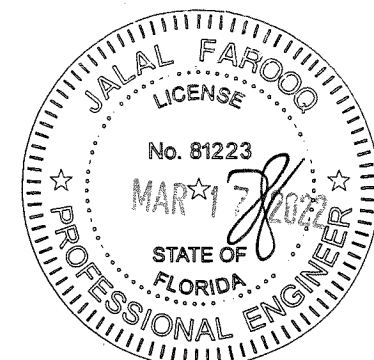
1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

DOOR DETAILS



ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)

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ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

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COMP-ANL\21-06D-ES

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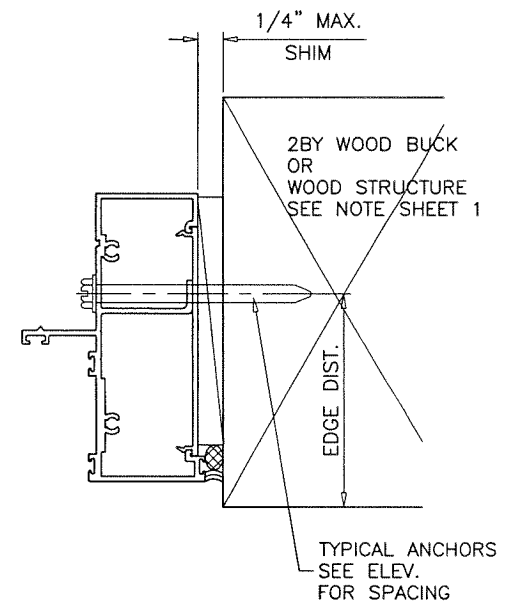
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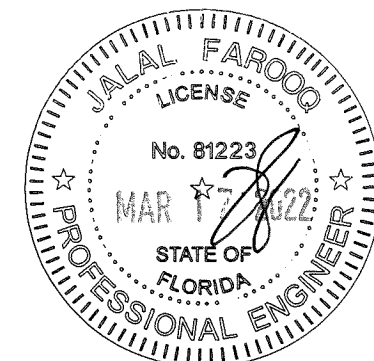
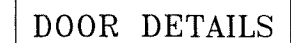
drawing no.


21-06D

sheet 6 of 12

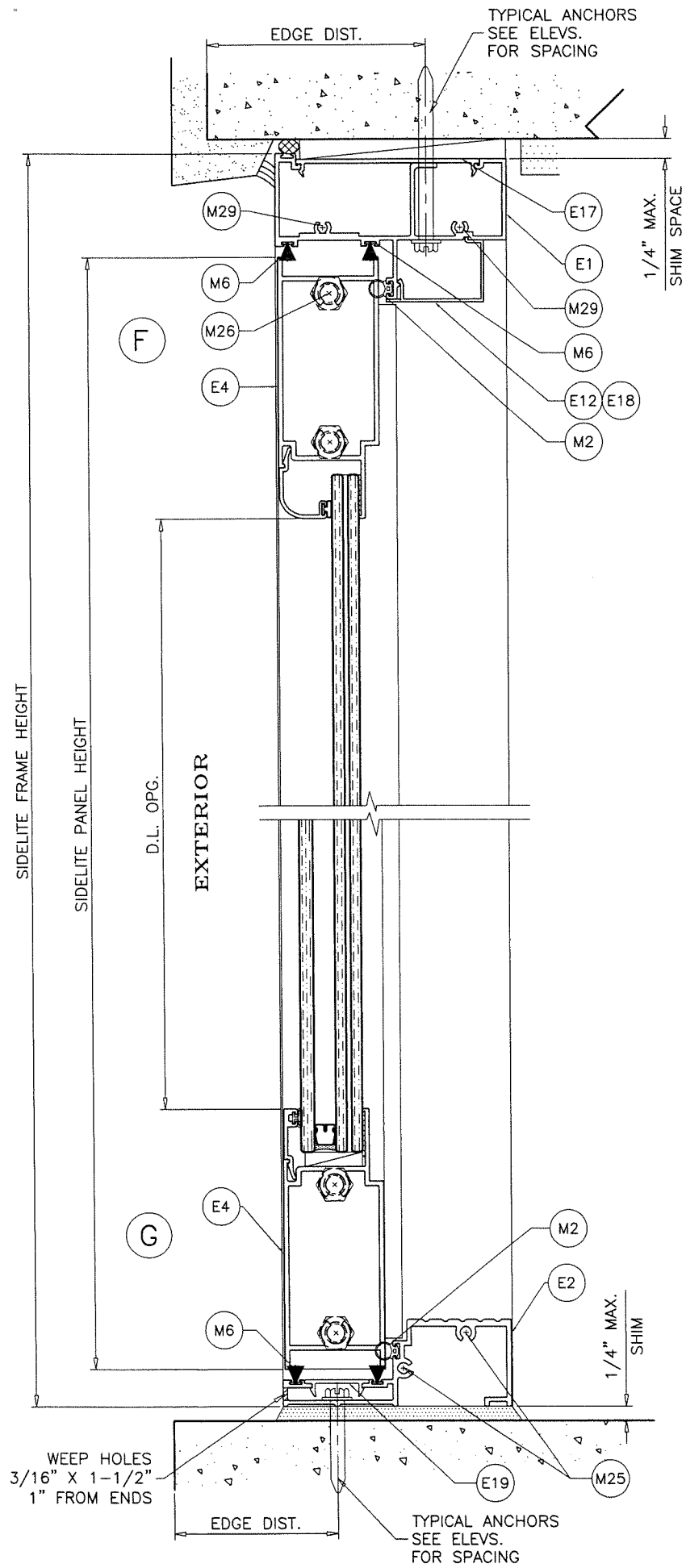


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Miami-Dade Product Control

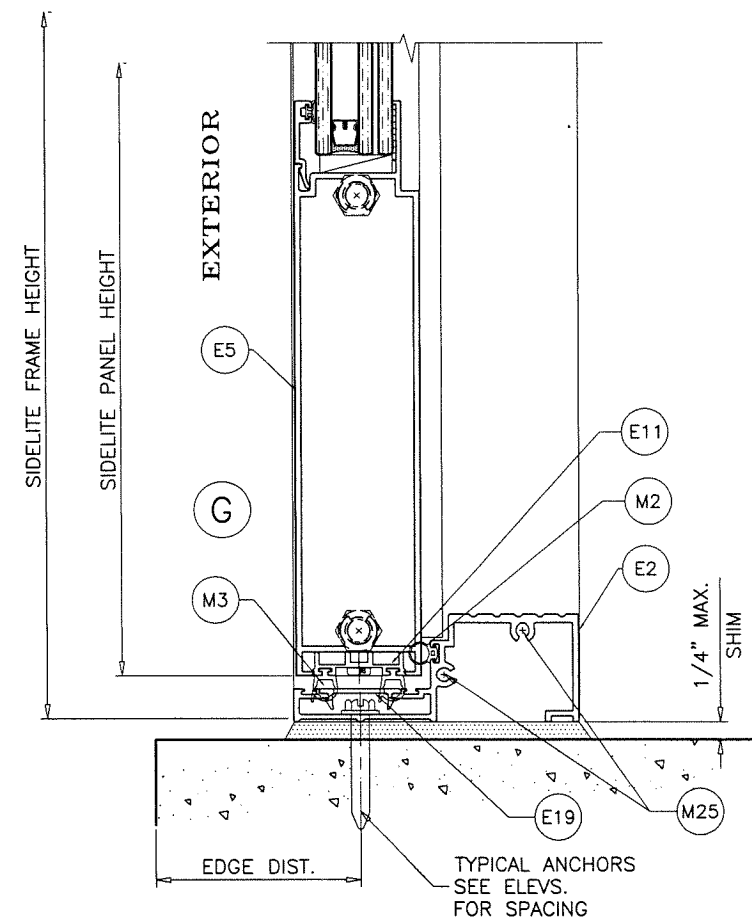


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ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)		E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158	
revisions:			
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sheet		7 of 12	

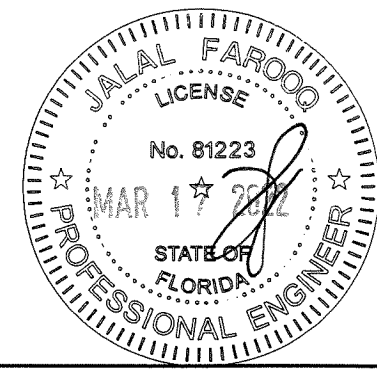
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SIDELITE DETAILS



AL-FAROOQ CORPORATION
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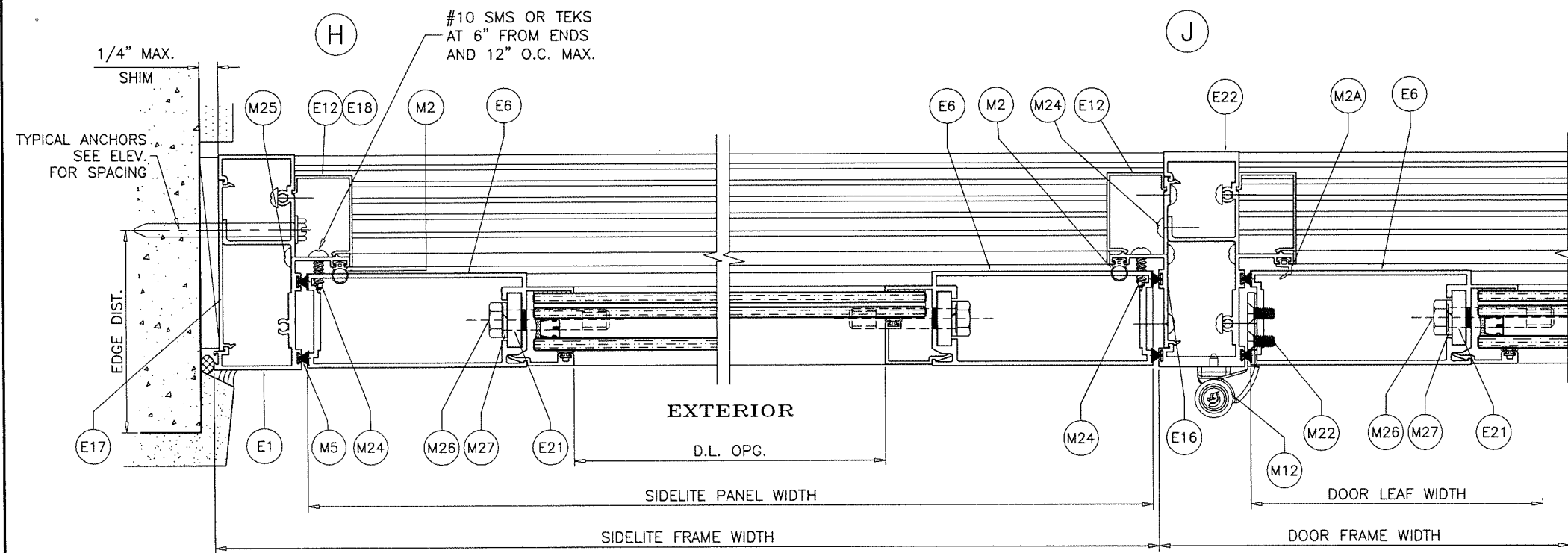
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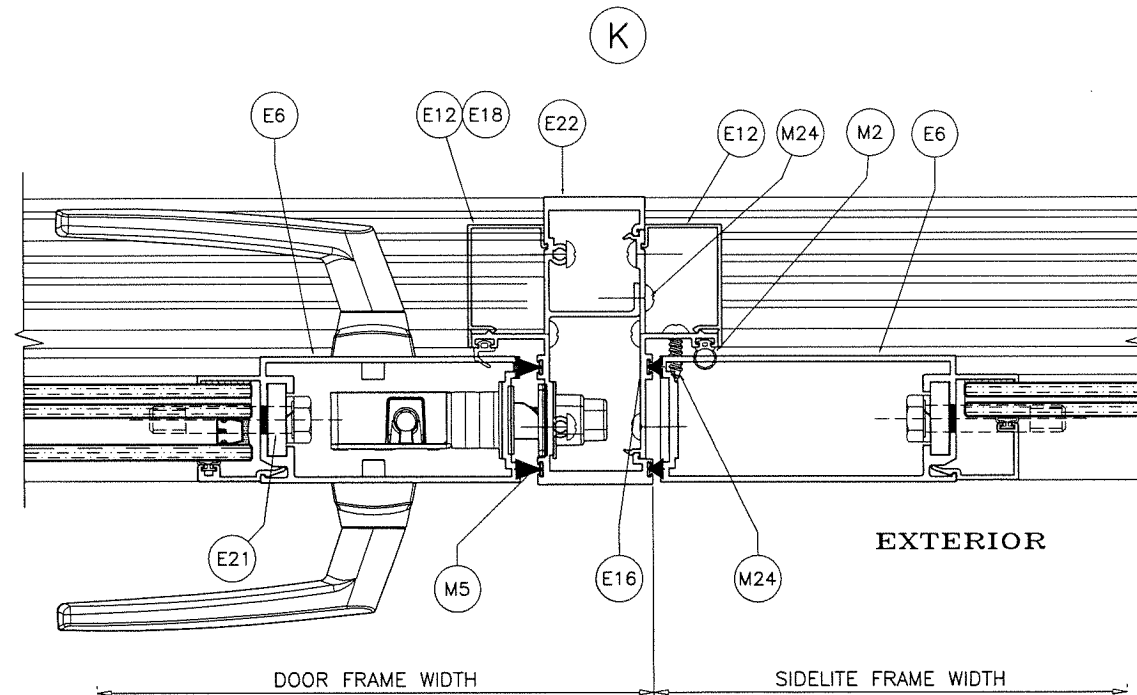
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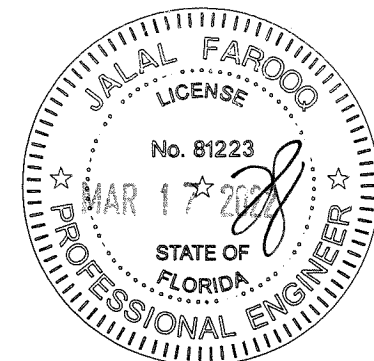
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sheet 9 of 12

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-EL300-001	3	FRAME HEAD/JAMB	6063-T6	-
E2	ES-EL300-002	1	FRAME SILL (STD.)	6063-T6	-
E4	ES-EL300-004	2/ LEAF	TOP AND BOTTOM RAIL	6063-T6	-
E5	ES-EL300-005	1/ LEAF	HI-RISE BOTTOM RAIL	6063-T6	-
E6	ES-EL300-020	1/ LEAF	JAMB STILE	6063-T6	-
E9	ES-EL300-021	1	ASTRAGAL STILE (ACTIVE)	6063-T6	-
E10	ES-EL300-022	1	ASTRAGAL STILE (INACTIVE)	6063-T6	-
E12	ES-EL300-012	1	FRAME COVER	6063-T5	-
E13	ES-EL300-013	4/ LEAF	GLASS STOP (LAM. GLASS)	6063-T5	-
E14	ES-EL300-014	4/ LEAF	GLASS STOP (LAM. GLASS)	6063-T5	-
E15	ES-EL300-015	4/ LEAF	GLASS STOP (INSUL. LAM. GLASS)	6063-T5	-
E16	ES-EL300-016	AS REQD.	SNAP IN FILLER	6063-T6	-
E17	ES-EL300-017	AS REQD.	EXTERIOR TRIM	6063-T6	-
E18	ES-EL300-018	AS REQD.	FRAME COVER	6063-T5	-
E19	ES-EL300-019	1	COVER STD. SILL	6063-T6	-
E21	ACC-PL-020	1	BACK UP PLATE	6063-T6	-
E22	ES-EL300-026	1	MULLION	6063-T6	-
M1	ES-5008A	AS REQD.	GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M2	ES-P251-G05A	AS REQD.	SIDELITE GASKET	SILICONE	DUROMETER 70±5 SHORE A
M2A	ES-EL300-G01	AS REQD.	DOOR LEAF GASKET	SILICONE	DUROMETER 65±5 SHORE A
M4	ES-21-B04A	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
M5	W23221NG	AS REQD.	PILE W'STRIPPING	POLYPROPYLENE	-
M6	W23221NK	AS REQD.	PILE W'STRIPPING	POLYPROPYLENE	-
M7	W23381NK	AS REQD.	PILE W'STRIPPING	POLYPROPYLENE	-
M12	DH01-6005	4/ LEAF	ATHENA HINGE	-	-
M22	#12-24 X 1/2"	-	HINGE FASTENERS	ST/ST	FH SMS
M24	#10 X 3/4"	-	FIX. PANEL FASTENERS, AT 6" FROM ENDS & 12" O.C.	ST/ST	PH SMS
M25	#12 X 1-3/4"	-	FRAME ASSEMBLY FASTENERS	ST/ST	PH SMS
M26	3/8-16 X 2"	-	LEAF/PANEL ASSEMBLY FASTENERS	ST/ST	HEX CAP FULL THREAD 18-8
M27	-	-	3/8" WASHER	ST/ST	HEX CAP FULL THREAD 18-8
M29	#10 X 1-3/4"	AS REQD.	HEAD ASSEMBLY FASTENERS	ST/ST	PH SMS

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LOCKS:

ACTIVE LEAF:

CONVENTIONAL DOOR LOCKSET WITH HANDLE
BY 'BALDWIN' LOCATED AT 37" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR THROW BOLT LOCATED AT 45" FROM BOTTOM

CONCEALED FLUSH BOLTS FB-1202 BY 'SULLIVAN & ASSOCIATES'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE
LOCATED AT 12" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

INACTIVE LEAF:

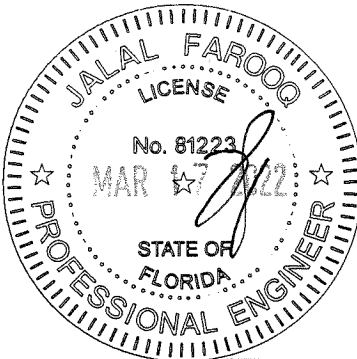
CONCEALED FLUSH BOLTS FB-1202 BY 'SULLIVAN & ASSOCIATES'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 12" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

HINGES:

STAINLESS STEEL ATHENA HINGES BY 'SECURISTYLE'
FASTENED WITH 12-24 X 1/2" FH MACHINE SCREWS
FOUR PER HASP(LEAF).
TOP HINGES AT 9" FROM TOP
BOTTOM HINGES AT 7-1/2" FROM BOTTOM
(1) HINGE AT MIDSPAN

SEALANTS:

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED
WITH DOWSIL 791 SILICONE.



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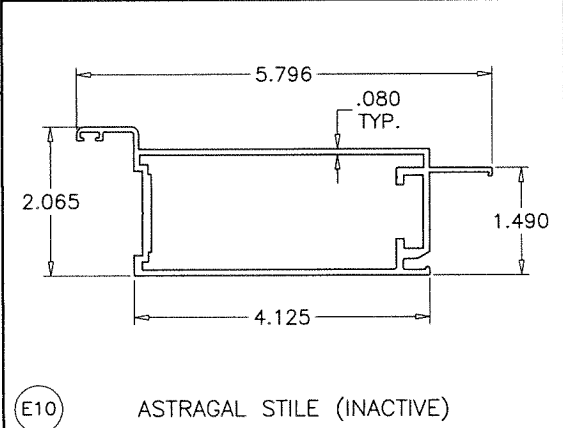
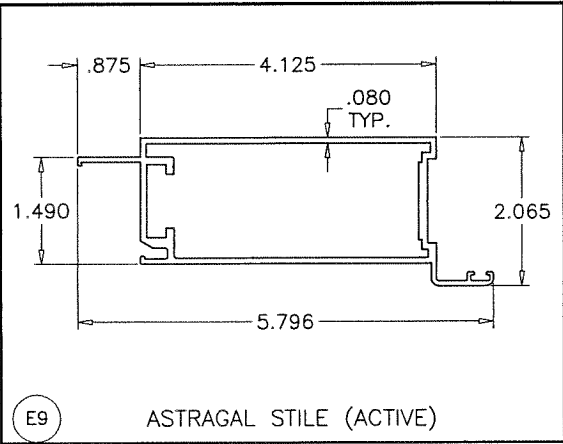
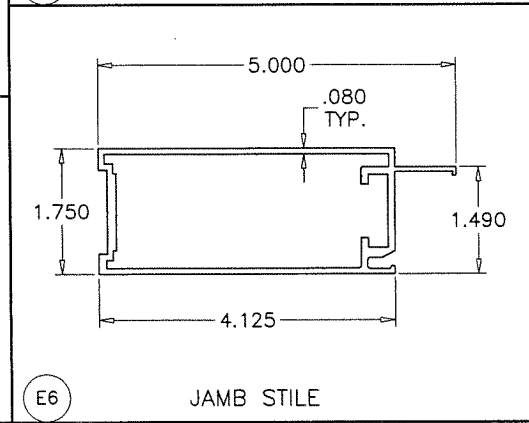
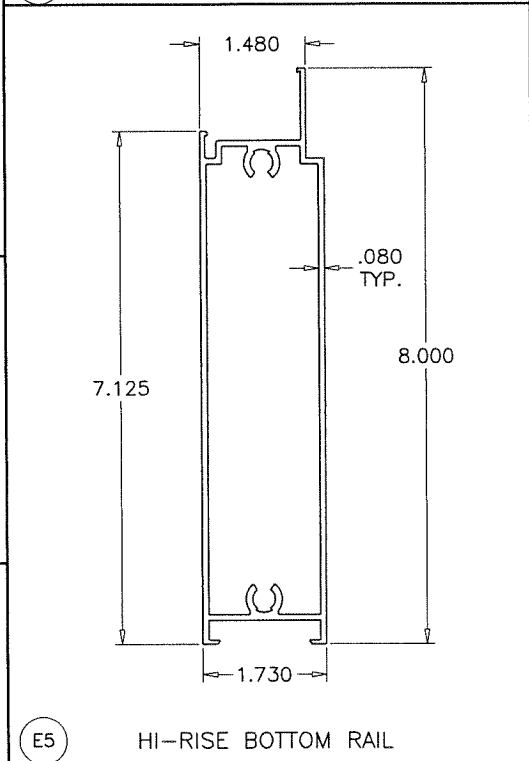
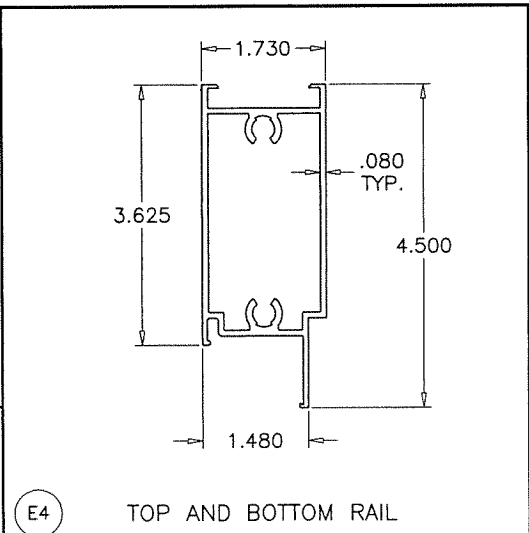
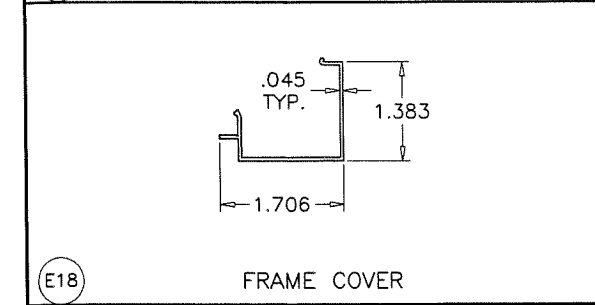
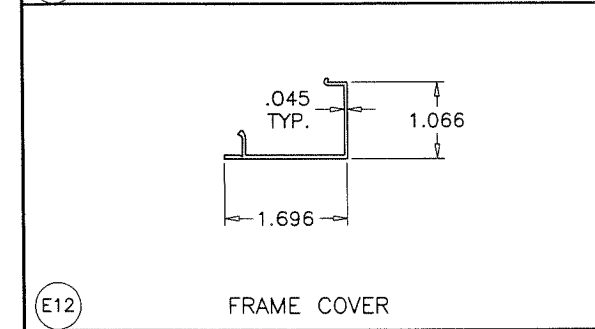
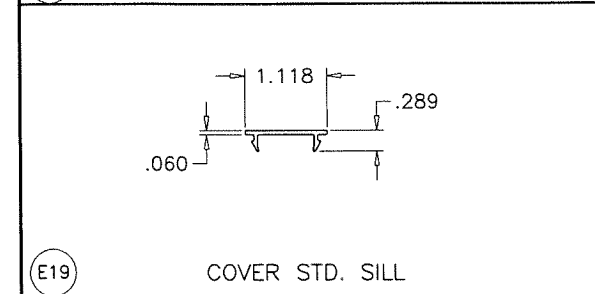
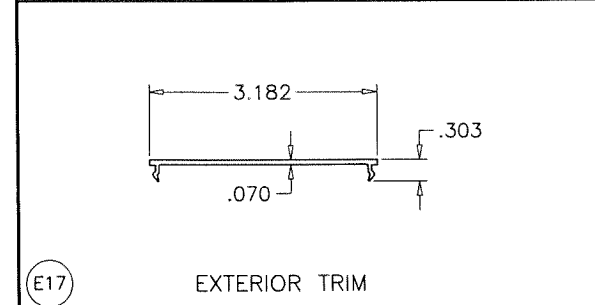
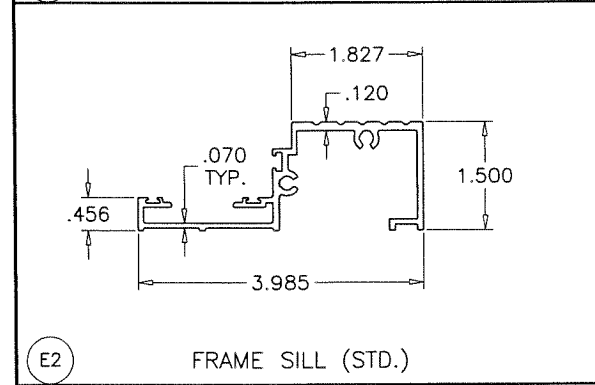
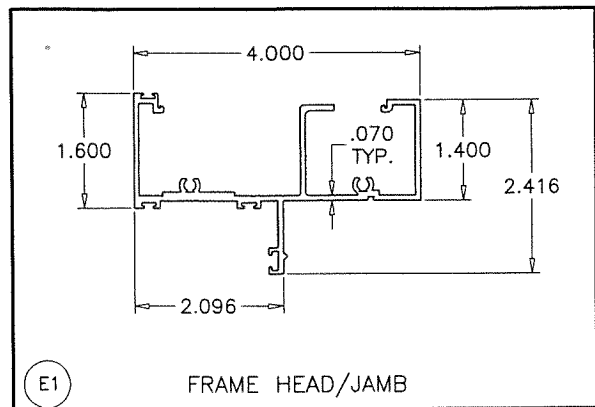
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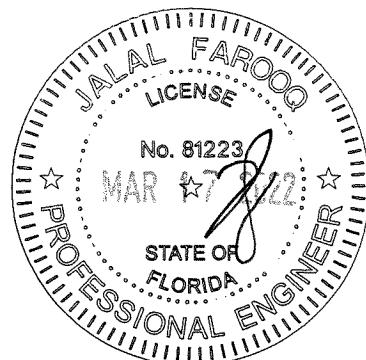
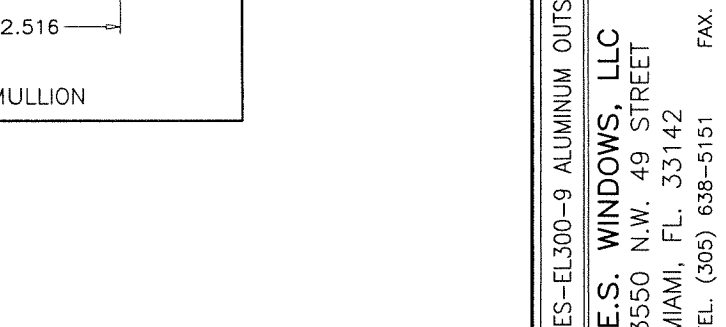
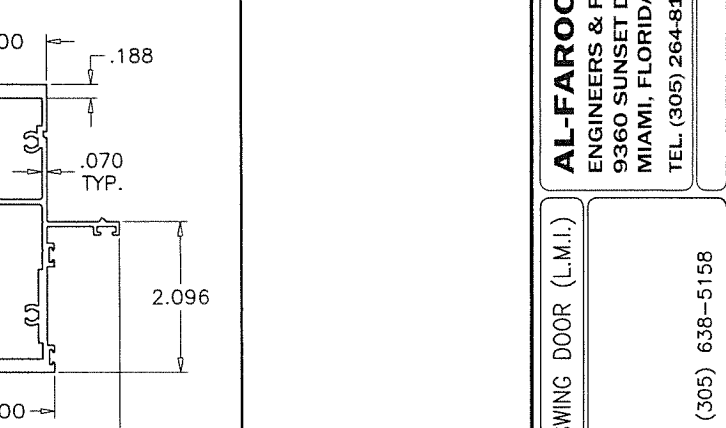
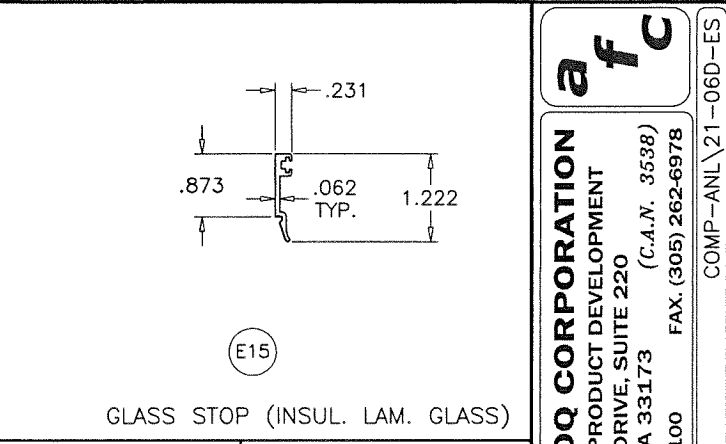
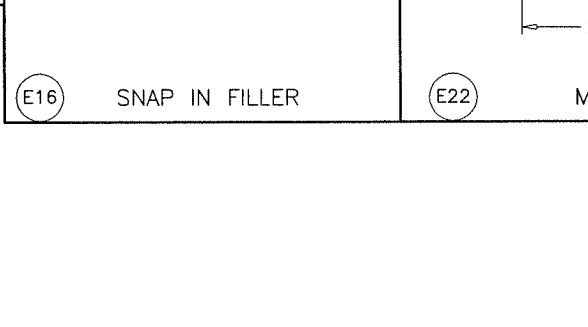
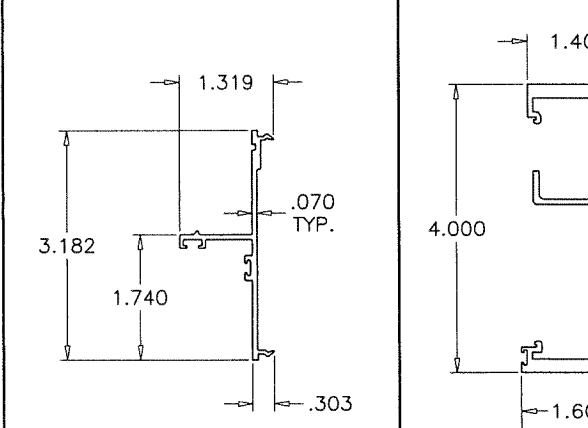
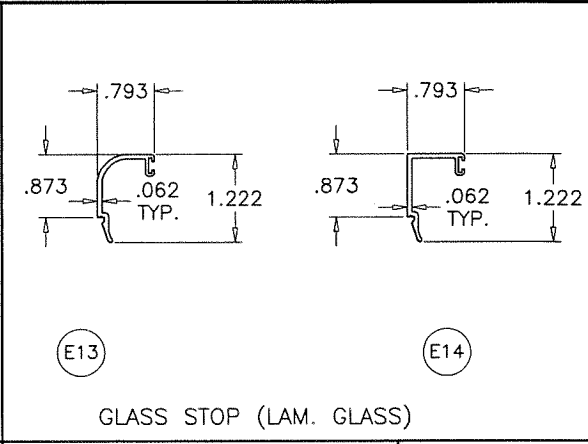
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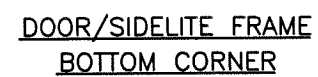
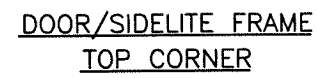
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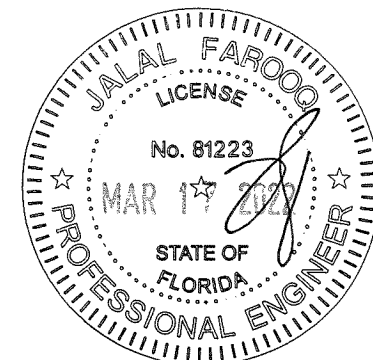
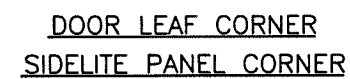
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