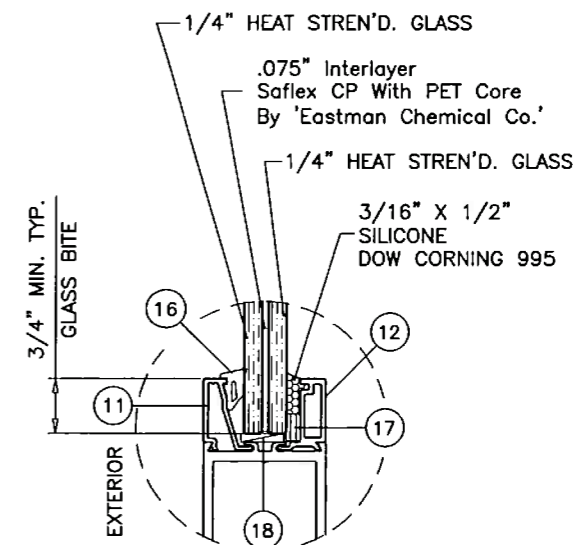


GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

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

SERIES ENV 330
ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS CAPACITY SEE SHEET 2.
TRIPLE (XXX) LEAF DOORS CAPACITY SEE SHEET 3.
QUADRUPLE (XXXX) LEAF DOORS CAPACITY SEE SHEET 4.

DOORS NOT APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH 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 2014/2017 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.

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.

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

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 ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

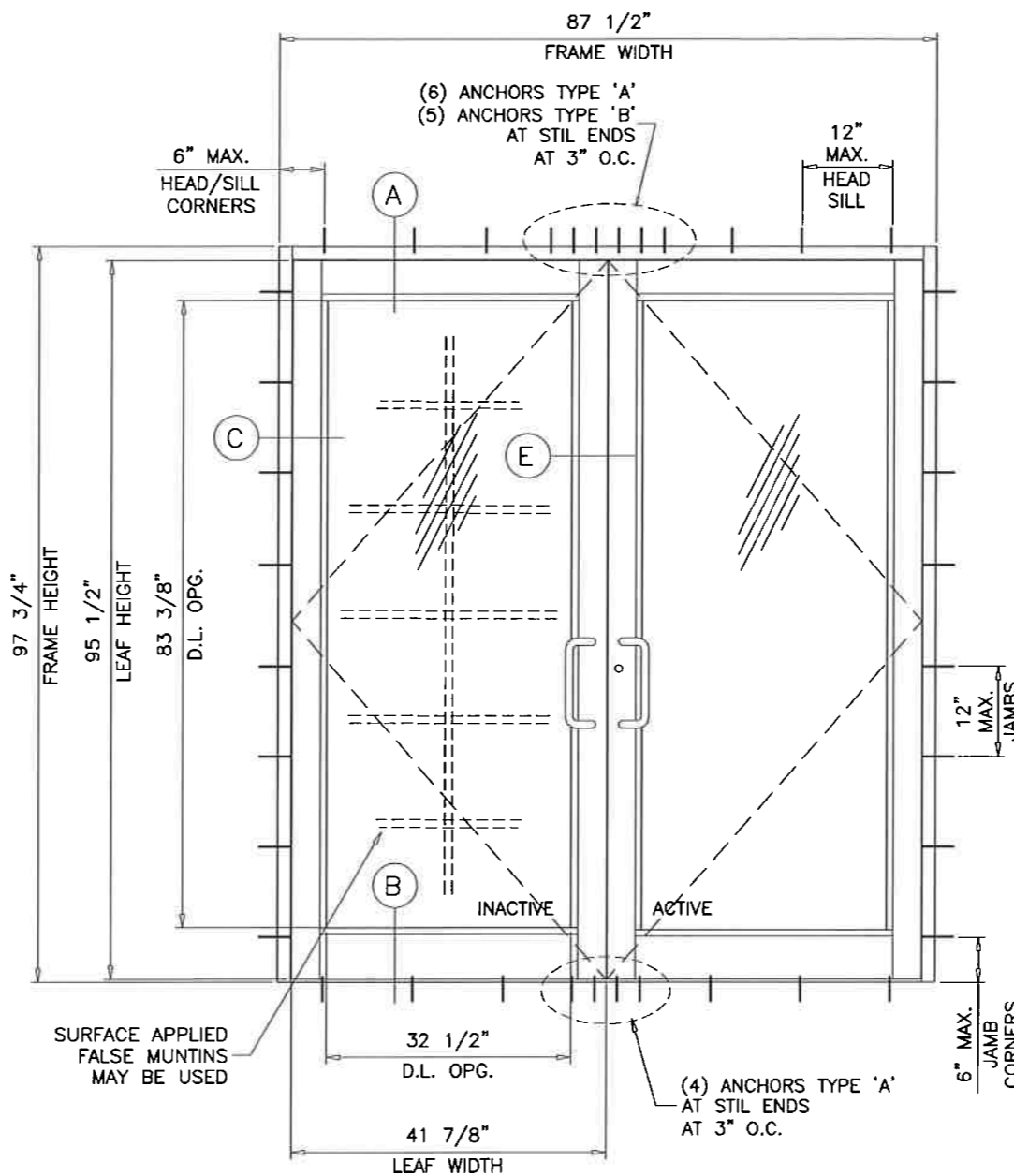
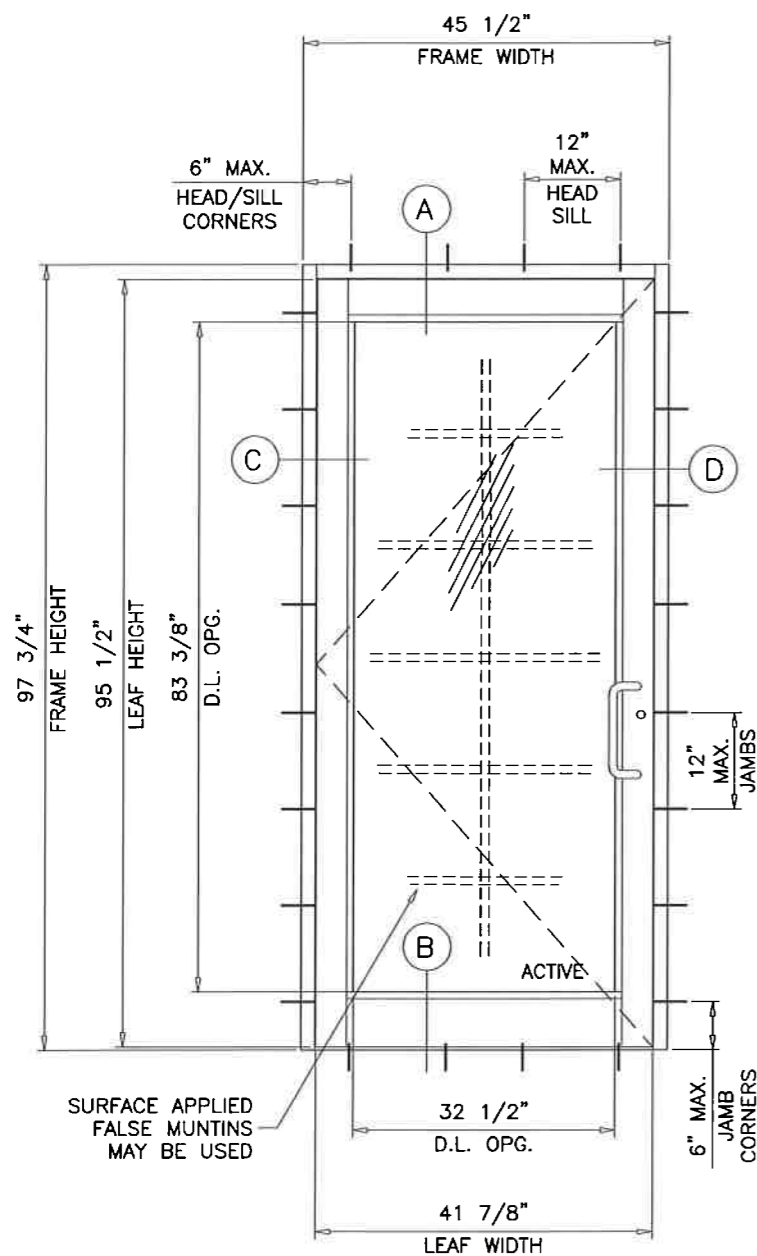
Sealed: 08/10/2017
FL #22257



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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
COMP-ANL\W17-24ENV

SERIES ENV 330 ALUMINUM OUTSWING DOOR (L.M.I.)
ENVIRALUM INDUSTRIES INC.
5100 N.W. 72 AVENUE BLDG. C
MIAMI, FL. 33166
TEL. (305) 752-4411 FAX. (305) 406-3877

revisions:	no.	date	by	description
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date:	03-03-17			
scale:	3/8" = 1"			
dr. by:	TARIQ			
chk. by:				
drawing no.	W17-24			
sheet	1 of 10			



TYPICAL ELEVATIONS

SINGLE (X) DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
45-1/2"	97-3/4"	60.0	60.0	90.0	90.0

FOR GEAR HINGES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

DOUBLE (XX) DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
87-1/2"	97-3/4"	60.0	60.0	90.0	90.0

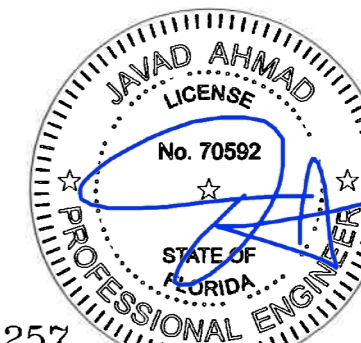
FOR GEAR HINGES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

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

D.L.O. WIDTH = FRAME WIDTH - 13.00" (X DOORS)
 = (FRAME WIDTH - 22.50")/2 (XX DOORS)

D.L.O. HEIGHT = FRAME HEIGHT - 14.375"

DOOR LEAF HEIGHT = FRAME HEIGHT - 2.250"



FL #22257

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SERIES ENV 330 ALUMINUM OUTSWING DOOR (L.M.I.)

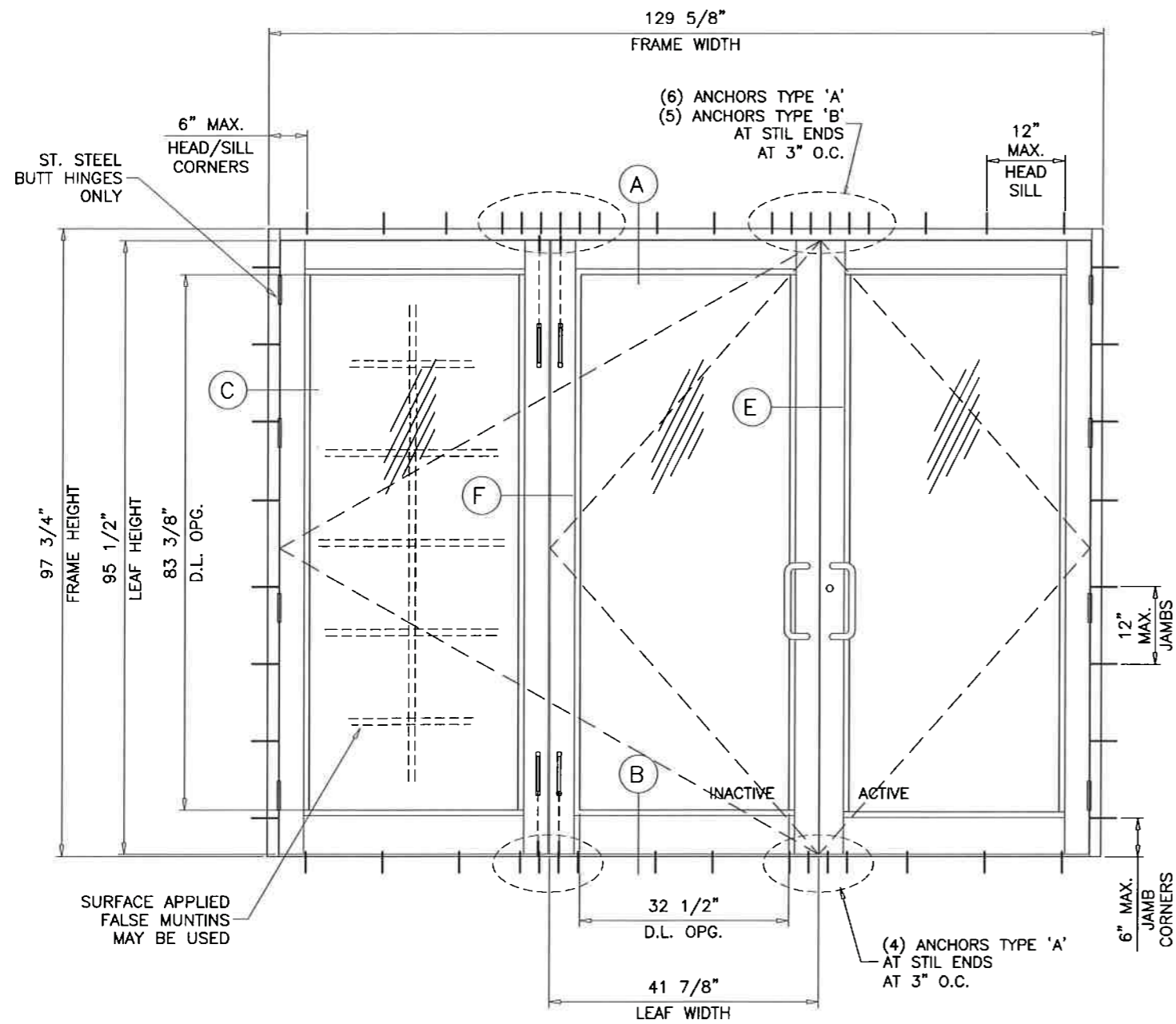
ENVIRALUM INDUSTRIES INC.
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revisions:
 no. date by description

date: 03-03-17
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 chk. by:

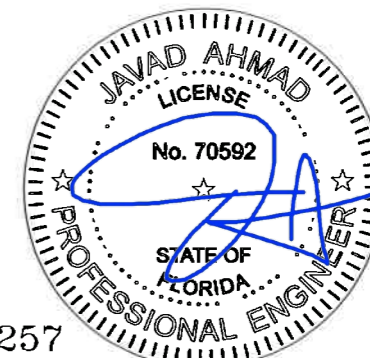
drawing no.
W17-24

sheet 2 of 10



TYPICAL ELEVATION

TRIPLE (XXX) DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
129-5/8"	97-3/4"	60.0	60.0	90.0	90.0



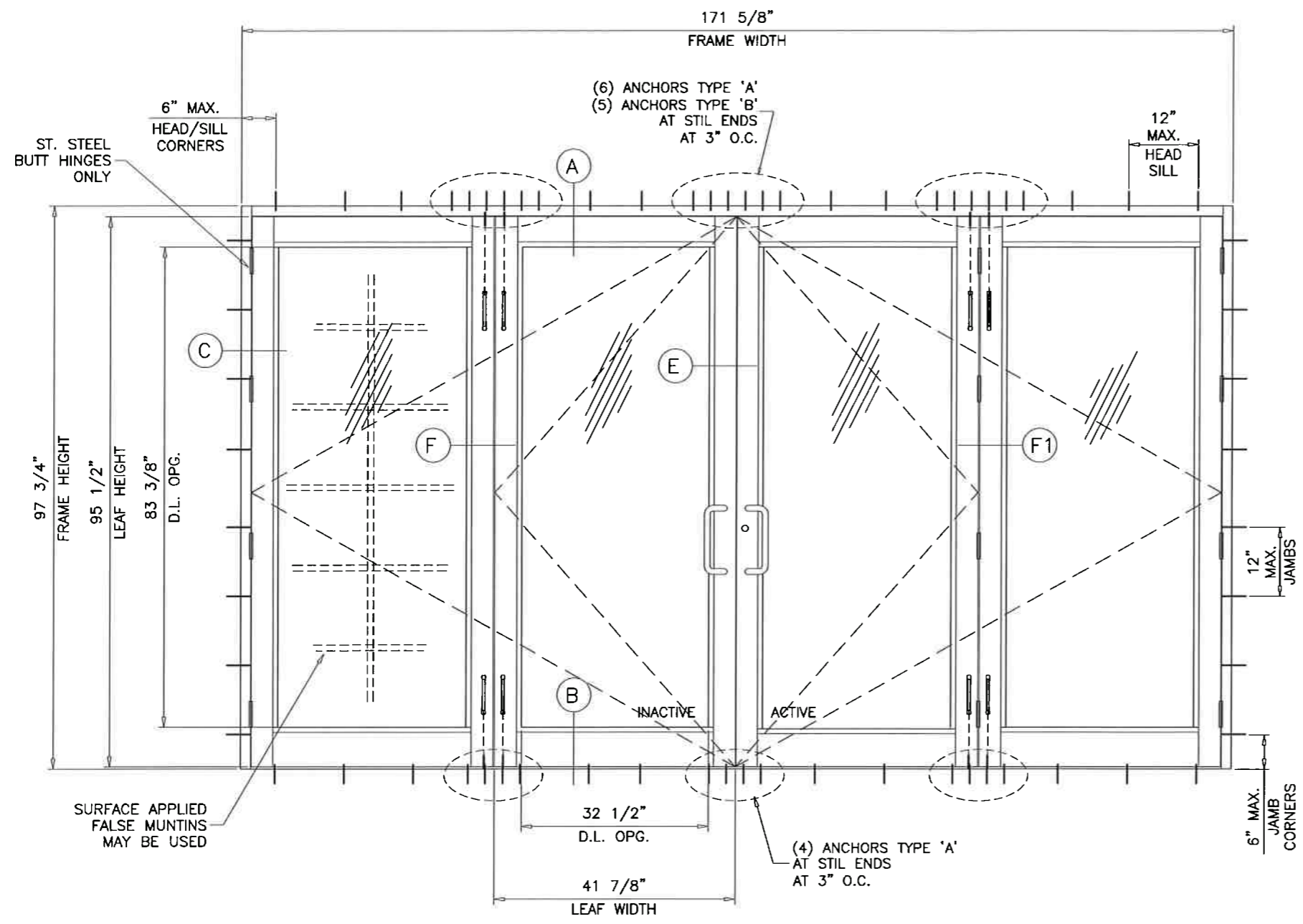
FL #22257

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AL-FAROOQ CORPORATION
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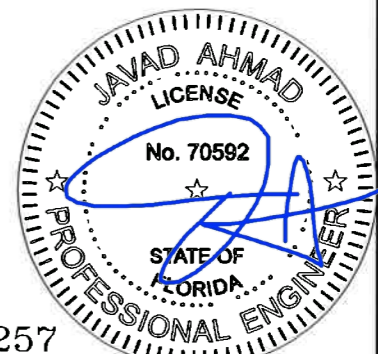
SERIES ENV 330 ALUMINUM OUTSWING DOOR (L.M.I.)
ENVIRALUM INDUSTRIES INC.
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revisions:	no	date	description
date:	03-03-17	scale:	1/2"=1'-0"
dr. by:	TARIQ	chk. by:	
drawing no.	W17-24		
sheet	3 of 10		



TYPICAL ELEVATION

QUADRUPLE (XXXX) DOOR LOAD CAPACITY - PSF					
DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
171-5/8"	97-3/4"	60.0	60.0	90.0	90.0



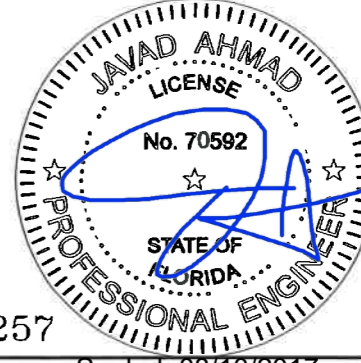
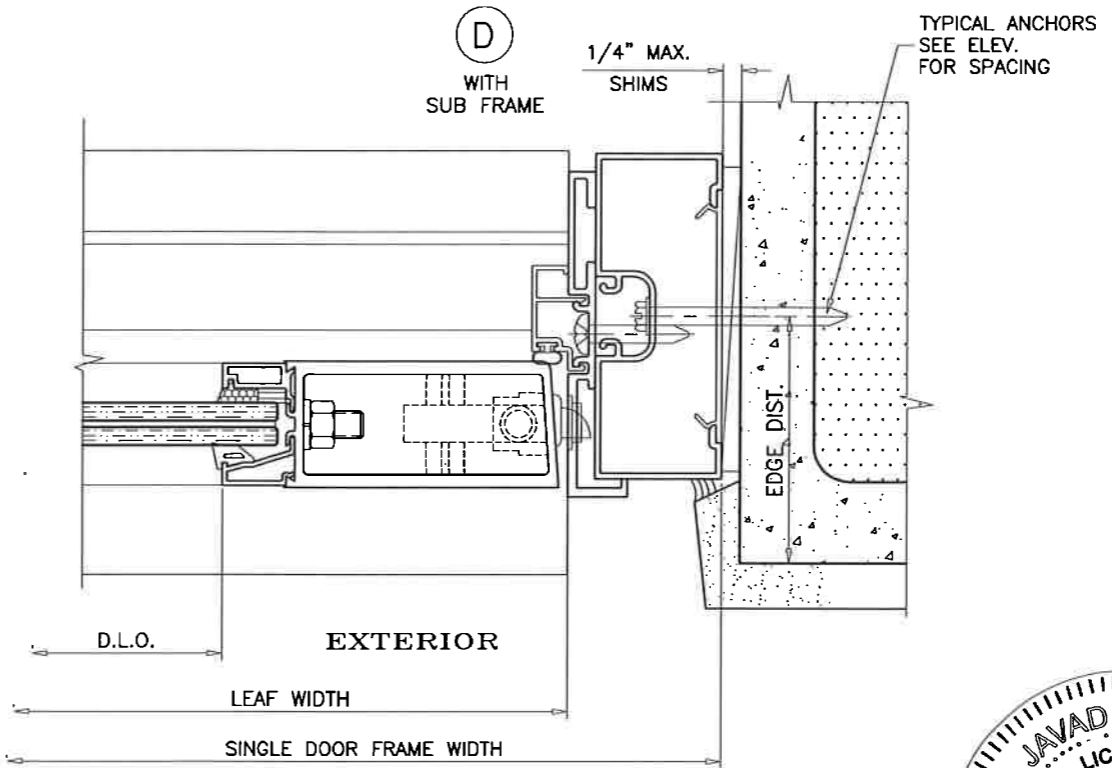
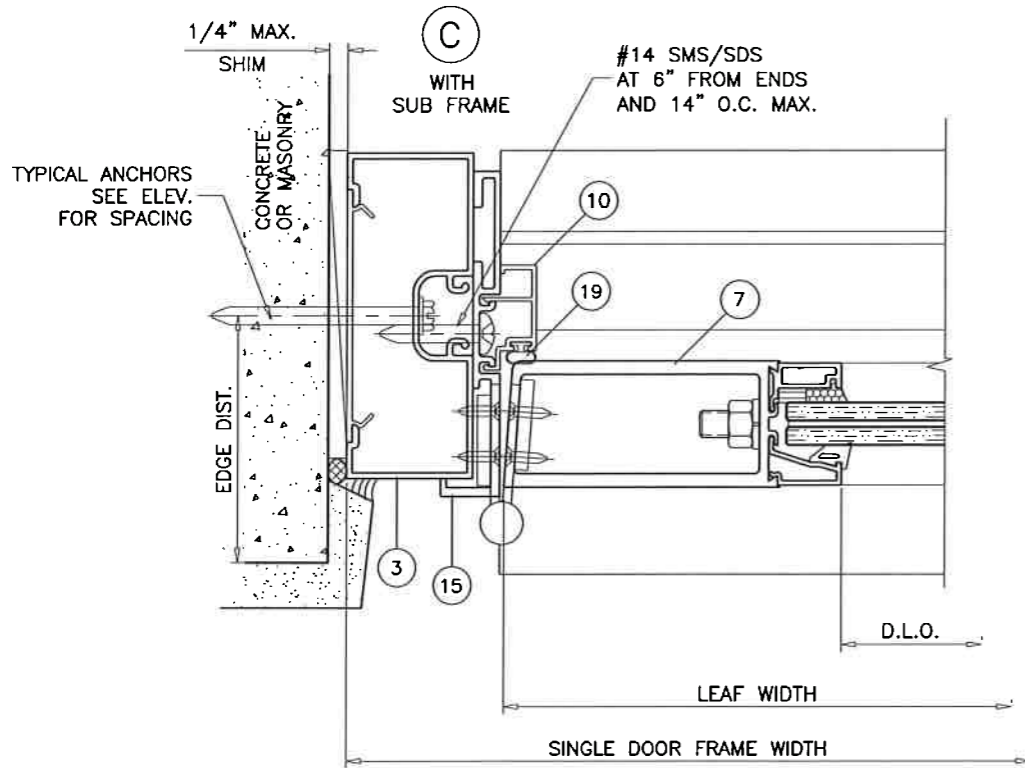
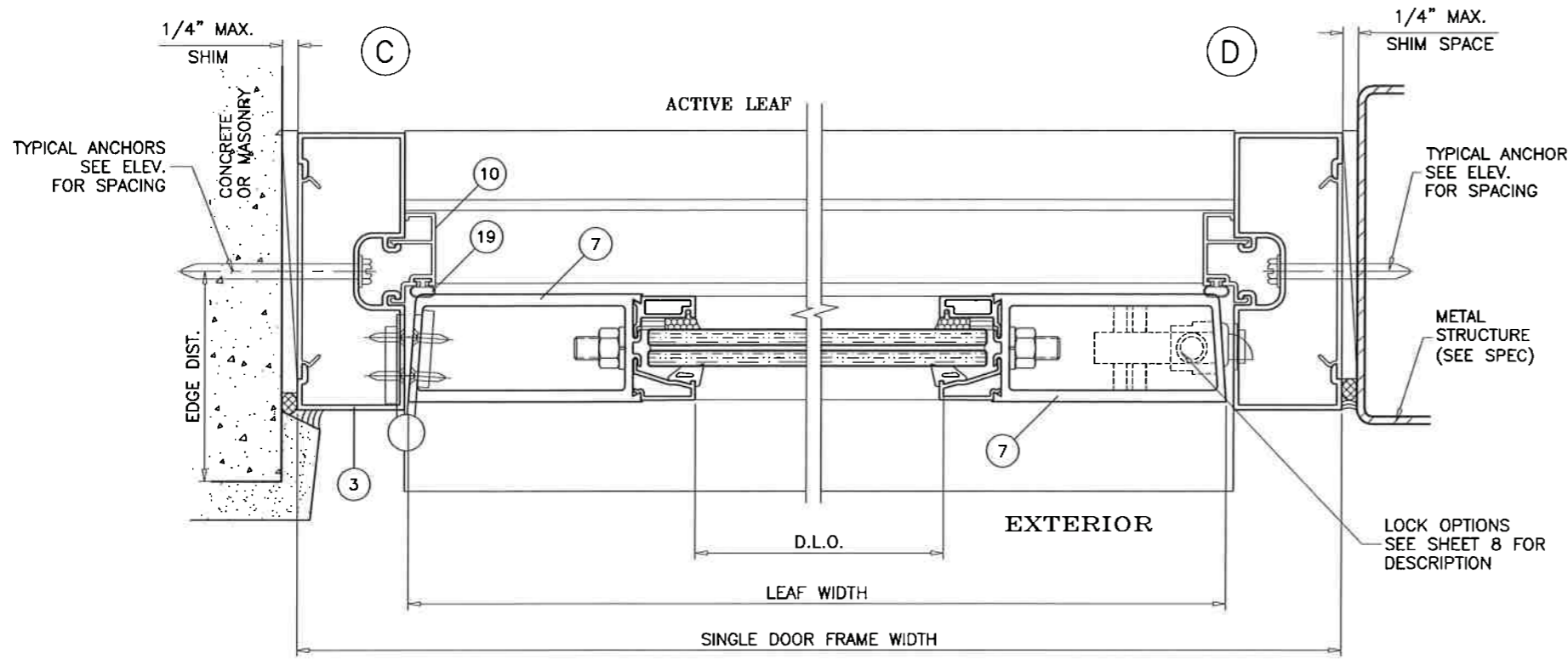
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drawing no.	W17-24			
sheet	4 of 10			



FL #22257

Sealed: 08/10/2017

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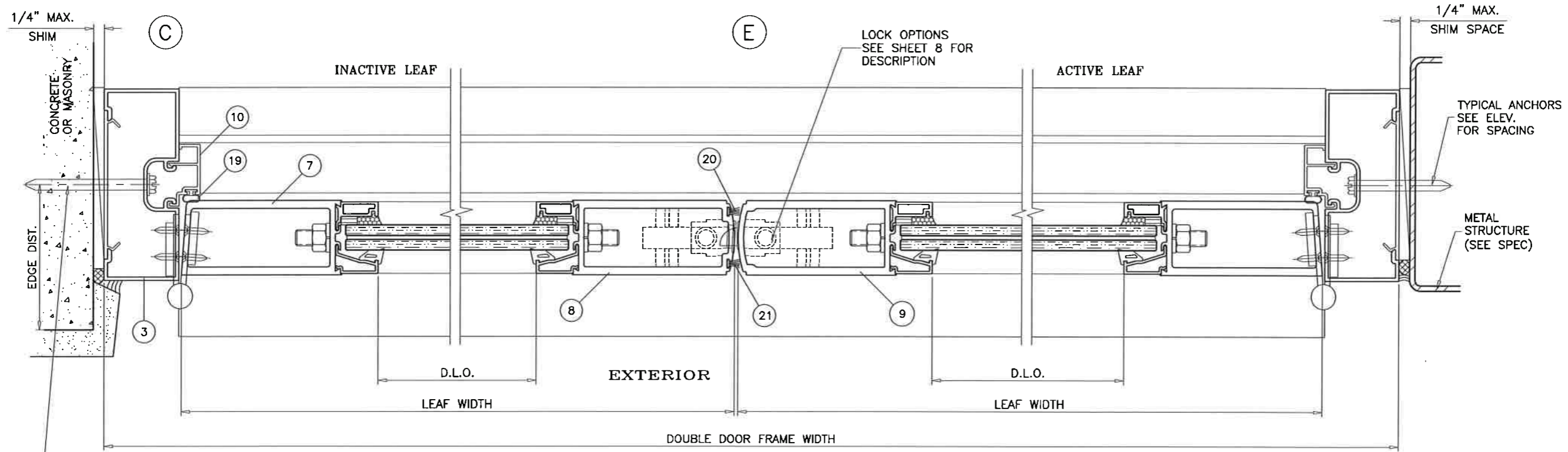
ENVIRALUM INDUSTRIES INC.
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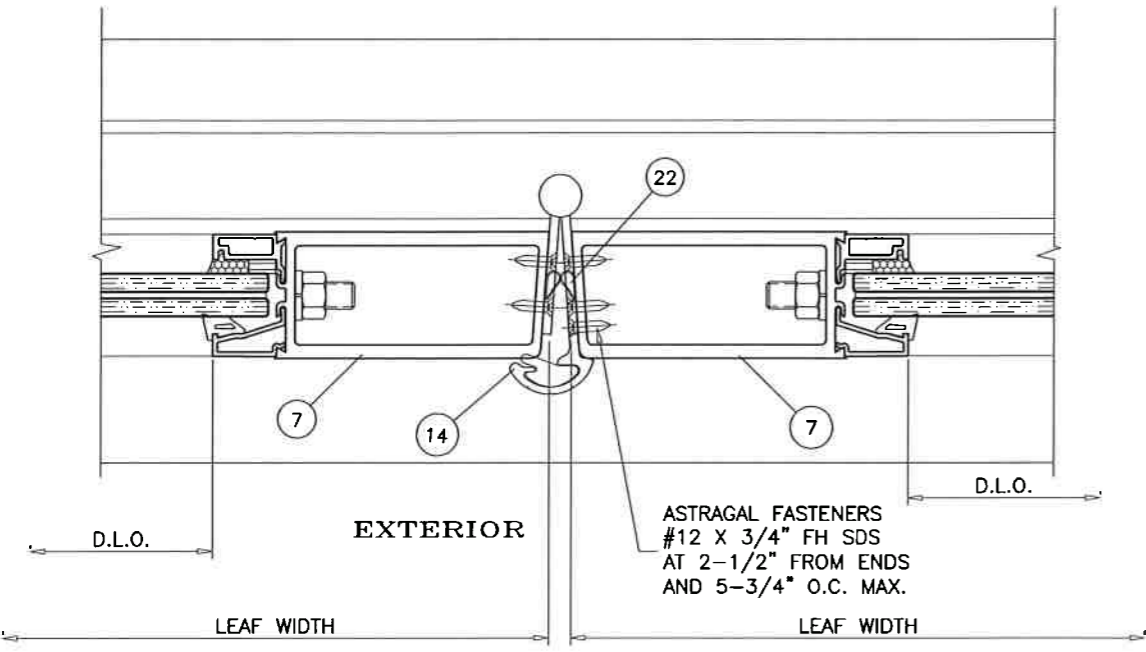
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W17-24

sheet 6 of 10

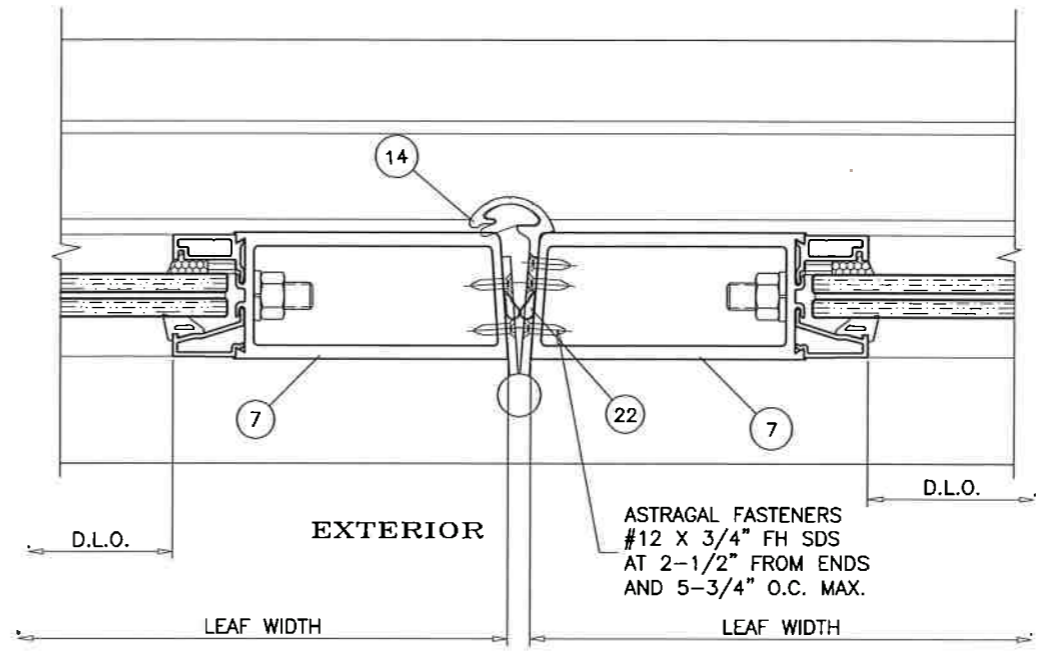


TYPICAL ANCHORS SEE ELEV. FOR SPACING

F



F1



Sealed: 08/10/2017

JAVAD AHMAD
LICENSE
No. 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL #22257

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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drawing no.
W17-24

sheet 7 of 10

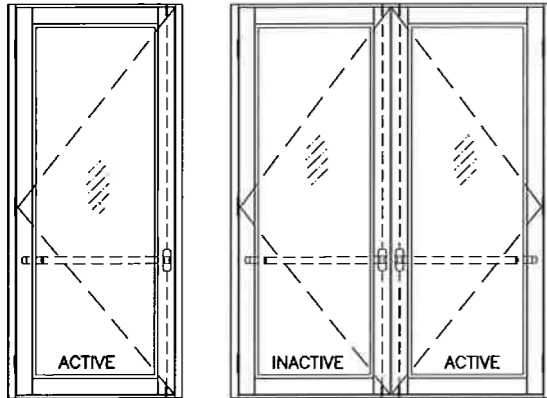
LOCKS:

LOCK OPTION #1

PANIC EXIT DEVICE

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE # 5770 BY 'REGENT HARDWARE' LOCATED AT 40" FROM SILL AT EACH LEAF. FASTENED WITH
 (1) #10 X 3/8" FH SELF DRILLING SCREW AT ONE END AND
 (2) #10 X 1/2" FH SELF DRILLING SCREWS AT OTHER END



LOCK OPTION #2

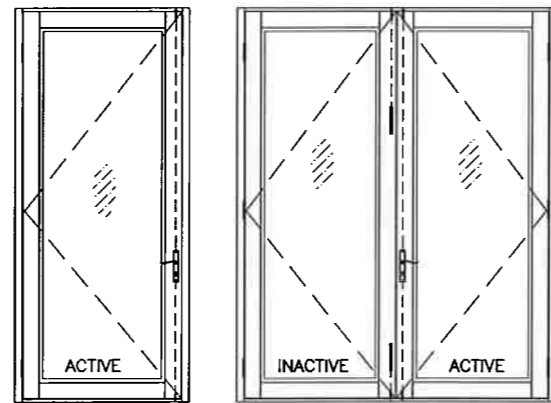
STD. 3 POINT LOCK

ACTIVE LEAF:

THREE POINT LOCK SYSTEM SERIES 2222 BY 'REGENT HARDWARE' KEY OPERATED FROM EXTERIOR AND THUMB TURN ON INTERIOR WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE LOCATED AT 34" FROM BOTTOM OF LEAF

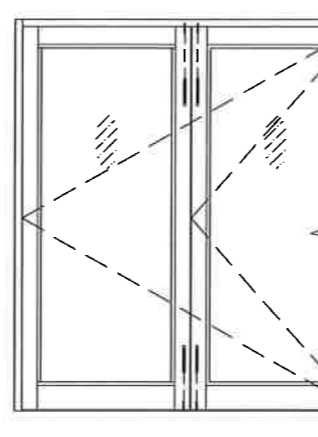
INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM BY 'REGENT HARDWARE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE FASTENED WITH
 (2) #8-32 X 1/4" PH MACHINE SCREWS



FLUSH BOLTS AT TRIPLE OR QUADRUPLE DOOR HINGE STILES:

MANUALLY OPERATED FLUSH EXTENSION BOLT SYSTEM REGENT #2509 WITH 3/8" DIA. BOLT. A SPRING LOADED LEVER MECHANISM ON FACE OF DOOR AT 12" FROM EACH END

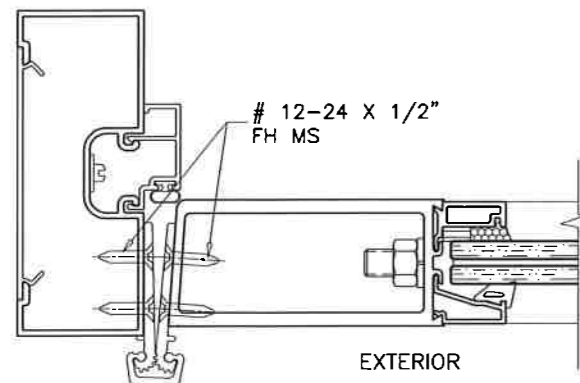


HINGES:

HINGE OPTION #1:

MAX. DESIGN LOAD = 60 PSF

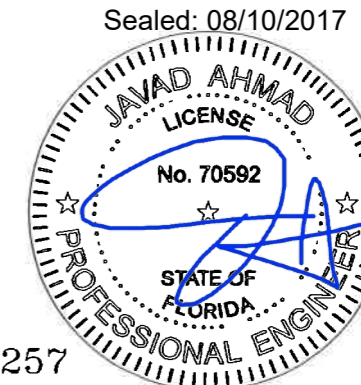
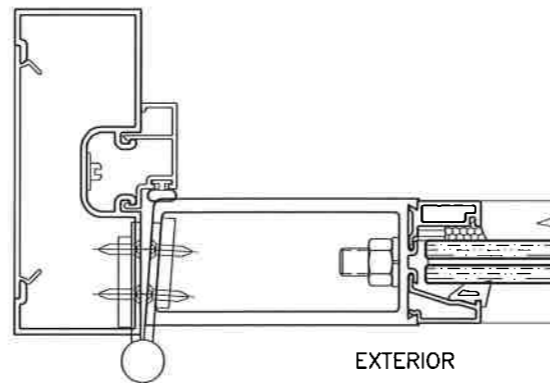
CONTINUOUS GEAR ALUMINUM HINGE HAGER 780-111 OR PEMKO CFM OR SELECT SL11 FASTENED TO FRAME JAMB AND TO JAMB STILE WITH (22) #12-24 X 1/2" FH MS



HINGE OPTION #2:

MAX. DESIGN LOAD = 90 PSF

4" X 4-1/2" X .130" THK. ST. STEEL KNUCKLE HINGE SERIES 4001 BY 'REGENT HARDWARE' OR SERIES FBB 191 BY 'STANLEY SECURITY SOLUTIONS' OR SERIES TA2314/TA2714 BY 'MCKINNEY ASSA ABLOY' 4 PER LEAF TOP/BOTTOM HINGES AT 7-1/4" FROM EACH END AND 27" O.C. FASTENED TO FRAME JAMB WITH (4) 12-24 X 1/2" FH MS DOOR STILE WITH (4) 12-24 X 1/2" FH MS



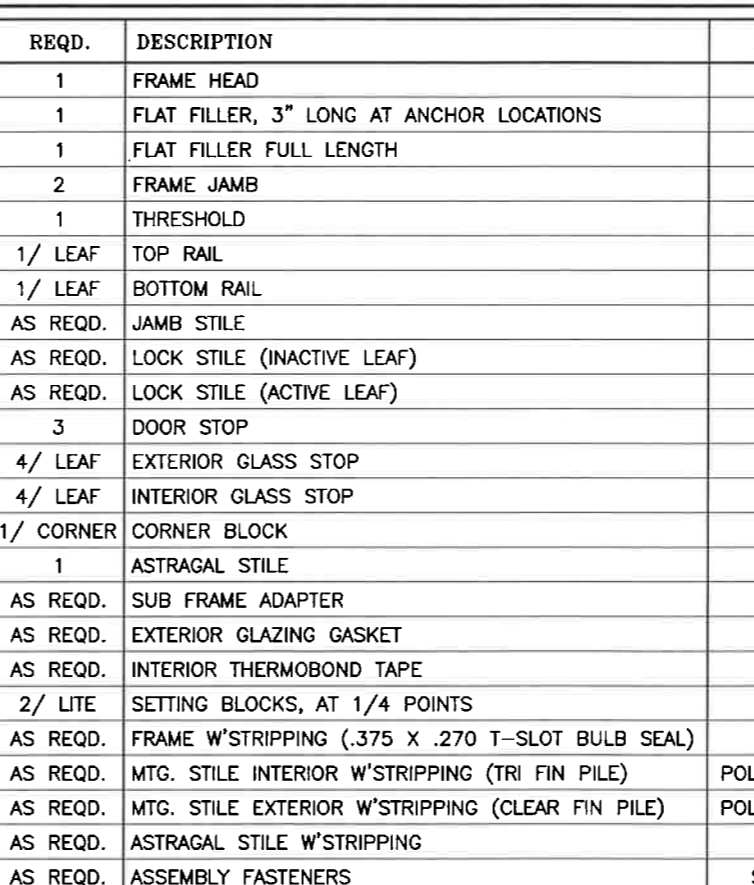
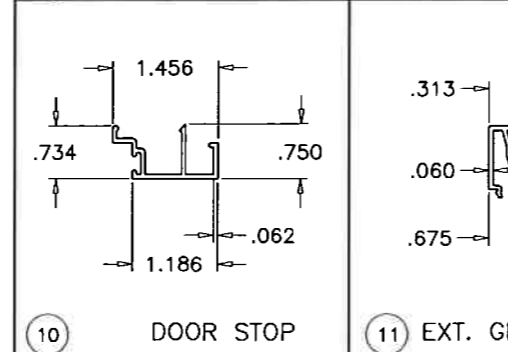
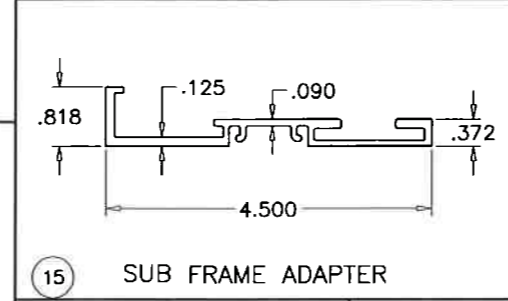
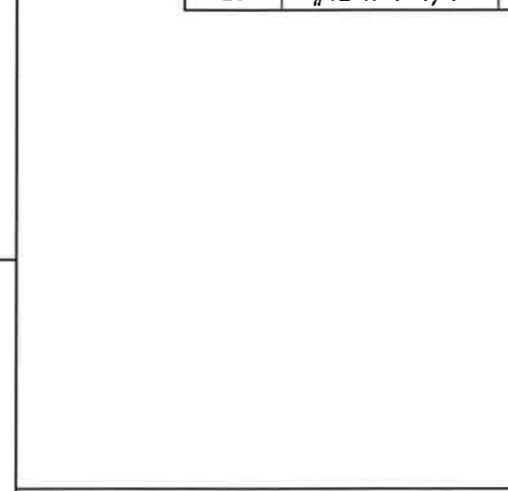
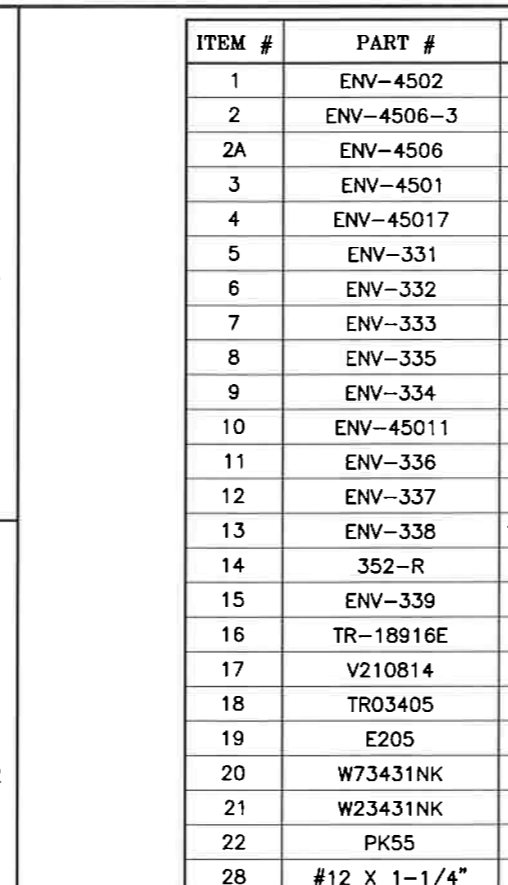
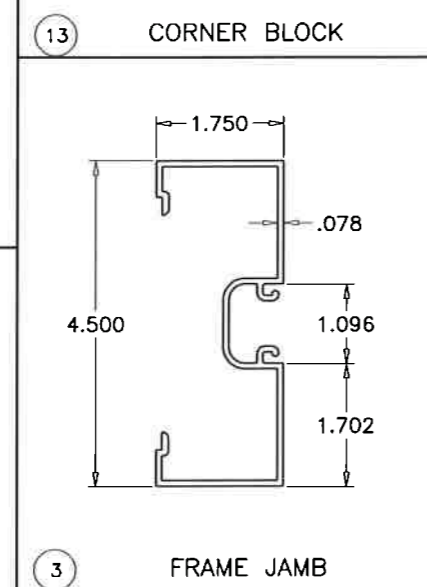
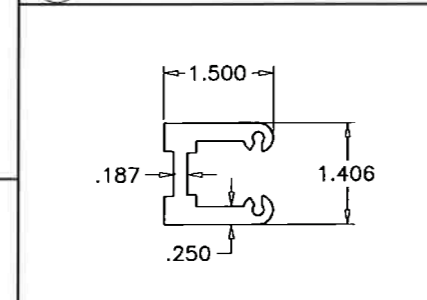
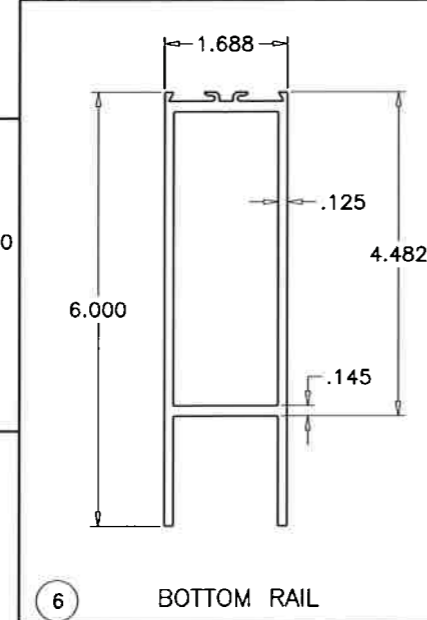
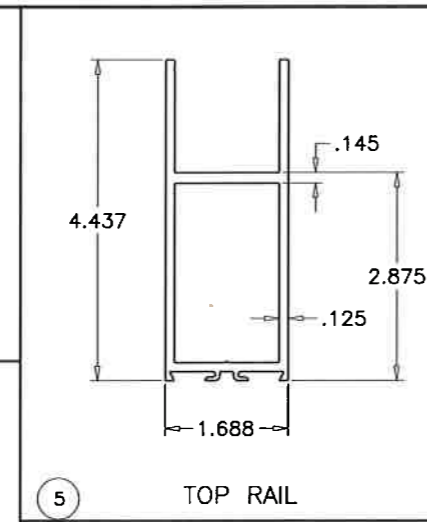
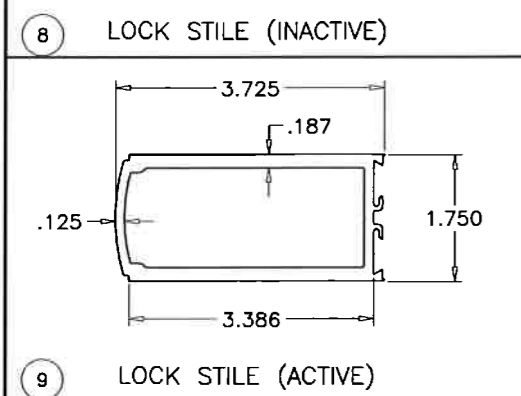
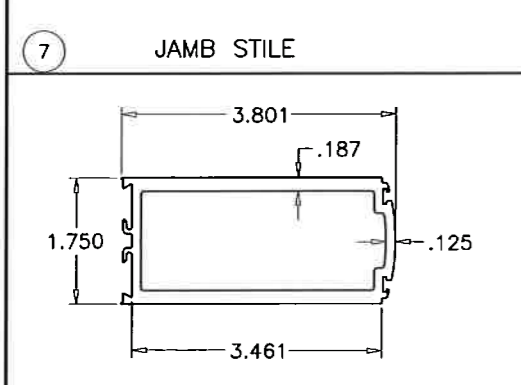
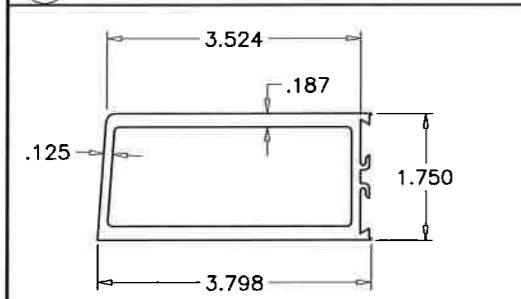
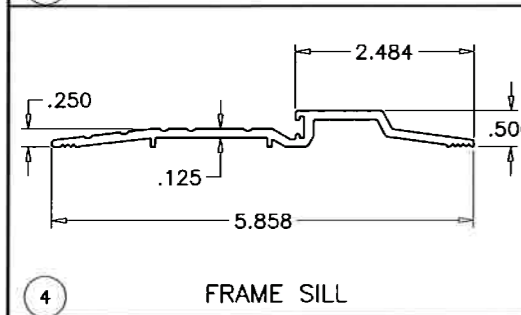
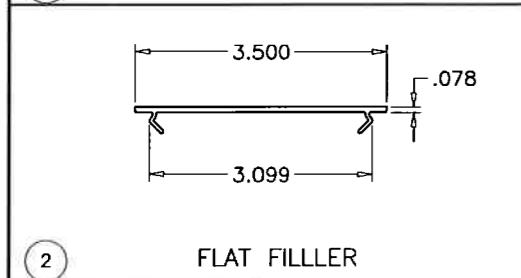
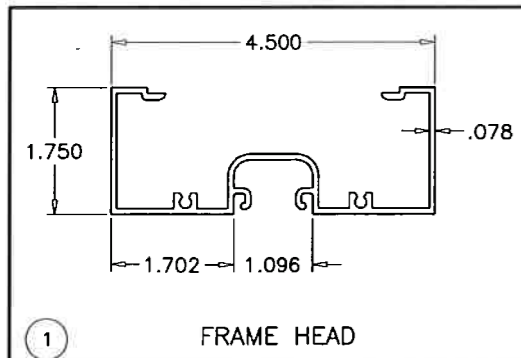
FL #22257

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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 FAX. (305) 262-6978
 TEL. (305) 264-8100 COMP-ANL\W17-24ENV

SERIES ENV 330 ALUMINUM OUTSWING DOOR (L.M.I.)
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 MIAMI, FL. 33166
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revisions:	no	date	by	description

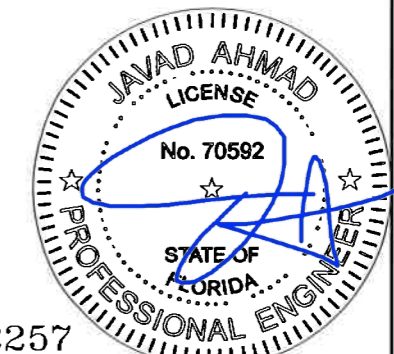
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 dr. by: TARIQ
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 drawing no. W17-24
 sheet 8 of 10



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ENV-4502	1	FRAME HEAD	6063-T5	-
2	ENV-4506-3	1	FLAT FILLER, 3" LONG AT ANCHOR LOCATIONS	6063-T5	-
2A	ENV-4506	1	FLAT FILLER FULL LENGTH	6063-T5	-
3	ENV-4501	2	FRAME JAMB	6063-T5	-
4	ENV-45017	1	THRESHOLD	6063-T6	-
5	ENV-331	1/ LEAF	TOP RAIL	6063-T6	-
6	ENV-332	1/ LEAF	BOTTOM RAIL	6063-T6	-
7	ENV-333	AS REQD.	JAMB STILE	6063-T6	-
8	ENV-335	AS REQD.	LOCK STILE (INACTIVE LEAF)	6063-T6	-
9	ENV-334	AS REQD.	LOCK STILE (ACTIVE LEAF)	6063-T6	-
10	ENV-45011	3	DOOR STOP	6063-T5	-
11	ENV-336	4/ LEAF	EXTERIOR GLASS STOP	6063-T6	-
12	ENV-337	4/ LEAF	INTERIOR GLASS STOP	6063-T6	-
13	ENV-338	1/ CORNER	CORNER BLOCK	6063-T6	-
14	352-R	1	ASTRAGAL STILE	6063-T5	PEMKO
15	ENV-339	AS REQD.	SUB FRAME ADAPTER	6063-T6	-
16	TR-18916E	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	TREMCO, DUROMETER 70±5 SHORE A
17	V210814	AS REQD.	INTERIOR THERMOBOND TAPE	-	CR LAURANCE
18	TR03405	2/ LITE	SETTING BLOCKS, AT 1/4 POINTS	EPDM	TREMCO, DOROMETER 80±5 SHORE A
19	E205	AS REQD.	FRAME W'STRIPPING (.375 X .270 T-SLOT BULB SEAL)	-	ULTRAFAB
20	W73431NK	AS REQD.	MTG. STILE INTERIOR W'STRIPPING (TRI FIN PILE)	POLYPROPYLENE	ULTRAFAB
21	W23431NK	AS REQD.	MTG. STILE EXTERIOR W'STRIPPING (CLEAR FIN PILE)	POLYPROPYLENE	ULTRAFAB
22	PK55	AS REQD.	ASTRAGAL STILE W'STRIPPING	-	PEMKO
28	#12 X 1-1/4"	AS REQD.	ASSEMBLY FASTENERS	ST. STEEL	PH SMS

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.



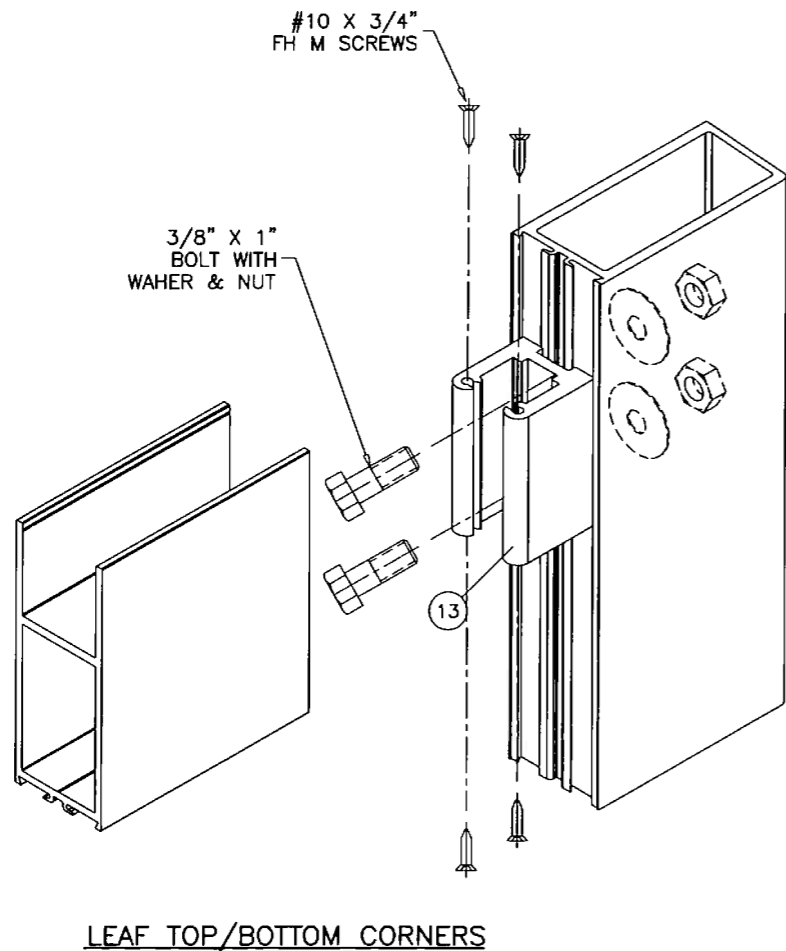
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af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W17-24ENV

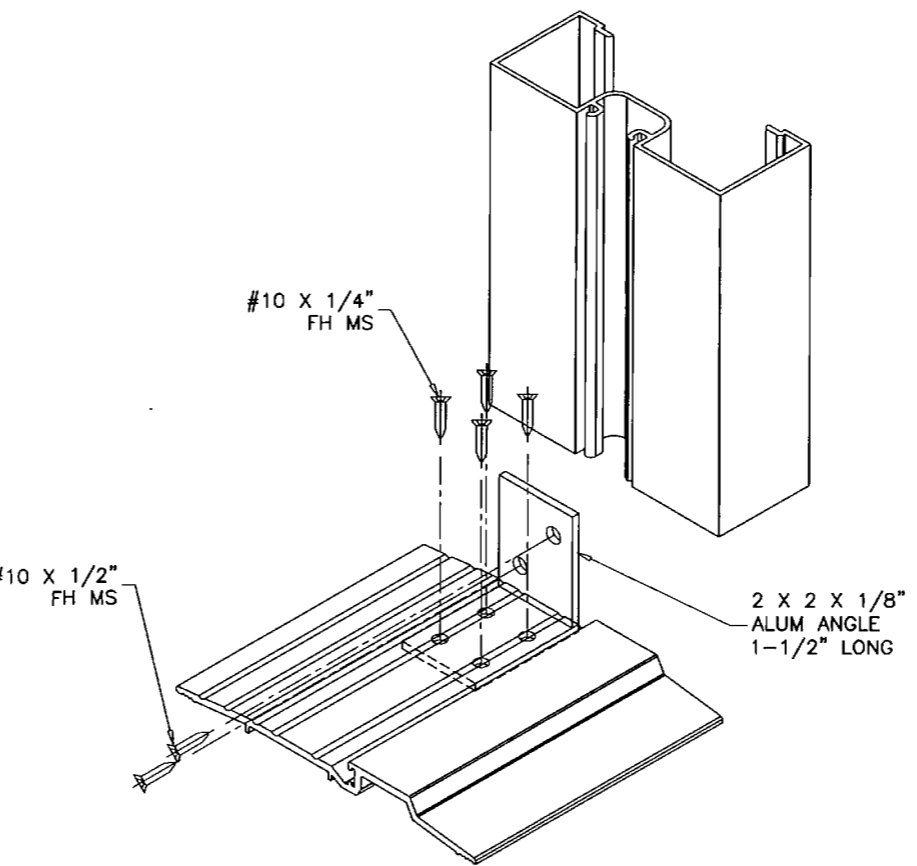
SERIES ENV 330 ALUMINUM OUTSWING DOOR (L.M.I.)
ENVIRALUM INDUSTRIES INC.
 5100 N.W. 72 AVENUE BLDG. C
 MIAMI, FL. 33166
 TEL. (305) 752-4411 FAX. (305) 406-3877

revisions:	no	date	by	description

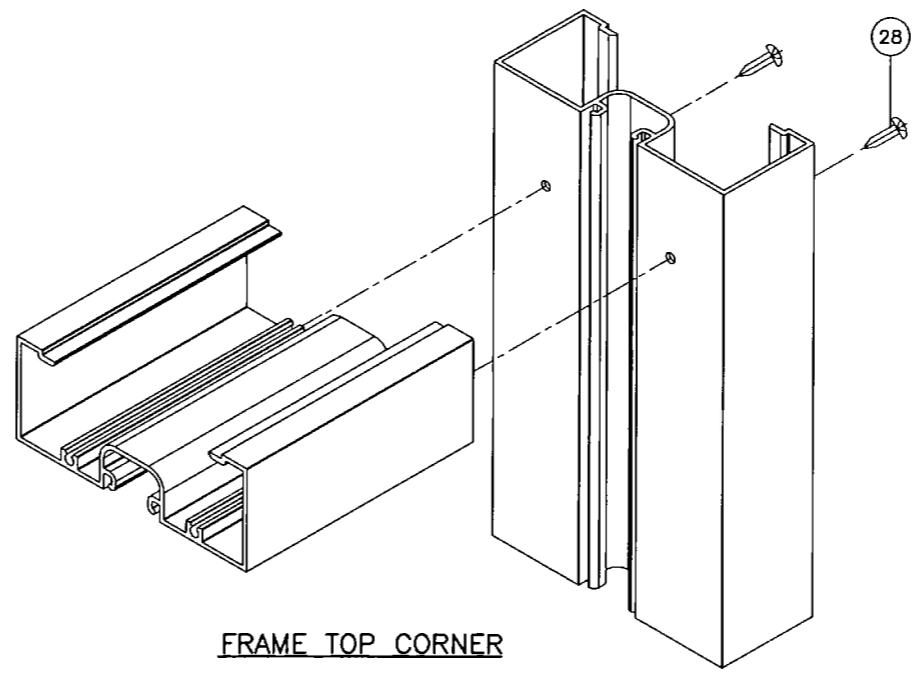
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 dr. by: TARIQ
 chk. by:
 drawing no. **W17-24**
 sheet 9 of 10



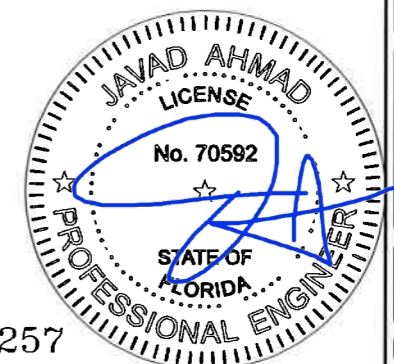
LEAF TOP/BOTTOM CORNERS



FRAME SILL CORNER



FRAME TOP CORNER



FL #22257

Sealed: 08/10/2017

af c

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sheet 10 of 10