

SERIES K2LM ALUMINUM OUT-SWING DOOR

USE BUMPER THRESHOLD (#5A+5B) WHEN WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE.

USE HIGH-RISE THRESHOLD COVER (#5A+5C) WHEN WATER INFILTRATION REQUIREMENTS MUST BE MET.

SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOMS.

SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF SINGLE (O/X) OR DOUBLE (O/XX) LEAF DOORS WITH TRANSOMS.

SEE CHARTS ON SHEETS 7 & 8 FOR DESIGN LOAD CAPACITY OF DOOR MULLION.

USE LOWER VALUES OF DOOR MULLION CHARTS (SHEETS 7 & 8) OR DOOR CAPACITY CHARTS (SHEETS 2 & 3).

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH 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.

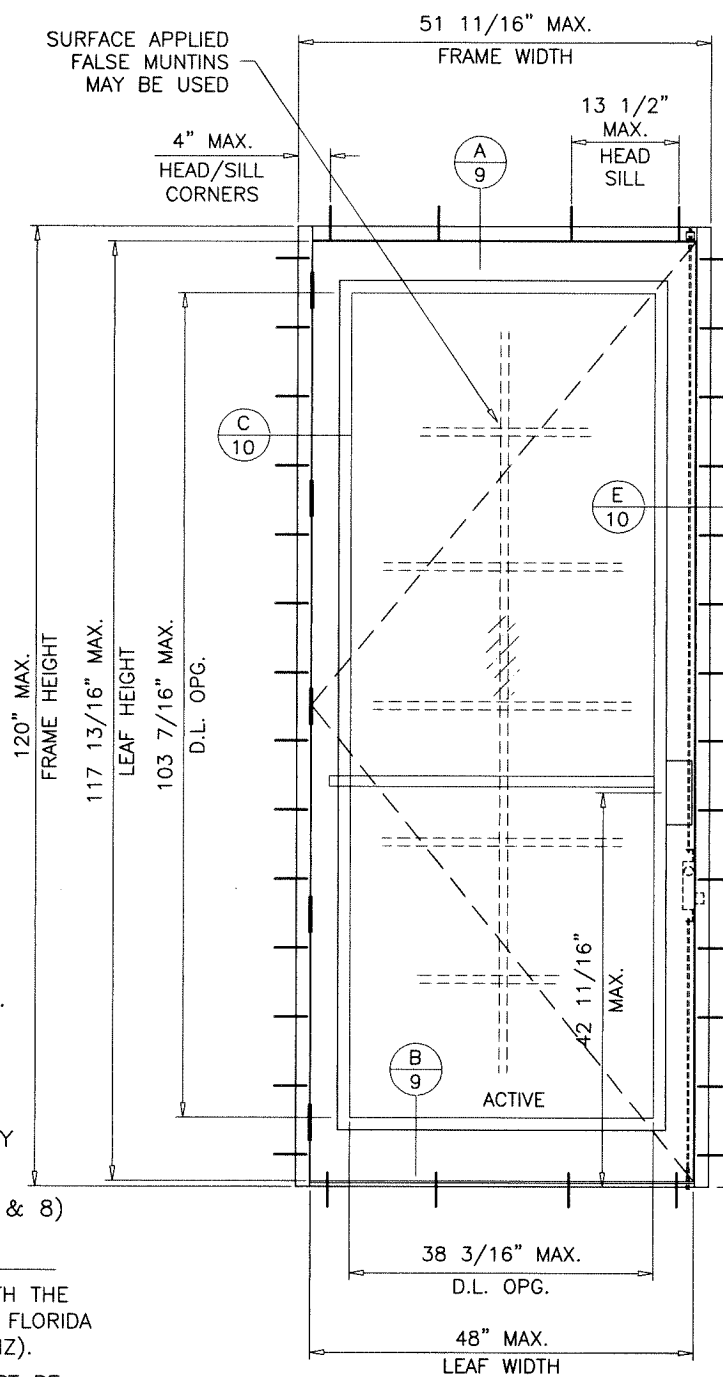
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

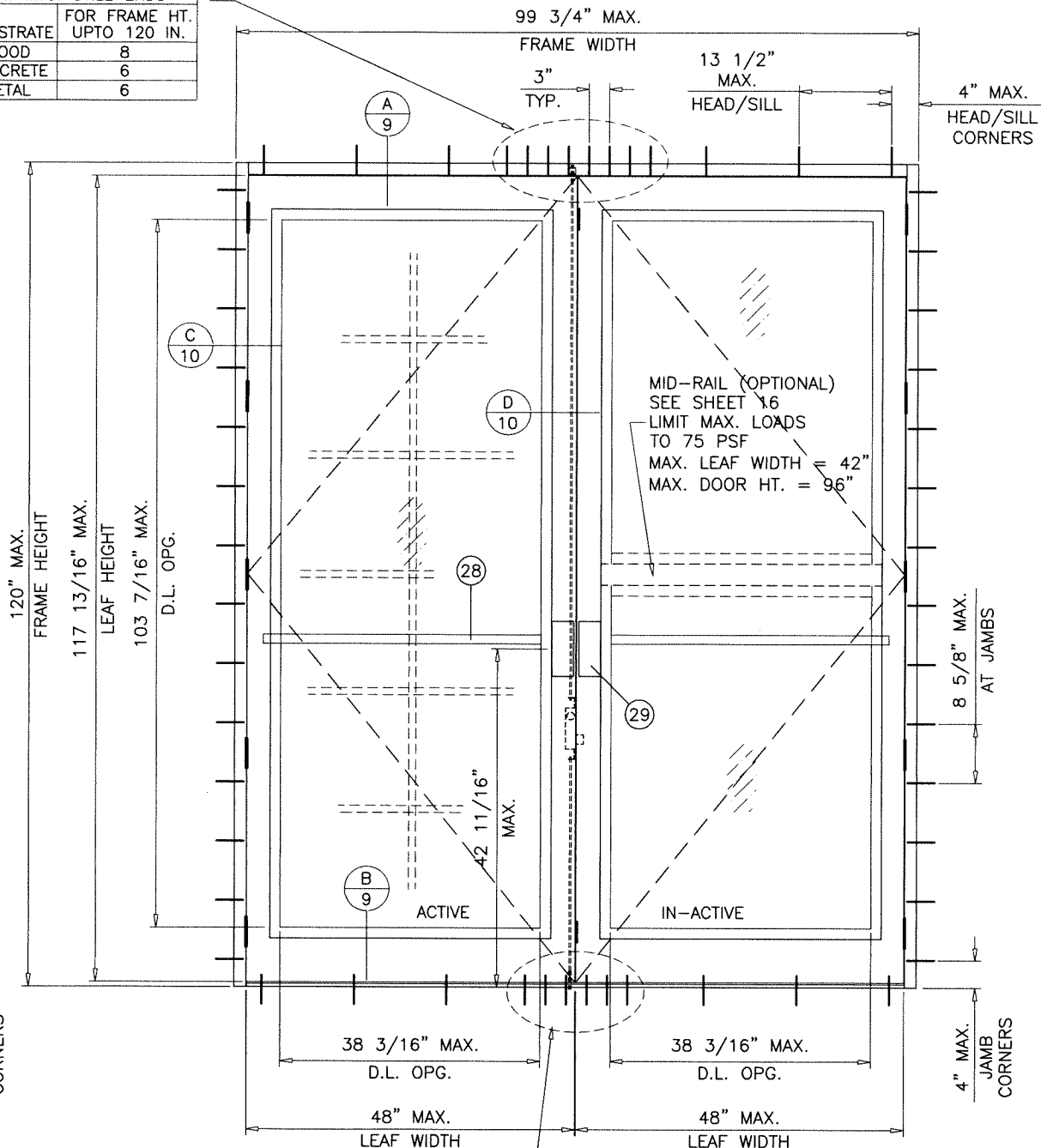
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

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.



TOTAL NO. OF ANCHORS AT MTG. STILE ENDS	
SUBSTRATE	FOR FRAME HT. UPTO 120 IN.
WOOD	8
CONCRETE	6
METAL	6

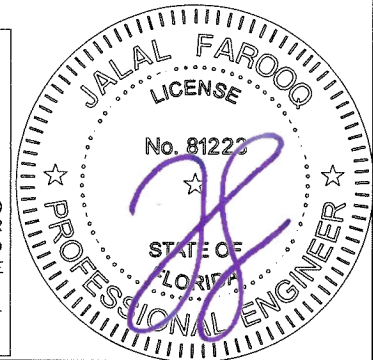


TYPICAL ELEVATIONS

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711. REFER TO AL-FAROOQ STATEMENT OF EQUIVALENCY UPLOADED ALONGSIDE THIS DOCUMENT FOR FURTHER DETAILS.

LAMINATED GLASS
LARGE MISSILE IMPACT

FL #17811



- 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.

$$\text{FRAME WIDTH} = \text{DOOR OPNG. WIDTH} + 3.500$$

$$\begin{aligned}\text{LEAF HEIGHT} &= \text{DOOR FRAME HEIGHT} - 2.188'' \\ \text{LEAF WIDTH (XX DOORS)} &= (\text{DOOR OPNG. WIDTH} - .250)/2\end{aligned}$$

$$\text{LEAF WIDTH (X DOORS)} = \text{DOOR OPNG. WIDTH} - .187$$

$$\begin{aligned}\text{GLASS DLO HEIGHT} &= \text{LEAF HEIGHT} - 14.375 \\ \text{GLASS DLO WIDTH} &= \text{LEAF WIDTH} - 9.813\end{aligned}$$

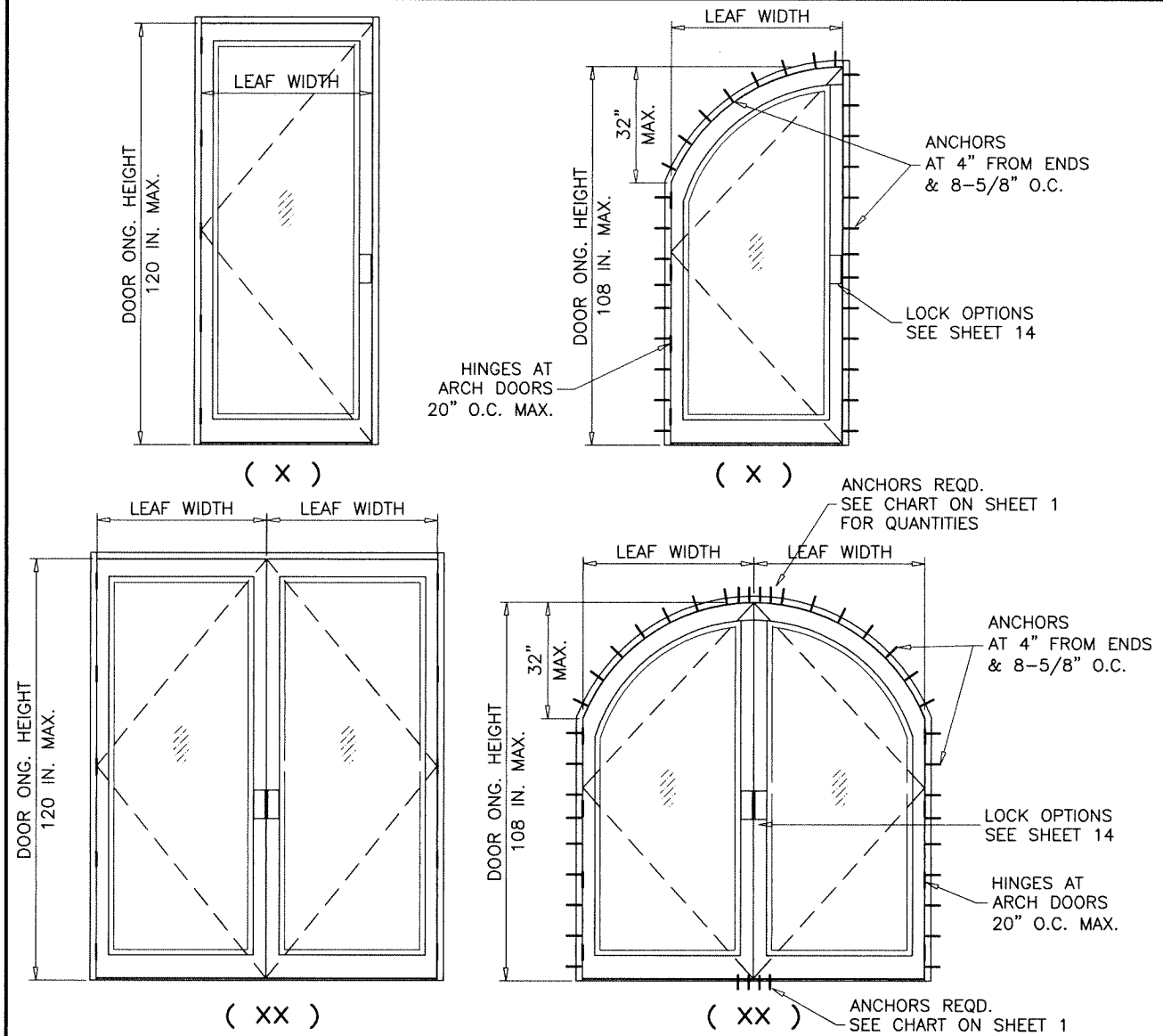
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\22-04F-AAG

SERIES K2LM ALUM OUT-SWING ENTRANCE DOOR
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

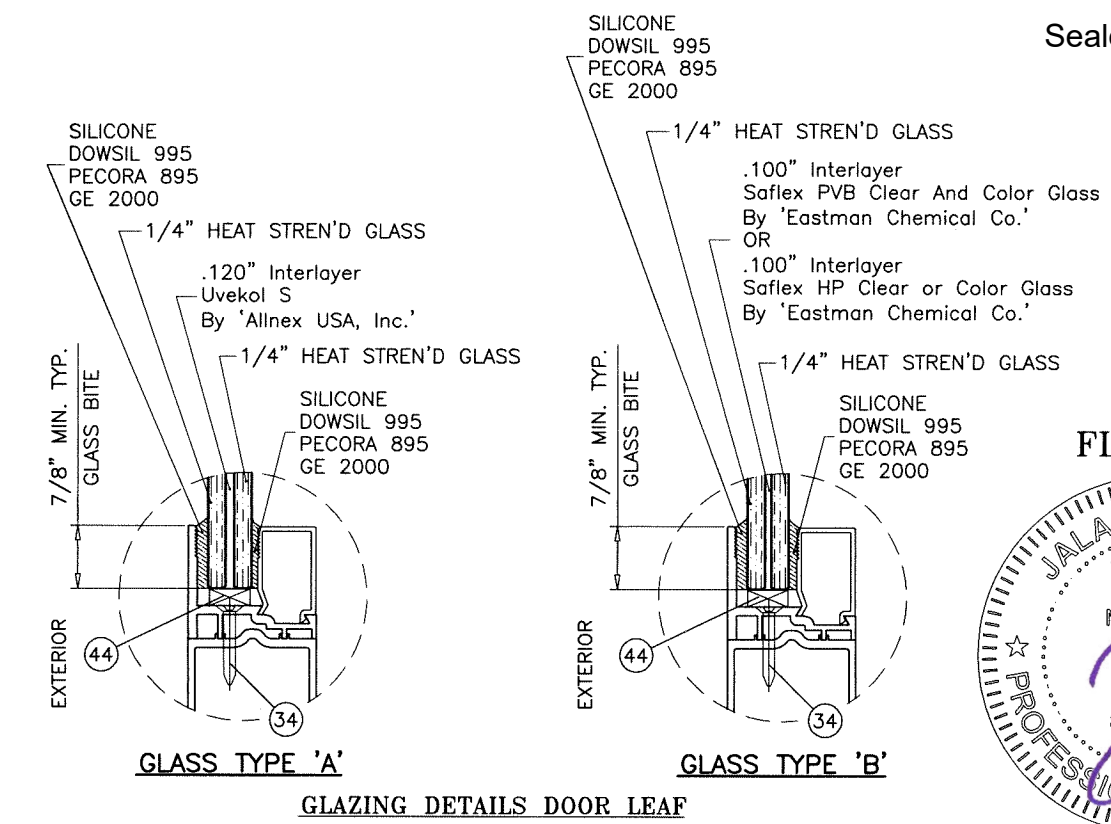
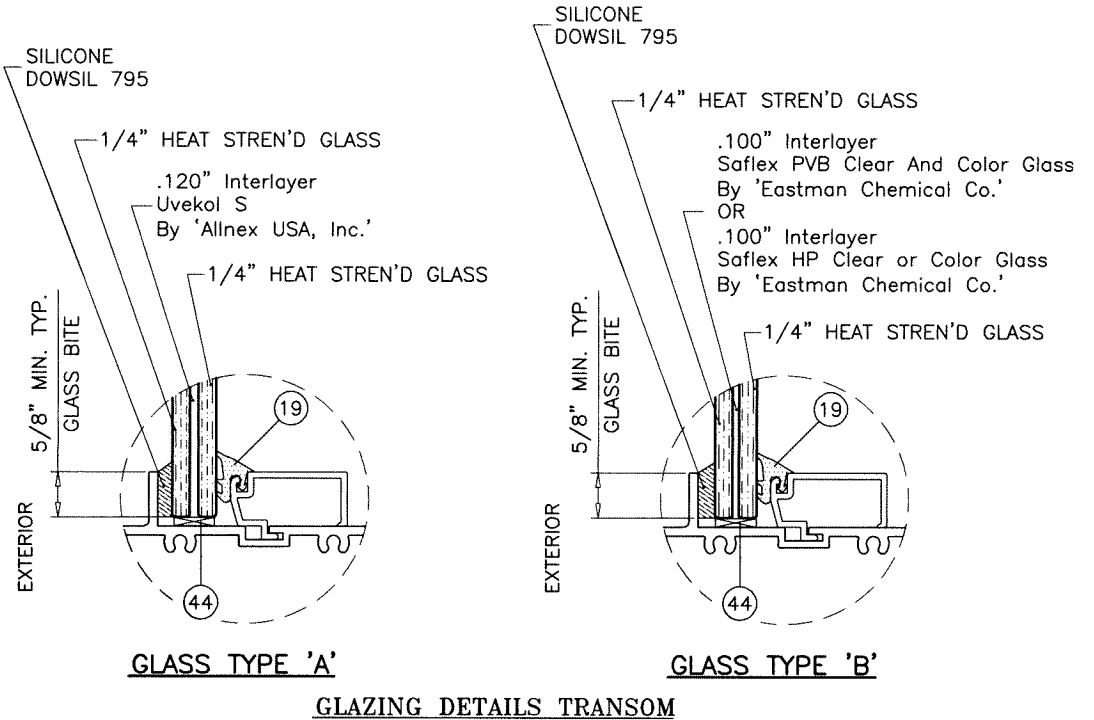
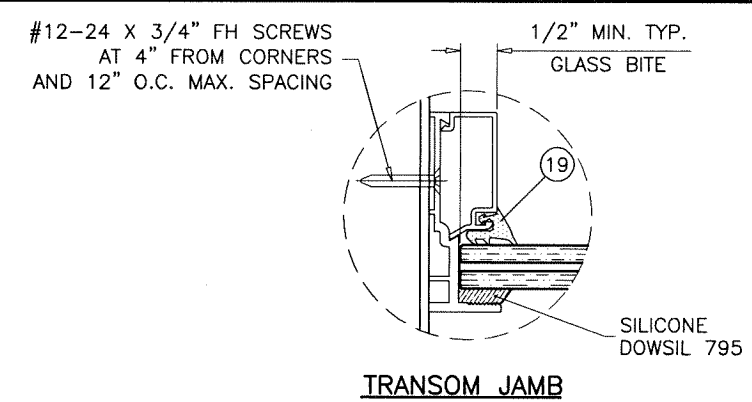
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A	07.01.23	B	09.10.26		UPDATED TO 2023 FBC
					UPDATED TO 2026 FBC

date: 01-25-22
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:
drawing no.
22-04F
sheet 1 of 16



SINGLE OR DOUBLE ENTRANCE DOORS W/O TRANSOM GLASS TYPES 'A' & 'B'			
NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF	
OPNG. HEIGHT INCHES	LEAF WIDTH INCHES	EXT.(+)	INT.(-)
80	30	100.0	120.0
	36	100.0	120.0
	42	100.0	120.0
	48	100.0	120.0
84	30	100.0	120.0
	36	100.0	120.0
	42	100.0	120.0
	48	100.0	120.0
96	30	100.0	120.0
	36	100.0	120.0
	42	100.0	120.0
	48	100.0	120.0
108	30	100.0	120.0
	36	100.0	120.0
	42	100.0	120.0
	48	100.0	120.0
120	30	100.0	100.0
	36	100.0	100.0
	42	100.0	100.0
	48	100.0	100.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



Sealed: 9/10/2026

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COMP-ANL\22-04F-AAG

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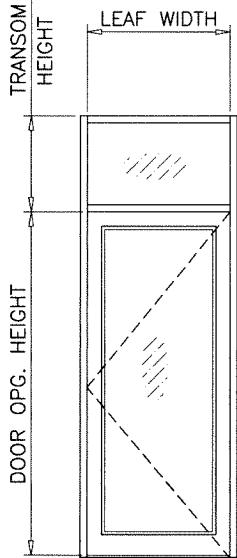
FBPE #3538

revisions:		date	by	description
no	date	by	description	

date: 01-25-22
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
22-04F
sheet 2 of 16

SINGLE ENTRANCE DOORS WITH TRANSOM					
DESIGN LOAD CAPACITY					
NOMINAL DIMS.			WITHOUT REINF.		
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT INCHES	EXT. (+)	INT. (-)	
48 MAX.	108 MAX.	60	100.0	120.0	

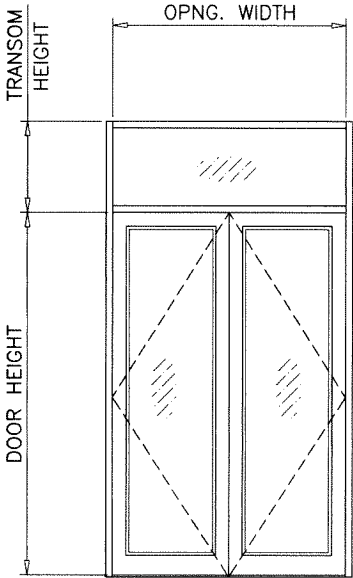


(O/X)

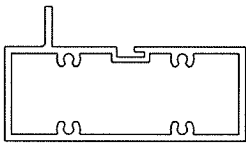
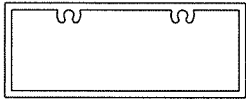
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DOUBLE ENTRANCE DOORS WITH TRANSOM GLASS TYPES 'A' & 'B'						
DESIGN LOAD CAPACITY						
NOMINAL DIMS.			WITHOUT REINF.		WITH REINF.	
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT INCHES	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
60	80	24	100.0	120.0	100.0	120.0
		30	100.0	120.0	100.0	120.0
		36	100.0	120.0	100.0	120.0
		42	85.7	102.9	85.7	102.9
		48	75.0	90.0	75.0	90.0
		54	66.7	80.0	66.7	80.0
72		24	100.0	103.0	100.0	120.0
		30	97.4	97.4	100.0	120.0
		36	92.3	92.3	100.0	120.0
		42	85.7	87.8	85.7	102.9
		48	75.0	83.7	75.0	90.0
84		24	74.9	74.9	100.0	120.0
		30	70.8	70.8	100.0	120.0
		36	67.1	67.1	100.0	120.0
96"		24	56.8	56.8	100.0	110.0
		30	53.7	53.7	100.0	104.0
	36	50.9	50.9	98.6	98.6	
60	84	24	100.0	120.0	100.0	120.0
		30	100.0	120.0	100.0	120.0
		36	100.0	120.0	100.0	120.0
		42	85.7	102.9	85.7	102.9
		48	75.0	90.0	75.0	90.0
		54	66.7	80.0	66.7	80.0
72		24	99.2	99.2	100.0	120.0
		30	94.0	94.0	100.0	120.0
		36	89.3	89.3	100.0	120.0
		42	85.0	85.0	85.7	102.9
		48	75.0	81.1	75.0	90.0
84		24	72.1	72.1	100.0	120.0
		30	68.3	68.3	100.0	120.0
		36	64.9	64.9	100.0	120.0
96"		24	54.7	54.7	100.0	105.9
		30	51.8	51.8	100.0	100.4
	36	49.2	49.2	95.3	95.3	
60	96	24	100.0	120.0	100.0	120.0
		30	100.0	120.0	100.0	120.0
		36	100.0	118.2	100.0	120.0
		42	85.7	102.9	85.7	102.9
		48	75.0	90.0	75.0	90.0
72		24	89.3	89.3	100.0	120.0
		30	85.0	85.0	100.0	120.0
		36	81.1	81.1	100.0	120.0
		42	77.6	77.6	85.7	102.9
		48	74.4	74.4	75.0	90.0
84		24	64.9	64.9	100.0	120.0
		30	61.8	61.8	100.0	118.6
		36	59.0	59.0	100.0	113.2
96"		24	49.2	49.2	95.3	95.3
		30	46.9	46.9	90.8	90.8
		36	44.7	44.7	86.7	86.7

DOUBLE ENTRANCE DOORS WITH TRANSOM GLASS TYPES 'A' & 'B'						
DESIGN LOAD CAPACITY						
NOMINAL DIMS.			WITHOUT REINF.		WITH REINF.	
OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT INCHES	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
60	108	24	100.0	118.2	100.0	120.0
		30	100.0	113.0	100.0	120.0
		36	100.0	108.3	100.0	120.0
		42	—	—	85.7	102.9
72		24	81.1	81.1	100.0	120.0
		30	77.6	77.6	100.0	120.0
		36	74.4	74.4	100.0	120.0
84		24	59.0	59.0	100.0	113.2
		30	56.4	56.4	100.0	108.3
		36	54.1	54.1	100.0	103.8
96"		24	44.7	44.7	86.7	86.7
		30	42.8	42.8	82.5	82.9
	36	41.0	41.0	79.5	79.5	



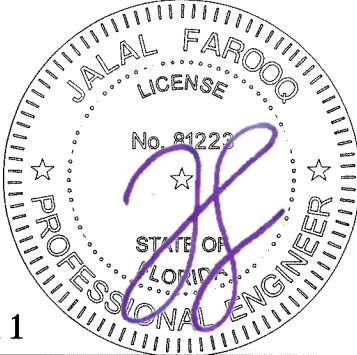
(O/XX)



TRANSOM
WITHOUT REINF.

TRANSOM
WITH REINF.

Sealed: 9/10/2026

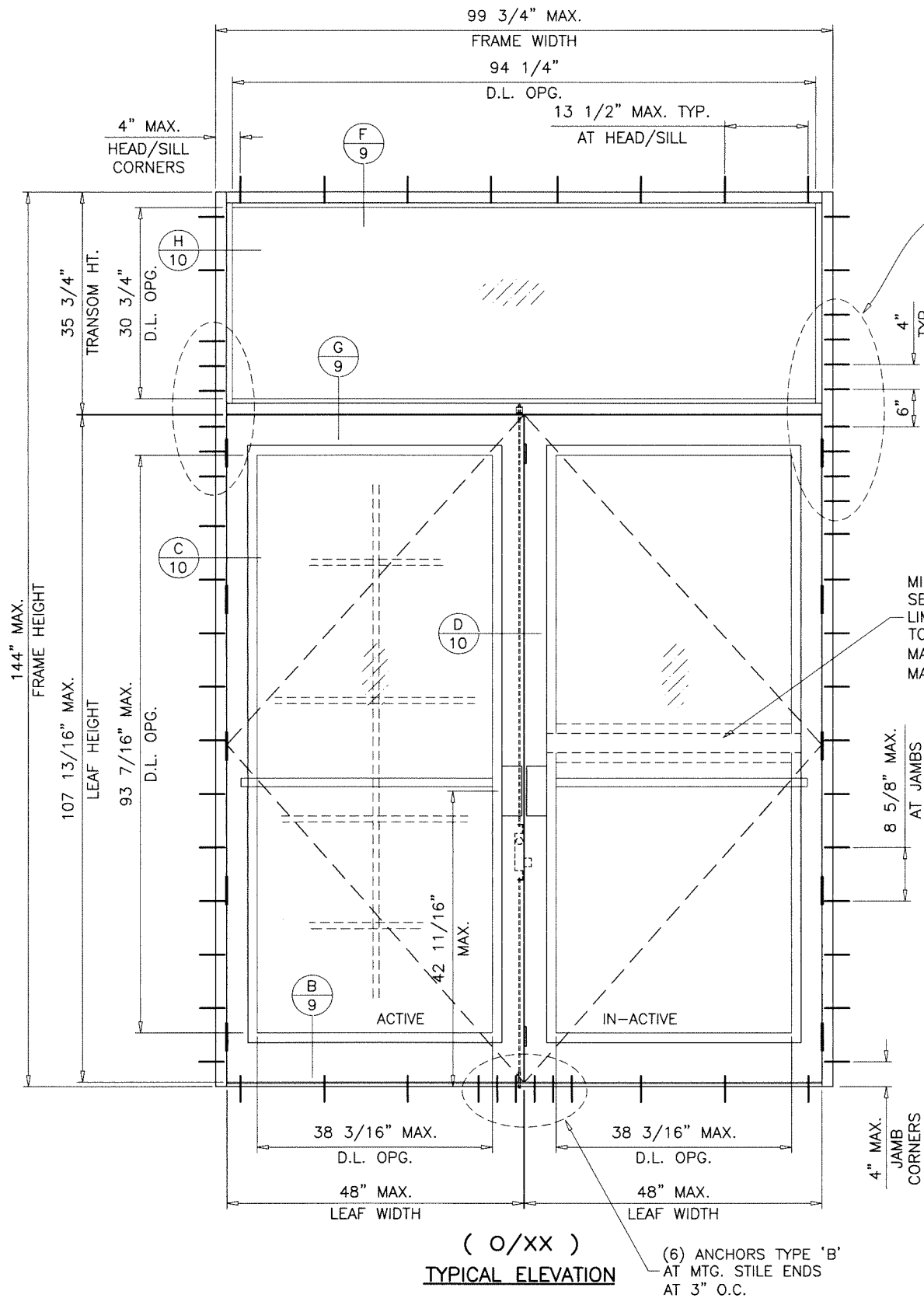


FL #17811

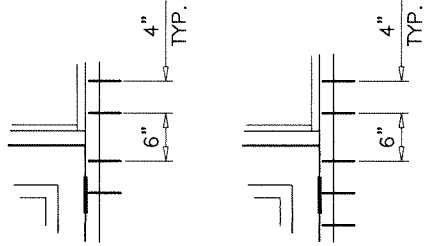
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revisions:		no date		by description	
date:	01-25-22	scale:	-	dr. by:	TARIQ
chk. by:					
drawing no.	22-04F				
sheet	3 of 16				



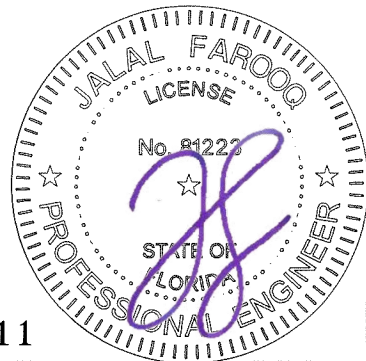
SUBSTRATE	NO. OF ANCHORS AT TRANSOM ENDS	
	WITHOUT REINF.	WITH REINF.
WOOD	6	8
MASONRY	6	8
CONCRETE	4	4
METAL	4	5



MID-RAIL (OPTIONAL)
SEE SHEET 16
LIMIT MAX. LOADS
TO 75 PSF
MAX. LEAF WIDTH = 42\"/>

DLO WIDTH (TRANSOM) = DOOR FRAME WIDTH - 5.50\"/>

NOTE:
FOR DOORS CAPACITY SEE SHEET 2.
FOR HORIZONTAL MULLION (TRANSOM BAR) CAPACITY SEE SHEET 3.
LOWER VALUES FROM DOORS OR HORIZONTAL MULLION (TRANSOM BAR) CHART
WILL APPLY TO ENTIRE SYSTEM.



FL #17811

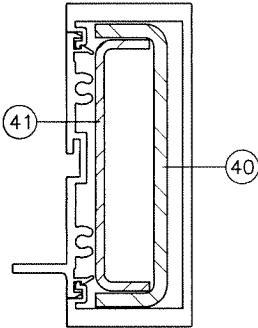
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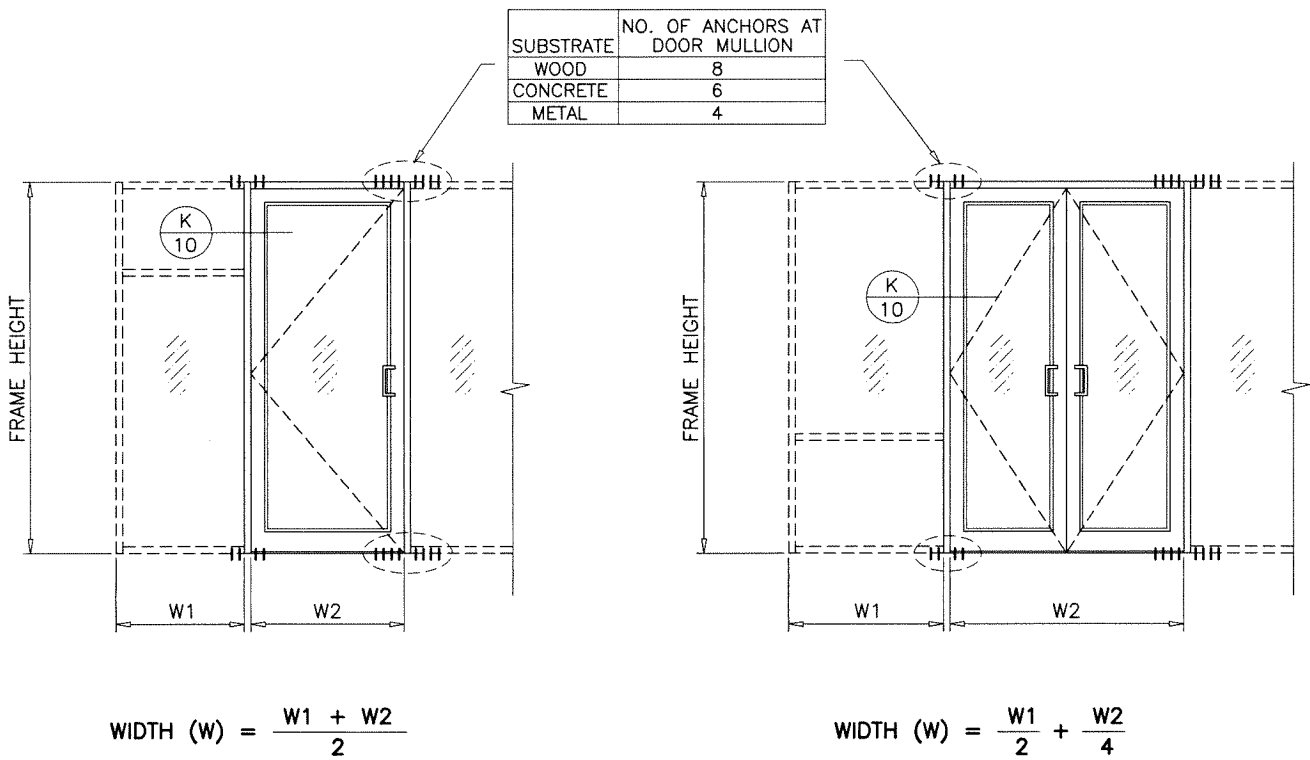
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date:	01-25-22	scale:	1/2"=1'-0"	dr. by:	TARIQ
chk. by:					
drawing no.	22-04F				
sheet	4 of 16				

DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		LOADS-PSF
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
24"	80"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		100.0
24"	84"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		100.0
24"	90"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
24"	96"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
24"	102"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
24"	108"	100.0
30"		100.0
36"		100.0
42"		100.0
24"	114"	100.0
30"		100.0
36"		100.0
42"		100.0
24"	120"	100.0
30"		100.0
36"		100.0
42"		100.0



DOOR MULLION



FL #17811

Sealed: 9/10/2026



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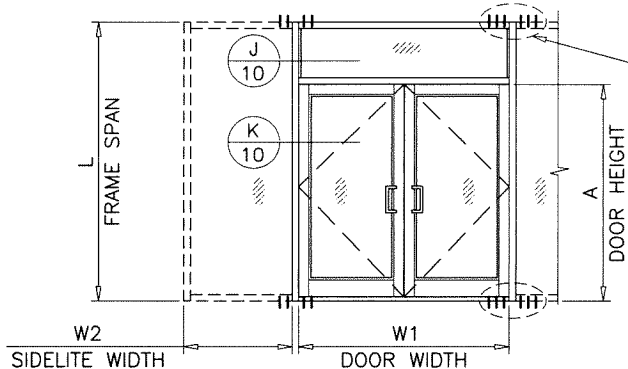
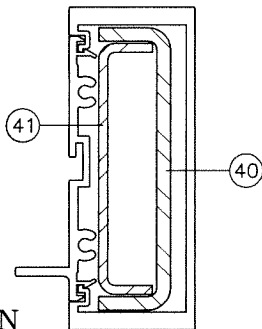
revisions:
no date by description

date: 01-25-22
scale: -
dr. by: TARIQ
chk. by:

drawing no.
22-04F
sheet 7 of 16

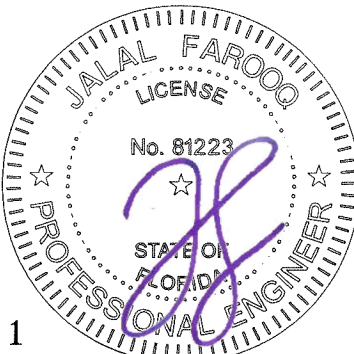
DOOR MULLION LOAD CAPACITY					DOOR MULLION LOAD CAPACITY					DOOR MULLION LOAD CAPACITY					DOOR MULLION LOAD CAPACITY				
NOMINAL DIMS.				LOADS-PSF	NOMINAL DIMS.				LOADS-PSF	NOMINAL DIMS.				LOADS-PSF	NOMINAL DIMS.				LOADS-PSF
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)	DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)	DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)	DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)
60"	30"	80"	108"	100.0	60"	30"	84"	108"	100.0	60"	30"	96"	108"	100.0	60"	30"	108"	114"	100.0
	33"			100.0		33"			100.0		33"			100.0		33"			100.0
	39"			100.0		39"			100.0		39"			100.0		39"			100.0
	42"			100.0		42"			100.0		42"			100.0		42"			100.0
72"	30"			100.0	72"	30"			100.0	72"	30"			100.0	72"	30"			100.0
	33"			100.0		33"			100.0		33"			100.0		33"			100.0
	39"			100.0		39"			100.0		39"			100.0		39"			100.0
	42"			100.0		42"			100.0		42"			100.0		42"			100.0
84"	30"			100.0	84"	30"			100.0	84"	30"			100.0	84"	30"			100.0
	33"			100.0		33"			100.0		33"			100.0		33"			100.0
	39"			97.6		39"			100.0		39"			100.0		39"			100.0
	42"			95.0		42"			97.8		42"			100.0		42"			100.0
96"	30"			96.2	96"	30"			99.4	96"	30"			100.0	96"	30"			100.0
	33"			93.7		33"			96.8		33"			100.0		33"			100.0
	39"			89.2		39"			91.9		39"			100.0		39"			100.0
	42"			87.1		42"			89.7		42"			100.0		42"			100.0
60"	30"	80"	114"	100.0	60"	30"	84"	114"	100.0	60"	30"	96"	114"	100.0	60"	30"	108"	120"	100.0
	33"			100.0		33"			100.0		33"			100.0		33"			100.0
	39"			100.0		39"			100.0		39"			100.0		39"			100.0
	42"			100.0		42"			100.0		42"			100.0		42"			100.0
72"	30"			100.0	72"	30"			100.0	72"	30"			100.0	72"	30"			100.0
	33"			100.0		33"			100.0		33"			100.0		33"			100.0
	39"			94.3		39"			96.4		39"			100.0		39"			100.0
	42"			91.7		42"			93.6		42"			100.0		42"			98.4
84"	30"			92.6	84"	30"			94.8	84"	30"			100.0	84"	30"			100.0
	33"			90.0		33"			92.2		33"			100.0		33"			99.3
	39"			85.4		39"			87.3		39"			96.0		39"			93.1
	42"			83.2		42"			85.1		42"			93.3		42"			90.3
96"	30"			83.9	96"	30"			86.1	96"	30"			95.8	96"	30"			93.9
	33"			81.8		33"			83.9		33"			93.1		33"			91.1
	39"			78.0		39"			79.8		39"			88.1		39"			
60"	30"	80"	120"	100.0	60"	30"	84"	120"	100.0	60"	30"	96"	120"	100.0	60"	30"			
	33"			99.8		33"			100.0		33"			100.0		33"			
	39"			93.6		39"			95.0		39"			100.0		39"			
	42"			90.7		42"			92.1		42"			98.1		42"			
72"	30"			91.3	72"	30"			93.0	72"	30"			100.0	72"	30"			
	33"			88.6		33"			90.2		33"			97.3		33"			
	39"			83.7		39"			85.1		39"			91.3		39"			
	42"			81.4		42"			82.7		42"			88.6		42"			
84"	30"			81.9	84"	30"			83.4	84"	30"			90.5	84"	30"			
	33"			79.7		33"			81.2		33"			87.9		33"			
	39"			75.6		39"			77.0		39"			83.0		39"			
	42"			73.8		42"			75.0		42"			80.7		42"			
96"	30"			74.2	96"	30"			75.7	96"	30"			82.3	96"	30"			
	33"			72.4		33"			73.8		33"			80.1		33"			

DOOR MULLION

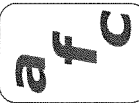


SUBSTRATE	NO. OF ANCHORS AT DOOR MULLION
WOOD	12
CONCRETE	8
METAL	6

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FL #17811



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SERIES K2LM ALUM OUT-SWING ENTRANCE DOOR

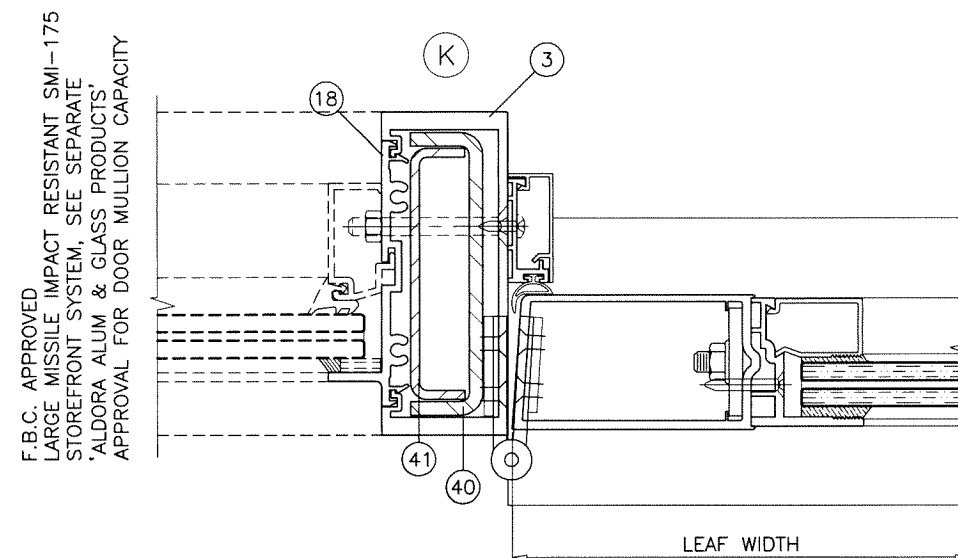
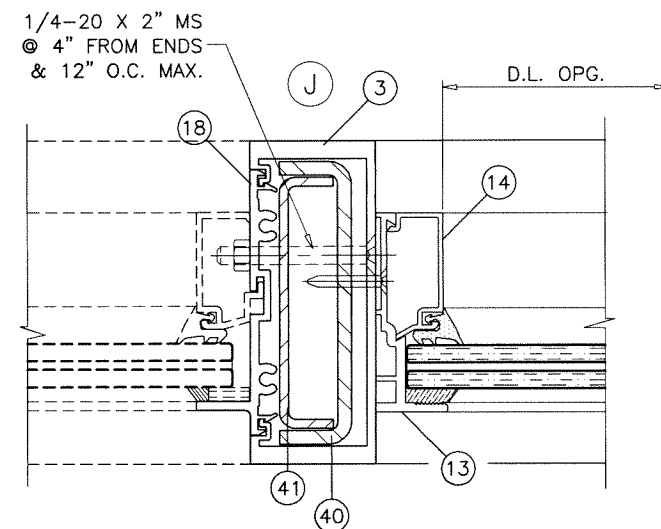
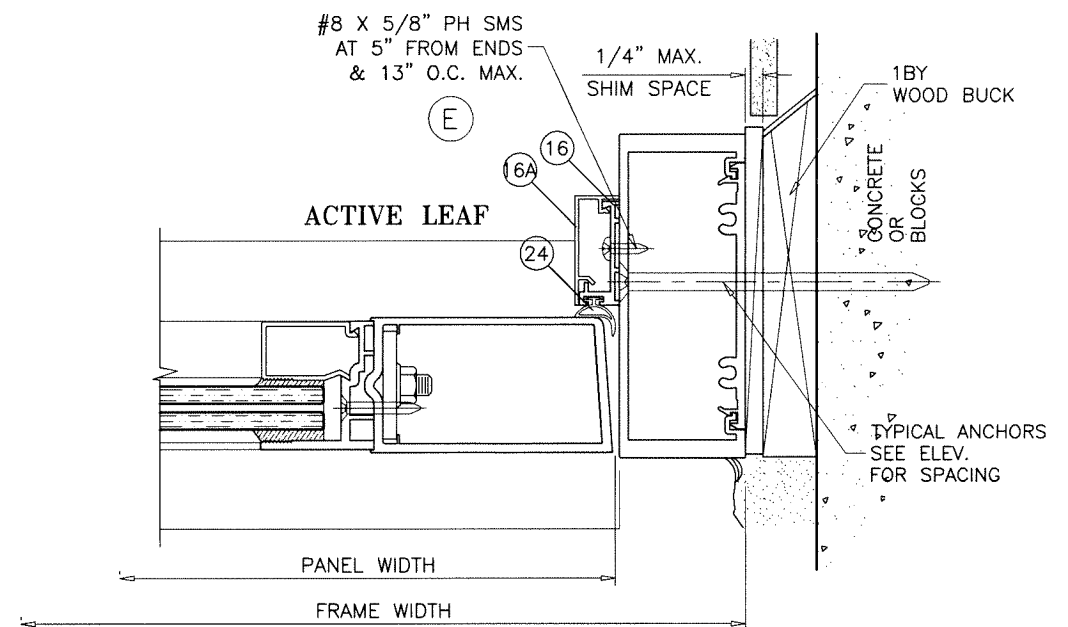
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
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revisions:
no. date by description

date: 01-25-22
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dr. by: TARIQ
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drawing no.
22-04F
sheet 8 of 16

COMP-ANL 22-04F-AAG
FBPE #3538

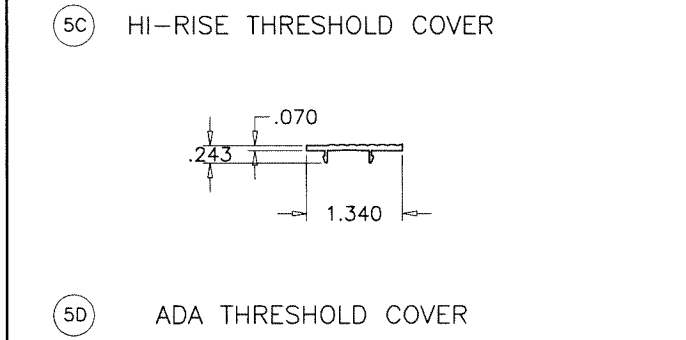
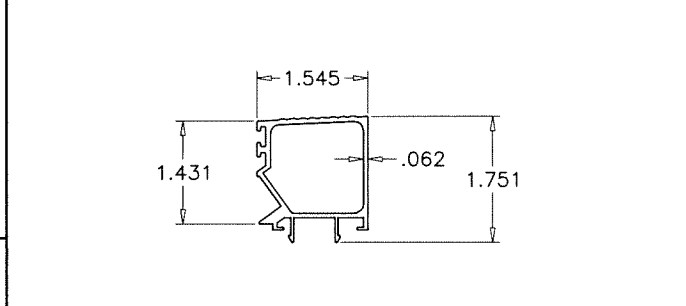
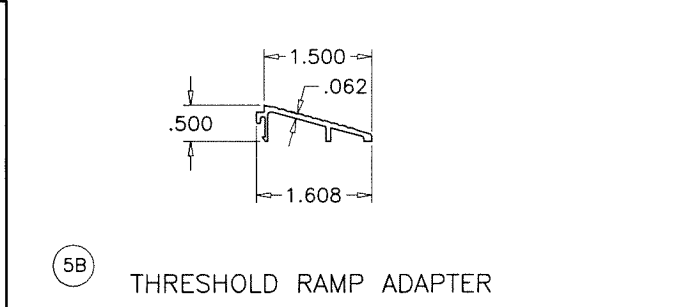
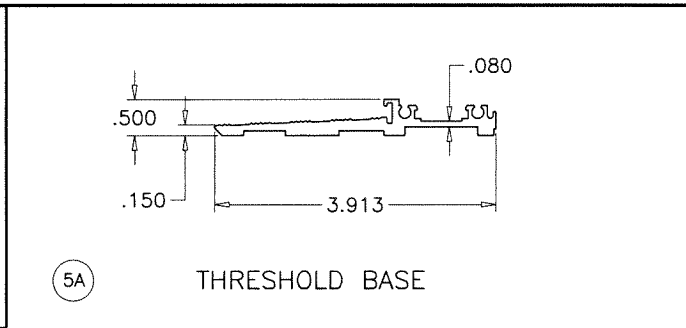
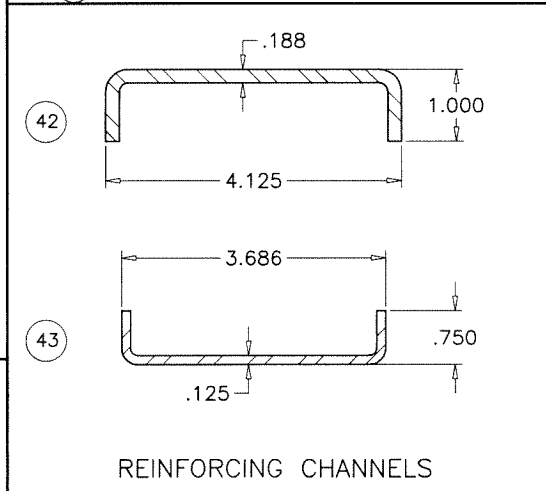
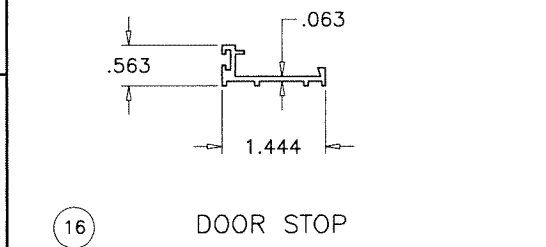
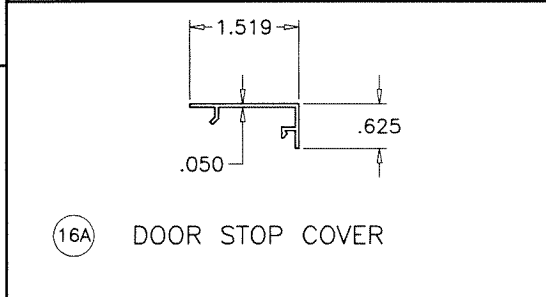
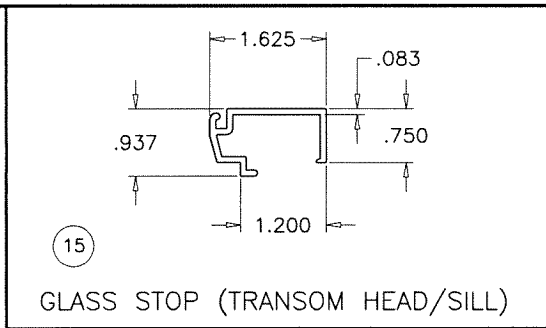
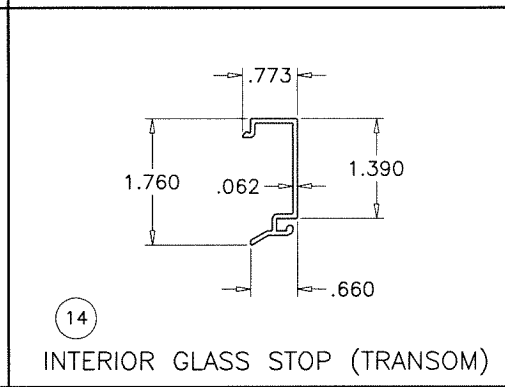
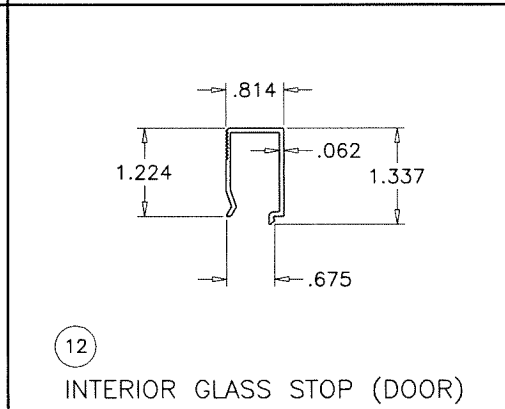
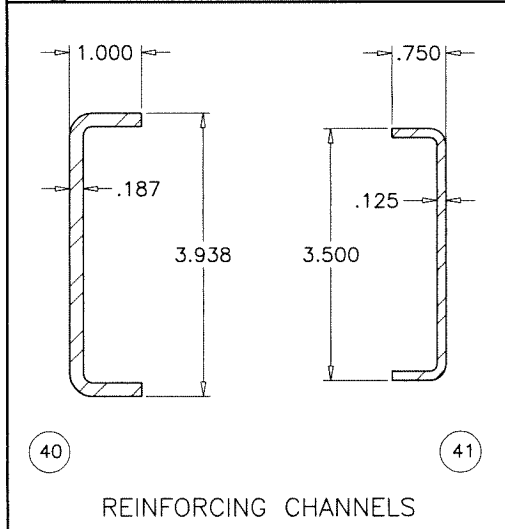
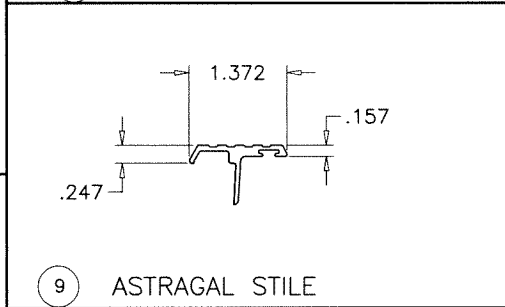
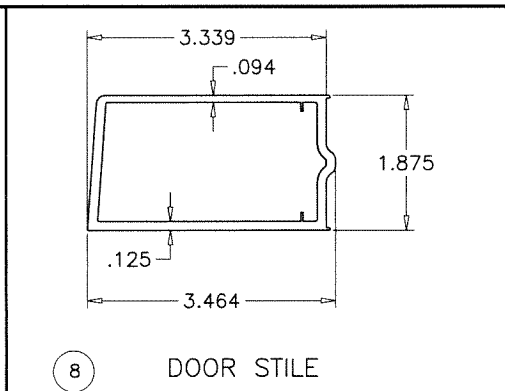
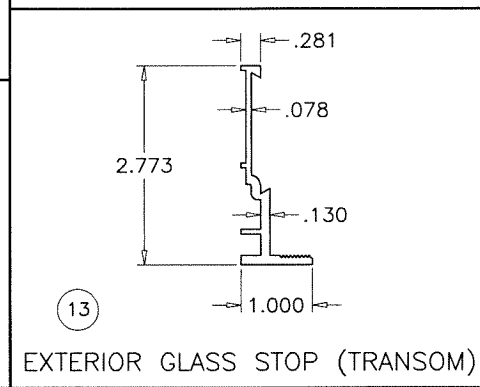
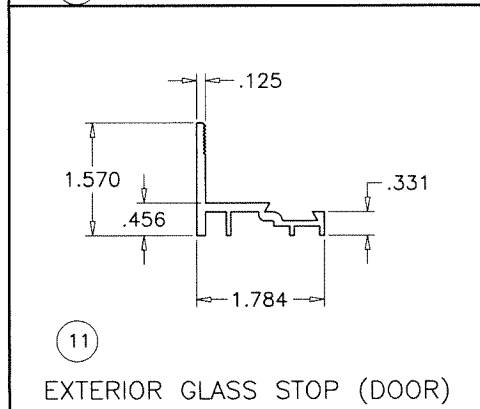
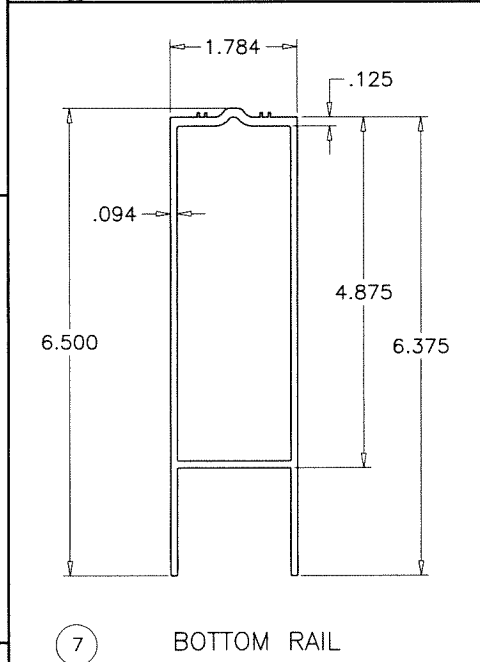
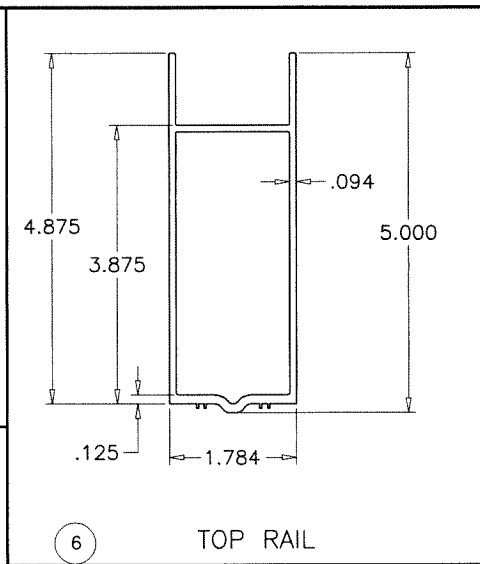
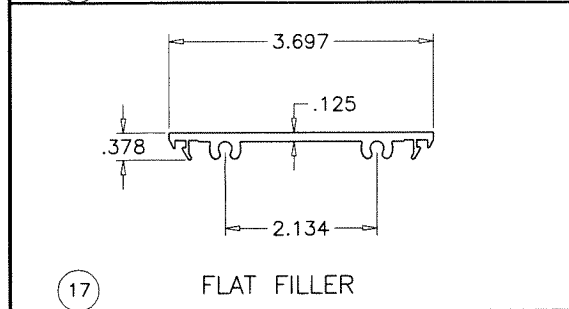
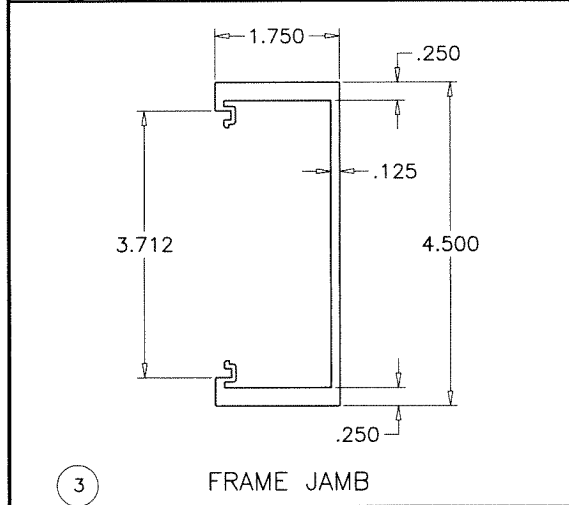
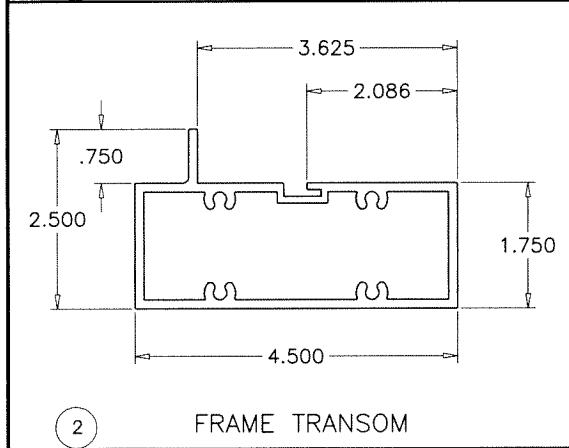
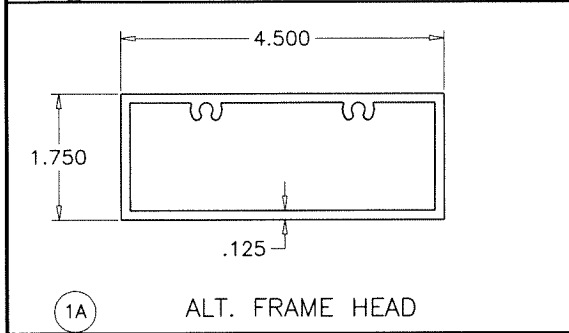
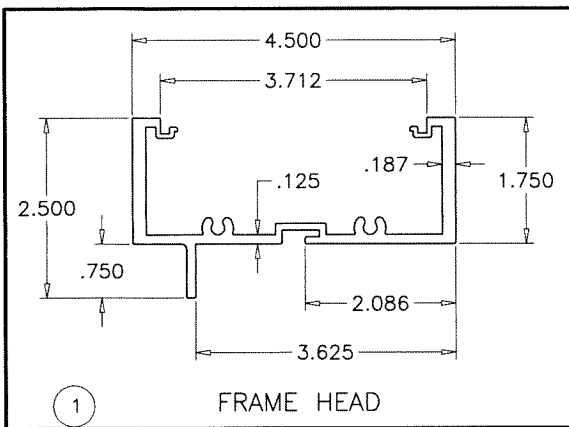


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FBPE #3538

SERIES K2LM ALUM OUT-SWING ENTRANCE DOOR

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Coral Springs, FL 33065
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no	by description

date: 01-25-22

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

22-04F

sheet 12 of 16

LOCK OPTIONS:

OPTION 1:

SINGLE LEAF DOORS:

ALL SINGLE LEAF DOORS TO BE FITTED WITH 3 POINT LOCK

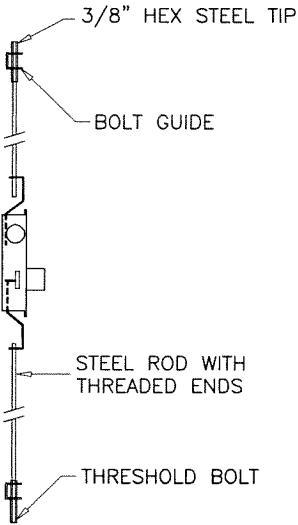
DOUBLE LEAF DOORS:

ACTIVE LEAF:

THREE POINT LOCK SYSTEM WITH 5 PLY HOOK LOCK BOLT REGENT 2222, KEY OPERATED ON EXTERIOR AND THUMB-TURN ON INTERIOR, LOCATED AT 34" FROM BOTTOM OF PANEL

INACTIVE LEAF:

TWO POINT LOCK SYSTEM SULLIVAN CH 103 WITH THUMB TURN ON THE INTERIOR, LOCATED AT 34" FROM BOTTOM OF PANEL



OPTION 2:

SINGLE LEAF DOORS:

ALL SINGLE LEAF DOORS TO BE FITTED WITH 3 POINT LOCK

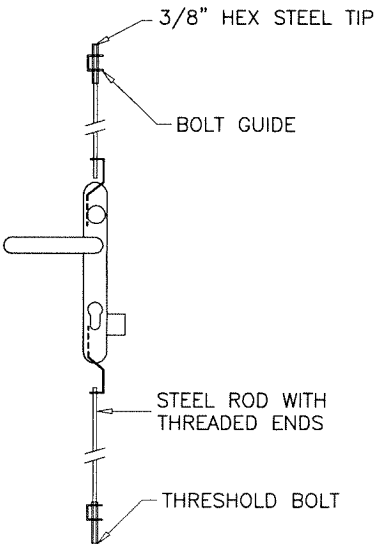
DOUBLE LEAF DOORS:

ACTIVE LEAF:

THREE POINT LOCK SYSTEM WITH 4 PLY HOOK LOCK REGENT NO. 206-3P, KEY OPERATED ON EXTERIOR AND THUMB-TURN ON INTERIOR, LOCATED AT 36" FROM BOTTOM OF PANEL

INACTIVE LEAF:

TWO POINT LOCK SYSTEM SULLIVAN CH 103 WITH THUMB TURN ON THE INTERIOR, LOCATED AT 36" FROM BOTTOM OF PANEL



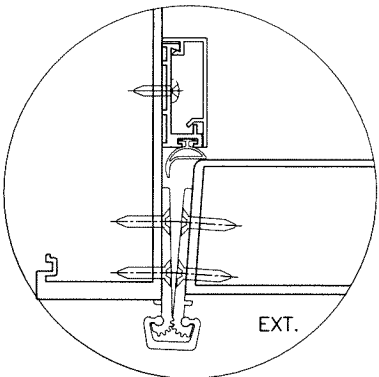
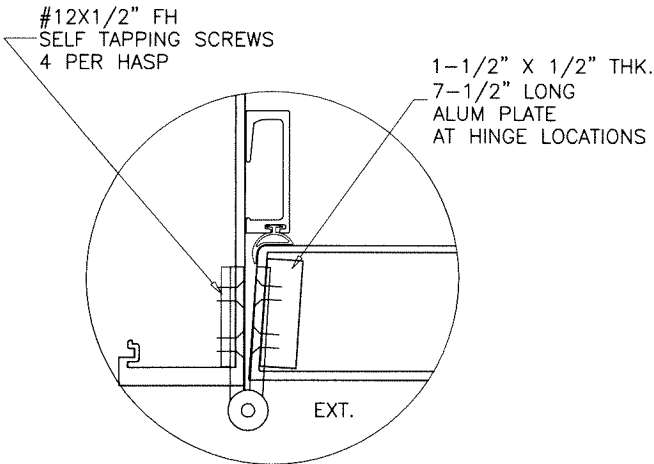
HINGE OPTIONS:

BUTT HINGES:

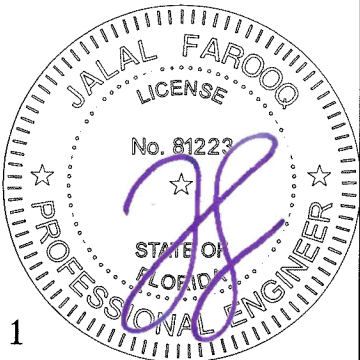
4-1/2 X 4" TWO PIECE STAINLESS STEEL BUTT HINGES AT 8" FROM TOP AND BOTTOM AND 26" O.C. MAX.

ROTON HINGE:

LIMIT MAX. DESIGN LOADS = ±75.0 PSF
MAX. LEAF WIDTH = 42"
MAX. FRAME HEIGHT = 96"



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