

TUBELITE INC. STANDARD ENTRANCE SERIES ALUMINUM OUT-SWING DOOR

THESE DOORS ARE RATED FOR LARGE MISSILE IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

**STANDARD
ALUMINUM OUT-SWING ENTRANCE DOOR**

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE AND
DOUBLE DOORS.

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

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA
BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

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 2017/2020 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.

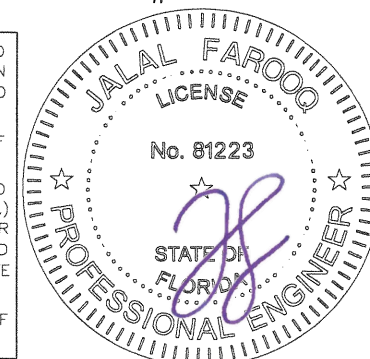
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

Sealed: 12/16/20

FL #29696



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.

afc

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

STANDARD ALUMINUM OUTSWING DOOR (L.M.I.)

TUBELITE INC.
3056 Walker Ridge Dr. N.W., Suite G
Walker, MI 49544
Tel. 800-866-2227 Fax.

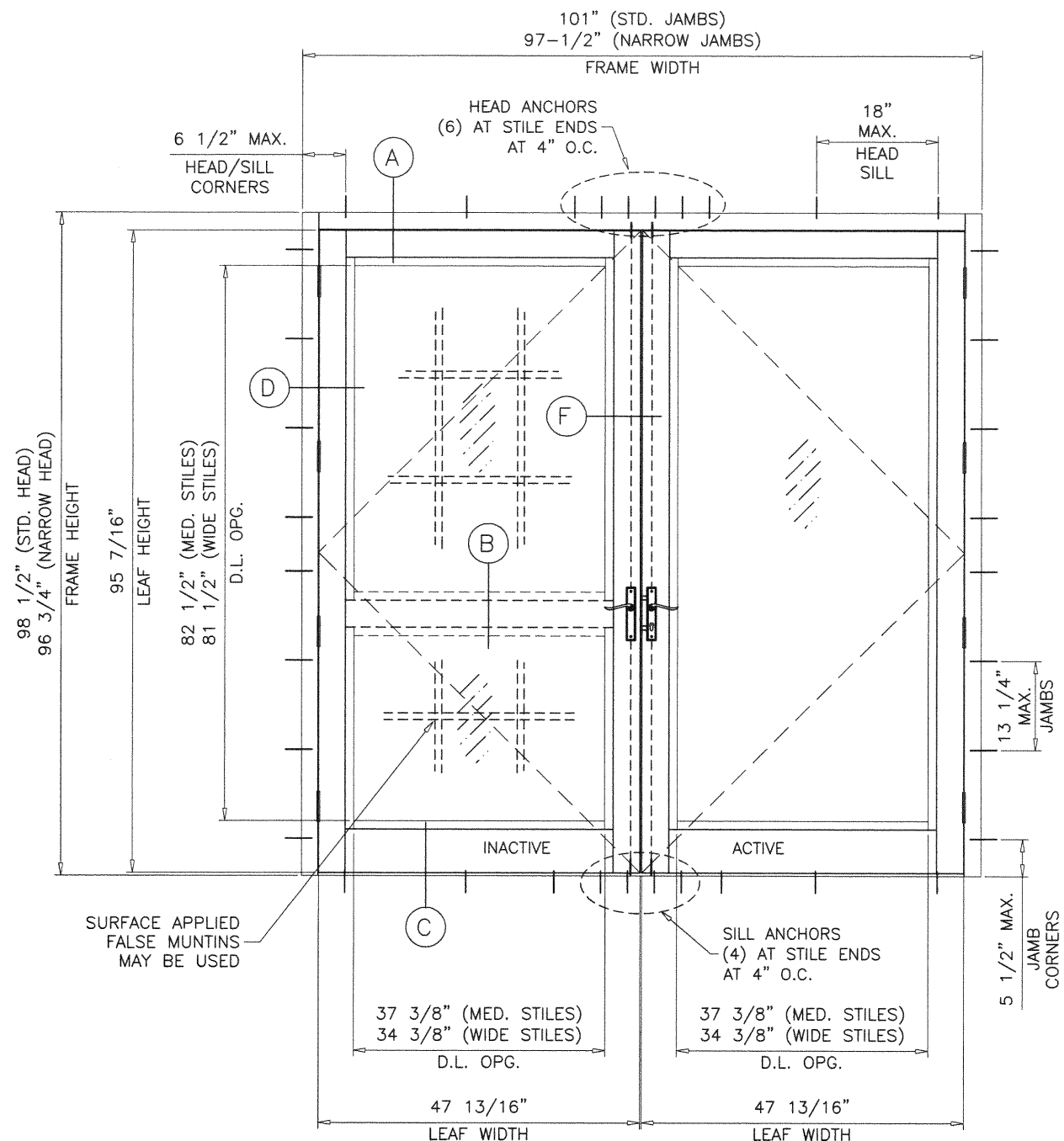
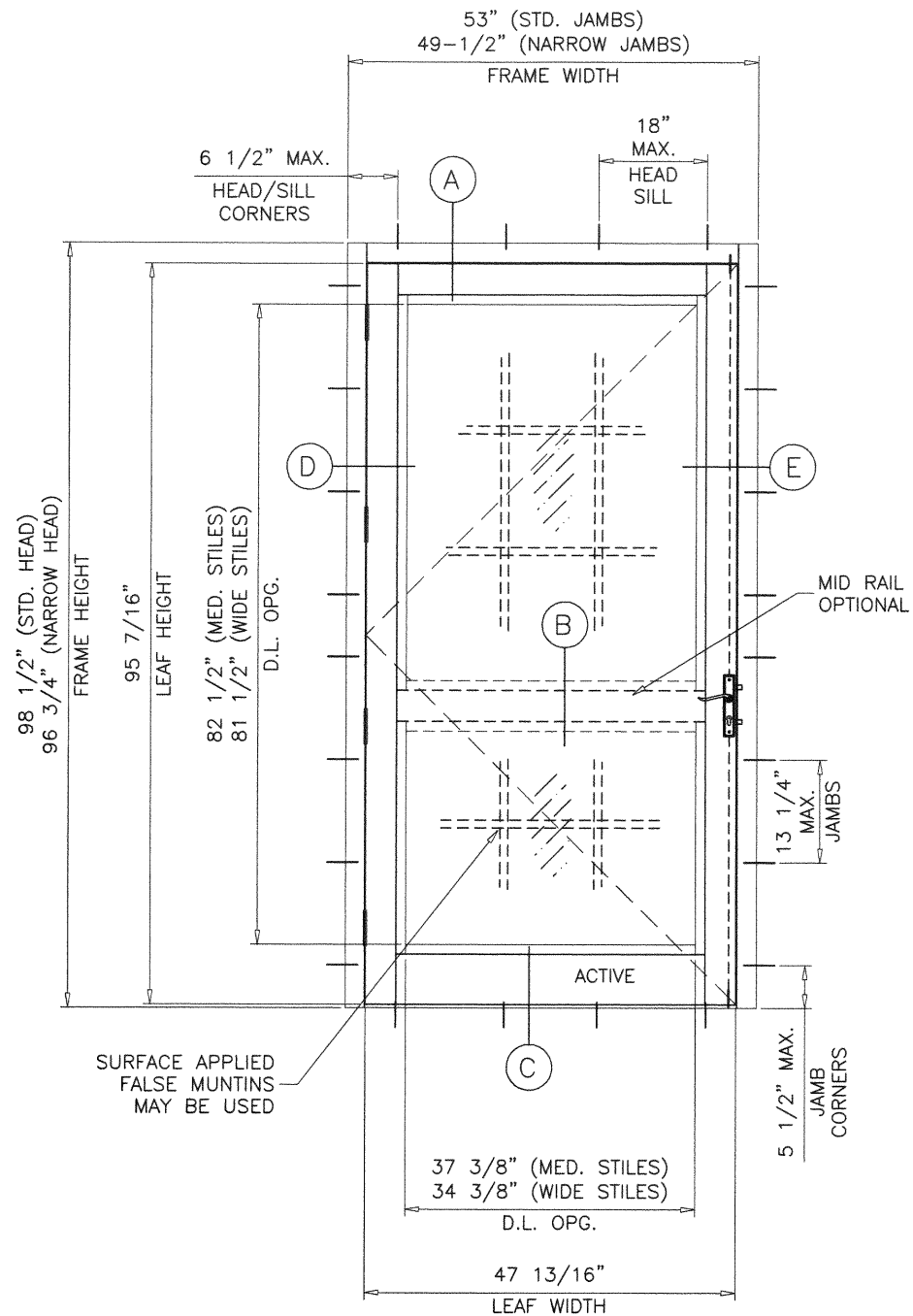
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date: 05-10-19
scale: -
dr. by: TARIQ
chk. by:

drawing no.
19-41F

sheet 1 of 15

COMP-ANL\19-41F-TLI



TYPICAL ELEVATIONS

SINGLE DOORS LOAD CAPACITY - PSF					
DOOR OPNG. DIMS.		LEAF DIMS.		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
48"	96"	47-13/16"	95-7/16"	70.0	70.0
37-1/2"	108" *	37-5/16"	107-7/16"	66.0	66.0

DOUBLE DOORS LOAD CAPACITY - PSF					
DOOR OPNG. DIMS.		LEAF DIMS.		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
96"	96"	47-13/16"	95-7/16"	70.0	70.0
75"	108" *	37-5/16"	107-7/16"	66.0	66.0

GLASS D.L.O. FORMULAE:

D.L.O. WIDTH = LEAF WIDTH - 10.438" (MEDIUM STILES)
 = LEAF WIDTH - 13.438" (WIDE STILES)

D.L.O. HEIGHT = LEAF HEIGHT - 12.938" (MEDIUM STILES)
 = LEAF HEIGHT - 13.938" (WIDE STILES)

DOOR LEAF WIDTH (X DOORS) = FRAME WIDTH - 5.187" (STD. JAMBS)
 = FRAME WIDTH - 1.687" (NARROW JAMBS)

DOOR LEAF WIDTH (XX DOORS) = FRAME WIDTH - 5.375" (STD. JAMBS)
 = FRAME WIDTH - 1.875" (NARROW JAMBS)

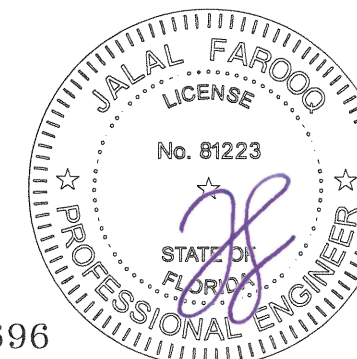
DOOR LEAF HEIGHT = FRAME HEIGHT - 3.062" (STD. HEAD)
 = FRAME HEIGHT - 1.3125" (NARROW HEAD)

* LIMIT THESE SIZES TO DOORS GLAZED WITH DOWSIL 995 ONLY.

NOTE:
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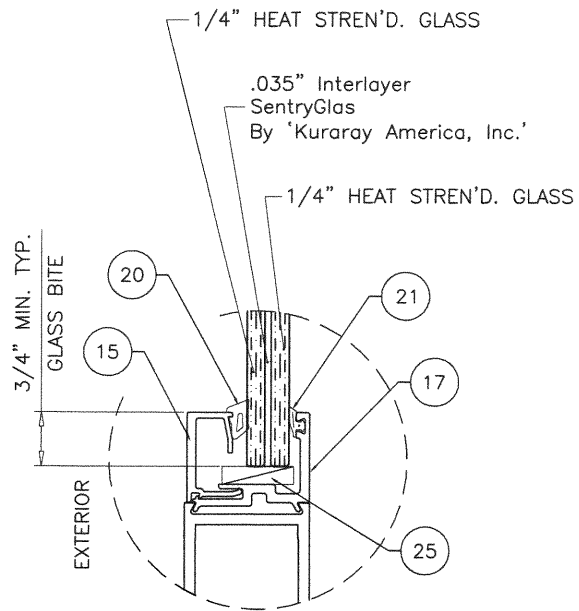
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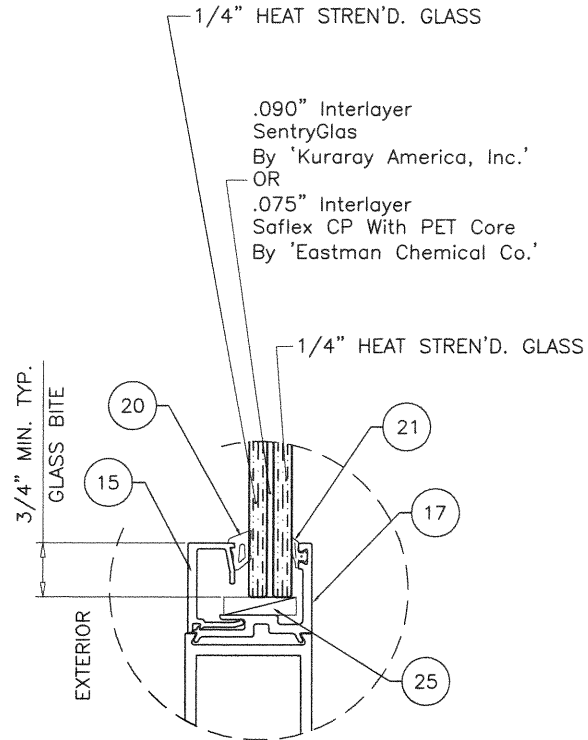
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19-41F

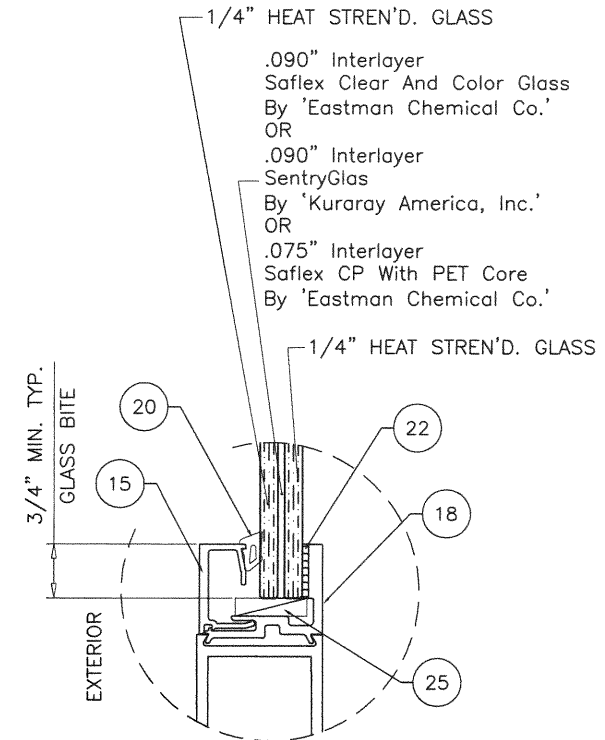
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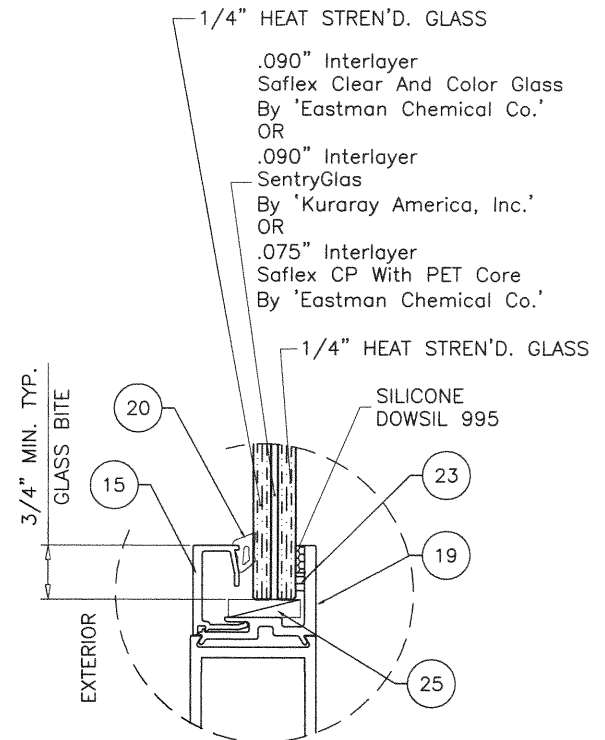
GLASS TYPE 'C'
9/16" OVERALL LAM. GLASS



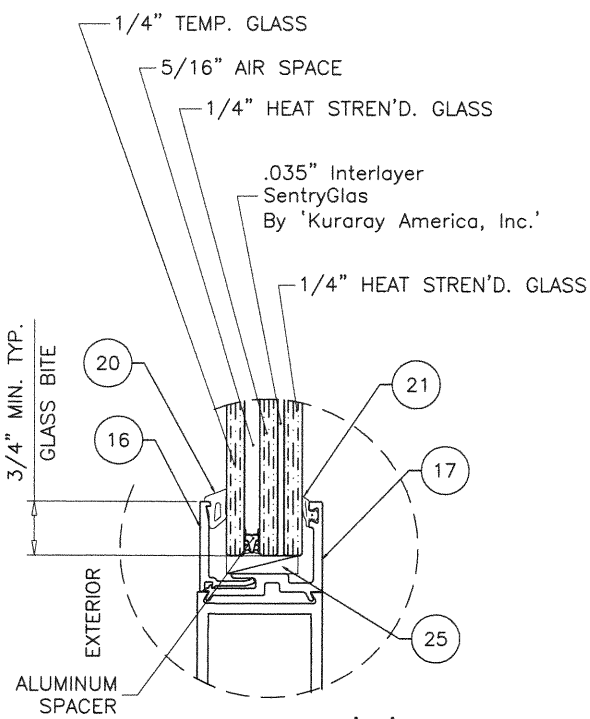
GLASS TYPE 'D'
9/16" OVERALL LAM. GLASS



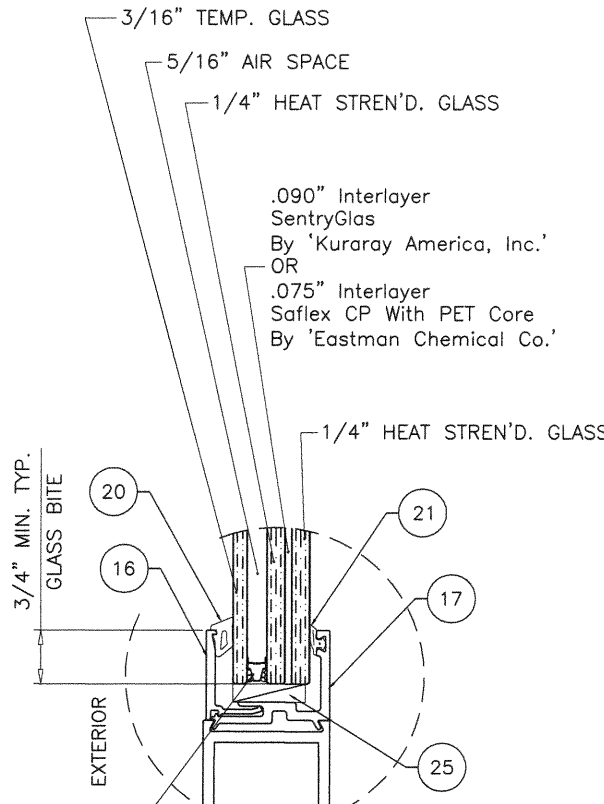
GLASS TYPE 'D1'
9/16" OVERALL LAM. GLASS



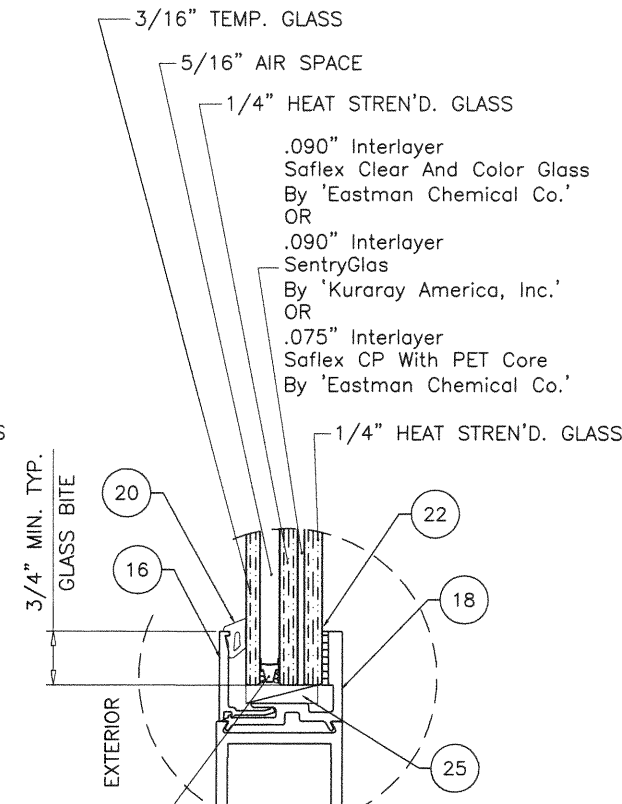
GLASS TYPE 'D2'
9/16" OVERALL LAM. GLASS



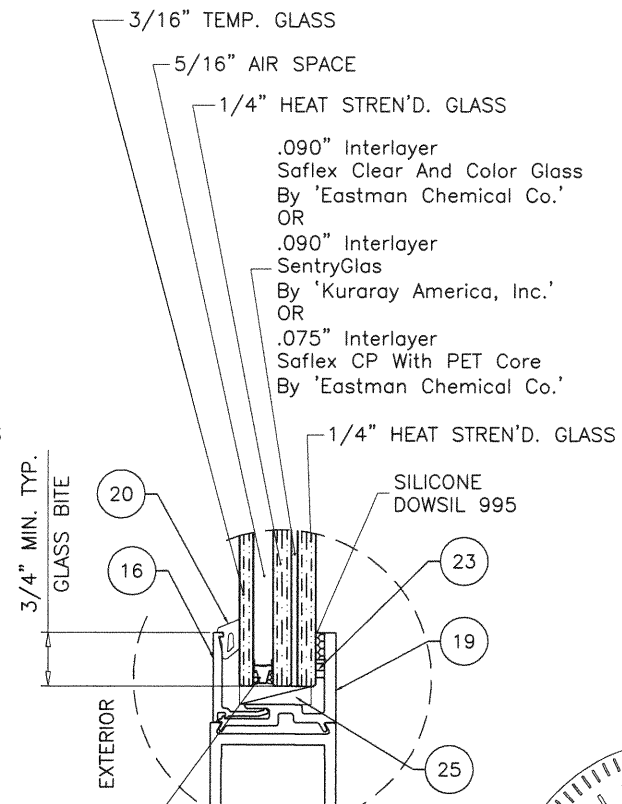
GLASS TYPE 'Ci'
1-1/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'Di'
1-1/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'D1i'
1-1/16" OVERALL INSUL. LAM. GLASS



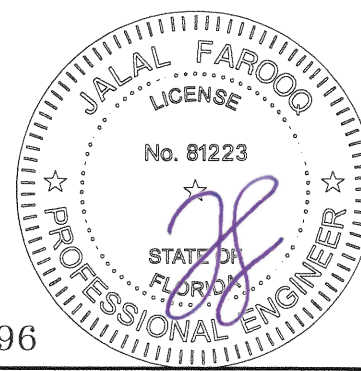
GLASS TYPE 'D2i'
1-1/16" OVERALL INSUL. LAM. GLASS

**GLAZING DETAILS
LEVEL 'C' IMPACT**

**GLAZING DETAILS
LEVEL 'D' IMPACT**

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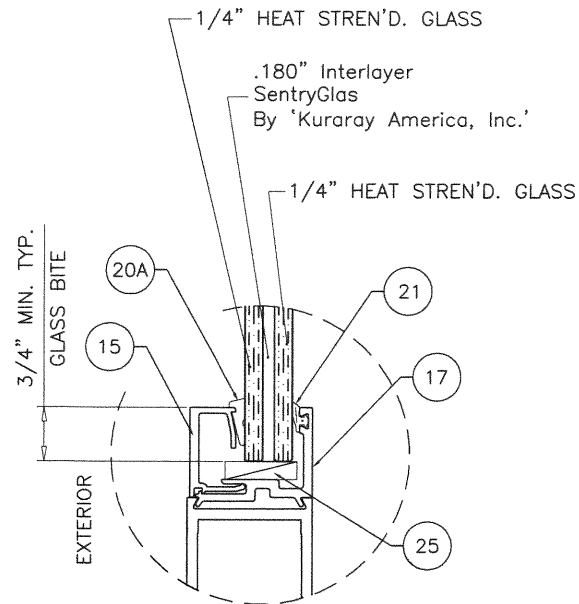
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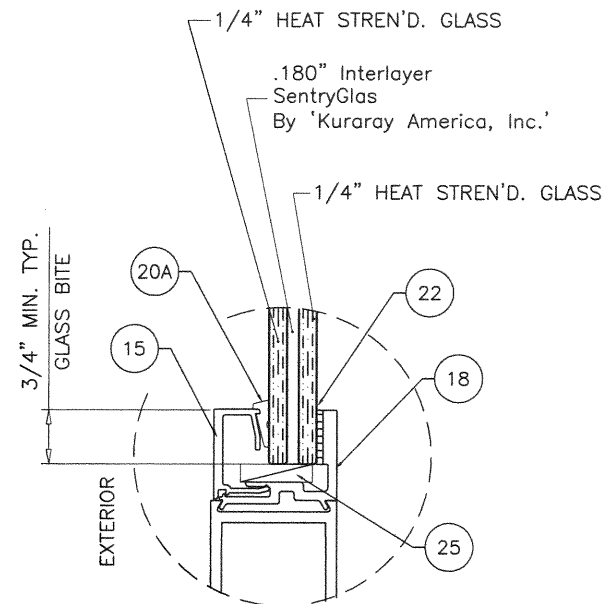
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chk. by:

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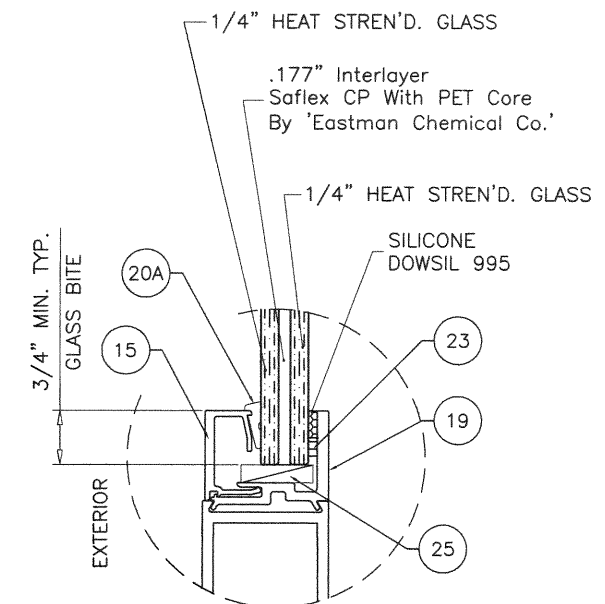
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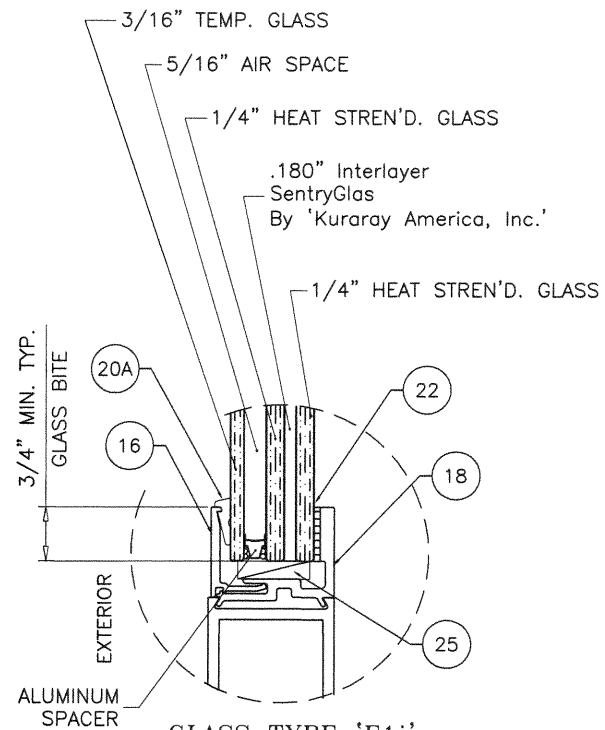
GLASS TYPE 'E'
11/16" OVERALL LAM. GLASS



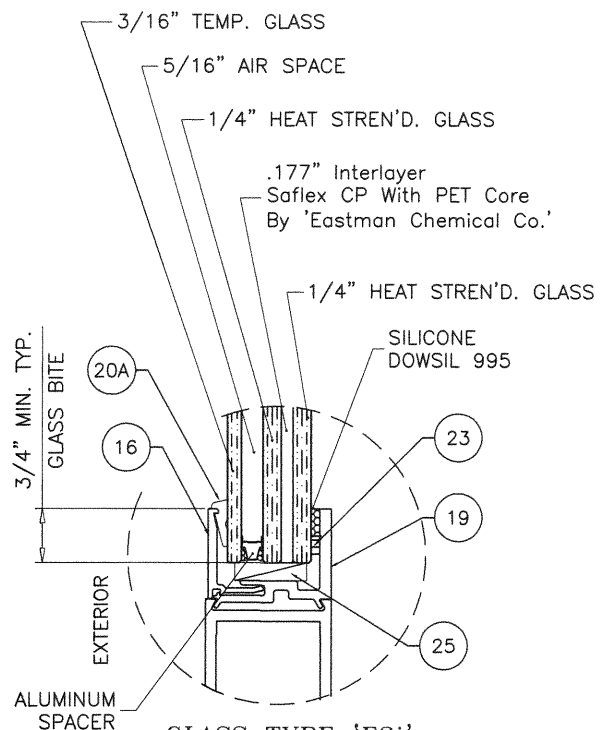
GLASS TYPE 'E1'
11/16" OVERALL LAM. GLASS



GLASS TYPE 'E2'
11/16" OVERALL LAM. GLASS



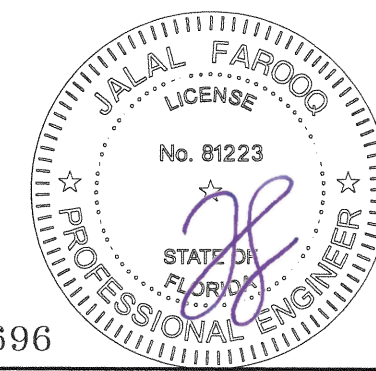
GLASS TYPE 'E1i'
1-3/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'E2i'
1-3/16" OVERALL INSUL. LAM. GLASS

**GLAZING DETAILS
LEVEL 'E' IMPACT**

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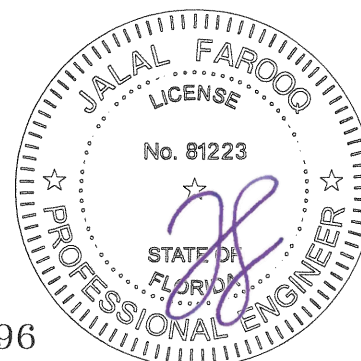
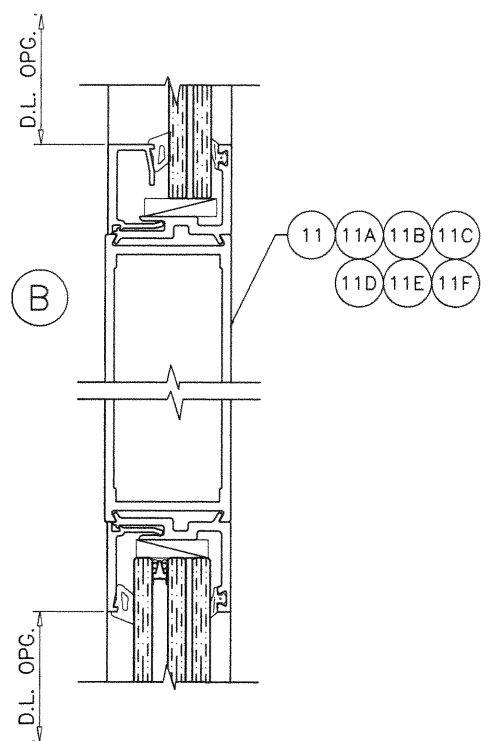
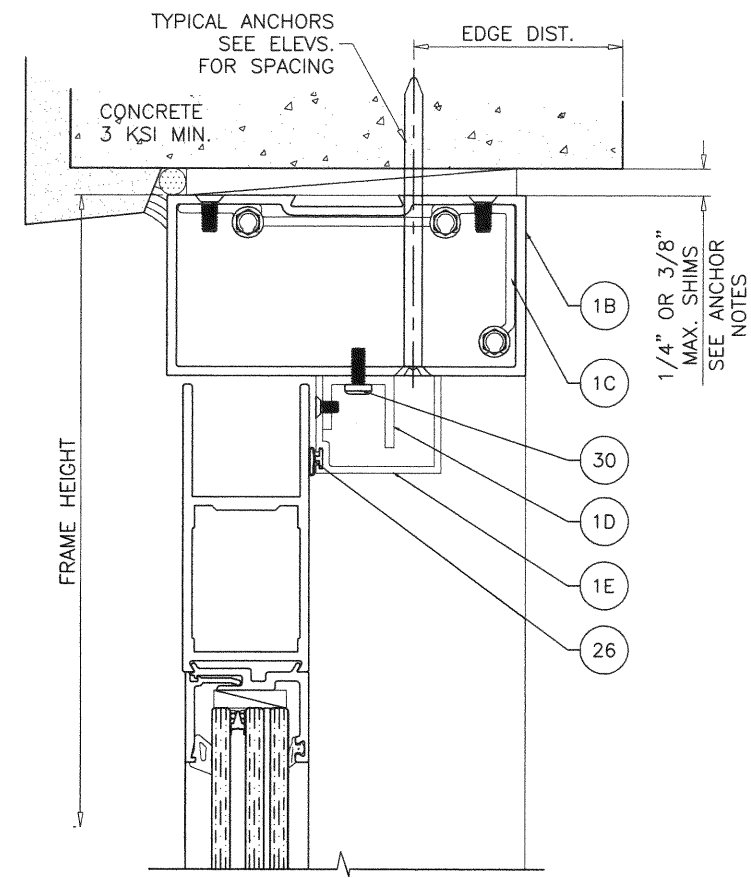
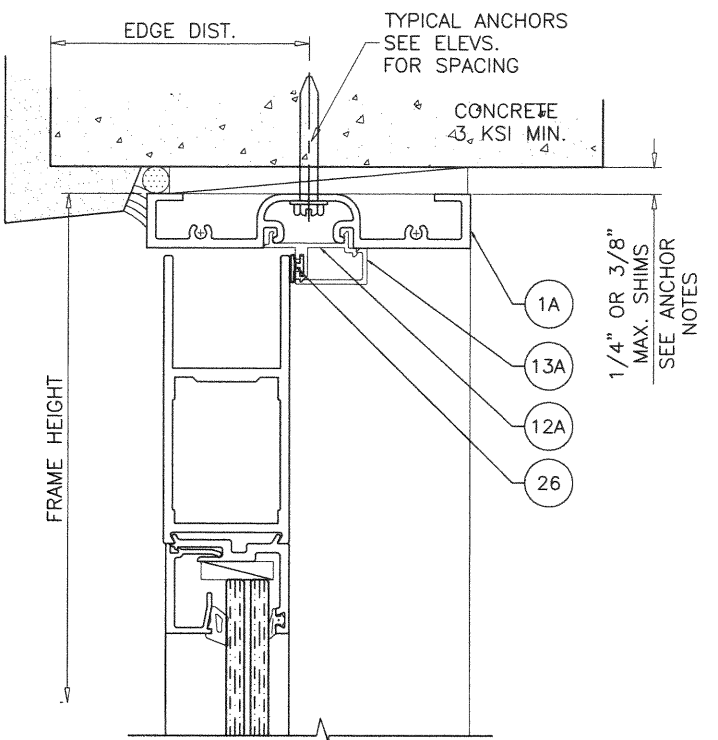
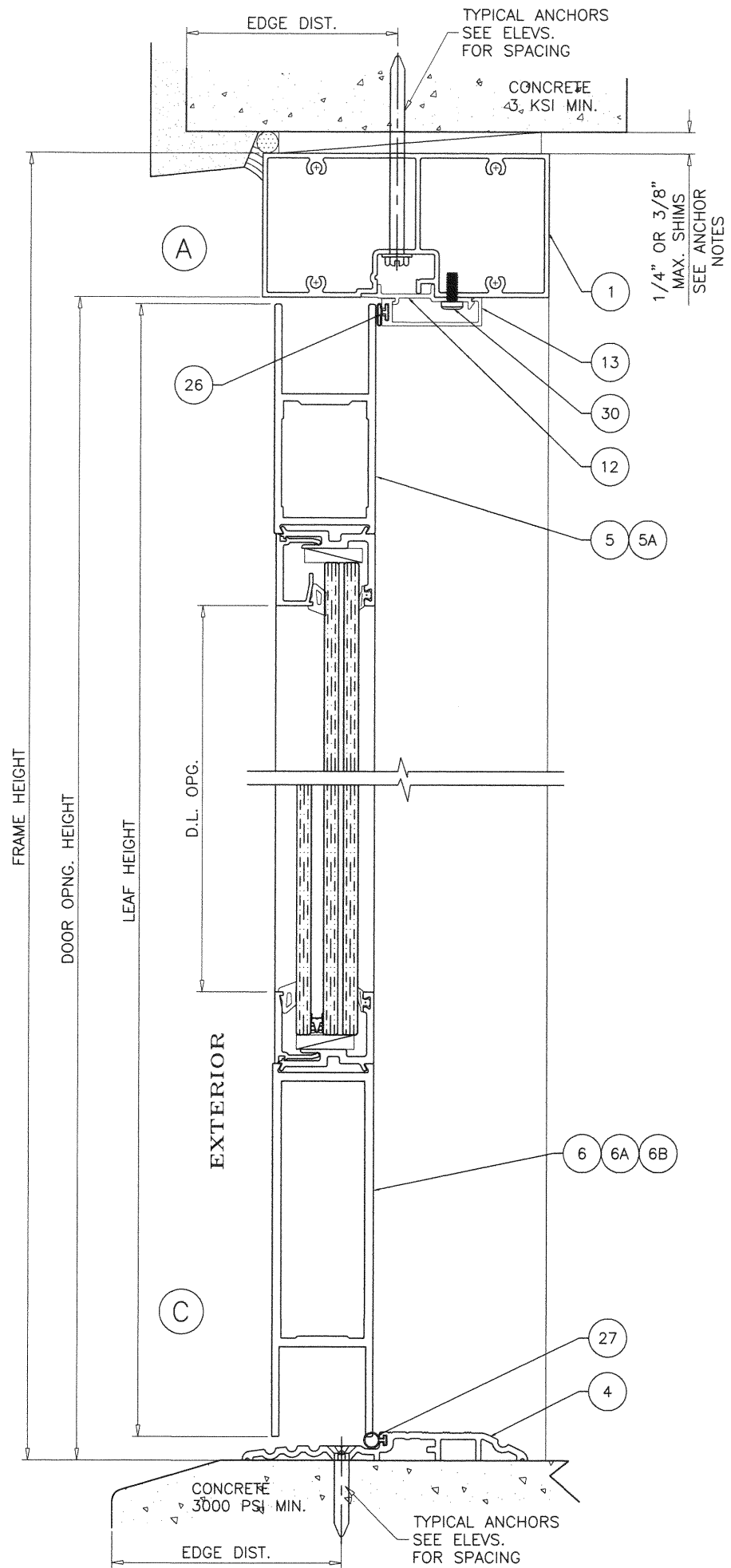


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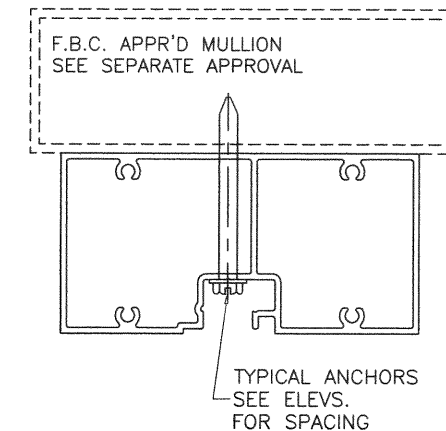
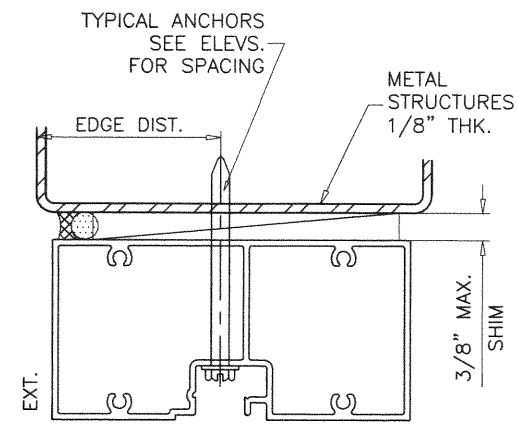
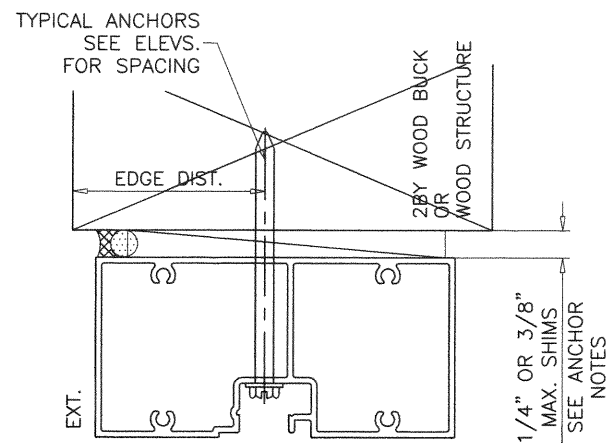
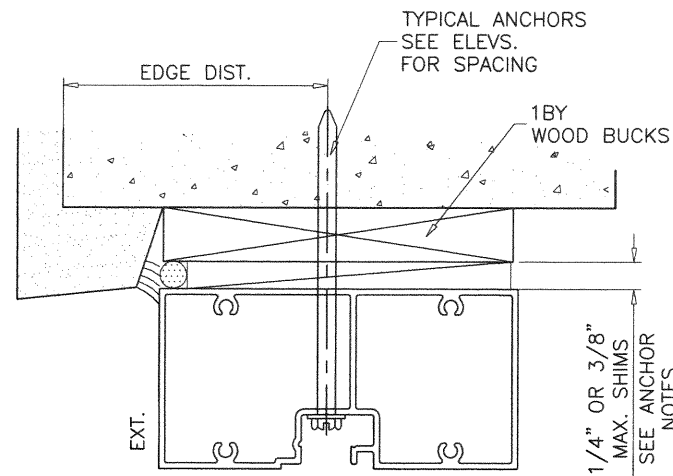
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WOOD BUCKS AND METAL STRUCTURE NOT BY 'TUBELITE INC.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
(1/4" MAX. SHIMS)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
(3/8" MAX. SHIMS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO MASONRY (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
(3/8" MAX. SHIMS)

INTO F.B.C. APPROVED MULLIONS
OR
INTO 18 GA. METAL STUDS (Fy = 33 KSI MIN.)
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 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 = 1/2" MIN.

WOOD AT HEAD OR JAMBS SG = 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.



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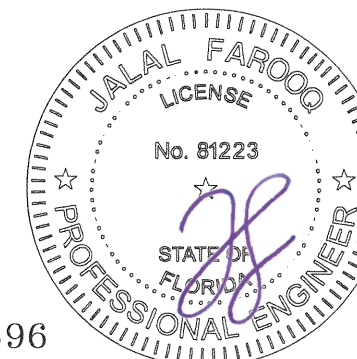
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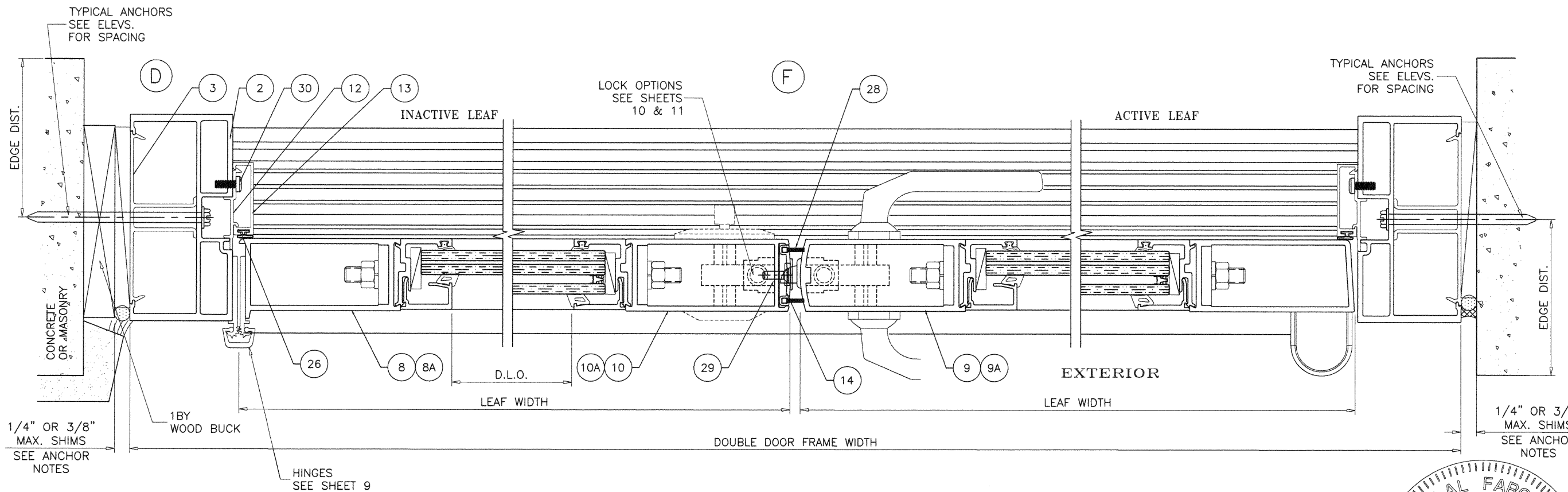
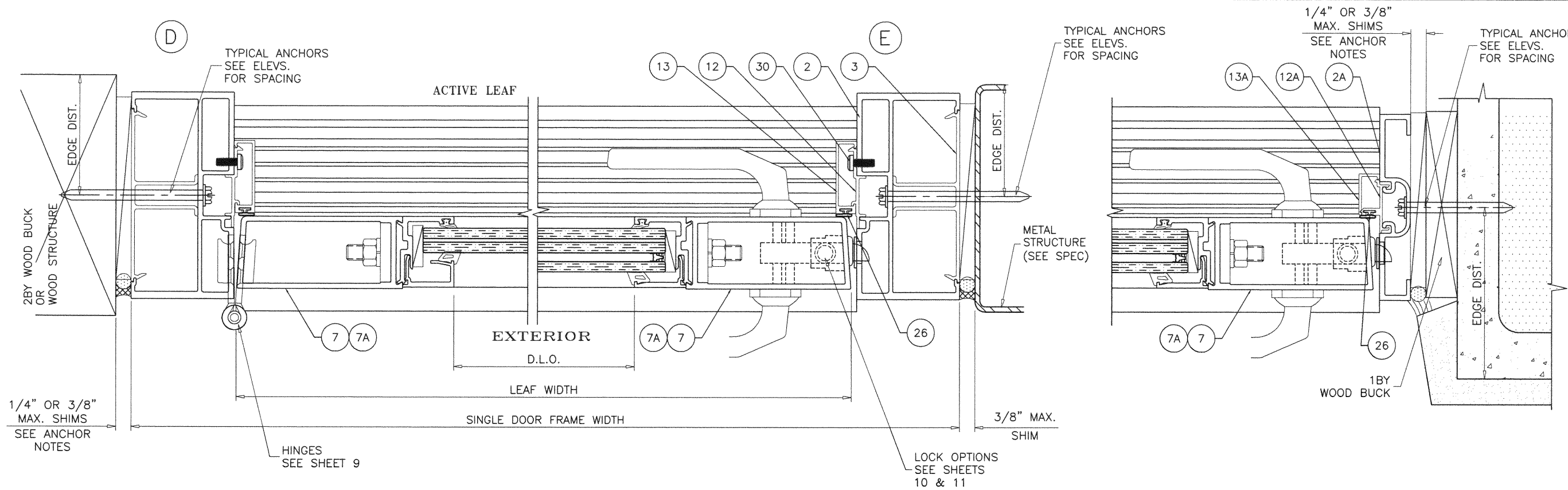
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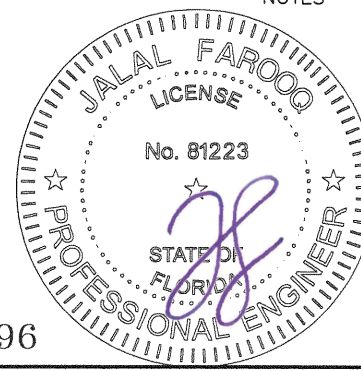
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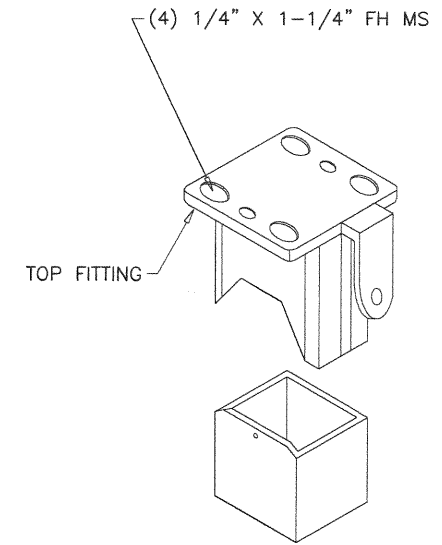
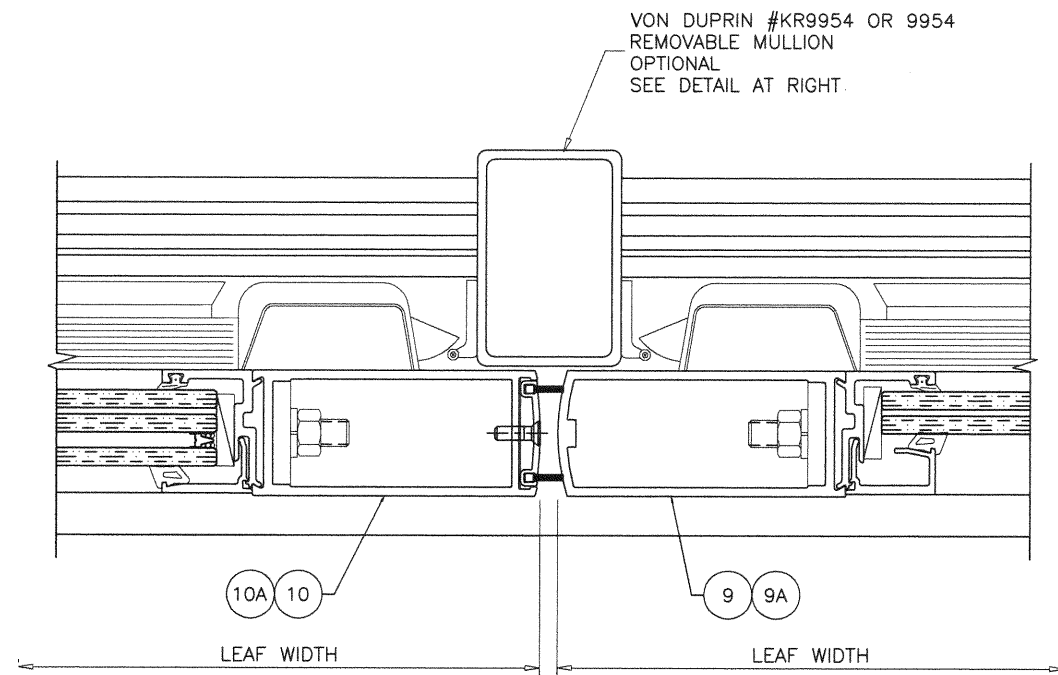
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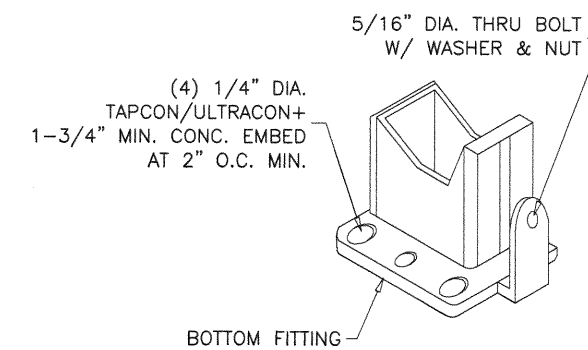
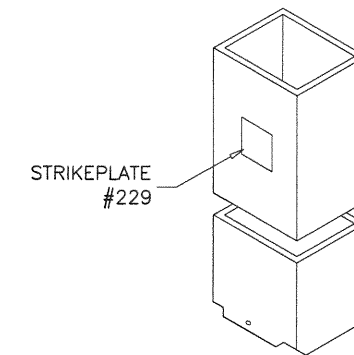


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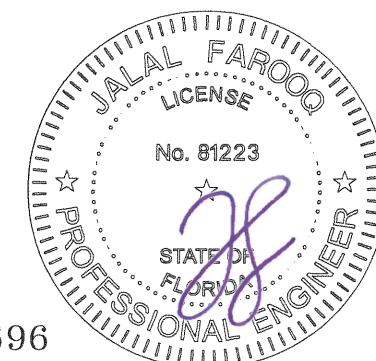


VON DUPRIN #KR9954
REMOVABLE MULLION
OPTIONAL
(USE ONLY WITH RIM EXIT DEVICE)



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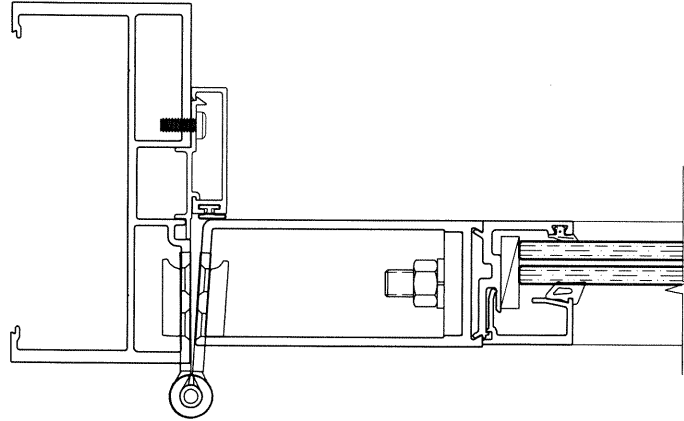
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HINGE OPTIONS:

OPTION #1:

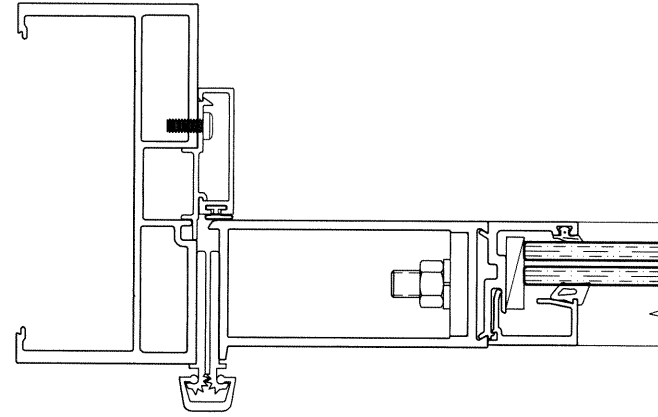
4-1/2" LONG FLUSH MOUNT STEEL BUTT HINGES
 'BB1191' BY 'HAGER' OR
 'ABH-663' BY 'ABH MANUFACTURING INC.'
 FASTENED WITH 12-20 X 1/2" FH MACHINE SCREWS
 FOUR PER HASP(LEAF).
 TOP AND BOTTOM HINGES AT 5-1/2" FROM ENDS
 INTERMEDIATE HINGES AT 32" O.C. MAX.

1" X 7-3/8" X 1/4" THK. ALUM BACK PLATE
 AT FRAME AND LEAF
 FASTENED WITH (4) #12-20 X 1/2" FH MACHINE SCREWS



OPTION #2:

CONTINUOUS GEAR ALUMINUM ROTON HINGE
 'SL 11HD' BY 'SELECT'
 '780' BY 'HAGER'
 'KCFM-95HD1' BY 'PEMKO'
 'A110HD' BY 'ABH'
 FASTENED TO FRAME JAMB AND TO JAMB STILE WITH
 #12-24 X 7/16" FH MS SCREWS
 IN PAIRS AT 2", 4" AND 6" FROM TOP AND BOTTOM ENDS
 AND IN SINGLE ROW AT 10" O.C. THEREAFTER.



OPTION #3:

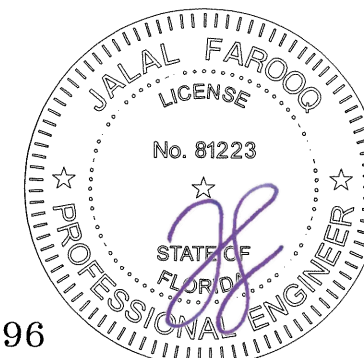
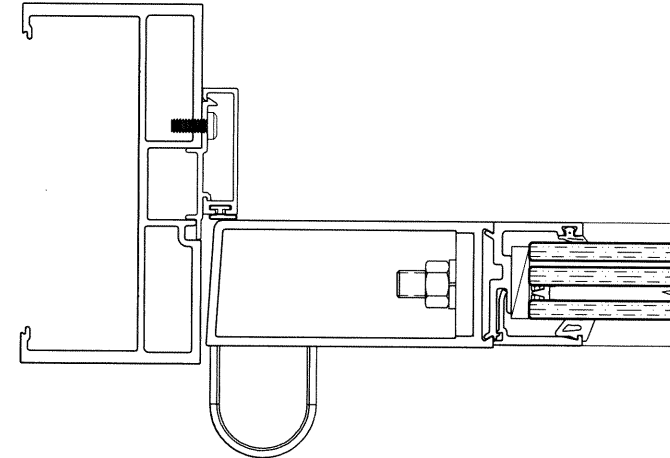
OFFSET PIVOT HINGES
 'P795DT/IL/DB' BY 'TUBELITE'
 '180/M19/147' BY 'RIXON'
 TOP AND BOTTOM HINGES
 FASTENED TO FRAME AND LEAF WITH
 (4) 1/4-20 X 5/8" FH MACHINE SCREWS

TOP SHIM 'C' CHANNEL
 (11/16" X 1-1/2" X 6-1/2" LONG X 1/8" FLANGE THK. X 1/4" WEB THK.)
 FASTENED WITH (2) 1/4-20 X 1-1/2" FH MACHINE SCREWS

BOTTOM SHIM 'C' CHANNEL
 (1-1/4" X 1-1/2" X 9-1/2" LONG X 1/8" FLANGE THK. X 1/4" WEB THK.)
 FASTENED WITH (2) 1/4-20 X 1-1/2" FH MACHINE SCREWS

INTERMEDIATE HINGES AT 35" O.C.
 FASTENED TO FRAME AND LEAF WITH
 (5) 1/4-20 X 5/8" FH MACHINE SCREWS

1" X 7-3/8" X 1/4" THK. ALUM BACK PLATE
 AT FRAME AND LEAF
 FASTENED WITH (4) #12-20 X 1/2" FH MACHINE SCREWS



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FL #29696

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\19-41F-TLJ

STANDARD ALUMINUM OUTSWING DOOR (L.M.I.)

TUBELITE INC.
 3056 Walker Ridge Dr. N.W., Suite G
 Walker, MI 49544
 Tel. 800-866-2227 Fax.

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no	date by description

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19-41F

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LOCK OPTIONS:

3 POINT LOCK

MAX. LEAF HEIGHT = 96 IN.
 MAX. LEAF WIDTH = 48 IN.
 MAX. DESIGN LOAD = 70 PSF

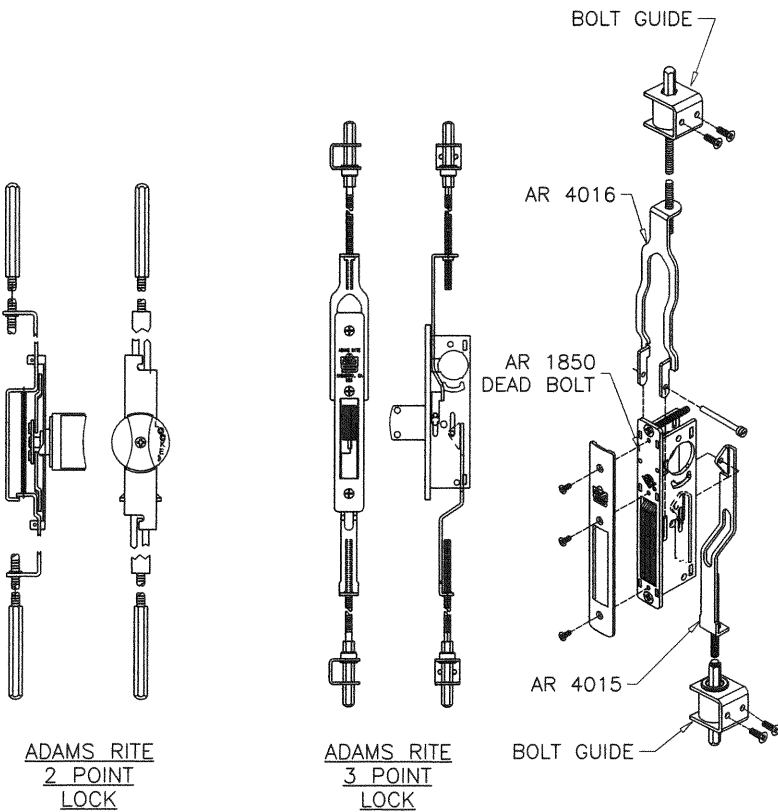
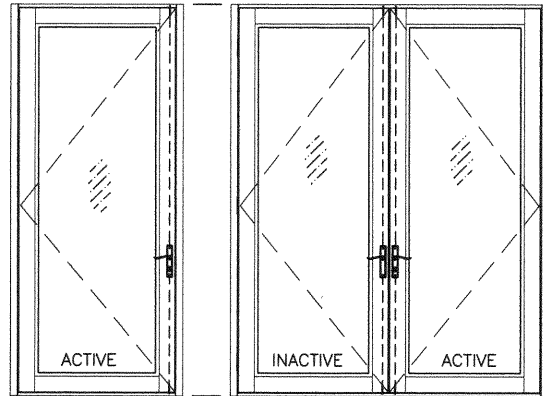
MAX. LEAF HEIGHT = 108 IN.
 MAX. LEAF WIDTH = 37-1/2 IN.
 MAX. DESIGN LOAD = 66 PSF

ACTIVE LEAF:

KEY OPERATED THREE POINT LOCK SYSTEM
 'MS1853A/4015/4016' AND 'MS1850S/4015/4016' BY 'ADAMS RITE'
 WITH CONCEALED FLUSH BOLTS AT TOP &
 BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
 INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
 FASTENED WITH
 (2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

MANUALLY OPERATED TWO POINT LOCK SYSTEM
 'MS1881' AND 'MS2180' BY 'ADAMS RITE'
 WITH CONCEALED FLUSH BOLTS AT TOP &
 BOTTOM OF LOCK STILE AND A THUMB TURN ON THE
 INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL
 FASTENED WITH
 (2) #8-32 X 1/4" PH MACHINE SCREWS



LOCK OPTIONS:

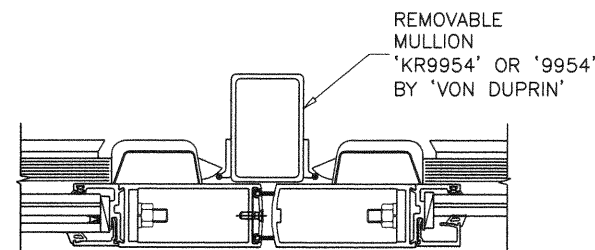
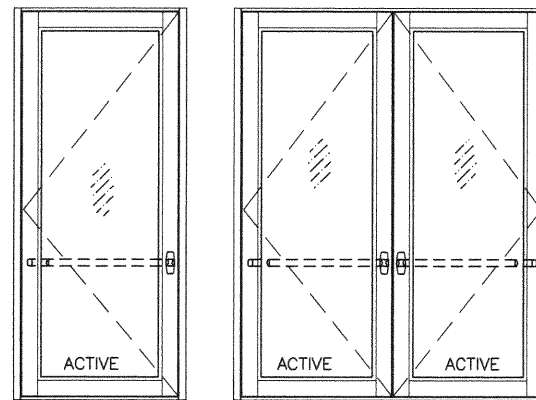
RIM PANIC EXIT DEVICES

PANIC EXIT DEVICE

MAX. LEAF HEIGHT = 96 IN.
 MAX. LEAF WIDTH = 42 IN.
 MAX. DESIGN LOAD = 50 PSF

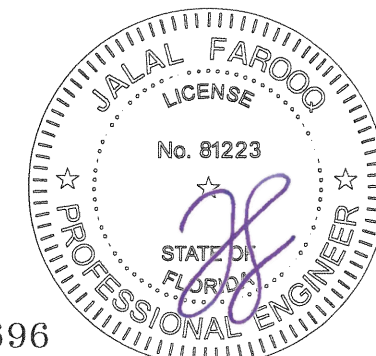
ACTIVE LEAF:

RIM PANIC EXIT DEVICE
 '98/99XP' BY 'VON DUPRIN'
 '33A/35A' BY 'VON DUPRIN'
 'FL3790' BY 'FIRST CHOICE'
 'WS AD8500' BY 'SARGENT'
 LOCATED AT 40" FROM BOTTOM
 FASTENED TO ACTIVE LEAF WITH WITH
 (6) 10-24 X 1-1/8" PH MS



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LOCK OPTIONS:

CVR PANIC EXIT DEVICES

OPTION #1:

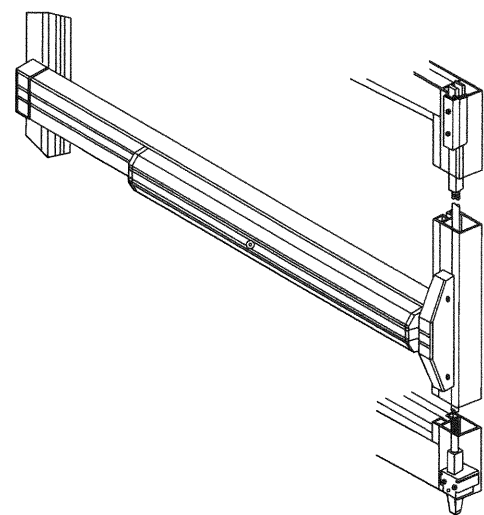
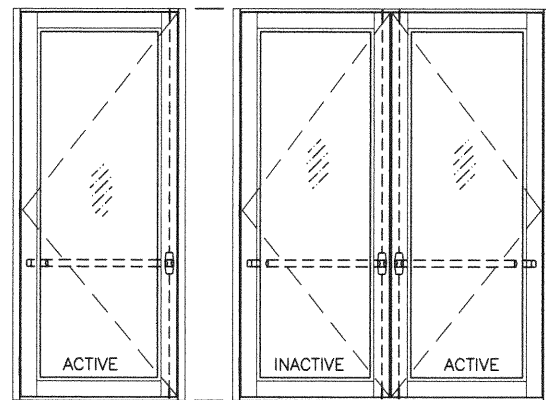
PANIC EXIT DEVICE

MAX. LEAF HEIGHT = 96 IN.
 MAX. LEAF WIDTH = 48 IN.
 MAX. DESIGN LOAD = 70 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE

'#2086' BY 'JACKSON PANIC SYSTEM'
 '3690FL' BY 'FIRST CHOICE'
 LOCATED AT 41" FROM SILL AT EACH LEAF.
 FASTENED WITH
 (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
 (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END



OPTION #2:

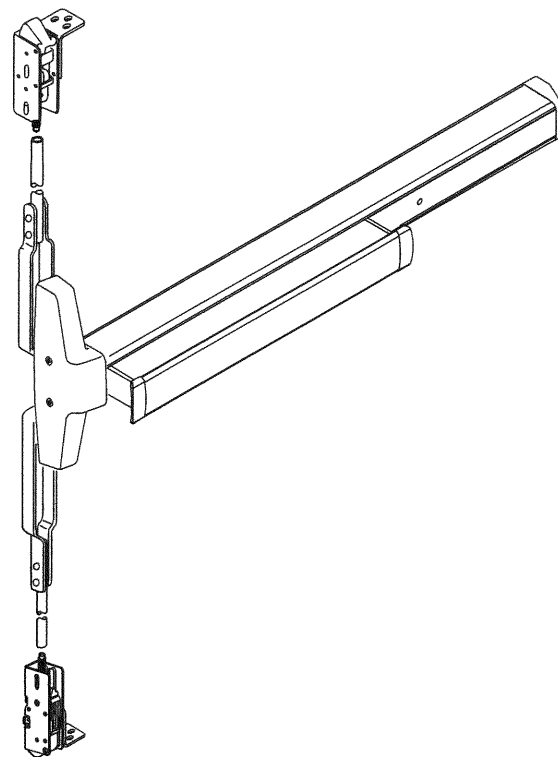
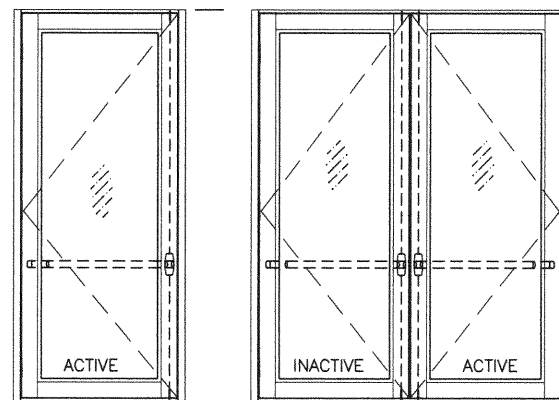
PANIC EXIT DEVICE

MAX. LEAF HEIGHT = 96 IN.
 MAX. LEAF WIDTH = 48 IN.
 MAX. DESIGN LOAD = 70 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE

'HH9947' BY 'VON DUPRIN'
 LOCATED AT 40" FROM SILL AT EACH LEAF.
 FASTENED WITH
 (2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
 (2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



OPTION #3:

PANIC EXIT DEVICE

MAX. LEAF HEIGHT = 96 IN.
 MAX. LEAF WIDTH = 48 IN.
 MAX. DESIGN LOAD = 70 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE

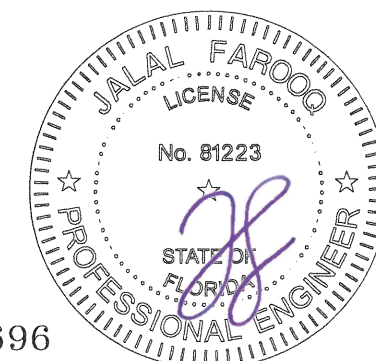
'1690HH' BY 'FALCON'
 LOCATED AT 41" FROM SILL AT EACH LEAF.
 FASTENED WITH
 (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
 (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

PANIC EXIT DEVICE

MAX. LEAF HEIGHT = 108 IN.
 MAX. LEAF WIDTH = 37-1/2 IN.
 MAX. DESIGN LOAD = 66 PSF

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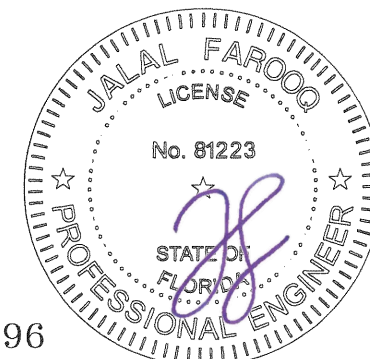
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 19-41F

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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E34224	1	DOOR FRAME HEAD (STANDARD)	6063-T6	-
1A	E4TB111	1	DOOR FRAME HEAD (NARROW)	6063-T6	-
1B	E34125	1	DOOR FRAME HEAD (CONCEALED CLOSERS)	6063-T6	-
1C	P4441	1	FRAME HEAD (CONCEALED CLOSERS) CORNER KEY	6063-T6	-
1D	E6504	1	HEAD (CONCEALED CLOSERS) DOOR STOP	6063-T6	-
1E	E2298	1	HEAD (CONCEALED CLOSERS) DOOR STOP COVER	6063-T6	-
2	E34144	2	DOOR FRAME JAMB (STANDARD)	6063-T6	-
2A	E4TB11	2	DOOR FRAME JAMB (NARROW)	6063-T6	-
3	E34242	2	JAMB SHEAR CLIP (STANDARD)	6063-T6	-
4	E3550	1	THRESHOLD	6063-T6	-
5	E0054	1/ LEAF	LEAF TOP RAIL (MEDIUM)	6063-T6	-
5A	E0318	1/ LEAF	LEAF TOP RAIL (WIDE)	6063-T6	-
6	E0419	1/ LEAF	BOTTOM RAIL	6063-T6	-
6A	E2682	1/ LEAF	BOTTOM RAIL	6063-T6	-
6B	E2669	1/ LEAF	BOTTOM RAIL	6063-T6	-
7	E0086	1/ LEAF	LEAF HINGE/LOCK STILE (MEDIUM)	6063-T6	-
7A	E0416	1/ LEAF	LEAF HINGE/LOCK STILE (WIDE)	6063-T6	-
8	E0085	1/ LEAF	LEAF ALT. HINGE/LOCK STILE (MEDIUM)	6063-T6	-
8A	E0415	1/ LEAF	LEAF ALT. HINGE/LOCK STILE (WIDE)	6063-T6	-
9	E0087	1/ LEAF	LEAF ACTIVE STILE (MEDIUM)	6063-T6	-
9A	E0417	1/ LEAF	LEAF ACTIVE STILE (WIDE)	6063-T6	-
10	E1150	1/ LEAF	LEAF INACTIVE STILE (MEDIUM)	6063-T6	-
10A	E1151	1/ LEAF	LEAF INACTIVE STILE (WIDE)	6063-T6	-
11	E3256	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11A	E3261	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11B	E3258	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11C	E3262	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11D	E3266	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11E	E3263	AS REQD.	MID RAIL	6063-T6	OPTIONAL
11F	E3265	AS REQD.	MID RAIL	6063-T6	OPTIONAL
12	E6510	AS REQD.	DOOR STOP BASE (STANDARD)	6063-T6	-
12A	E6500	AS REQD.	DOOR STOP BASE (NARROW)	6063-T6	-
13	E6505	AS REQD.	DOOR STOP (STANDARD)	6063-T6	-
13A	E6501	AS REQD.	DOOR STOP (NARROW)	6063-T6	-
14	E1152	AS REQD.	ASTRAGAL W'STRIP ADAPTER	6063-T6	-
15	E6533	4/ LEAF	EXTERIOR GLASS STOP (LAM. GLASS)	6063-T6	-
16	E6523	4/ LEAF	EXTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
17	E6532	4/ LEAF	INTERIOR GLASS STOP (DRY GASKET)	6063-T6	-
18	E6512	4/ LEAF	INTERIOR GLASS STOP (GLAZING TAPE)	6063-T6	-
19	E6522	4/ LEAF	INTERIOR GLASS STOP (SILICONE)	6063-T6	-
20	P2908	4/ LEAF	EXTERIOR GLAZING GASKET (LEVEL D IMPACT)	EPDM	-
20A	P2901	4/ LEAF	EXTERIOR GLAZING GASKET (LEVEL E IMPACT)	EPDM	-
21	P0017	4/ LEAF	INTERIOR GLAZING GASKET	EPDM	-
22	3M VHB	4/ LEAF	INTERIOR GLAZING TAPE (.090" X .750")	FOAM	-
23	P6552	4/ LEAF	INTERIOR SPACER TAPE	FOAM	-
25	P1912	2/ LITE	SETTING BLOCK AT 6" FROM ENDS	EPDM	DUROMETER 80±5 SHORE A
26	P6296	AS REQD.	FRAME HEAD/JAMB BULB W'STRIPPING	VINYL	-
27	P3450	AS REQD.	FRAME SILL BULB W'STRIPPING	VINYL	-
28	P938	AS REQD.	ASTRAGAL PILE W'STRIPPING	WOOL	ULTRAFAB
29	#10 X 5/8"	AS REQD.	ASTRAGAL ADAPTER FASTENERS, AT 12" O.C.	ST. STEEL	FH SELF DRILLING SCREWS
30	#10 X 1/2"	AS REQD.	GLASS STOP FASTENERS, AT 2" FROM ENDS & 12" O.C.	ST. STEEL	FH SELF DRILLING SCREWS
31	#12 X 1-1/2"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST. STEEL	HH SELF DRILLING SCREWS
-	-	-	-	-	-

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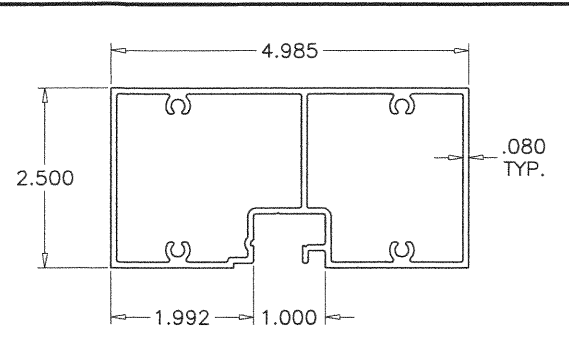
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dr. by: TARIQ

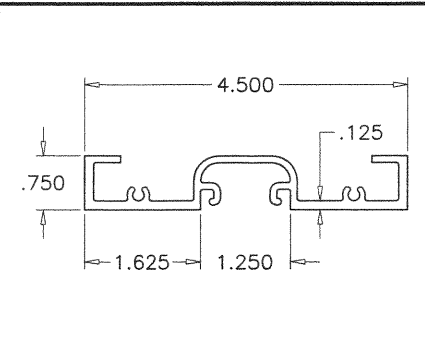
chk. by:

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19-41F

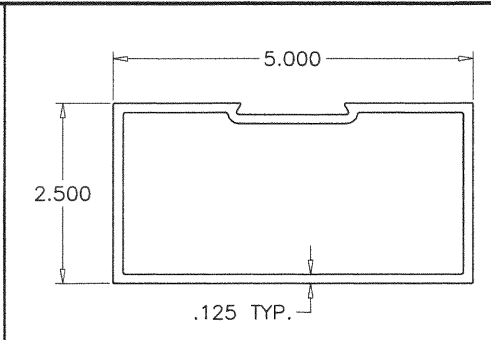
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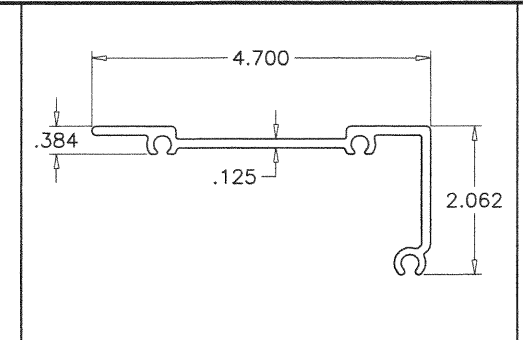
1 FRAME HEAD (STANDARD)



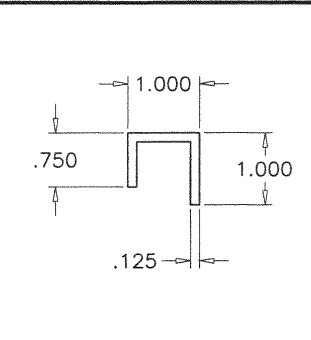
1A FRAME HEAD (NARROW)



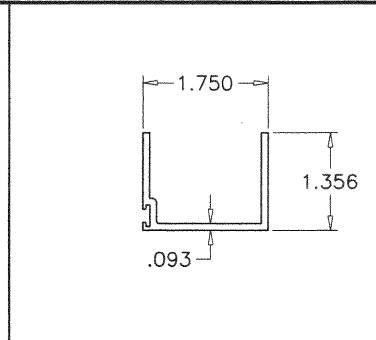
1B FRAME HEAD (CON. CLOSERS)



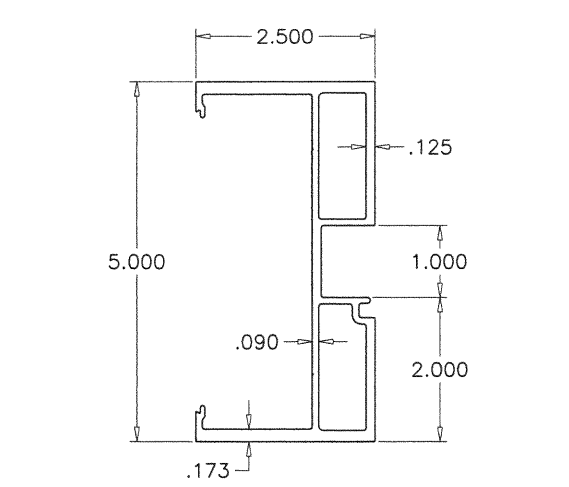
1C HEAD (CONC. CL.) CORNER KEY



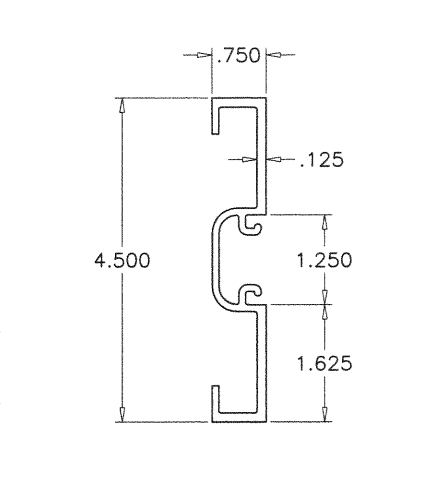
1D DOOR STOP



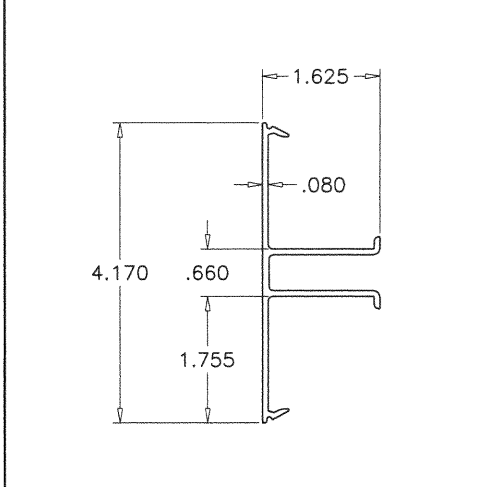
1E DOOR STOP COVER



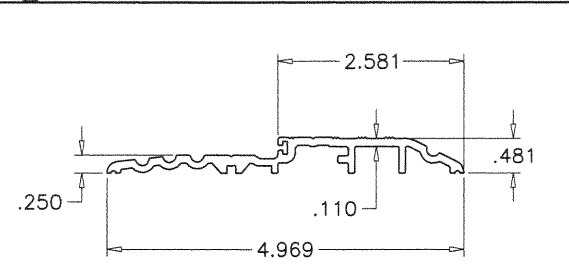
2 FRAME JAMB (STANDARD)



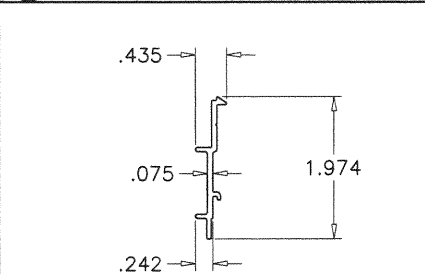
2A FRAME JAMB (NARROW)



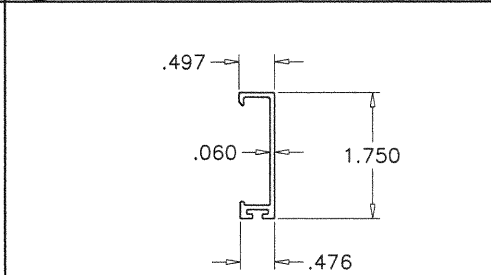
3 JAMB SHEAR CLIP



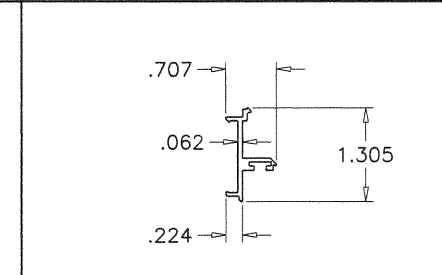
4 FRAME SILL



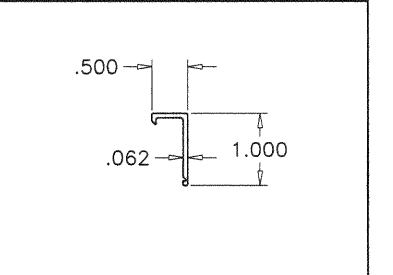
12 DOOR STOP BASE (STANDARD)



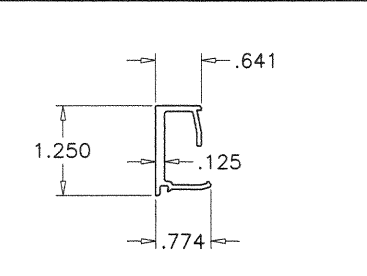
13 DOOR STOP (STANDARD)



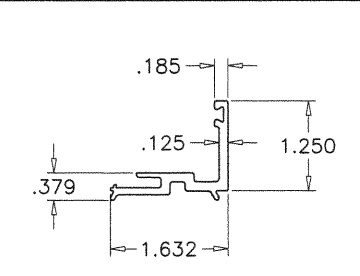
12A DOOR STOP BASE (NARROW)



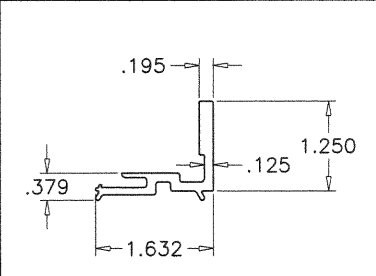
13A DOOR STOP (NARROW)



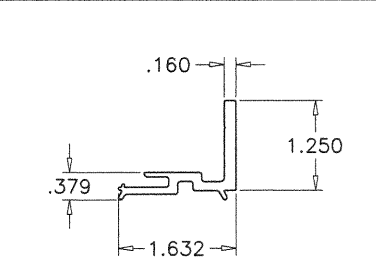
15 EXTERIOR GLASS STOP (LAM. GLASS)



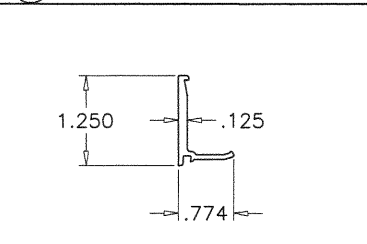
17 INTERIOR GLASS STOP (DRY GASKET)



18 INTERIOR GLASS STOP (GLAZING TAPE)



19 INTERIOR GLASS STOP (SILICONE)



16 EXTERIOR GLASS STOP (INSUL. LAM. GLASS)

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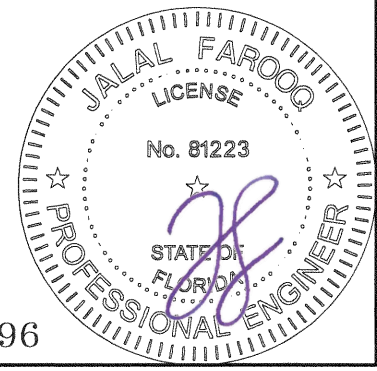
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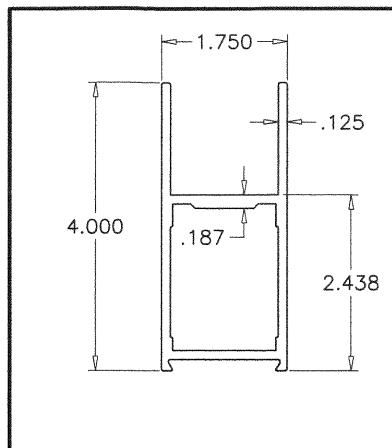
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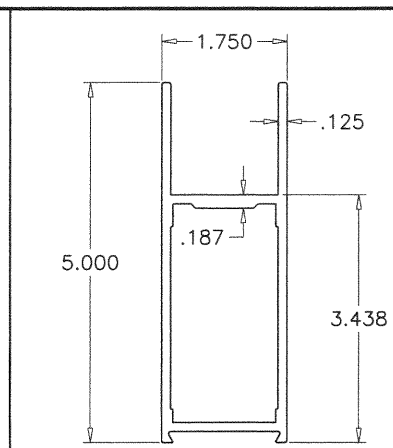
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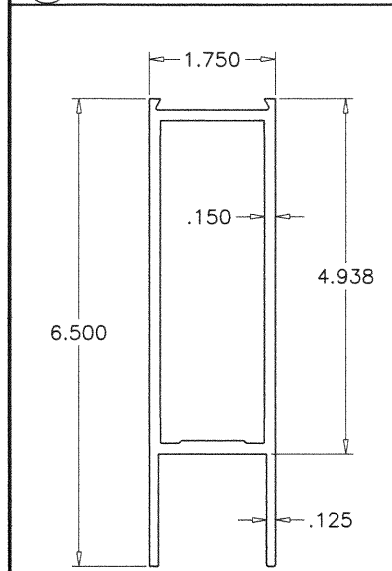




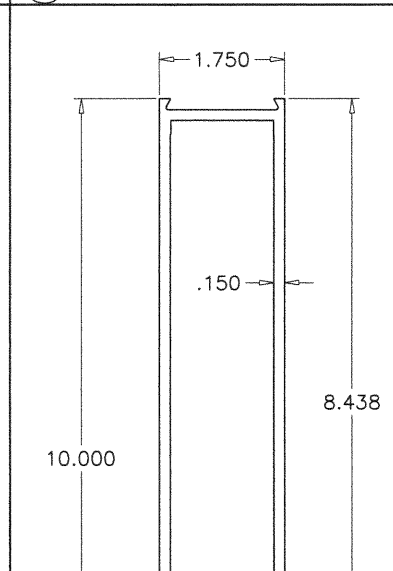
5 TOP RAIL (MEDIUM)



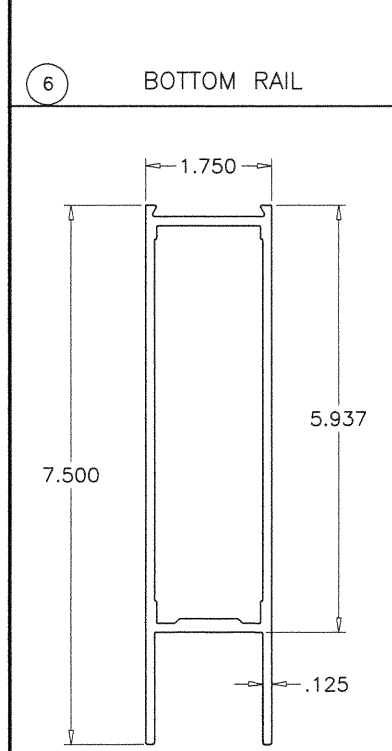
5A TOP RAIL (WIDE)



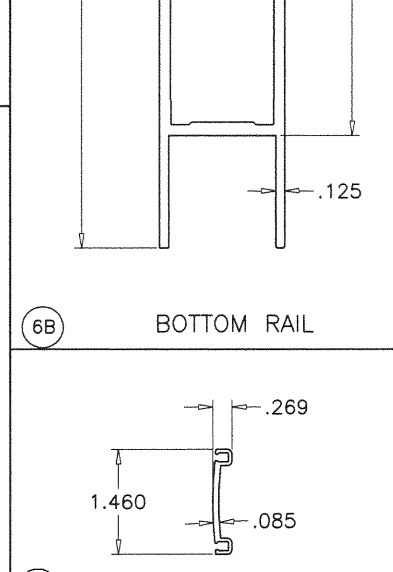
6 BOTTOM RAIL



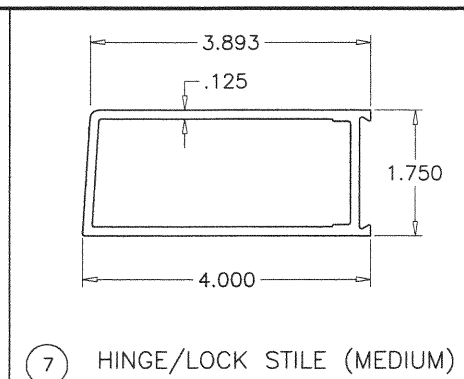
6B BOTTOM RAIL



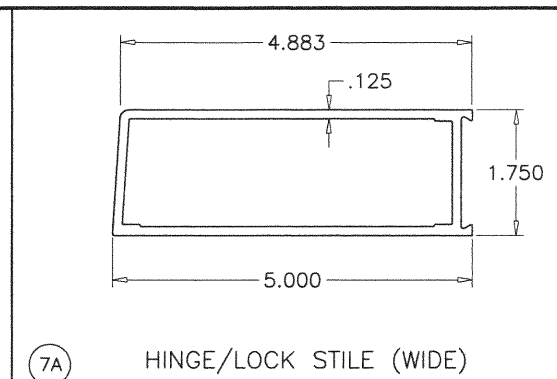
6A BOTTOM RAIL



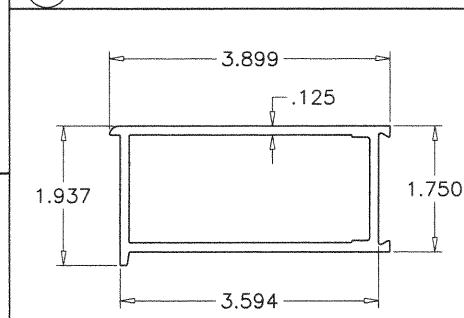
14 ASTRAGAL W'STRIP ADAPTER



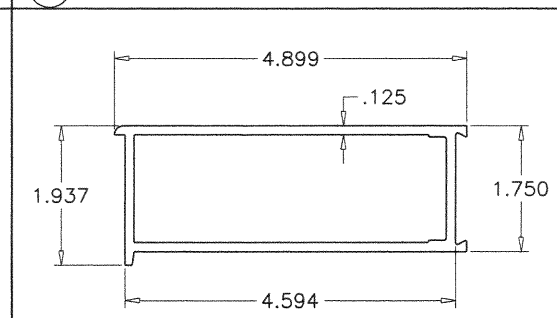
7 HINGE/LOCK STILE (MEDIUM)



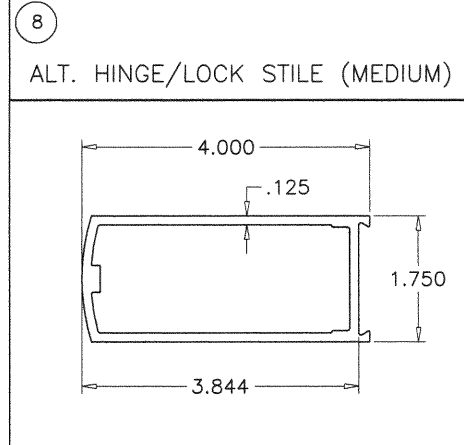
7A HINGE/LOCK STILE (WIDE)



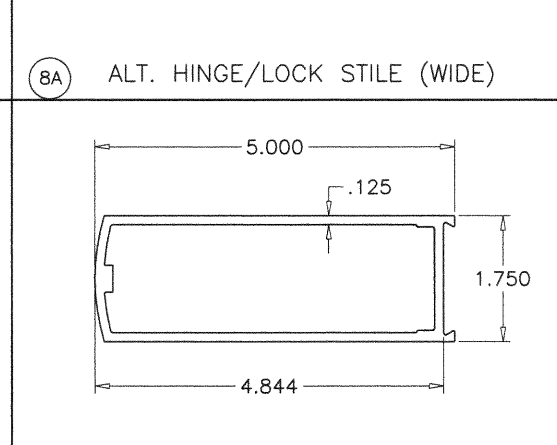
8 ALT. HINGE/LOCK STILE (MEDIUM)



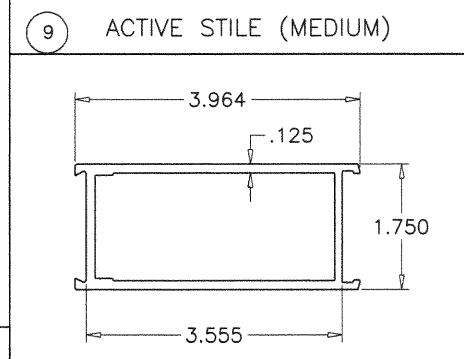
8A ALT. HINGE/LOCK STILE (WIDE)



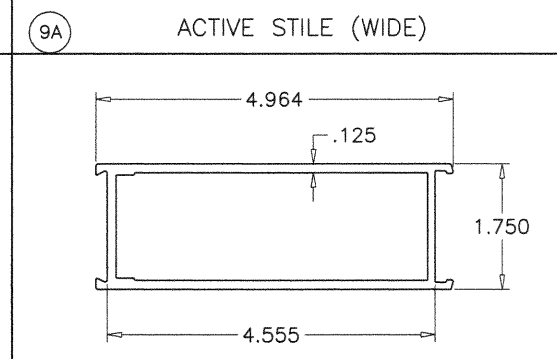
9 ACTIVE STILE (MEDIUM)



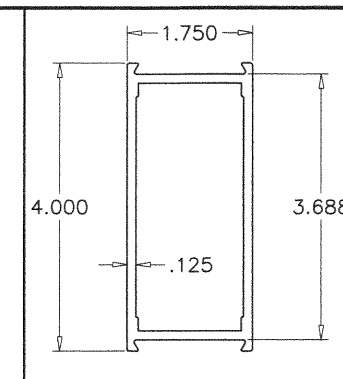
9A ACTIVE STILE (WIDE)



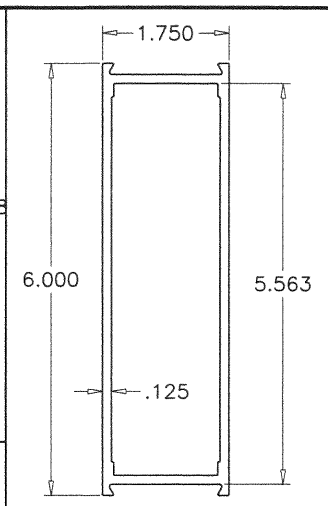
10 INACTIVE STILE (MEDIUM)



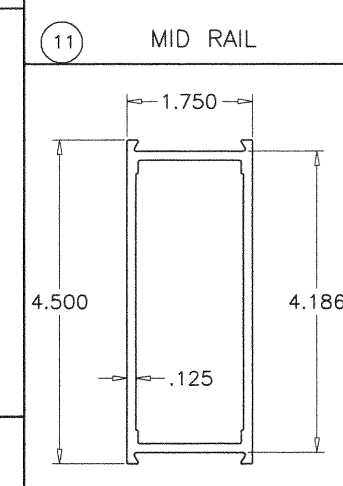
10A INACTIVE STILE (WIDE)



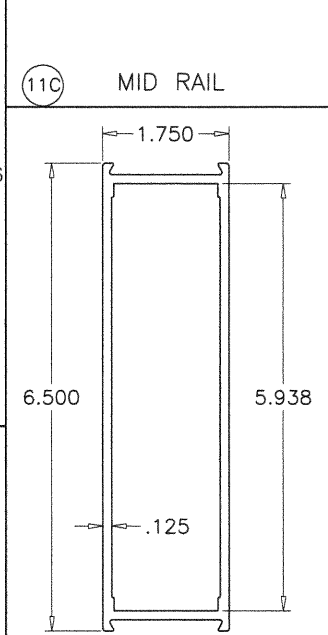
11 MID RAIL



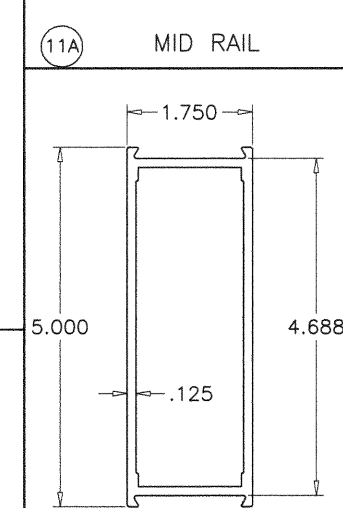
11C MID RAIL



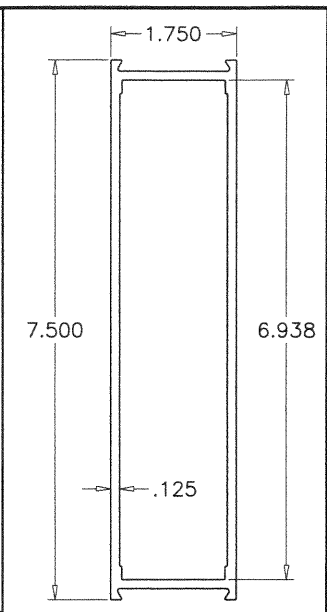
11A MID RAIL



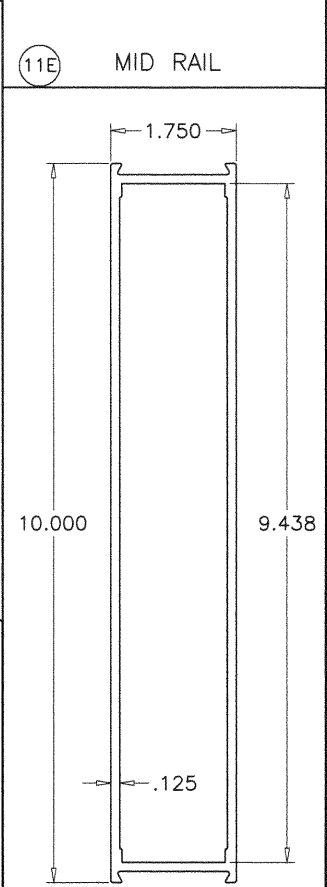
11D MID RAIL



11B MID RAIL



11E MID RAIL



11F MID RAIL

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 \ 19-41F-TLI

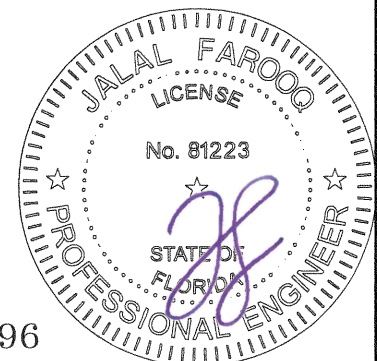
STANDARD ALUMINUM OUTSWING DOOR (L.M.I.)
TUBELITE INC.
 3056 Walker Ridge Dr. N.W., Suite G
 Walker, MI 49544
 Tel. 800-866-2227 Fax.

revisions:	no	date	by	description

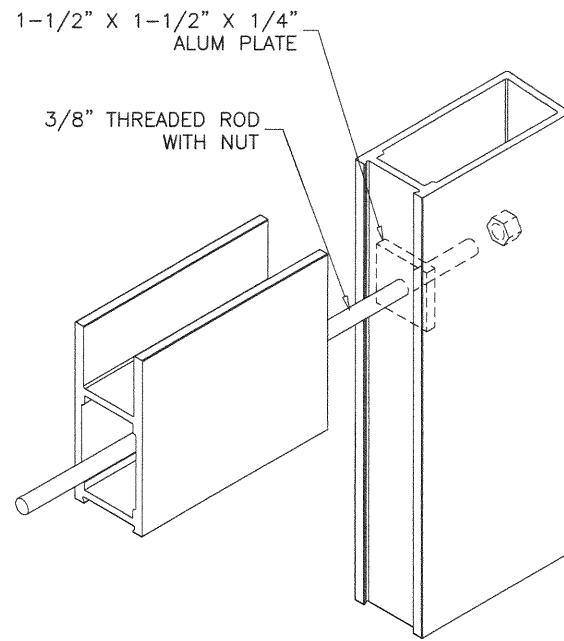
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 chk. by:

drawing no.
19-41F
 sheet 14 of 15

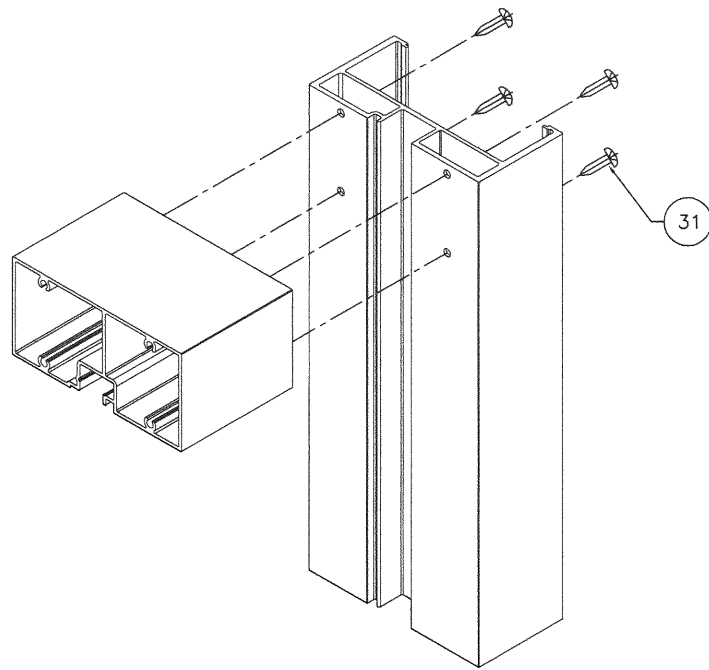
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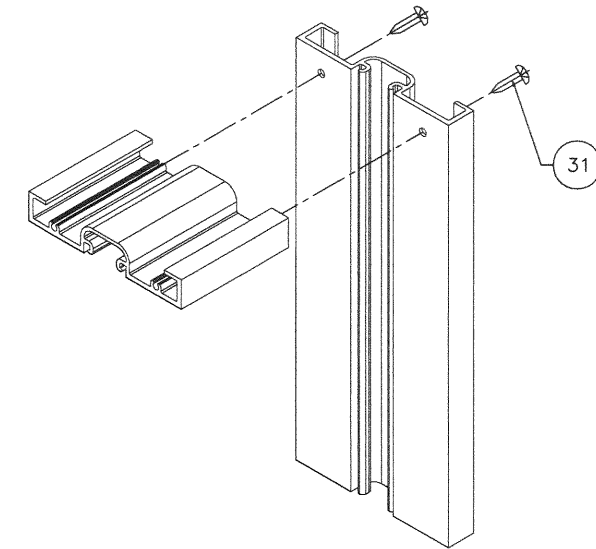
FL #29696



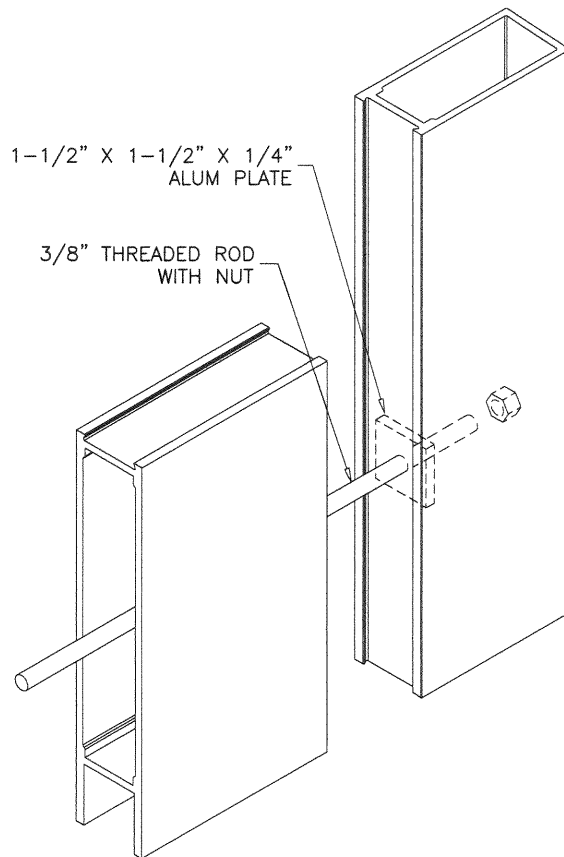
LEAF TOP CORNER



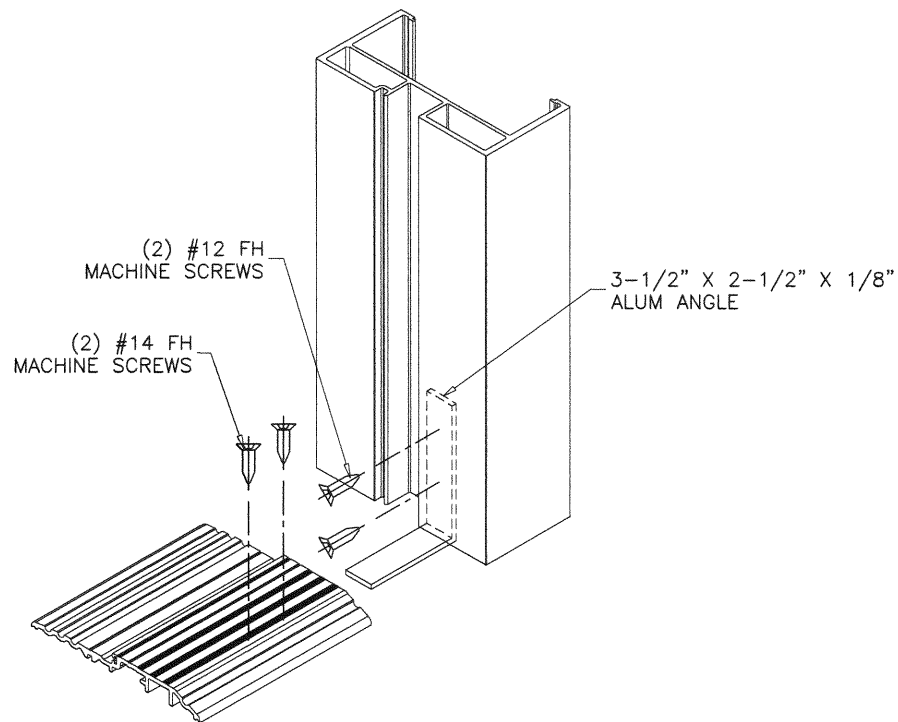
FRAME (STD.) TOP CORNER



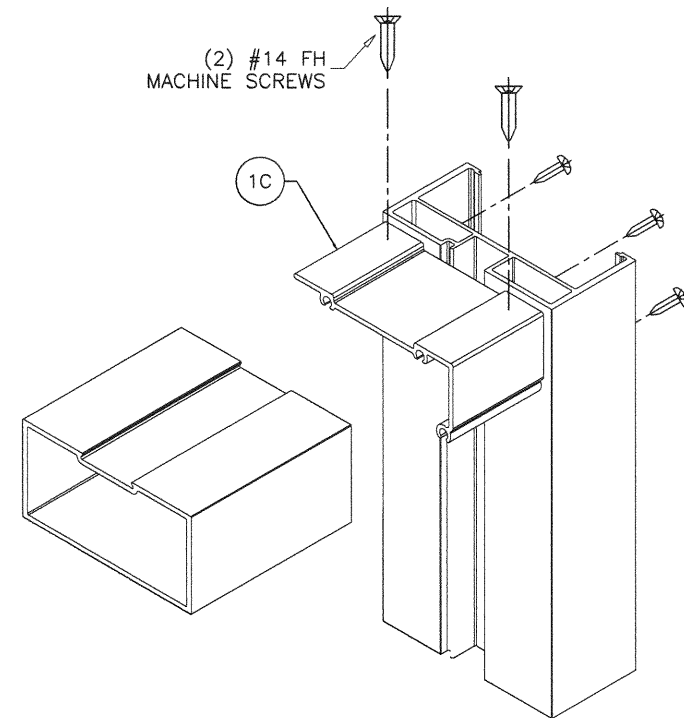
FRAME (NARROW) TOP CORNER



LEAF BOTTOM CORNER

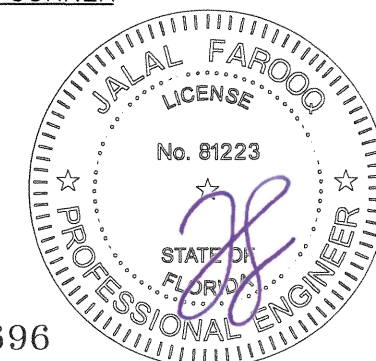


FRAME (STD.) BOTTOM CORNER



FRAME (CON. CL.) TOP CORNER

Sealed: 12/16/20



FL #29696

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 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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revisions:	no	date	description

date: 05-10-19
 scale: 1/4" = 1"
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 chk. by:

drawing no.
19-41F

sheet 15 of 15