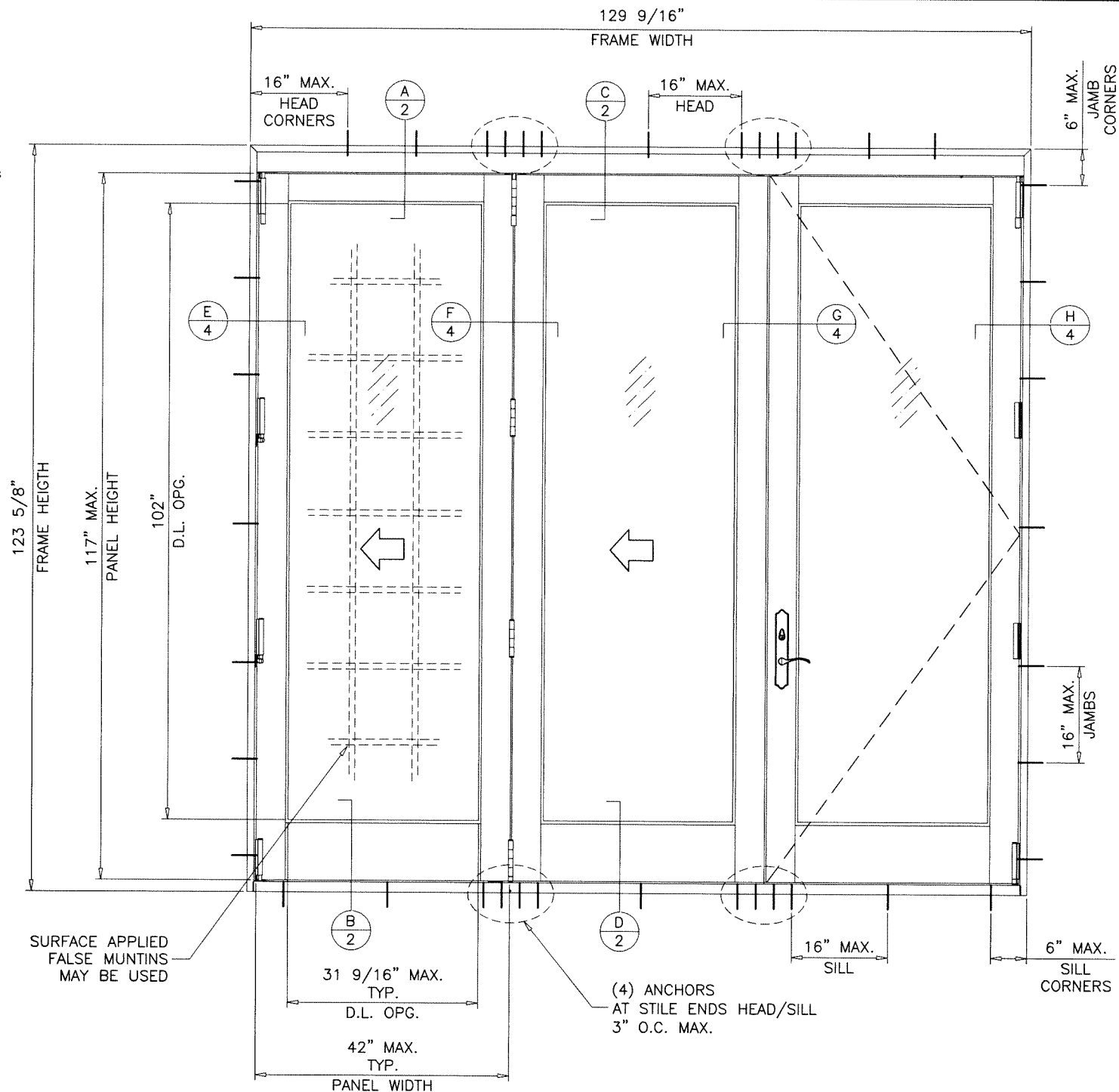
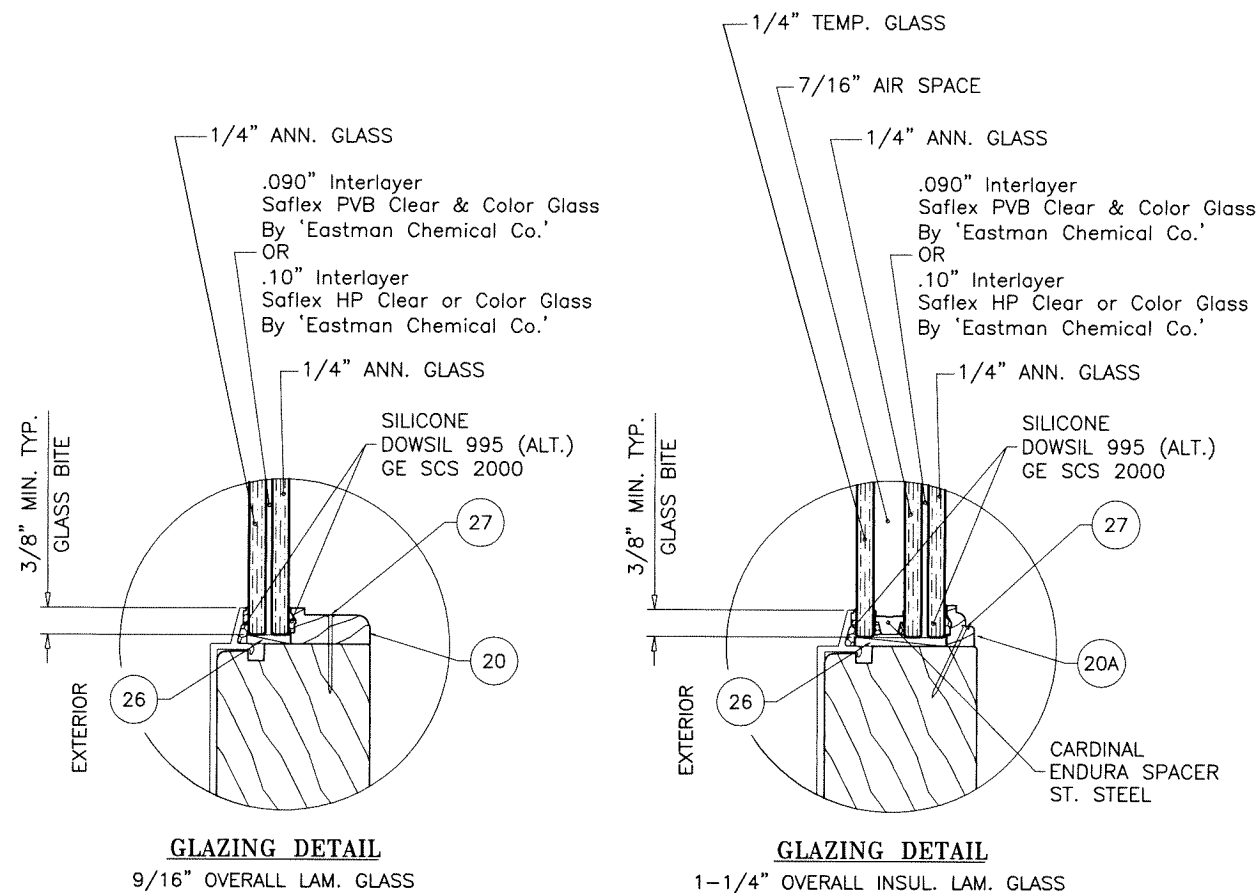




SERIES 1607 BI-FOLD OUTSWING DOOR

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH 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 2023 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)'.

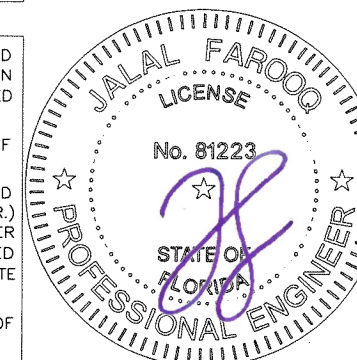
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

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

MAXIMUM DESIGN LOAD RATING = + 50.0 PSF
(FOR PANEL SIZE SHOWN OR SMALLER) - 55.0 PSF
AS PERMITTED BY FBC REQUIREMENTS

Sealed: 3/28/2025

FL #47010



- 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.

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

af c
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)

SERIES 1607 BI-FOLD OUTSWING DOOR (L.M.I.)

Weather Shield Windows & Doors

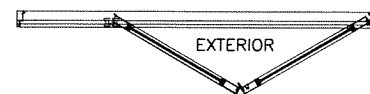
One Weather Shield Plaza

Medford, WI 54451

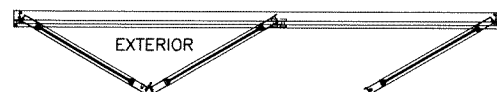
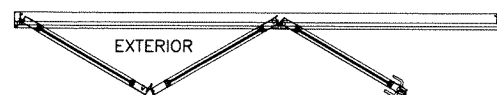
PHONE: (800) 222-2995

www.weathershield.com

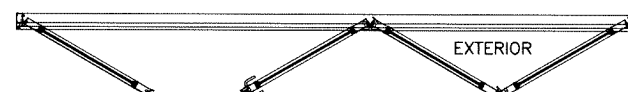
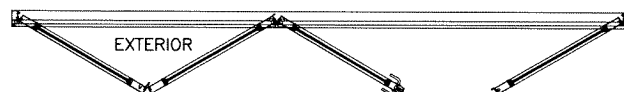
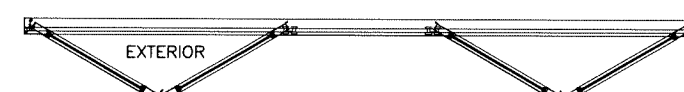
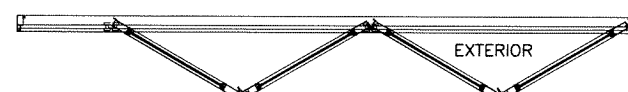
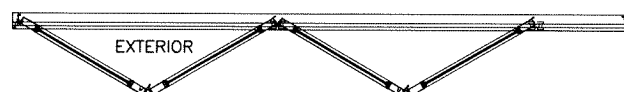
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chk. by:				
drawing no.	24-44F			
sheet	1 of 7			



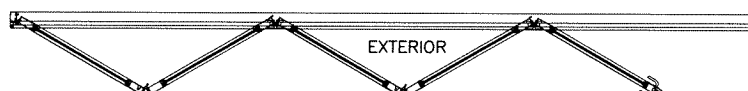
TWO (2) PANELS



THREE (3) PANELS



FOUR (4) PANELS

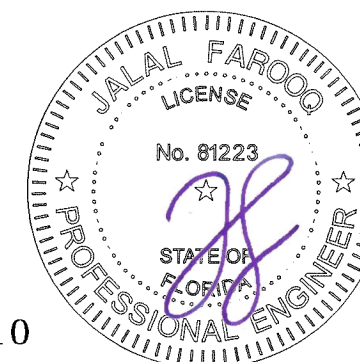


FIVE (5) PANELS

DOOR MAY HAVE 3 TO 5 PANELS AS SHOWN ABOVE.
USING THE STILE CONFIGURATIONS SHOWN ON SHEET 4.
MAX. FRAME AREA OF UNITS WITH ALTERNATE CONFIGURATIONS
MUST NOT TO EXCEED 183.9 SQ. FT.

Sealed: 3/28/2025

FL #47010



AL-FAROOQ CORPORATION
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SERIES 1607 BI-FOLD OUTSWING DOOR (L.M.I.)

Weather Shield Windows & Doors

One Weather Shield Plaza
Medford, WI 54451

Medford, WI 54451

PHONE: (800) 222-2995

PHONE: (800) 222-2995
www.weathershield.com

[illegible]

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

- TYPE 'A'— 5/16" DIA. ULTRACON BY 'DEWALT'** (Fu=177 KSI, Fy=155 KSI)
 INTO WOOD STRUCTURES
 2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE, 1-1/2" MIN. EDGE DIST.
 THRU 2BY BUCKS INTO CONCRETE
 1-1/2" MIN. EMBED INTO CONCRETE, 1-1/2" MIN. EDGE DIST.
- TYPE 'B'— 5/16" DIA. ULTRACON BY 'DEWALT'** (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 2" MIN. EMBED INTO CONCRETE, 1-3/4" MIN. EDGE DIST.
- TYPE 'C'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 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)

AT SILL

- TYPE 'B'— 3/16" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE

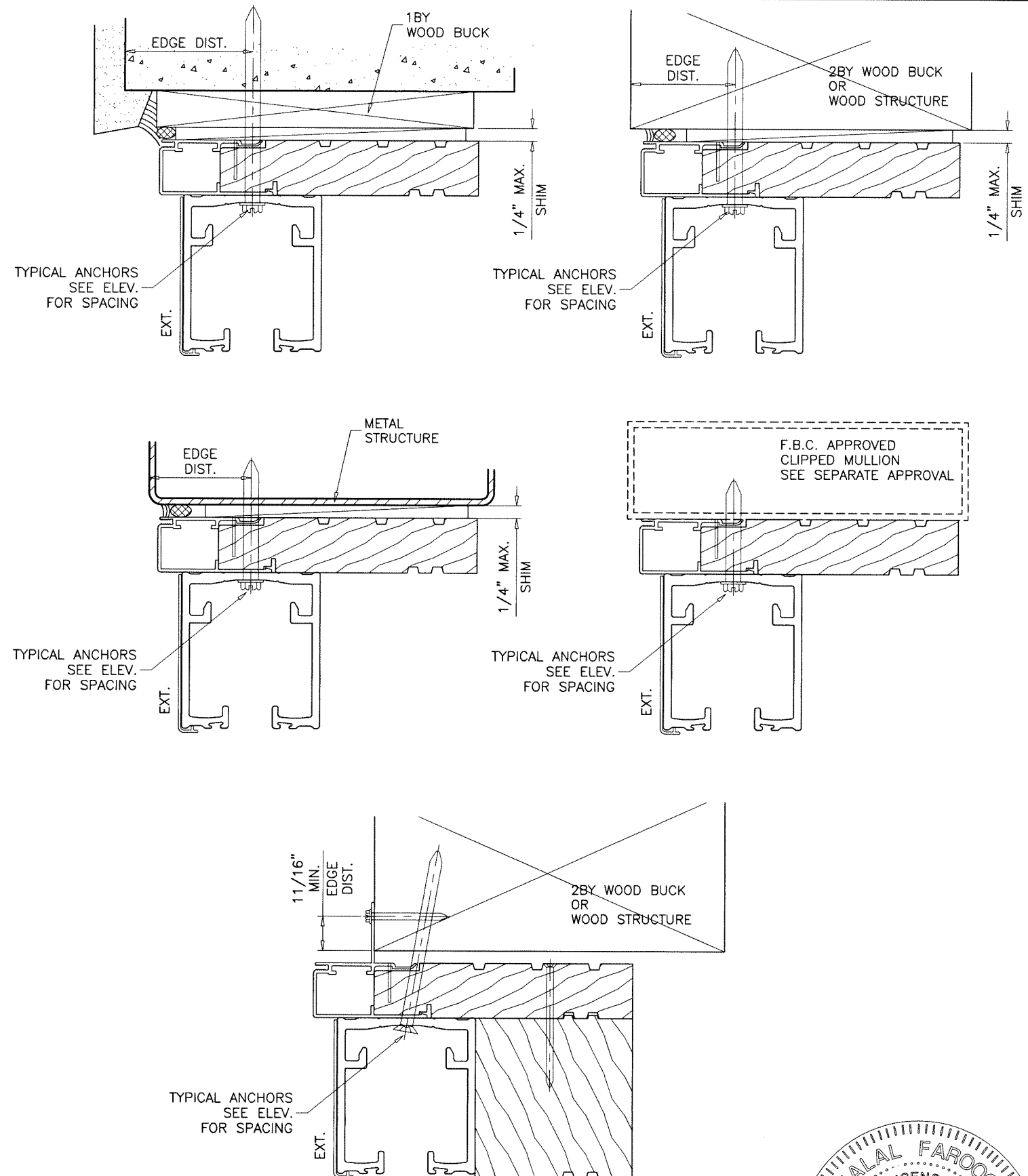
AT JAMBS

- TYPE 'A'— 3/16" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)
 INTO WOOD STRUCTURES
 2" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONC. OR FILLED BLOCK
 1-1/4" MIN. EMBED INTO CONCRETE
 1-1/2" MIN. EMBED INTO FILLED BLOCKS
- TYPE 'B'— 3/16" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)
 DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
 2" MIN. EMBED INTO CONCRETE
 2" MIN. EMBED INTO GROUT FILLED BLOCKS
- TYPE 'C'— #12 TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 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)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN. (UNLESS SPECIFIED OTHERWISE)
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

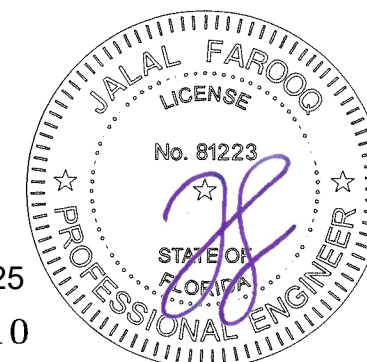
WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'WEATHER SHIELD'
 MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
 THEM TO THE BUILDING STRUCTURE.

Sealed: 3/28/2025

FL #47010



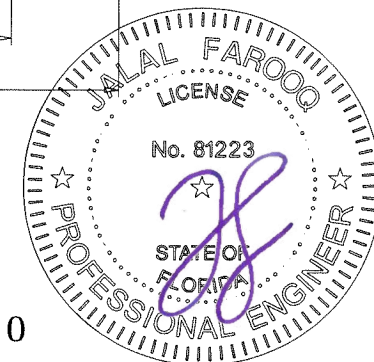
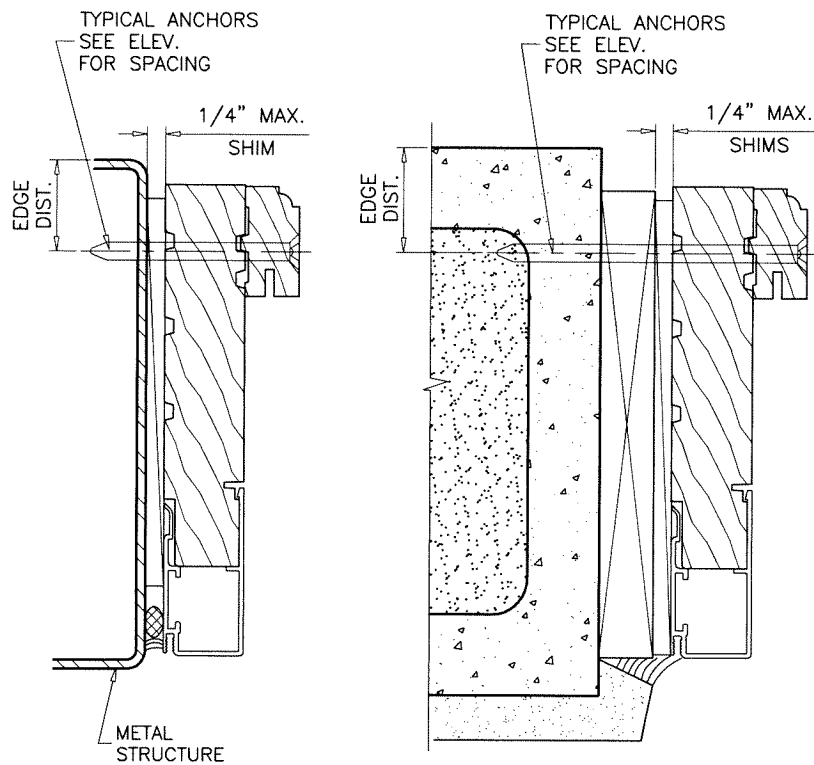
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 (C.A.N. 3538)

SERIES 1607 Bi-FOLD OUTSWING DOOR (L.M.I.)

Weather Shield Windows & Doors
 One Weather Shield Plaza
 Medford, WI 54451
 PHONE: (800) 222-2995 www.weathershield.com

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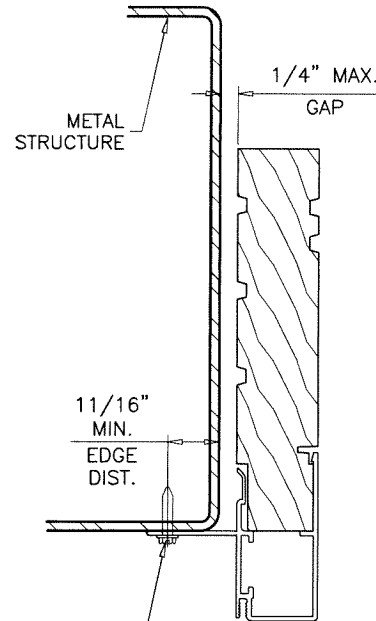
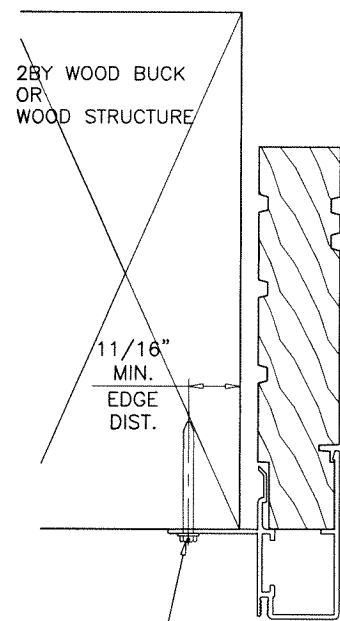
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24-44F
 sheet 3 of 7



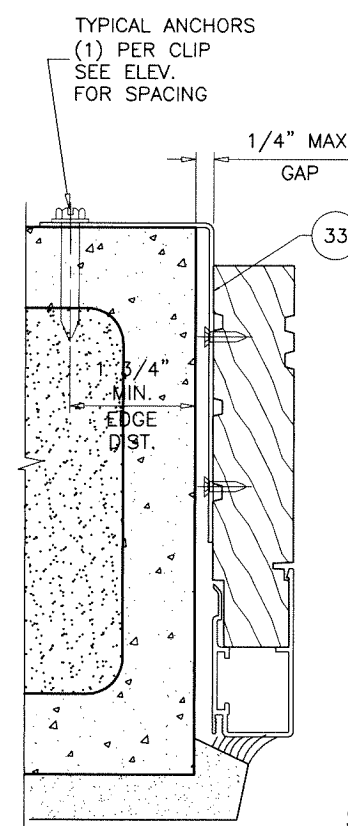
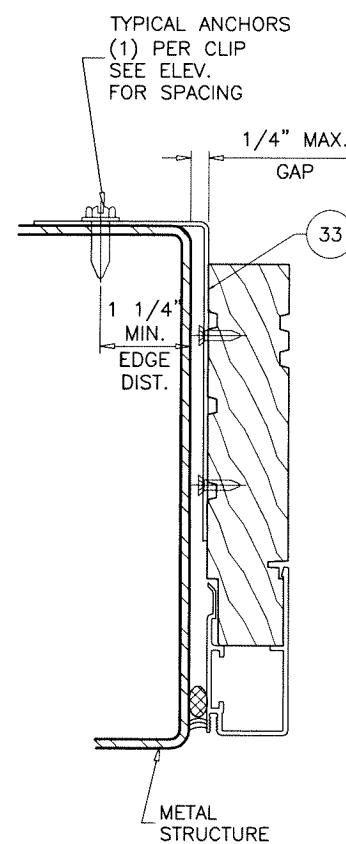
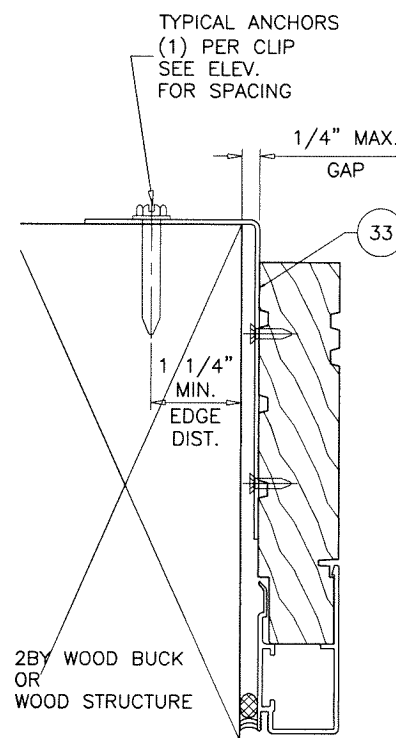
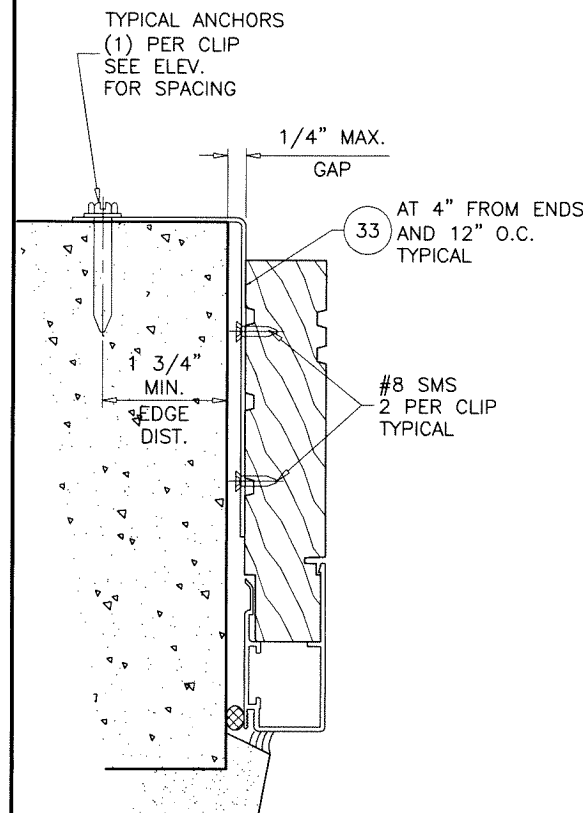
FL #47010

drawing no.
24-44F

sheet 4 of 7



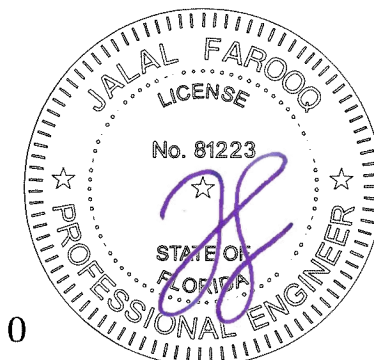
JAMB INSTALLATION THRU FIN



JAMB INSTALLATION THRU ANCHOR CLIP

Sealed: 3/28/2025

FL #47010



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
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COMP-ANL\24-44F-MFI

SERIES 1607 Bi-FOLD OUTSWING DOOR (L.M.I.)

Weather Shield Windows & Doors

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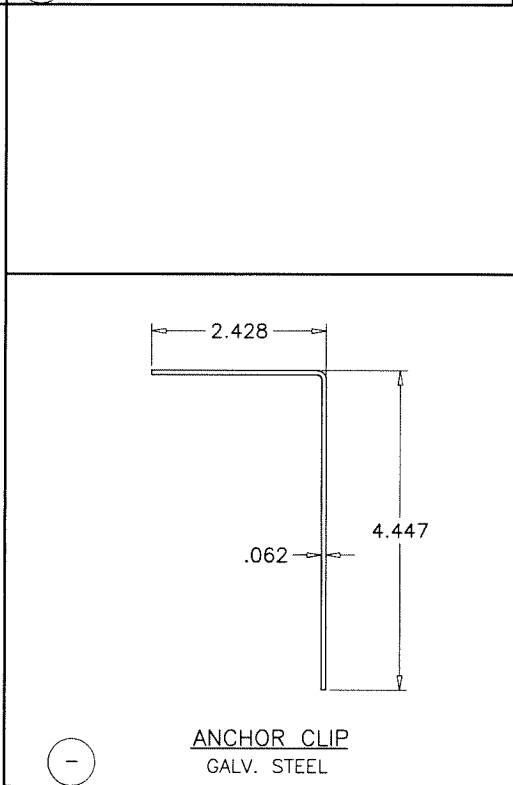
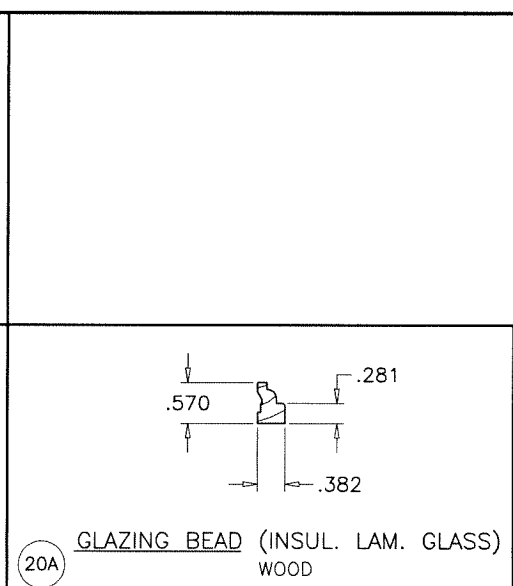
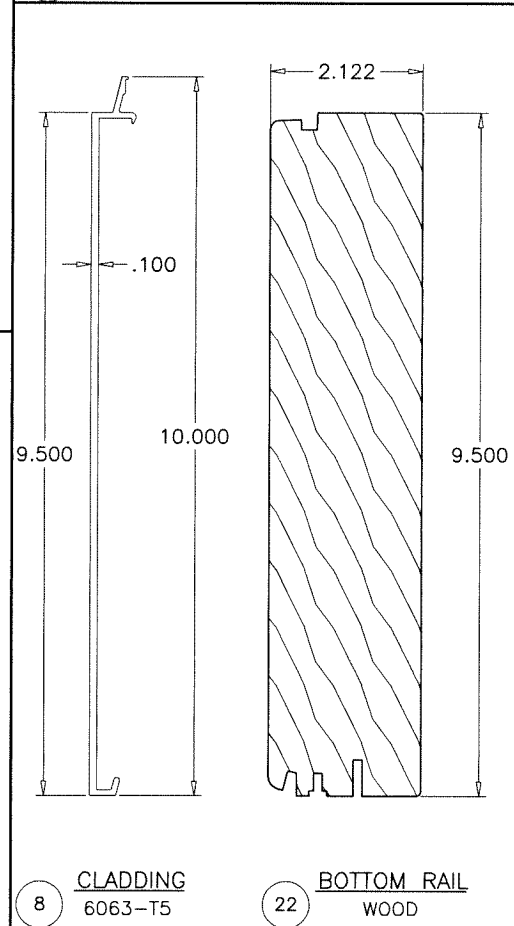
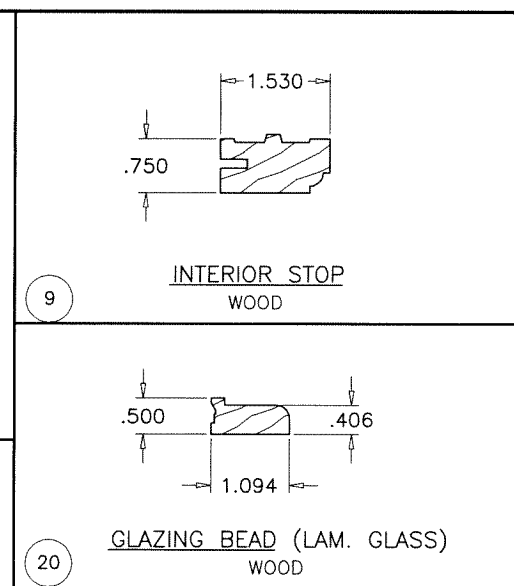
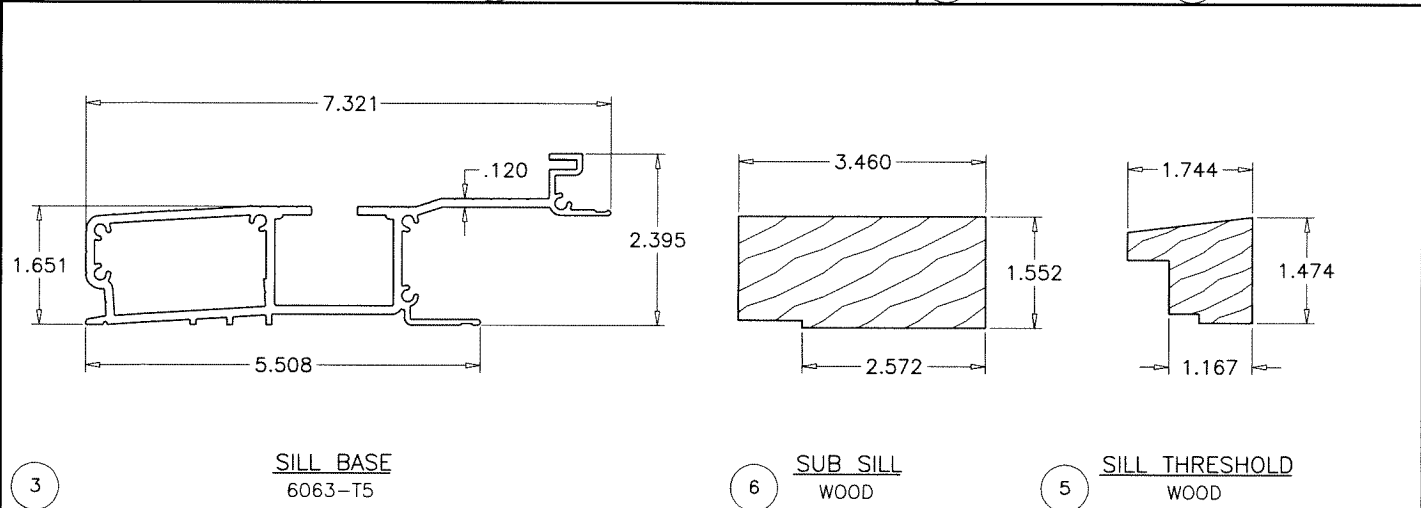
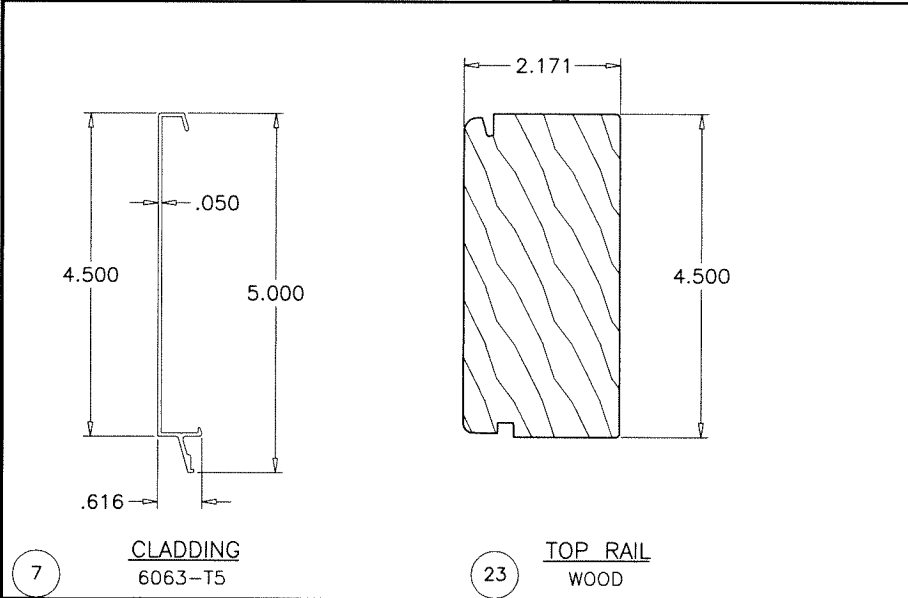
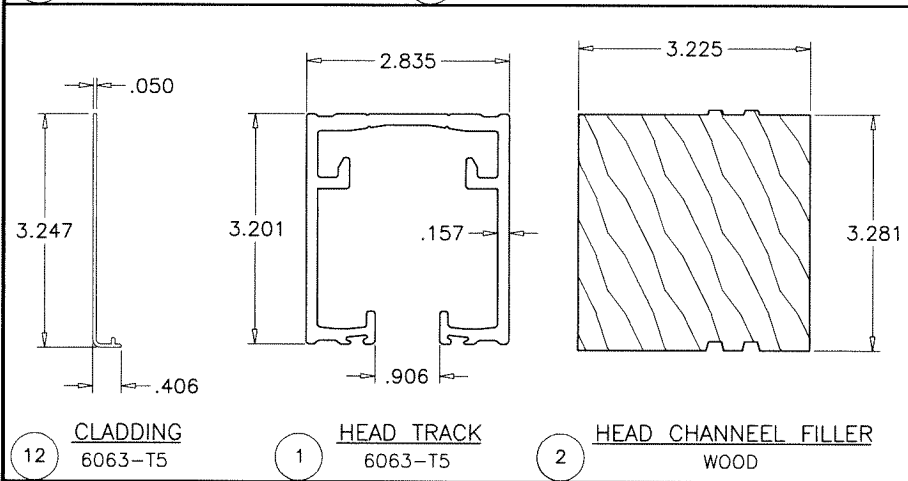
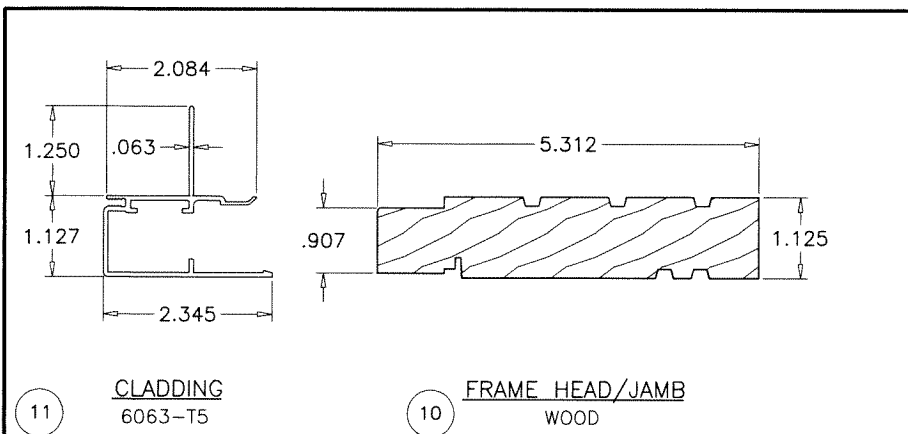
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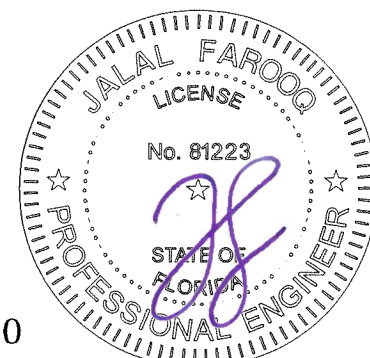
24-44F

sheet 5 of 7



Sealed: 3/28/2025

FL #47010



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COMP-ANL\24-44F-MFI

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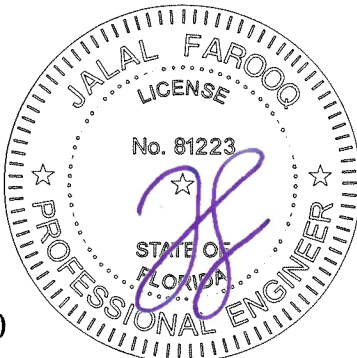
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drawing no.		24-44F		sheet 6 of 7					

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	85-6051-01	1	HEAD TRACK	6063-T5	-
2	85-6057-01	1	HEAD CHANNEL FILLER	WOOD	-
3	85-5947-01	1	SILL BASE	WOOD	-
4	85-6144-01	2	SILL END CAP	6063-T5	-
5	85-5950-01	1	SILL THRESHOLD	WOOD	-
6	85-5949-01	1	SUB SILL	WOOD	-
7	04-0056-C2427	AS REQD.	TOP RAIL	6063-T5	-
8	04-0015-C2022	AS REQD.	BOTTOM RAIL CLADDING	6063-T5	-
9	85-6157-01	3	INTERIOR STOP	WOOD	-
10	70-2752-01	3	FRAME HEAD/JAMB	WOOD	-
11	70-3464-01	AS REQD.	HEAD/JAMB COVER	6063-T5	-
12	04-a5616	AS REQD.	HEAD TRACK COVER	6063-T5	-
13	04-0016-C2033	AS REQD.	STILE CLADDING	6063-T5	-
15	85-2648-01	AS REQD.	HINGE/LOCK STILE	WOOD	-
16	45-20171	AS REQD.	WEATHER STRIP, .650 ELON	POLYPROPYLENE	SCHLEGEL
17	45-41028	AS REQD.	WEATHER STRIP, 2.8 X 9.0 X 10.5 KERF	-	-
18	60-12941-01	AS REQD.	WEATHER STRIP, JAMB LINER	POLYPROPYLENE	SCHLEGEL
19	70-3447-01	AS REQD.	SILL GASKET	POLYPROPYLENE	CLIMATEK
20	08-1680-02	AS REQD.	GLAZING BEAD, LAM. GLASS	WOOD	-
20A	-	AS REQD.	GLAZING BEAD, INSUL. LAM. GLASS	WOOD	-
21	85-12062-01	AS REQD.	WEATHER STRIP, HEAD TRACK	POLYPROPYLENE	SCHLEGEL
22	08-1071-W2427	3	BOTTOM RAIL	WOOD	-
23	08-1072-W2427	3	TOP RAIL	WOOD	-
24	P0108000	AS REQD.	WEATHER STRIP	POLYPROPYLENE	SCHLEGEL
25	45-19640	AS REQD.	PILE WEATHER STRIP	WOOL	ULTRATECH
26	-	2/ LITE	1/8" SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
27	16 GA X 1"	AS REQD.	GLAZING BEAD FASTENERS, AT 2" FROM ENDS & 10" O.C.	-	BRAD NAILS
28	16 GA X 1-1/2"	AS REQD.	INTERIOR STOP FASTENERS, AT 2" FROM ENDS & 16" O.C.	-	BRAD NAILS
29	#8 X 2-1/2"	AS REQD.	CHANNEL FILLER FASTENERS, AT 2" FROM ENDS & 10" O.C.	-	FH WOOD SCREWS
30	#8 X 1"	AS REQD.	HEAD TRACK FASTENERS, AT 2" FROM ENDS & 16" O.C.	-	PH SCREWS
31	16 GA X 1"	AS REQD.	SILL CLADDING STAPLES, AT 2" FROM ENDS & 10" O.C.	-	-
32	16 GA X 1/2"	AS REQD.	HEAD/JAMB CLADDING STAPLES, AT 2" FROM ENDS & 10" O.C.	-	-
33	-	AS REQD.	ANCHOR CLIP, 2-1/2" LONG	GALV. STEEL	-
34	16 GA X 1-3/4'	AS REQD.	SILL THRESHOLD STAPLES, AT 2" FROM ENDS & 10" O.C.	-	-
35	-	-	-	-	-

TYPICAL WOOD – PONDEROSA PINE OR EQUIVALENT

SPECIFIC GRAVITY = 0.45 MIN.
MODULUS OF ELASTICITY E = 1,340,000 PSI

Hardware:	Quantity	Location
Top Pivot	2	Ends of head track. Attached to track using four #10-32 x 1/2" FH screws per pivot. Attached to panel using five #10 x 1-1/2" FH screws.
Bottom Pivot	2	Ends of sill. Attached to sill using four #10-32 x 1/2" FH screws. Attached to panel using five #10 x 1-1/2" FH screws.
Wall Pivot	4	Attached to jamb using two #8 x 1" PFH Screws. Attached to panel using five #10 x 1-1/2" FH screws.
E4 Hinge	2	Attached to panels using five #10 x 1-1/2" FH screws per hinge.
Hinge w/ Handle	2	Attached to panels using five #10 x 1-1/2" FH screws per hinge.
Intermediate Carrier	1	Top of passive panel lockstile, attached to panel using five #10 x 1-1/2" FH screws
Intermediate Guide	1	Bottom of passive panel lockstile, attached to panel using five #10 x 1-1/2" FH screws
Head Flush Bolt	2	Top of intermediate hinge stiles. Attached to panel using six #8 x 1-1/2" FH screws and two #8-32 x 1-9/16" Hex Drive w/Binding Barrel.
Sill Flush Bolt	2	Bottom of intermediate hinge stiles. Attached to panel using four #8 x 1-1/2" FH screws and two #8-32 x 1-9/16" Hex Drive w/Binding Barrel.
Ashland Shootbolts	2	Top and bottom of active panel lock stile.
Twin Bolt	2	Top and bottom of passive panel lock stile.
Head Shootbolt Strike	4	Attached to the head filler using two #8 x 2-1/2" FH screws per strike
Sill Shootbolt Strike	4	Attached to the sill using two #10 x 1" FH screws per strike.
Handle Set	1	Active panel.
Latch	1	Active panel, 37-1/2" from sill.
Deadbolt	1	Active panel, 39-1/2" from sill.
Latch Plate	1	Attached to passive lockstile using three #7 x 5/8" PFH screws



Sealed: 3/28/2025

FL #47010

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SERIES 1607 Bi-FOLD OUTSWING DOOR (L.M.I.)

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revisions:
no date by description

date: 07-25-24
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-44F
sheet 7 of 7