

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR

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

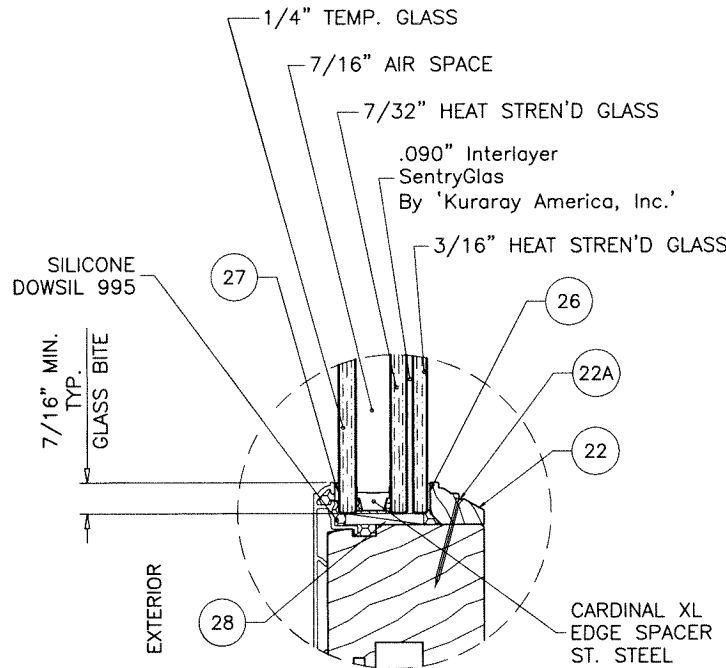
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

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.



GLAZING DETAIL
1-1/4" OVERALL INSUL. LAM. GLASS

NOTE:

DOORS WITH TWO, THREE OR MORE TRACK FRAMES ARE APPROVED FOR ANY NUMBER OF PANELS WITH STILE CONFIGURATIONS SHOWN ON SHEETS 6 THRU 11. NO LIMITATION IN TOTAL DOOR AREA.

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.

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** DETERMINE DOOR DESIGN LOAD CAPACITY FROM CHARTS ON SHEET 1.1 FOR CONFIGURATIONS USED.
- STEP 3** USING HEAD AND SILL ANCHOR CHARTS ON SHEET 1.1 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

- 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: 9/1/2026

FL #47217



revisions:		no	date	by	description
		A	09.01.26		UPDATED TO 2026 FBC
date:		04-09-25			
scale:		3/8" = 1"			
dr. by:		TARIQ			
chk. by:					
drawing no.		25-44F			
sheet		1 of 14			

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors

77 Highway 52 West

Steinbach, MB R5G 1B2, Canada

PHONE: (204) 346-6808

www.loewen.com

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 264-8100

FBPE #3538

WWW.AFCENG.COM

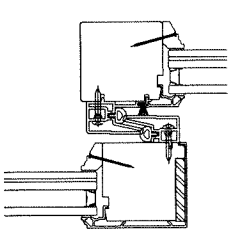
COMP-ANL\25-44F-LWD

DOORS WITHOUT POCKETS DOOR DESIGN LOAD CAPACITY – PSF DOORS WITH INTERLOCK STILES ONLY WITHOUT ASTRAGAL STILE			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1-1/4" INSUL. LAM. GLASS	
		EXT.(+)	INT.(-)
42	96	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
42	108	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0
54		55.0	55.0
42	123-1/16	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0

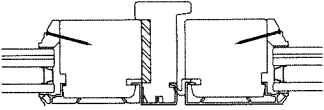
DOORS WITH POCKETS DESIGN LOAD CAPACITY – PSF DOORS WITH INTERLOCK STILES ONLY WITHOUT ASTRAGAL STILE			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1-1/4" INSUL. LAM. GLASS	
		EXT.(+)	INT.(-)
42	96	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0
54		54.6	54.6
60		51.4	51.4
42	108	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0
54		52.4	52.4
42	123-1/16	55.0	55.0
47-29/32		55.0	55.0
48		55.0	55.0

DOORS WITH & WITHOUT POCKETS DOOR DESIGN LOAD CAPACITY – PSF DOORS WITH INTERLOCK STILES AND ASTRAGAL STILE			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1-1/4" INSUL. LAM. GLASS	
		EXT.(+)	INT.(-)
42	96	40.0	40.0
47-29/32		40.0	40.0
48		40.0	40.0
54		40.0	40.0
42	108	40.0	40.0
47-29/32		40.0	40.0
42	120	40.0	40.0
47-29/32		40.0	40.0
42	123-1/16	40.0	40.0
46-23/32		40.0	40.0

ALL EXT.(+) LOADS SHOWN IN CHART ARE FOR DOOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
FOR DOOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED LIMIT EXT.(+) LOADS AS FOLLOWS.
FOR 1-9/16" SILL HEIGHT LIMIT EXT.(+) LOADS TO 50.0 PSF
FOR 2-3/8" SILL HEIGHT LIMIT EXT.(+) LOADS TO 55.0 PSF
SEE SHEET 6 FOR DETAILS



INTERLOCK STILES



ASTRAGAL STILE

AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

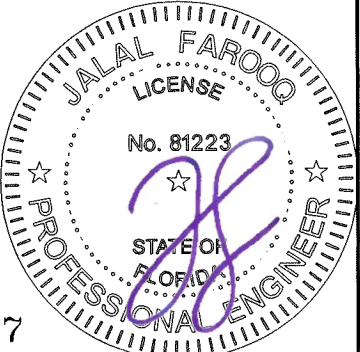
SEE CHARTS ON ABOVE FOR DESIGN LOAD CAPACITY OF DOOR SIZE AND DESIRED CONFIGURATIONS.
SEE HEAD ANCHOR CHART BELOW FOR HEAD ANCHOR LOAD CAPACITY.
SEE SILL ANCHOR CHART BELOW FOR SILL ANCHOR LOAD CAPACITY.
LOWER DESIGN PRESSURES FROM DOOR DESIGN LOAD CHART, HEAD ANCHOR CHART OR SILL ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

HEAD ANCHOR LOAD CAPACITY – PSF						
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'A'			ANCHOR TYPE 'B'	
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
42	96	53.9	55.0	55.0	55.0	55.0
46-23/32		48.5	55.0	55.0	55.0	55.0
47-29/32		47.3	55.0	55.0	55.0	55.0
48		47.2	55.0	55.0	55.0	55.0
54		41.9	55.0	55.0	55.0	55.0
60		37.7	50.3	55.0	52.5	55.0
42	108	47.9	55.0	55.0	55.0	55.0
46-23/32		43.1	55.0	55.0	55.0	55.0
47-29/32		42.0	55.0	55.0	55.0	55.0
48		41.9	55.0	55.0	55.0	55.0
54		37.3	49.7	55.0	51.8	55.0
42	120	43.1	55.0	55.0	55.0	55.0
46-23/32		38.8	51.7	55.0	53.9	55.0
47-29/32		37.8	50.4	55.0	52.6	55.0
48		37.7	50.3	55.0	52.5	55.0
42	123-1/16	42.1	55.0	55.0	55.0	55.0
46-23/32		37.8	50.4	55.0	52.6	55.0
47-29/32		36.9	49.2	55.0	51.3	55.0
48		36.8	49.1	55.0	51.2	55.0

SILL ANCHOR LOAD CAPACITY – PSF												
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'A'					ANCHOR TYPE 'B'					
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	14 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS			
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
42	96	40.2	50.2	55.0	55.0	55.0	55.0	55.0	55.0			
46-23/32		36.1	45.1	54.2	55.0	55.0	52.2	55.0	55.0			
47-29/32		35.2	44.0	52.8	55.0	55.0	50.9	55.0	55.0			
48		35.2	43.9	52.7	55.0	55.0	50.9	55.0	55.0			
54		31.2	39.1	46.9	54.7	55.0	45.2	55.0	55.0			
60		28.1	35.2	42.2	49.2	55.0	40.7	50.9	55.0			
42	108	35.7	44.6	53.6	55.0	55.0	51.7	55.0	55.0			
46-23/32		32.1	40.1	48.2	55.0	55.0	46.4	55.0	55.0			
47-29/32		31.3	39.1	47.0	54.8	55.0	45.3	55.0	55.0			
48		31.2	39.1	46.9	54.7	55.0	45.2	55.0	55.0			
54		27.8	34.7	41.7	48.6	55.0	40.2	50.2	55.0			
42	120	32.1	40.2	48.2	55.0	55.0	46.5	55.0	55.0			
46-23/32		28.9	36.1	43.3	50.6	55.0	41.8	52.2	55.0			
47-29/32		28.2	35.2	42.3	49.3	55.0	40.8	50.9	55.0			
48		28.1	35.2	42.2	49.2	55.0	40.7	50.9	55.0			
42	123-1/16	31.3	39.2	47.0	54.8	55.0	45.3	55.0	55.0			
46-23/32		28.2	35.2	42.3	49.3	55.0	40.8	50.9	55.0			
47-29/32		27.5	34.3	41.2	48.1	54.9	39.7	49.7	55.0			
48		27.4	34.3	41.1	48.0	54.8	39.7	49.6	55.0			

Sealed: 9/1/2026

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



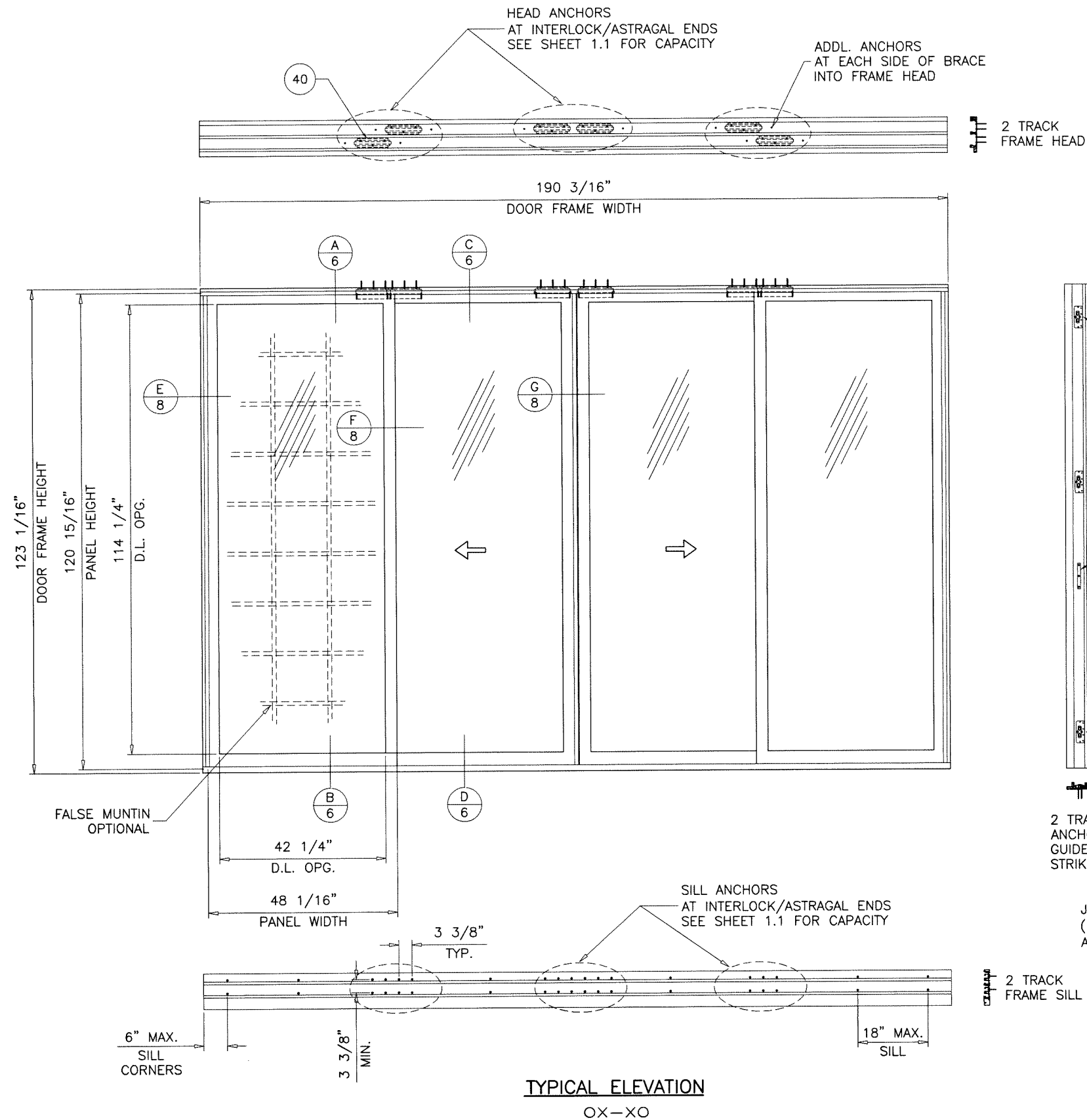
FL #47217

af c
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\25-44F-LWD

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
www.loewen.com

revisions:	no	date	by	description
date:	04-09-25	scale:	-	
dr. by:	TARIQ	chk. by:		
drawing no.	25-44F	sheet	1 of 14	



TYPICAL ELEVATION
OX-XO

DAYLITE OPENING WIDTH:
PANEL WIDTH - 5.813"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 6.688"

PANEL HEIGHT = DOOR FRAME HEIGHT - 2.125"

Sealed: 9/1/2026

FL #47217

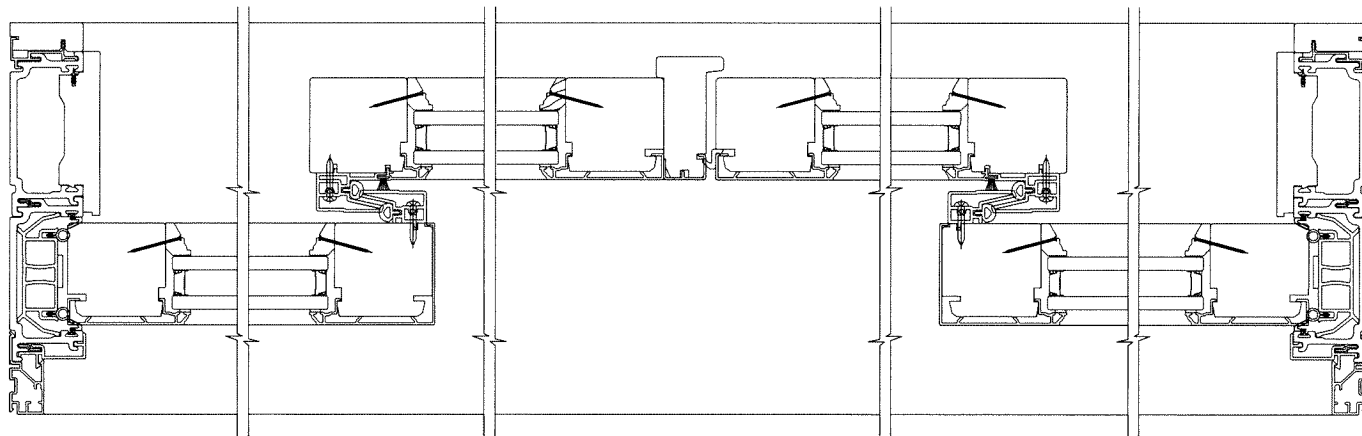
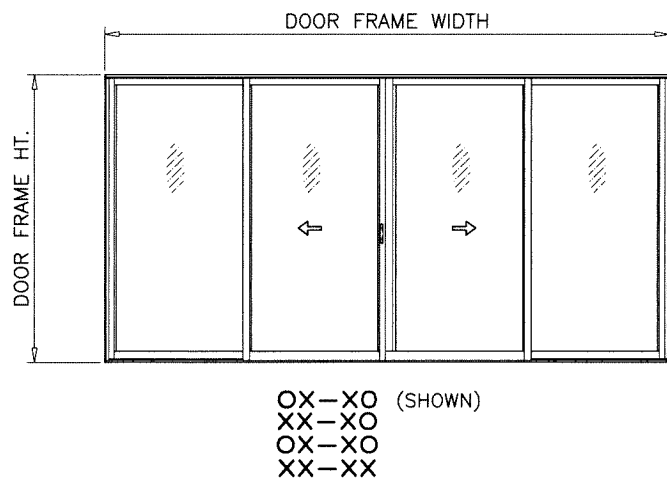
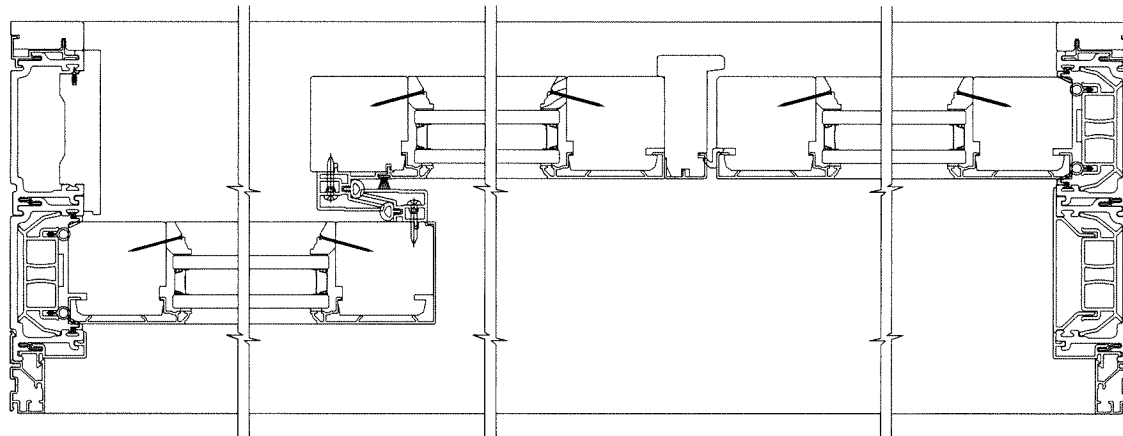
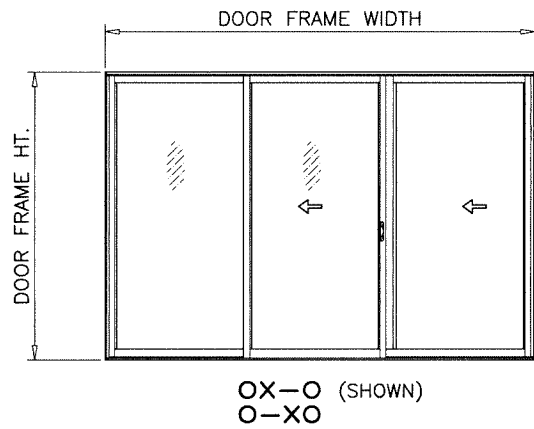
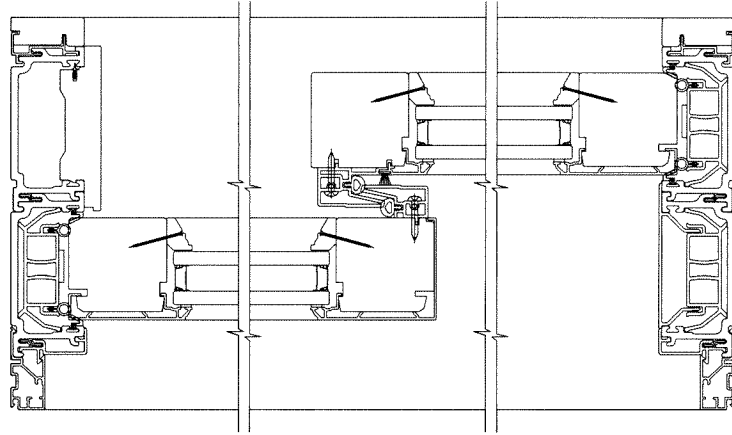
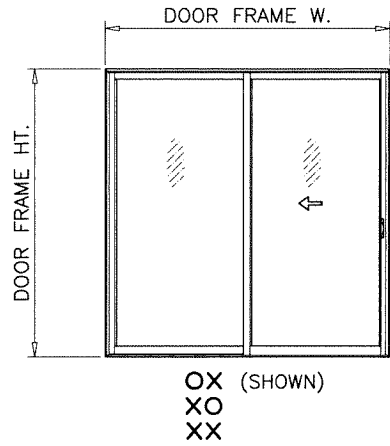


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\25-44F-LWD
FBPE #3538

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)
Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
WWW.LOEWE.COM

revisions:	no	date	by	description
date:	04-09-25			
scale:	3/8"=1'-0"			
dr. by:	TARIQ			
chk. by:				
drawing no.	25-44F			
sheet	2 of 14			





APPROVED CONFIGURATIONS
TWO (2) TRACKS

Sealed: 9/1/2026

FL #47217

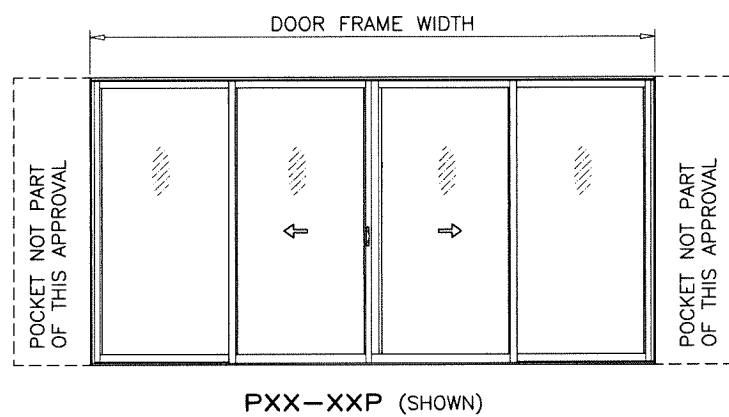


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL 25-44F-LWD

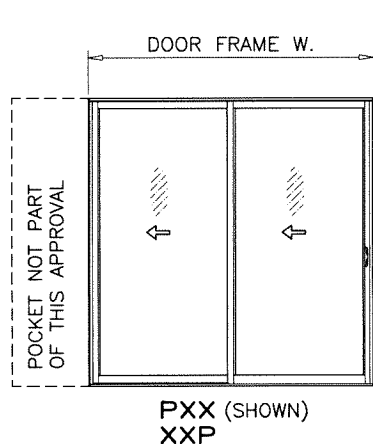
METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)
Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
WWW.LOEWE.COM

revisions:		no date by description	
date:	04-09-25	no	date
scale:	-	by	description
dr. by:	TARIQ		
chk. by:			
drawing no.	25-44F		
sheet	4	of	14

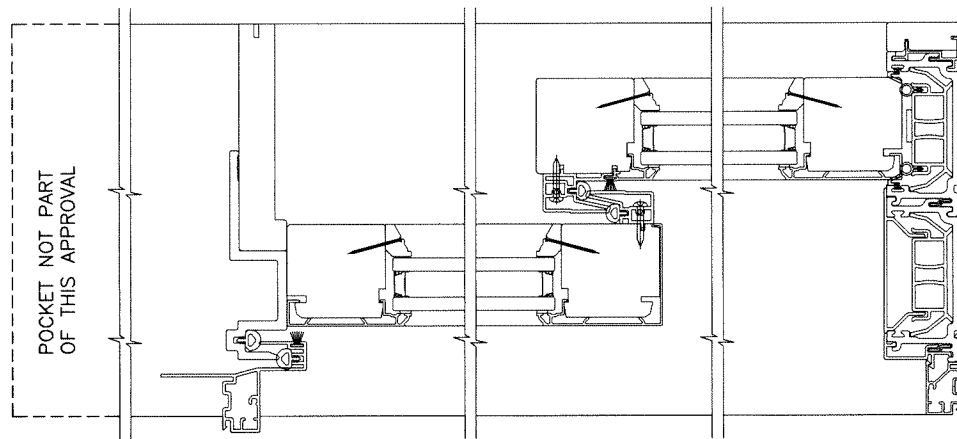
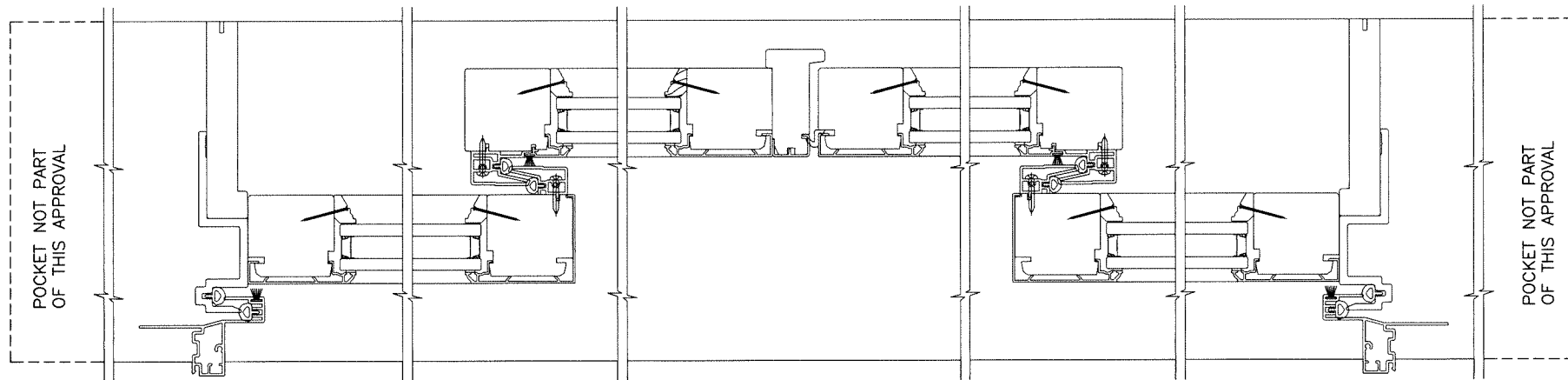
APPROVED CONFIGURATIONS
TWO (2) TRACKS
POCKETED DOORS



PXX-XXP (SHOWN)



PXX (SHOWN)
XXP



Sealed: 9/1/2026

FL #47217



date: 04-09-25	scale: -	dr. by: TARIQ	chk. by:
revisions:	no	date	by description

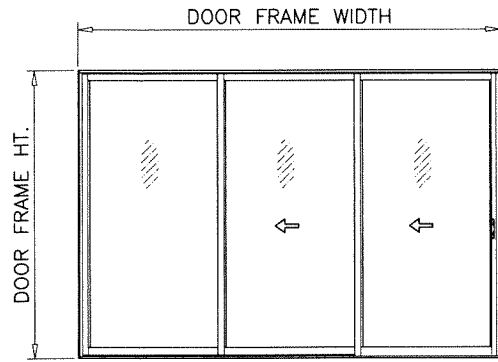
drawing no.
25-44F
 sheet 4.1 of 14

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

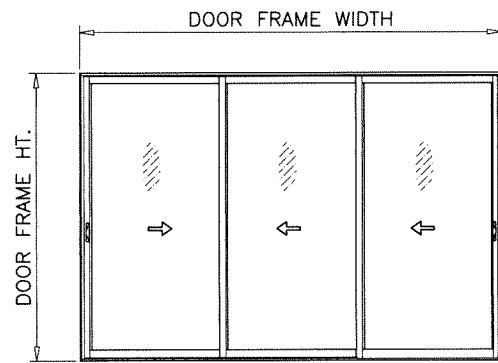
Loewen Windows And Doors
 77 Highway 52 West
 Steinbach, MB R5G 1B2, Canada
 PHONE: (204) 346-6808
 www.loewen.com

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\25-44F-LWD

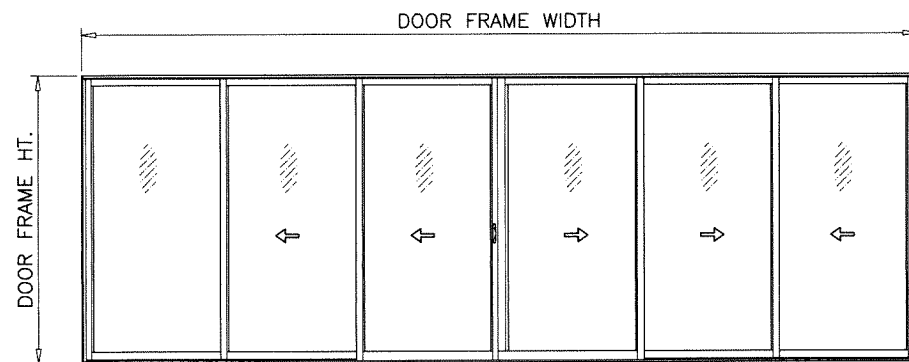
afc



OXX (SHOWN)
XXO

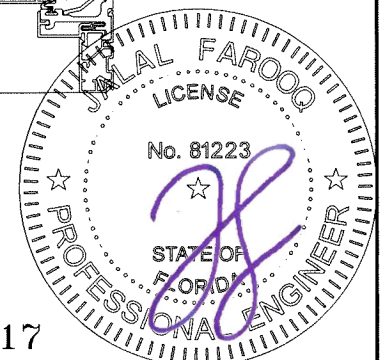
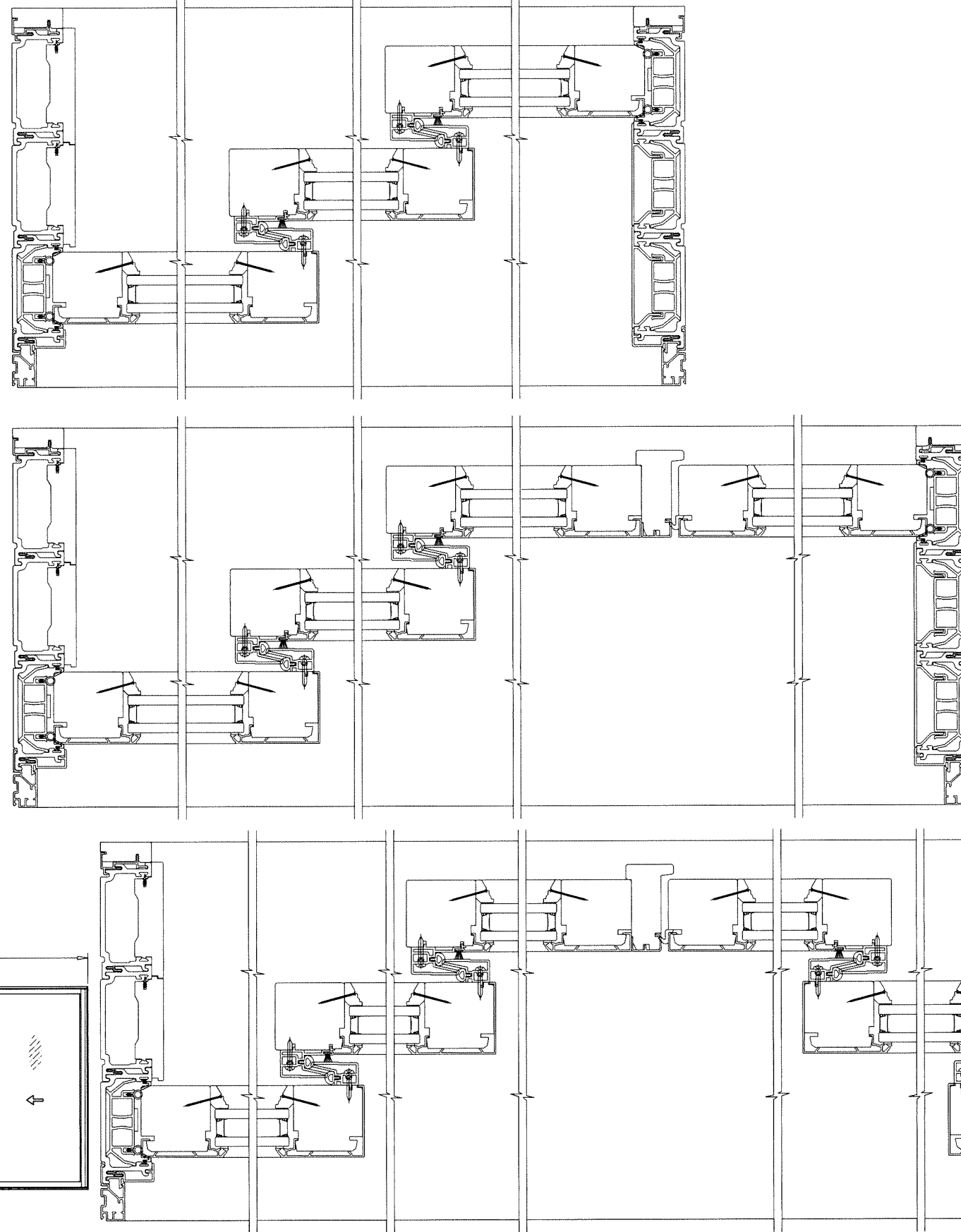


XXX (SHOWN)



OXX-XXX (SHOWN)
XXX-XXO
OXX-XXO
XXX-XXX

APPROVED CONFIGURATIONS
THREE (3) TRACKS
NON-POCKETED DOORS



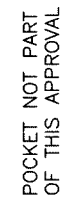
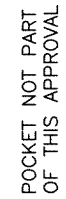
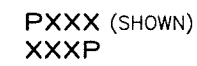
Sealed: 9/1/2026

FL #47217

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 \ 25-44F-LWD

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)
Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
WWW.LOEWEEN.COM

revisions:	no	date	by	description
date:	04-09-25	scale:	-	
dr.	by: TARIQ	chk.	by:	
drawing no.	25-44F			
sheet	5 of 14			



Sealed: 9/1/2026

FL #47217



METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808 www.loewen.ca

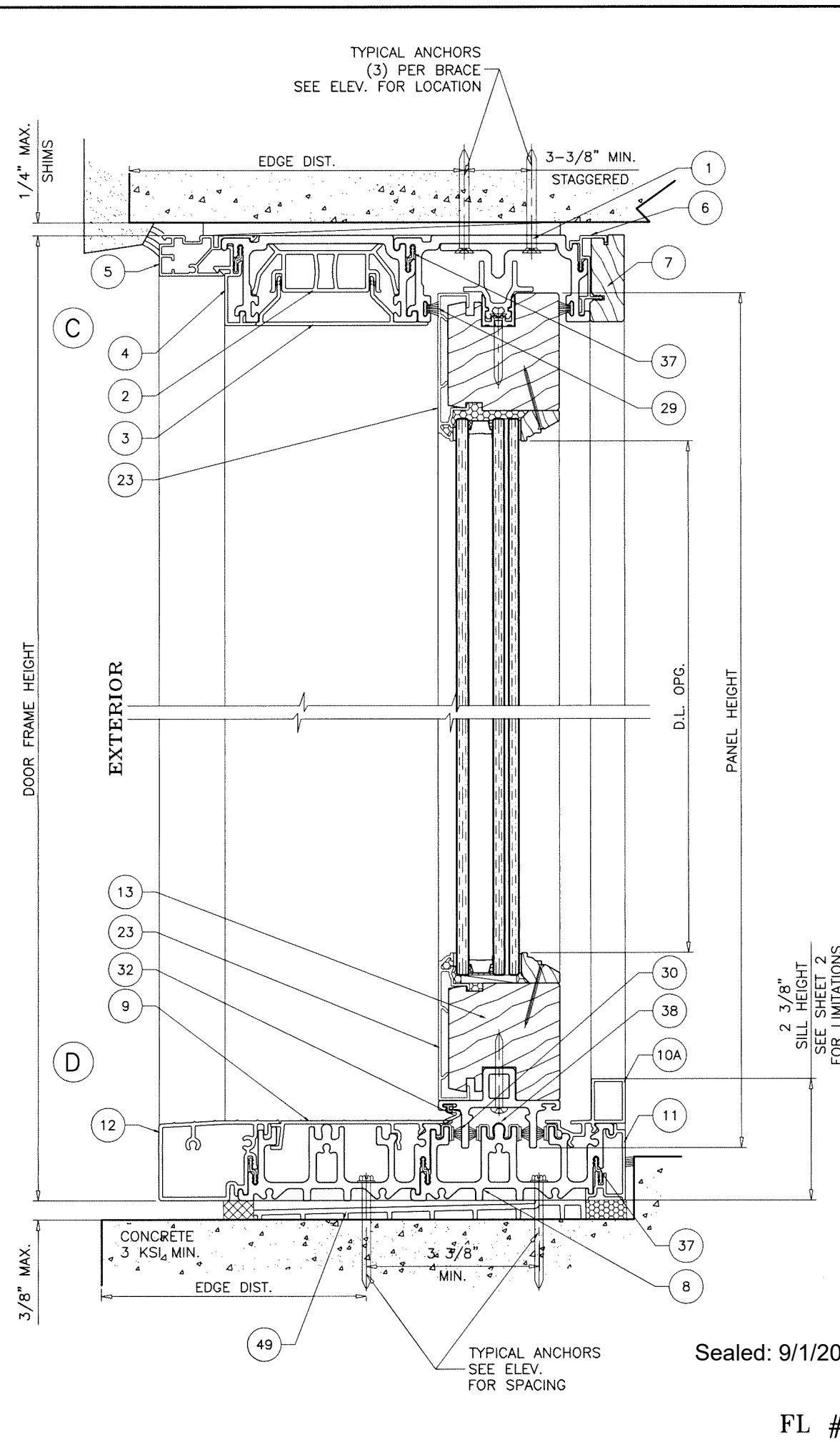
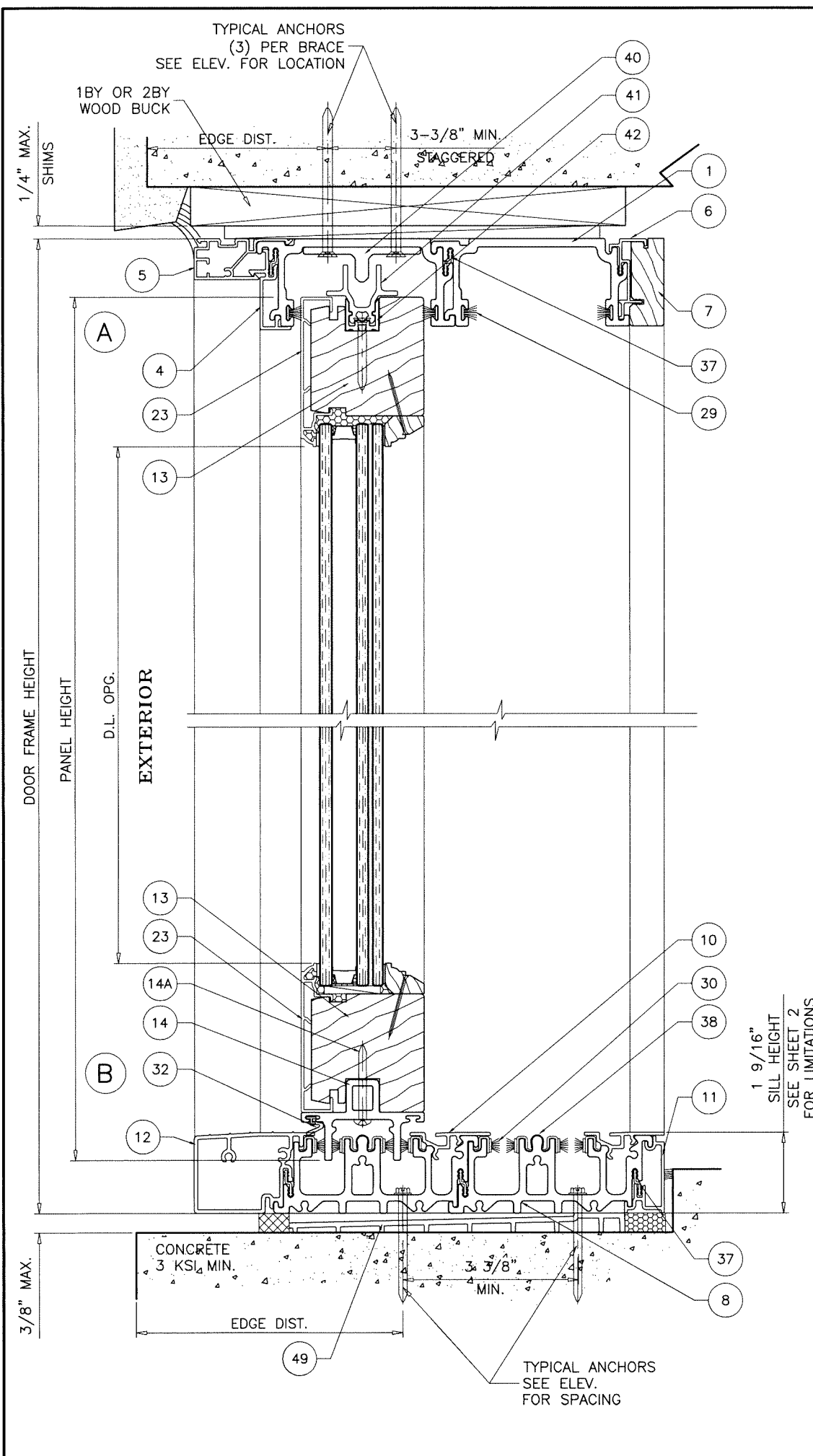
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL 25-

COMP-ANL\25-44F-LWD

date: 04-09-25		revisions:	
scale: -	no	date	by description
dr. by: TARIQ			
chk. by:			

drawing no. 25-44F

sheet 5.1 of 14



2 TRACK FRAMES



Sealed: 9/1/2026

FL #47217

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

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
www.loewen.com

revisions:	
no	date by description

date: 04-09-25

scale: 3/8" = 1"

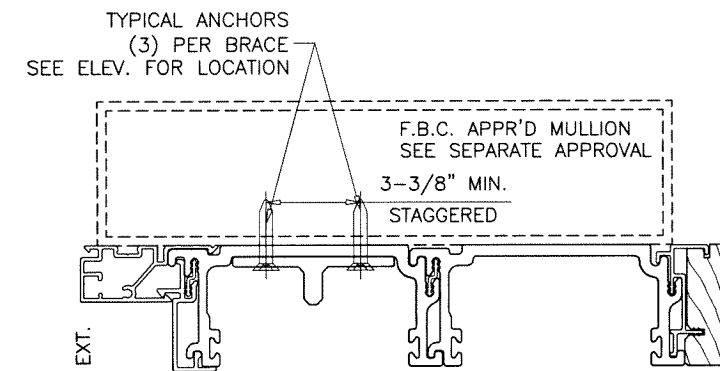
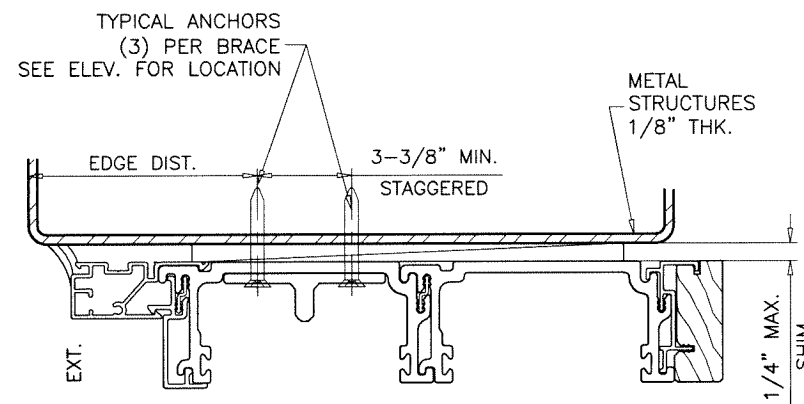
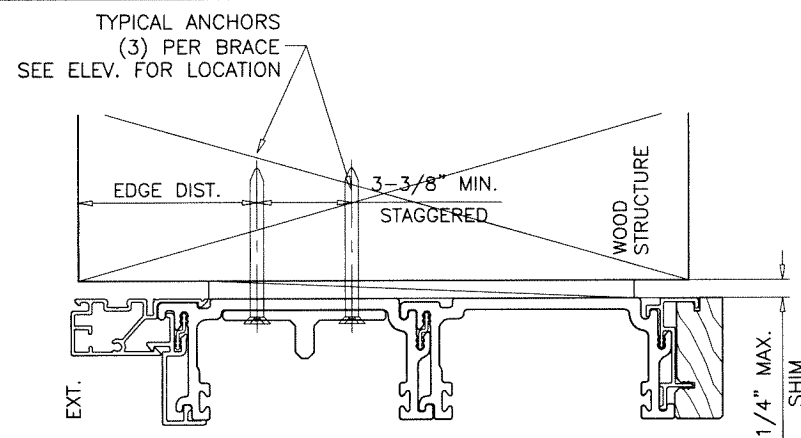
dr. by: TARIQ

chk. by:

drawing no.

25-44F

sheet 6 of 14



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 3/16" X 2-3/4" ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/8" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

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

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

TYPE 'B'- #12 TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS) (AT HEAD/SILL)

TYPE 'B'— #10 TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS) (AT JAMBS ONLY)

INTO F.B.C. APPROVED MULLIONS
AND
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL EDGE DISTANCE

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

WOOD AT HEAD, SILL 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.

2 TRACK FRAMES



Sealed: 9/1/2026

FL #47217

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM

a f c

FBPE #3538
COMP-ANL\25-44F-LWD

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
77 Highway 52 West

77 Highway 52 West
Steinbach, MB R5G 1B2, Canada

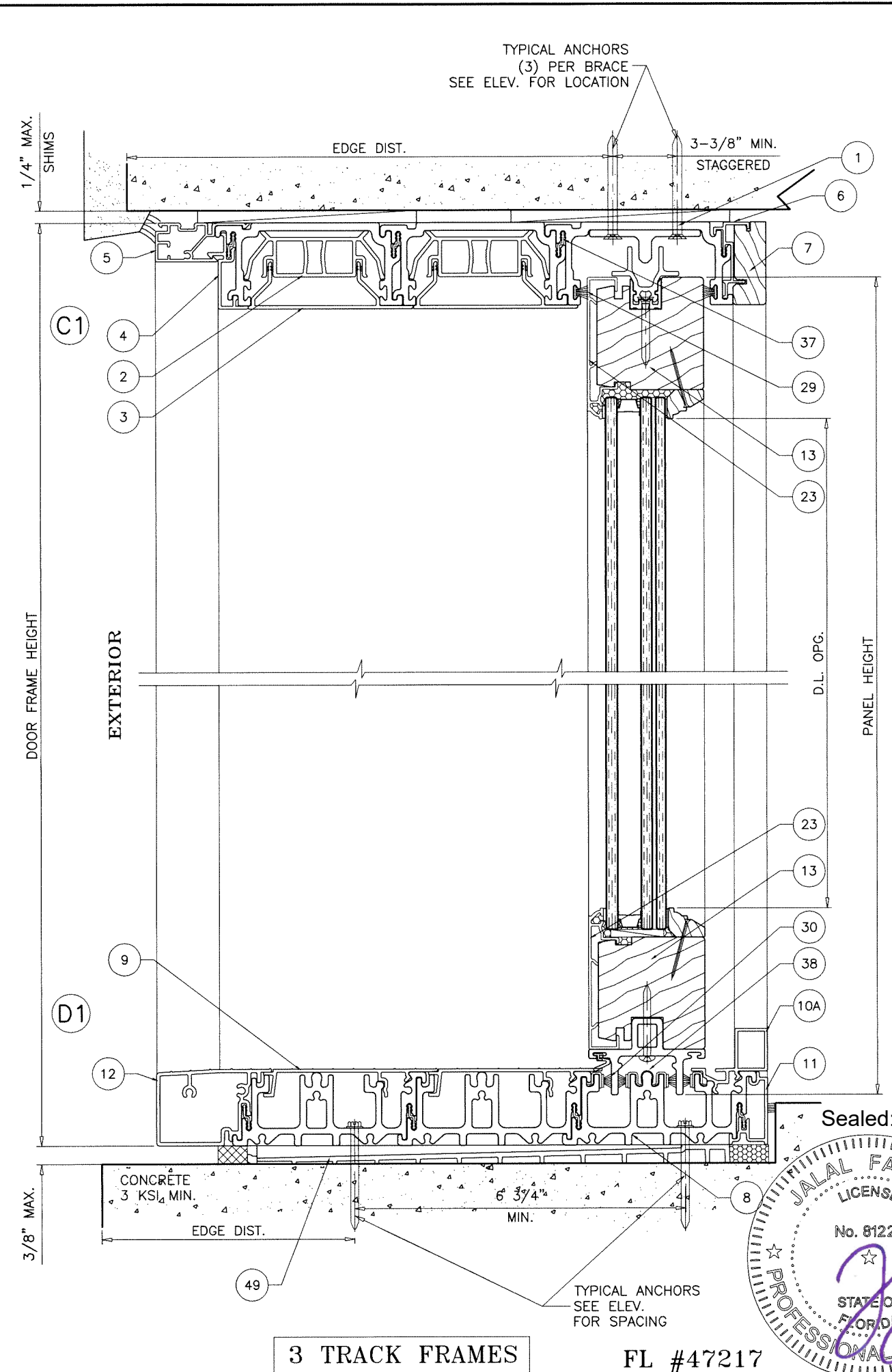
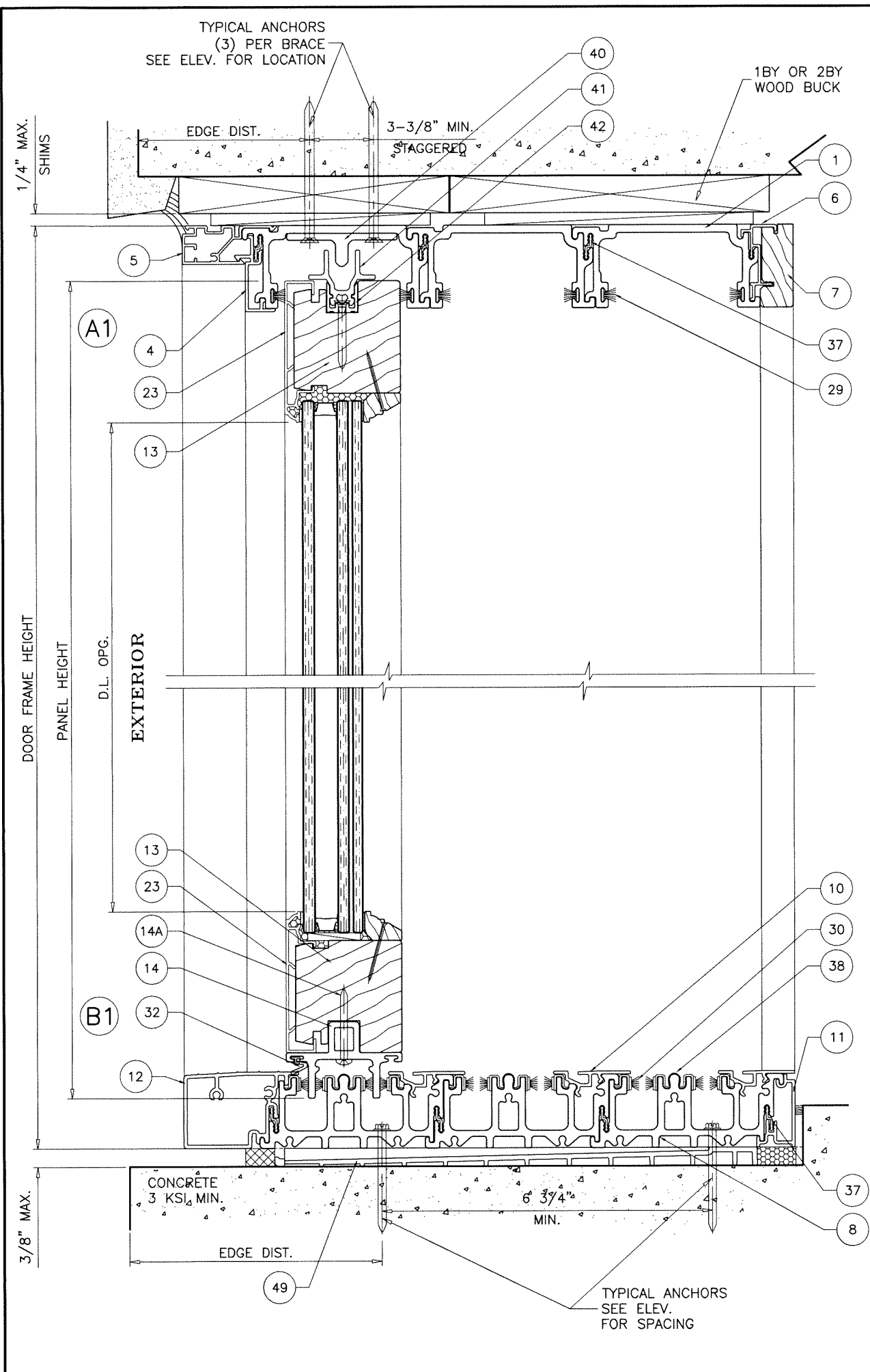
PHONE: (204) 346-6808 www.loewen.com

[illegible]

drawing no.

25-44F

sheet 7 of 14



3 TRACK FRAMES FL #47217



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FBPE #9538

COMP-ANL 25-44F-LWD

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

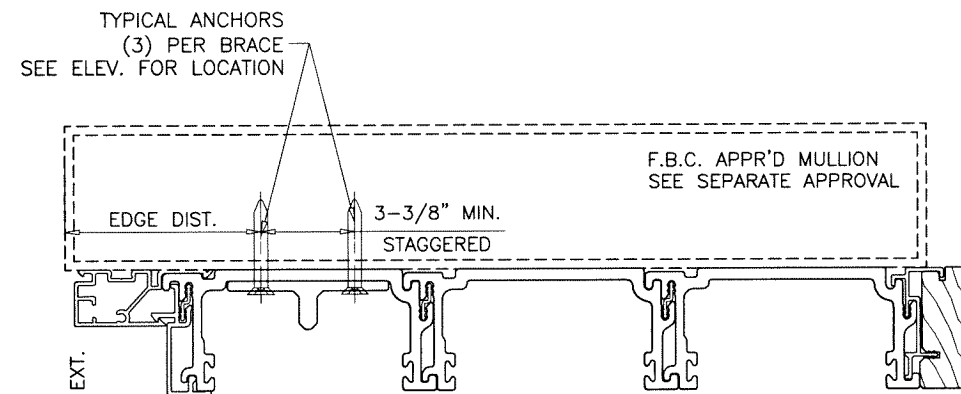
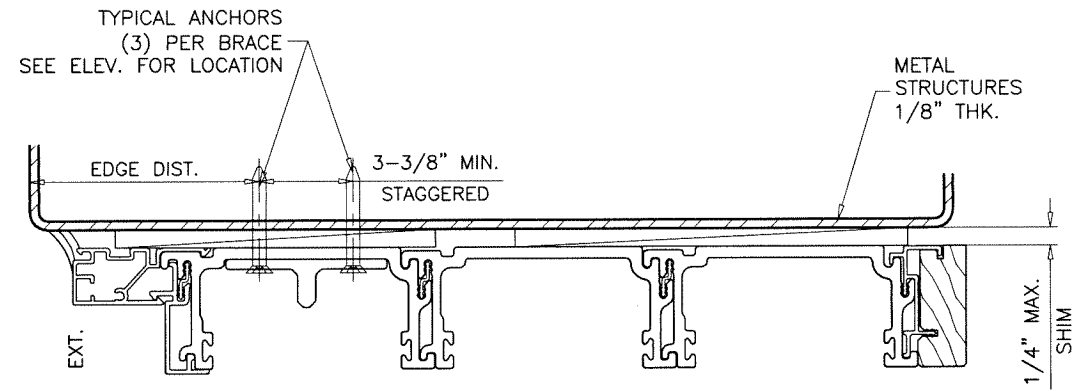
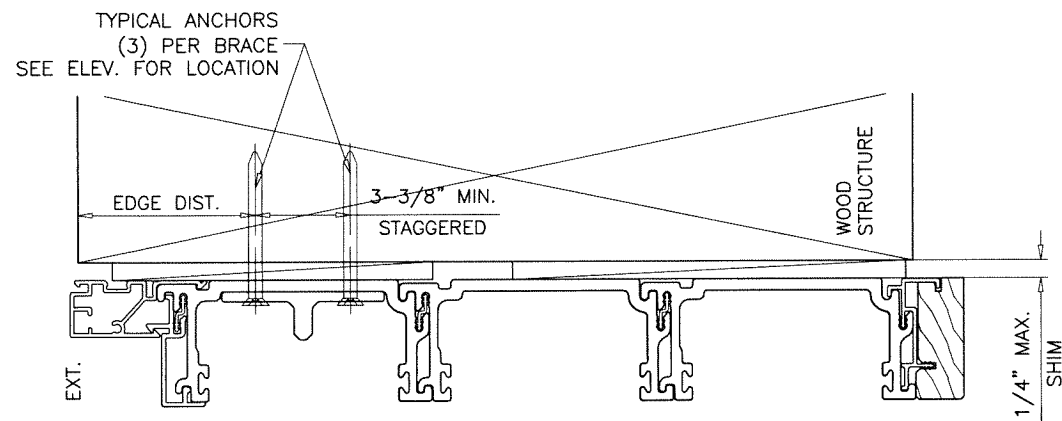
Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
www.loewen.com

www.afceng.com

revisions:	no	date	by	description

date: 04-09-25
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-44F
sheet 9 of 14



3 TRACK FRAMES

Sealed: 9/1/2026

FL #47217



METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
www.loewen.com

revisions:
no. date by description

date: 04-09-25
scale: 3/8" = 1"

dr. by: TARIQ

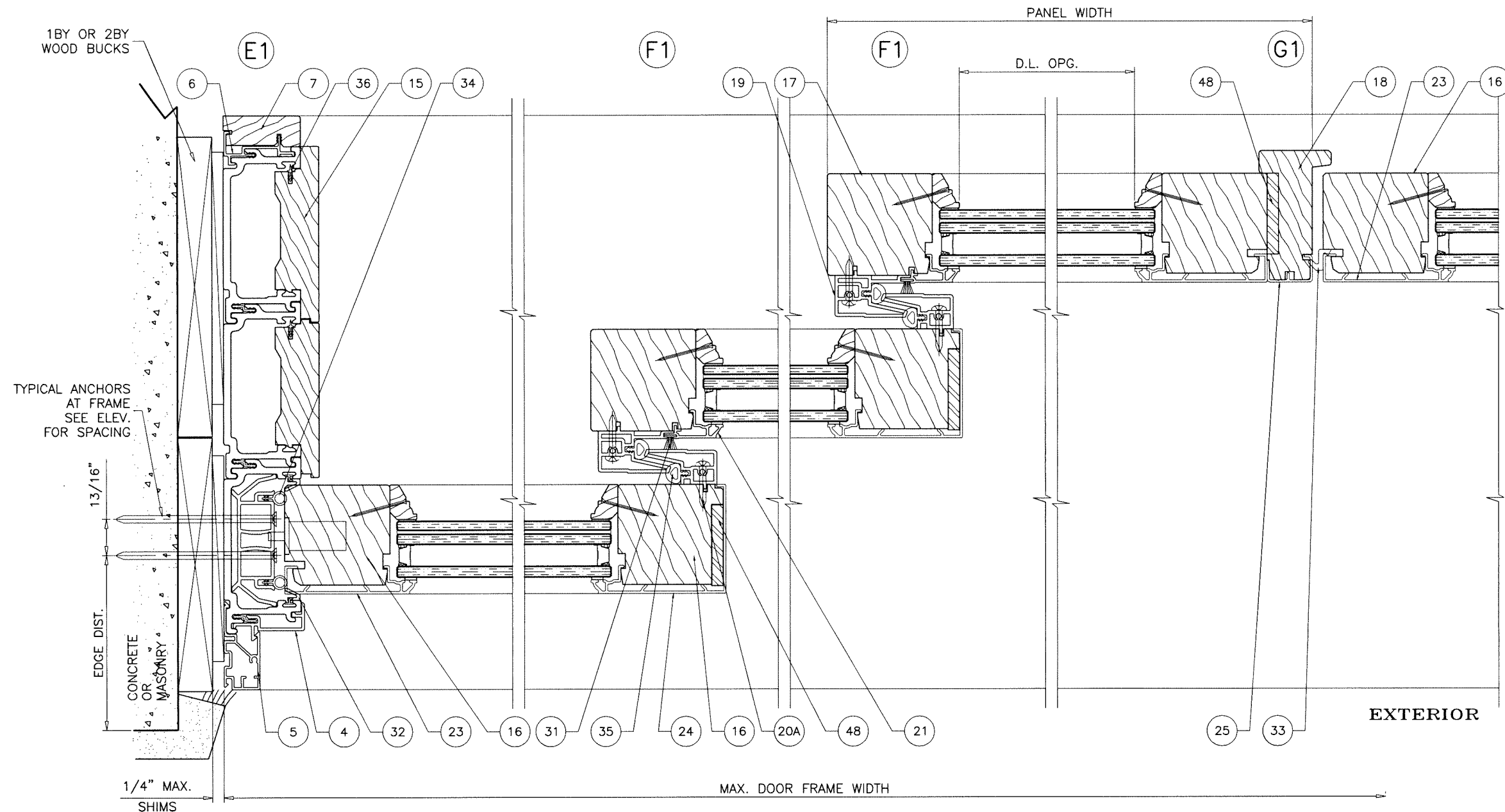
chk. by:

drawing no.

25-44F

sheet 10 of 14

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\25-44F-LWD



3 TRACK FRAMES

Sealed: 9/1/2026

FL #47217



METAL CLAD WOOD 47 MULTISIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors
 77 Highway 52 West
 Steinbach, MB R5G 1B2, Canada
 PHONE: (204) 346-6808
 www.loewen.com

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\25-44F-LWD

revisions:
 no date by description

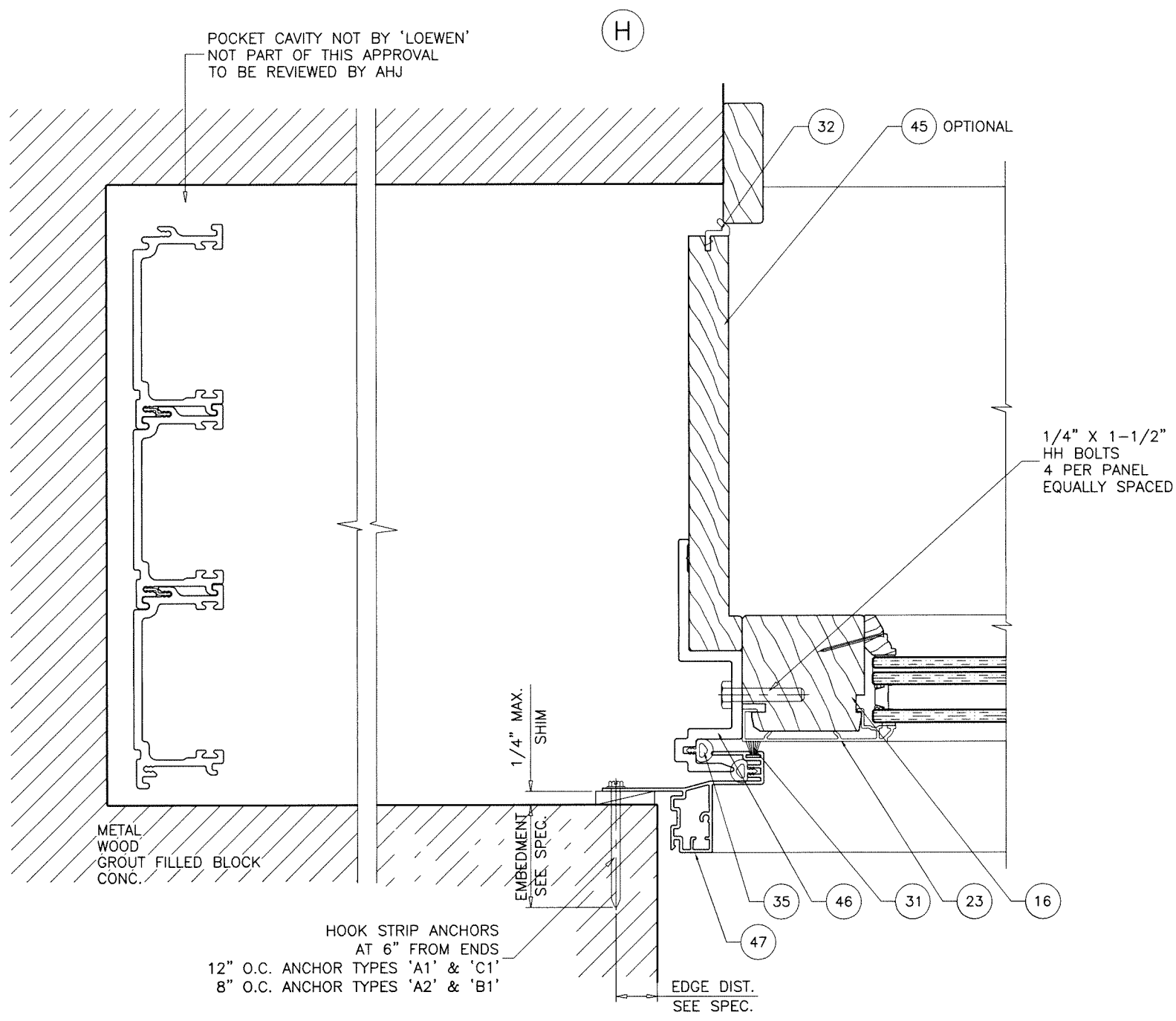
date: 04-09-25
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
25-44F
 sheet 11 of 14

revisions:		by description	
no	date		

date: 04-09-25
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
25-44F
 sheet 12.1 of 14



POCKETED JAMB OPTION

HOOK STRIP ANCHORS:

TYPE 'A1'— #10 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'A2'— 0.13" DIA. CARBON STEEL NAILS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'B1'— 3/16" DIA. ULTRACON BY 'DEWALT' (Fu=164 KSI, Fy=117 KSI)
 THRU 1BY BUCKS INTO CONC. OR FILLED BLOCKS
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS
 DIRECTLY INTO CONC. OR FILLED BLOCKS
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

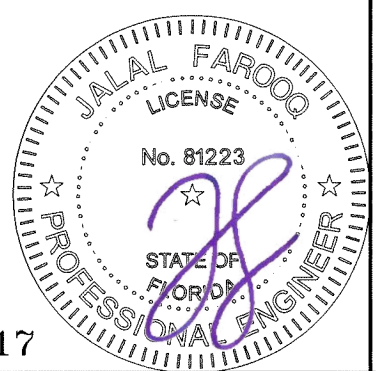
TYPE 'C1'— #10 TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

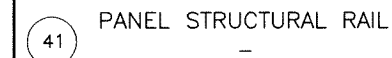
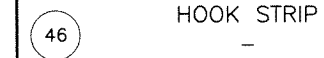
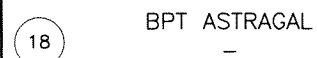
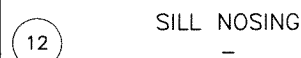
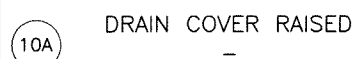
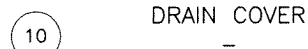
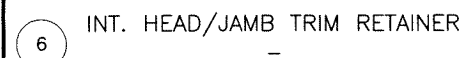
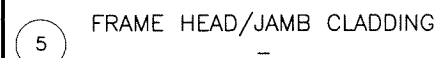
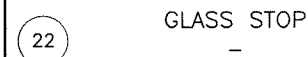
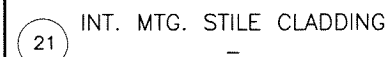
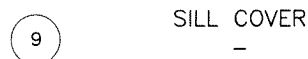
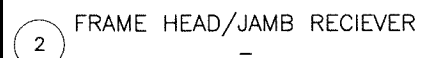
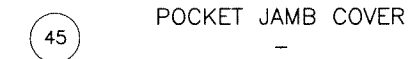
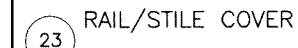
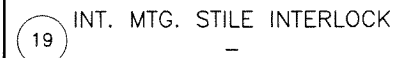
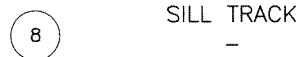
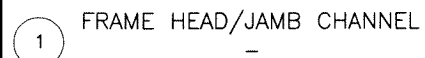
ANCHOR EDGE DISTANCES
 INTO CONCRETE OR BLOCKS = 3/4" MIN.
 INTO WOOD STRUCTURE = 3/4" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT JAMBS SG = 0.55 MIN.
CONCRETE AT JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Sealed: 9/1/2026

FL #47217





Sealed: 9/1/2026

FL #47217



METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.

Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808 www.loewen.ca

revisions: no date by description

date: 04-09-25

drawing no.
25-44F

sheet 13 of 14

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\25-
FBPE #5538

COMP-ANL\25-44F-LWD

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	—	AS REQD.	FRAME HEAD/JAMB CHANNEL	FIBERGLASS	—
2	—	AS REQD.	FRAME HEAD/JAMB RECIEVER	RIGID PVC	—
3	—	AS REQD.	FRAME HEAD COVER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
4	—	AS REQD.	FASCIA CLADDING	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
5	—	AS REQD.	FRAME HEAD/JAMB CLADDING	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
6	—	AS REQD.	INTERIOR HEAD/JAMB TRIM RETAINER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
7	—	AS REQD.	INTERIOR TRIM	WOOD	—
8	—	AS REQD.	SILL TRACK	FIBERGLASS	—
9	—	AS REQD.	SILL COVER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
10	—	AS REQD.	DRAIN COVER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
10A	—	AS REQD.	DRAIN COVER RAISED	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
11	—	AS REQD.	INTERIOR SILL TRIM	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
12	—	AS REQD.	SILL NOSING	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
13	—	AS REQD.	PANEL TOP/BOTTOM RAIL	WOOD	—
14	—	AS REQD.	BOTTOM RAIL GUIDE	FIBERGLASS	—
14A	#8 X 1-1/2"	4/ PANEL	GUIDE FASTENERS	ST. STEEL	PH SMS
15	—	AS REQD.	JAMB COVER	WOOD	—
16	—	AS REQD.	FIXED STILE	WOOD	—
17	—	AS REQD.	OPERATING MTG. STILE	WOOD	—
18	—	AS REQD.	BPT ASTRAGAL	—	—
19	—	AS REQD.	INTERIOR MTG. STILE INTERLOCK	RIGID PVC	—
20	—	AS REQD.	EXTERIOR PANEL INTERLOCK	RIGID PVC	—
20A	#8 X 1"	AS REQD.	INTERLOCK FASTENERS, AT 1" FRO ENDS & 12" O.C.	RIGID PVC	PH SMS
21	—	AS REQD.	INTERIOR MTG. STILE CLADDING	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
22	—	AS REQD.	GLASS STOP	WOOD	—
22A	18 GA X 1-1/4"	AS REQD.	GLASS STOP FASTENERS, 2" FROM ENDS & 6" O.C.	STEEL	BRAD NAILS
23	—	AS REQD.	RAIL/STILE COVER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
24	—	AS REQD.	MTG. STILE COVER	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
25	—	AS REQD.	ASTRAGAL COVER	—	—
26	—	AS REQD.	INTERIOR GLAZING TAPE	—	VENTURE
27	—	AS REQD.	EXTERIOR GLAZING TAPE	—	VENTURE
28	—	AS REQD.	SETTING BLOCK AT QUARTER POINTS	EPDM	DUROMETER 80±5 SHORE A
29	—	AS REQD.	PILE W'STRIPPING AT HAED	WOOL	—
30	—	AS REQD.	PILE W'STRIPPING AT SILL	WOOL	—
31	—	AS REQD.	PILE W'STRIPPING AT INTERLOCK	WOOL	—
32	—	AS REQD.	LEAF W'STRIPPING AT BOTTOM RAIL/JAMBS	PVC/FOAM	Q-LON, QEZ-376
33	—	AS REQD.	LEAF W'STRIPPING AT ASTRAGAL	—	Q-LON
34	—	AS REQD.	BULB W'STRIPPING AT JAMBS	VINYL	—
35	—	AS REQD.	BULB W'STRIPPING AT INTERLOCK	VINYL	—
36	—	AS REQD.	FIN W'STRIPPING AT JAMB COVER	VINYL	—
37	—	AS REQD.	FRAME OFFSET TREE AT HEAD/SILL/JAMBS	RIGID PVC	—
38	—	AS REQD.	TRACK CAP	STEEL	—
39	—	2/ MOV. PANEL	QUAD ROLLERS	—	—
40	—	AS REQD.	STRUCTURAL BRACE	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
41	—	AS REQD.	PANEL STRUCTURAL RAIL	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
42	—	AS REQD.	STRUCTURAL RAIL BASE	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
43	—	AS REQD.	JAMB GUIDE	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
44	—	AS REQD.	STRIKE PLATE	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
45	—	AS REQD.	POCKET JAMB COVER (OPTIONAL)	WOOD	—
46	—	AS REQD.	HOOK STRIP	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
47	—	AS REQD.	ANCHOR STRIP	ALUMINUM	6000 SERIES, Fy MIN.=25 KSI, Fu MIN.=30 KSI, Kt MAX.=1.0
48	—	AS REQD.	REINF. BAR AT EXT. INTERLOCK & ASTRAGAL	STEEL	A36, Fu MIN. = 58 KSI
49	—	AS REQD.	COMPOSITE DRAIN SHIM	ACETAL	—

FRAME CONSTRUCTION:

THE HEAD AND JAMB CORNERS ARE MITER CUT AND FASTENED TOGETHER TO THE CORNER KEY WITH TWO M4.5 x 19MM SCREWS PER TRACK THROUGH THE HEAD INTO THE CORNER KEY AND TWO SCREWS THROUGH THE JAMB INTO THE SAME CORNER KEY. THE SILL AND JAMB CORNERS ARE STRAIGHT CUT. THE JAMBS ARE FASTENED TO THE SILL KEY USING TWO M4.5 x 19MM SCREWS PER TRACK. THE SILL CHANNELS ARE FASTENED TO THE SILL KEY USING FOUR #8 x 2 ½" SCREWS PER TRACK.

PANEL CONSTRUCTION:

ALL FOUR PANEL CORNERS ARE CONNECTED BY 5/8" WOOD DOWELS. THERE ARE TWO DOWELS PER JOINT. EACH JOINT IS SEALED WITH A HYBRID SEALANT.

TYPICAL WOOD-DOUGLAS FIR

SPECIFIC GRAVITY = 0.46 MIN.
GRADE = 2 MIN.
MOISTURE CONTENT = 19% MAX.
Fb = 850 PSI MIN.
Emin = 440 KSI MIN.
E = 1200 KSI MIN.
ANY WOOD SPECIES WITH HIGHER VALUES OF SG, FB AND E IS ALLOWED.

PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY, STATE AND 'MDCA'.



Sealed: 9/1/2026

FL #47217

afc

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM

COMP-ANL\25-44F-LWD

PBPE #8538

METAL CLAD WOOD 47 MULTISLIDE GLASS DOOR (L.M.I.)

Loewen Windows And Doors

77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
PHONE: (204) 346-6808
www.loewen.com

revisions:		no		by		description	
no	date						

date: 04-09-25

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

25-44F

sheet 14 of 14