

ALUMINUM LIFT AND SLIDE BI-PARTING DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEET 2.

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.

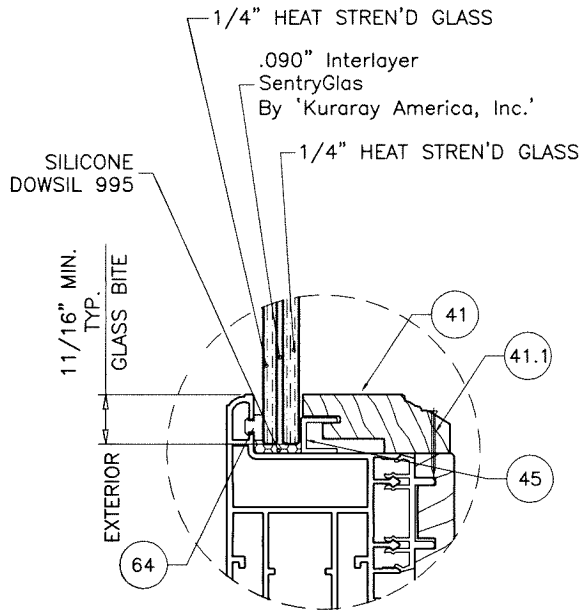
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

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.

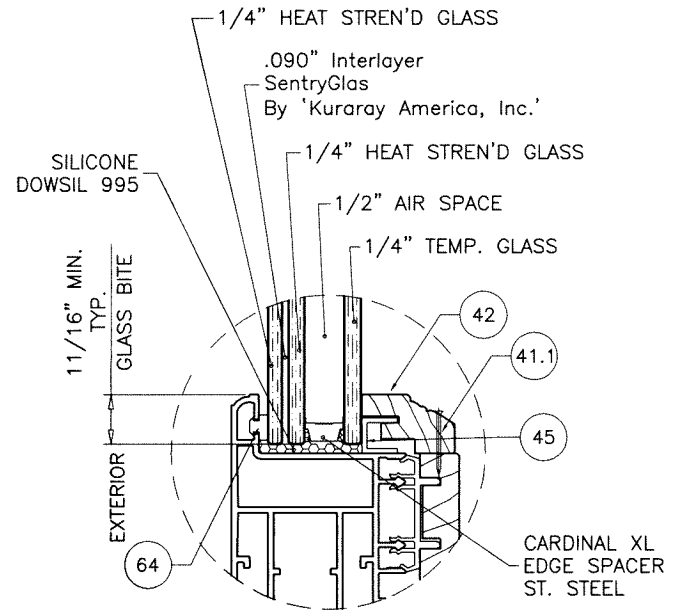
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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



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



GLASS TYPE 'Ai'
1-5/16" OVERALL LAM. INSUL. GLASS

NOTE:

DOORS WITH ONE OR MORE TRACK FRAMES ARE APPROVED FOR ANY NUMBER OF PANELS IN POCKETING, STACKING AND BI-PARTING CONFIGURATIONS. SEE SHEETS 7 THRU 11 FOR APPROVED STILE COMBINATIONS. FRAME AREA OF ALTERNATE SIZE UNITS MUST NOT EXCEED 150% OF TESTED FRAME AREA (346.5 X 1.5) SQ. FT.

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.

Sealed: 8/19/2026

FL #48385

- 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.



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\26-02F-LWD

ALUMINUM LIFT AND SLIDE BI-PARTING DOOR (L.M.I.)
Loewen Windows And Doors
77 Highway 52 West
Steinbach, MB R5G 1B2, Canada
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www.loewen.com

revisions:	no	date	by	description
date:	01-28-26	scale:	3/8"=1'-0"	
dr. by:	TARIQ	chk. by:		
drawing no.	26-02F			
sheet	1 of 15			

DOOR DESIGN LOAD CAPACITY – PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'Ai'	
		EXT.(+)	INT.(–)
36	96	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		70.0	70.0
60		70.0	70.0
66		70.0	70.0
72		70.0	70.0
78		70.0	70.0
36	102	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		70.0	70.0
60		70.0	70.0
66		70.0	70.0
72		70.0	70.0
78		69.0	69.0
36	108	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		70.0	70.0
60		70.0	70.0
66		68.5	68.5
72		65.4	65.4
78		63.0	63.0
36	114	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		70.0	70.0
60		67.3	67.3
66		63.4	63.4
72		60.4	60.4
36	120	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		67.5	67.5
60		62.8	62.8
66		59.0	59.0
36	126	70.0	70.0
42		70.0	70.0
48		69.2	69.2
54		63.4	63.4
60		58.9	58.9
66		55.2	55.2
36	132	70.0	70.0
42		70.0	70.0
48		65.4	65.4
54		59.8	59.8
60		55.4	55.4

DOOR DESIGN LOAD CAPACITY – PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'Ai'	
		EXT.(+)	INT.(–)
36	138	70.0	70.0
42		69.0	69.0
48		62.0	62.0
54		56.6	56.6
60		52.3	52.3
36	143	70.0	70.0
42		66.2	66.2
48		59.3	59.3
54		54.1	54.1
60		50.0	50.0

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

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

Sealed: 8/19/2026



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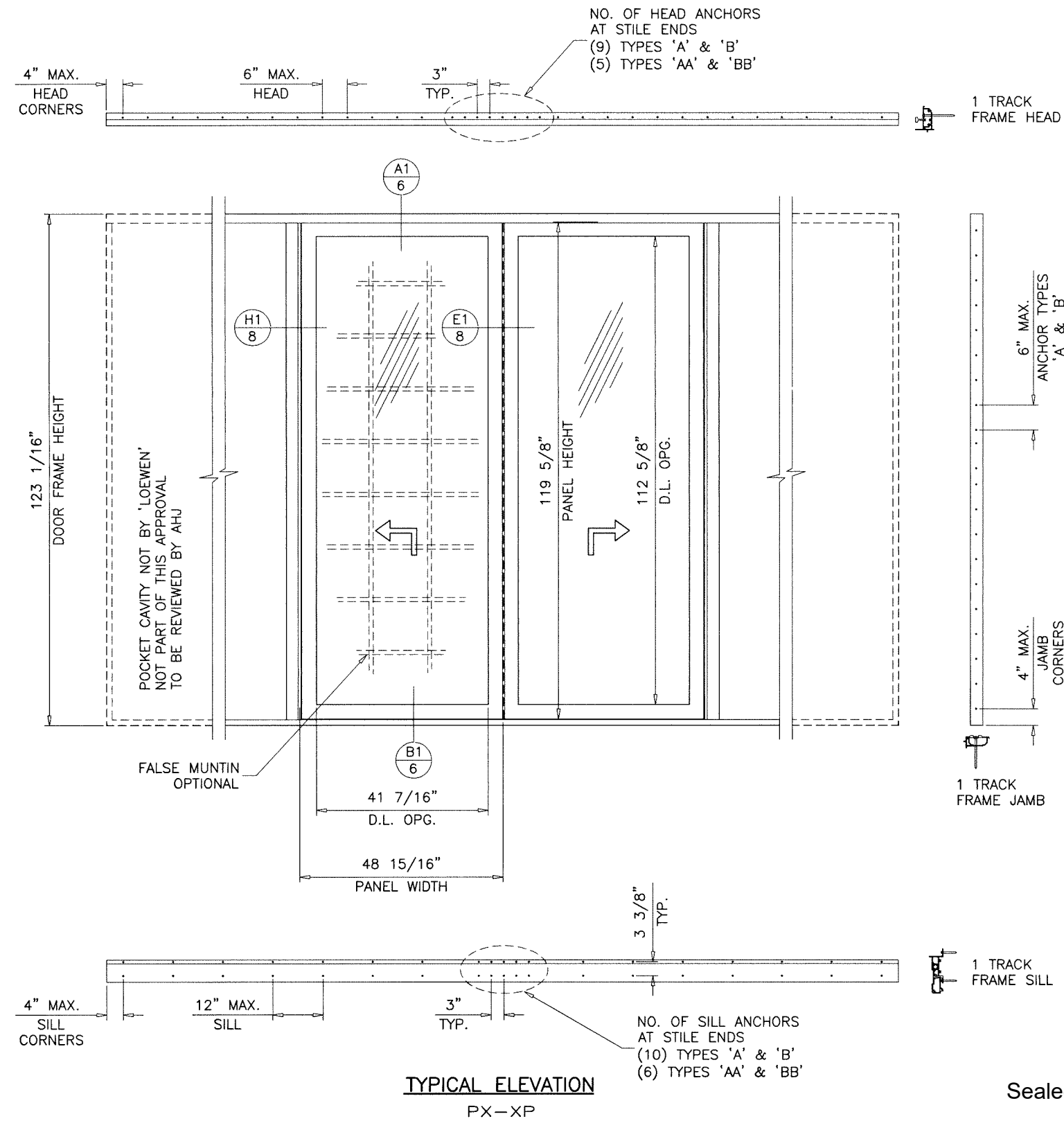
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drawing no.

26–02F

sheet 2 of 15



TYPICAL ELEVATION
PX-XP

Sealed: 8/19/2026

DAYLITE OPENING WIDTH:
PANEL WIDTH - 7.50"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 7.0"

PANEL HEIGHT = DOOR FRAME HEIGHT - 3.438"



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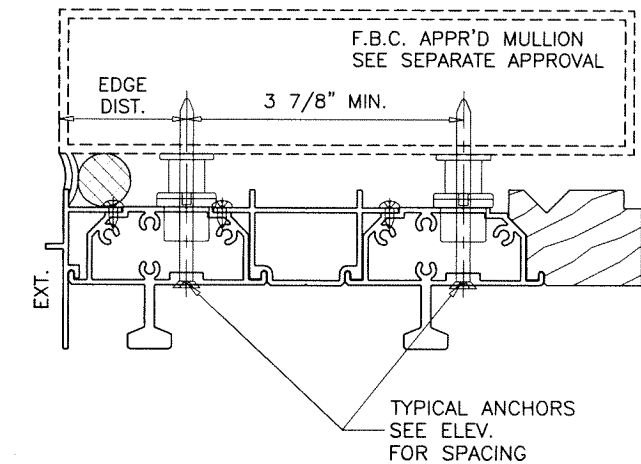
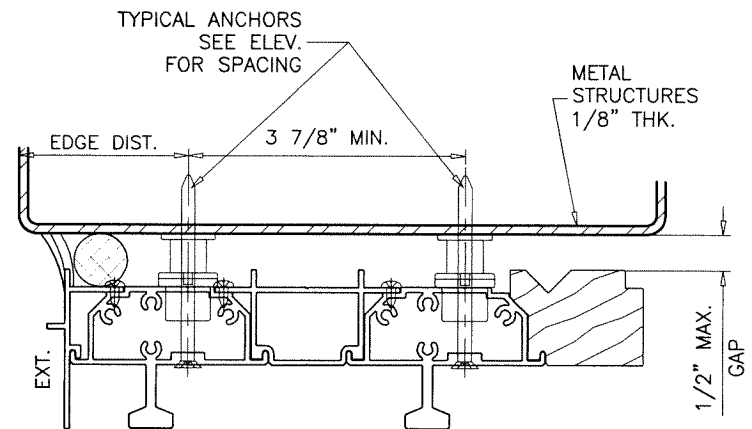
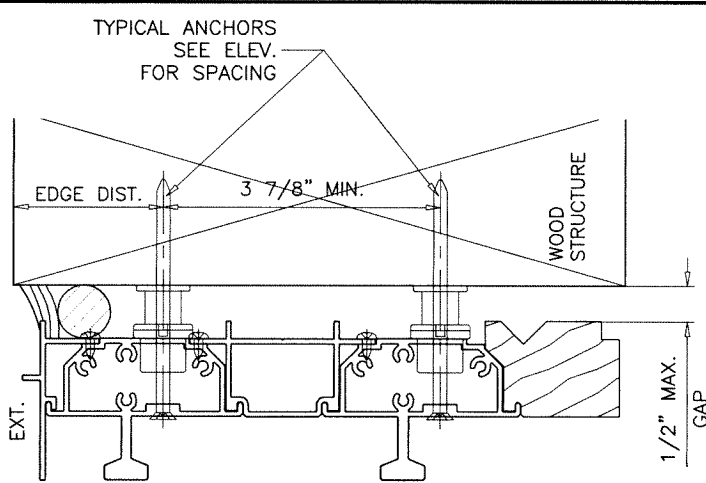
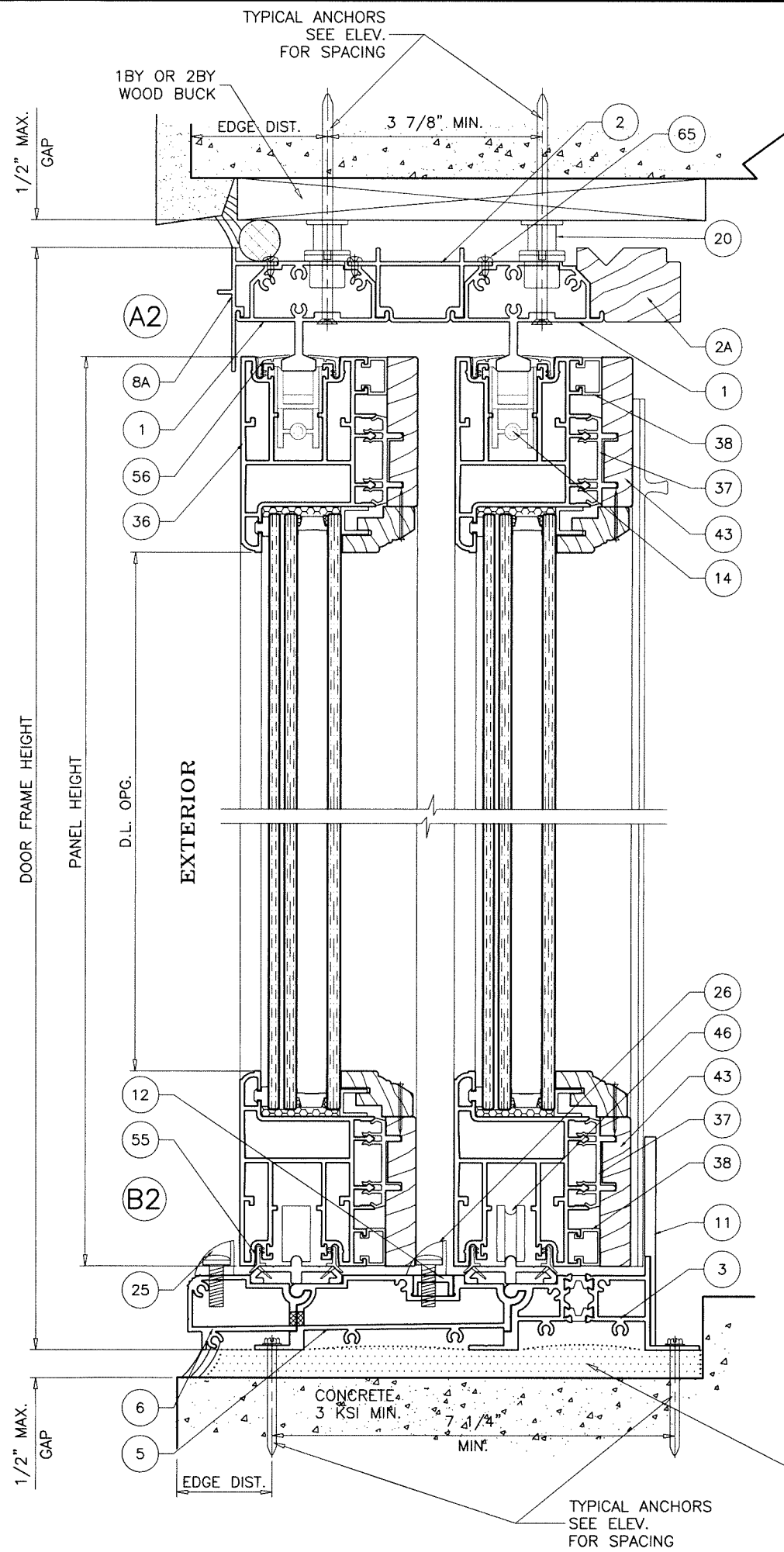
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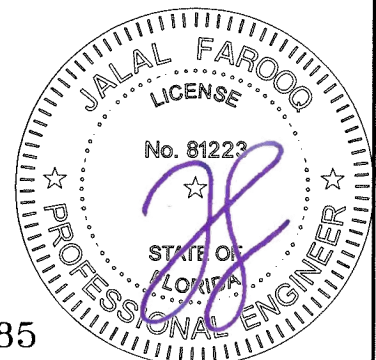
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drawing no.		description	
26-02F			
sheet 6 of 15			



POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f'c = 5000 PSI MIN.
NOT BY 'LOEWEN'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

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2 TRACK FRAMES



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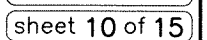
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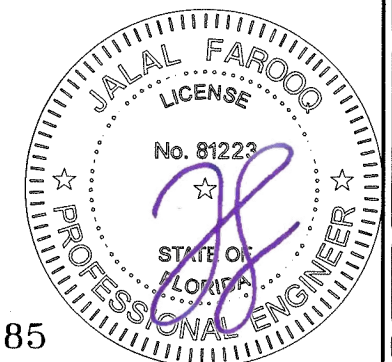
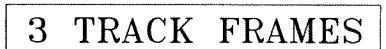
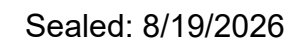
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sheet 9 of 15





FRAMES CAN BE ATTACHED TO ALL SUBSTRATES SHOWN ON SHEETS 9 THRU 11
SEE SHEETS 7 THRU 11 FOR DOOR DETAILS



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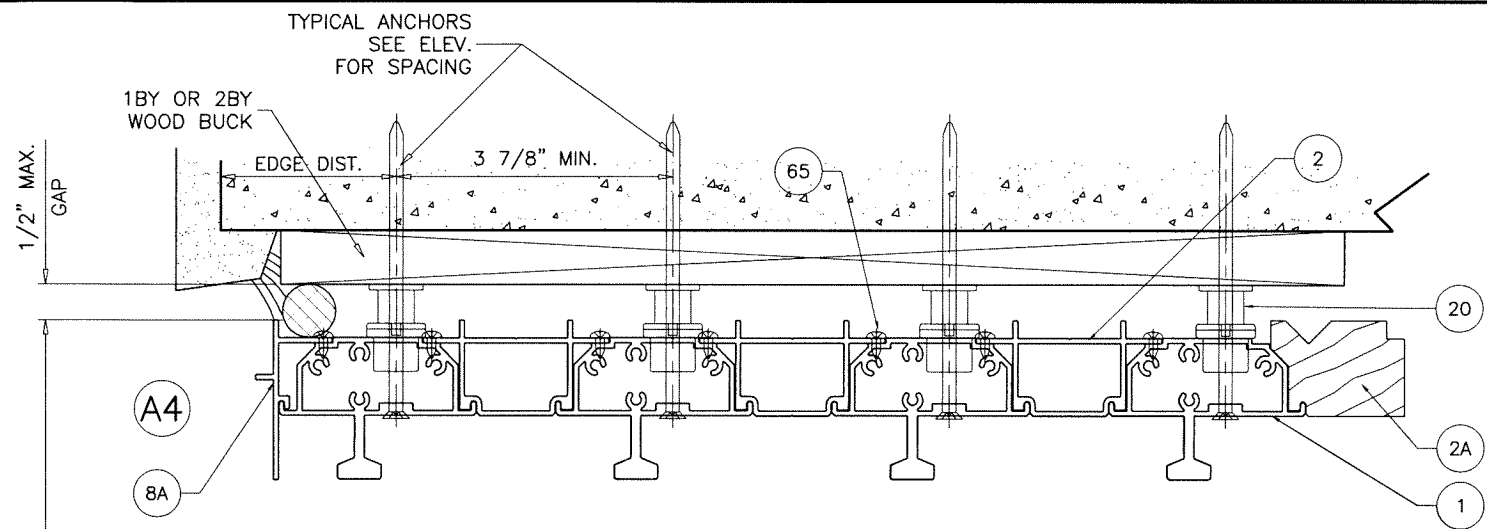
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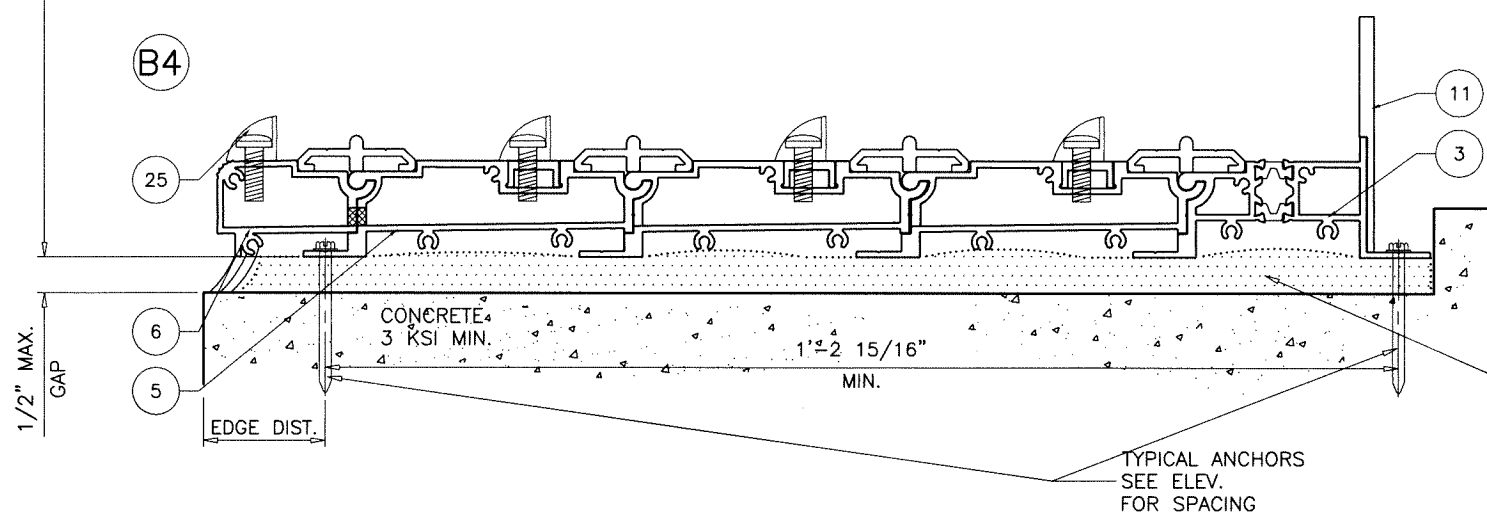
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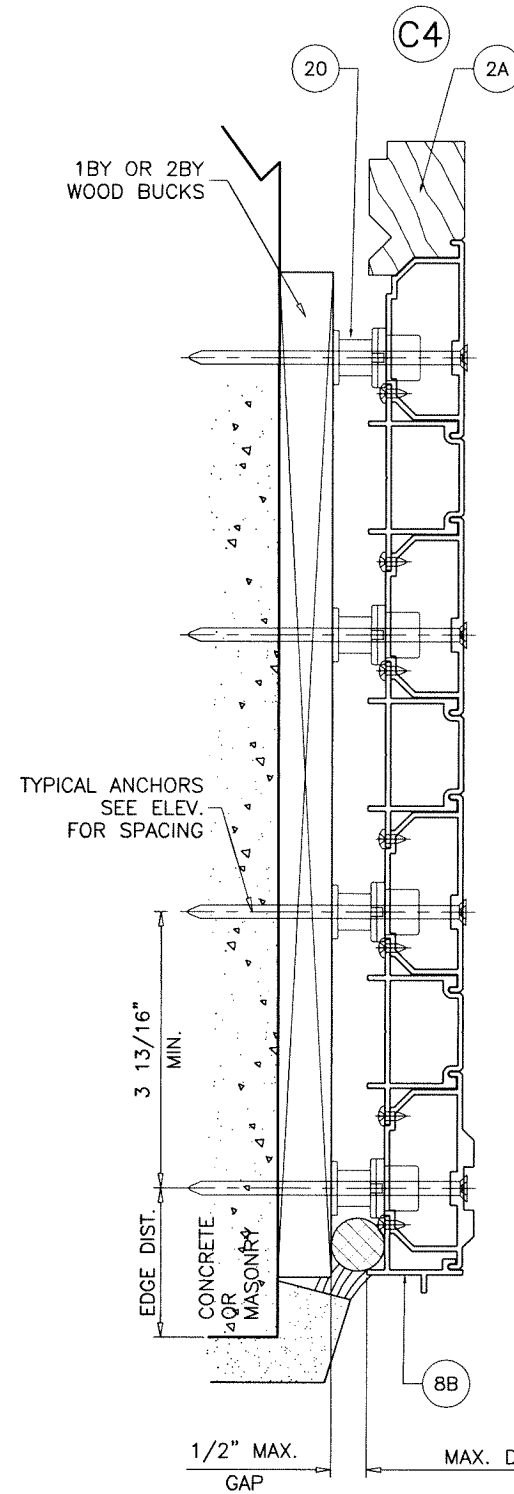
DOOR FRAME HEIGHT
EXTERIOR

4 TRACK DOOR HEAD/SILL AND JAMB FRAMES SHOWN

FRAMES CAN BE ATTACHED TO ALL SUBSTRATES SHOWN ON SHEETS 9 THRU 11
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POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f'c = 5000 PSI MIN.
NOT BY 'LOEWEN'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE



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4 TRACK FRAMES

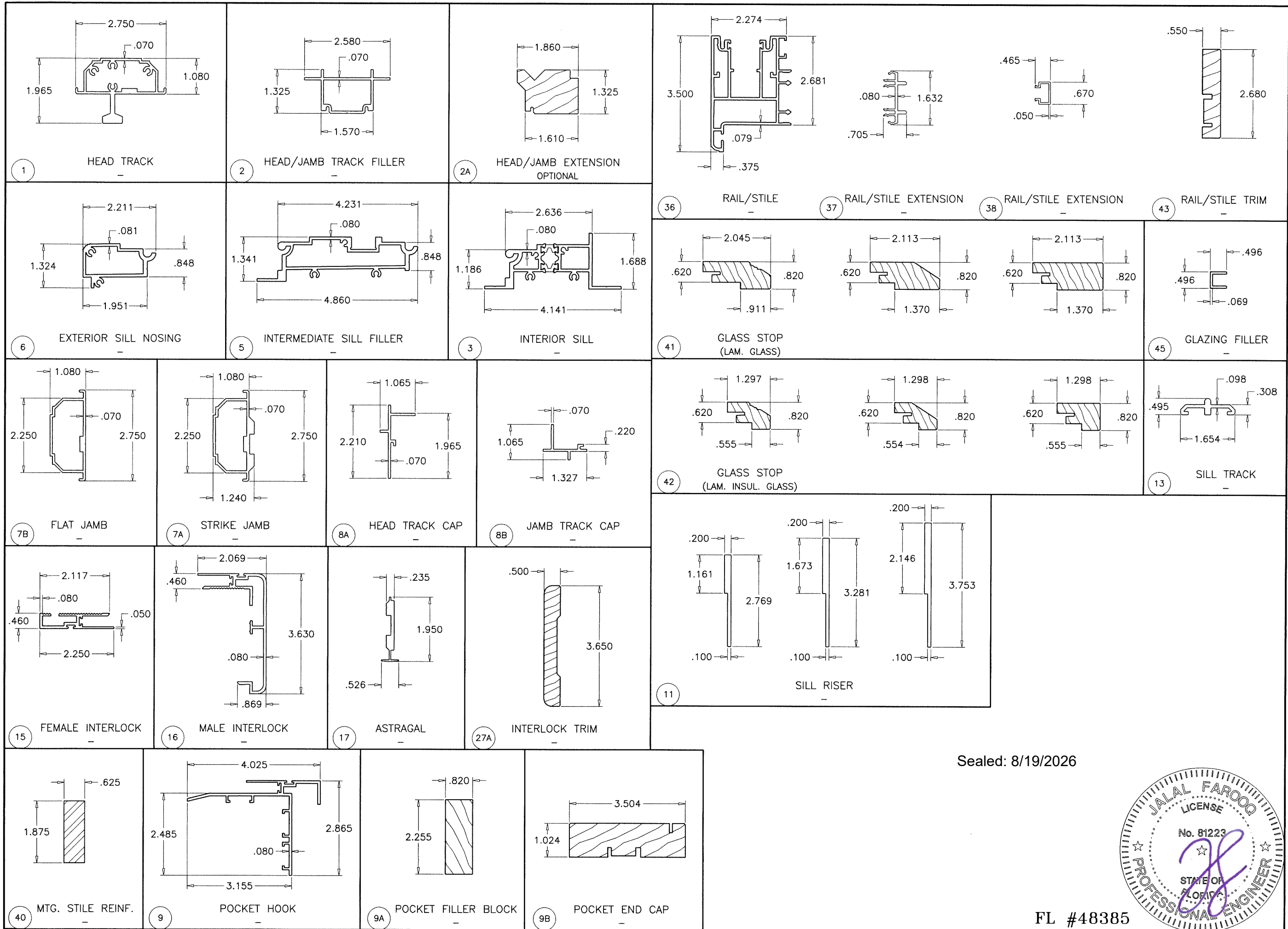


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01-28-26	date	3/8" = 1"	scale
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sheet 13 of 15			



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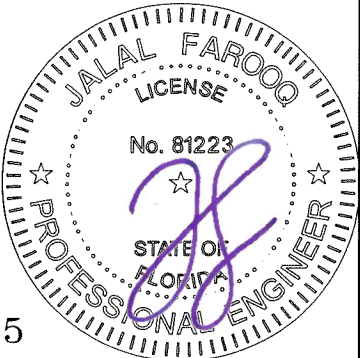
sheet 14 of 15

FL #48385

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	—	AS REQD.	HEAD TRACK	6063—T5	—
2	—	AS REQD.	HEAD/JAMB TRACK FILLER	6063—T5	—
2A	—	AS REQD.	HEAD/JAMB EXTENSION	WOOD	—
3	—	AS REQD.	INTERIOR SILL	6063—T5	—
5	—	AS REQD.	INTERMEDIATE SILL FILLER	6063—T5	—
6	—	AS REQD.	EXTERIOR SILL NOSING	6063—T5	—
7A	—	AS REQD.	STRIKE JAMB	6063—T5	—
7B	—	AS REQD.	FLAT JAMB	6063—T5	—
8A	—	AS REQD.	HEAD TRACK CAP	6063—T5	—
8B	—	AS REQD.	JAMB TRACK CAP	6063—T5	—
9	—	AS REQD.	POCKET HOOK	6063—T5	—
9A	—	AS REQD.	POCKET FILLER BLOCK	WOOD	—
9B	—	AS REQD.	POCKET END CAP	WOOD	—
11	—	AS REQD.	SILL RISER	6063—T5	—
12	—	AS REQD.	DRAIN CAP	ABS PLASTIC	—
13	—	AS REQD.	SILL TRACK	6063—T5	—
14	—	AS REQD.	HEAD TRACK GUIDE	ABS PLASTIC	—
15	—	AS REQD.	FEMALE INTERLOCK	6063—T5	—
16	—	AS REQD.	MALE INTERLOCK	6063—T5	—
17	—	AS REQD.	ASTRAGAL	6063—T5	—
18	—	AS REQD.	CORNER KEY	6063—T5	—
19	—	AS REQD.	CORNER ALIGNMENT PLATE	6063—T5	—
20	—	AS REQD.	JACKING SCREW SPACER (HEAD/JAMB)	ALUMINUM/NYLON	—
21	—	AS REQD.	JACKING SCREW SPACER (POCKET JAMB)	PVC	—
22	—	3/ LITE	SETTING BLOCK	ACETAL	—
25	—	AS REQD.	THRESHOLD SHORT STOP	6063—T5	—
26	—	AS REQD.	THRESHOLD TALL STOP	6063—T5	—
37	—	AS REQD.	RAIL/STILE EXTENSION	6063—T6	—
38	—	AS REQD.	RAIL STILE EXTENSION	6063—T6	—
40	—	—	MTG STILE REINF.	STEEL	A36, Fu MIN. = 58 KSI
41	—	AS REQD.	GLASS STOP (LAM. GLASS)	WOOD	—
42	—	AS REQD.	GLASS STOP (LAM. INSUL. GLASS)	WOOD	—
41.1	1—1/4" BRADS	AS REQD.	GLASS STOP FASTENERS AT 4" FROM ENDS & 24" O.C. MAX.	ST. STEEL	—
45	—	AS REQD.	GLAZING FILLER	RIGID PVC	—
46	—	2/ PANEL	ROLLER ASSEMBLY	—	—
55	15147	AS REQD	W'STRIPPING (BOTTOM & SIDE PANEL)	SANTOPRENE	STEVE HAAG & ASSOC.
56	LS—PR—003	AS REQD	W'STRIPPING (TOP PANEL)	SANTOPRENE	STEVE HAAG & ASSOC.
57	D5094AFK	AS REQD.	BRUSH W'STRIPPING (1"W X .5"H)	POLYPROPYLENE/NYLON	ULTRAFAB
58	W33388NK0000	AS REQD.	INTERLOCK W'STRIPPING	POLYPROPYLENE	ULTRAFAB
59	R11206	AS REQD.	BULB W'STRIPPING	SANTOPRENE	STEVE HAAG & ASSOC.
63	—	—	INSULBAR	POLYIMIDE	ESINGER
64	R1125	—	GLAZING BEAD	FLEXIBLE PVC	STEVE HAAG & ASSOC.
65	#6 X 3/8"	AS REQD.	TRACK FASTENERS, AT 4" FROM ENDS & 24" O.C. MAX.	STEEL	PH TEKS

TYPICAL WOOD DOUGLAS FIR
SPECIFIC GRAVITY = 0.43 MIN.
GRADE = 2 MIN.
MOISTURE CONTENT = 19% MAX.

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