DOOR DESIGN LOAD CAPACITY – PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1" OVERALL INSUL. GLASS	
		EXT.(+)	INT.(–)
36	82	53.3	75.2
42		53.3	75.2
48		53.3	75.2
54		53.3	75.2
60		53.3	74.0
36	84	53.3	75.2
42		53.3	75.2
48		53.3	75.2
54		53.3	75.0
60		53.3	71.3
36	90	53.3	75.2
42		53.3	75.2
48		53.3	72.9
54		53.3	67.9
60		53.3	64.2
36	96	53.3	75.2
42		53.3	73.3
48		53.3	66.8
54		53.3	62.0
60		53.3	58.3
36	102	53.3	74.7
42		53.3	67.9
48		53.3	61.7
54		53.3	57.0
36	108	53.3	70.6
42		53.3	63.2
48		53.3	57.3
36	114	53.3	66.8
42		53.3	59.1
48		53.3	53.5
36	120	53.3	62.9
42		53.3	55.6
48		50.1	50.1

AVERAGE PANEL WIDTH = DOOR FRAME WIDTH / NUMBER OF PANELS

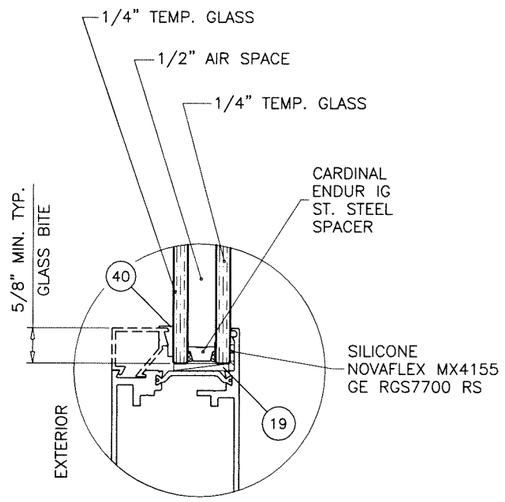
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

DAYLITE OPENINGS WIDTHS:
PANEL WIDTH – 5.875"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT – 6.50"

PANEL HEIGHT = DOOR FRAME HEIGHT – 1.50"

MAX. FRAME AREA OF S.G.D. SHALL NOT EXCEED FRAME AND PANEL AREA OF TESTED UNIT PER FBC REQUIREMENTS.



GLAZING DETAIL
1" OVERALL INSUL. GLASS

THIS SYSTEM IS NOT RATED FOR IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SERIES 7600 (N.I.)
MULTI–SLIDE STACKING ALUMINUM GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ABOVE, AND APPROVED CONFIGURATIONS ON SHEETS 1 THRU 5.

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

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.

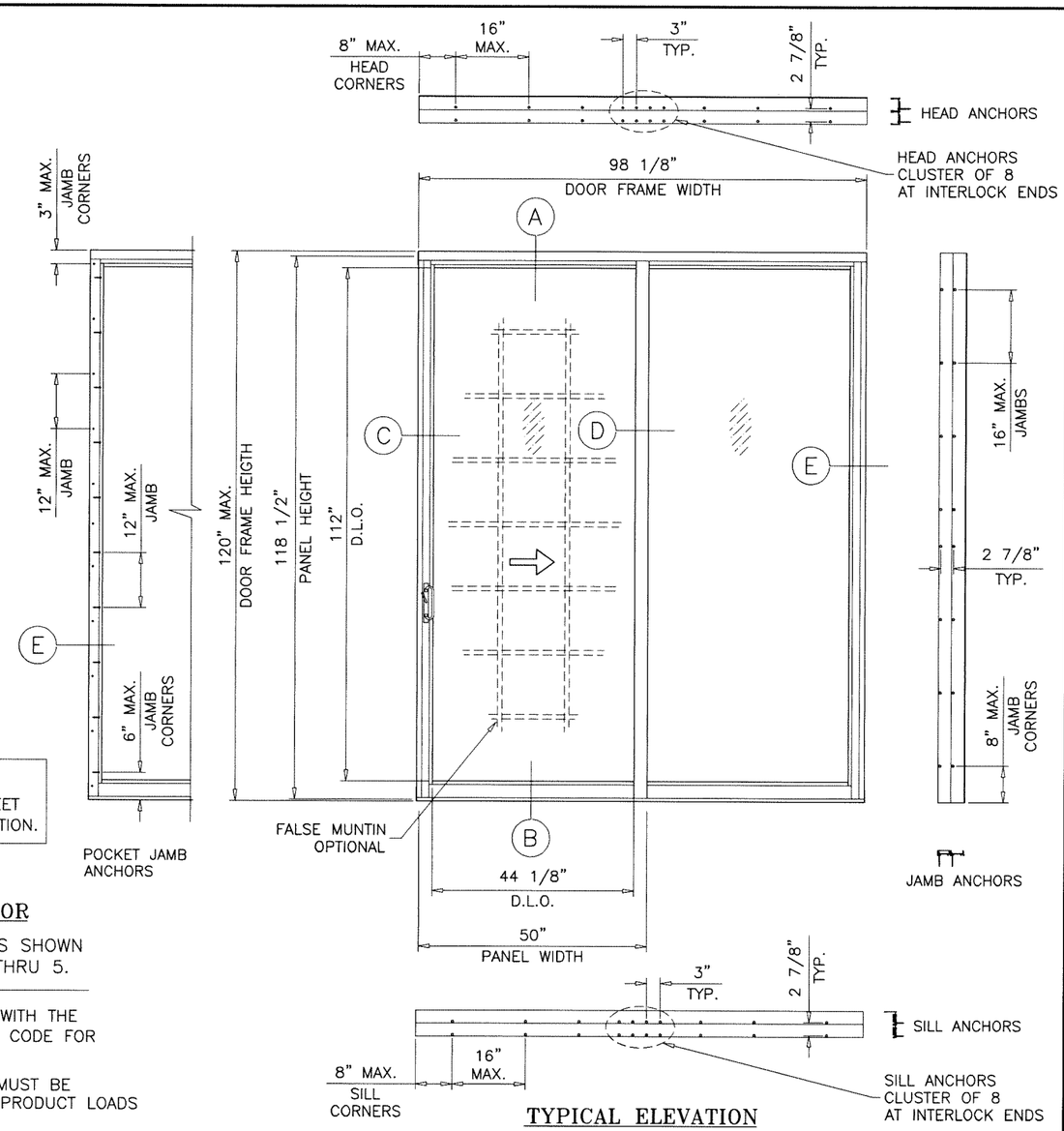
ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 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.



TYPICAL ELEVATION
(2 TRACKS)

APPROVED CONFIGURATIONS
XO (SHOWN)
OX, XX

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.

FL #27971

5/18/2021

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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\18–65F–WWS

Series 7600 Multi–Slide Stacking Door (N.I.)

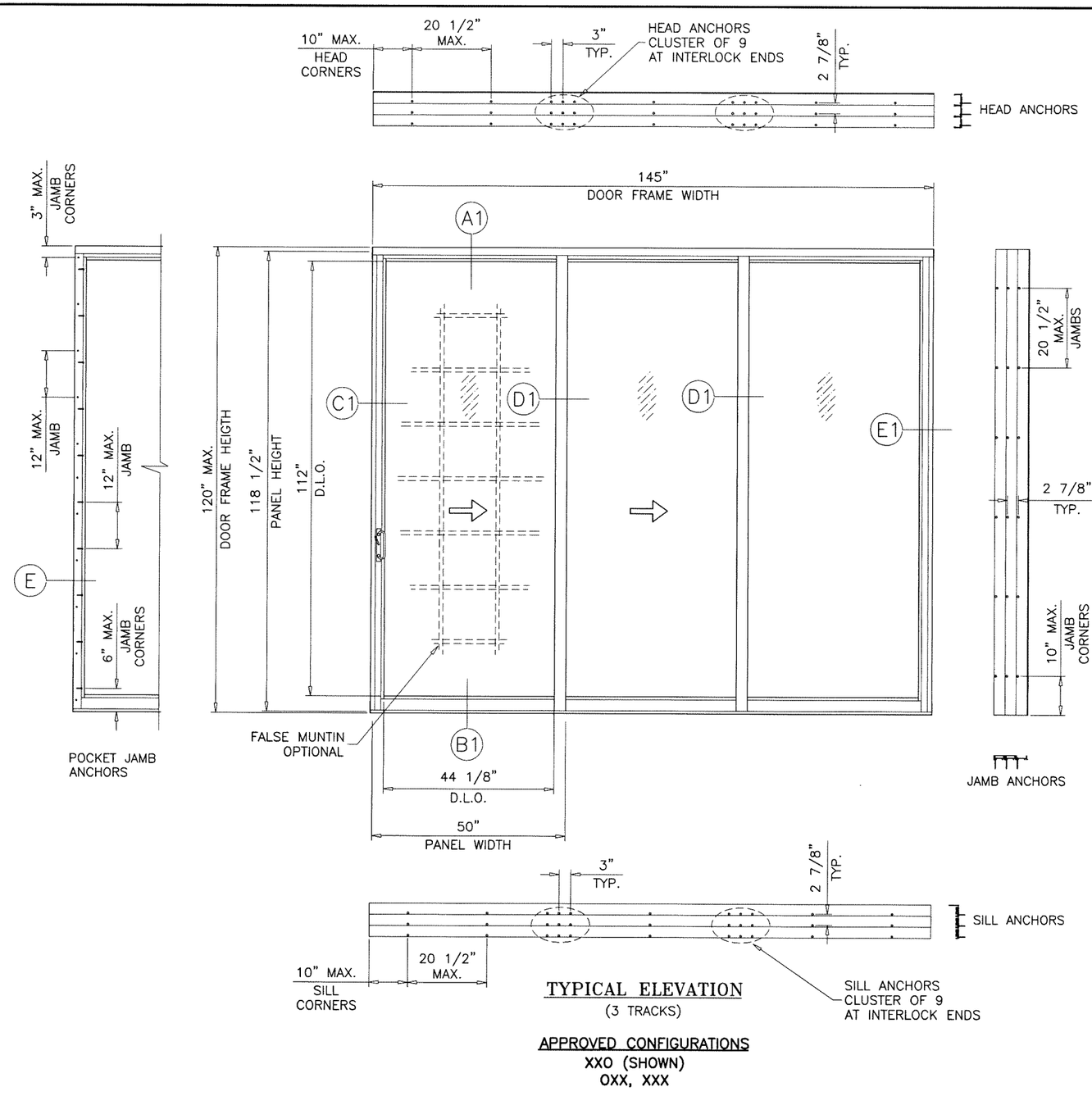
Western Window Systems
2200 E. Riverview Drive
Phoenix, AZ. 85034
Tel: (877) 268–1300 Fax: (876)

revisions:			
no	date	by	description
A	12.15.18		POCKET OPTION ADDED
B	09.28.20		UPDATED TO 2020 FBC

date: 07–03–18
scale: 3/8"=1'–0"
dr. by: TARIQ
chk. by:

drawing no. 18–65F

sheet 1 of 18



TYPICAL ELEVATION
(3 TRACKS)

APPROVED CONFIGURATIONS
XXO (SHOWN)
OXX, XXX

5/18/2021

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revisions:

no	date	by	description

date: 07-03-18
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. 18-65F

sheet 2 of 18

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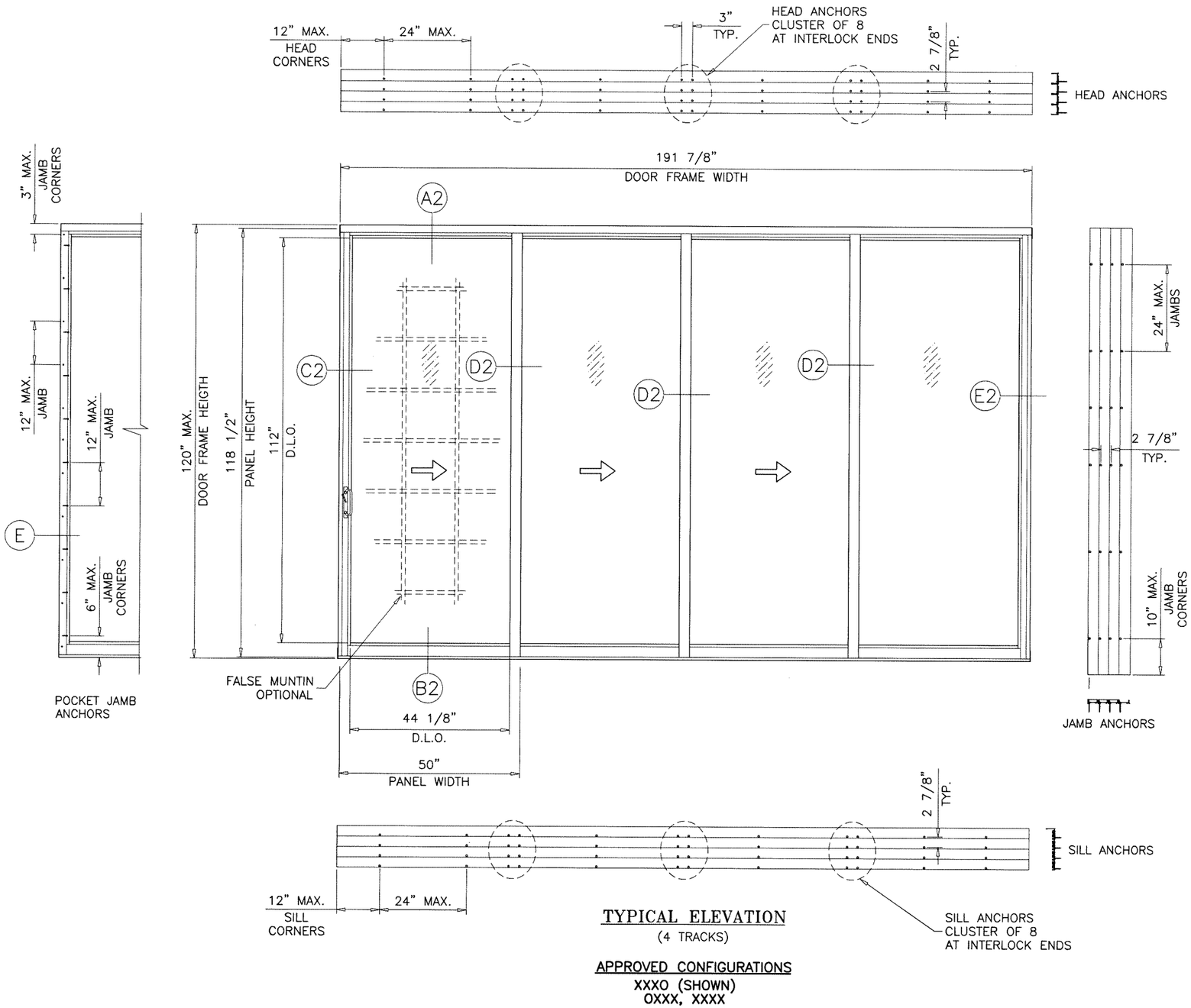

TYPICAL ELEVATION
(4 TRACKS)

APPROVED CONFIGURATIONS
XXXO (SHOWN)
OXXX, XXXX

5/18/2021

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revisions:

no	date	by	description

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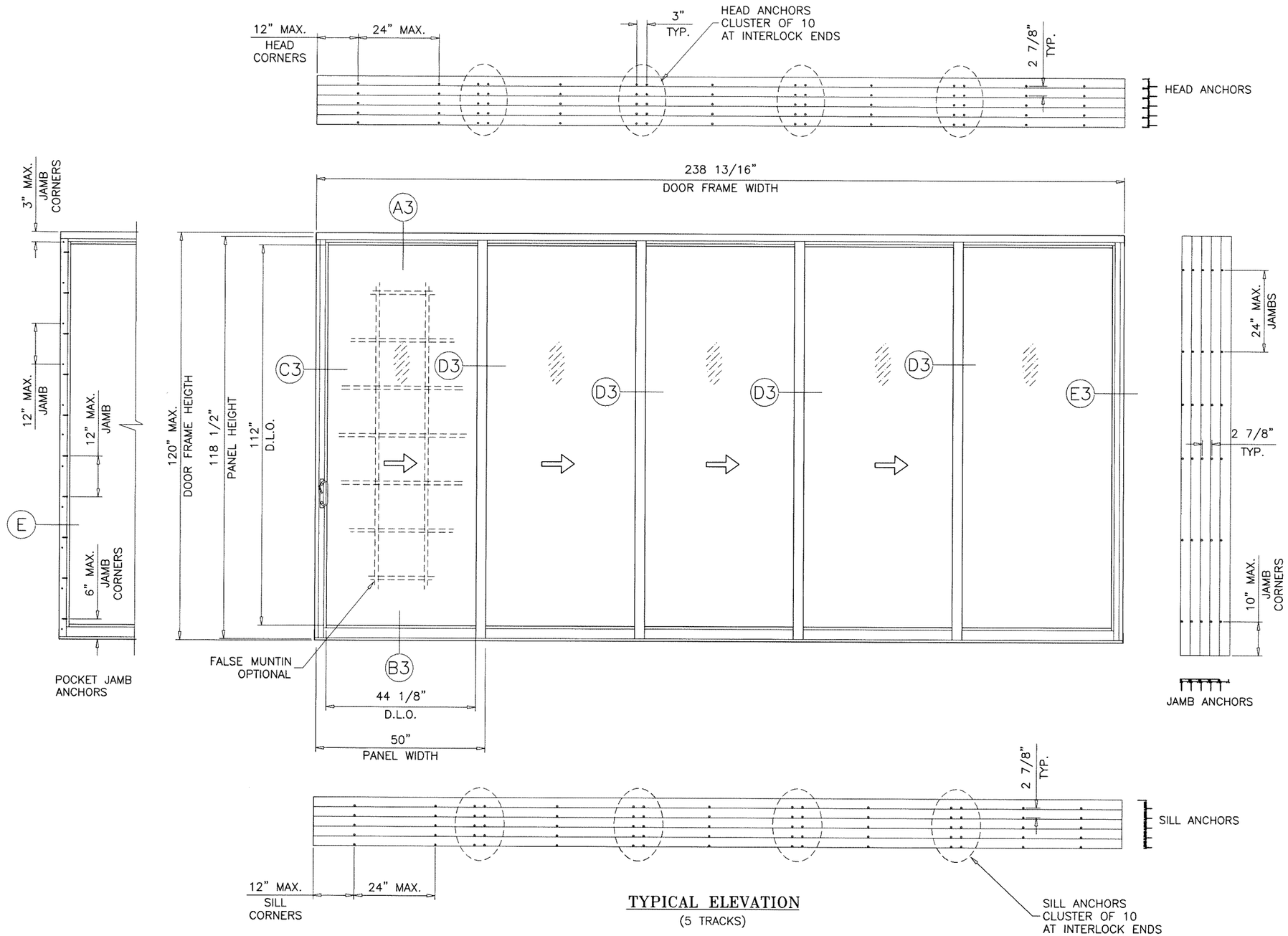
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. 18-65F

sheet 3 of 18



TYPICAL ELEVATION

(5 TRACKS)

APPROVED CONFIGURATIONS

XXXXO (SHOWN)
OXXXX, XXXXX

5/18/2021

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revisions:

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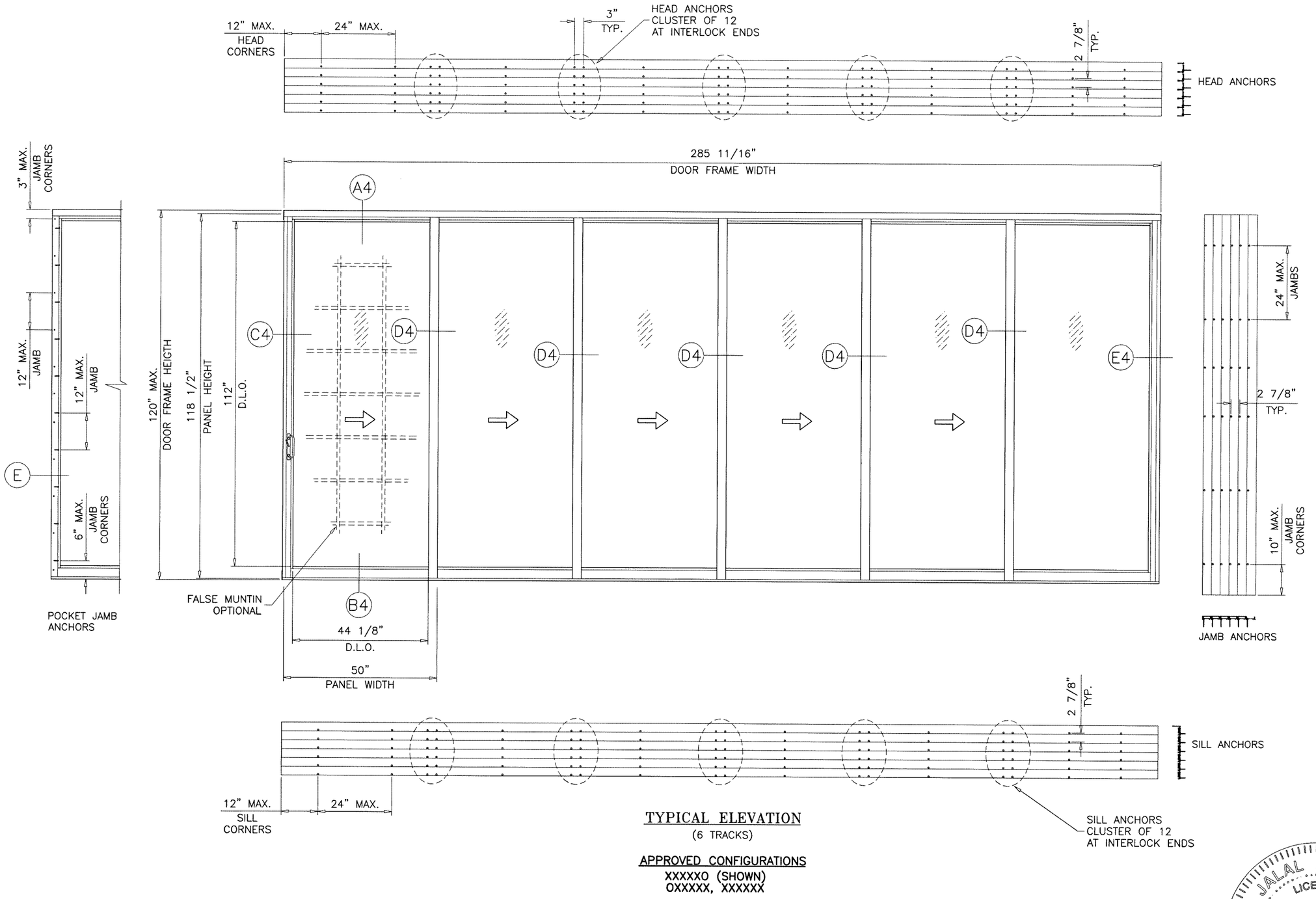
chk. by:

drawing no. 18-65F

sheet 4 of 18



TYPICAL ELEVATION
(6 TRACKS)

APPROVED CONFIGURATIONS
XXXXXO (SHOWN)
OXXXXX, XXXXXX

5/18/2021
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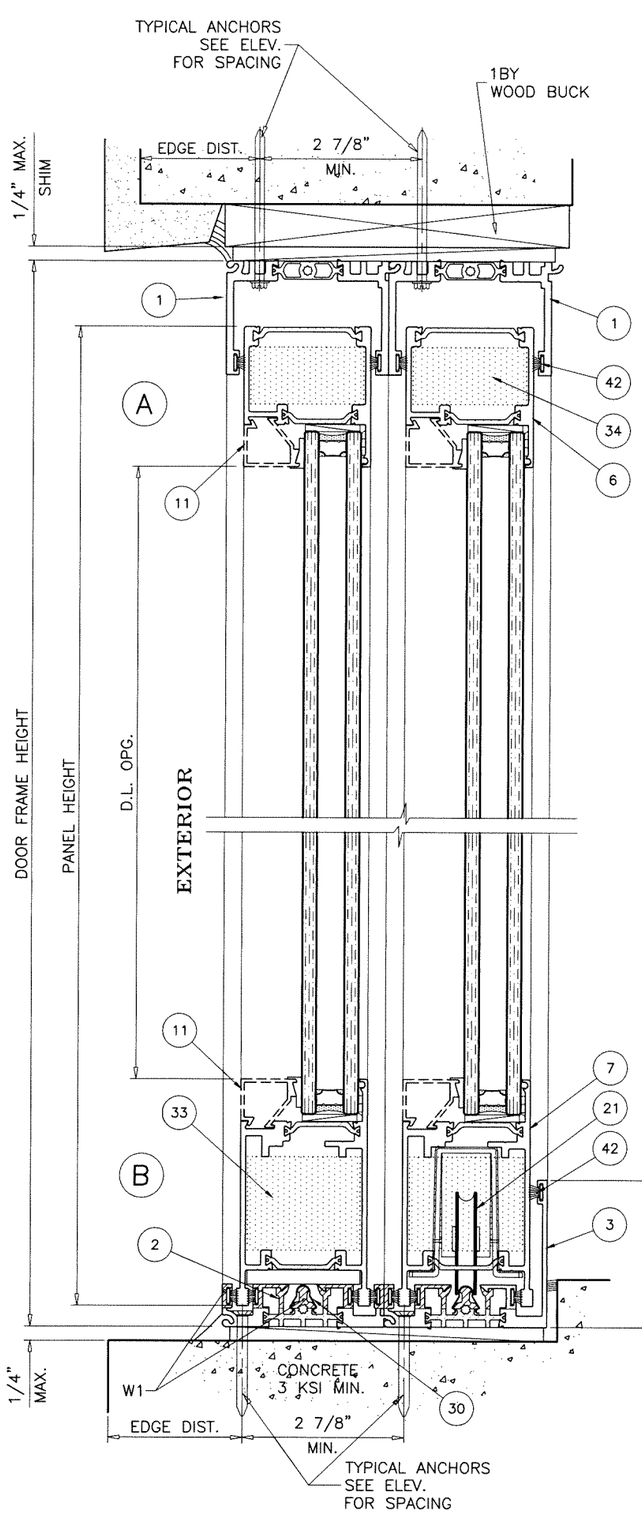
revisions:			
no	date	by	description

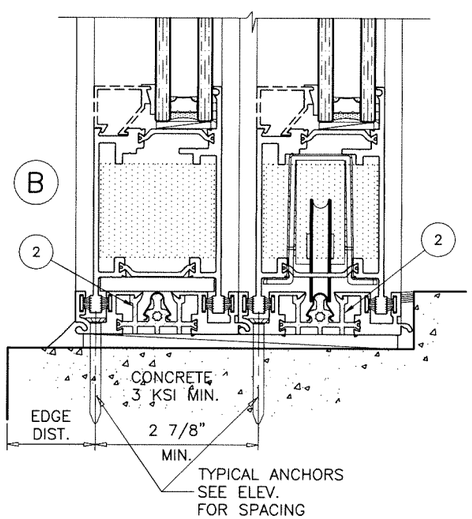
date: 07-03-18 | scale: 3/8"=1'-0" | dr. by: TARIQ | chk. by:

drawing no. 18-65F



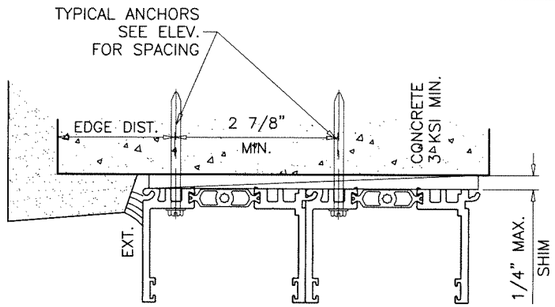
2-5/8" HIGH SILL

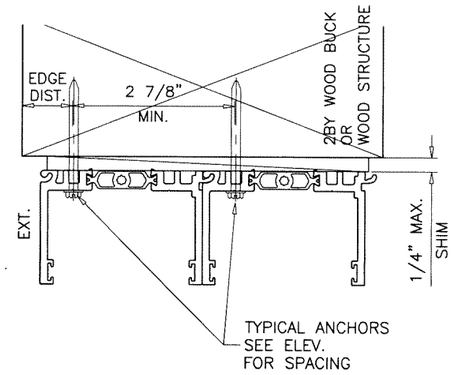
APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED

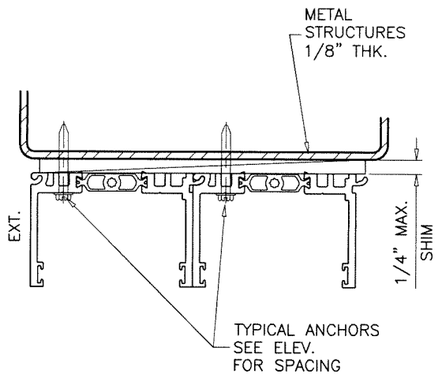


FLUSH SILL

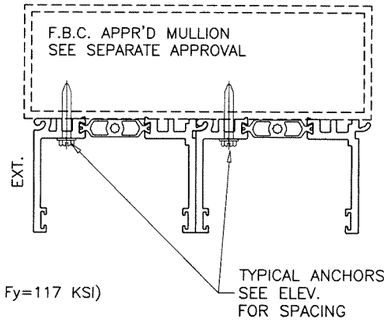
NOT APPROVED FOR WATER INFILTRATION RESISTANCE







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



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

3/16" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=117 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" 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)

3/16" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=117 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#10 TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
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 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

WEEPHOLES:
W1 = 3/8" X 3/8" WEEP HOLES AT 12" FROM EACH END.

2 TRACK FRAMES

5/18/2021

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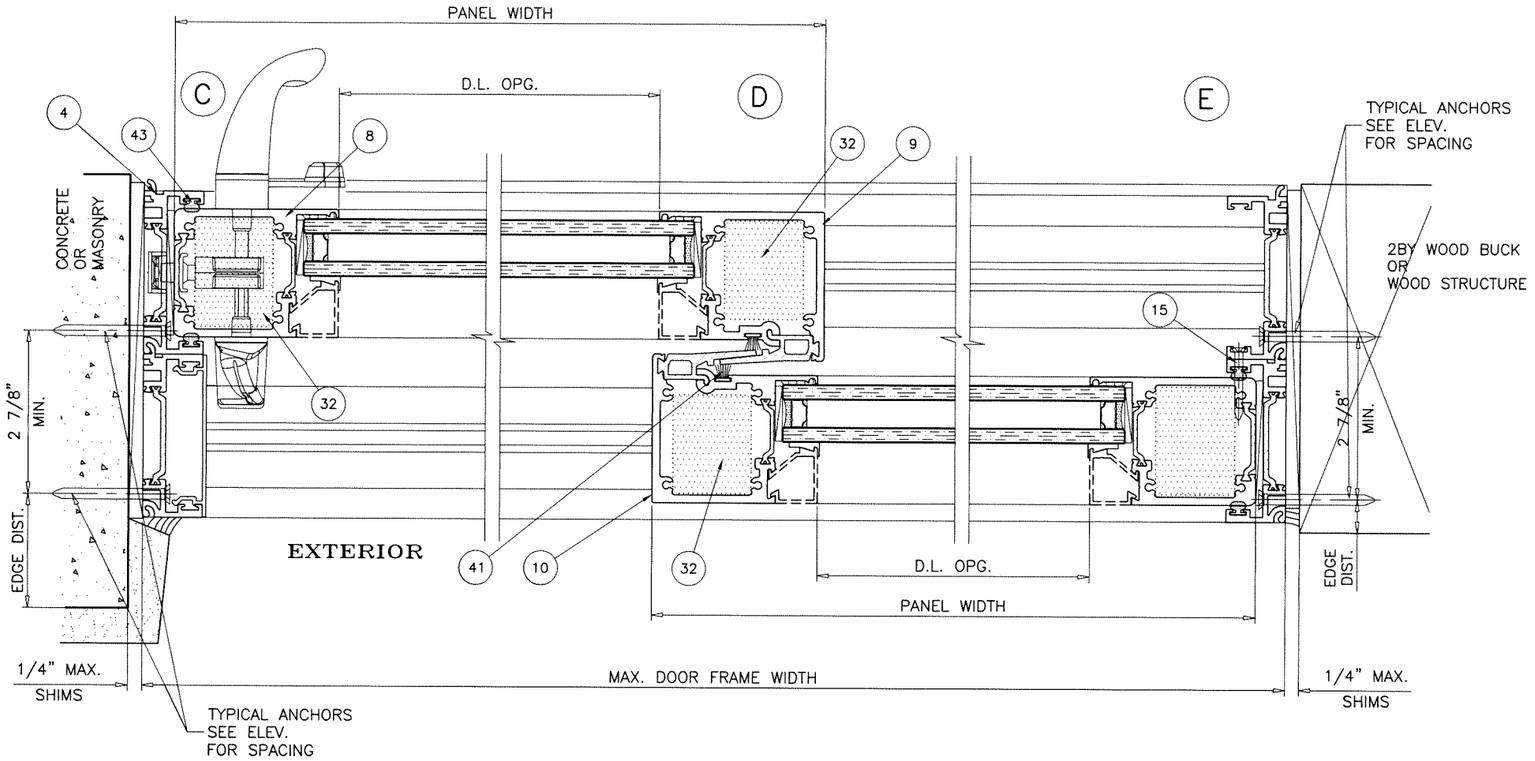
revisions:

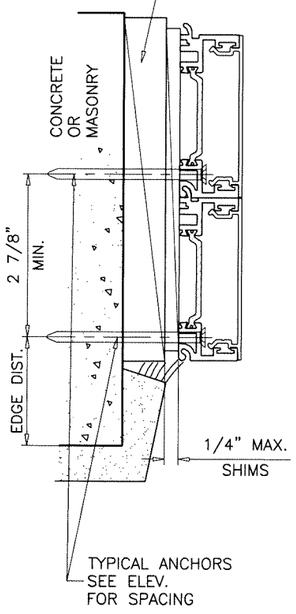
no	date	by	description

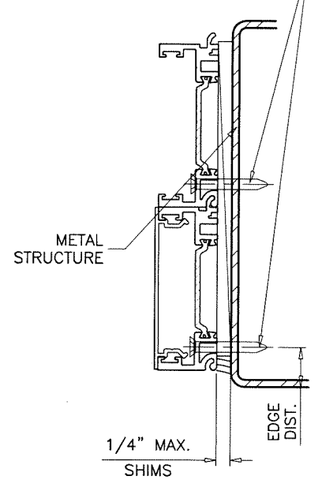
date: 07-03-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no. 18-65F

sheet 6 of 18







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2 TRACK FRAMES

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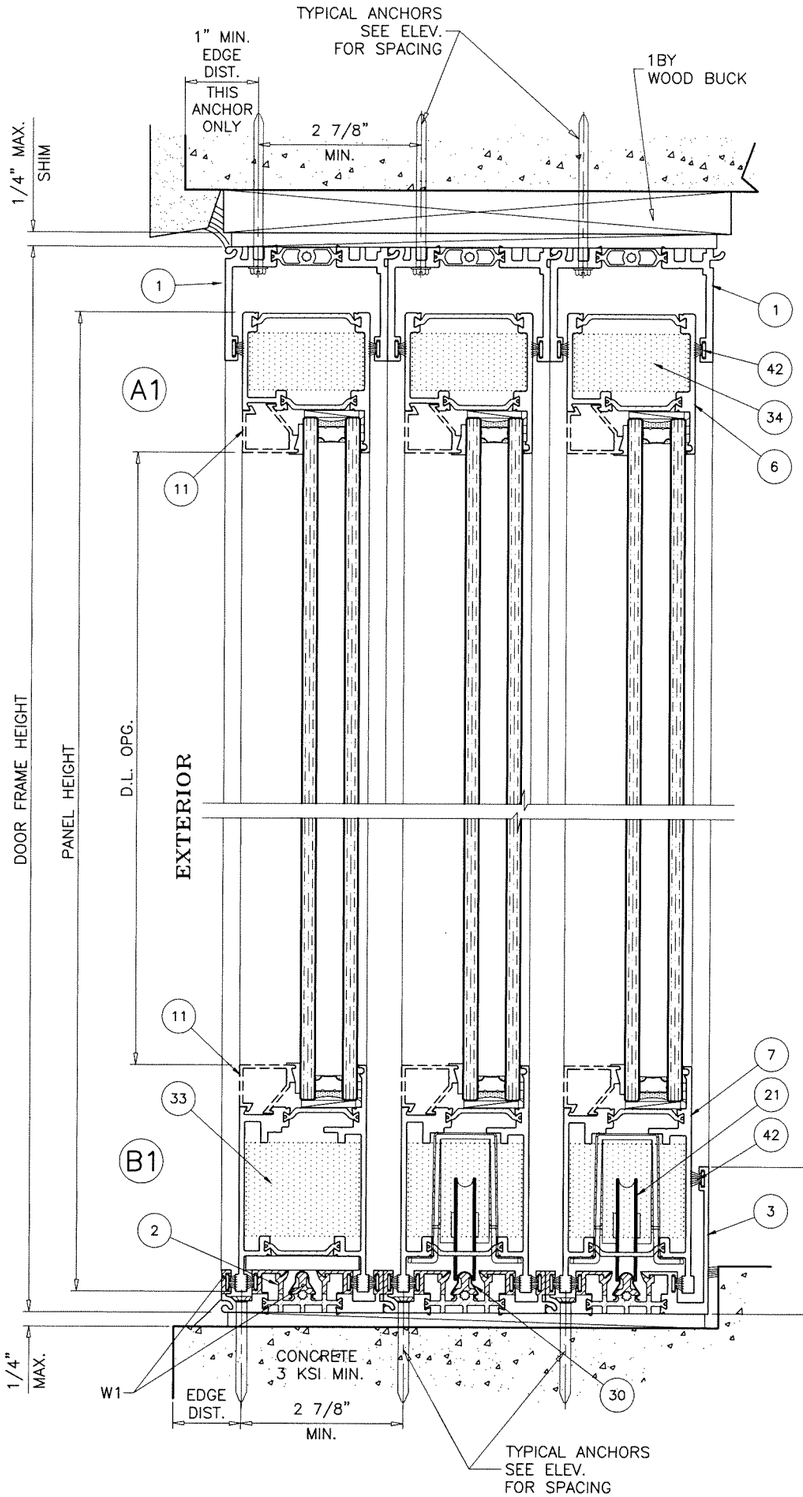
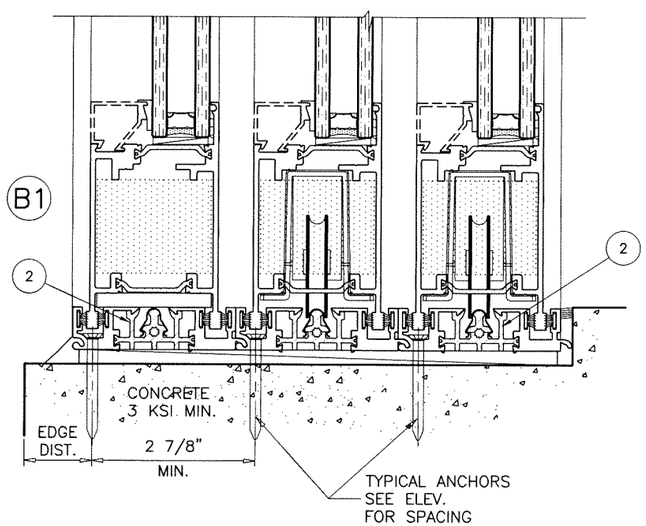
drawing no. 18-65F

sheet 7 of 18



2-5/8" HIGH SILL

APPROVED FOR INSTALLATIONS
WHERE WATER INFILTRATION RESISTANCE IS REQUIRED



FLUSH SILL

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

3 TRACK FRAMES

5/18/2021

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no	date	by description

date: 07-03-18
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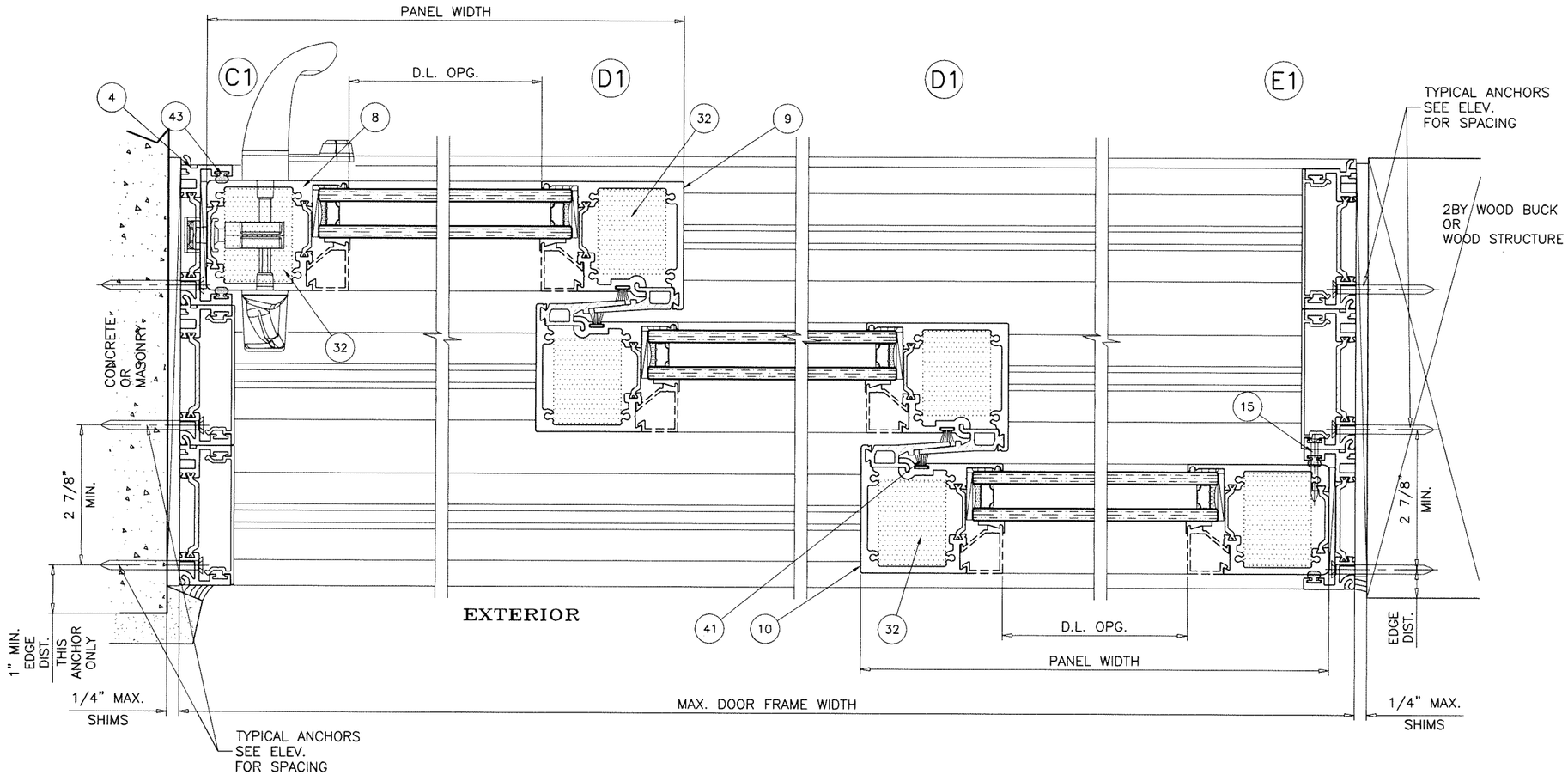
drawing no.
18-65F

sheet 8 of 18



5/18/2021

3 TRACK FRAMES

FL #27971

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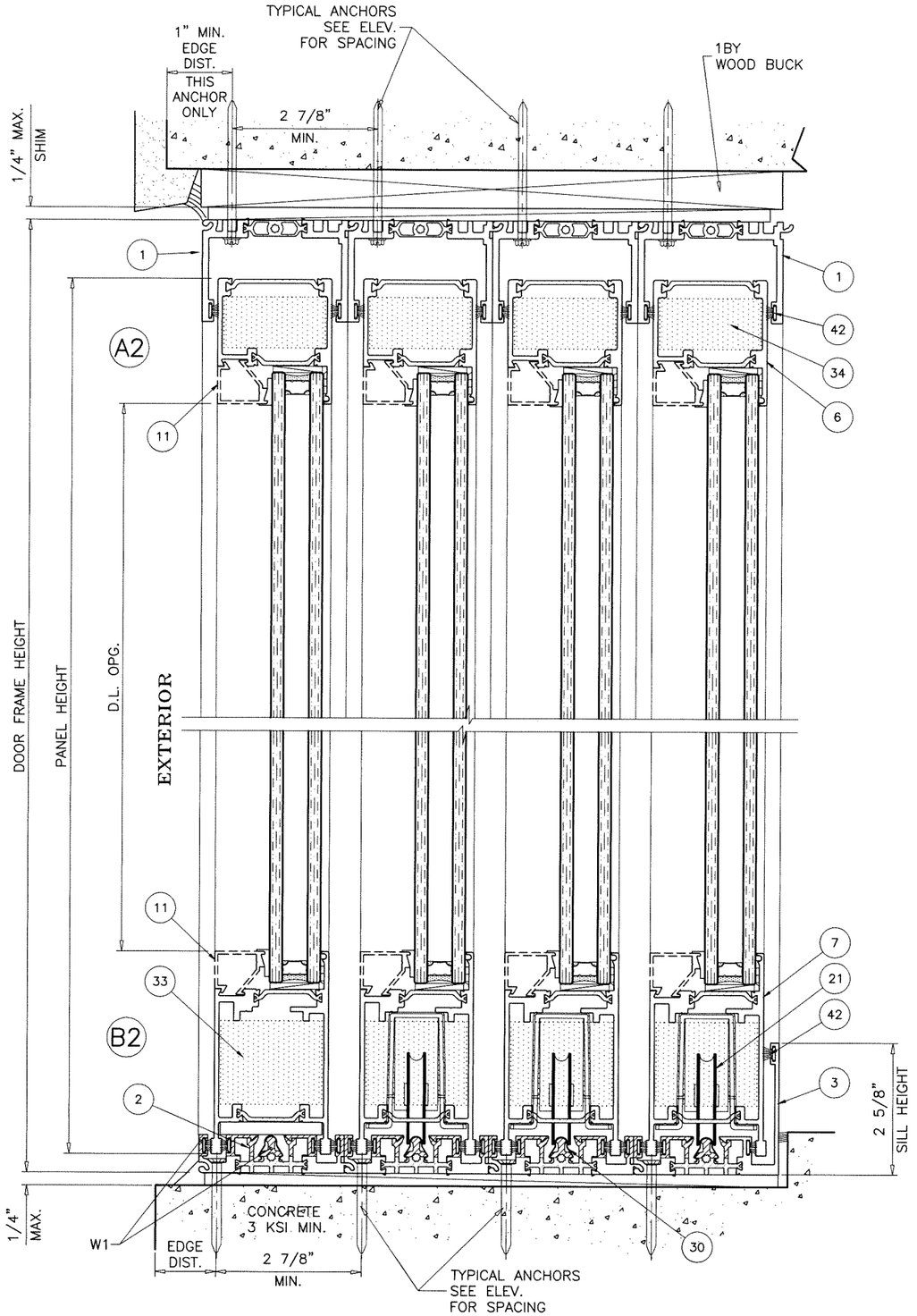
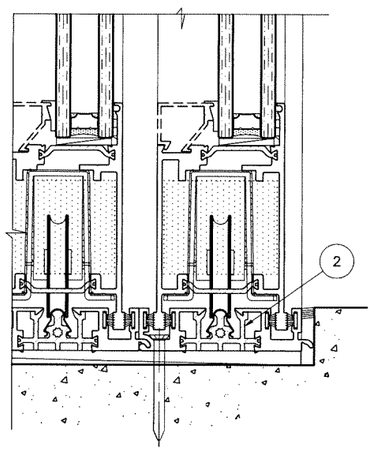
18-65F

sheet 9 of 18



2-5/8" HIGH SILL

APPROVED FOR INSTALLATIONS
WHERE WATER INFILTRATION RESISTANCE IS REQUIRED



FLUSH SILL

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

4 TRACK FRAMES

5/18/2021

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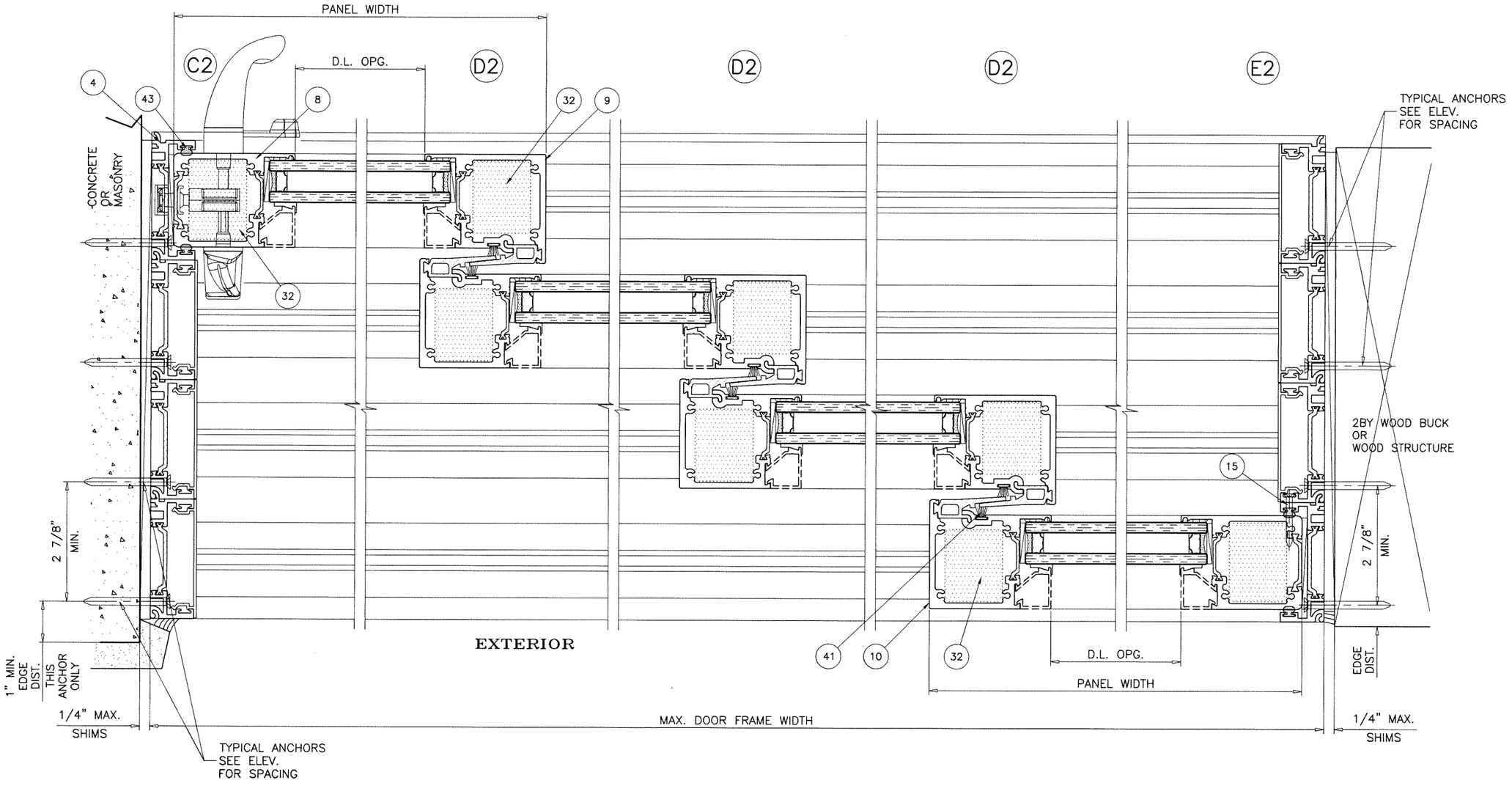
drawing no. 18-65F

sheet 10 of 18



EXTERIOR

5/18/2021

4 TRACK FRAMES

FL #27971

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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\18-65F-WWS

Series 7600 Multi-Slide Stacking Door (N.I.)

Western Window Systems
2200 E. Riverview Drive
Phoenix, AZ. 85034
Tel: (877) 268-1300 Fax: (876)

revisions:

no	date	by	description

date: 07-03-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

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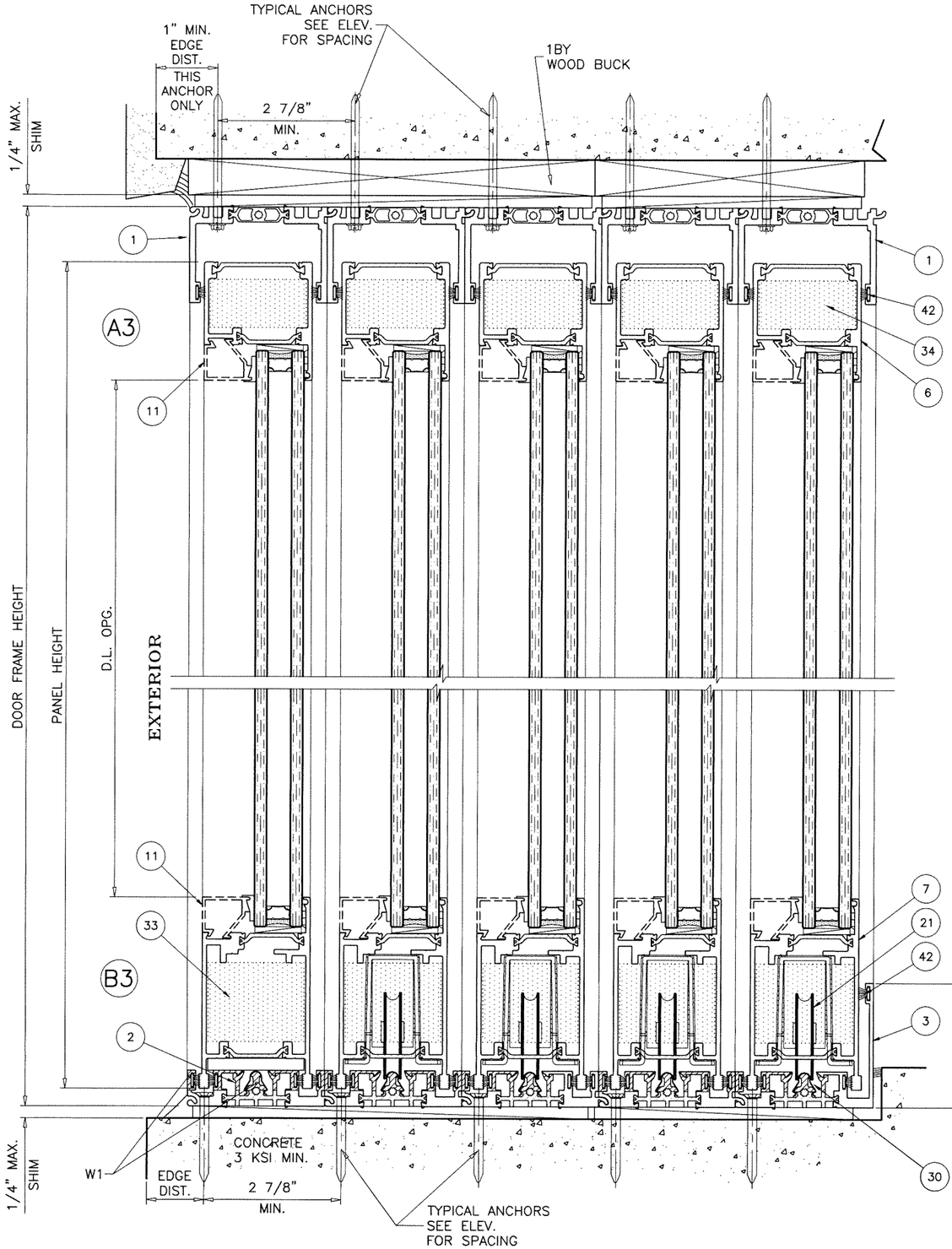
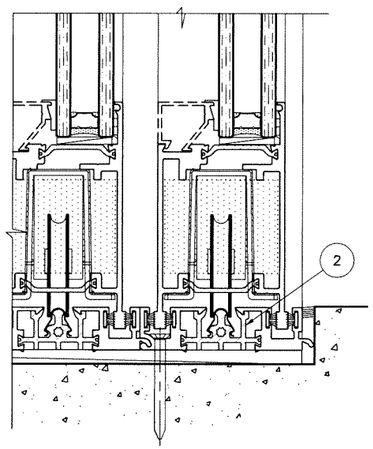


2-5/8" HIGH SILL

APPROVED FOR INSTALLATIONS
WHERE WATER INFILTRATION RESISTANCE IS REQUIRED



FLUSH SILL

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

5 TRACK FRAMES

5/18/2021

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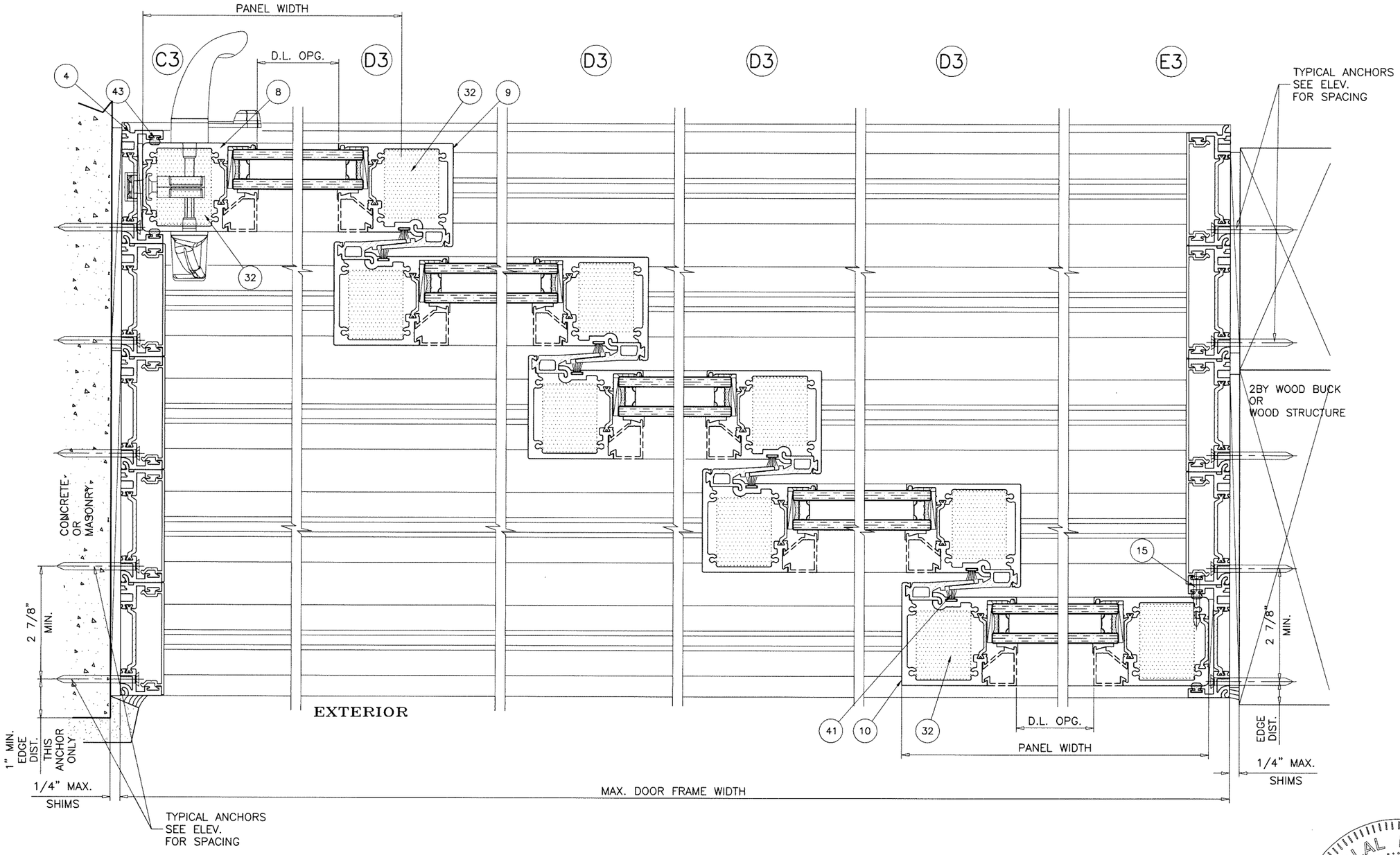
sheet 12 of 18



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5 TRACK FRAMES

FL #27971

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LICENSE
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

afc

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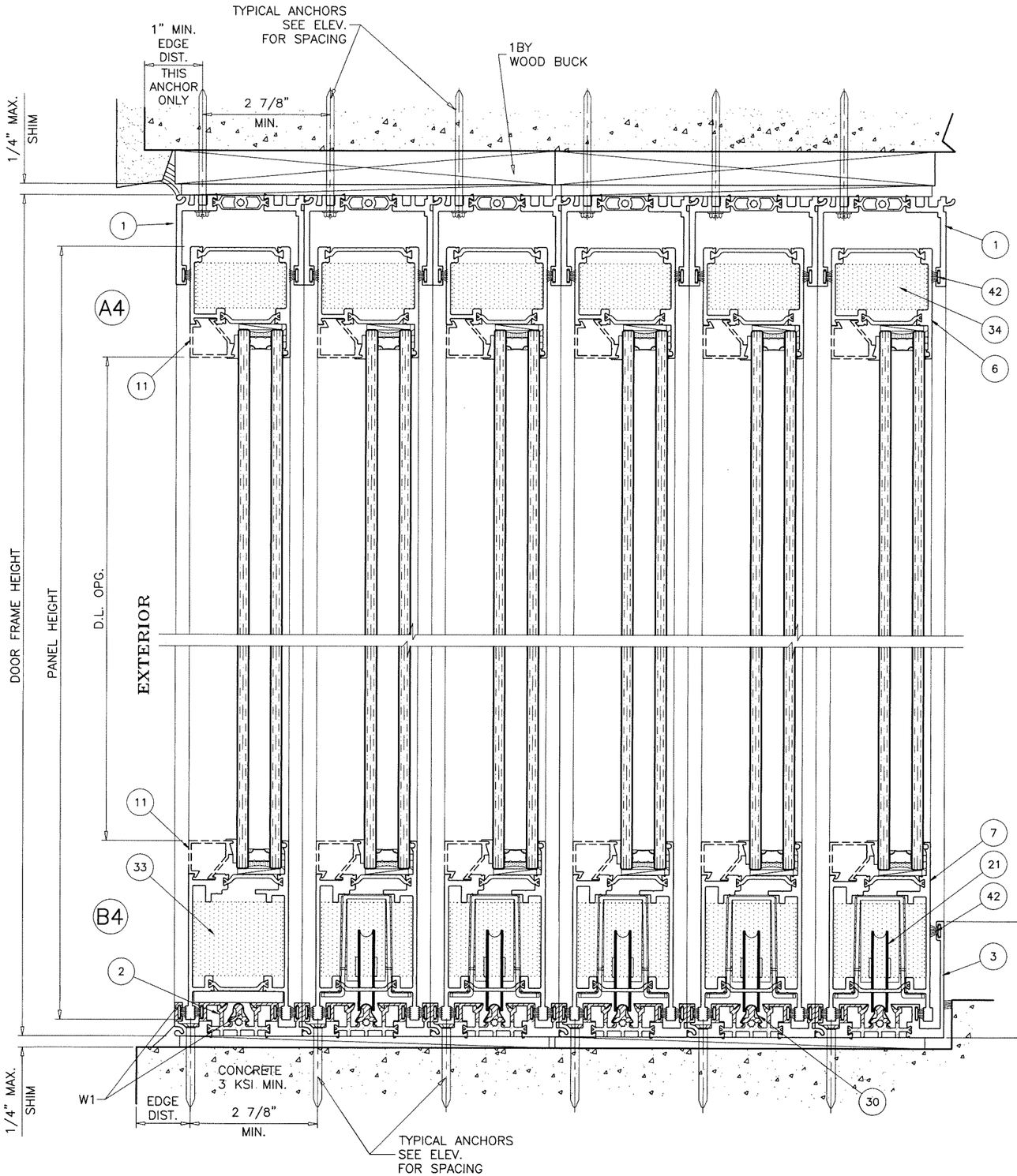

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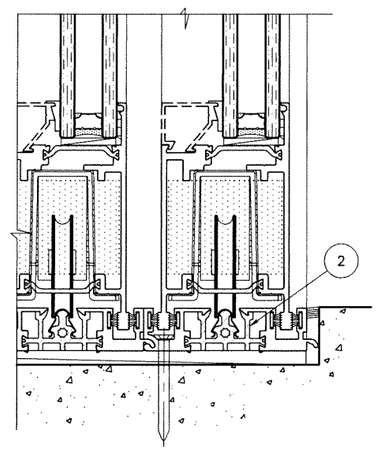

FLUSH SILL

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

6 TRACK FRAMES

5/18/2021

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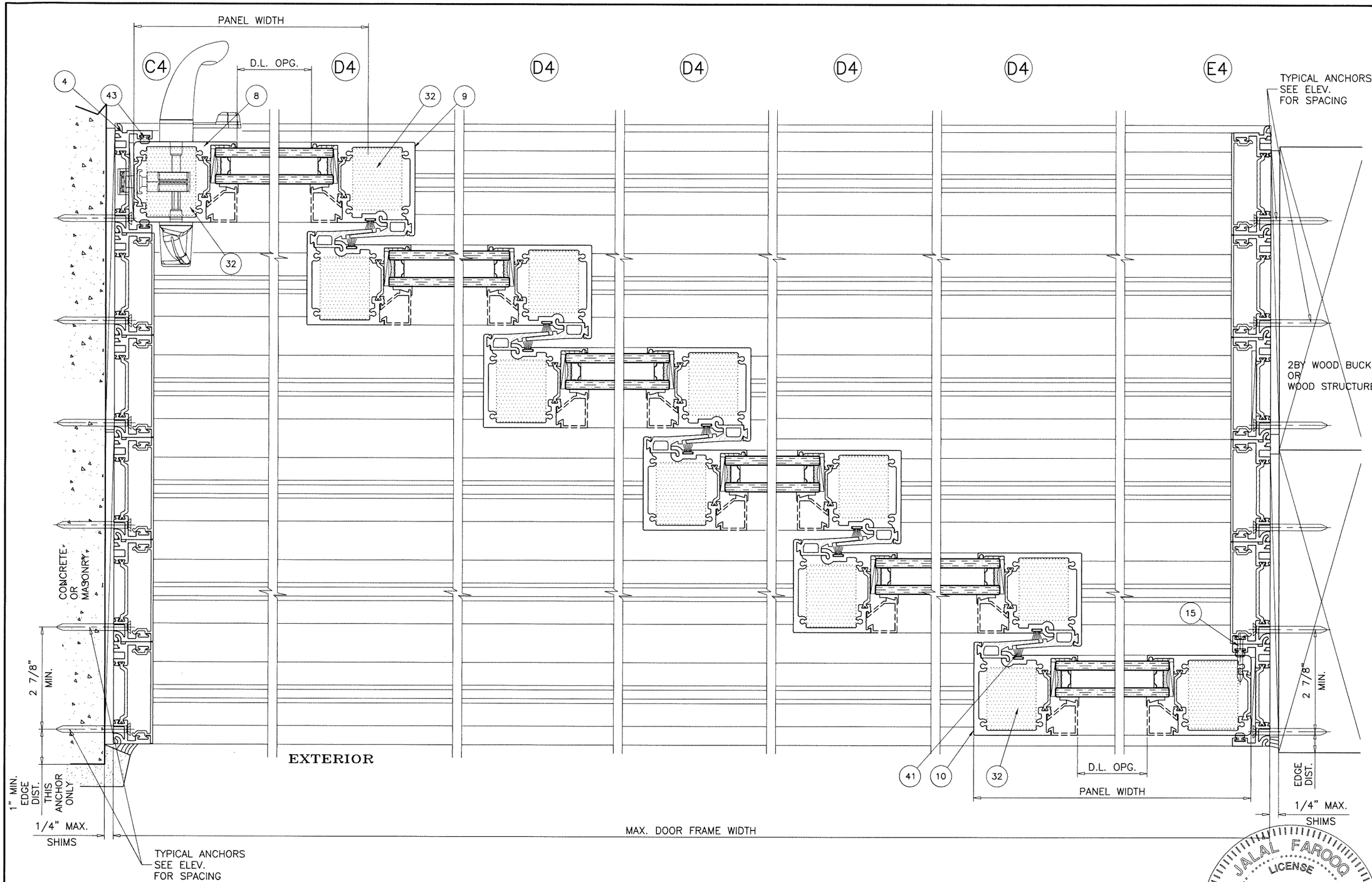

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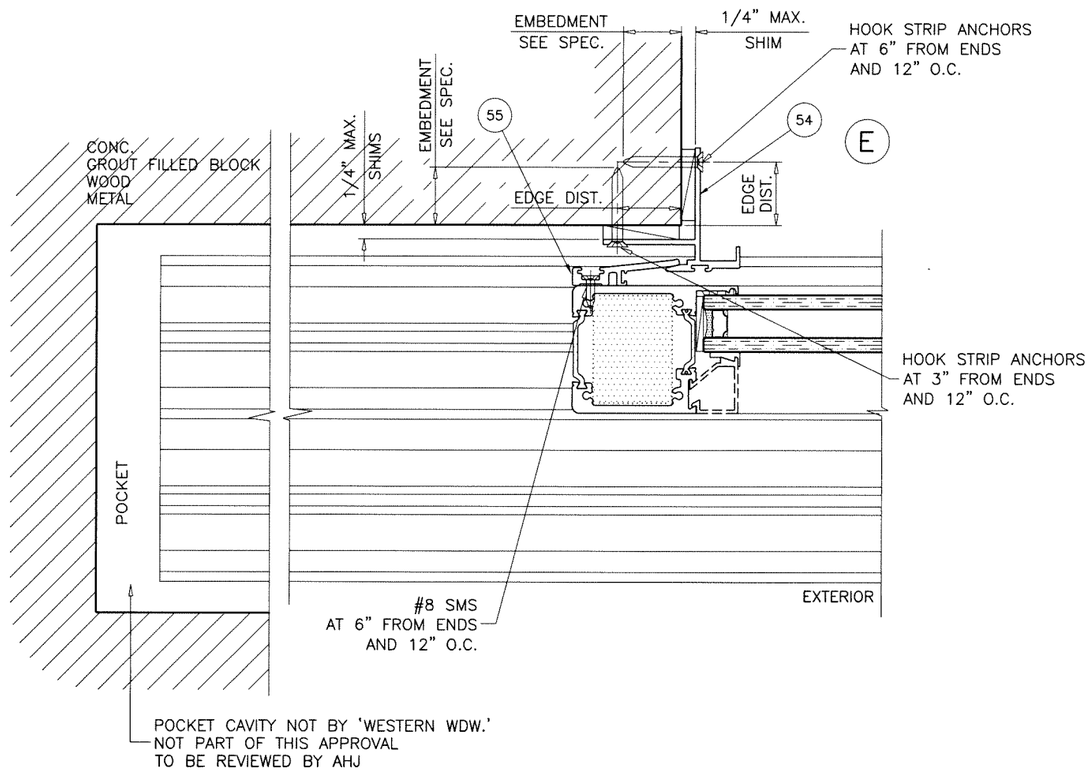

POCKETED JAMB OPTION

2 TRACK DOOR OPTION SHOWN
3, 4, 5 AND 6 TRACK DOORS SIMILAR

FOR DOORS WITH POCKETS LIMIT MAX. DESIGN LOADS TO ±50.1 PSF

HOOK STRIP ANCHORS:

#12 SMS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1–1/2" MIN. PENETRATION INTO WOOD

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 FILLED BLOCKS

DIRECTLY INTO CONC. OR FILLED BLOCKS
1–1/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS

#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 = 1–1/8" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

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sheet 15.1 of 18

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	EX7604	AS REQD.	FRAME HEAD	6063–T6	–
2	EX7602	AS REQD.	FLUSH SILL	6063–T6	–
3	EX7603	1	INTERIOR FRAME SILL	6063–T6	–
4	EX7605	AS REQD.	FRAME JAMB	6063–T6	–
5	E7609	AS REQD.	JAMB COVER	6063–T6	–
6	EX7610	AS REQD.	TOP RAIL	6063–T6	–
7	EX7611	AS REQD.	BOTTOM RAIL	6063–T6	–
8	EX7606	AS REQD.	JAMB STILE	6063–T6	–
9	EX7601	AS REQD.	INTERIOR INTERLOCK	6063–T6	–
10	EX7600	AS REQD.	EXTERIOR INTERLOCK	6063–T6	–
11	E7607	AS REQD.	GLASS STOP (DECORATIVE)	6063–T6	OPTIONAL
12	E3624B	AS REQD.	END PALTE	6063–T6	–
13	F5071SSS	AS REQD.	ROLLER TO CARRIAGE FASTENERS	ST. STEEL	1/4–20 X 3/4" FH SMS
14	F5088SSS	AS REQD.	END PLATE TO HEAD/SILL FASTENERS	ST. STEEL	#8 X 3/4" PH SMS
15	F5011SSS	AS REQD.	FIXED PANEL TO FRAME FASTENERS	ST. STEEL	#8 X 1–1/4" SMS
16	F5104SSS	AS REQD.	JAMB TO END PLATE FASTENERS	ST. STEEL	#12 X 1" PH SMS
17	F7600SS	AS REQD.	ROLLER CARRIAGE TO RAIL, RAIL EXTENSION FASTENERS	ST. STEEL	#8–32 X 5/8" FH SELF DRILLING
18	H102.5G	AS REQD.	SILL END PLATE TAPE (.75 X .47 ML)	FOAM	BRON TAPES
19	H2212	AS REQD.	GLAZING SHIM (.125 X 1.125 X 2" LONG)	EPDM	AMESBURY
20	H2840	AS REQD.	FOAM HEAD PLUG	NEOPRENE	CENTRAL PLASTICS
21	H7612	AS REQD.	QUAD ROLLERS (1.81")	STEEL	ANTHONY INNOVATIONS
22	H444.5SSS	AS REQD.	2–POINT LOCK	–	TRUTH HARDWARE
23	H7646	AS REQD.	LOCK BACKING PLATE	–	TRUTH HARDWARE
24	F5006SSS	AS REQD.	LOCK FASTENERS	ST. STEEL	#10–32 X 1/2" FH MS
25	H446.1	AS REQD.	PREMIUM HANDLE	–	TRUTH HARDWARE
26	H448	AS REQD.	PLUG BUMPER	RUBBER	ACCURATE ELASTOMER
27	H7600	AS REQD.	SHEAR BLOCK (2.04 X 1.0)	–	ROYAL PLASTICS
28	H7601	AS REQD.	STILE CLAMP BLOCK	–	ROYAL PLASTICS
29	H7602	AS REQD.	QUAD ROLLER CARRIAGE CRADLE	PLASTIC	ROYAL PLASTICS
30	H7603	AS REQD.	TRACK CAP	ST. STEEL	NORTH STAR
31	H7604	AS REQD.	STD. RAIL EXTENSION	–	PARAMOUNT
32	H7605	AS REQD.	STILE FOAM	–	CENTRAL PLASTICS
33	H7606	AS REQD.	BOTTOM RAIL FOAM	–	CENTRAL PLASTICS
34	H7607	AS REQD.	TOP RAIL FOAM	–	CENTRAL PLASTICS
38	H7614	AS REQD.	PANEL END SWEEP	–	ROYAL PLASTICS
39	H7619	AS REQD.	STRIKE ASSEMBLY	–	–
40	W12512	AS REQD.	GLASS STOP WEDGE GASKET	EPDM	ESP
41	W1322	AS REQD.	INTERLOCK PILE W'STRIPPING (.270 X .380)	–	AMESBURY
42	W1330	AS REQD.	HEAD/SILL FIN PILE W'STRIPPING (.270 X .230)	–	AMESBURY
43	W1326	AS REQD.	JAMB Q–LON W'STRIPPING (.270 X .225)	–	AMESBURY
44	W7600	AS REQD.	3mm CHORD STOCK	EPDM	AMESBURY
45	H7631	AS REQD.	ADHESIVE BACKED WEDGE	FOAM	CENTRAL PLASTICS
46	H8006	AS REQD.	DRILL ROD 9/64"	–	.
47	W7560	AS REQD.	PILE BLACK DUST PLUG	–	AMESBURY
48	H447	AS REQD.	HOLE PLUG	–	CAPLUGS
49	H7639	AS REQD.	FOAM JAMB TO END PLATE	–	CENTRAL PLASTICS
50	H7600	AS REQD.	SHEAR BLOCK (2.04 X1.0)	–	ROYAL PLASTICS
51	H7608	AS REQD.	5/16" DIA. THREADED ROD	–	ROYAL PLASTICS
52	H7609	AS REQD.	5/16–24 HEX NUT	–	ROYAL PLASTICS
53	H7610	AS REQD.	5/16" FLAT WASHER	ST. STEEL	ROYAL PLASTICS
54	E677	AS REQD.	HOOK STRIP	6063–T6	–
55	E7623	AS REQD.	STILE INTERLOCK	6063–T6	–

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE.

LOCKS:

SURFACE MOUNT METALLIC THREE PLY DUAL HOOK LOCK
AT 39" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(4) #10 X 1/2" MACHINE SCREWS

SURFACE MOUNT METALLIC KEEPER FACING LOCK
FASTENED WITH
(3) #10 X 1/2" MACHINE SCREWS

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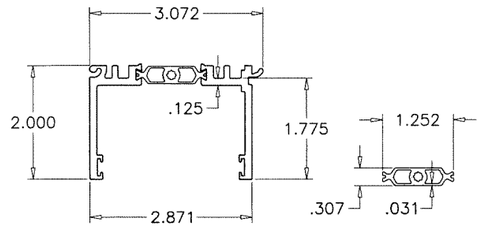
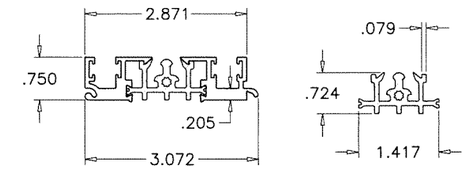
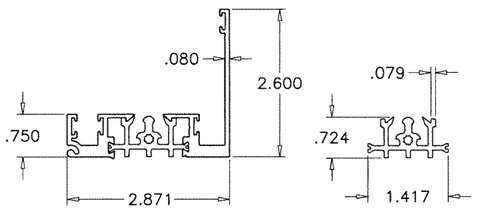


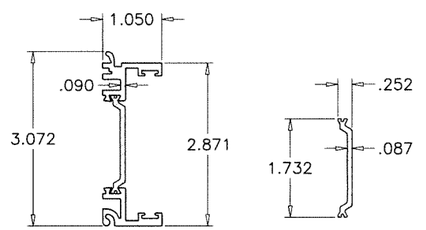
1 FRAME HEAD — 3760 INSULBAR



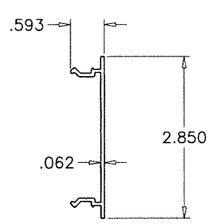
2 FLUSH SILL — 3711 INSULBAR



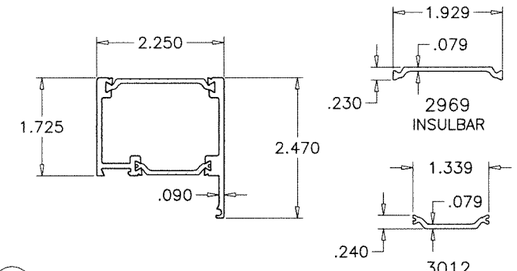
3 INTERIOR FRAME SILL — 3711 INSULBAR



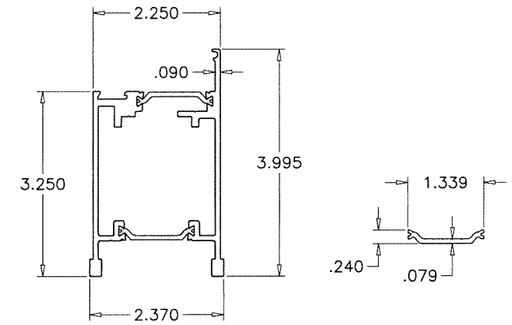
4 FRAME JAMB — 2275 INSULBAR



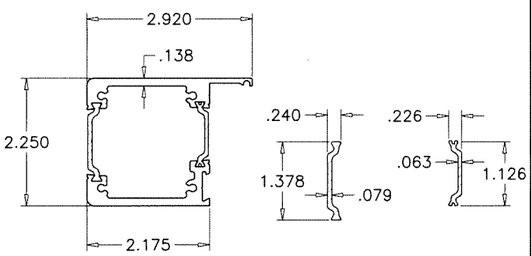
5 JAMB COVER



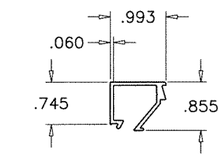
6 TOP RAIL



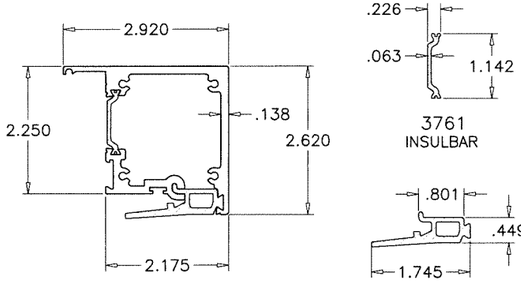
7 BOTTOM RAIL



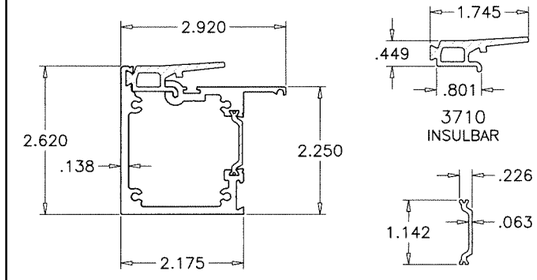
8 JAMB STILE



11 GLASS STOP



9 INTERIOR INTERLOCK



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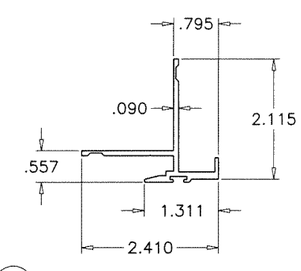
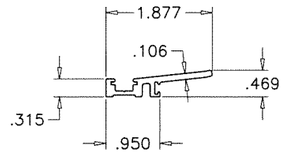


54 HOOK STRIP



55 STILE INTERLOCK

INSULBARS

MATERIAL = POLYAMIDE
TENSILE STRENGTH = 13031 PSI
RATE OF BURN = .752 IN./MIN.
SELF IGNITION TEMP. = 793° F
FLASH IGNITION TEMP. – 781°C
SMOKE DENSITY = 1.63

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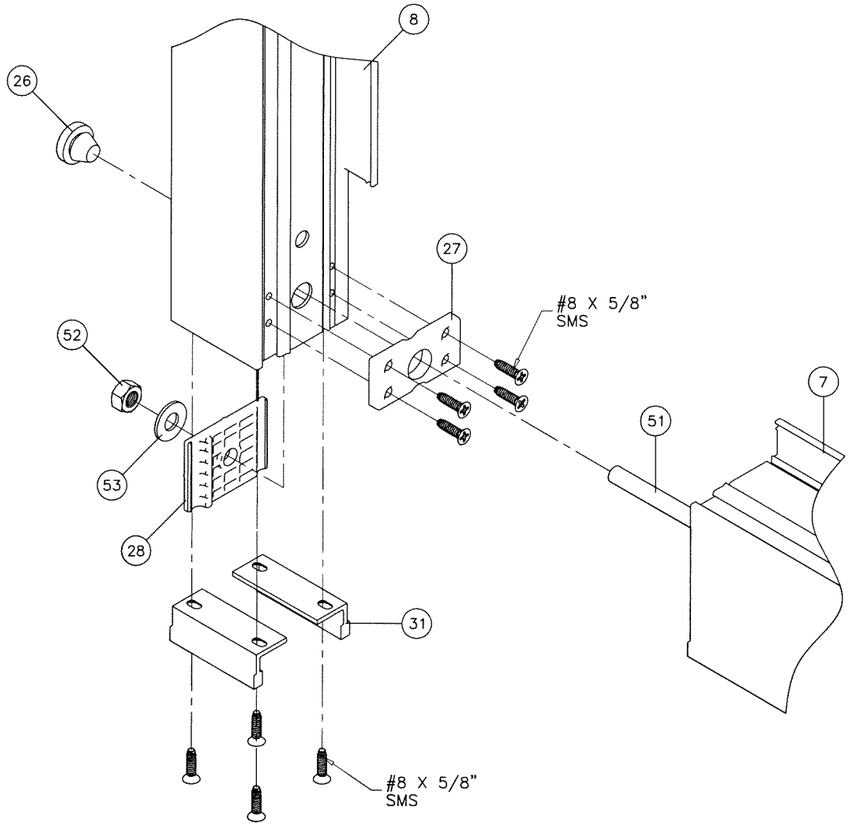
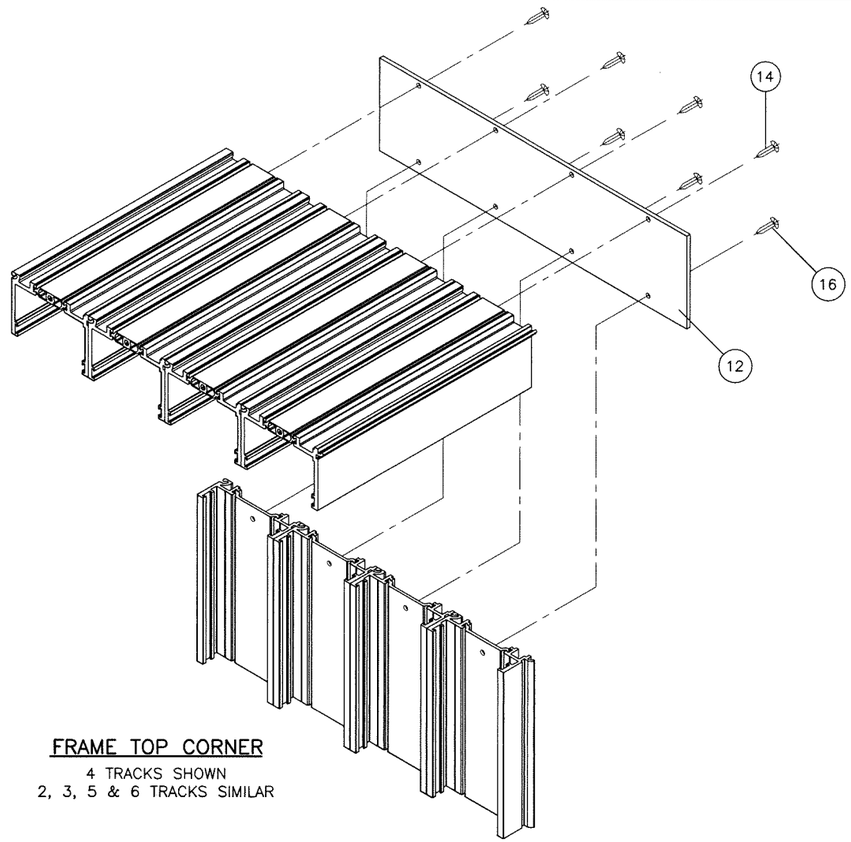
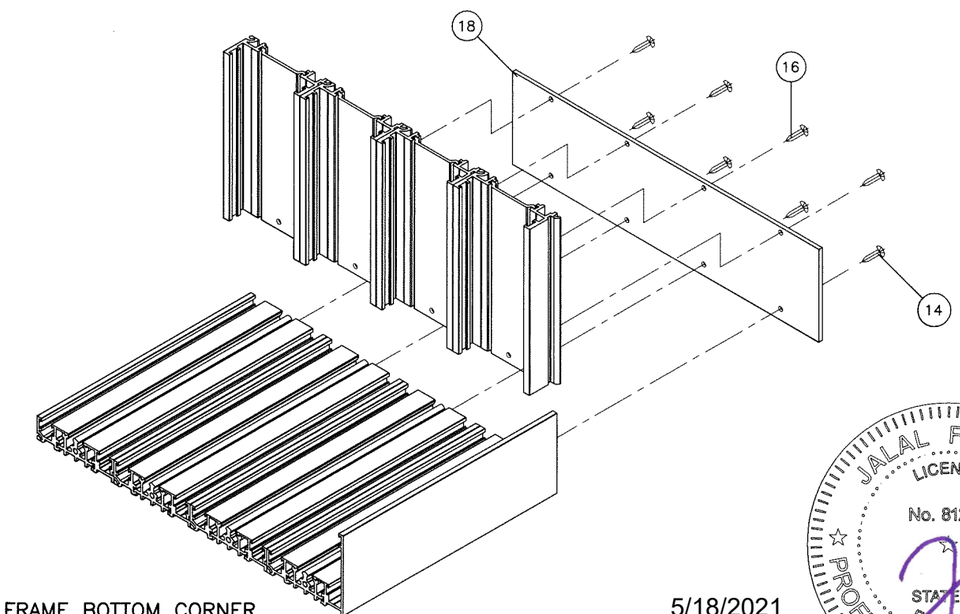


PANEL TOP/BOTTOM CORNER



FRAME TOP CORNER

4 TRACKS SHOWN
2, 3, 5 & 6 TRACKS SIMILAR



FRAME BOTTOM CORNER

4 TRACKS SHOWN
2, 3, 5 & 6 TRACKS SIMILAR

5/18/2021

FL #27971

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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9360 SUNSET DRIVE, SUITE 220
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Series 7600 Multi-Slide Stacking Door (N.I.)

Western Window Systems
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Phoenix, AZ. 85034
Tel: (877) 268-1300 Fax: (876)

revisions:			
no	date	by	description

date: 07-03-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-65F

sheet 18 of 18