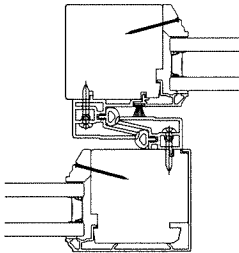


DOOR DESIGN LOAD CAPACITY – PSF			
DOORS WITH INTERLOCK STILES ONLY			
WITHOUT ASTRAGAL STILE			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'B'	
		EXT.(+)	INT.(–)
36	96	59.5	59.5
42		51.4	51.4
47–7/8		45.1	45.1
48		45.0	45.0
54		40.0	40.0
60		36.0	36.0
36	108	58.0	58.0
42		51.4	51.4
47–7/8		45.1	45.1
48		45.0	45.0
54		40.0	40.0
60		36.0	36.0
36	120	56.8	56.8
42		50.2	50.2
47–7/8		45.1	45.1
48		45.0	45.0
54		40.0	40.0
60		36.0	36.0
36	123–1/16	56.6	56.6
42		49.9	49.9
47–7/8		45.1	45.1
48		45.0	45.0
54		40.0	40.0
60		36.0	36.0

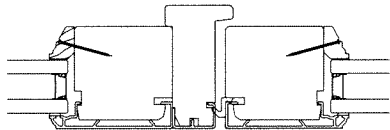
DOOR DESIGN LOAD CAPACITY – PSF			
DOORS WITH INTERLOCK STILES			
AND ASTRAGAL STILE			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'B'	
		EXT.(+)	INT.(–)
36	90	52.0	52.0
42		44.6	44.6
46–23/32		40.1	40.1
48		39.0	39.0
54		34.7	34.7
60		31.2	31.2
36	102	51.2	51.2
42		44.6	44.6
46–23/32		40.1	40.1
48		39.0	39.0
54		34.7	34.7
60		31.1	31.2
36	114	50.1	50.1
42		44.3	44.3
46–23/32		40.1	40.1
48		39.0	39.0
54		34.7	34.7
60		31.2	31.2
36	123–1/16	49.4	49.4
42		43.6	43.6
46–23/32		40.1	40.1
48		39.0	39.0
54		34.7	34.7
60		31.2	31.2

HEAD ANCHOR LOAD CAPACITY – PSF				
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHOR TYPE 'A'		ANCHOR 'B'
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	96	62.9	83.9	87.5
42		53.9	71.9	75.0
47–7/8		47.3	63.1	65.8
48		47.2	62.9	65.6
54		41.9	55.9	58.3
60		37.7	50.3	52.5
36	108	55.9	74.5	77.7
42		47.9	63.9	66.6
47–7/8		42.0	56.1	58.5
48		41.9	55.9	58.3
54		37.3	49.7	51.8
60		33.5	44.7	46.6
36	120	50.3	67.1	70.0
42		43.1	57.5	60.0
47–7/8		37.8	50.5	52.6
48		37.7	50.3	52.5
54		33.5	44.7	46.6
60		30.2	40.3	42.0
36	123–1/16	49.1	65.4	68.2
42		42.1	56.1	58.5
47–7/8		36.8	49.2	51.3
48		36.8	49.1	51.2
54		32.7	43.6	45.5
60		29.4	39.3	40.9

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	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	96	46.9	58.6	70.3	82.0	67.8	84.8
42		40.2	50.2	60.3	70.3	58.1	72.6
47–7/8		35.2	44.1	52.9	61.7	51.0	63.7
48		35.2	43.9	52.7	61.5	50.9	63.6
54		31.2	39.1	46.9	54.7	45.2	56.5
60		28.1	35.2	42.2	49.2	40.7	50.9
36	108	41.7	52.1	62.5	72.9	60.3	75.3
42		35.7	44.6	53.6	62.5	51.7	64.6
47–7/8		31.3	39.2	47.0	54.8	45.3	56.6
48		31.2	39.1	46.9	54.7	45.2	56.5
54		27.8	34.7	41.7	48.6	40.2	50.2
60		25.0	31.2	37.5	43.7	36.2	45.2
36	120	37.5	46.9	56.2	65.6	54.2	67.8
42		32.1	40.2	48.2	56.2	46.5	58.1
47–7/8		28.2	35.2	42.3	49.3	40.8	51.0
48		28.1	35.2	42.2	49.2	40.7	50.9
54		25.0	31.2	37.5	43.7	36.2	45.2
60		22.5	28.1	33.7	39.4	32.5	40.7
36	123–1/16	36.6	45.7	54.8	64.0	52.9	66.1
42		31.3	39.2	47.0	54.8	45.3	56.7
47–7/8		27.5	34.4	41.2	48.1	39.8	49.7
48		27.4	34.3	41.1	48.0	39.7	49.6
54		24.4	30.5	36.6	42.7	35.3	44.1
60		21.9	27.4	32.9	38.4	31.7	39.7



INTERLOCK STILES



ASTRAGAL STILE

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

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 40.4 PSF
FOR 2–3/8" SILL HEIGHT LIMIT EXT.(+) LOADS TO 50.1 PSF
SEE SHEET 6 FOR DETAILS

SEE CHARTS ON LEFT FOR DESIGN LOAD CAPACITY OF DOOR SIZE AND DESIRED CONFIGURATIONS.

SEE HEAD ANCHOR CHART ABOVE FOR HEAD ANCHOR LOAD CAPACITY.

SEE SILL ANCHOR CHART ABOVE 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.

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

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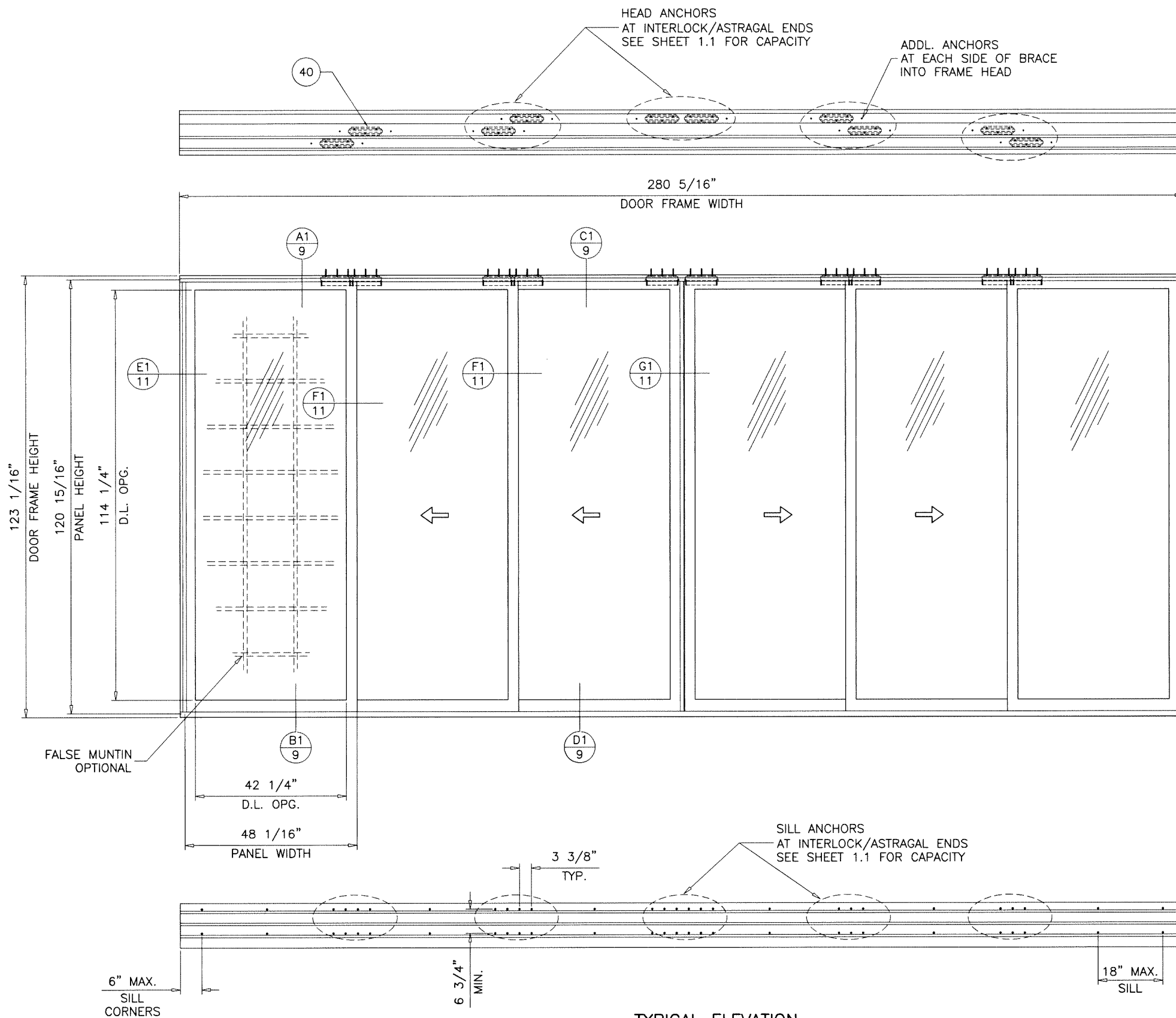
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chk. by:

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24–102F
sheet 1.1 of 14



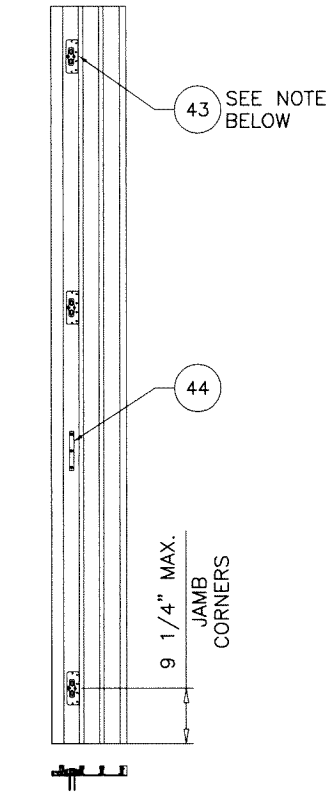
TYPICAL ELEVATION
OXX-XXO

DAYLITE OPENING WIDTH:
PANEL WIDTH - 5.813"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 6.688"

PANEL HEIGHT = DOOR FRAME HEIGHT - 2.125"

3 TRACK
FRAME HEAD



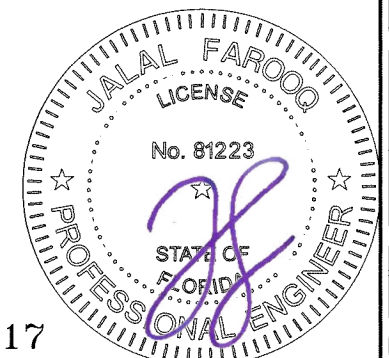
3 TRACKS
ANCHORS THRU
GUIDE AND
STRIKE PLATE

3 TRACKS
ANCHORS THRU
FRAME JAMB

JAMB GUIDES:
(1) GUIDE AT TOP & BOTTOM REQD. FOR DOOR HEIGHTS UP TO 96"
ADDL. CENTER GUIDE REQD. FOR DOOR HEIGHTS ABOVE 96"

3 TRACK
FRAME SILL

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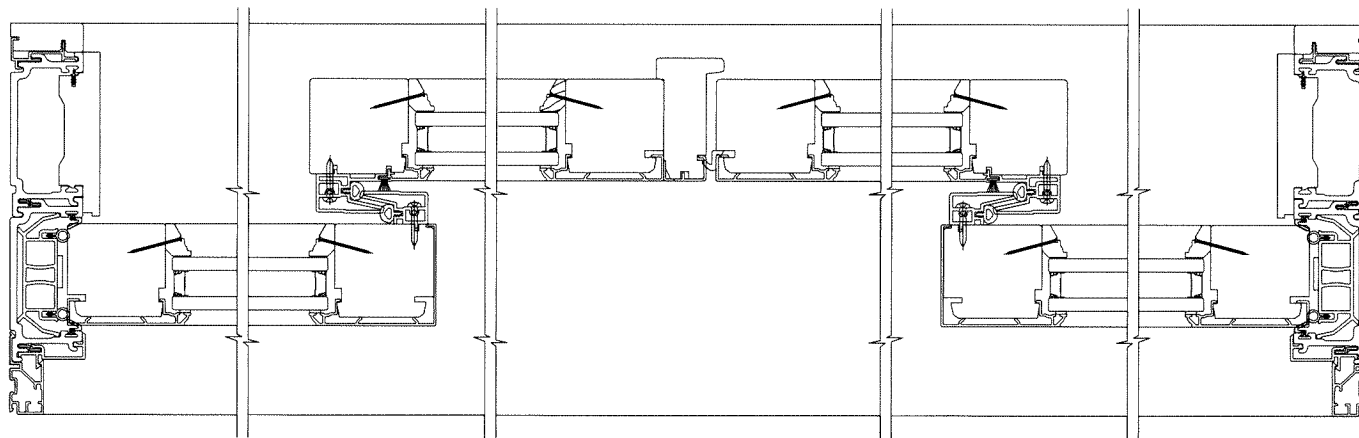
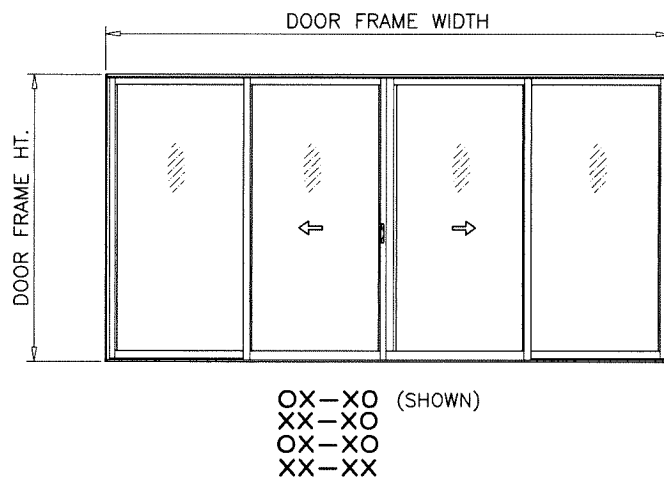
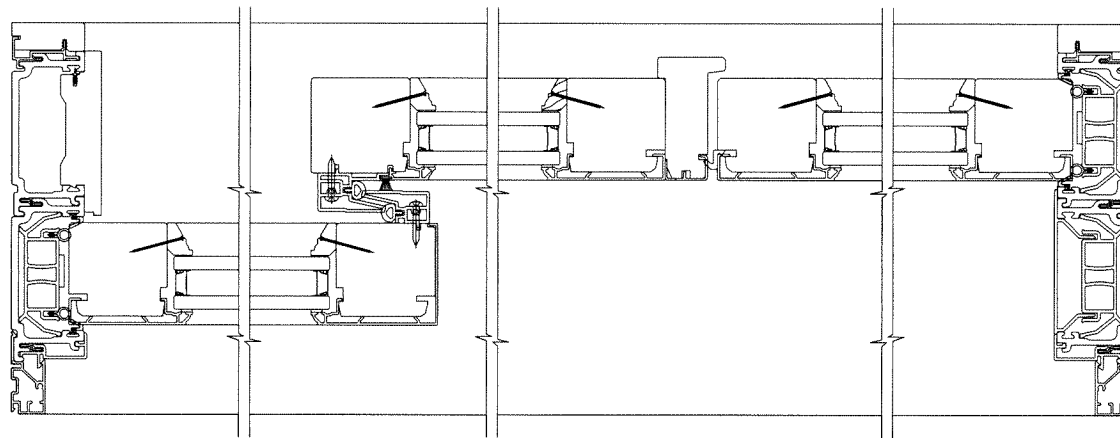
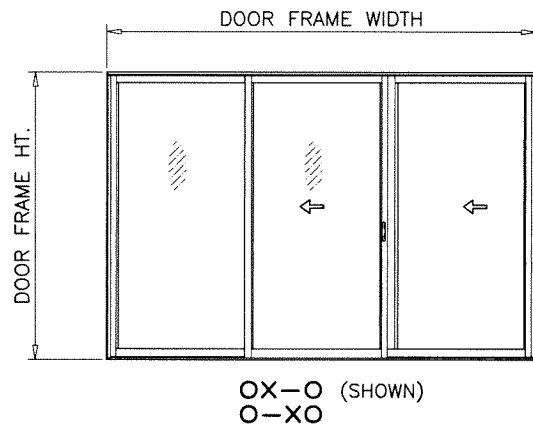
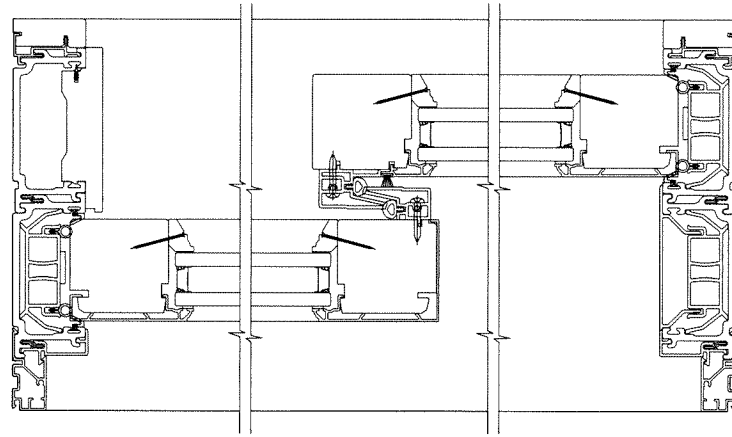
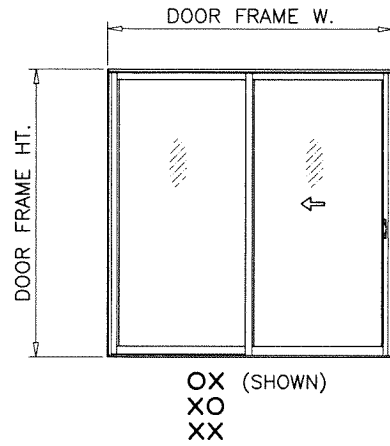


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dr. by: TARIQ	chk. by:		
drawing no.		24-102F	
sheet 3 of 14			



APPROVED CONFIGURATIONS
TWO (2) TRACKS

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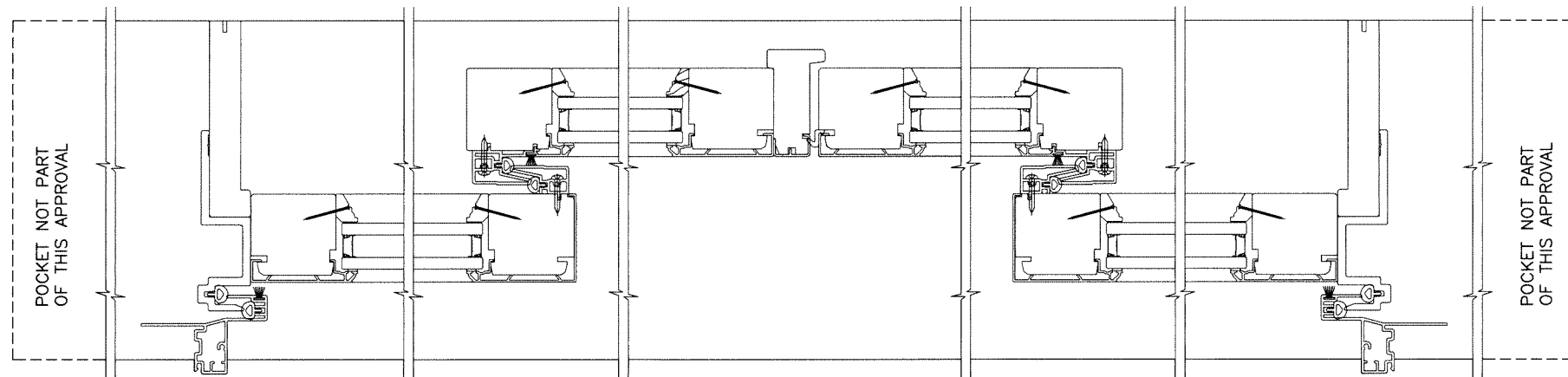
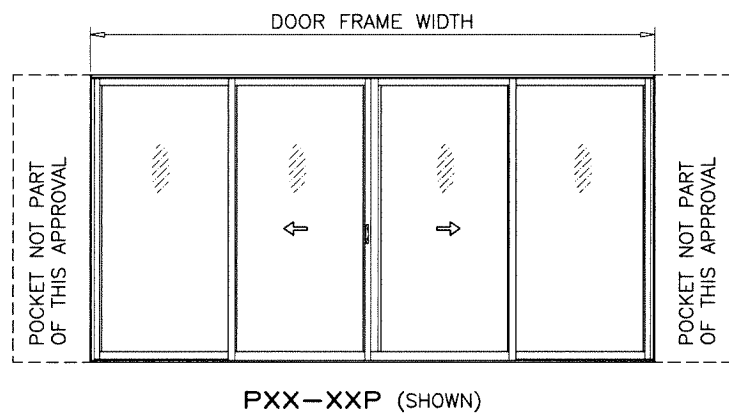
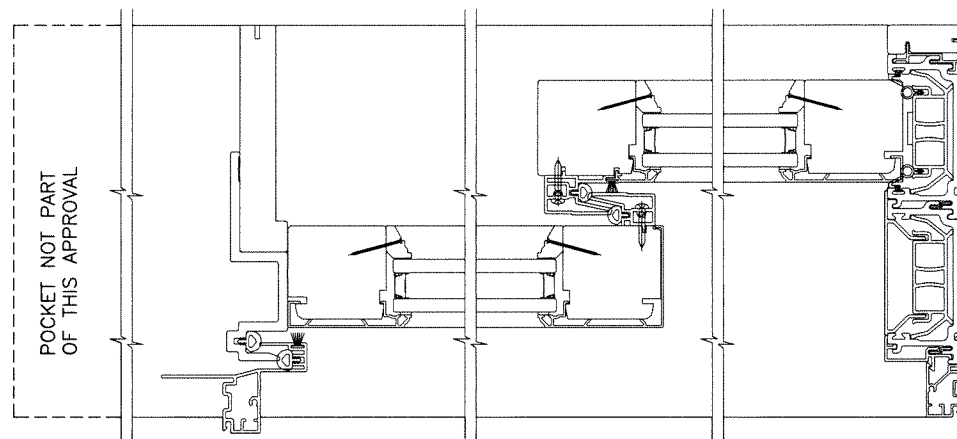
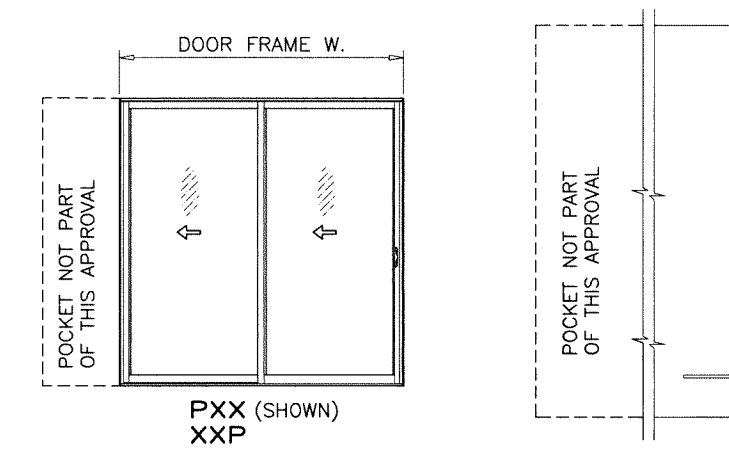


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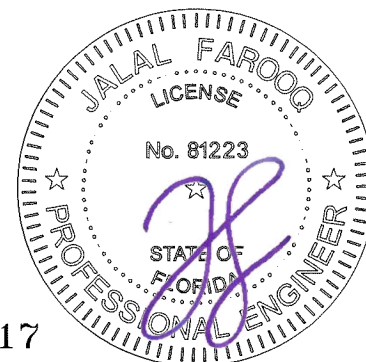
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APPROVED CONFIGURATIONS
TWO (2) TRACKS
POCKETED DOORS



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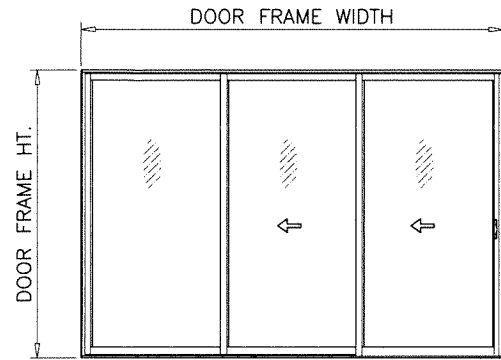
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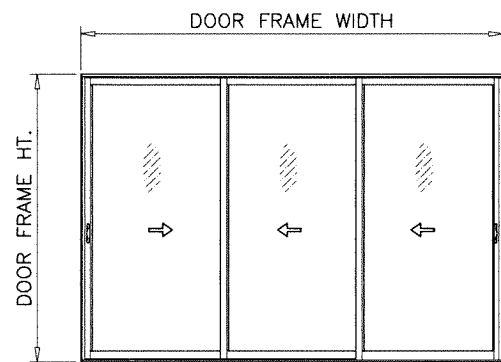
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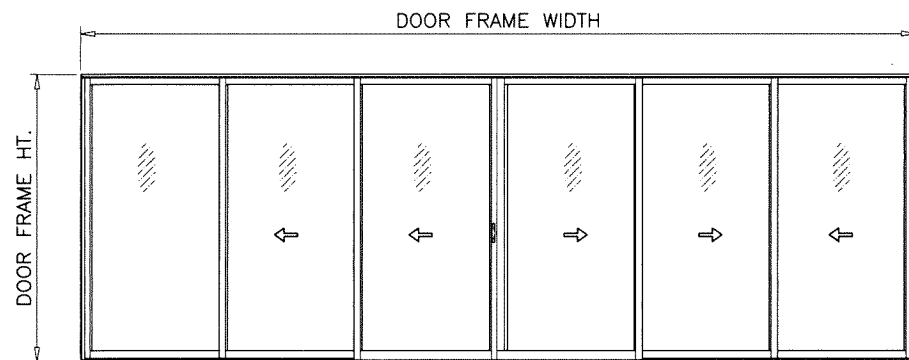
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24-102F
sheet 4.1 of 14



OXX (SHOWN)
XXO

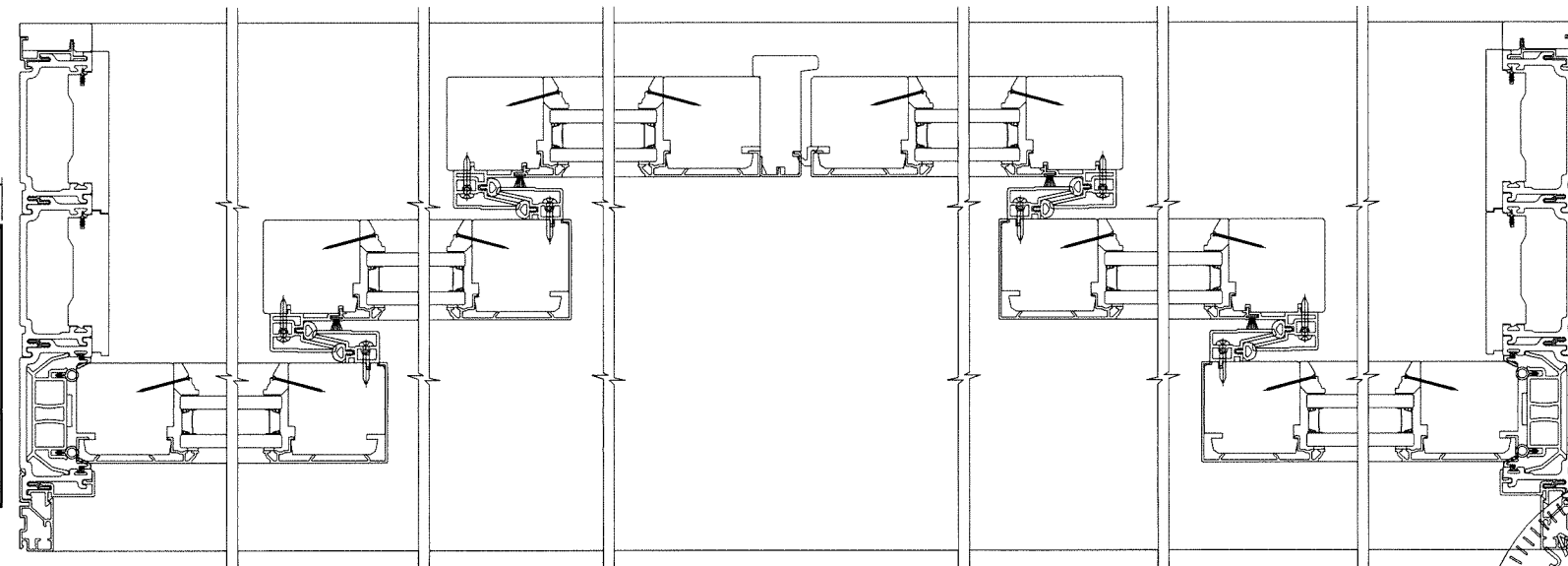
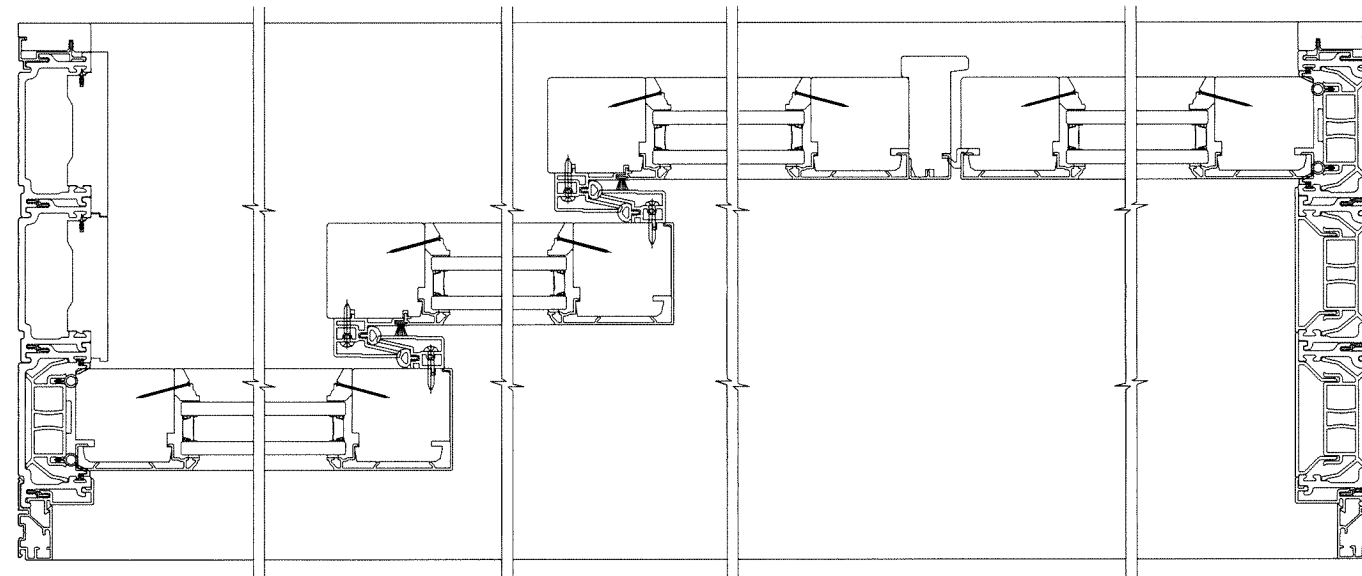
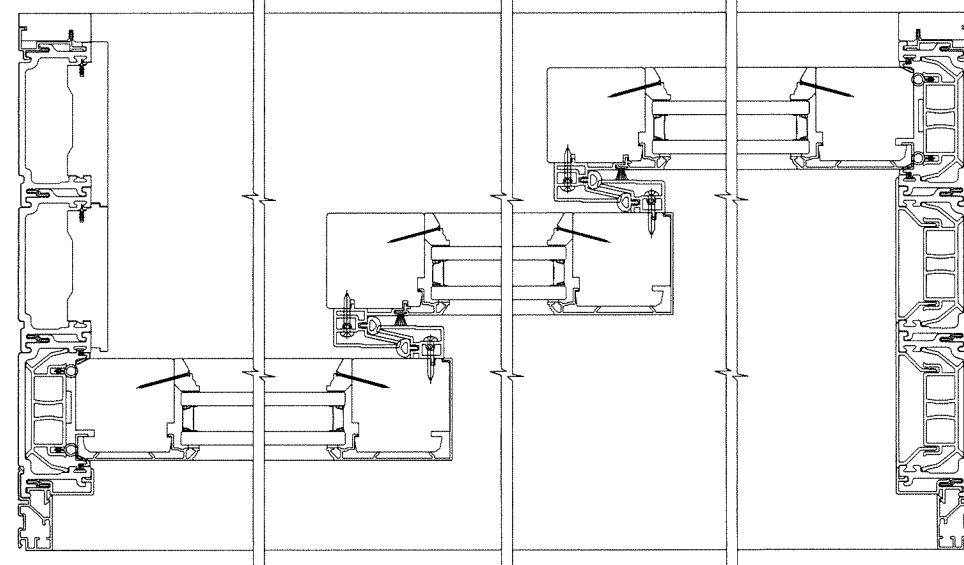


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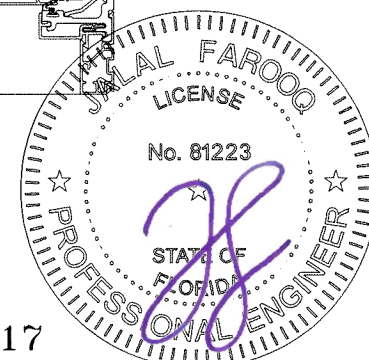


OXX-XXX (SHOWN)
XXX-XXO
OXX-XXO
XXX-XXX

APPROVED CONFIGURATIONS
THREE (3) TRACKS
NON-POCKETED DOORS



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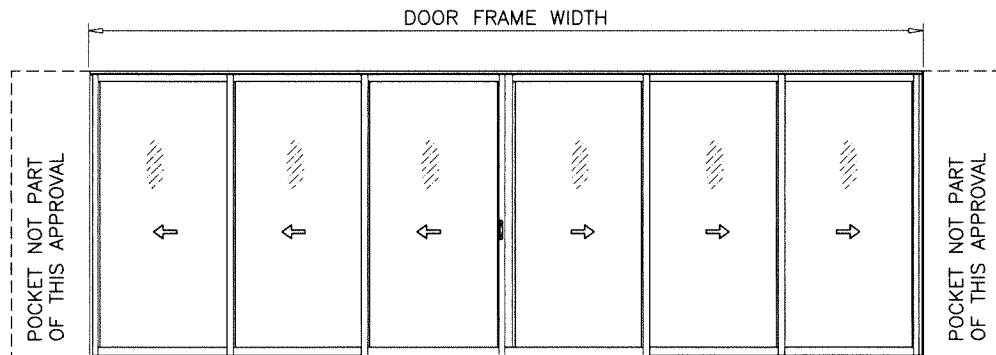


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chk. by:			
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sheet	5 of 14		

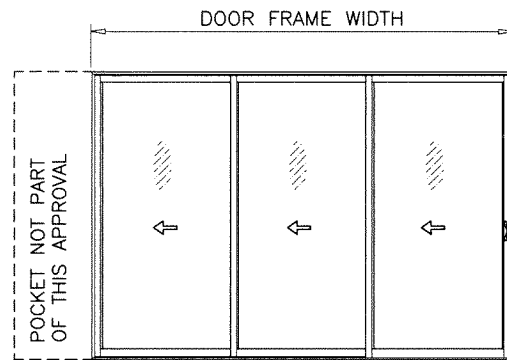


PXXX-XXXX (SHOWN)

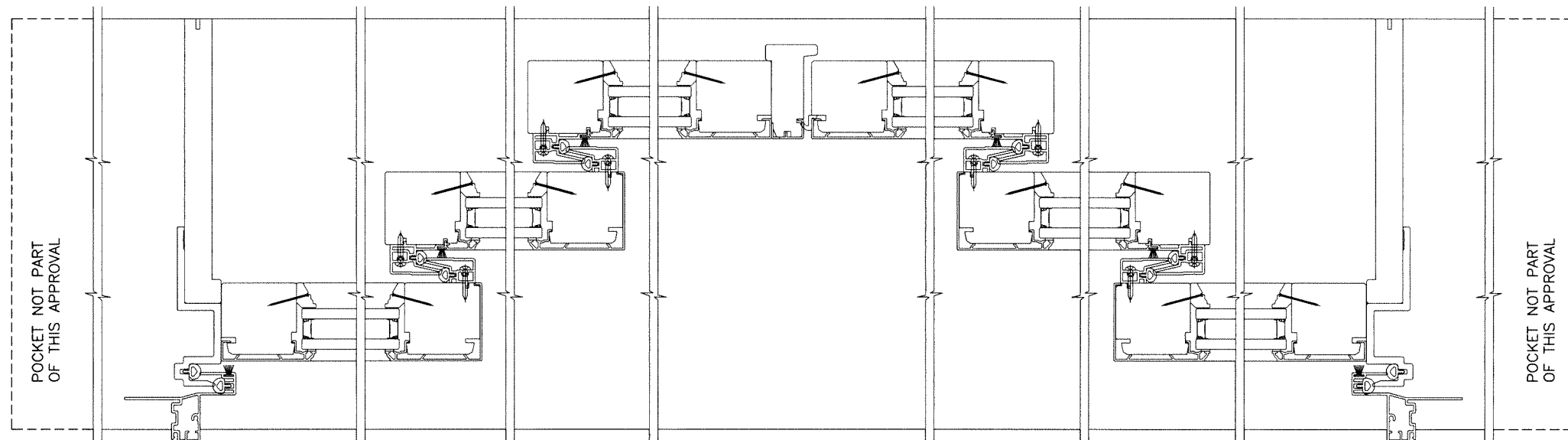
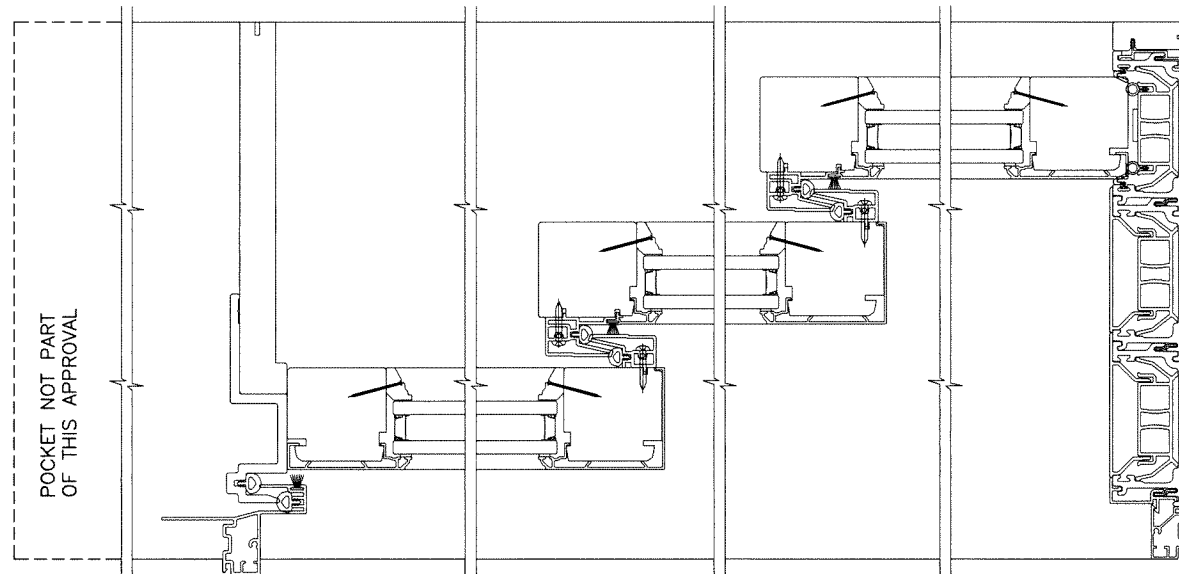
APPROVED CONFIGURATIONS

THREE (3) TRACKS

POCKETED DOORS



PXXX (SHOWN)
XXXX



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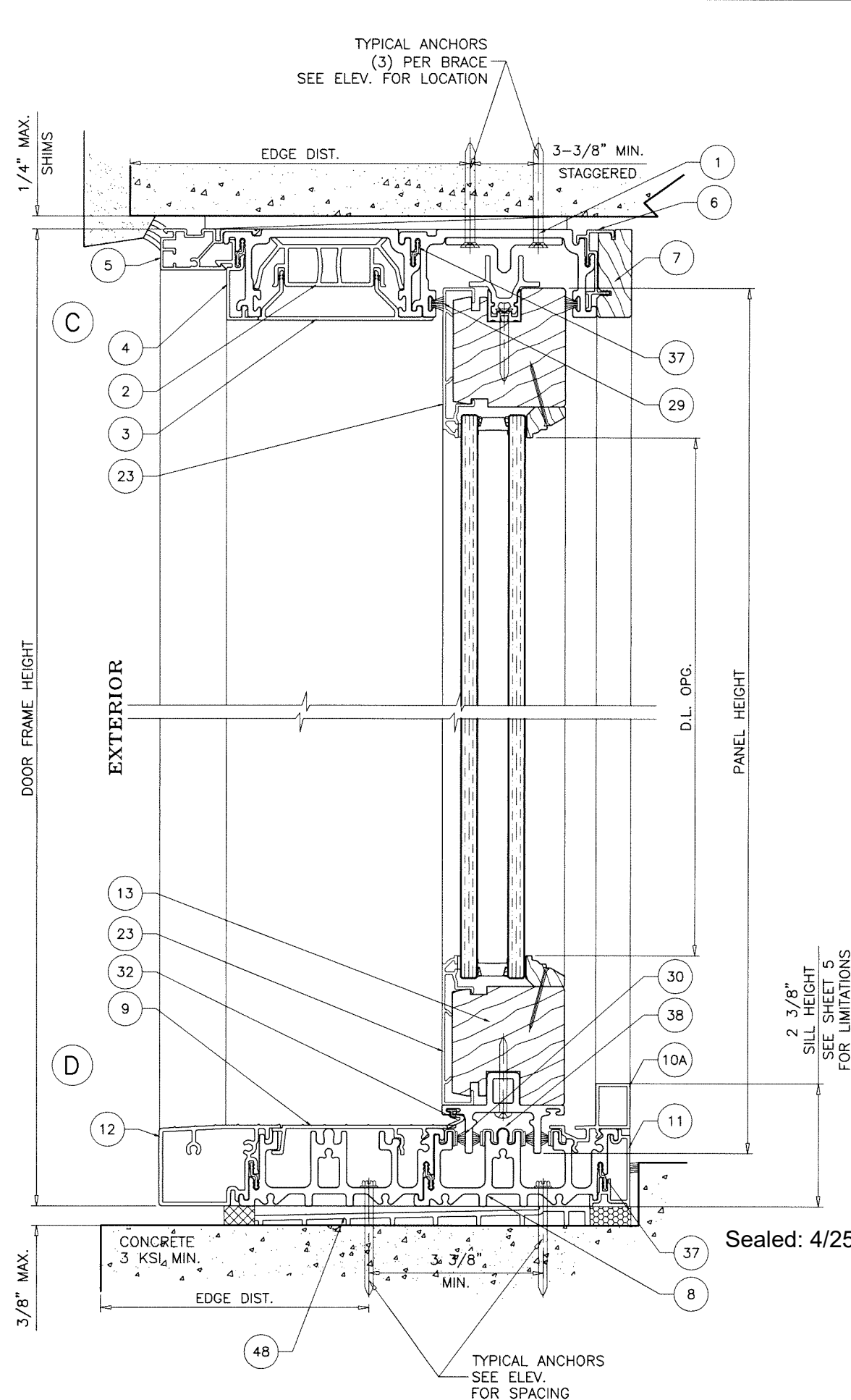
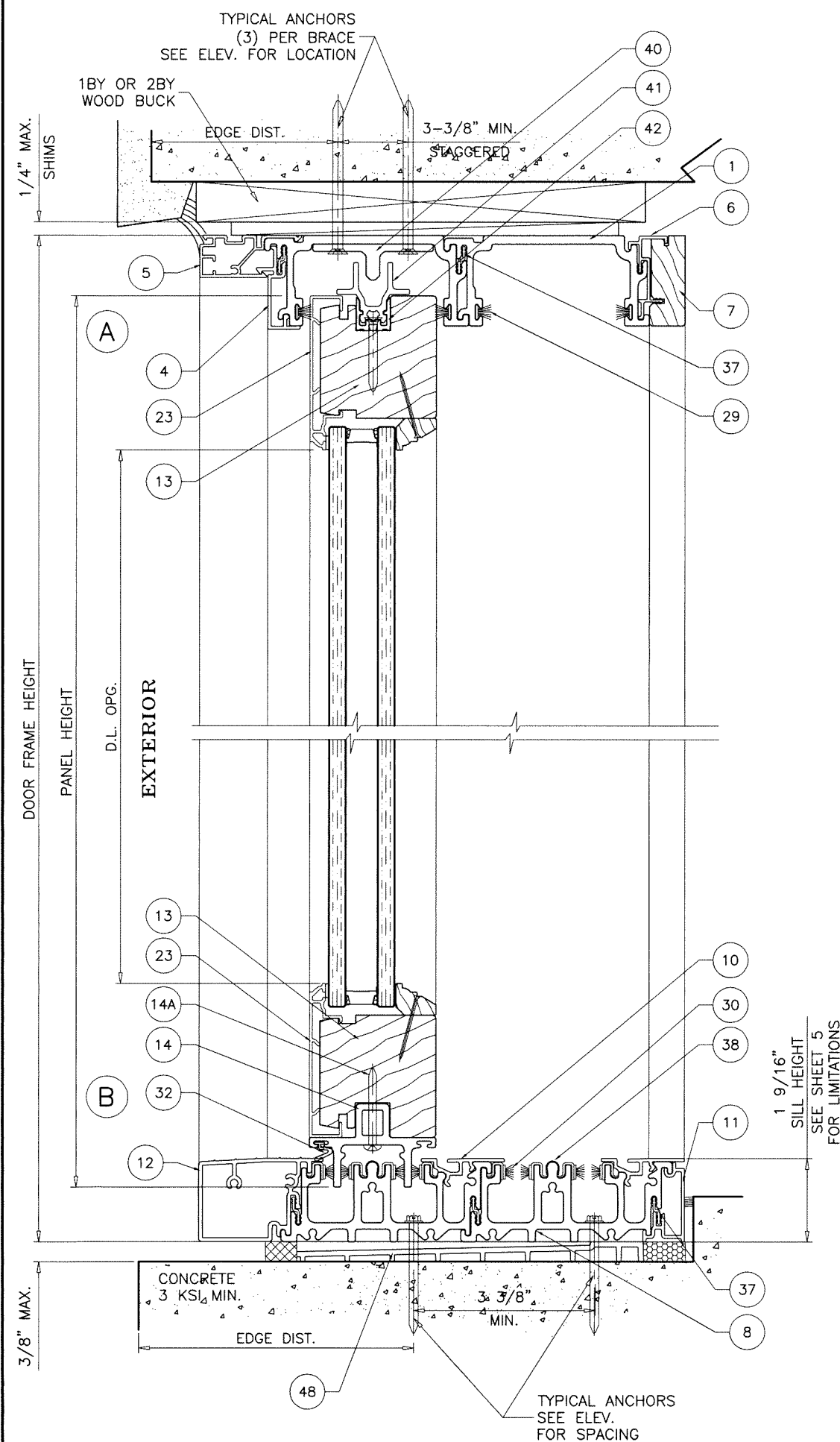


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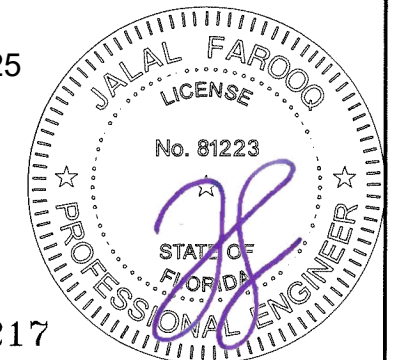
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2 TRACK FRAMES

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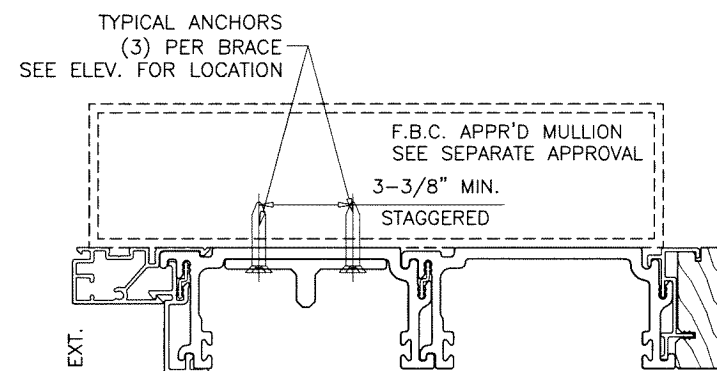
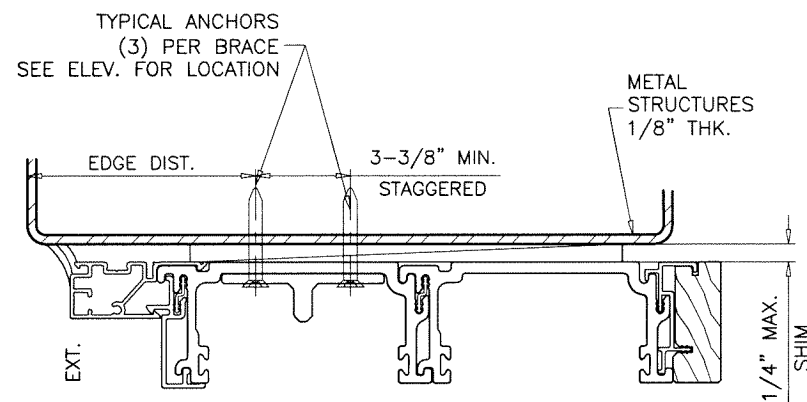
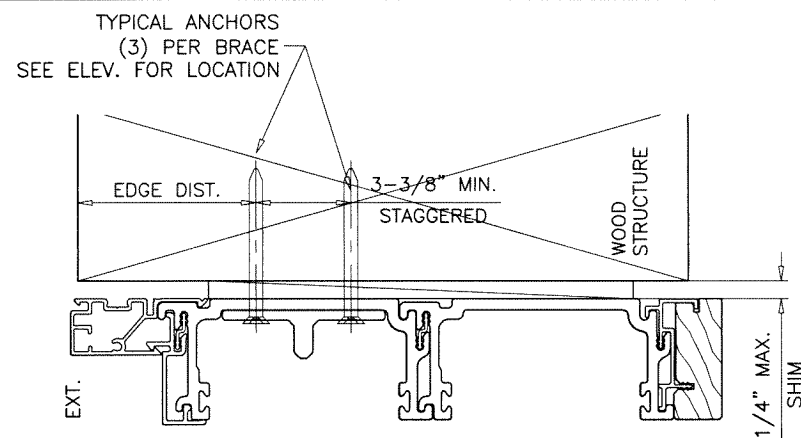
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chk. by:

drawing no.

24-102F

sheet 6 of 14



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 3/16" X 2-3/4" ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=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. (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 = 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

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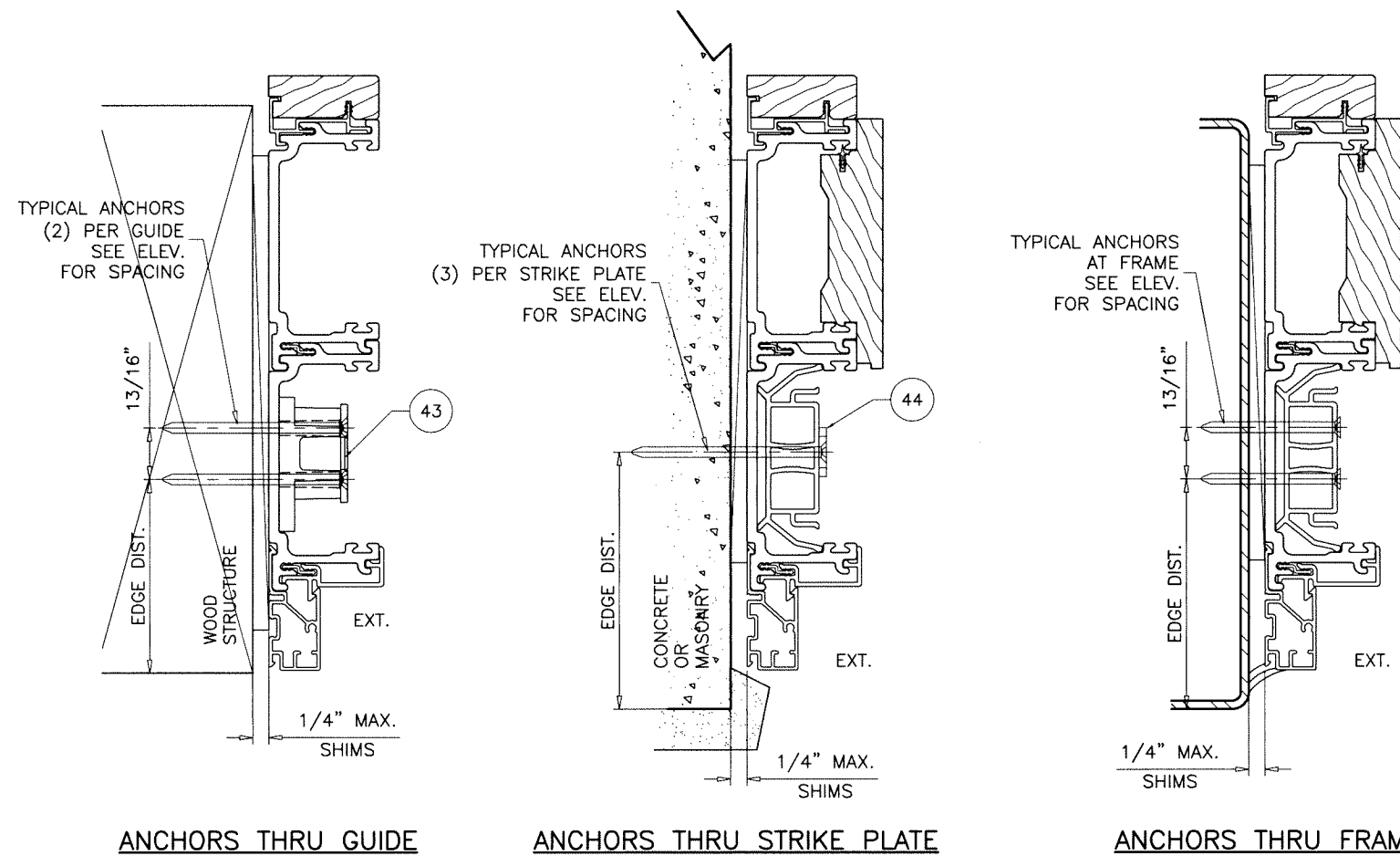
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drawing no.	24-102F	sheet	7 of 14



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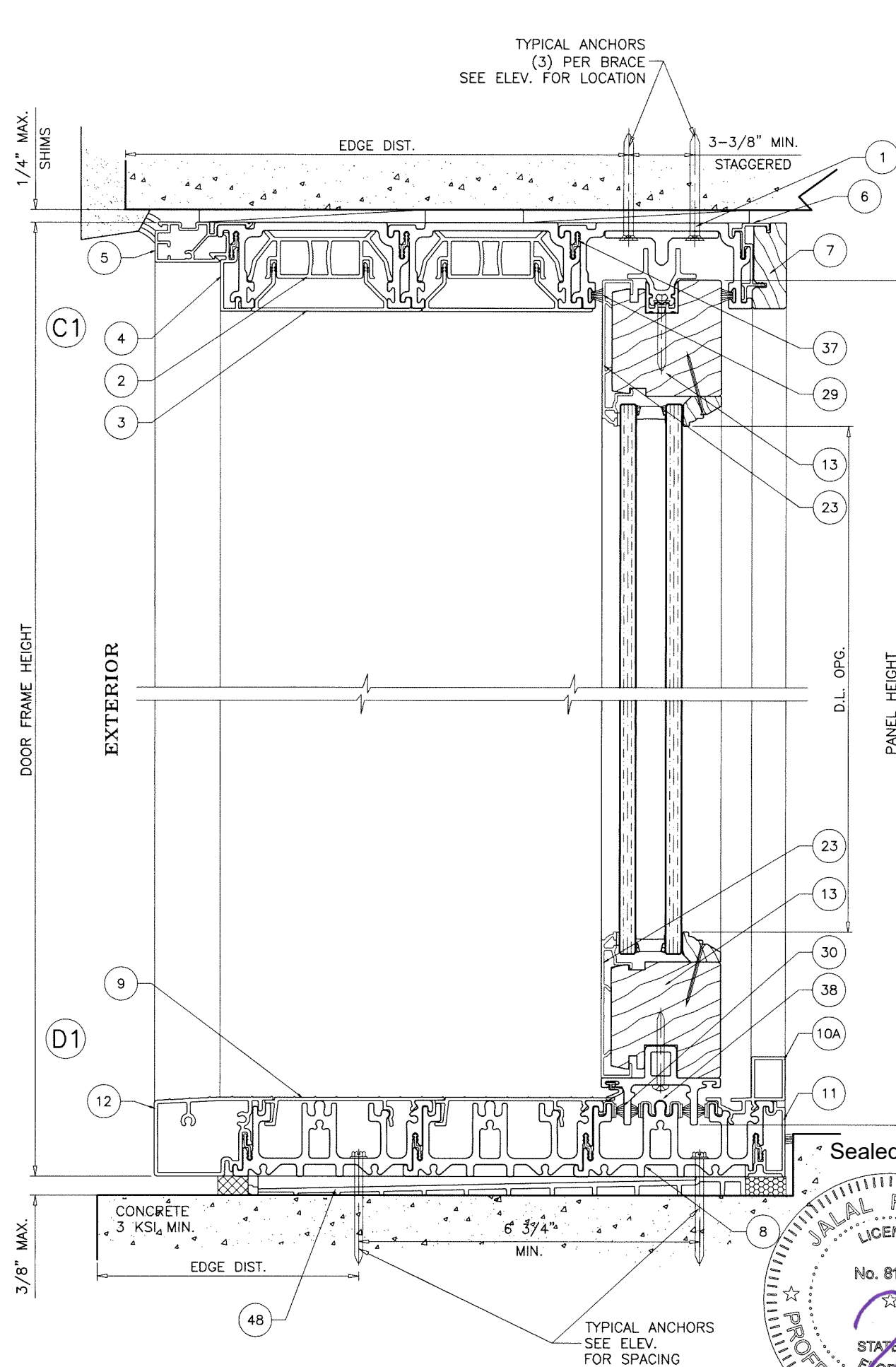
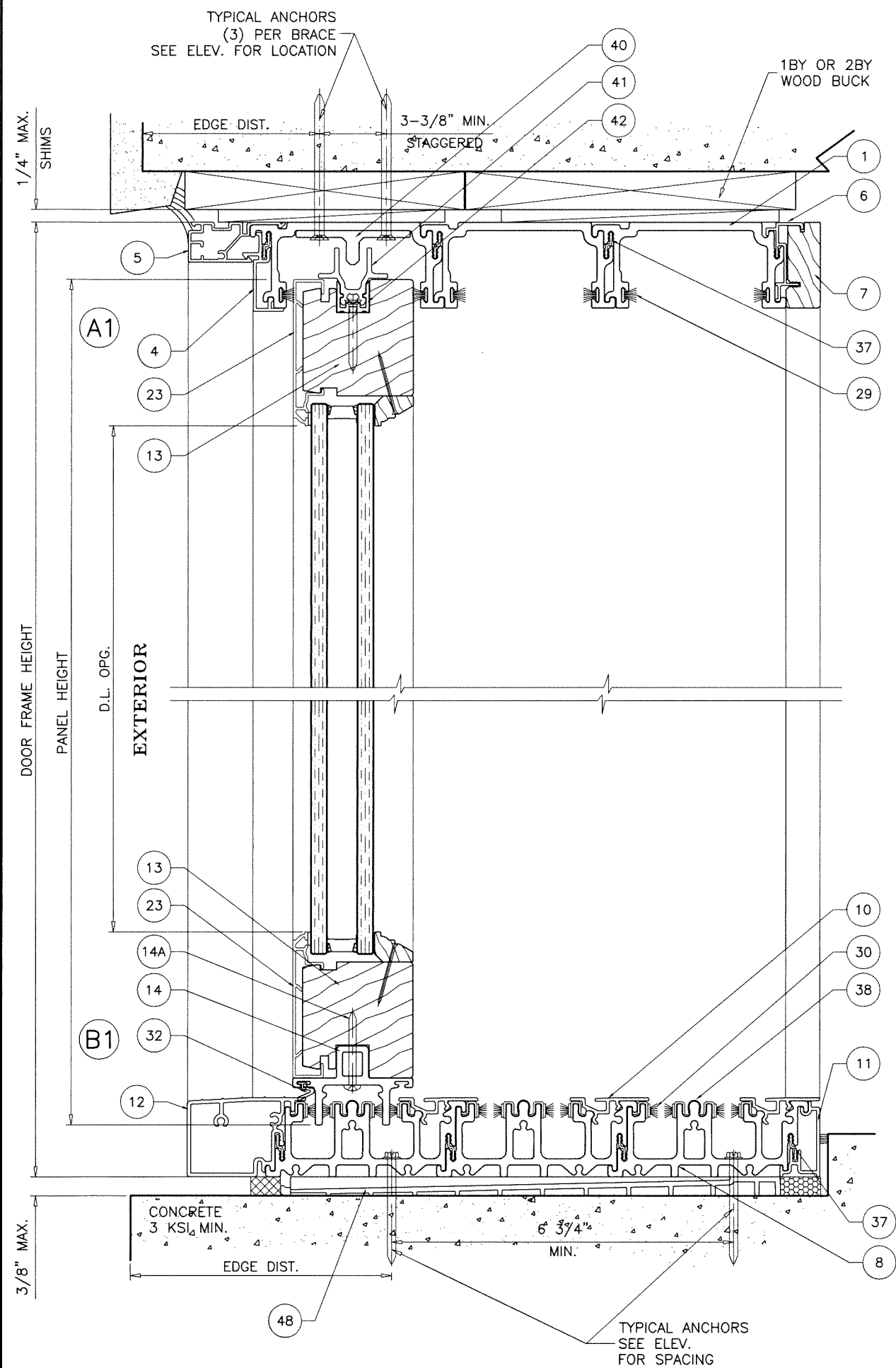
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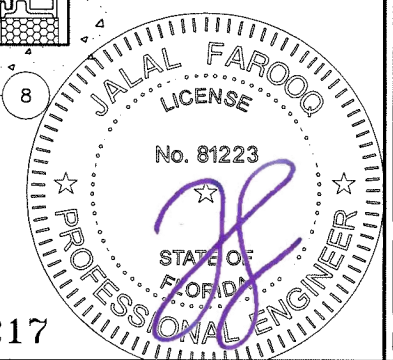
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3 TRACK FRAMES

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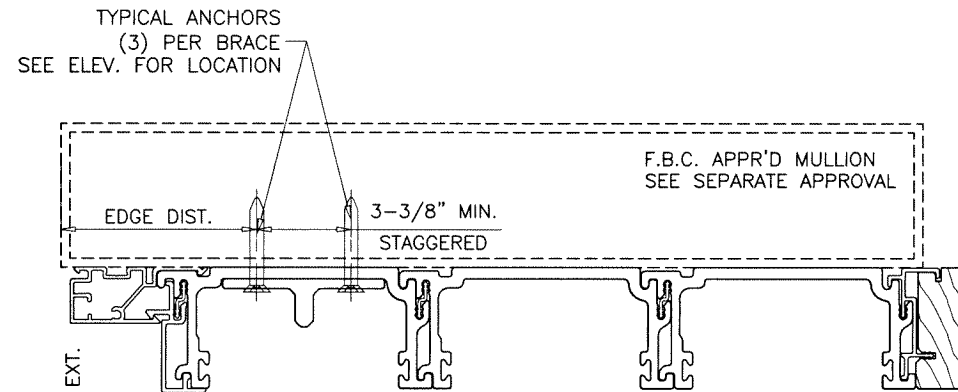
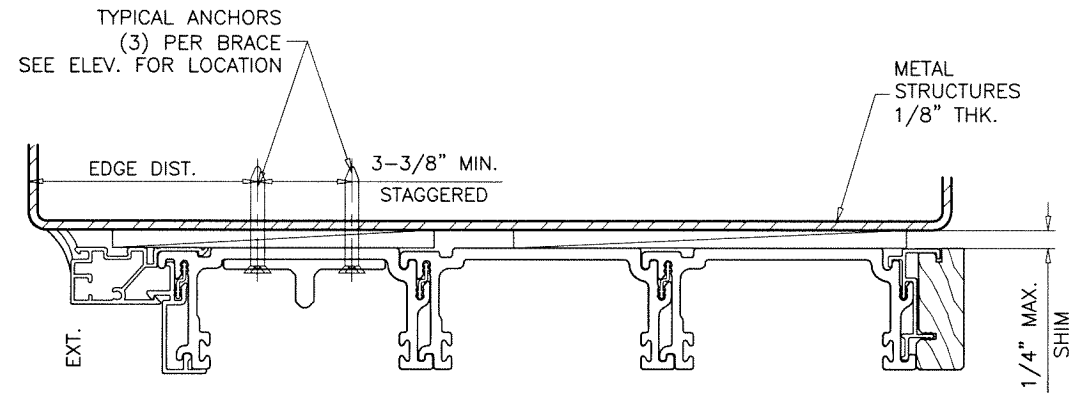
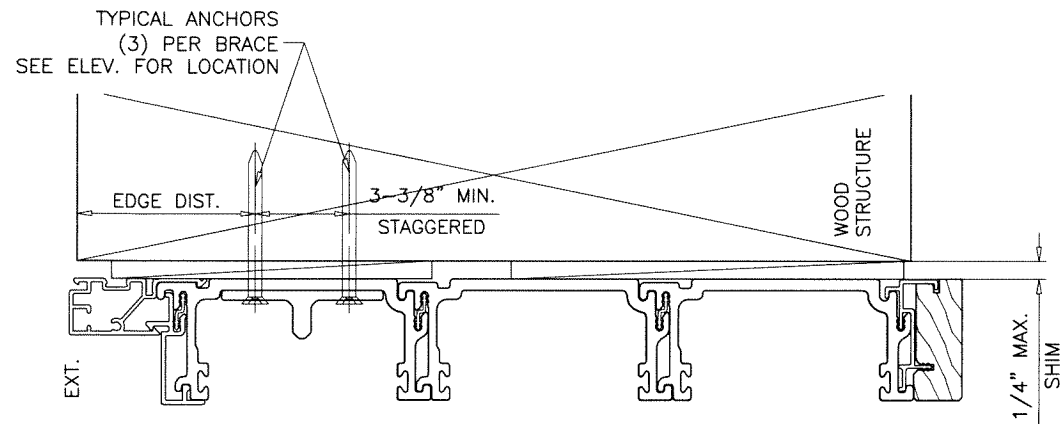
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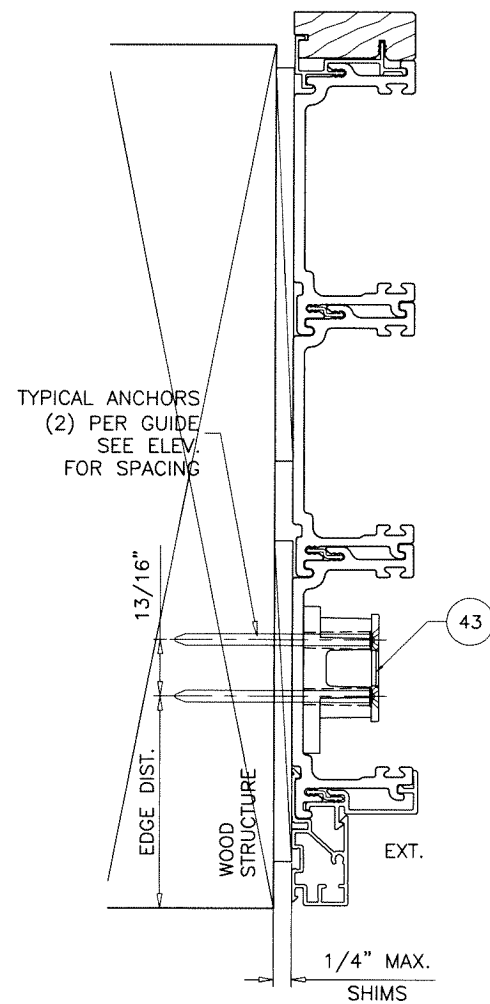


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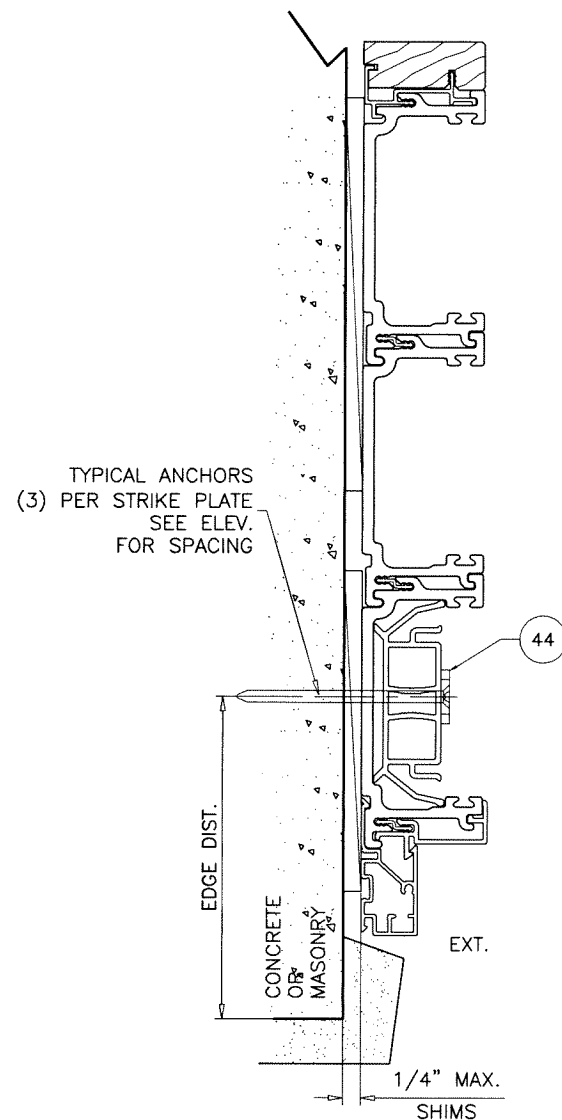
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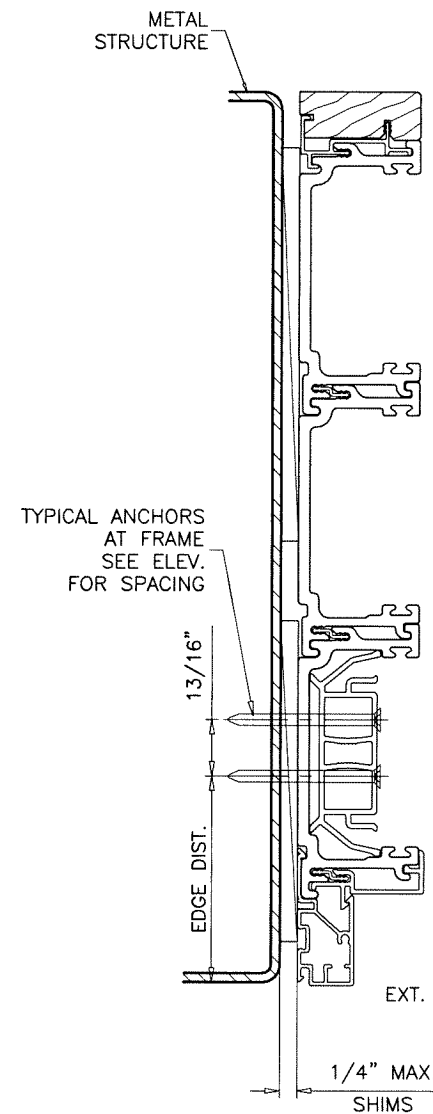
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								sheet 10 of 14	



ANCHORS THRU GUIDE



ANCHORS THRU STRIKE PLATE



ANCHORS THRU FRAME

3 TRACK FRAMES

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1 FRAME HEAD/JAMB CHANNEL

2 FRAME HEAD/JAMB RECIEVER

3 FRAME HEAD COVER

4 FASCIA CLADDING

5 FRAME HEAD/JAMB CLADDING

6 INT. HEAD/JAMB TRIM RETAINER

8 SILL TRACK

9 SILL COVER

10 DRAIN COVER

10A DRAIN COVER RAISED

11 INTERIOR SILL TRIM

12 SILL NOSING

13 TOP/BOTTOM RAIL

15 JAMB COVER

16 FIXED STILE

17 OPERATING MTG. STILE

18 BPT ASTRAGAL

19 INT. MTG. STILE INTERLOCK

20 EXT. PANEL INTERLOCK

21 INT. MTG. STILE CLADDING

22 GLASS STOP

7 INTERIOR TRIM

14 BOTTOM RAIL GUIDE

23 RAIL/STILE COVER

24 MTG. STILE COVER

25 ASTRAGAL COVER

40 STRUCTURAL BRACE

41 PANEL STRUCTURAL RAIL

42 STRUCTURAL RAIL BASE

45 POCKET JAMB COVER

46 HOOK STRIP

47 ANCHOR STRIP

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