

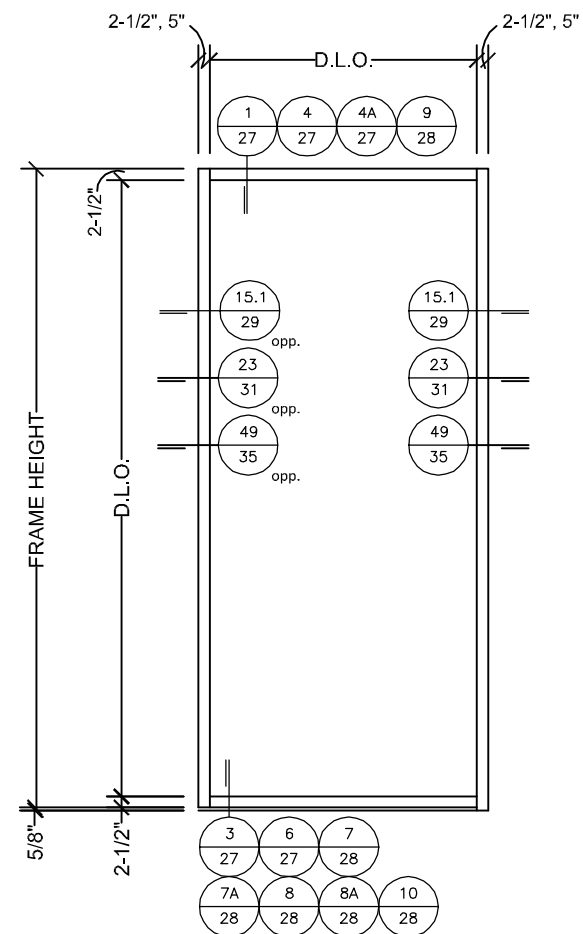
**OUTSIDE DRY AND WET GLAZED ELEVATIONS  
(DEPICTED WITH FG-5712 SUB SILL)**

**INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING**

- STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.
- STEP ②: USE THE MULLION LOADING TABLE TO DETERMINE THE ALLOWABLE PRESSURES FOR THE MULLIONS  
NOTE: TO DETERMINE THE LOADS OF THE MULLIONS, SEE DIAGRAM ON PAGE 12
- STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.
- STEP ④: LESSER OF SILL / HEAD ALLOWABLE PRESSURE (PAGES 27-29) AND FASTENER SCHEDULE (PAGES 17-26) MUST MEET OR EXCEED DESIGN LOAD PRESSURE FOR THE STOREFRONT SYSTEM.

DOORS ARE SHOWN BY SEPARATE APPROVAL  
LESSER PRESSURE WILL PREVAIL ON COMBINED PRODUCTS  
MINIMUM SHIM SPACE REQUIRED 1/4", MAXIMUM SHIM SPACE 1/2"

**TYPICAL SINGLE PANEL OPENING**  
FRAME SIZE FOR SINGLE OPENINGS SHALL BE GOVERNED BY THE MAXIMUM ALLOWABLE D.L.O. DIMENSIONS DISPLAYED ON THE GLASS CHARTS



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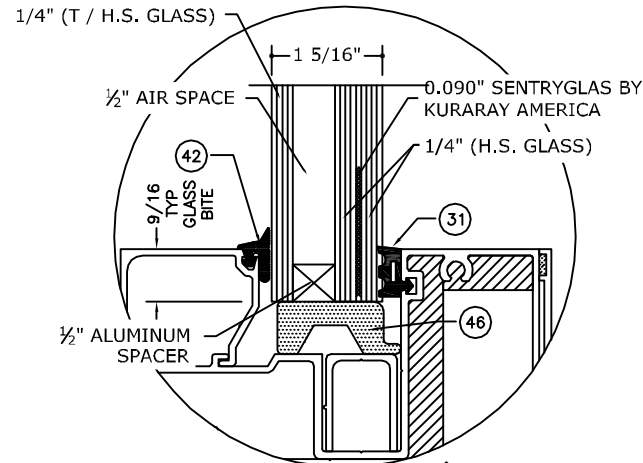
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02



# GLASS TYPES (L.M.I.) OUTSIDE GLAZED - MISSILE LEVEL "D"



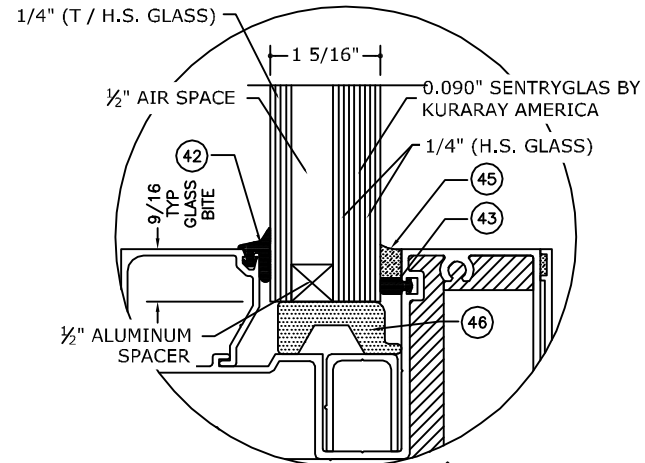
GLASS TYPE **G1**

GLAZING DETAIL (DRY GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS



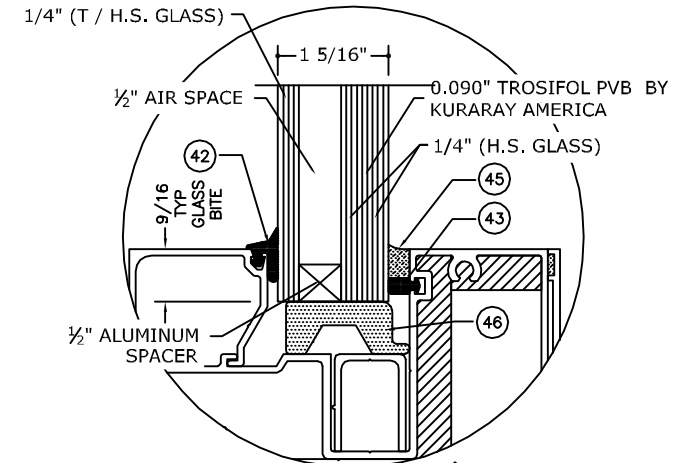
GLASS TYPE **G2**

GLAZING DETAIL (WET GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS



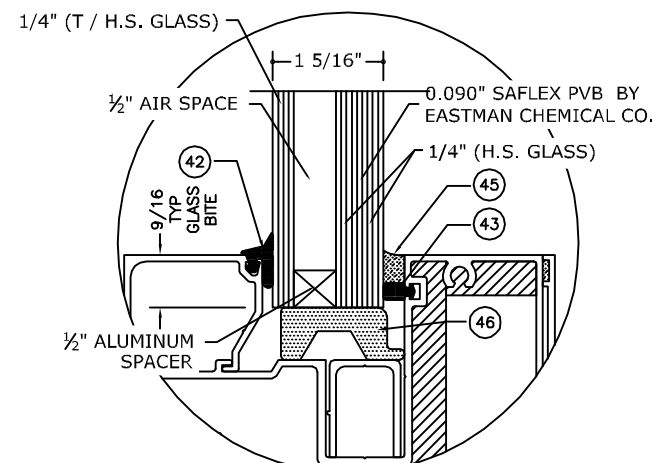
GLASS TYPE **G3**

GLAZING DETAIL (WET GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS



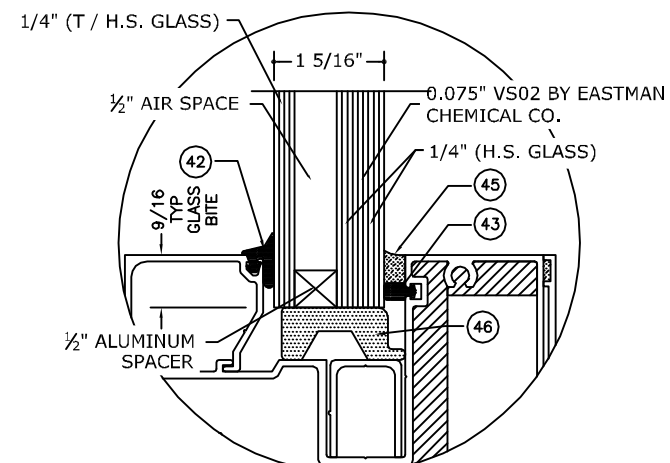
GLASS TYPE **G4**

GLAZING DETAIL (WET GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS



GLASS TYPE **G5**

GLAZING DETAIL (WET GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS

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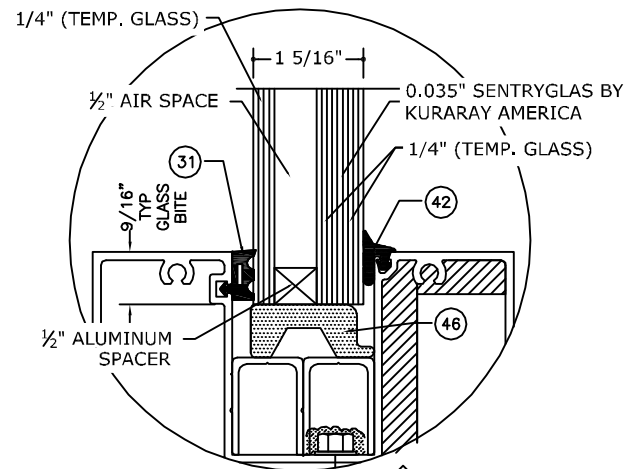
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**04**

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# GLASS TYPE (LMI & S.M.I.) - INSIDE GLAZED



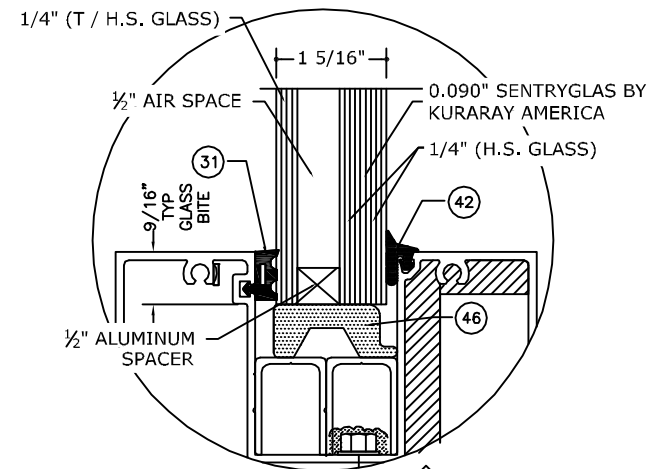
GLASS TYPE **G6**

GLAZING DETAIL (DRY GLAZED)

N.T.S.

**GLASS RATING:**

SMALL MISSILE  
1 5/16" GLASS



GLASS TYPE **G7**

GLAZING DETAIL (DRY GLAZED)

N.T.S.

**GLASS RATING:**

LARGE MISSILE LEVEL D  
1 5/16" GLASS

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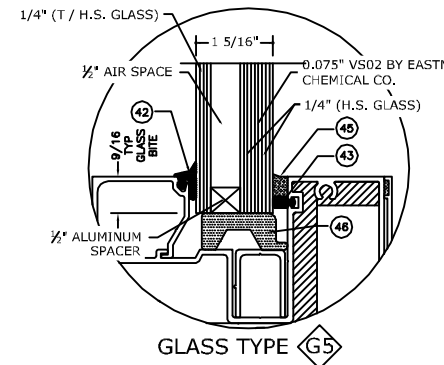
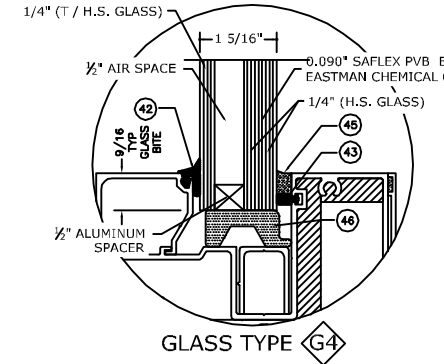
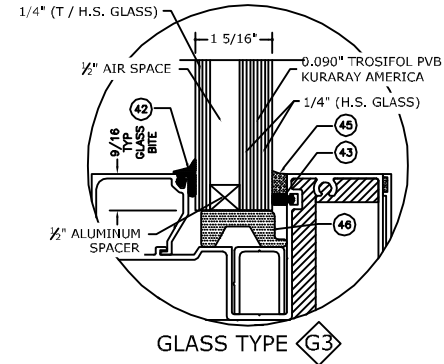
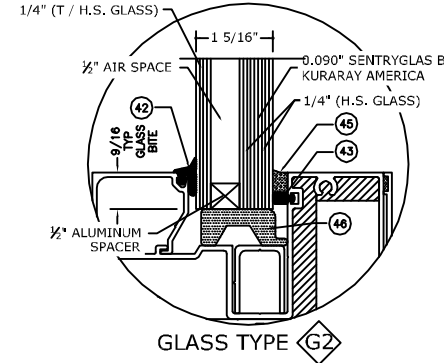
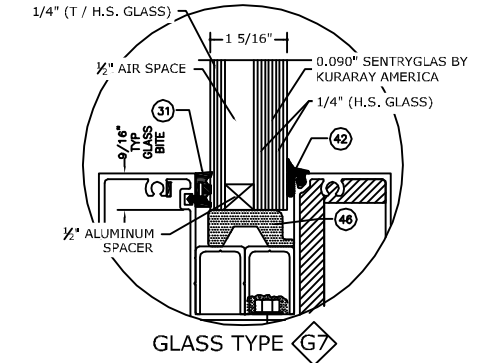
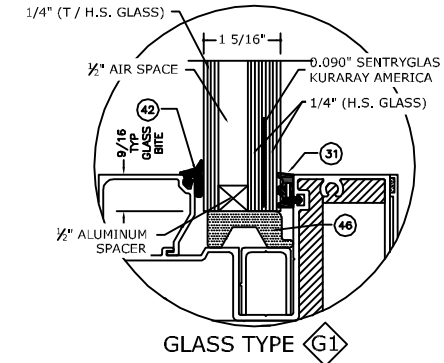
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# GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
48	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	52	52	59	67	90	90
	57 1/2	75	75	75	75	52	52	59	67	90	90
	60	75	75	75	75	52	52	59	67	90	90
	66	75	75	75	75	52	52	59	67	90	90
54	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	46	46	52	60	90	90
	60	75	75	75	75	46	46	52	60	90	90
	66	75	75	75	75	46	46	52	60	90	90
60	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	44	44	49	56	90	90
	60	67	67	67	67	42	42	47	54	86	86
	66	67	67	67	67	-	-	47	54	86	86
66	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	55	55	67	77	90	90
	46	75	75	75	75	55	55	61	70	90	90
	48	75	75	75	75	52	52	59	67	90	90
	54	75	75	75	75	46	46	52	60	90	90
	57 1/2	75	75	75	75	44	44	49	56	90	90
	60	67	67	67	67	-	-	47	54	86	86
	66	60	60	60	60	-	-	42	49	78	78
72	60	60	60	60	-	-	-	-	78	78	
78	60	60	60	60	-	-	-	-	78	78	



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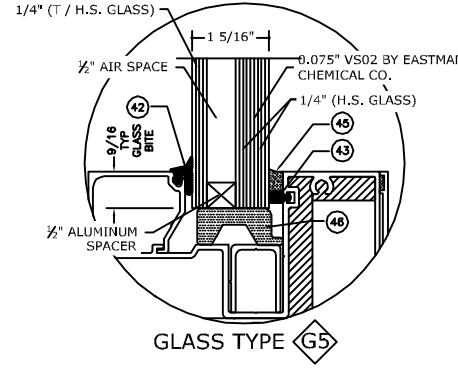
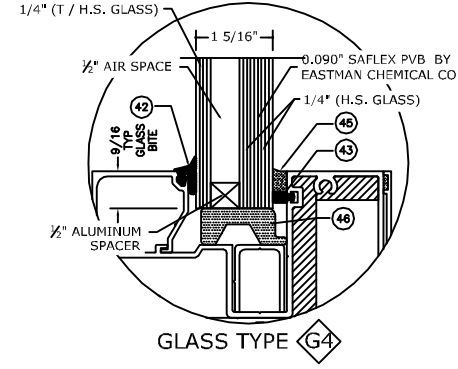
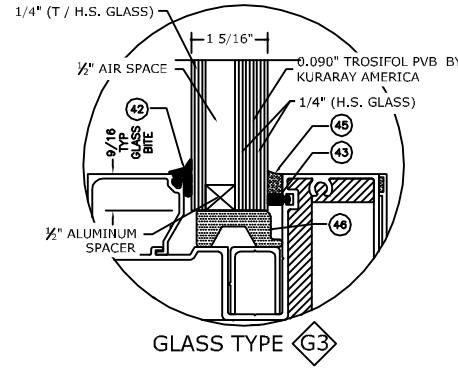
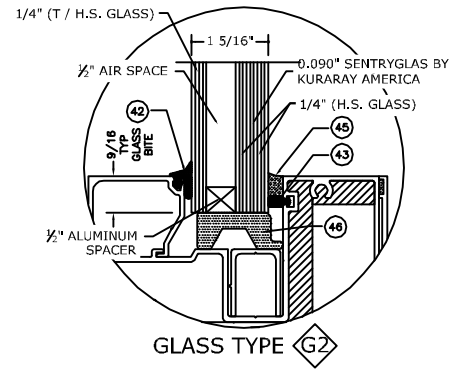
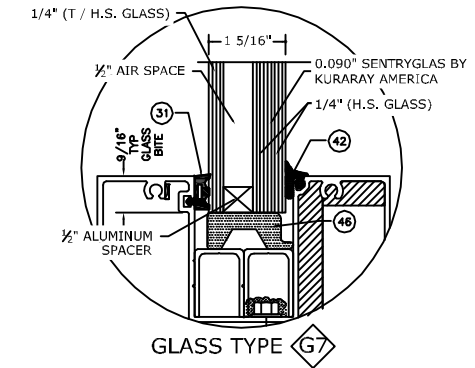
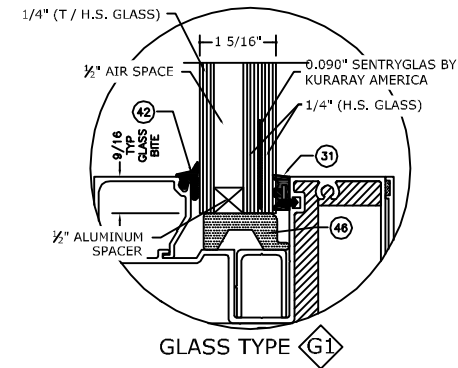
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# GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
101	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	55	55	70	80	90	90
	42	75	75	75	75	-	-	67	77	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	75	75	75	75	-	-	-	-	90	90
	57 1/2	-	-	-	-	-	-	-	-	90	90
108	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	-	-	-	-	-	-	-	-	90	90
	57 1/2	-	-	-	-	-	-	-	-	90	90
115	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90
	48	75	75	75	75	-	-	-	-	90	90
	54	-	-	-	-	-	-	-	-	90	90
	57 1/2	-	-	-	-	-	-	-	-	90	90
120	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	70	80	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	75	75	75	75	-	-	-	-	90	90
	54	-	-	-	-	-	-	-	-	90	90



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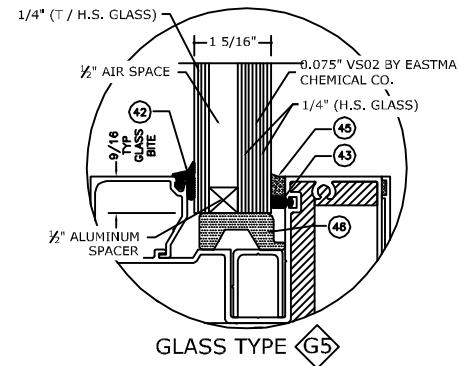
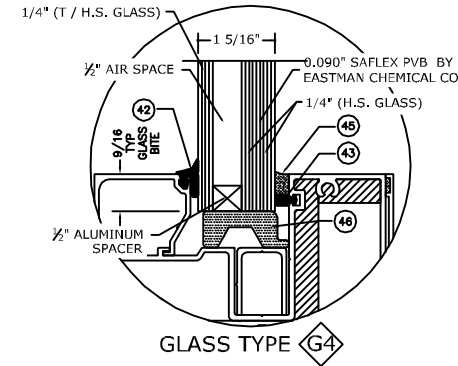
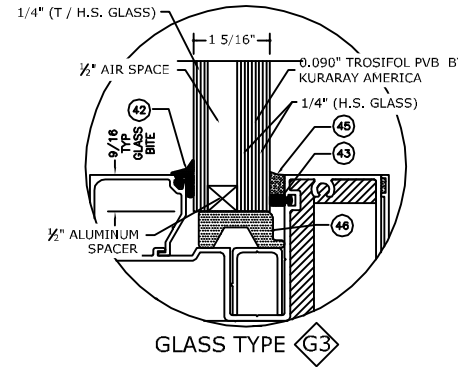
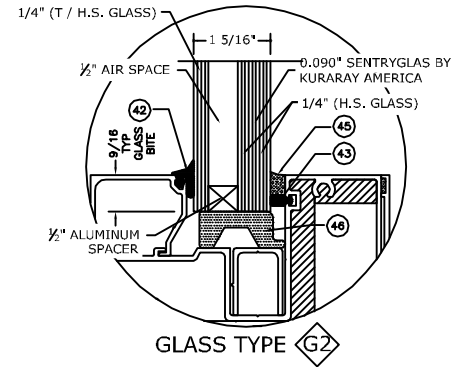
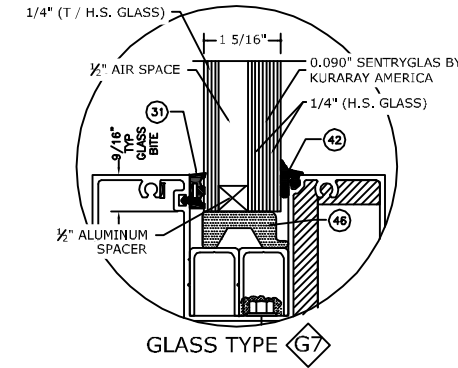
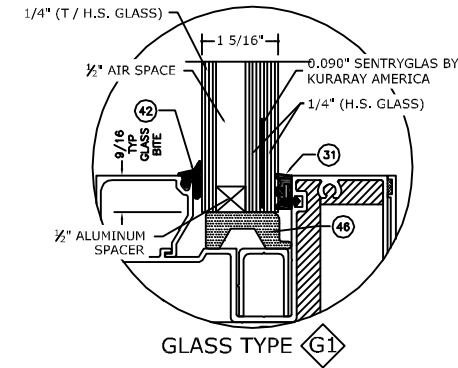
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# GLASS LOADING TABLES (L.M.I.)

GLASS TYPES		G1 G7		G2		G3		G4		G5	
		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
126	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	55	55	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	75	75	75	75	-	-	-	-	90	90
	46	-	-	-	-	-	-	-	-	90	90
	48	-	-	-	-	-	-	-	-	90	90
132	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	-	-	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	-	-	-	-	-	-	-	-	90	90
	46	-	-	-	-	-	-	-	-	90	90
	48	-	-	-	-	-	-	-	-	90	90
144	24	75	75	75	75	55	55	70	80	90	90
	30	75	75	75	75	-	-	70	80	90	90
	36	75	75	75	75	-	-	-	-	90	90
	42	-	-	-	-	-	-	-	-	90	90



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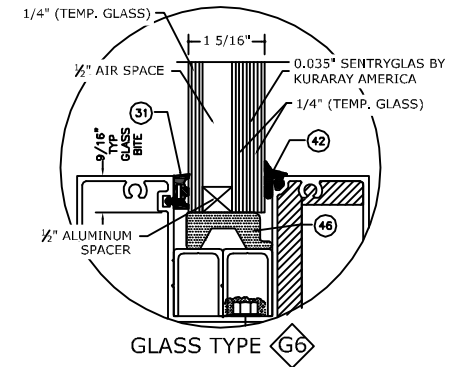
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# GLASS LOADING TABLES (S.M.I.)

GLASS TYPES		G6		
		ALLOWABLE PRESSURE		
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	
24	24	60	60	
	30	60	60	
	36	60	60	
	42	60	60	
	46	60	60	
	48	60	60	
	54	60	60	
	57 1/2	60	60	
	60	60	60	
	66	60	60	
	72	60	60	
	78	60	60	
	30	24	60	60
		30	60	60
36		60	60	
42		60	60	
46		60	60	
48		60	60	
54		60	60	
57 1/2		60	60	
60		60	60	
66		60	60	
72		60	60	
78		60	60	
36		24	60	60
		30	60	60
	36	60	60	
	42	60	60	
	46	60	60	
	48	60	60	
	54	60	60	
	57 1/2	60	60	
	60	60	60	
	66	60	60	
	72	60	60	
	78	60	60	
	40.5	24	60	60
		30	60	60
36		60	60	
42		60	60	
46		60	60	
48		60	60	
54		60	60	
57 1/2		60	60	
60		60	60	
66		60	60	
72		60	60	
78		60	60	

GLASS TYPES		G6		
		ALLOWABLE PRESSURE		
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	
42	24	60	60	
	30	60	60	
	36	60	60	
	42	60	60	
	46	60	60	
	48	60	60	
	54	60	60	
	57 1/2	60	60	
	60	60	60	
	66	60	60	
	72	60	60	
	78	60	60	
	48	24	60	60
		30	60	60
36		60	60	
42		60	60	
46		59	59	
48		57	57	
54		57	57	
57 1/2		57	57	
60		57	57	
66		57	57	
72		57	57	
78		57	57	
54		24	60	60
		30	60	60
	36	60	60	
	42	60	60	
	46	59	59	
	48	57	57	
	54	51	51	
	57 1/2	51	51	
	60	51	51	
	66	51	51	
	72	51	51	
	78	51	51	
	60	24	60	60
		30	60	60
36		60	60	
42		60	60	
46		59	59	
48		57	57	
54		51	51	
57 1/2		47	47	
60		45	45	
66		45	45	
72		45	45	

GLASS TYPES		G6		
		ALLOWABLE PRESSURE		
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F	
66	24	60	60	
	30	60	60	
	36	60	60	
	42	60	60	
	46	59	59	
	48	57	57	
	54	51	51	
	57 1/2	47	47	
	60	45	45	
	66	41	41	
	72	24	60	60
		30	60	60
		42	60	60
		46	59	59
48		57	57	
54		51	51	
57 1/2		47	47	
60		45	45	
78	24	60	60	
	30	60	60	
	36	60	60	
	42	60	60	
	46	59	59	
	48	57	57	
	54	51	51	
	57 1/2	47	47	
83	24	60	60	
	30	60	60	
	36	60	60	
	42	60	60	
	46	59	59	
	48	57	57	
	54	51	51	



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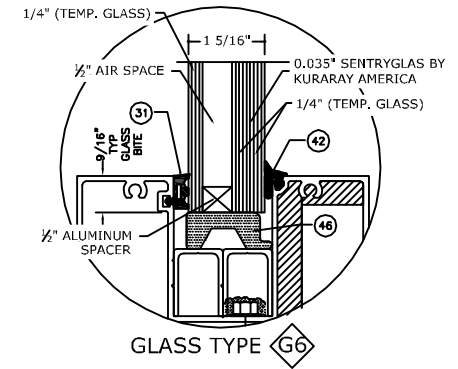
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10 OF 40

# GLASS LOADING TABLES (S.M.I.)

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
96	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	59	59
101	24	60	60
	30	60	60
	36	60	60
	42	60	60
	46	60	60
108	24	60	60
	30	60	60
	36	60	60
	42	60	60
115	24	60	60
	30	60	60
	36	60	60

GLASS TYPES		G6	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) P.S.F	(-) P.S.F
120	24	60	60
	30	60	60
	36	60	60
126	24	60	60
	30	60	60
	36	60	60
132	24	60	60
	30	60	60
144	24	60	60
	30	60	60



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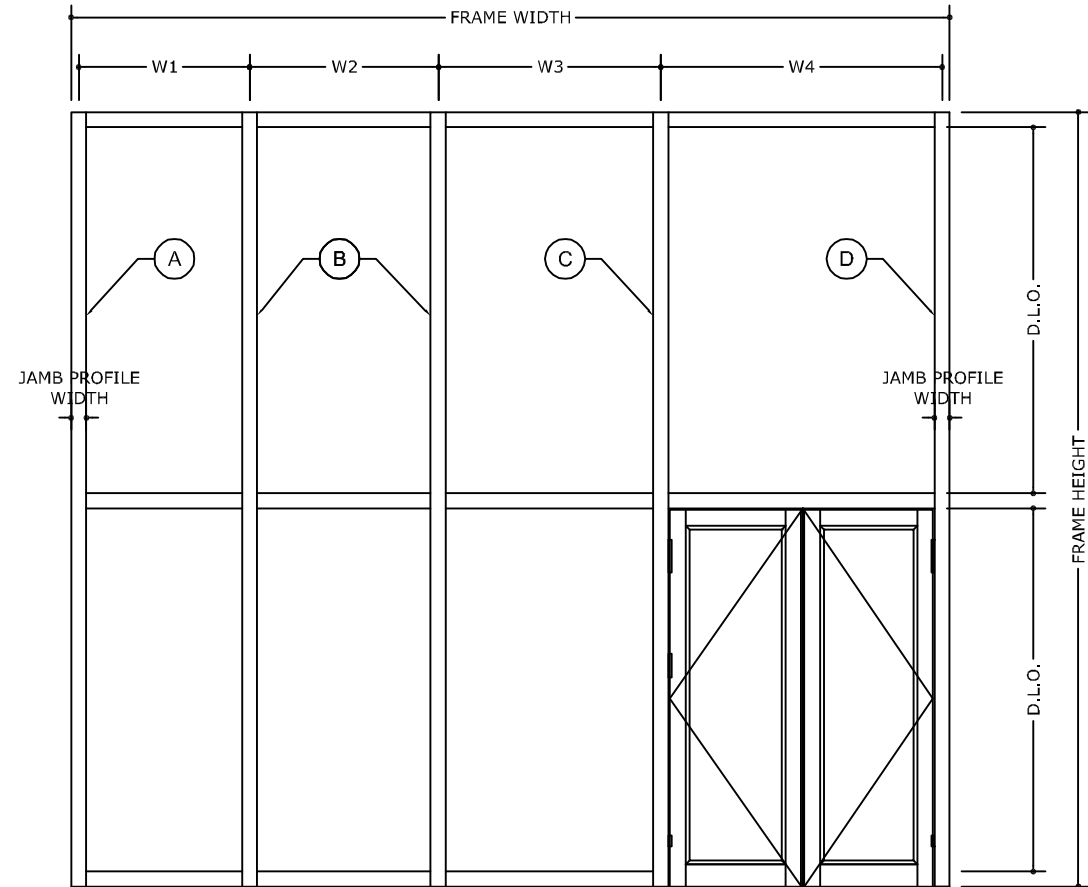
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## MULLION & JAMB LOAD DETERMINATION



### LOAD DETERMINATION

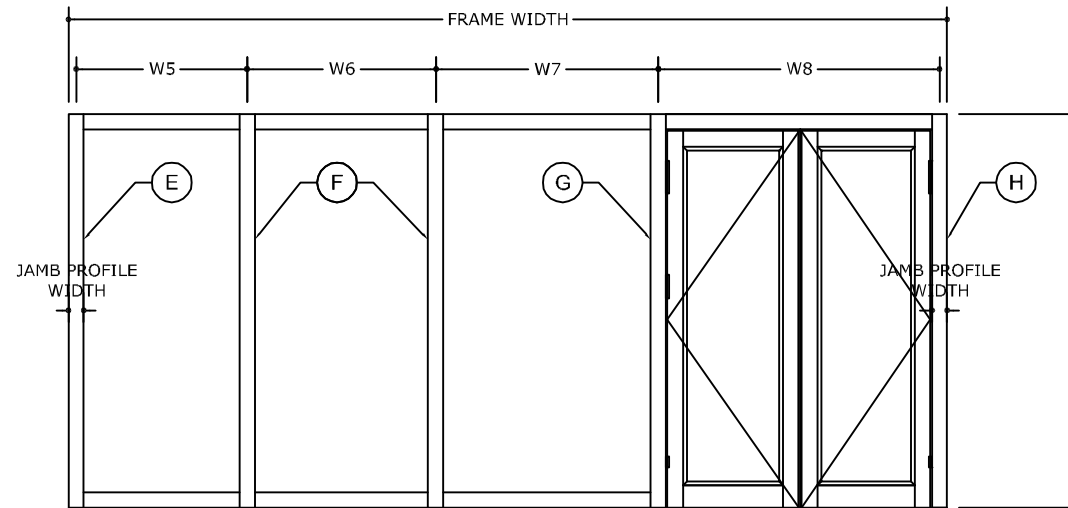
TRIBUTARY WIDTH A =  $\frac{W1}{2} + 1/2"$  JAMB PROFILE WIDTH  
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH B = LARGER OF  $\frac{W1 + W2}{2}$  OR  $\frac{W2 + W3}{2}$   
(FOR STANDARD MULLION)

TRIBUTARY WIDTH C =  $\frac{W3 + W4}{2}$   
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH D =  $\frac{W4}{2} + 1/2"$  JAMB PROFILE WIDTH  
(FOR DOOR JAMB MULLION)

(A)	(E)	(I)	JAMB MULLION
(B)	(F)		STANDARD MULLION
(C)	(G)		DOOR JAMB INTERMEDIATE MULLION
(D)	(H)		DOOR JAMB MULLION



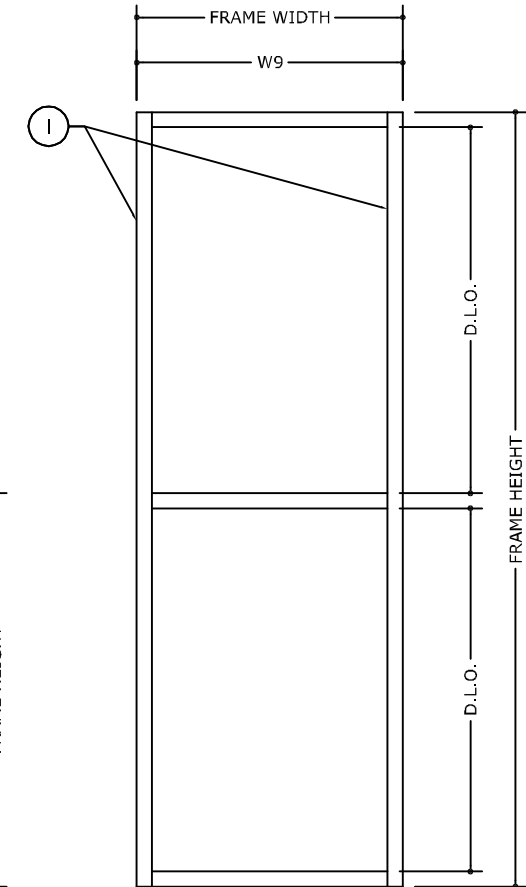
### LOAD DETERMINATION

TRIBUTARY WIDTH E =  $\frac{W5}{2} + 1/2"$  JAMB PROFILE WIDTH  
(FOR STANDARD JAMB MULLION)

TRIBUTARY WIDTH F = LARGER OF  $\frac{W5 + W6}{2}$  OR  $\frac{W6 + W7}{2}$   
(FOR STANDARD MULLION)

TRIBUTARY WIDTH G =  $\frac{W7 + W8}{2}$   
(FOR INTERMEDIATE DOOR MULLION)

TRIBUTARY WIDTH H =  $\frac{W8}{4} + 1/2"$  JAMB PROFILE WIDTH  
(FOR DOOR JAMB MULLION)



### LOAD DETERMINATION

TRIBUTARY WIDTH I =  $\frac{W9}{2}$   
(FOR STANDARD JAMB MULLION)

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# MULLION LOADING TABLES (P.S.F.)

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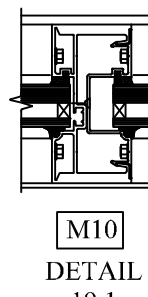
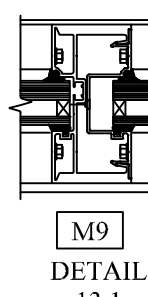
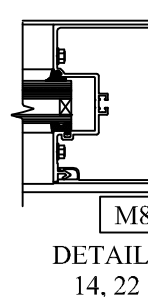
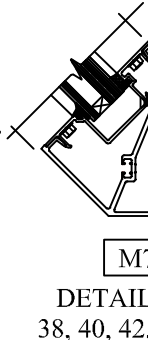
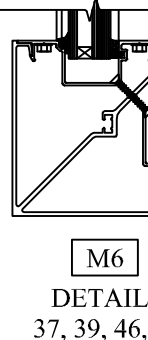
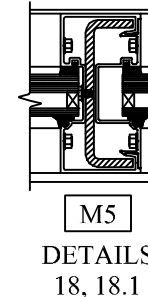
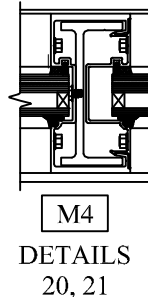
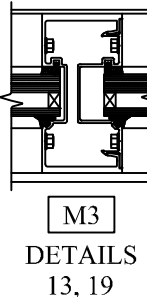
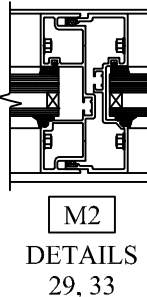
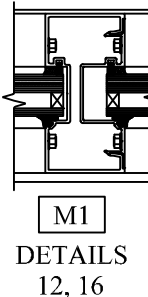
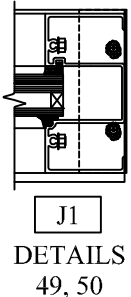
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SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1		MULLION TYPE M2		MULLION TYPE M3		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
66	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75	
72	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75	
78	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75	
84	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	-	-	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75	

SINGLE SPAN JAMB LOADING CHART		MULLION TYPE J1		
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	
36	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	54	90	90	
	60	90	90	
	66	90	90	
	72	90	90	
48	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	54	90	90	
	60	90	90	
	66	90	90	
	72	90	90	
50	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	60	90	90	
	66	90	90	
	72	90	90	
	78	90	90	
54	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	60	90	90	
	66	90	90	
	72	90	90	
	78	90	90	
60	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	60	90	90	
	66	90	90	
	72	90	90	
	78	90	90	
64	24	90	90	
	30	90	90	
	36	90	90	
	42	90	90	
	44.75	90	90	
	48	90	90	
	64	90	90	
	72	90	90	
	78	90	90	
	66	24	90	90
30		90	90	
36		86	86	
42		90	90	
44.75		90	90	
48		90	90	
66		90	90	
72		87	87	
78		77	77	
72		24	90	90
	30	87	87	
	36	77	77	
	42	90	90	
	44.75	90	90	
	48	90	90	
	72	90	90	
	78	90	90	
	78	24	90	90
		30	90	90
36		90	90	
42		90	90	
44.75		90	90	
48		90	90	
78		90	90	
78		90	90	
78		90	90	
78		90	90	

NOTE: 1-FRAME WIDTHS = FRAME TRIBUTARY WIDTH 2-SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

• APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY  
• JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 12 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



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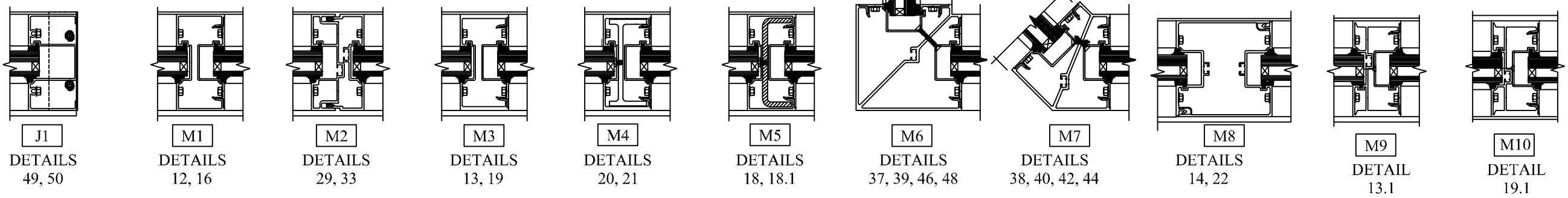
# MULLION LOADING TABLES (P.S.F.)

SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M1		MULLION TYPE M2		MULLION TYPE M3		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
89	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	80	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	66	75	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	63	72	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
78	-	-	-	-	70	80	-	-	90	90	-	-	-	-	-	-	75	75	
96	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	69	79	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	63	72	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	58	67	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	66	55	62	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	72	-	-	-	-	69	78	55	55	90	90	70	80	-	-	55	55	75	75
78	-	-	-	-	-	-	-	-	-	90	90	-	-	-	-	-	-	75	75
102	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	68	78	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	64	74	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	61	69	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	54	55	63	-	-	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	60	51	58	-	-	68	78	55	55	90	90	70	80	70	70	55	55	75	75
	66	-	-	-	-	63	73	55	55	90	90	70	80	70	70	55	55	75	75
	72	-	-	-	-	-	-	-	-	-	90	90	-	-	-	-	-	-	75
78	-	-	-	-	-	-	-	-	-	87	90	-	-	-	-	-	-	-	-
108	24	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	80	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	69	79	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	60	69	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	57	65	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	53	61	70	70	70	79	55	55	90	90	70	80	70	70	55	55	75	75
	54	48	55	70	70	65	72	55	55	90	90	70	80	70	70	55	55	75	75
	60	44	51	70	70	60	66	55	55	90	90	70	80	70	70	55	55	75	75
	66	-	-	-	-	56	62	-	-	86	90	-	-	-	-	-	-	75	75
	72	-	-	-	-	-	-	-	-	-	82	90	-	-	-	-	-	75	75
78	-	-	-	-	-	-	-	-	-	79	90	-	-	-	-	-	-	-	-

SINGLE SPAN JAMB LOADING CHART		MULLION TYPE J1	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F
84	24	86	86
	30	90	90
89	24	81	81
96	24	74	74
102	24	69	69
108	24	65	65

NOTE: 1-FRAME WIDTHS = FRAME TRIBUTARY WIDTH 2-SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

- APPLICABLE FOR UN-ANCHORED JAMB CONDITION ONLY
- JAMB TRIBUTARY SHALL BE DETERMINED PER SHEET 12 FOR SINGLE UNIT OR MULTI-UNITS STOREFRONT



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**14**

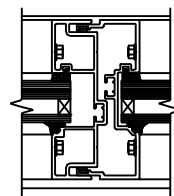
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## MULLION LOADING TABLES (P.S.F.)

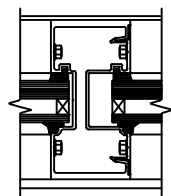
SINGLE SPAN MULLION LOADING CHART		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE		MULLION TYPE	
		<b>M2</b>		<b>M3</b>		<b>M4</b>		<b>M5</b>		<b>M6</b>		<b>M7</b>		<b>M8</b>		<b>M9 - M10</b>	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
109	24	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	30	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	36	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	42	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	44.75	70	70	70	80	55	55	90	90	70	80	70	70	55	55	75	75
	48	70	70	70	79	55	55	90	90	70	80	70	70	55	55	75	75
	54	70	70	65	72	55	55	90	90	70	80	70	70	55	55	75	75
	60	70	70	60	66	55	55	90	90	70	80	70	70	55	55	75	75
	66	-	-	56	62	-	-	86	90	-	-	-	-	-	-	74	74
	72	-	-	-	-	-	-	82	90	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	79	90	-	-	-	-	-	-	-	-	
114	24	-	-	70	80	55	55	90	90	70	80	-	-	55	55	75	75
	30	-	-	70	80	55	55	90	90	70	80	-	-	55	55	75	75
	36	-	-	70	80	55	55	90	90	70	80	-	-	55	55	75	75
	42	-	-	70	75	55	55	90	90	70	80	-	-	55	55	75	75
	44.75	-	-	68	71	55	55	90	90	70	80	-	-	55	55	75	75
	48	-	-	64	67	55	55	90	90	70	80	-	-	55	55	75	75
	54	-	-	58	61	55	55	90	90	70	80	-	-	55	55	75	75
	60	-	-	53	56	55	55	85	90	70	80	-	-	55	55	73	73
	66	-	-	-	-	-	-	80	90	-	-	-	-	-	-	69	69
	72	-	-	-	-	-	-	76	87	-	-	-	-	-	-	-	-
120	24	-	-	70	80	55	55	90	90	70	80	-	-	55	55	75	75
	30	-	-	70	80	55	55	90	90	70	80	-	-	55	55	75	75
	36	-	-	70	74	55	55	90	90	70	80	-	-	55	55	75	75
	42	-	-	65	64	55	55	90	90	70	80	-	-	55	55	75	75
	44.75	-	-	61	60	55	55	90	90	70	80	-	-	55	55	75	75
	48	-	-	57	57	55	55	90	90	70	80	-	-	55	55	75	75
	54	-	-	52	51	55	55	85	90	70	80	-	-	55	55	70	70
	60	-	-	47	47	-	-	79	90	70	80	-	-	-	-	68	68
	66	-	-	-	-	-	-	74	85	-	-	-	-	-	-	-	-
	72	-	-	-	-	-	-	71	81	-	-	-	-	-	-	-	-
126	24	-	-	-	-	55	55	90	90	70	80	-	-	55	55	75	75
	30	-	-	-	-	55	55	90	90	70	80	-	-	55	55	75	75
	36	-	-	-	-	55	55	90	90	70	80	-	-	55	55	75	75
	42	-	-	-	-	55	55	90	90	70	80	-	-	55	55	75	75
	44.75	-	-	-	-	55	55	90	90	70	80	-	-	55	55	75	75
	48	-	-	-	-	55	55	87	90	70	80	-	-	55	55	68	68
	54	-	-	-	-	55	55	80	90	70	78	-	-	55	55	62	62
	60	-	-	-	-	-	-	73	84	-	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	68	78	-	-	-	-	-	-	-	-

NOTE: FRAME WIDTHS = FRAME TRIBUTARY WIDTH

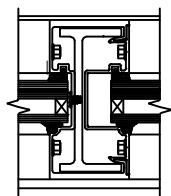
NOTE: SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)



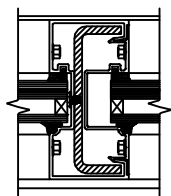
**M2**  
DETAILS  
29, 33



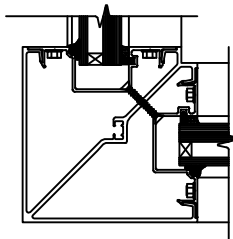
**M3**  
DETAILS  
13, 19



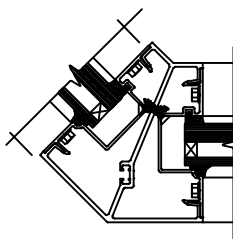
**M4**  
DETAILS  
20, 21



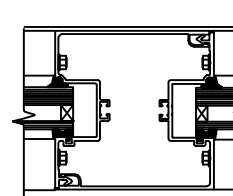
**M5**  
DETAILS  
18, 18.1



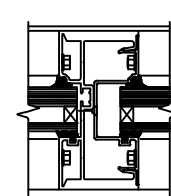
**M6**  
DETAILS  
37, 39, 46, 48



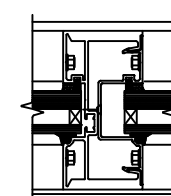
**M7**  
DETAILS  
38, 40, 42, 44



**M8**  
DETAILS  
14, 22



**M9**  
DETAIL  
13.1



**M10**  
DETAIL  
19.1

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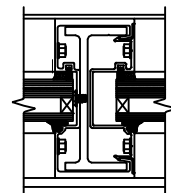
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# MULLION LOADING TABLES (P.S.F.)

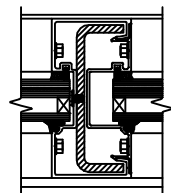
SINGLE SPAN MULLION LOADING CHART		MULLION TYPE M4		MULLION TYPE M5		MULLION TYPE M6		MULLION TYPE M7		MULLION TYPE M8		MULLION TYPE M9 - M10	
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+) P.S.F.	(-) P.S.F.	(+) P.S.F.	(-) P.S.F.	(+) P.S.F.	(-) P.S.F.	(+) P.S.F.	(-) P.S.F.	(+) P.S.F.	(-) P.S.F.	(+) P.S.F.	(-) P.S.F.
132	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	90	90	70	80	-	-	55	55	75	75
	42	55	55	90	90	70	80	-	-	55	55	75	75
	44.75	55	55	86	90	70	80	-	-	55	55	73	73
	48	55	55	81	90	70	75	-	-	55	55	69	69
	54	-	-	73	83	-	-	-	-	-	-	62	62
	60	-	-	66	76	-	-	-	-	-	-	-	-
66	-	-	61	70	-	-	-	-	-	-	-	-	
138	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	90	90	70	80	-	-	55	55	75	75
	42	55	55	84	90	70	80	-	-	55	55	70	70
	44.75	55	55	79	90	70	74	-	-	55	55	66	66
	48	55	55	74	84	65	65	-	-	55	55	62	62
	54	-	-	66	76	-	-	-	-	-	-	56	56
	60	-	-	60	69	-	-	-	-	-	-	-	-
144	24	55	55	90	90	70	80	-	-	55	55	75	75
	30	55	55	90	90	70	80	-	-	55	55	75	75
	36	55	55	89	90	70	75	-	-	55	55	71	71
	42	55	55	76	87	65	65	-	-	55	55	62	62
	44.75	55	55	72	82	61	61	-	-	55	55	58	58
	48	55	55	67	77	57	57	-	-	55	55	54	54
	54	-	-	61	69	-	-	-	-	-	-	49	49
	60	-	-	55	63	-	-	-	-	-	-	-	-
146	24	-	-	-	-	-	-	-	-	-	-	75	75
	30	-	-	-	-	-	-	-	-	-	-	75	75
	36	-	-	-	-	-	-	-	-	-	-	68	68
	42	-	-	-	-	-	-	-	-	-	-	59	59
	44.75	-	-	-	-	-	-	-	-	-	-	56	56
	48	-	-	-	-	-	-	-	-	-	-	52	52

NOTE: FRAME WIDTHS = FRAME TRIBUTARY WIDTH

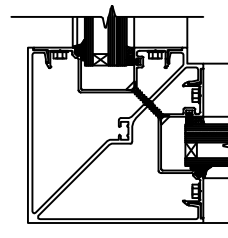
NOTE: SPANS NOT IN THIS TABLE CAN BE ADDED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)



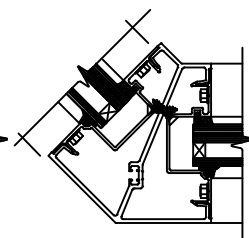
M4  
DETAILS  
20, 21



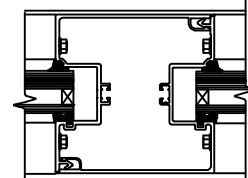
M5  
DETAILS  
18, 18.1



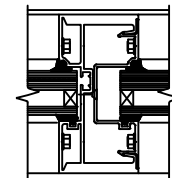
M6  
DETAILS  
37, 39, 46, 48



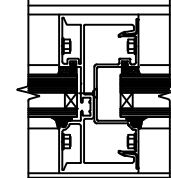
M7  
DETAILS  
38, 40, 42, 44



M8  
DETAILS  
14, 22



M9  
DETAIL  
13.1



M10  
DETAIL  
19.1



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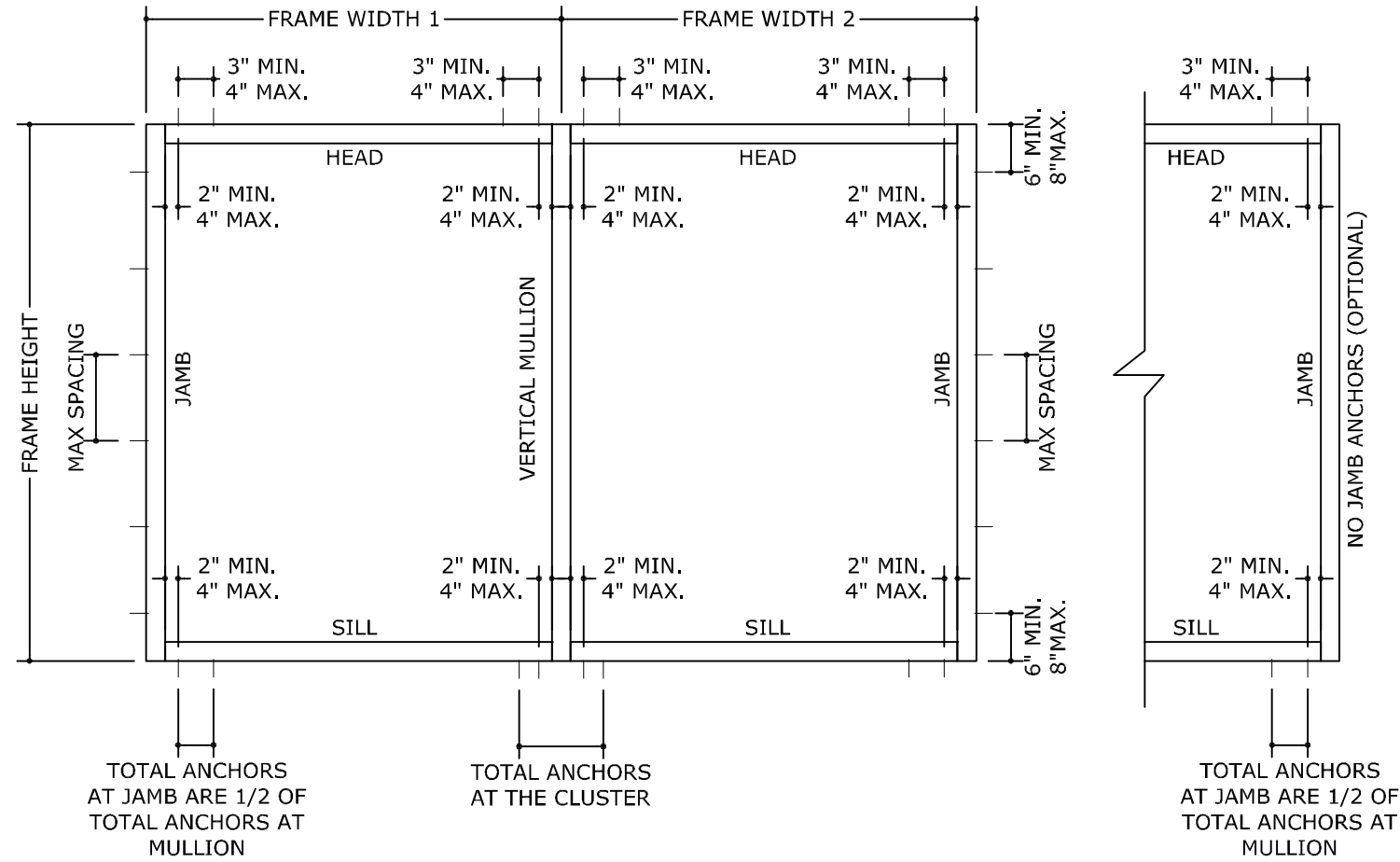
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# FASTENER SCHEDULE



FASTENER SCHEDULE							
ANCHOR TYPE	ANCHOR DIAMETER	TYPE	MANUFACTURER	SUBSTRATE	MIN EMBEDMENT (IN)	MIN EDGE DISTANCE (IN)	SPACING (IN)
A	1/4"	ULTRACON+ ANCHOR	DEWALT	POURED CONCRETE 3000 PSI MIN	1-3/4	2-1/2	3" MIN. 4" MAX.
B	1/4"-14	DRIL-FLEX HEX WASHER HEAD SELF DRILLING SCREW	DEWALT	16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL	FULL	1-1/2	3" MIN. 4" MAX.
				1/8" STEEL-A36			
C	1/4"	ULTRACON ANCHOR OR LAG SCREW	DEWALT	2X WOOD BUCK G=0.55	1-1/2	1-1/2	3" MIN. 4" MAX.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A							
		2		4		6		8	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	36	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	48	75	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	60	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	50	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	78	46	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
48	24	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	36	75	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	56	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	60	45	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	37	24"O.C.	75	24"O.C.	90	16"O.C.	90	16"O.C.
	78	34	24"O.C.	69	24"O.C.	90	16"O.C.	90	16"O.C.
60	24	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	36	60	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	45	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	60	36	30"O.C.	72	30"O.C.	90	20"O.C.	90	20"O.C.
	72	30	30"O.C.	60	30"O.C.	90	20"O.C.	90	20"O.C.
	78	27	30"O.C.	55	30"O.C.	83	20"O.C.	90	15"O.C.
72	24	75	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	50	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	37	36"O.C.	75	36"O.C.	90	24"O.C.	90	24"O.C.
	60	30	36"O.C.	60	36"O.C.	90	24"O.C.	90	24"O.C.
	72	25	36"O.C.	50	36"O.C.	75	24"O.C.	90	18"O.C.
	78	23	36"O.C.	46	36"O.C.	69	24"O.C.	90	18"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	64	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	42	42"O.C.	85	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	48	32	42"O.C.	64	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	60	25	42"O.C.	51	42"O.C.	77	28"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.
	72	21	42"O.C.	42	42"O.C.	64	28"O.C.	85	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
	78	19	42"O.C.	39	42"O.C.	59	28"O.C.	79	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
96	24	56	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	37	48"O.C.	75	48"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.
	48	28	48"O.C.	56	48"O.C.	84	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	60	22	48"O.C.	45	48"O.C.	67	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	18	48"O.C.	37	48"O.C.	56	32"O.C.	75	24"O.C.	90	19"O.C.	90	19"O.C.	90	19"O.C.
	78	17	48"O.C.	34	48"O.C.	51	32"O.C.	69	24"O.C.	86	19"O.C.	90	16"O.C.	90	16"O.C.
108	24	50	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.	90	54"O.C.
	36	33	54"O.C.	66	54"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	25	54"O.C.	50	54"O.C.	75	36"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.
	60	20	54"O.C.	40	54"O.C.	60	36"O.C.	80	27"O.C.	90	22"O.C.	90	22"O.C.	90	22"O.C.
	72	16	54"O.C.	33	54"O.C.	50	36"O.C.	66	27"O.C.	83	22"O.C.	90	18"O.C.	90	18"O.C.
	78	15	54"O.C.	30	54"O.C.	46	36"O.C.	61	27"O.C.	76	22"O.C.	90	18"O.C.	90	18"O.C.
120	24	45	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.	90	60"O.C.
	36	30	60"O.C.	60	60"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.
	48	22	60"O.C.	45	60"O.C.	67	40"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	60	18	60"O.C.	36	60"O.C.	54	40"O.C.	72	30"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	72	15	60"O.C.	30	60"O.C.	45	40"O.C.	60	30"O.C.	75	24"O.C.	90	20"O.C.	90	20"O.C.
	78	13	60"O.C.	27	60"O.C.	41	40"O.C.	55	30"O.C.	69	24"O.C.	83	20"O.C.	90	17"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	40	66"O.C.	81	66"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.
	36	27	66"O.C.	54	66"O.C.	81	44"O.C.	90	33"O.C.	90	33"O.C.	90	33"O.C.	90	33"O.C.
	48	20	66"O.C.	40	66"O.C.	61	44"O.C.	81	33"O.C.	90	26"O.C.	90	26"O.C.	90	26"O.C.
	60	16	66"O.C.	32	66"O.C.	49	44"O.C.	65	33"O.C.	81	26"O.C.	90	22"O.C.	90	22"O.C.
	72	13	66"O.C.	27	66"O.C.	40	44"O.C.	54	33"O.C.	68	26"O.C.	81	22"O.C.	90	19"O.C.
	78	12	66"O.C.	25	66"O.C.	37	44"O.C.	50	33"O.C.	62	26"O.C.	75	22"O.C.	90	17"O.C.
144	24	37	72"O.C.	75	72"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	25	72"O.C.	50	72"O.C.	75	48"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	48	18	72"O.C.	37	72"O.C.	56	48"O.C.	75	36"O.C.	90	29"O.C.	90	29"O.C.	90	29"O.C.
	60	15	72"O.C.	30	72"O.C.	45	48"O.C.	60	36"O.C.	75	29"O.C.	90	24"O.C.	90	24"O.C.
	72	12	72"O.C.	25	72"O.C.	37	48"O.C.	50	36"O.C.	62	29"O.C.	75	24"O.C.	90	18"O.C.
	78	11	72"O.C.	23	72"O.C.	34	48"O.C.	46	36"O.C.	57	29"O.C.	69	24"O.C.	90	18"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B			
		2		4	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.
	36	90	18"O.C.	90	18"O.C.
	48	90	18"O.C.	90	18"O.C.
	60	90	18"O.C.	90	18"O.C.
	72	90	18"O.C.	90	18"O.C.
	78	90	18"O.C.	90	18"O.C.
48	24	90	24"O.C.	90	24"O.C.
	36	90	24"O.C.	90	24"O.C.
	48	90	24"O.C.	90	24"O.C.
	60	90	24"O.C.	90	24"O.C.
	72	83	24"O.C.	90	24"O.C.
	78	76	24"O.C.	90	24"O.C.
60	24	90	30"O.C.	90	30"O.C.
	36	90	30"O.C.	90	30"O.C.
	48	90	30"O.C.	90	30"O.C.
	60	80	30"O.C.	90	30"O.C.
	72	66	30"O.C.	90	30"O.C.
	78	61	30"O.C.	90	30"O.C.
72	24	90	36"O.C.	90	36"O.C.
	36	90	36"O.C.	90	36"O.C.
	48	83	36"O.C.	90	36"O.C.
	60	66	36"O.C.	90	36"O.C.
	72	55	36"O.C.	90	36"O.C.
	78	51	36"O.C.	90	36"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B					
		2		4		6	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	90	42"O.C.	90	42"O.C.	90	42"O.C.
	48	71	42"O.C.	90	42"O.C.	90	42"O.C.
	60	57	42"O.C.	90	42"O.C.	90	42"O.C.
	72	47	42"O.C.	90	42"O.C.	90	42"O.C.
	78	43	42"O.C.	87	42"O.C.	90	28"O.C.
96	24	90	48"O.C.	90	48"O.C.	90	48"O.C.
	36	83	48"O.C.	90	48"O.C.	90	48"O.C.
	48	62	48"O.C.	90	48"O.C.	90	48"O.C.
	60	50	48"O.C.	90	48"O.C.	90	48"O.C.
	72	41	48"O.C.	83	48"O.C.	90	32"O.C.
	78	38	48"O.C.	76	48"O.C.	90	32"O.C.
108	24	90	54"O.C.	90	54"O.C.	90	54"O.C.
	36	74	54"O.C.	90	54"O.C.	90	54"O.C.
	48	55	54"O.C.	90	54"O.C.	90	54"O.C.
	60	44	54"O.C.	88	54"O.C.	90	36"O.C.
	72	37	54"O.C.	74	54"O.C.	90	36"O.C.
	78	34	54"O.C.	68	54"O.C.	90	36"O.C.
120	24	90	60"O.C.	90	60"O.C.	90	60"O.C.
	36	66	60"O.C.	90	60"O.C.	90	60"O.C.
	48	50	60"O.C.	90	60"O.C.	90	60"O.C.
	60	40	60"O.C.	80	60"O.C.	90	40"O.C.
	72	33	60"O.C.	66	60"O.C.	90	40"O.C.
	78	30	60"O.C.	61	60"O.C.	90	40"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B							
		2		4		6		8	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	90	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	36	60	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	48	45	66"O.C.	90	66"O.C.	90	66"O.C.	90	66"O.C.
	60	36	66"O.C.	72	66"O.C.	90	44"O.C.	90	44"O.C.
	72	30	66"O.C.	60	66"O.C.	90	44"O.C.	90	44"O.C.
	78	27	66"O.C.	55	66"O.C.	83	44"O.C.	90	33"O.C.
144	24	83	72"O.C.	90	72"O.C.	90	72"O.C.	90	72"O.C.
	36	55	72"O.C.	90	72"O.C.	90	72"O.C.	90	72"O.C.
	48	41	72"O.C.	83	72"O.C.	90	48"O.C.	90	48"O.C.
	60	33	72"O.C.	66	72"O.C.	90	48"O.C.	90	48"O.C.
	72	27	72"O.C.	55	72"O.C.	83	48"O.C.	90	36"O.C.
	78	25	72"O.C.	51	72"O.C.	76	48"O.C.	90	36"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C											
		2		4		6		8		10		12	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
36	24	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	36	75	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	48	56	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	45	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	37	18"O.C.	75	18"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
	78	34	18"O.C.	69	18"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
48	24	85	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	36	56	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	42	24"O.C.	85	24"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.
	60	34	24"O.C.	68	24"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.	90	16"O.C.
	72	28	24"O.C.	56	24"O.C.	85	16"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
	78	26	24"O.C.	52	24"O.C.	78	16"O.C.	90	12"O.C.	90	12"O.C.	90	12"O.C.
60	24	68	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	36	45	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	34	30"O.C.	68	30"O.C.	90	20"O.C.	90	20"O.C.	90	20"O.C.	90	20"O.C.
	60	27	30"O.C.	54	30"O.C.	81	20"O.C.	90	15"O.C.	90	15"O.C.	90	15"O.C.
	72	22	30"O.C.	45	30"O.C.	68	20"O.C.	90	15"O.C.	90	15"O.C.	90	15"O.C.
	78	20	30"O.C.	41	30"O.C.	62	20"O.C.	83	15"O.C.	90	12"O.C.	90	12"O.C.
72	24	56	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	37	36"O.C.	75	36"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	28	36"O.C.	56	36"O.C.	85	24"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	60	22	36"O.C.	45	36"O.C.	68	24"O.C.	90	18"O.C.	90	18"O.C.	90	18"O.C.
	72	18	36"O.C.	37	36"O.C.	56	24"O.C.	75	18"O.C.	90	14"O.C.	90	14"O.C.
	78	17	36"O.C.	34	36"O.C.	52	24"O.C.	69	18"O.C.	87	14"O.C.	90	12"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
84	24	48	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.	90	42"O.C.
	36	32	42"O.C.	64	42"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.	90	28"O.C.
	48	24	42"O.C.	48	42"O.C.	72	28"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.	90	21"O.C.
	60	19	42"O.C.	38	42"O.C.	58	28"O.C.	77	21"O.C.	90	17"O.C.	90	17"O.C.	90	17"O.C.
	72	16	42"O.C.	32	42"O.C.	48	28"O.C.	64	21"O.C.	80	17"O.C.	90	14"O.C.	90	14"O.C.
	78	14	42"O.C.	29	42"O.C.	44	28"O.C.	59	21"O.C.	74	17"O.C.	89	14"O.C.	90	12"O.C.
96	24	42	48"O.C.	85	48"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.	90	32"O.C.
	36	28	48"O.C.	56	48"O.C.	85	32"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.	90	24"O.C.
	48	21	48"O.C.	42	48"O.C.	63	32"O.C.	85	24"O.C.	90	19"O.C.	90	19"O.C.	90	19"O.C.
	60	17	48"O.C.	34	48"O.C.	51	32"O.C.	68	24"O.C.	85	19"O.C.	90	16"O.C.	90	16"O.C.
	72	14	48"O.C.	28	48"O.C.	42	32"O.C.	56	24"O.C.	70	19"O.C.	85	16"O.C.	90	14"O.C.
	78	13	48"O.C.	26	48"O.C.	39	32"O.C.	52	24"O.C.	65	19"O.C.	78	16"O.C.	90	14"O.C.
108	24	37	54"O.C.	75	54"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	25	54"O.C.	50	54"O.C.	75	36"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.	90	27"O.C.
	48	18	54"O.C.	37	54"O.C.	56	36"O.C.	75	27"O.C.	90	22"O.C.	90	22"O.C.	90	22"O.C.
	60	15	54"O.C.	30	54"O.C.	45	36"O.C.	60	27"O.C.	75	22"O.C.	90	18"O.C.	90	18"O.C.
	72	12	54"O.C.	25	54"O.C.	37	36"O.C.	50	27"O.C.	62	22"O.C.	75	18"O.C.	90	14"O.C.
	78	11	54"O.C.	23	54"O.C.	34	36"O.C.	46	27"O.C.	58	22"O.C.	69	18"O.C.	90	14"O.C.
120	24	34	60"O.C.	68	60"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.	90	40"O.C.
	36	22	60"O.C.	45	60"O.C.	68	40"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.	90	30"O.C.
	48	17	60"O.C.	34	60"O.C.	51	40"O.C.	68	30"O.C.	85	24"O.C.	90	20"O.C.	90	20"O.C.
	60	13	60"O.C.	27	60"O.C.	40	40"O.C.	54	30"O.C.	68	24"O.C.	81	20"O.C.	90	17"O.C.
	72	11	60"O.C.	22	60"O.C.	34	40"O.C.	45	30"O.C.	56	24"O.C.	68	20"O.C.	90	15"O.C.
	78	10	60"O.C.	20	60"O.C.	31	40"O.C.	41	30"O.C.	52	24"O.C.	62	20"O.C.	83	15"O.C.

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# MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD, SILL AND JAMB CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (IN)	TRIBUTARY WIDTH (IN)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C													
		2		4		6		8		10		12		16	
		MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)	MAX PRESSURE (PSF)	JAMBS MAX ANCHOR SPACING (IN)
132	24	30	66"O.C.	61	66"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.	90	44"O.C.
	36	20	66"O.C.	41	66"O.C.	61	44"O.C.	82	33"O.C.	90	26"O.C.	90	26"O.C.	90	26"O.C.
	48	15	66"O.C.	30	66"O.C.	46	44"O.C.	61	33"O.C.	77	26"O.C.	90	22"O.C.	90	22"O.C.
	60	12	66"O.C.	24	66"O.C.	37	44"O.C.	49	33"O.C.	61	26"O.C.	74	22"O.C.	90	17"O.C.
	72	10	66"O.C.	20	66"O.C.	30	44"O.C.	41	33"O.C.	51	26"O.C.	61	22"O.C.	82	17"O.C.
	78	9	66"O.C.	19	66"O.C.	28	44"O.C.	38	33"O.C.	47	26"O.C.	57	22"O.C.	76	17"O.C.
144	24	28	72"O.C.	56	72"O.C.	85	48"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.	90	36"O.C.
	36	18	72"O.C.	37	72"O.C.	56	48"O.C.	75	36"O.C.	90	29"O.C.	90	29"O.C.	90	29"O.C.
	48	14	72"O.C.	28	72"O.C.	42	48"O.C.	56	36"O.C.	70	29"O.C.	85	24"O.C.	90	21"O.C.
	60	11	72"O.C.	22	72"O.C.	34	48"O.C.	45	36"O.C.	56	29"O.C.	68	24"O.C.	90	18"O.C.
	72	9	72"O.C.	18	72"O.C.	28	48"O.C.	37	36"O.C.	47	29"O.C.	56	24"O.C.	75	18"O.C.
	78	8	72"O.C.	17	72"O.C.	26	48"O.C.	34	36"O.C.	43	29"O.C.	52	24"O.C.	69	18"O.C.

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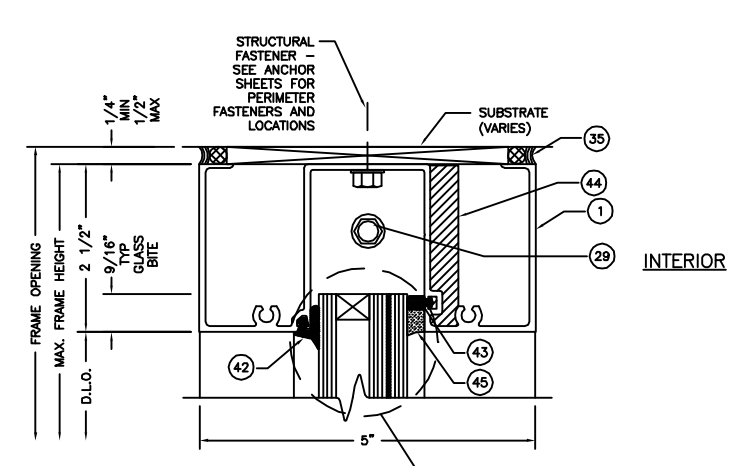
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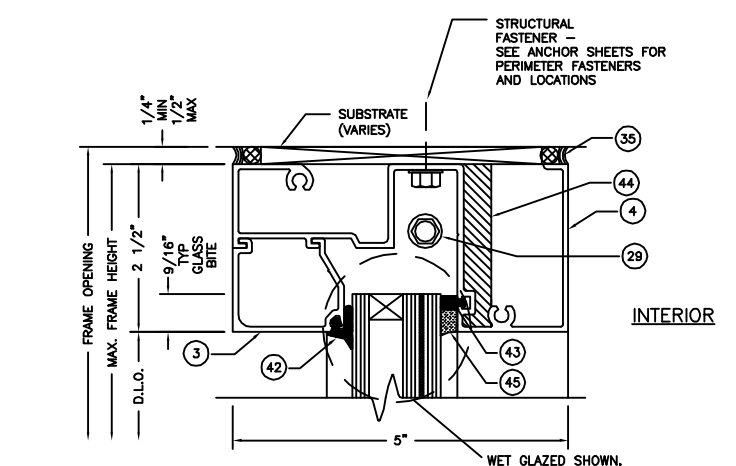
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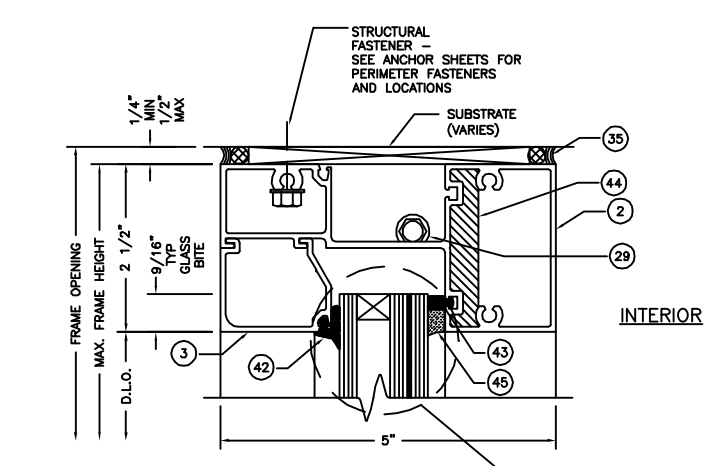
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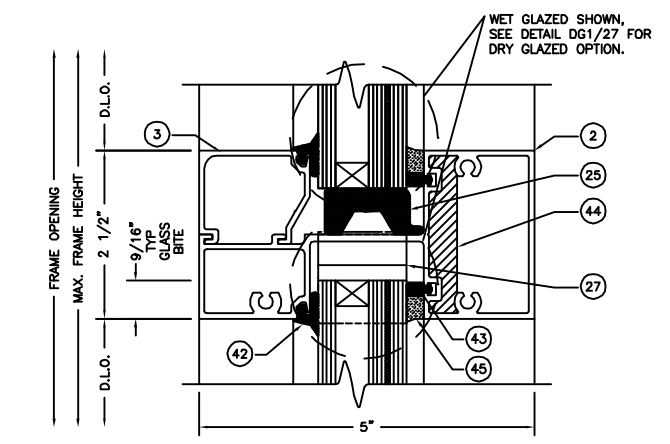
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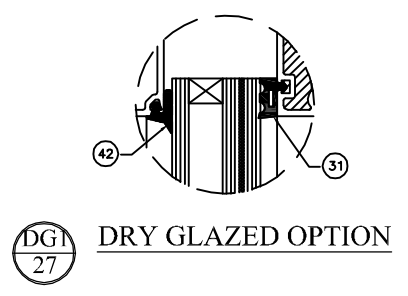
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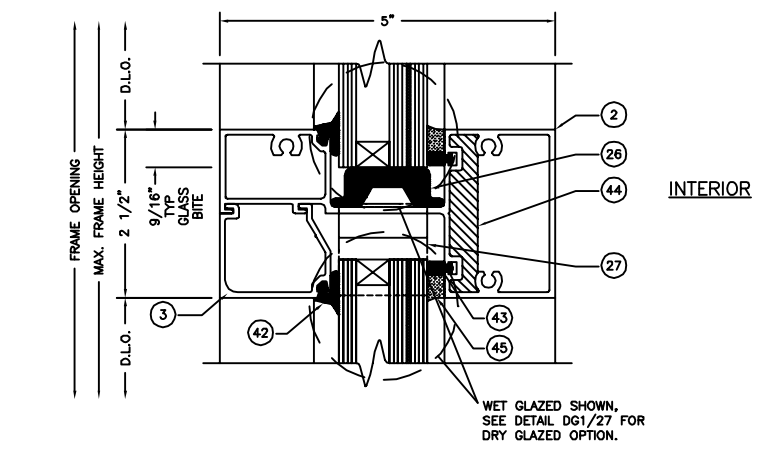
4A ALTERNATE INVERTED HEAD  
 27 LIMITED TO +70 / -80 P.S.F



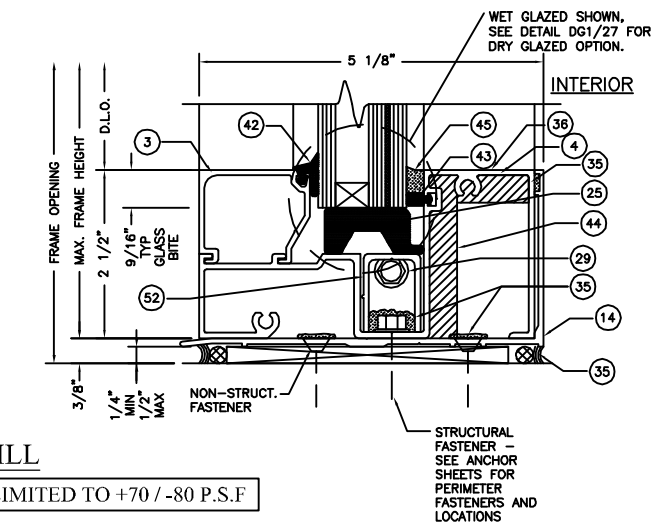
2 HORIZONTAL  
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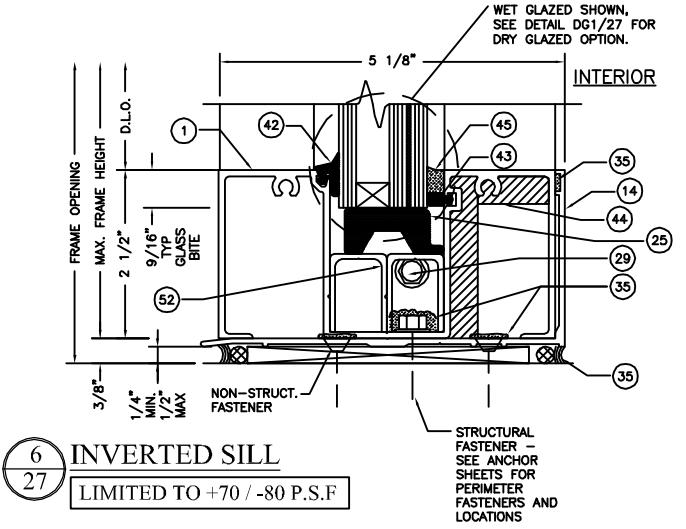
DG1 DRY GLAZED OPTION  
 27



5 INVERTED INTERMEDIATE HORIZONTAL  
 27



3 SILL  
 27 LIMITED TO +70 / -80 P.S.F



6 INVERTED SILL  
 27 LIMITED TO +70 / -80 P.S.F

LOCATE REINFORCEMENT FASTENERS  
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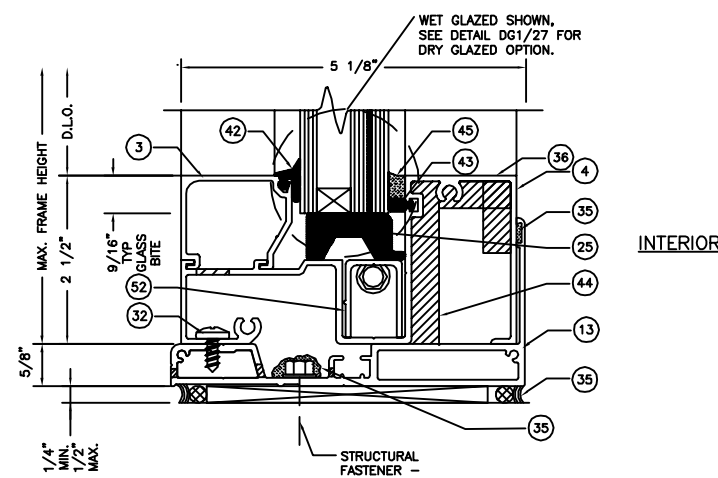
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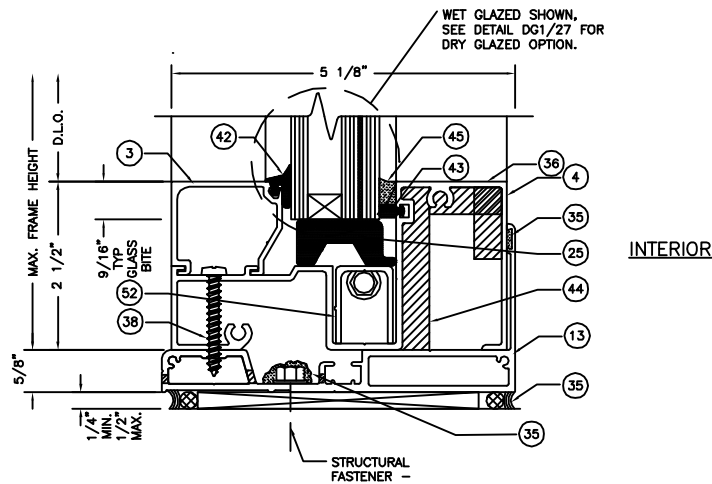
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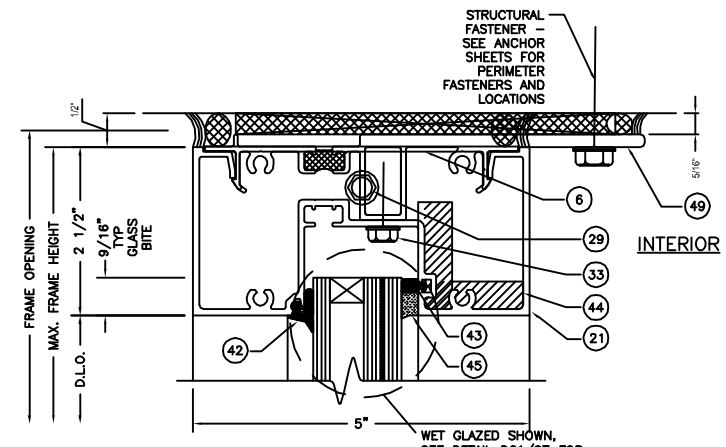
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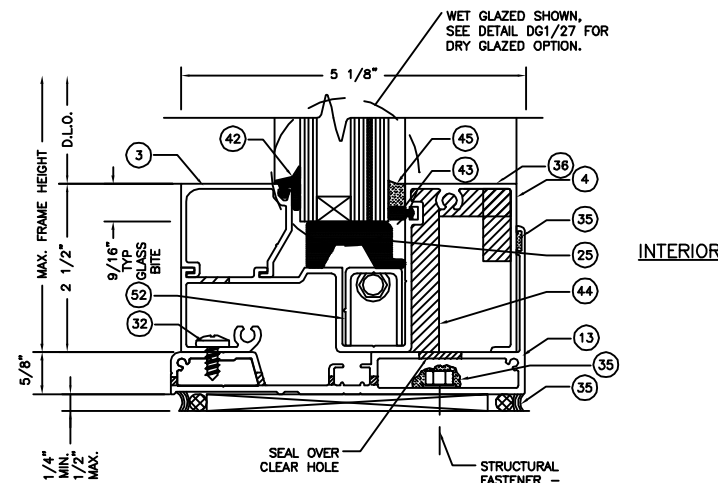
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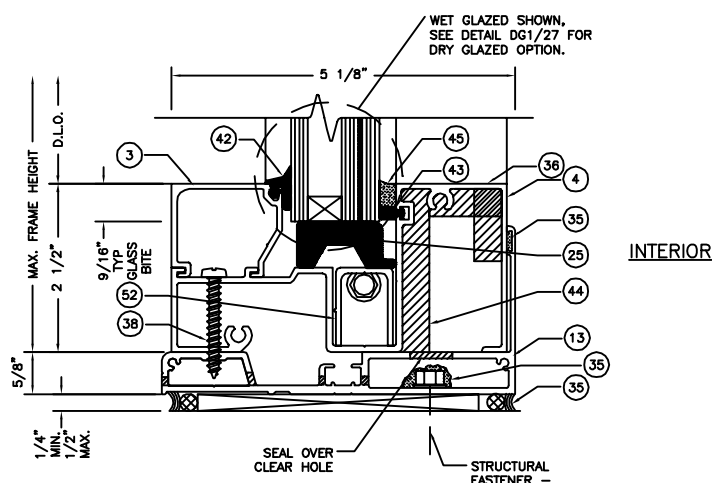
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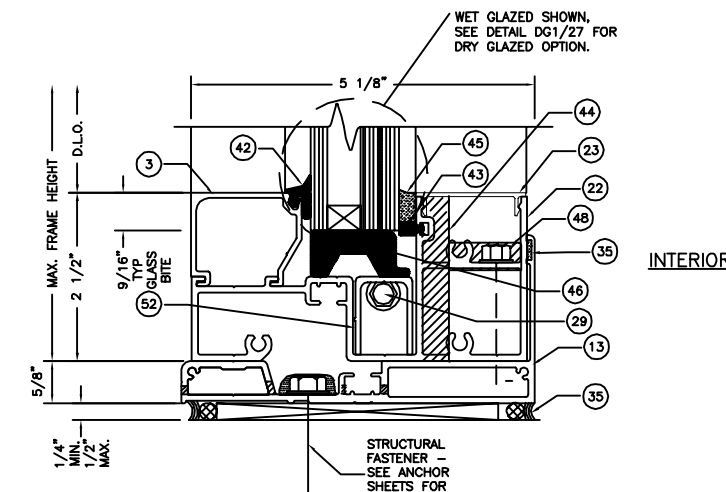
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28 PRE-GLAZE HEAD  
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7A  
28 ALTERNATE SILL 1A  
LIMITED TO +70 / -70 P.S.F



8A  
28 ALTERNATE SILL 2A  
LIMITED TO +70 / -70 P.S.F



10  
28 PRE-GLAZED SILL  
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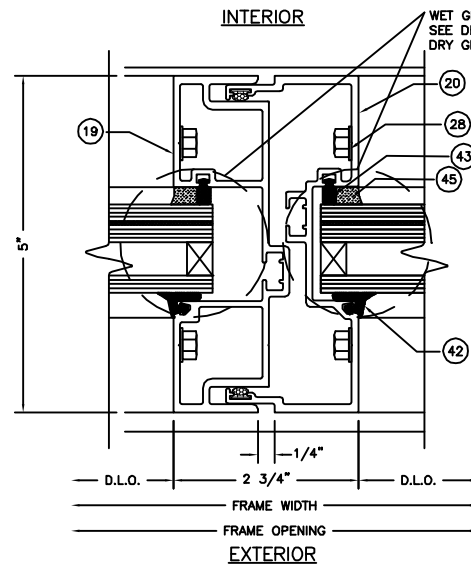






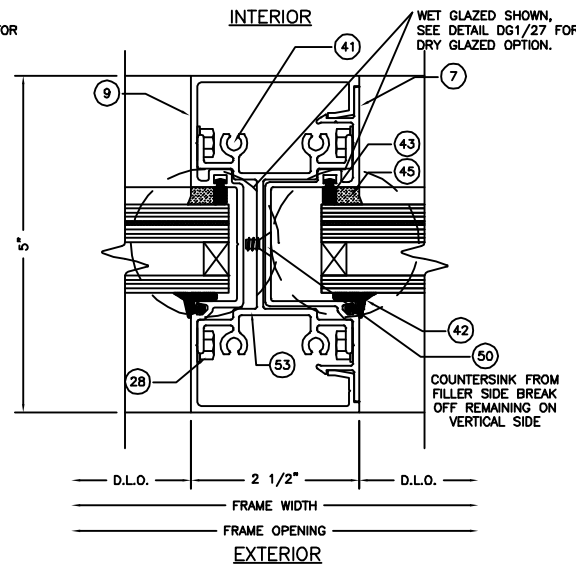
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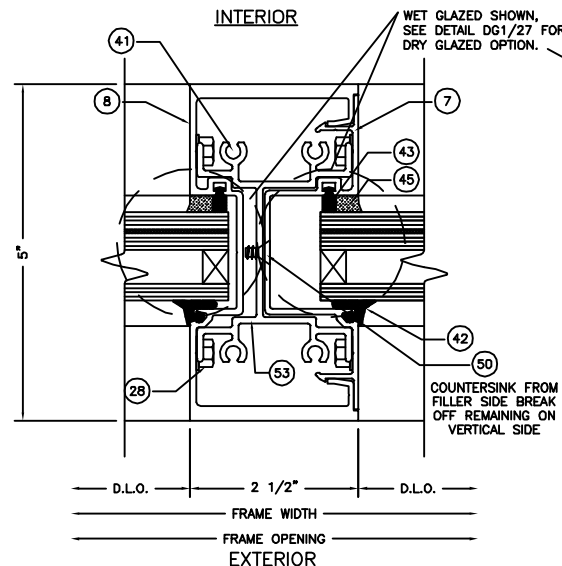


29 EXPANSION VERTICAL  
32 M2

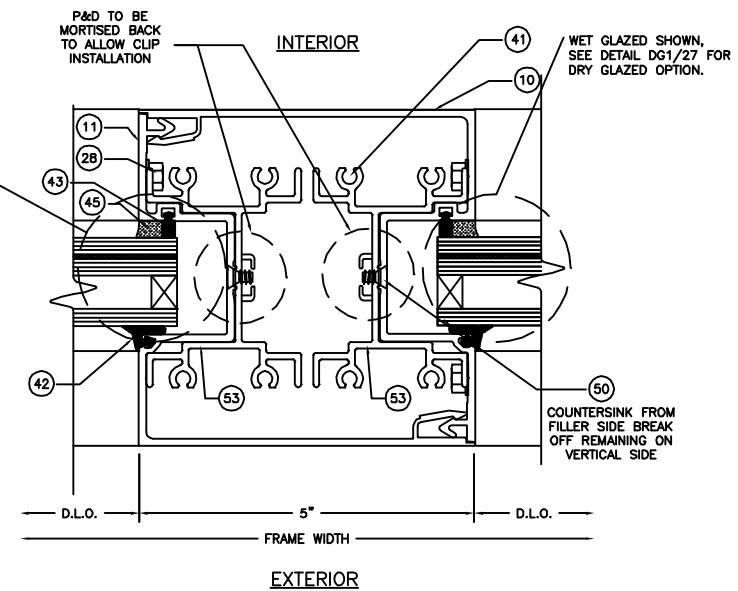
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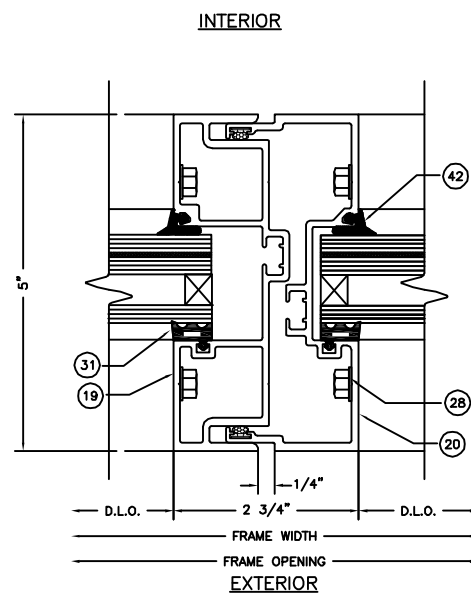
30 CRIPPLED VERTICAL  
32



31 CRIPPLED HEAVY VERTICAL  
32

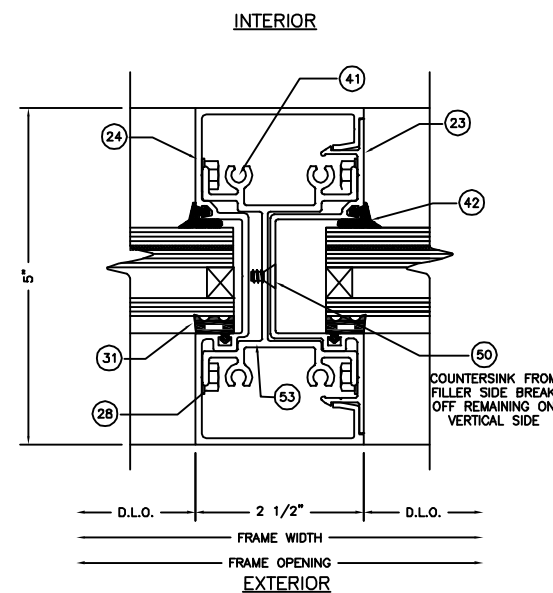


32 CRIPPLED 5" VERTICAL MULLION  
32

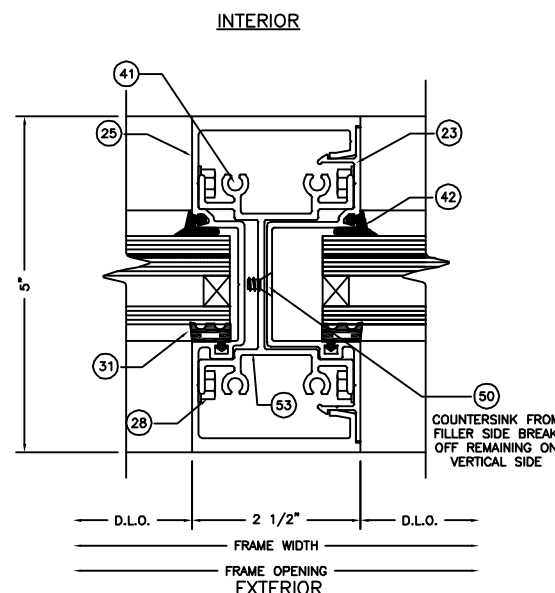


33 INSIDE SET EXPANSION VERTICAL  
32 M2

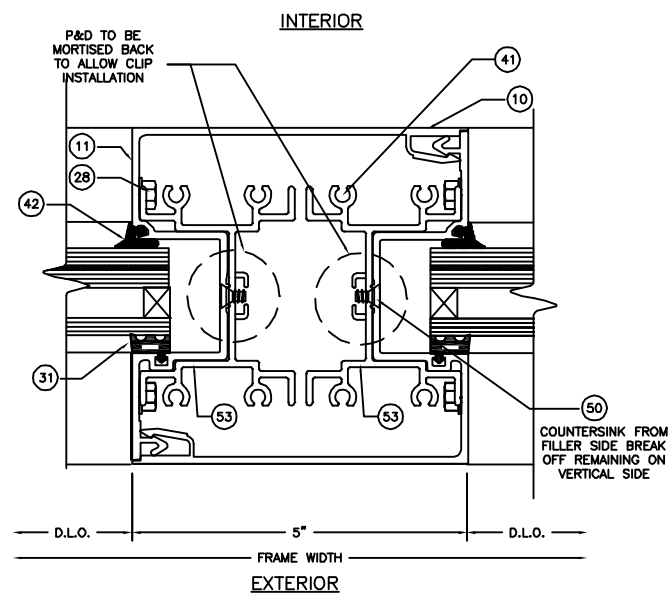
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34 INSIDE SET CRIPPLED VERTICAL  
32



35 INSIDE SET CRIPPLED HEAVY VERTICAL  
32



36 INSIDE SET CRIPPLED 5" VERTICAL MULLION  
32

SHEAR BLOCKS USE FOUR (4) FASTENERS EACH.

NOTE: CRIPPLED VERTICAL MULLIONS SHOWN HEREIN CAN BE USED UNDER SITE SPECIFIC ENGINEERING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ)

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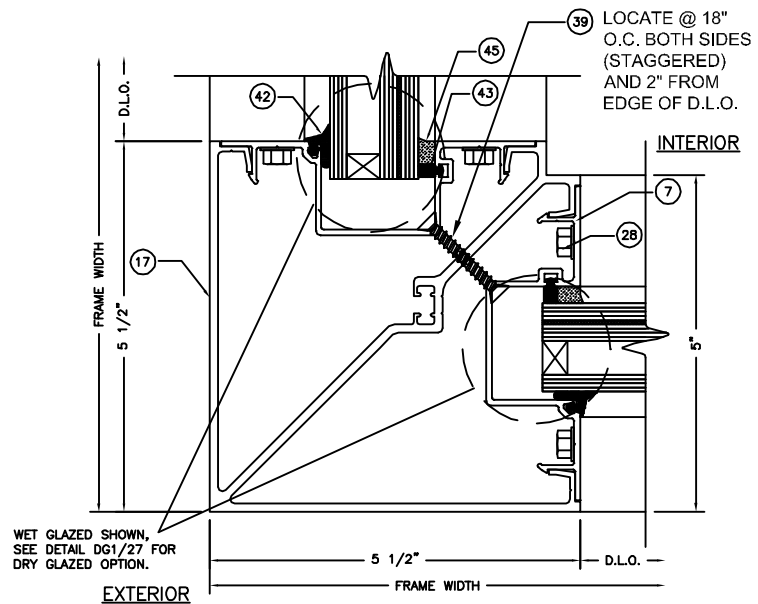
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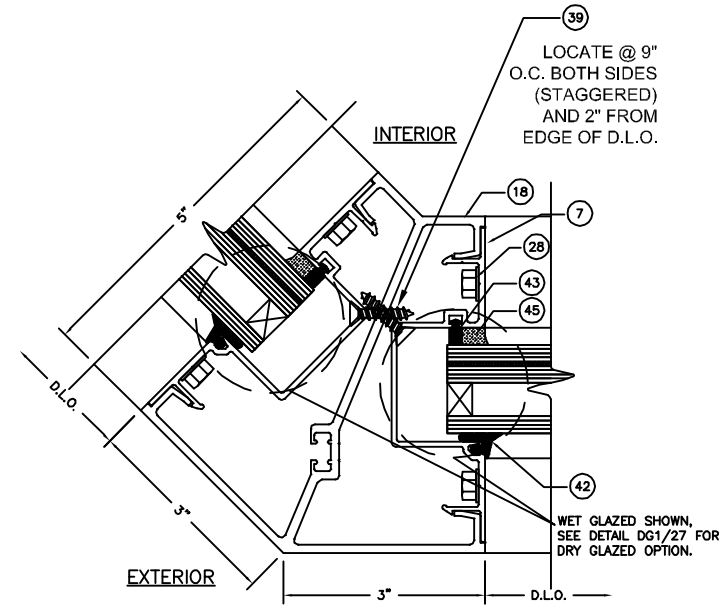
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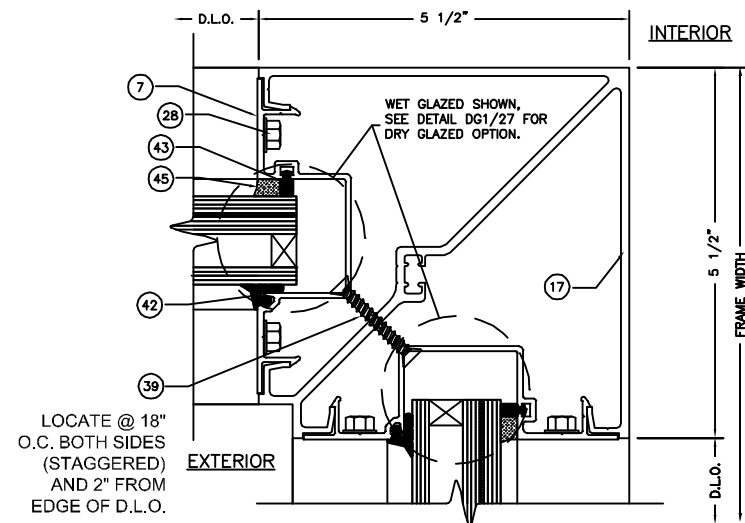
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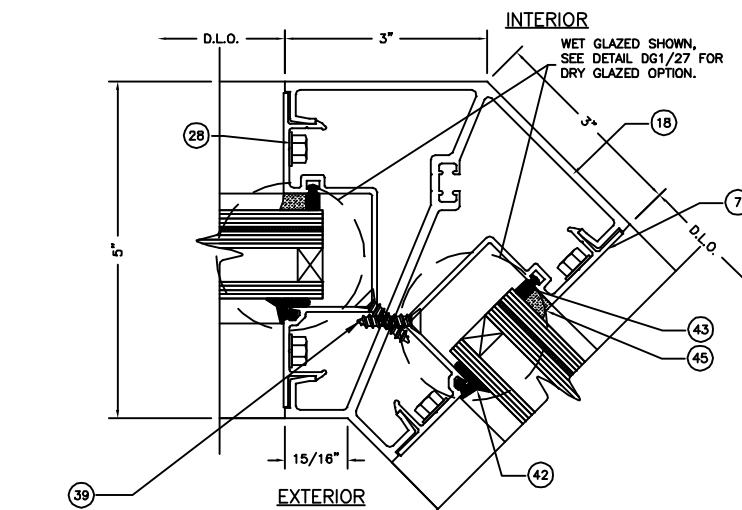
**37**  
**33** 90° CORNER POST  
M6  
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**38**  
**33** 135° CORNER POST  
M7  
NOTE: APPROVED FOR USE OUTSIDE HVHZ



**39**  
**33** 90° INSIDE CORNER POST  
M6  
NOTE: APPROVED FOR USE OUTSIDE HVHZ



**40**  
**33** 135° INSIDE CORNER POST  
M7  
NOTE: APPROVED FOR USE OUTSIDE HVHZ

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WET AND DRY GLAZED

REMARKS	DRWN	CHKD	DATE
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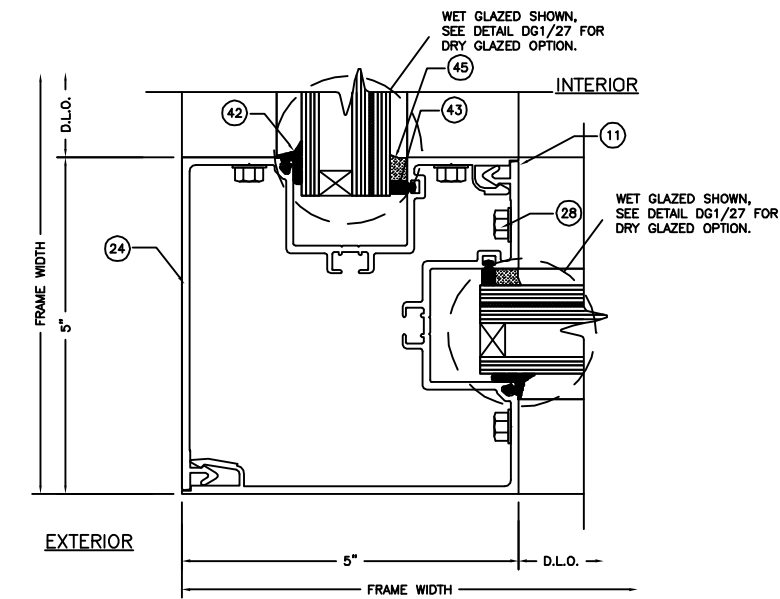
21-38377

SCALE: NTS UNLESS NOTED

OF 40  
**33**

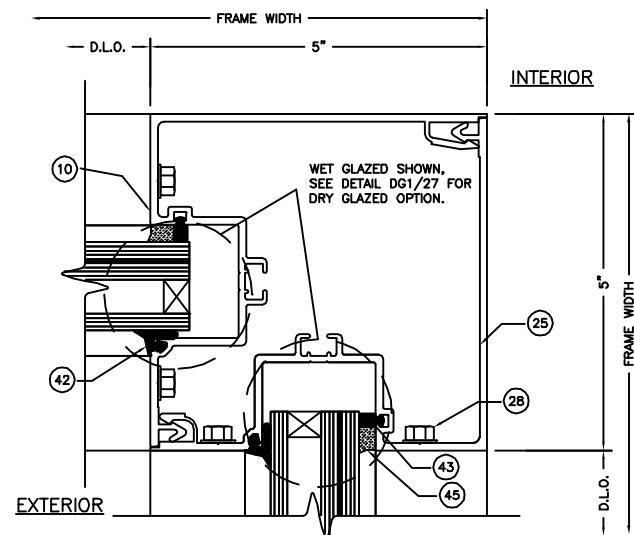


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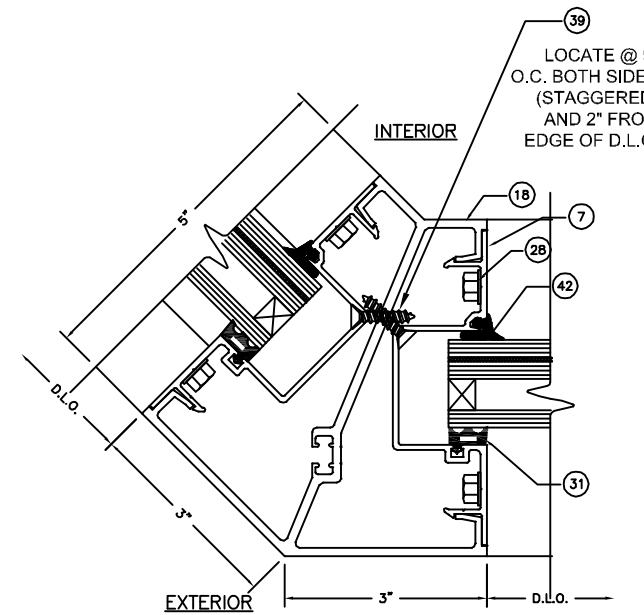
41  
34 90° CORNER POST

NOTE:  
MULLION CAN BE USED UNDER SITE SPECIFIC  
ENGINEERING AND SHALL BE APPROVED BY  
THE AUTHORITY HAVING JURISDICTION (AHJ).



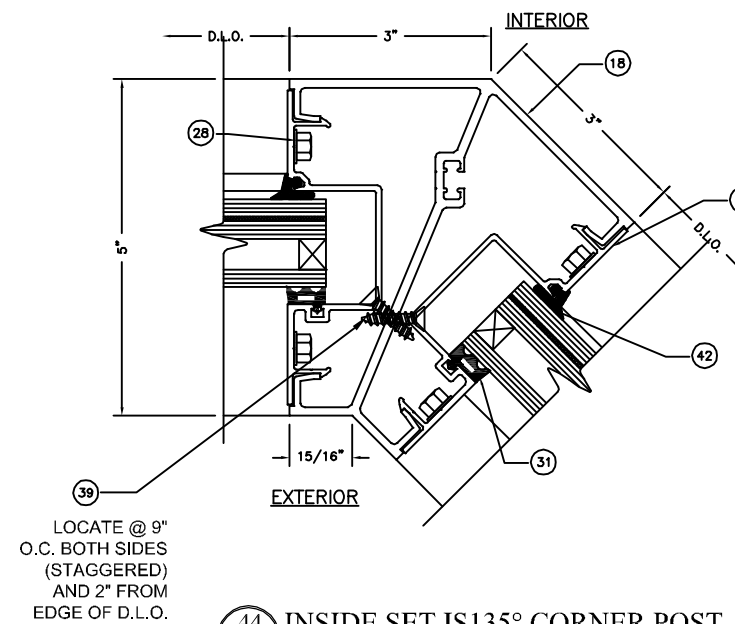
43  
34 INSIDE 90° CORNER ASSEMBLY

NOTE:  
MULLION CAN BE USED UNDER SITE SPECIFIC  
ENGINEERING AND SHALL BE APPROVED BY  
THE AUTHORITY HAVING JURISDICTION (AHJ).



42  
34 INSIDE SET OS135° CORNER POST  
M7

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ



44  
34 INSIDE SET IS135° CORNER POST  
M7

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ

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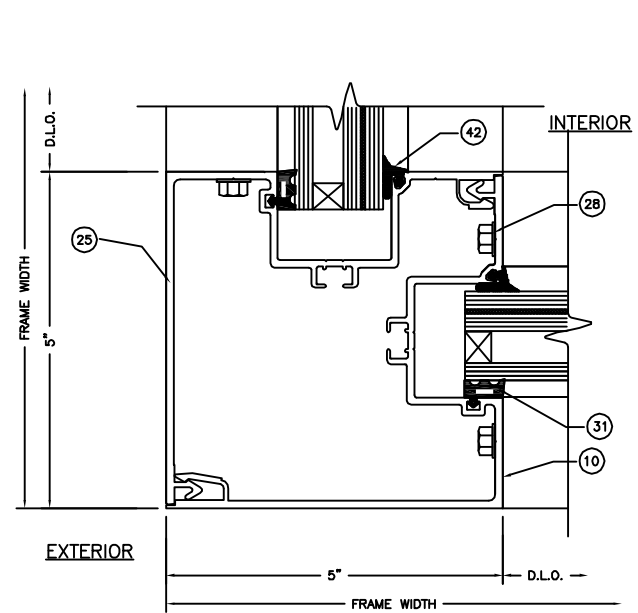
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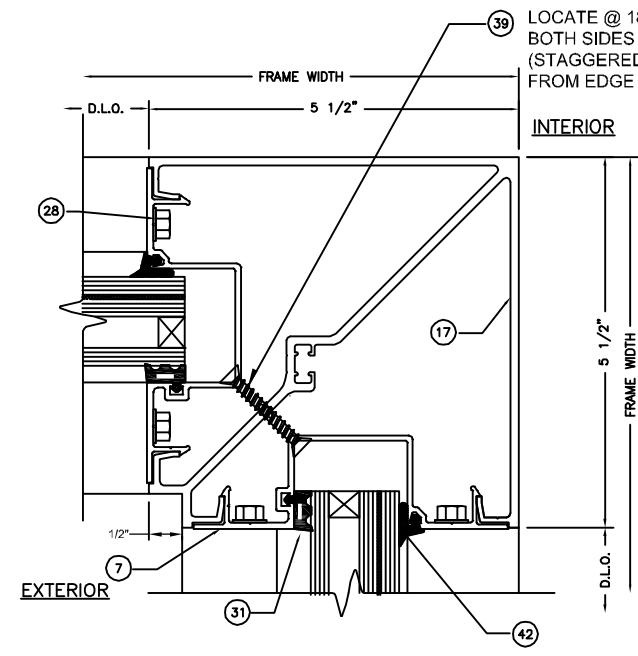
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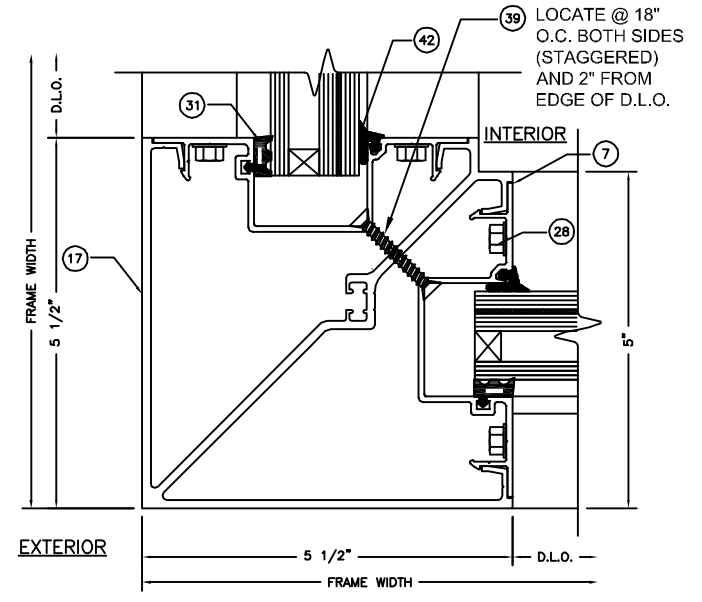
45  
35 INSIDE SET OS90° CORNER ASSEMBLY

NOTE:  
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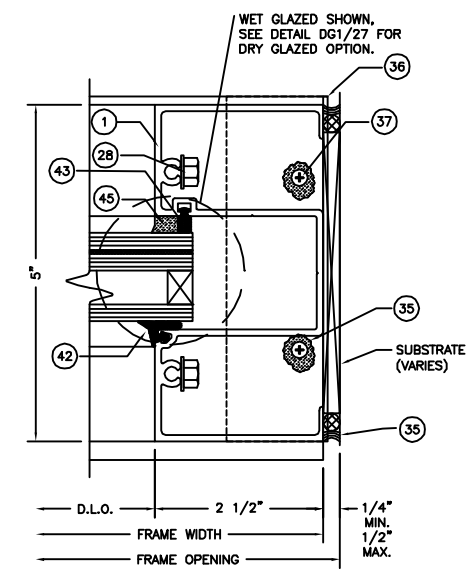
48  
35 INSIDE SET IS90° CORNER POST  
M6

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ

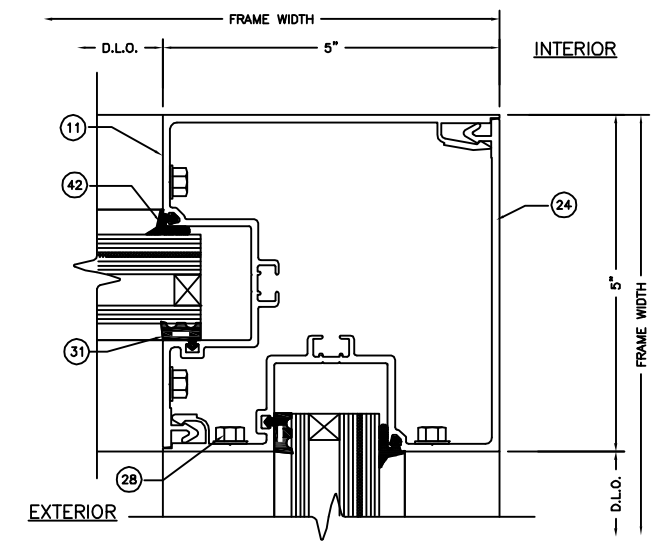


46  
35 INSIDE SET OS90° CORNER POST  
M6

NOTE: APPROVED FOR USE  
OUTSIDE HVHZ

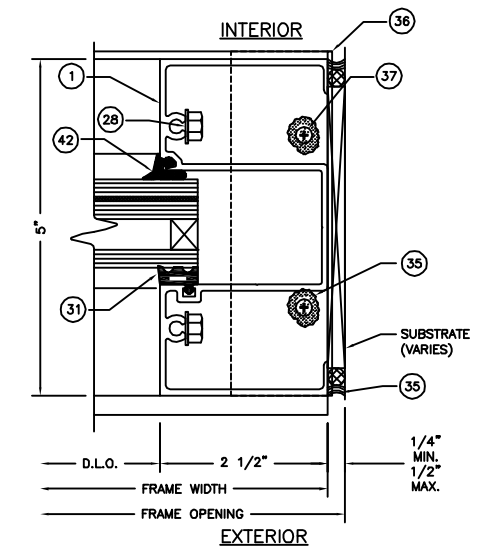


49  
35 JAMB VERTICAL (NON ANCHORED)



47  
35 INSIDE SET IS90° CORNER ASSEMBLY

NOTE:  
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50  
35 INSIDE SET JAMB VERTICAL (NON ANCHORED)



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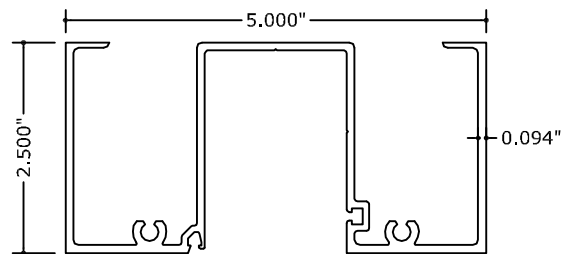
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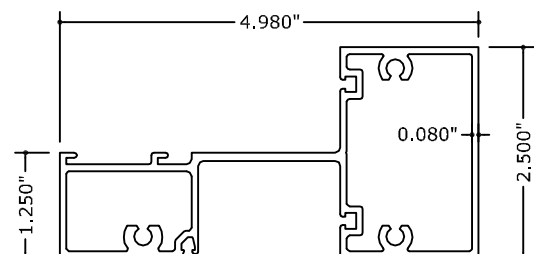
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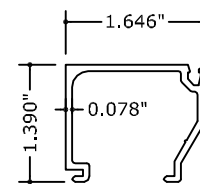
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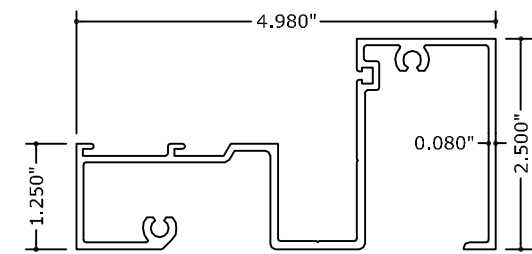
1 FG-5750  
HEAD/SILL/JAMB



2 FG-5752  
HORIZONTAL

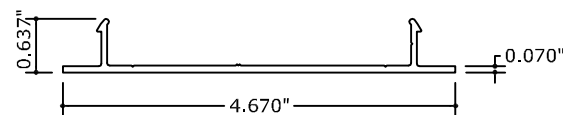


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GLASS STOP

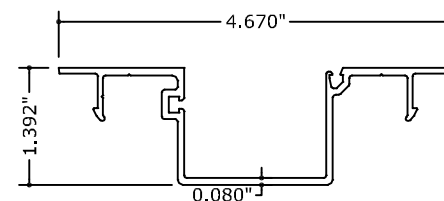


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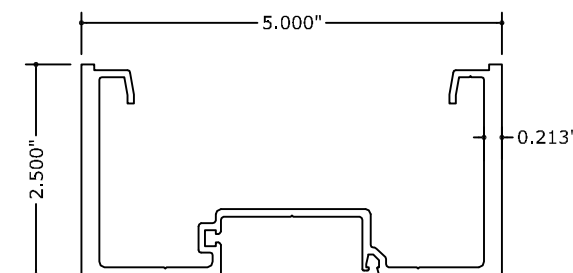
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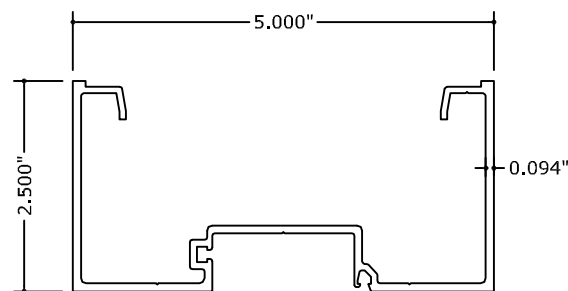
6 FG-5715  
FLAT FILLER



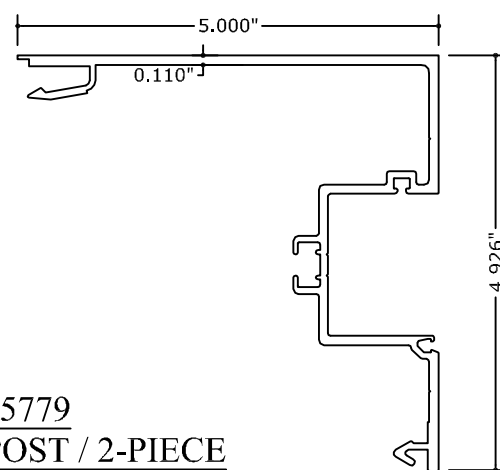
7 FG-5761  
INTERMEDIATE MULLION FILLER



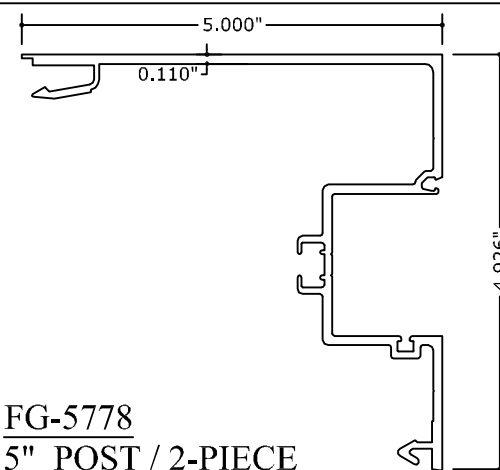
8 FG-5754  
HEAVY VERTICAL



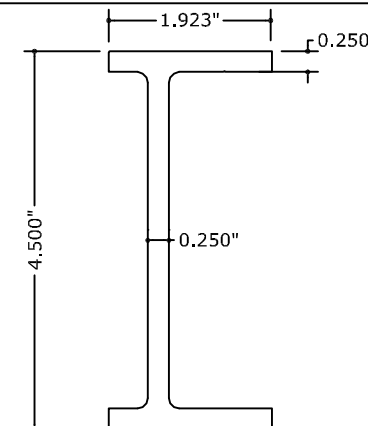
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VERTICAL MULLION



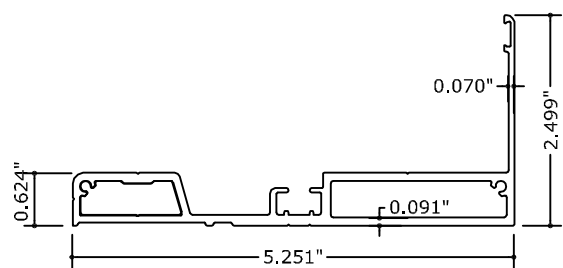
10 FG-5779  
5" POST / 2-PIECE CORNER MULLION



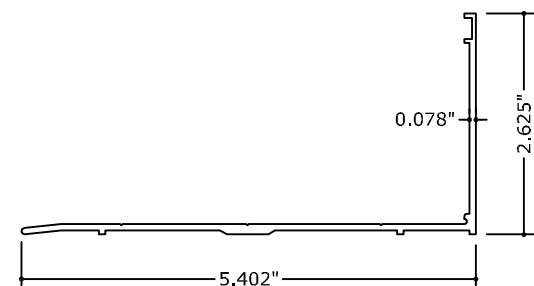
11 FG-5778  
5" POST / 2-PIECE CORNER POST



12 FG-5720  
ALUMINUM STIFFENER

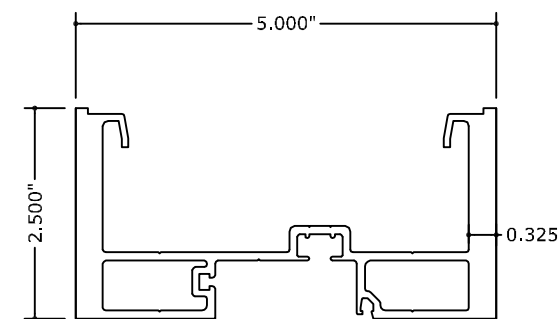


13 FG-5712  
HIGH PERFORMANCE SILL RECEPTOR



14 FG-5180  
SILL RECEPTOR

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16 FG-5774  
HEAVY VERTICAL MULLION

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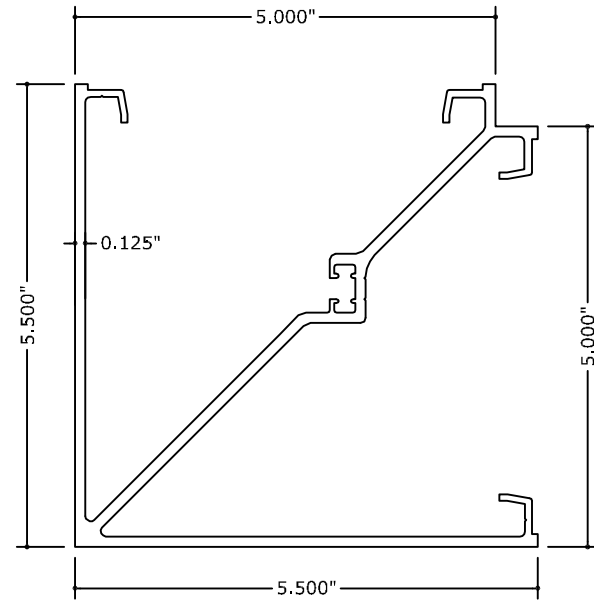
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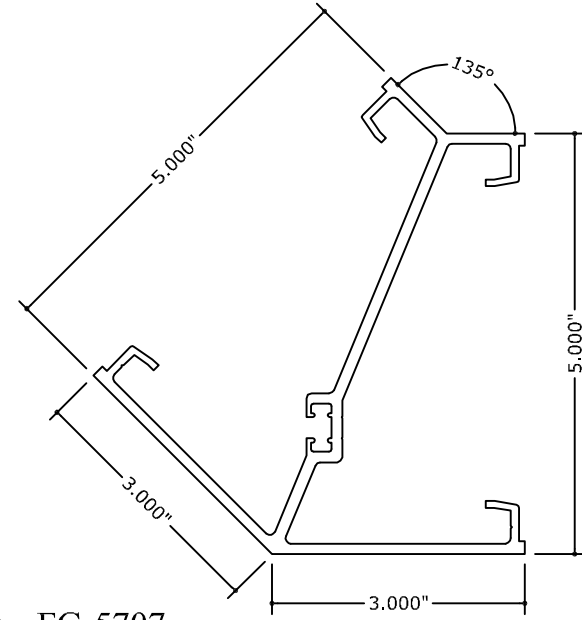
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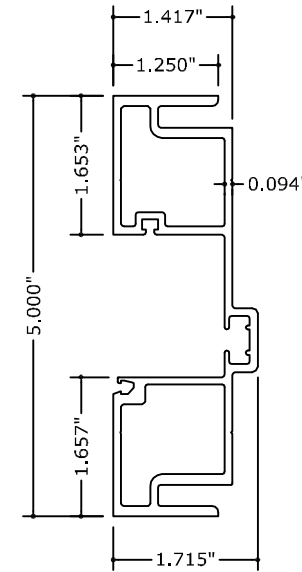
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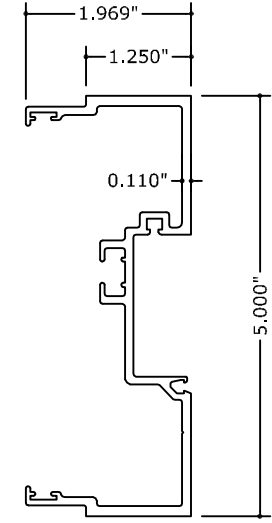
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90 DEGREE CORNER POST



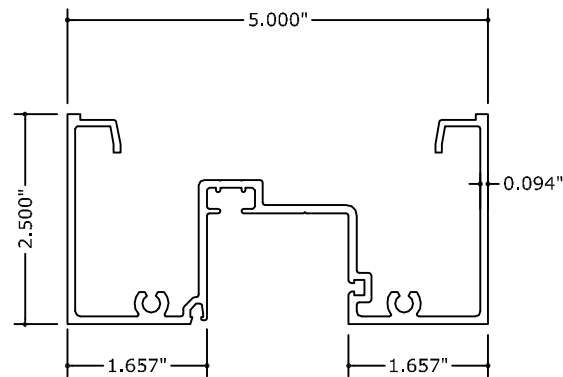
18 FG-5707  
135 DEGREE CORNER POST



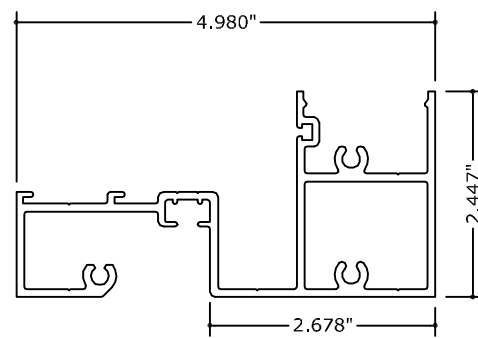
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EXPANSION MULLION



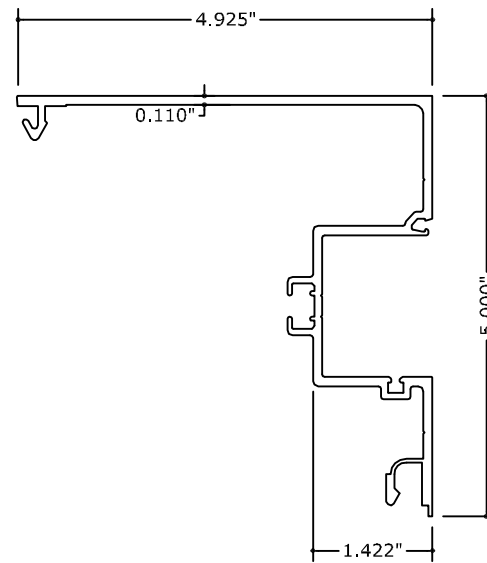
20 FG-5783  
EXPANSION MULLION



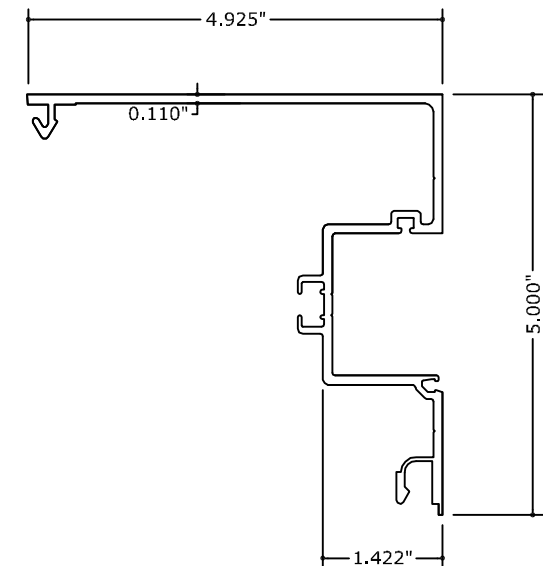
21 FG-5786  
PRE-GLAZED HEAD



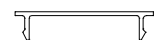
22 FG-5787  
PRE-GLAZED SILL



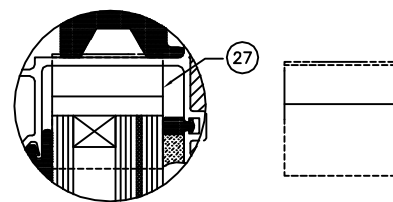
24 FG-5784  
2-PIECE 90° CORNER ASSEMBLY



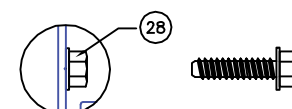
25 FG-5785  
2-PIECE 90° CORNER ASSEMBLY



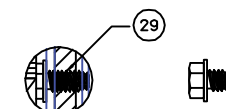
23 FG-5259  
PRE-GLAZED SILL FILLER



27 FG-5790-02  
WATER DIVERTER

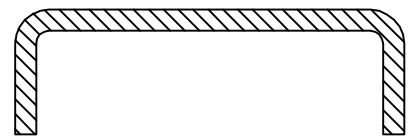


28 FS-8  
JOINT FASTENER

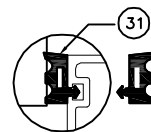


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REINFORCEMENT FASTENER

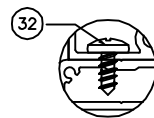
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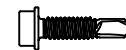
30 RS-30  
STEEL REINFORCEMENT



31 FG-5732  
DRY GLAZE GASKET



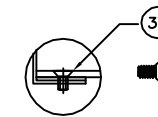
32 FS-27  
FASTENER



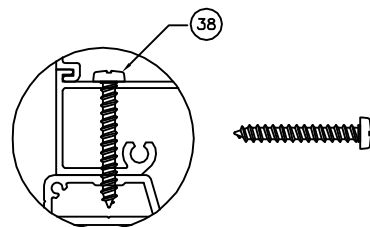
33 FS-336  
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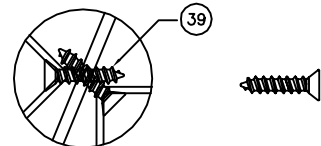
36 AN-101-01  
SILL END DAM



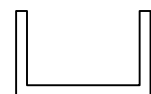
37 FS-23  
SILL END DAM  
FASTENER



38 FS-229  
SILL-SUBSILL FASTENER



39 FS-58  
CORNER ASSEMBLY  
FASTENER



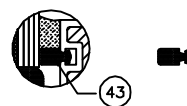
40 CH55  
U-CHANNEL



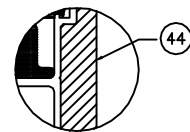
41 FS-96  
SHEAR BLOCK  
FASTENER



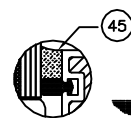
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EXTERIOR GLAZING  
GASKET



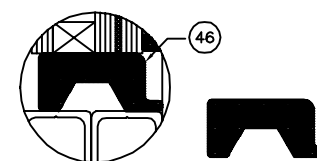
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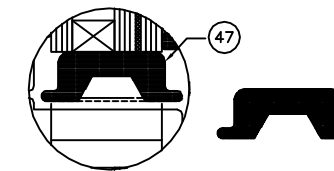
44 SM5601  
JOINT TAPE



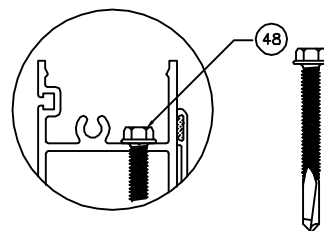
45 DOWSIL 995  
SEALANT



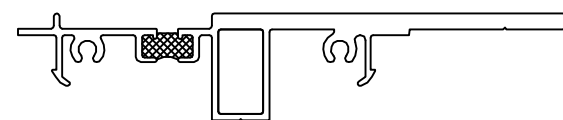
46 FG-5743  
SETTING BLOCK



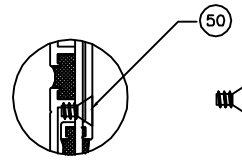
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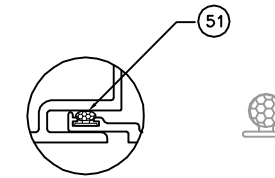
48 FS-128  
PRE-GLAZE SILL FASTENER



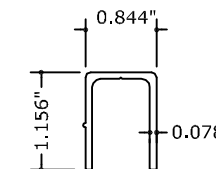
49 FG-5788-01  
PRE-GLAZE HEAD  
ANCHOR



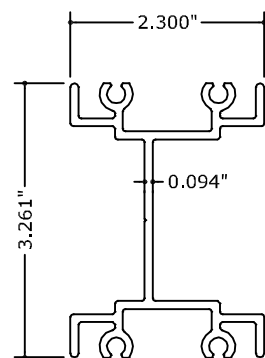
50 FS-56  
FG-5714 FASTENER



51 CW-998  
EXPANSION  
MULL GASKET



52 FG-5721-01  
SETTING CHAIR



53 FG-5714-01  
SHEAR BLOCK

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### BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
ALUMINUM PARTS						
1	FG-5750	HEAD/SILL/JAMB	2.500 x 5.000 x 0.094	6063-T6 ALUMINUM	OBE	
2	FG-5752	HORIZONTAL MULLION	2.500 x 4.980 x 0.094	6063-T6 ALUMINUM	OBE	
3	FG-5760	GLASS STOP	1.250 x 1.650 x 0.078	6063-T6 ALUMINUM	OBE	
4	FG-5751	HEAD/SILL	2.500 x 4.980 x 0.094	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
6	FG-5715	FLAT FILLER	0.636 x 4.670 x 0.080	6063-T6 ALUMINUM	OBE	RUNS FULL LENGTH
7	FG-5761	INTERMEDIATE MULLION FILLER	0.681 x 4.670 x 0.080	6063-T6 ALUMINUM	OBE	
8	FG-5754	HEAVY MULLION	2.500 x 5.000 x 0.213	6063-T6 ALUMINUM	OBE	
9	FG-5753	VERTICAL MULLION	2.500 x 5.000 x 0.094	6063-T6 ALUMINUM	OBE	
10	FG-5779	5" VERTICAL POST / 2-PIECE 90° CORNER	5.000 x 4.941 x 0.110	6063-T6 ALUMINUM	OBE	
11	FG-5778	5" VERTICAL POST / 2-PIECE 90° CORNER	4.941 x 5.000 x 0.110	6063-T6 ALUMINUM	OBE	
12	FG-5720	ALUMINUM STIFFENER	4.500 x 1.9375 x 0.250	6063-T6 ALUMINUM	OBE	MAXIMUM LENGTH OF 144"
13	FG-5712	HIGH PERFORMANCE SILL RECEPTOR	5.276 x 2.750 x 0.100	6063-T6 ALUMINUM	OBE	
14	FG-5180	SILL RECEPTOR	5.402 x 2.625 x 0.080	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	
16	FG-5774	HEAVY MULLION	2.500 x 5.000 x 0.213	6063-T6 ALUMINUM	OBE	
17	FG-5706	90° CORNER MULLION	5.500 X 5.500 X 0.125	6063-T6 ALUMINUM	OBE	
18	FG-5707	135° CORNER MULLION	3.000 x 5.000 x 0.125	6063-T6 ALUMINUM	OBE	
19	FG-5782	EXPANSION MULLION (FEMALE)	1.715 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
20	FG-5783	EXPANSION MULLION (MALE)	1.969 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
21	FG-5786	PRE-GLAZE HEAD	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
22	FG-5787	PRE-GLAZE SILL	2.446 X 5.000 X 0.094	6063-T6 ALUMINUM	OBE	
23	FG-5259	PRE-GLAZE SILL FILLER	.344 X 1.638 X 0.050	6063-T5 ALUMINUM	OBE	
24	FG-5784	2-PIECE 90° CORNER MULLION	4.941 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
25	FG-5785	2-PIECE 90° CORNER MULLION	4.941 X 5.000 X 0.110	6063-T6 ALUMINUM	OBE	
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	

FRANK BENNARDO, P.E.  
PE# 96064 CA-F-11383



08/31/2021



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