



BRICKMOULD VINYL CASEMENT

Architectural Design Manual
January 2025



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SIZING DETAILS

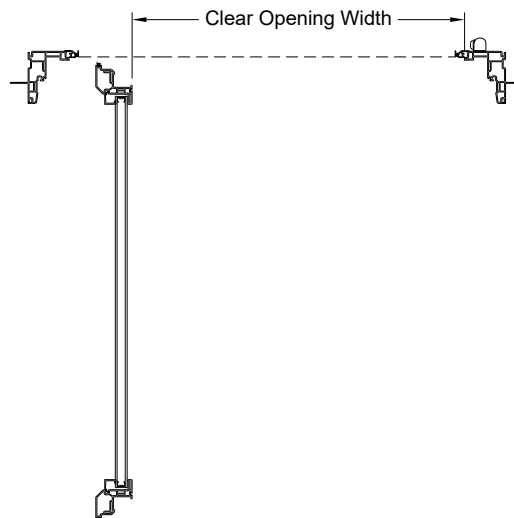
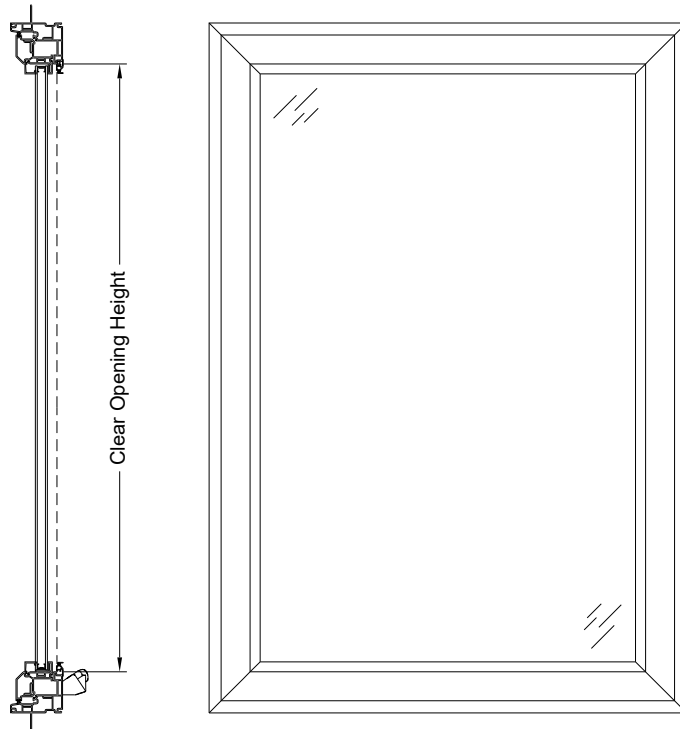
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CLEAR OPENING FORMULAS



Standard

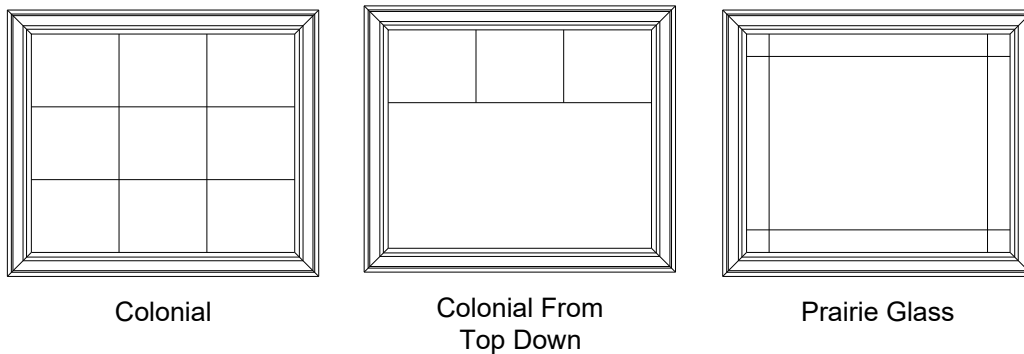
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Clear Opening Height = Frame Height - 5 1/8"

Egress Hinge

Clear Opening Width = Frame Width - 7 1/4"
Clear Opening Height = Frame Height - 5 1/8"

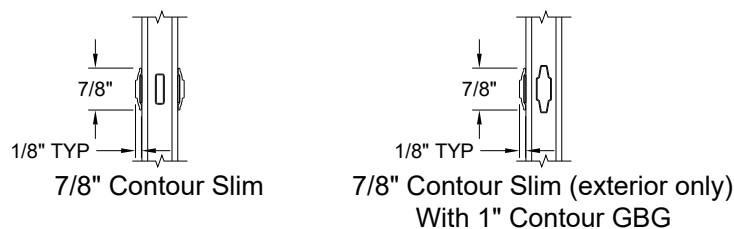
GRID, TRIM & MULLION OPTIONS

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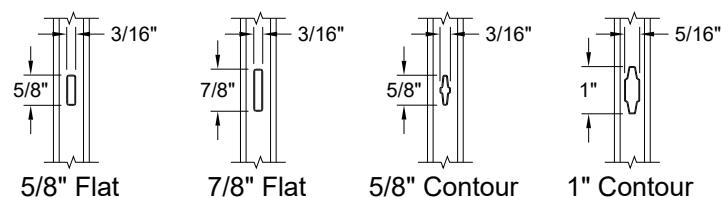


Exterior ← Grid Options → Interior

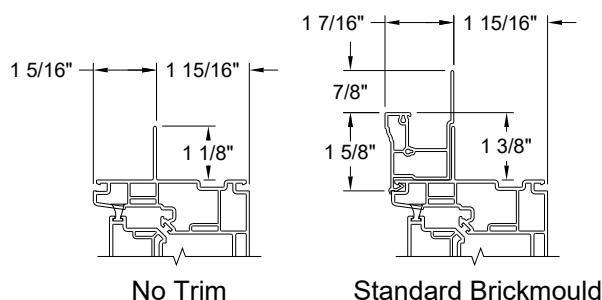
SDL Options



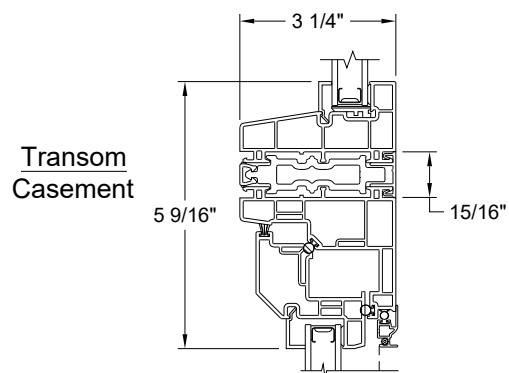
GBG Options



Trim Options

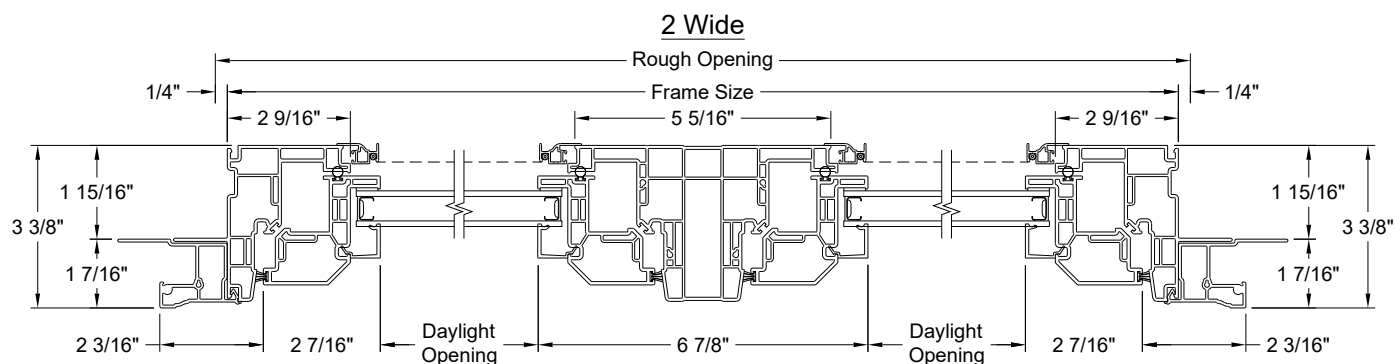
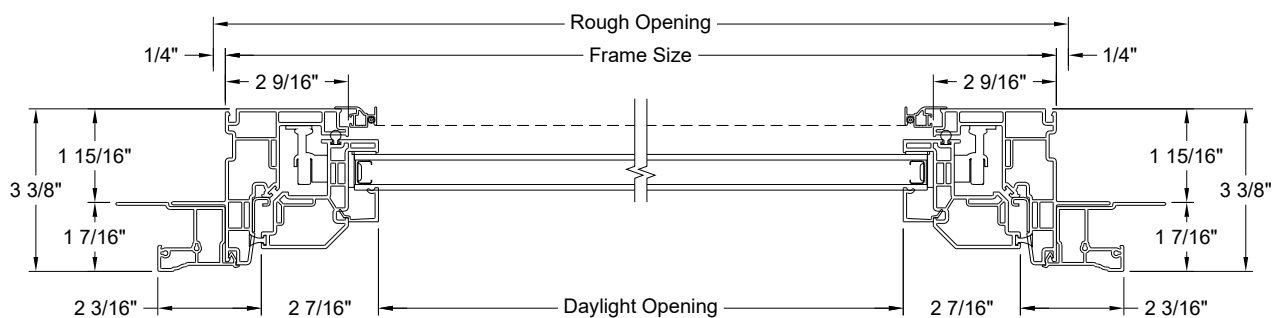
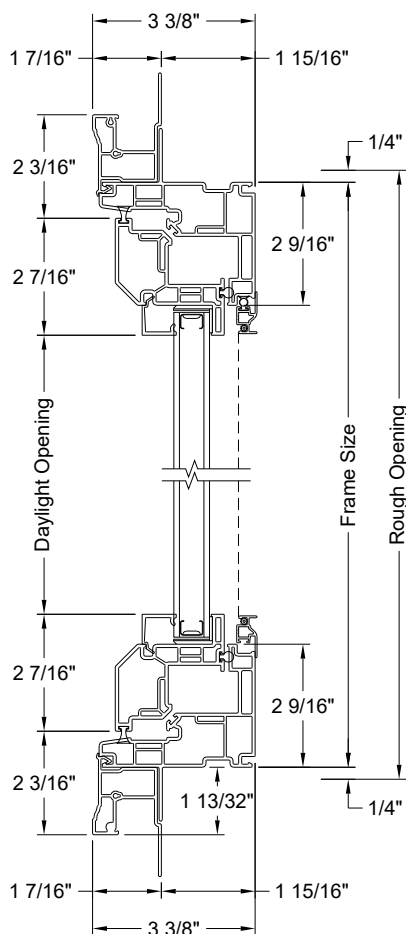


Mullion Details

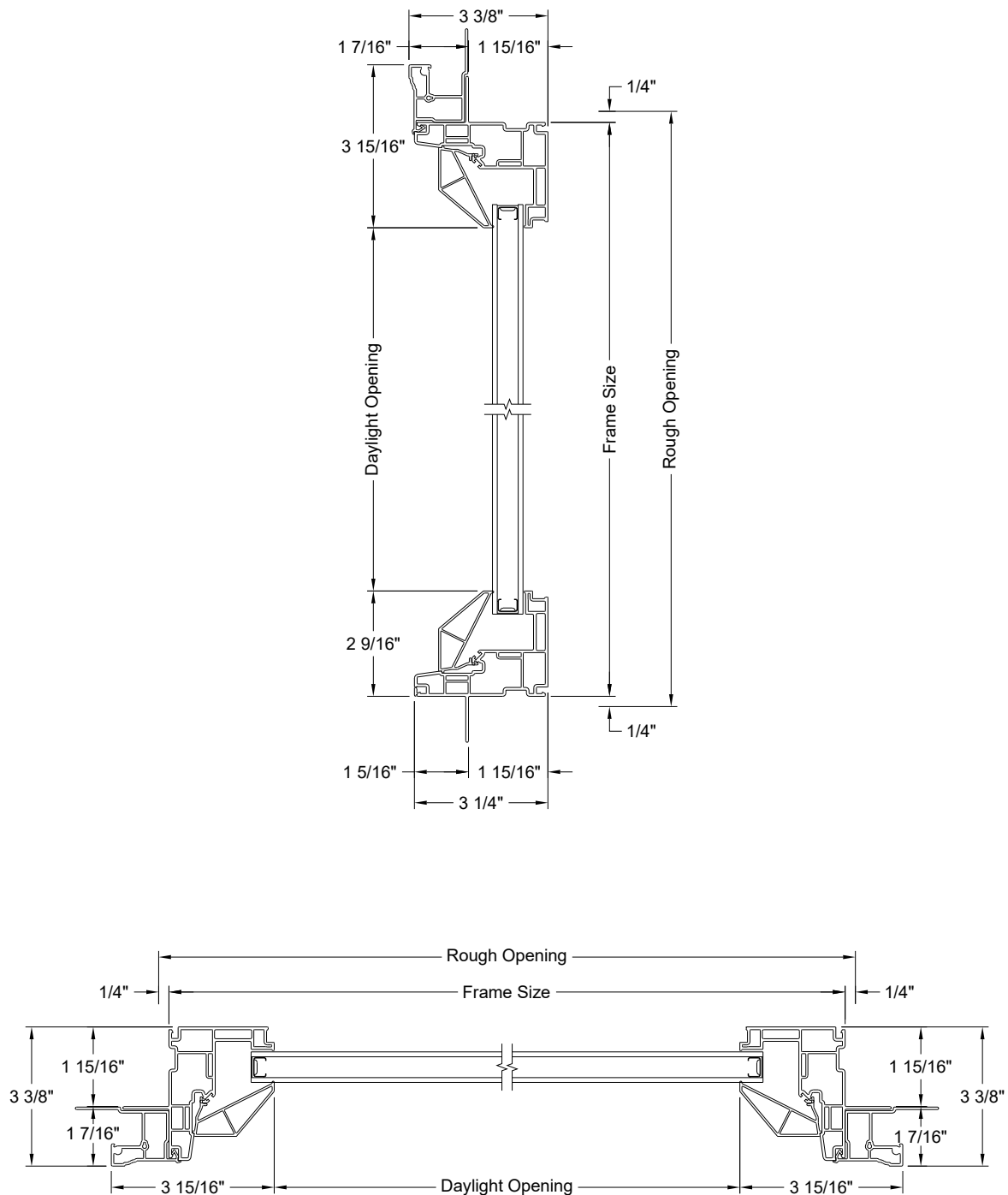


Grid patterns and options may vary by region. Contact JELD-WEN Customer Service for more information.

OPERATOR SECTIONS

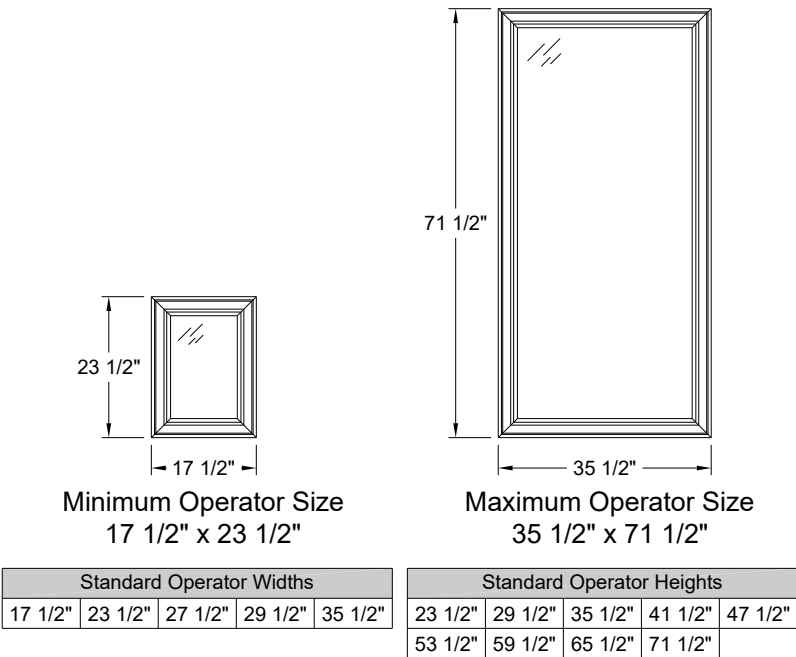


TRANSOM SECTIONS

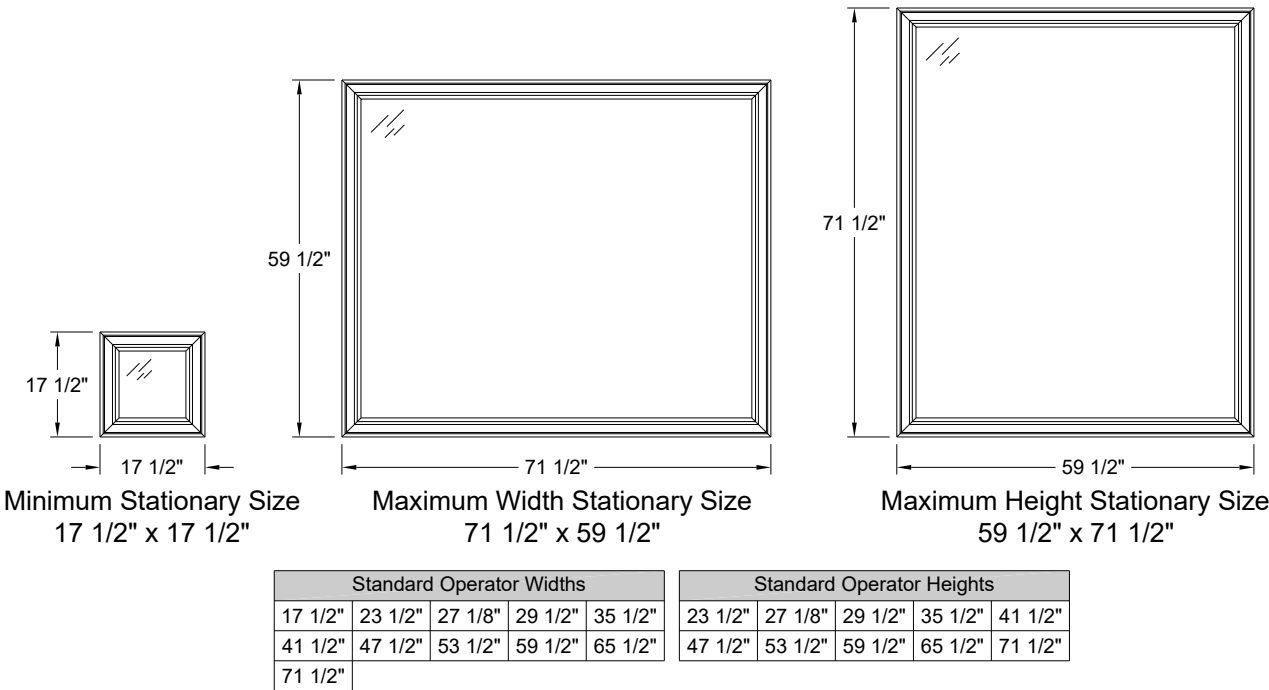


MIN-MAX STANDARD SIZING

Operator Sizing



Stationary Sizing



Unit elevations are shown without exterior trim.

FORMULAS & EGRESS CHARTS

Understanding JELD-WEN Book Codes:

Brickmould Vinyl Product	Prefix	Width Code	Height Code
Casement	VCMT	WW	HH

Brickmould Vinyl Sample Book Codes:

VCMT3042 = Casement, 29 1/2" x 41 1/2" Frame Size

Formulas	
Rough Opening	(Frame Width + 1/2") x (Frame Height + 1/2")
Daylight Opening	(Frame Width - 6 3/4") x (Frame Height - 6 3/4")
Clear Opening w/ Standard Hinge ft²	(Frame Width - 11 5/8") x (Frame Height - 5 1/8") / 144
Clear Opening w/ Maximum Opening Hinge ft²	(Frame Width - 7 7/32") x (Frame Height - 5 1/8") / 144
Masonry Opening	(Frame Width + 1/2") x (Frame Height + 1/2")

		Standard Hinge				
		Width				
		17 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"
Height	23 1/2"	0.75 ft²	1.52 ft²	2.03 ft²	2.28 ft²	3.05 ft²
	29 1/2"	1.00 ft²	2.01 ft²	2.69 ft²	3.03 ft²	4.04 ft²
	35 1/2"	1.24 ft²	2.51 ft²	3.35 ft²	3.77 ft²	5.04 ft²
	41 1/2"	1.49 ft²	3.00 ft²	4.01 ft²	4.52 ft²	6.03 ft²
	47 1/2"	1.73 ft²	3.50 ft²	4.68 ft²	5.26 ft²	7.03 ft²
	53 1/2"	1.98 ft²	3.99 ft²	5.34 ft²	6.01 ft²	8.02 ft²
	59 1/2"	2.22 ft²	4.49 ft²	6.00 ft²	6.75 ft²	9.02 ft²
	65 1/2"	2.47 ft²	4.98 ft²	6.66 ft²	7.50 ft²	10.02 ft²
	71 1/2"	2.71 ft²	5.48 ft²	7.32 ft²	8.25 ft²	11.01 ft²

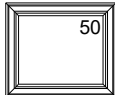
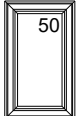
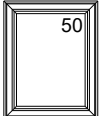
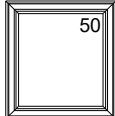
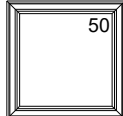
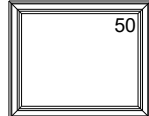
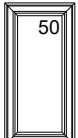
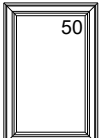
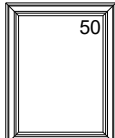
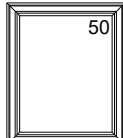
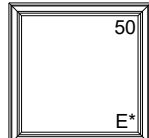
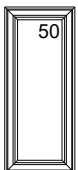
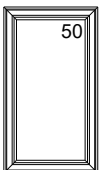
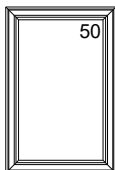
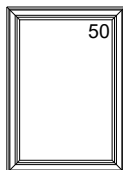
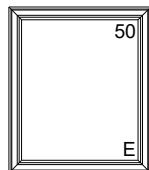
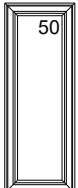
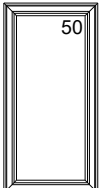
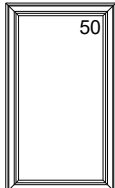
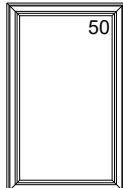
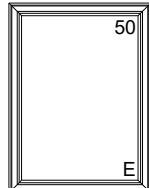
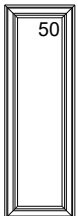
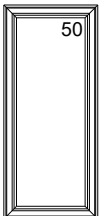
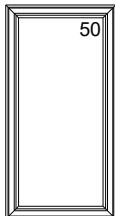
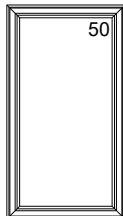
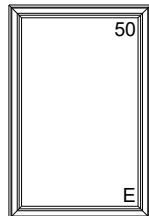
		Maximum Opening Hinge		
		Width		
		27 1/2"	29 1/2"	35 1/2"
Height	23 1/2"	2.59 ft²	2.84 ft²	3.61 ft²
	29 1/2"	3.43 ft²	3.77 ft²	4.79 ft²
	35 1/2"	4.28 ft²	4.70 ft²	5.96 ft²
	41 1/2"	5.12 ft²	5.63 ft²	7.14 ft²
	47 1/2"	5.97 ft²	6.55 ft²	8.32 ft²
	53 1/2"	6.81 ft²	7.48 ft²	9.50 ft²
	59 1/2"	7.66 ft²	8.41 ft²	10.68 ft²
	65 1/2"	8.50 ft²	9.34 ft²	11.85 ft²
	71 1/2"	9.34 ft²	10.27 ft²	13.03 ft²



Unit meets egress specifications equal or greater than 20" width, 24" height, and 5.7 ft².

Unit meets egress specifications equal or greater than 20" width, 24" height, and 5.0 ft².

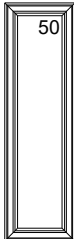
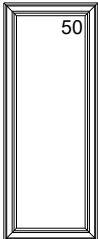
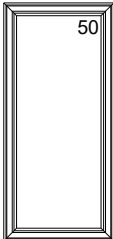
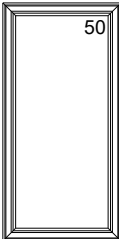
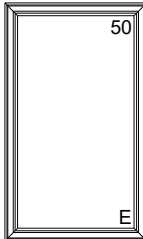
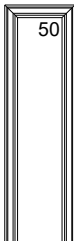
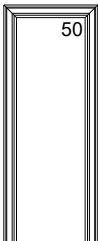
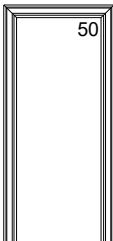
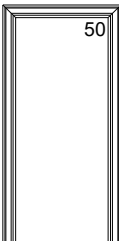
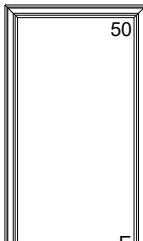
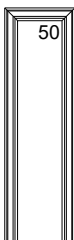
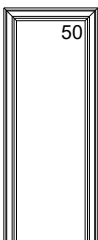
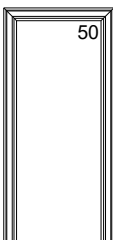
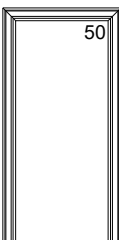
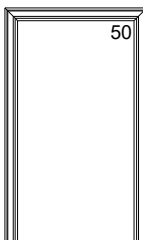
OPERATOR SINGLE UNITS

	18"	24"	28"	30"	36"	
	17 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"	Rough Opening
	11 1/8"	17 1/8"	21 1/8"	23 1/8"	29 1/8"	Frame Width
						Daylight Opening
24"	 50 VCMT1824	 50 VCMT2424	 50 VCMT2824	 50 VCMT3024	 50 VCMT3624	
30"	 50 VCMT1830	 50 VCMT2430	 50 VCMT2830	 50 VCMT3030	 50 VCMT3630	
36"	 50 VCMT1836	 50 VCMT2436	 50 VCMT2836	 50 VCMT3036	 50 VCMT3636	E*
42"	 50 VCMT1842	 50 VCMT2442	 50 VCMT2842	 50 VCMT3042	 50 VCMT3642	E
48"	 50 VCMT1848	 50 VCMT2448	 50 VCMT2848	 50 VCMT3048	 50 VCMT3648	E
54"	 50 VCMT1854	 50 VCMT2454	 50 VCMT2854	 50 VCMT3054	 50 VCMT3654	E

Rough Opening
 Frame Height
 Daylight Opening

Elevation Legend:
 ## = Maximum Performance Grade (PG) rating with standard glazing.
 Egress shown for Standard Hinge only. Refer to Egress Charts page for Maximum Opening Hinge egress.
 E = Unit meets egress - clear opening ≥ 20" width, 24" height and 5.7 ft².
 E* = Unit meets egress (1st floor) - clear opening ≥ 20" width, 24" height and 5.0 ft²
 Elevations shown as frame size only. Brickmould detail and nail fin are omitted.

OPERATOR SINGLE UNITS

	18"	24"	28"	30"	36"	
	17 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"	Rough Opening
	11 1/8"	17 1/8"	21 1/8"	23 1/8"	29 1/8"	Frame Width
						Daylight Opening
60"						
	VCMT1860	VCMT2460	VCMT2860	VCMT3060	VCMT3660	
66"						
	VCMT1866	VCMT2466	VCMT2866	VCMT3066	VCMT3666	
72"						
	VCMT1872	VCMT2472	VCMT2872	VCMT3072	VCMT3672	

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing.

Egress shown for Standard Hinge only. Refer to Egress Charts page for Maximum Opening Hinge egress.

E = Unit meets egress - clear opening $\geq$ 20" width, 24" height and 5.7 ft².

E* = Unit meets egress (1st floor) - clear opening $\geq$ 20" width, 24" height and 5.0 ft².

Elevations shown as frame size only. Brickmould detail and nail fin are omitted.

STATIONARY SINGLE UNITS

		18"	24"	28"	30"	36"	42"	48"	Rough Opening
		17 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"	41 1/2"	47 1/2"	Frame Width
		11 1/8"	17 1/8"	21 1/8"	23 1/8"	29 1/8"	35 1/8"	41 1/8"	Daylight Opening
18"	17 1/2"								
	17 1/8"	VCMT1818	VCMT2418	VCMT2818	VCMT3018	VCMT3618	VCMT4218	VCMT4818	
24"	23 1/2"								
	23 1/8"	VCMT1824	VCMT2424	VCMT2824	VCMT3024	VCMT3624	VCMT4224	VCMT4824	
30"	29 1/2"								
	29 1/8"	VCMT1830	VCMT2430	VCMT2830	VCMT3030	VCMT3630	VCMT4230	VCMT4830	
36"	35 1/2"								
	29 1/8"	VCMT1836	VCMT2436	VCMT2836	VCMT3036	VCMT3636	VCMT4236	VCMT4836	
42"	41 1/2"								
	35 1/8"	VCMT1842	VCMT2442	VCMT2842	VCMT3042	VCMT3642	VCMT4242	VCMT4842	
48"	47 1/2"								
	41 1/8"	VCMT1848	VCMT2448	VCMT2848	VCMT3048	VCMT3648	VCMT4248	VCMT4848	
54"	53 1/2"								
	47 1/8"	VCMT1854	VCMT2454	VCMT2854	VCMT3054	VCMT3654	VCMT4254	VCMT4854	

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing.

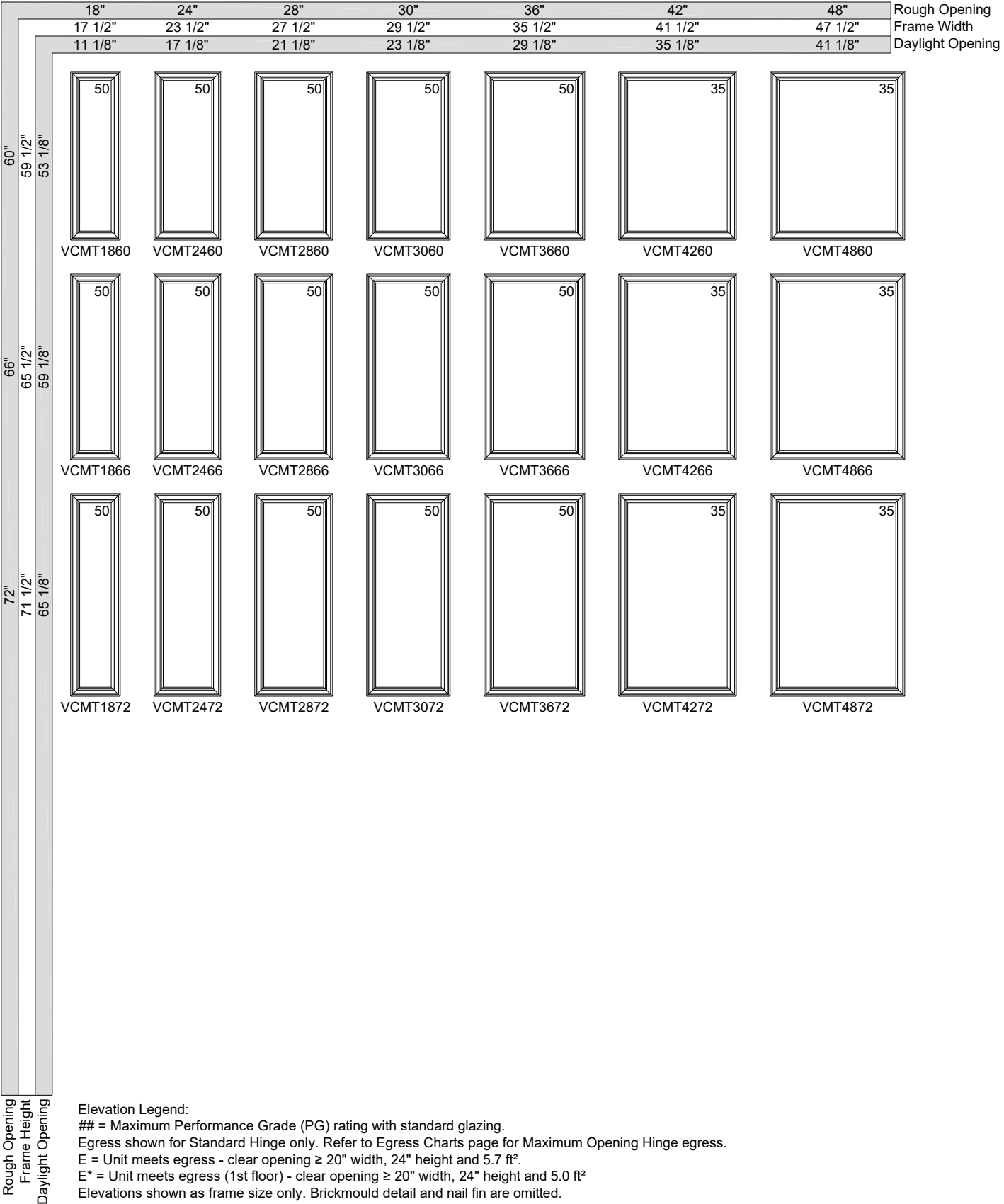
Egress shown for Standard Hinge only. Refer to Egress Charts page for Maximum Opening Hinge egress.

E = Unit meets egress - clear opening $\geq$ 20" width, 24" height and 5.7 ft².

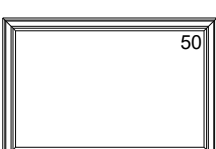
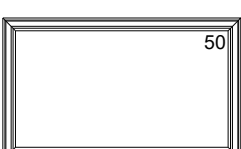
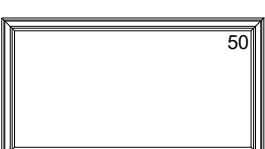
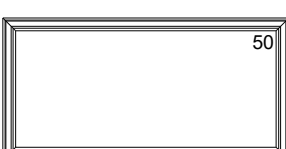
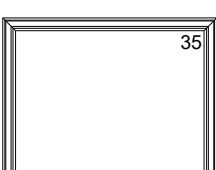
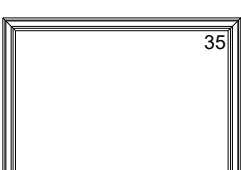
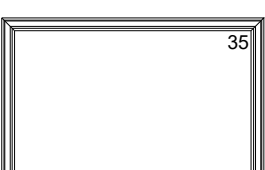
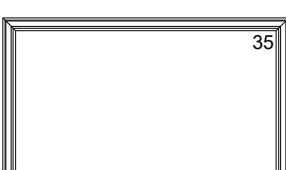
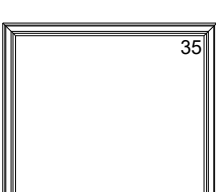
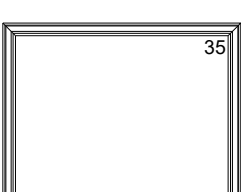
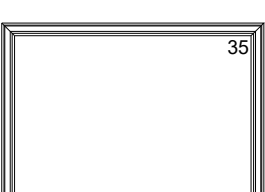
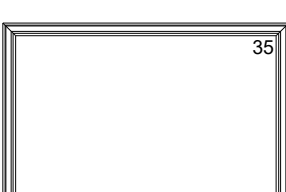
E* = Unit meets egress (1st floor) - clear opening $\geq$ 20" width, 24" height and 5.0 ft²

Elevations shown as frame size only. Brickmould detail and nail fin are omitted.

STATIONARY SINGLE UNITS



STATIONARY SINGLE UNITS

	54"	60"	66"	72"	
	53 1/2"	59 1/2"	65 1/2"	71 1/2"	Rough Opening
	47 1/8"	53 1/8"	59 1/8"	65 1/8"	Frame Width
					Daylight Opening
18"					
	VCMT5418	VCMT6018	VCMT6618	VCMT7218	
24"					
	VCMT5424	VCMT6024	VCMT6624	VCMT7224	
30"					
	VCMT5430	VCMT6030	VCMT6630	VCMT7230	
36"					
	VCMT5436	VCMT6036	VCMT6636	VCMT7236	
42"					
	VCMT5442	VCMT6042	VCMT6642	VCMT7242	
48"					
	VCMT5448	VCMT6048	VCMT6648	VCMT7248	

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing.

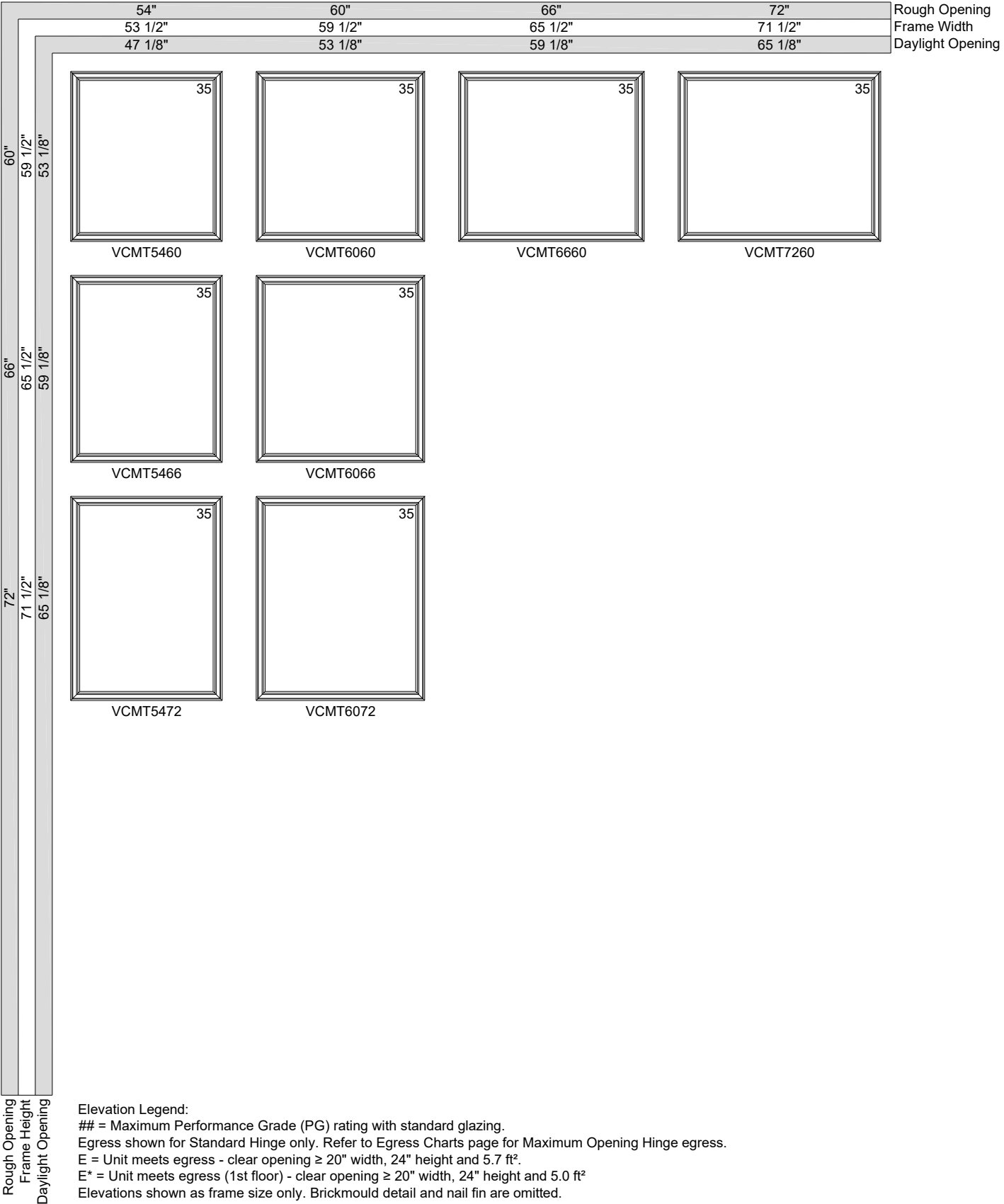
Egress shown for Standard Hinge only. Refer to Egress Charts page for Maximum Opening Hinge egress.

E = Unit meets egress - clear opening $\geq$ 20" width, 24" height and 5.7 ft².

E* = Unit meets egress (1st floor) - clear opening $\geq$ 20" width, 24" height and 5.0 ft²

Elevations shown as frame size only. Brickmould detail and nail fin are omitted.

STATIONARY SINGLE UNITS



Rough Opening

Frame Height

Daylight Opening