



SITELINE® | DOUBLE-HUNG

WOOD WINDOWS

ARCHITECTURAL DESIGN MANUAL | May 2024

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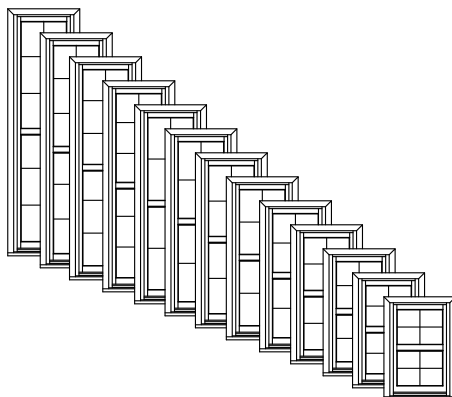
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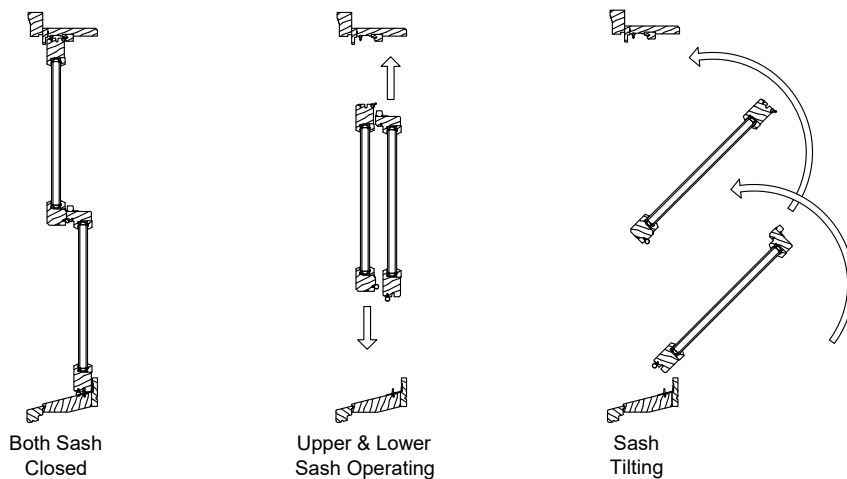
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GENERAL INFORMATION



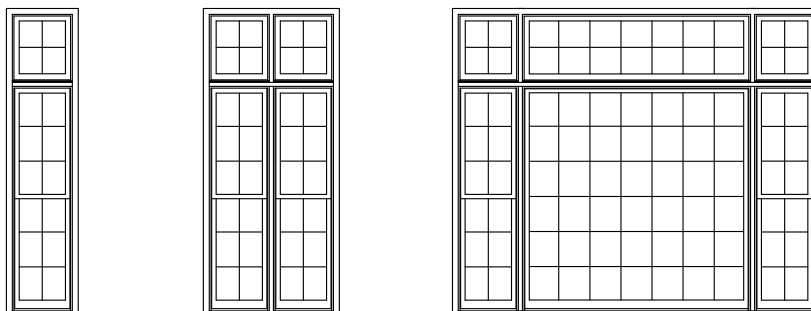
Dimensional Windows

Siteline® Wood Double-Hung windows may be specified as "dimensional", by adjusting the desired rough opening width or height. Siteline® Wood Double-Hung windows feature fully operating upper and lower sash which can be tilted or removed for easy cleaning.



Multiple Assemblies

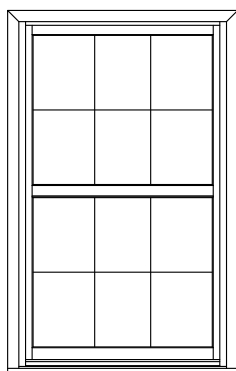
Siteline® Wood Double-Hung windows may be mulled beside other wood double-hung windows or to other wood window products to fulfill a wide variety of architectural design needs.



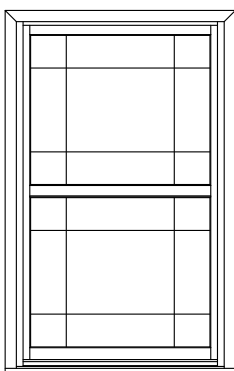
GRID PATTERNS

Siteline® Wood Double-Hung Windows are available with Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

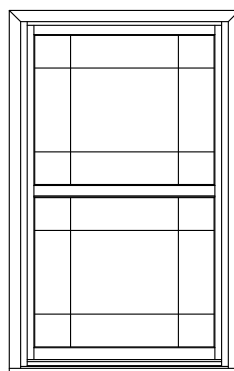
Special grid patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



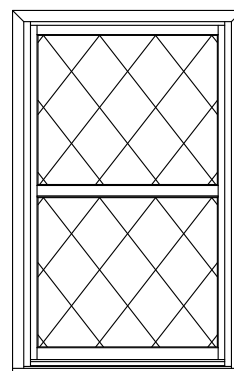
Colonial



Uneven



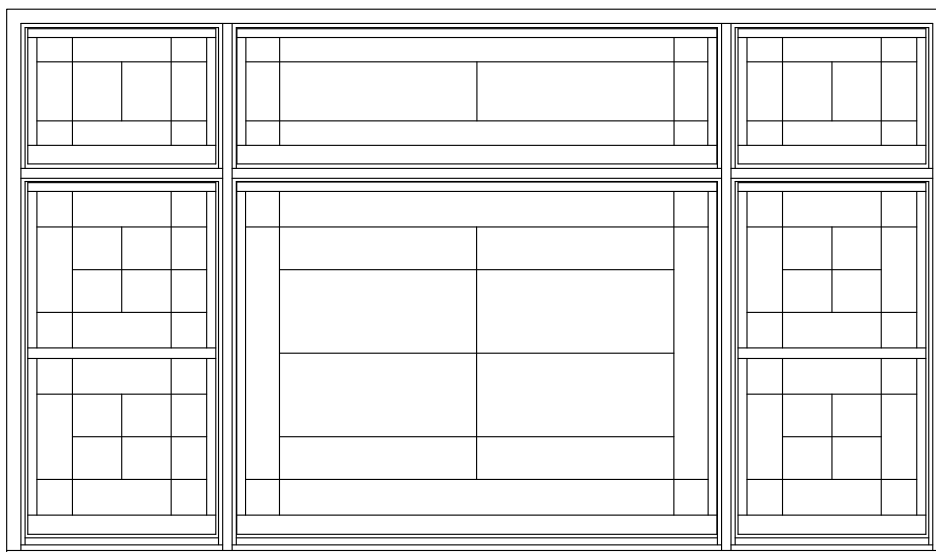
Prairie



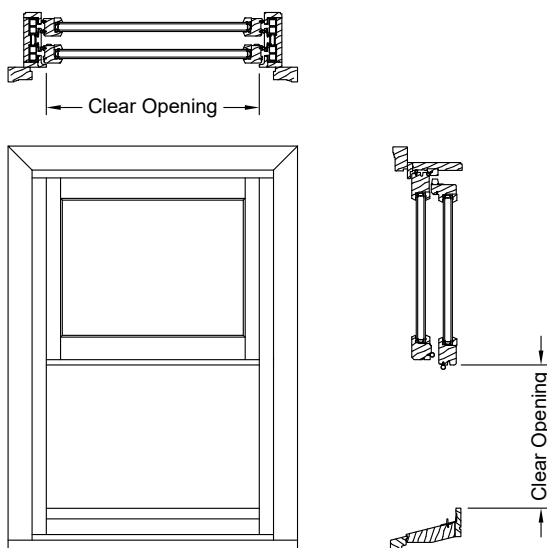
Diamond

Bar Alignment

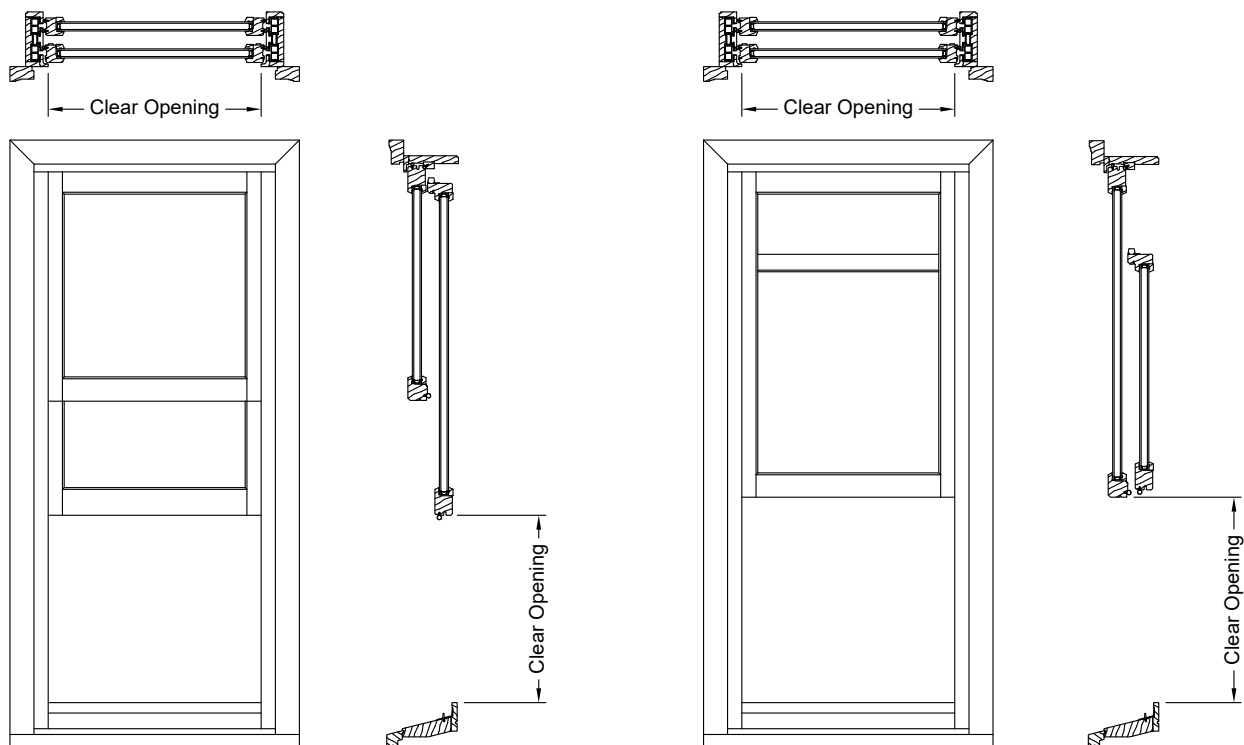
Alignment of bars from product to product is often required. SDL, GBG, and wood grilles may be specified with bars aligned.



CLEAR OPENING LAYOUT



Double-Hung (Even Divide)
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 2 27/32"



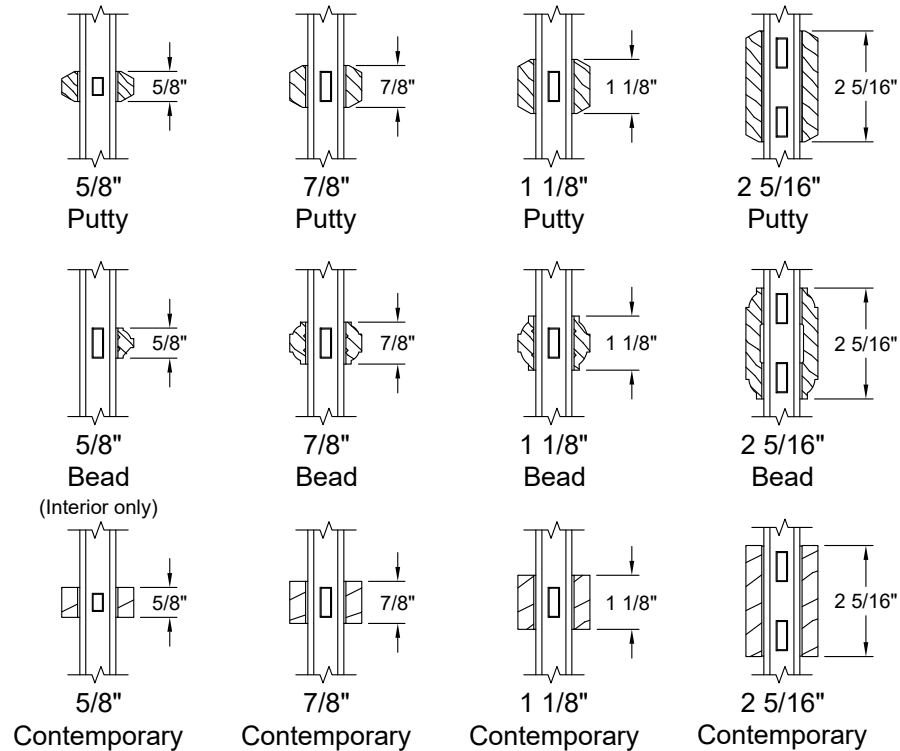
Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 8 5/32"

Reverse Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 7 29/32"

GRID, BOTTOM RAIL & GLASS STOP OPTIONS

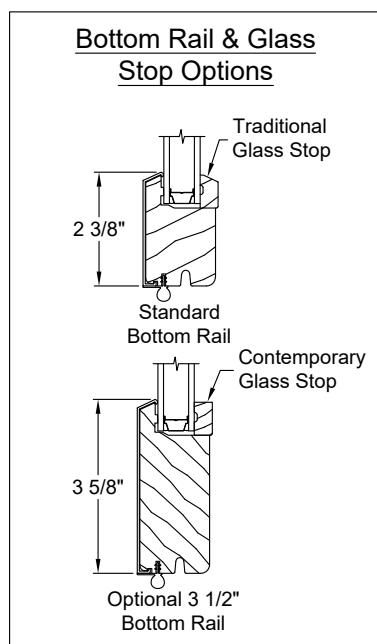
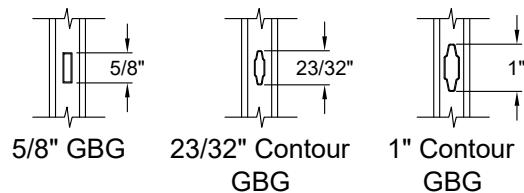
Exterior ← → Interior

SDL Options



Note: Various Combinations of the SDL Bars Shown are Available

GBG Options



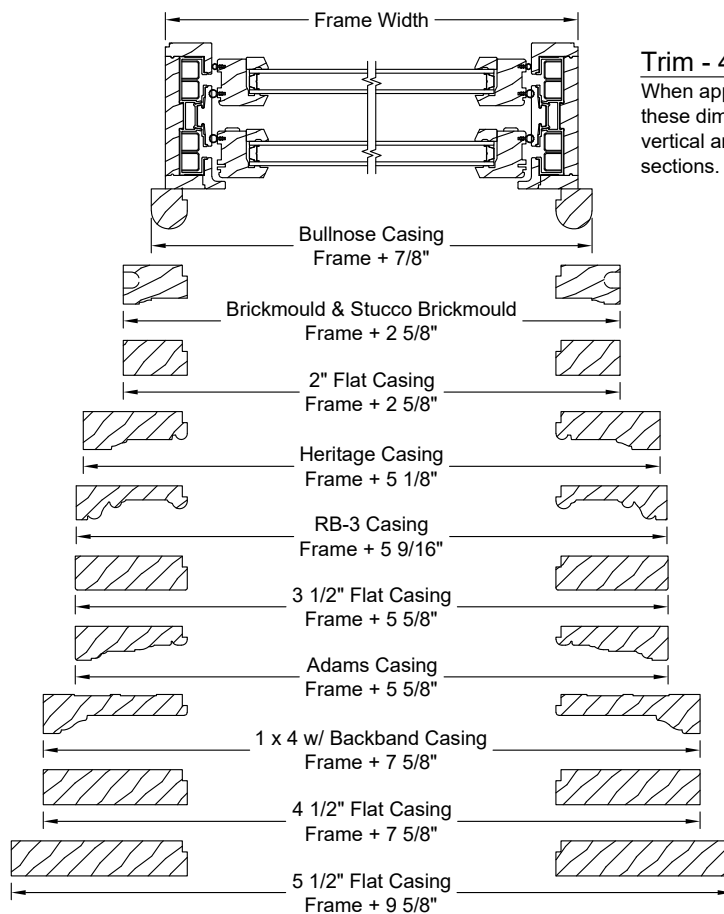
UNIT SIZING

Rough Opening

The frame size of the window plus 3/4".

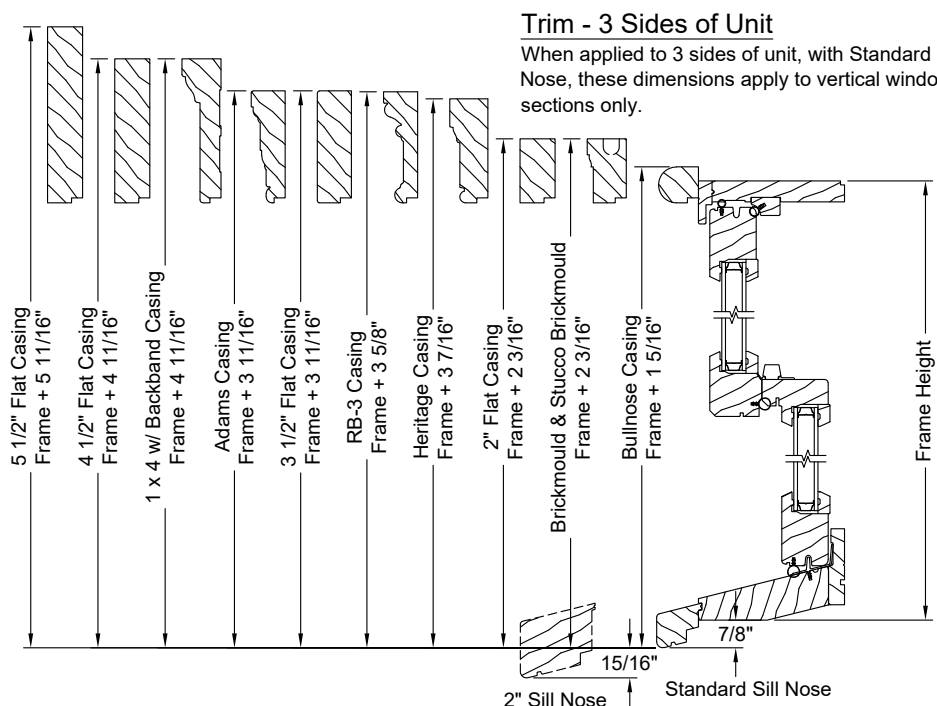
Masonry Opening

The overall size of the window, including trim, plus 1/2".



Trim - 4 Sides Of Unit

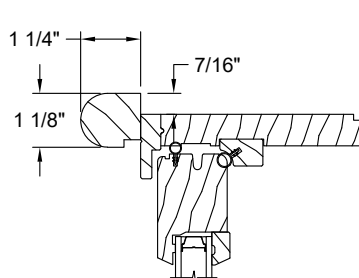
When applied to 4 sides of unit, these dimensions apply to both vertical and horizontal window sections.



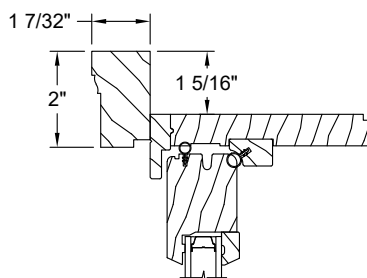
Trim - 3 Sides of Unit

When applied to 3 sides of unit, with Standard Sill Nose, these dimensions apply to vertical window sections only.

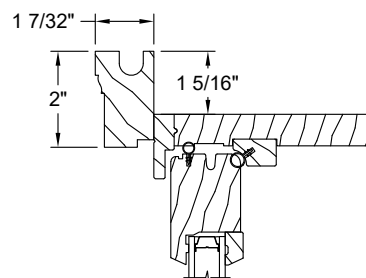
TRIM & SILL NOSE OPTIONS



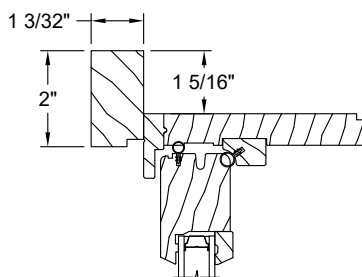
Bullnose Casing



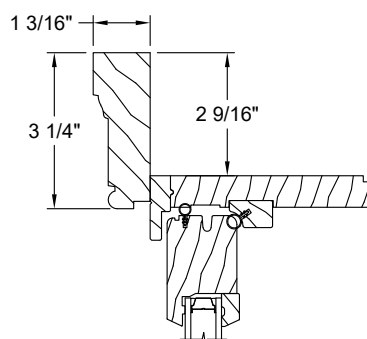
Brickmould



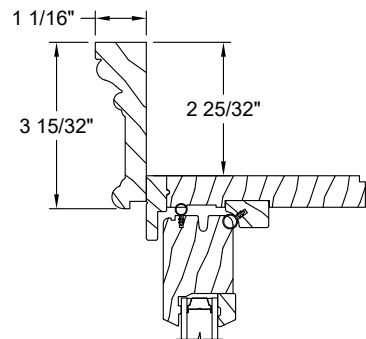
Stucco Brickmould



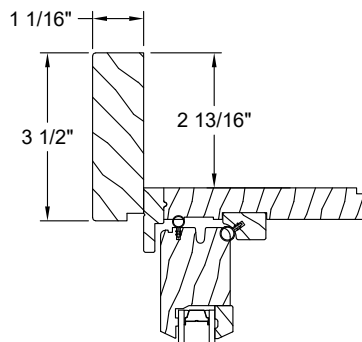
2" Flat Casing



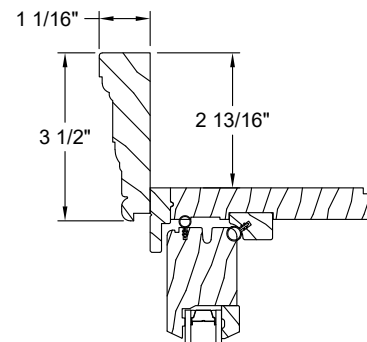
Heritage Casing



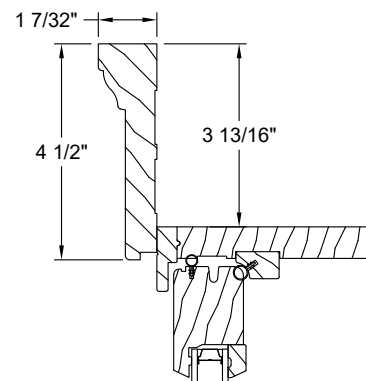
RB-3 Casing



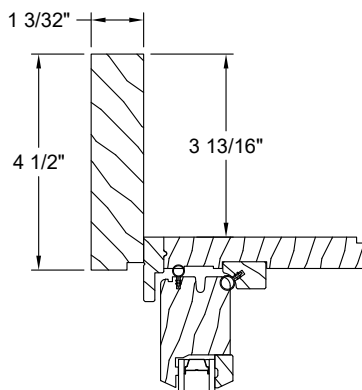
3 1/2" Flat Casing



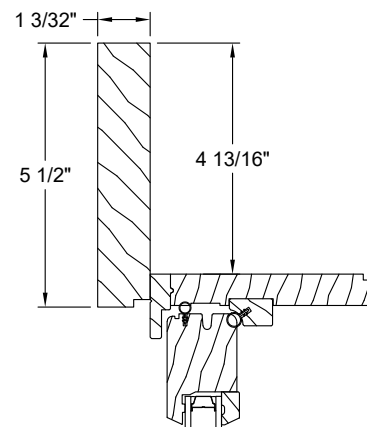
Adams Casing



1 x 4 w/ Backband Casing



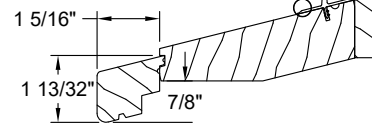
4 1/2" Casing



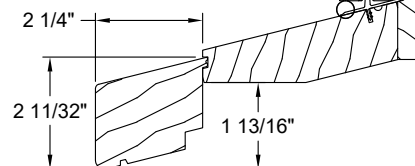
5 1/2" Casing

Sill Nose Options

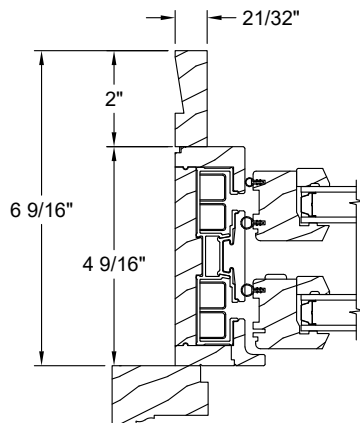
Standard Sill Nose



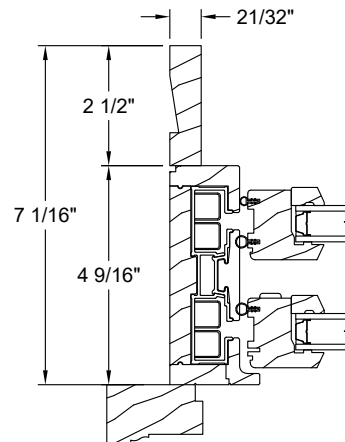
2" Sill Nose



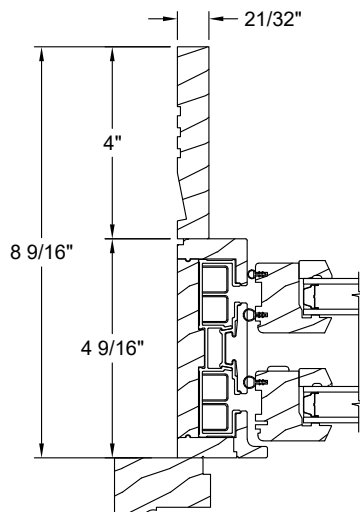
JAMB EXTENDER & PREP FOR STOOL OPTIONS



6 9/16" Jamb Width
4/4 Jamb Thickness



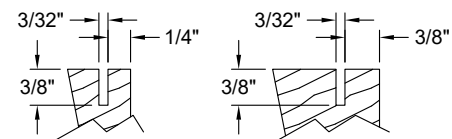
7 1/16" Jamb Width
4/4 Jamb Thickness



8 9/16" Jamb Width
4/4 Jamb Thickness

Return Kerf:

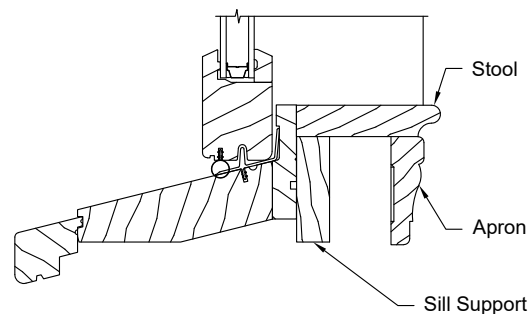
Generally located from first visible interior frame line. Kerfed option available on all jamb extender sizes.



4/4 Jamb Typ.

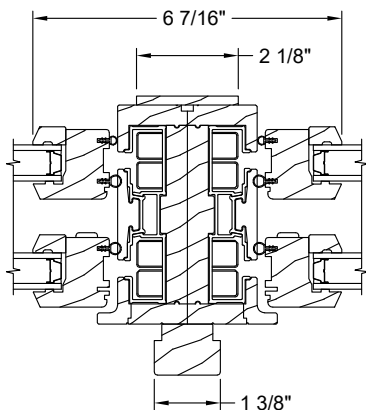
5/4 Jamb Typ.

Prep for Stool

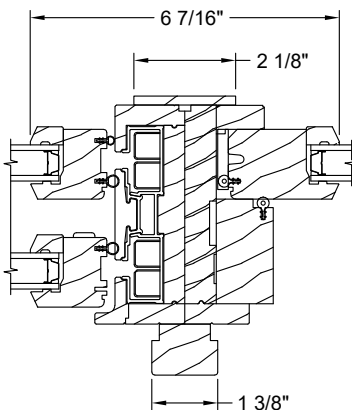


Stool, apron, and sill support are applied by trim carpenter after window is installed and are not provided by JELD-WEN. Unit is shipped without sill jamb extenders.

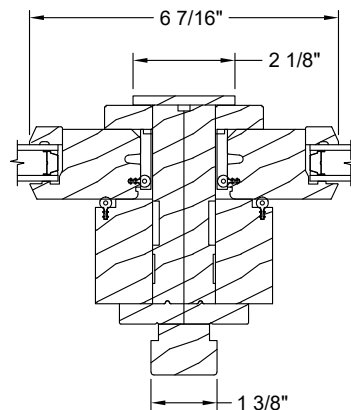
MULLION OPTIONS



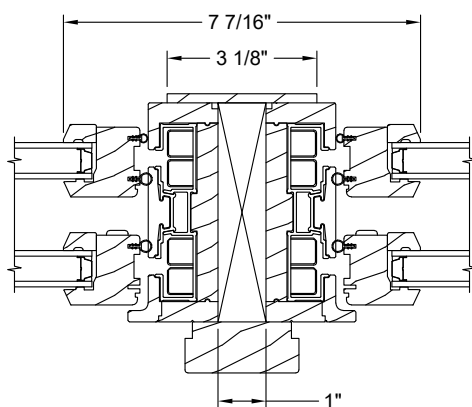
Operator | Operator



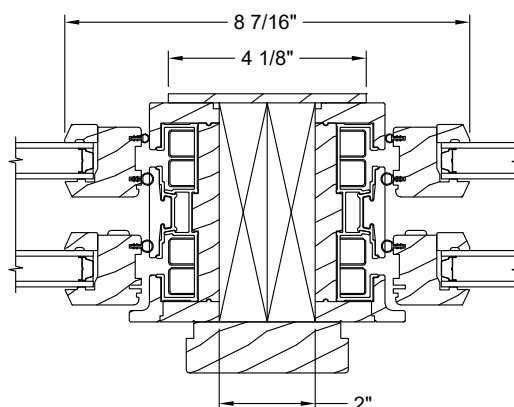
Operator | Stationary



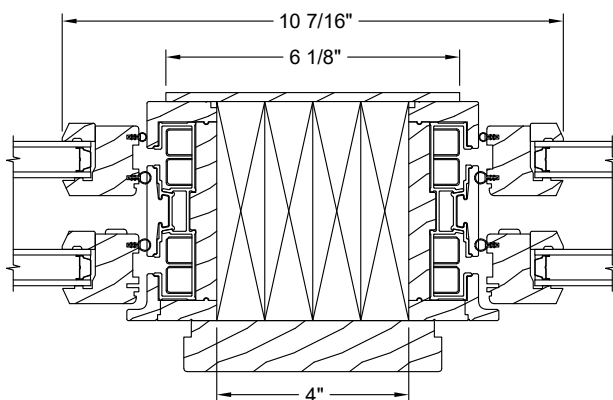
Stationary | Stationary



Operator | Operator
with 1" Solid Spread Mull

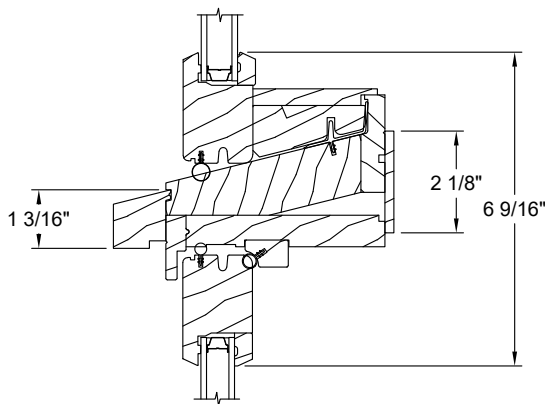


Operator | Operator
with 2" Solid Spread Mull

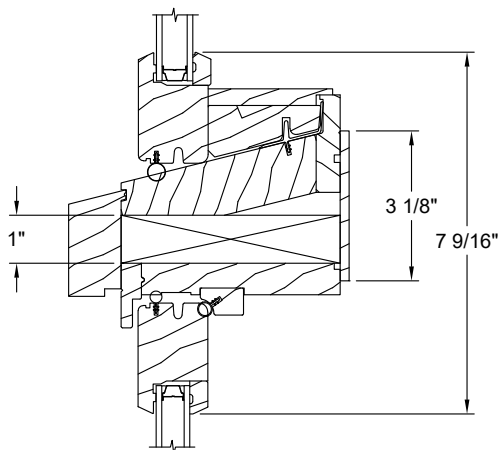


Operator | Operator
with 4" Solid Spread Mull

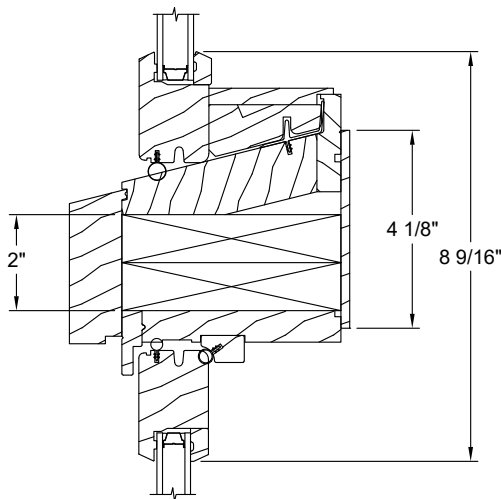
MULLION OPTIONS



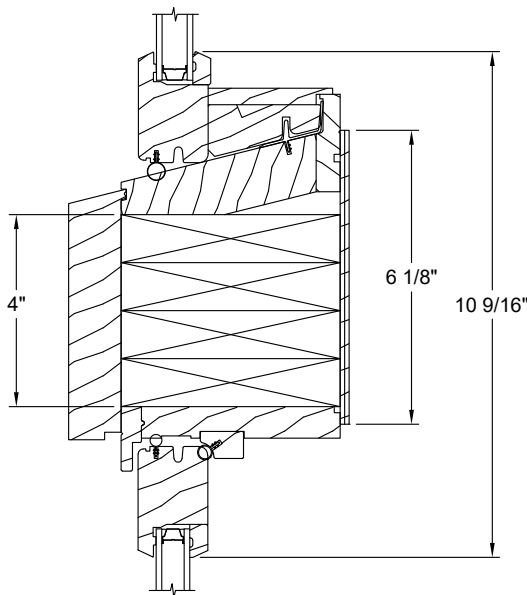
Transom
Operator



Transom
Operator
With 1" Solid Spread Mull

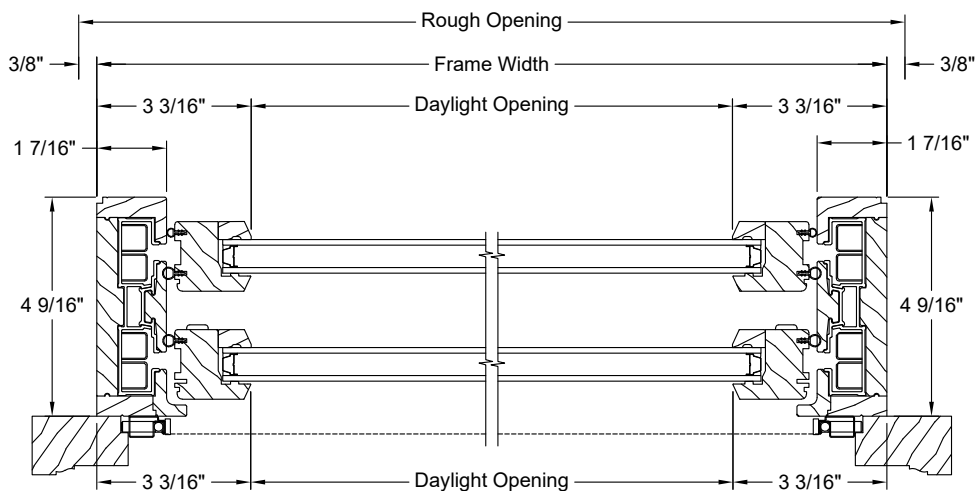
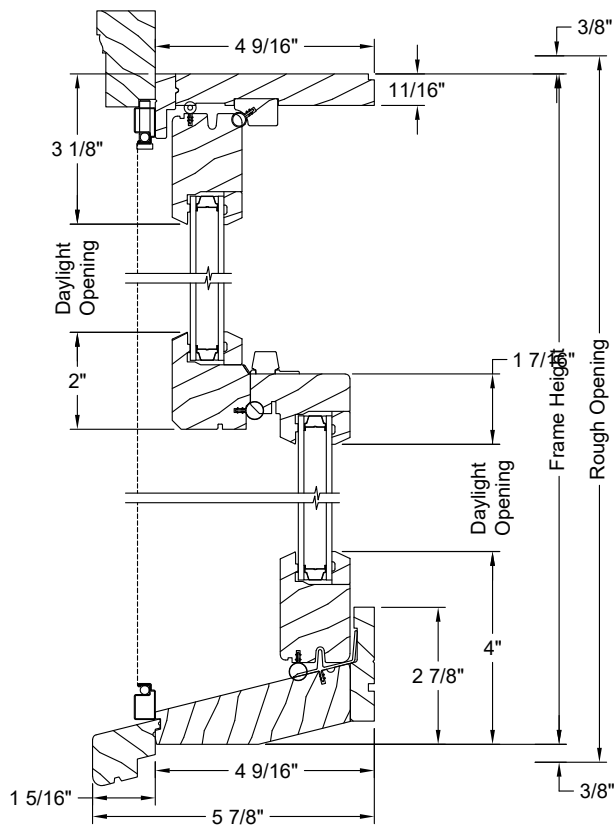
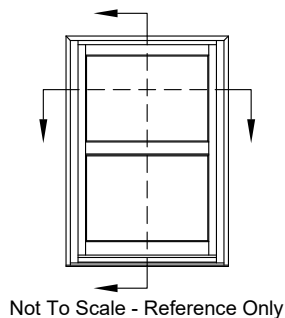


Transom
Operator
With 2" Solid Spread Mull



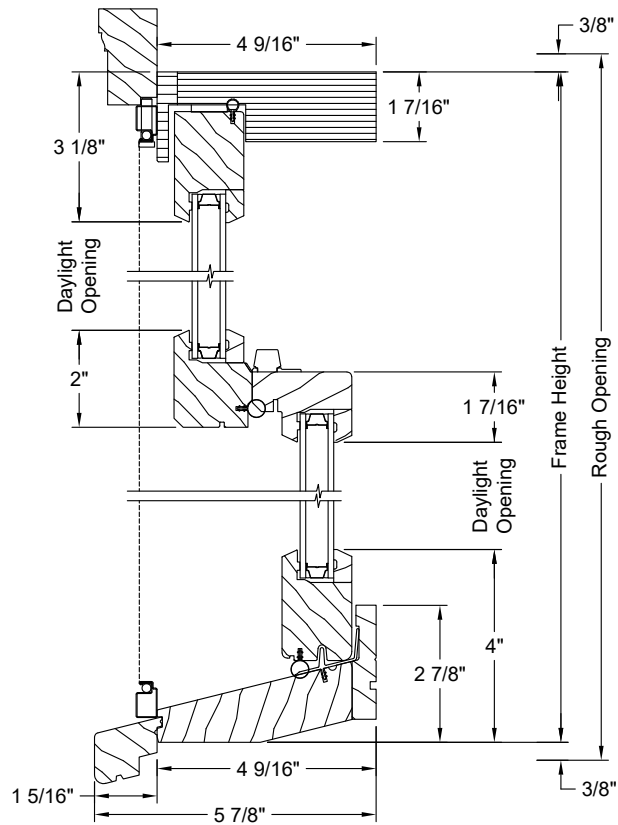
Transom
Operator
With 4" Solid Spread Mull

OPERATOR SECTIONS - STANDARD

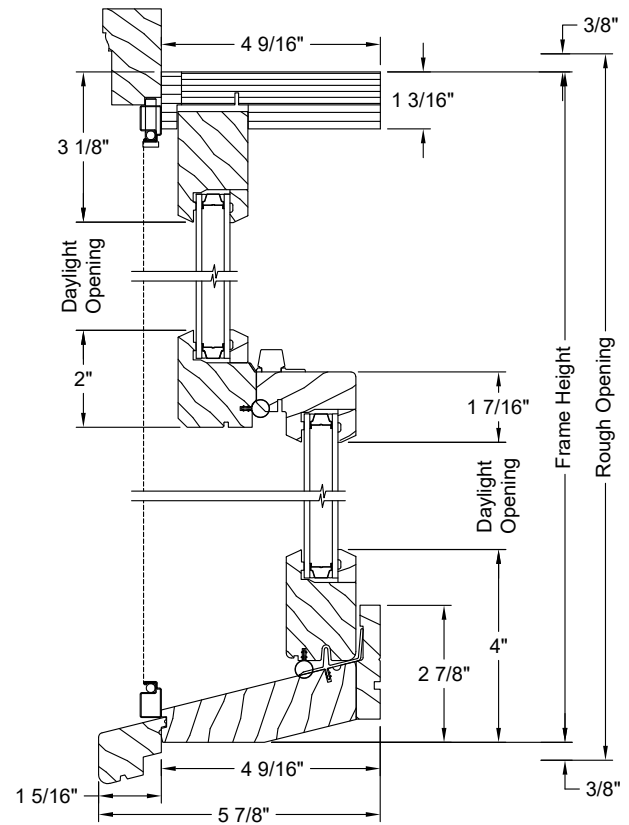


OPERATOR SECTIONS - RADIUS TOP / SEGMENT HEAD

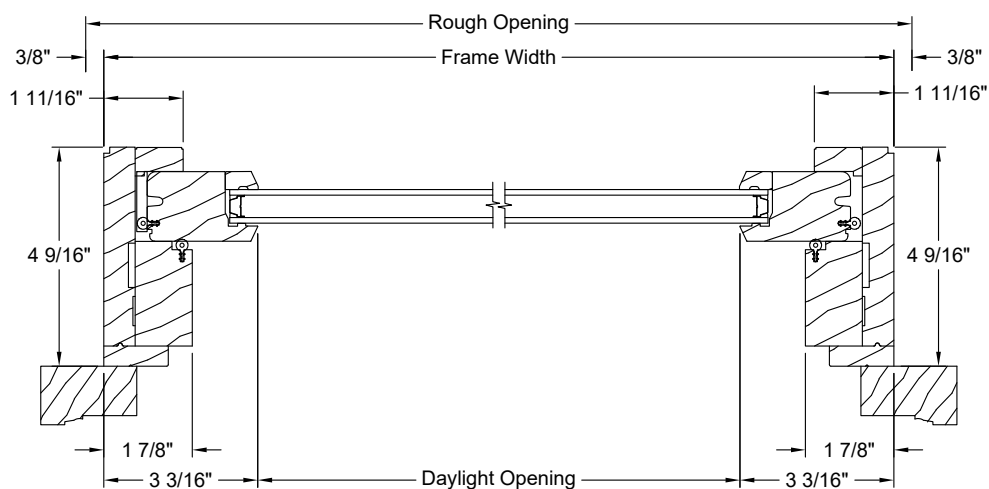
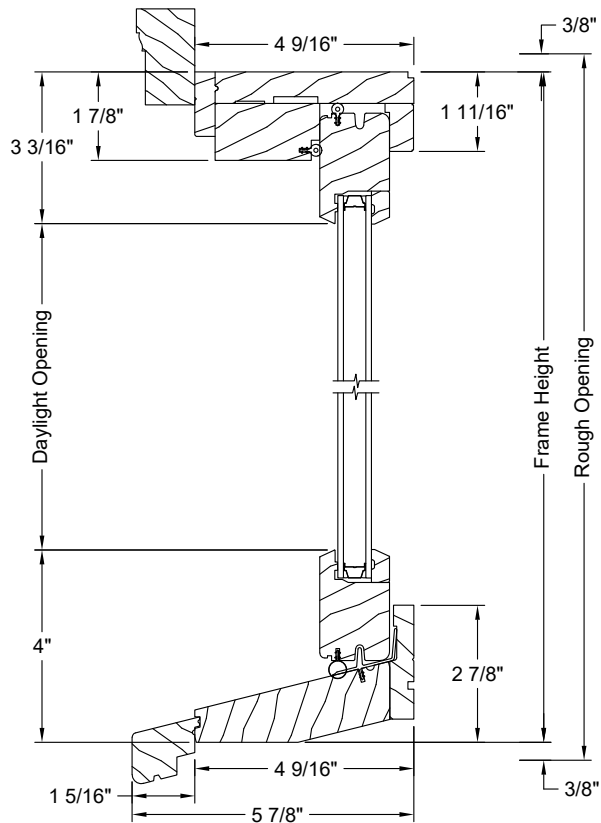
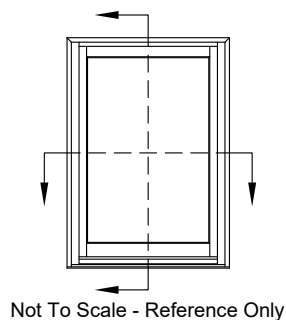
Operator Radius-Top



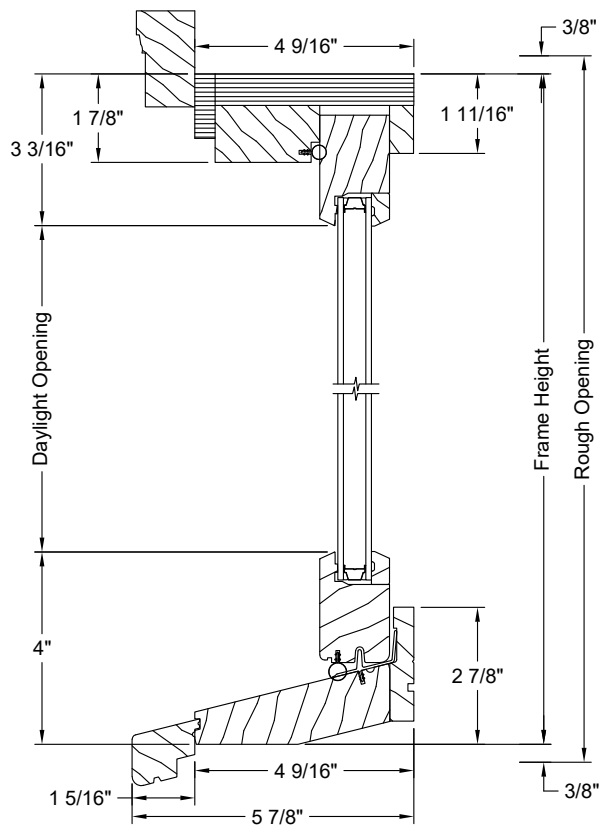
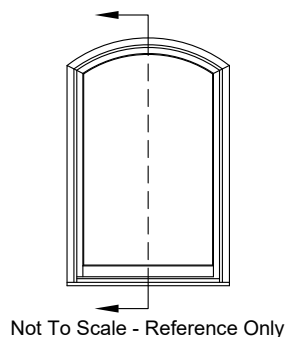
Operator Segment Head



FIXED SECTIONS - STANDARD

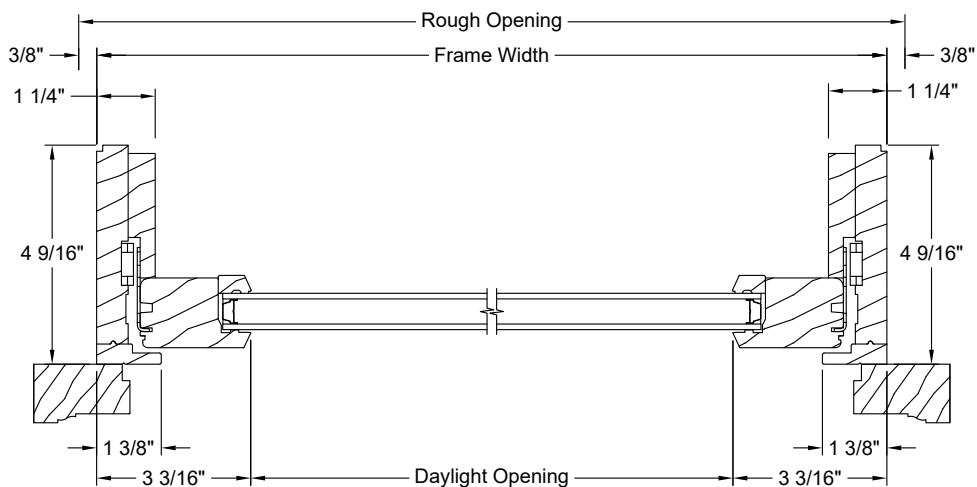
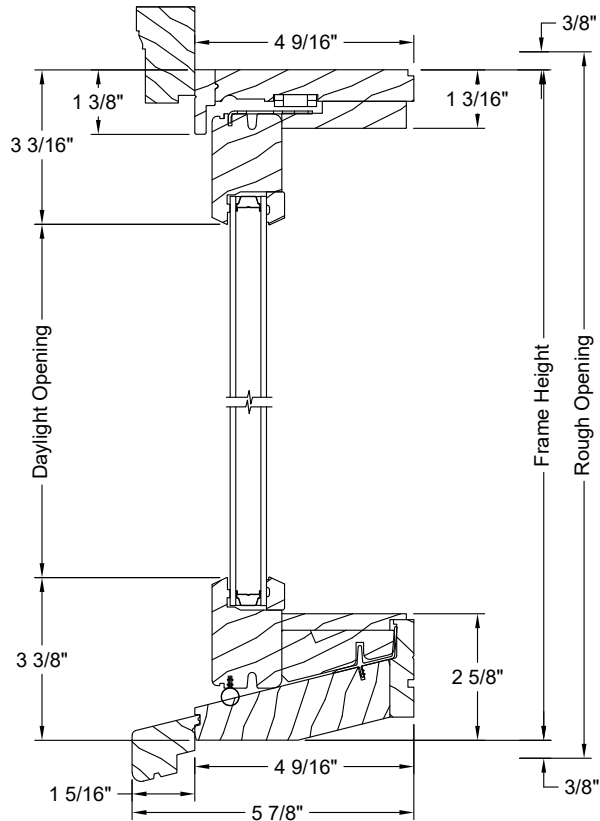
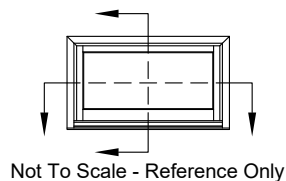


FIXED SECTIONS - RADIUS TOP / SEGMENT HEAD

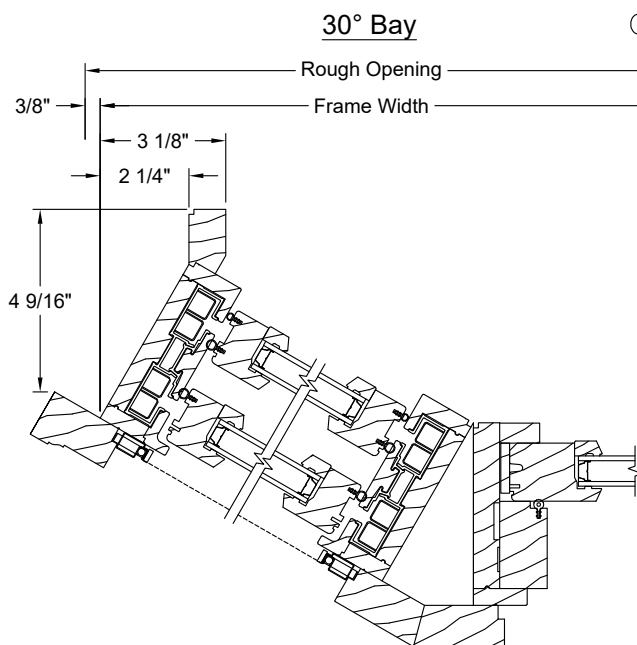
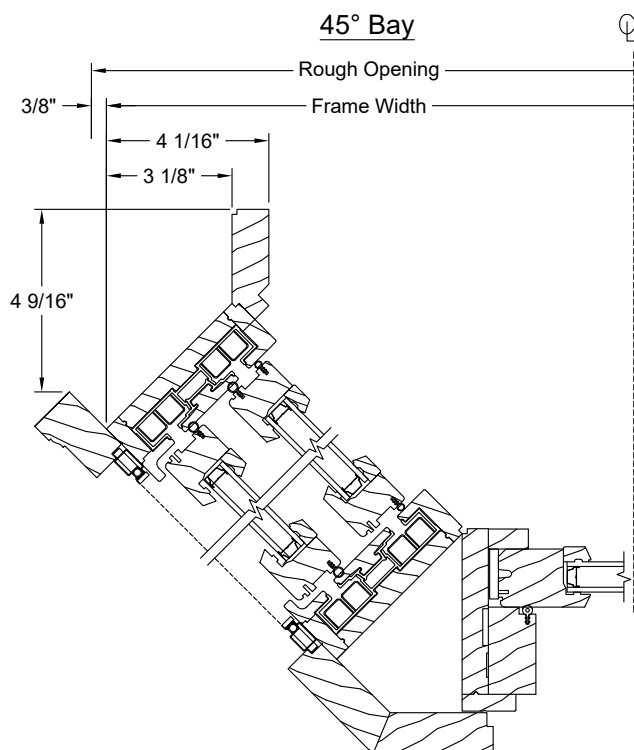
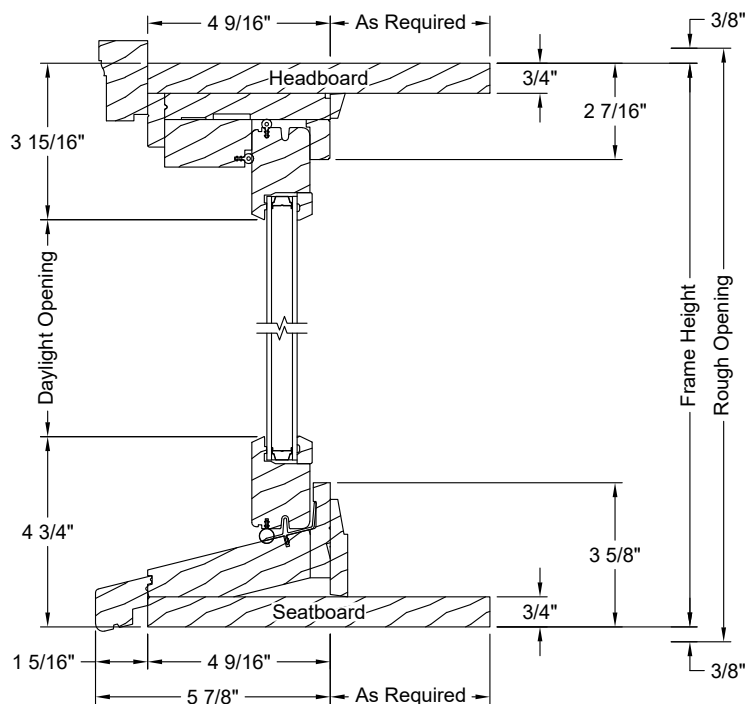


Picture Radius-Top & Picture Segment Head have the same cross-section.

TRANSOM SECTIONS

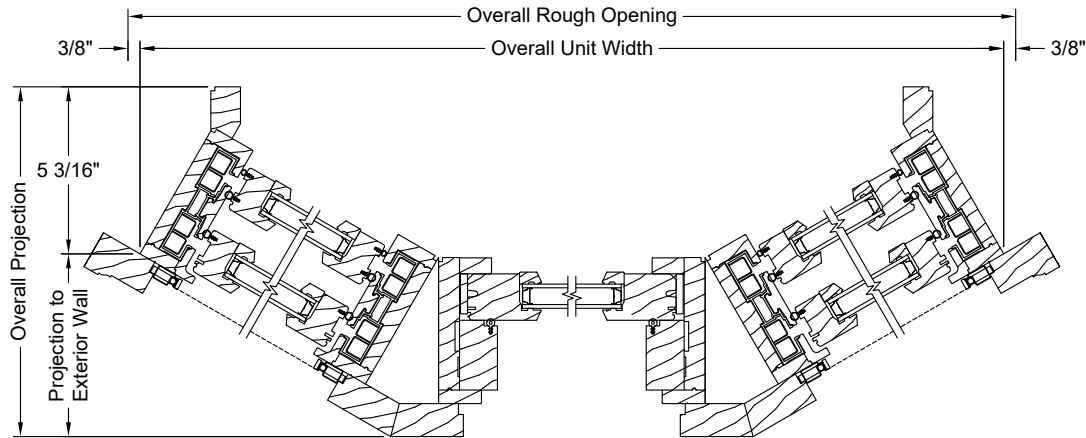


BAY - STANDARD SECTIONS



Horizontal views are symmetrical across centerline.

BAY - STANDARD PROJECTIONS



30° Bay				
Flanker Width	Overall Unit Width*	Overall Rough Opening*	Projection to Exterior Wall	Overall Projection
21 3/8"	85 5/8"	86 3/8"	11 5/16"	16 1/2"
25 3/8"	92 9/16"	93 5/16"	13 5/16"	18 1/2"
29 3/8"	99 1/2"	100 1/4"	15 5/16"	20 1/2"
31 3/8"	102 15/16"	103 11/16"	16 5/16"	21 1/2"
33 3/8"	106 7/16"	107 3/16"	17 5/16"	22 1/2"
37 3/8"	113 3/8"	114 1/8"	19 5/16"	24 1/2"
41 3/8"	120 5/16"	121 1/16"	21 5/16"	26 1/2"
45 3/8"	127 3/16"	127 15/16"	23 5/16"	28 1/2"
45° Bay				
Frame Width	Overall Unit Width*	Overall Rough Opening*	Projection to Exterior Wall	Overall Projection
21 3/8"	80 3/4"	81 1/2"	16 7/16"	21 15/16"
25 3/8"	86 3/8"	87 1/8"	19 1/4"	24 3/4"
29 3/8"	92 1/16"	92 13/16"	22 1/8"	27 5/8"
31 3/8"	94 7/8"	95 5/8"	23 1/2"	29"
33 3/8"	97 11/16"	98 7/16"	24 15/16"	30 7/16"
37 3/8"	103 3/8"	104 1/8"	27 3/4"	33 1/4"
41 3/8"	109"	109 3/4"	30 9/16"	36 1/16"
45 3/8"	114 11/16"	115 7/16"	33 7/16"	38 15/16"

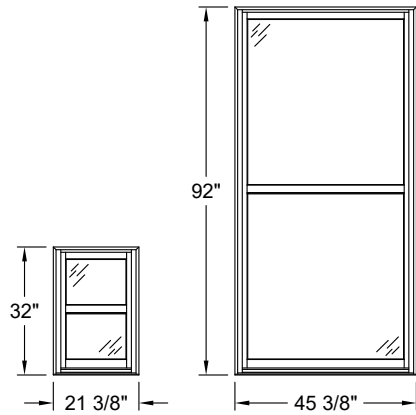
30° bay shown for reference only.

Table values calculated using 4 9/16" jamb depths and standard nail fin.

* Overall Unit Width and Overall Rough Opening calculated using a 44 1/16" Center Frame Width. To calculate the values with a different Center Frame Width, add the difference of the Center Frame Widths to the overall width values.

MIN-MAX STANDARD SIZING

Operator Rectangle Units



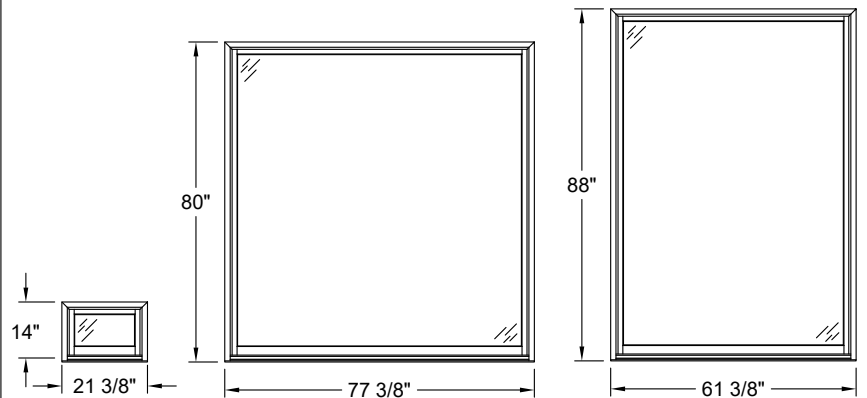
Minimum Size:
21 3/8" x 32"

Maximum Size:
45 3/8" x 92"

Standard Widths				
21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"
35 3/8"	37 3/8"	41 3/8"	45 3/8"	

Standard Heights				
32"	36"	40"	44"	48"
52"	56"	60"	64"	68"
72"	76"	80"	88"	92"

Stationary Rectangle Units



Minimum Size:
21 3/8" x 14"

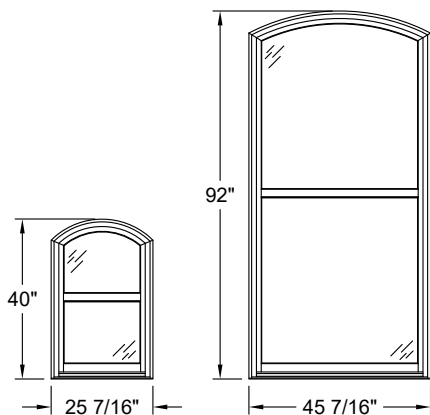
Maximum Width Size:
77 3/8" x 80"

Maximum Height Size:
61 3/8" x 88"

Standard Widths						
21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"
41 3/8"	45 3/8"	49 3/8"	53 3/8"	61 3/8"	69 3/8"	77 3/8"

Standard Heights						
15"	18"	24"	32"	36"	40"	44"
48"	52"	56"	60"	64"	68"	72"
76"	80"	88"				

Operator Extended Circle Segment Units



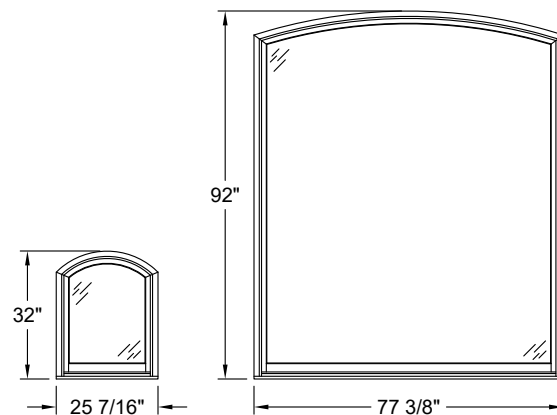
Minimum Size:
25 3/8" x 40"

Maximum Size:
45 3/8" x 92"

Standard Widths				
25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"
37 3/8"	41 3/8"	45 3/8"		

Standard Heights				
40"	44"	48"	52"	56"
60"	64"	68"	72"	76"
80"	88"	92"		

Fixed Extended Circle Segment Units



Minimum Size:
25 3/8" x 32"

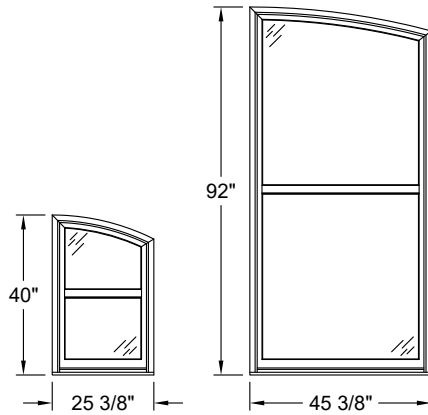
Maximum Size:
77 3/8" x 92"

Standard Widths						
25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"	41 3/8"	45 3/8"
49 3/8"	53 3/8"	61 3/8"	69 3/8"	77 3/8"		

Standard Heights						
32"	36"	40"	44"	48"	52"	56"
60"	64"	68"	72"	76"	80"	88"
92"						

MIN-MAX STANDARD SIZING

Operator Extended Quarter Segment Units

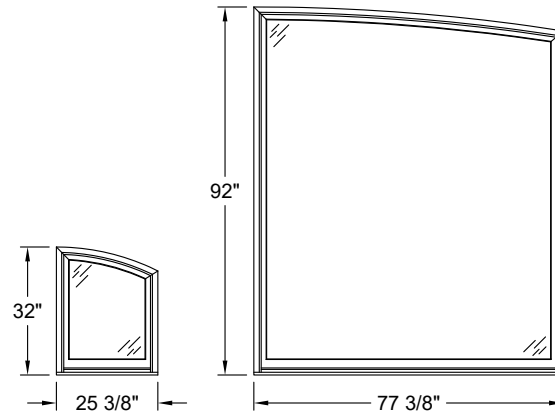


Minimum Size:
25 3/8" x 40"

Maximum Size:
45 3/8" x 92"

Standard Widths				
25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"
41 3/8"	45 3/8"			
Standard Heights				
40"	44"	48"	52"	56"
60"	64"	68"	72"	76"
80"	88"	92"		

Fixed Extended Quarter Segment Units

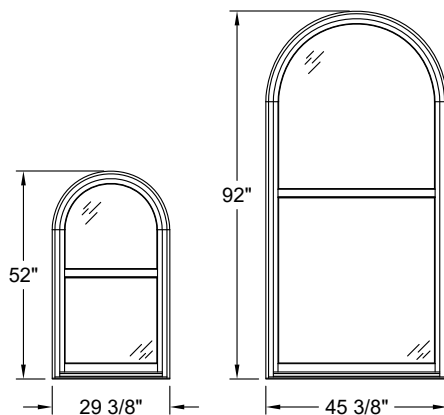


Minimum Size:
25 3/8" x 32"

Maximum Size:
77 3/8" x 92"

Standard Widths						
25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"	41 3/8"	45 3/8"
49 3/8"	53 3/8"	61 3/8"	69 3/8"	77 3/8"		
Standard Heights						
32"	36"	40"	44"	48"	52"	56"
60"	64"	68"	72"	76"	80"	88"
92"						

Operator Extended Half Round Units

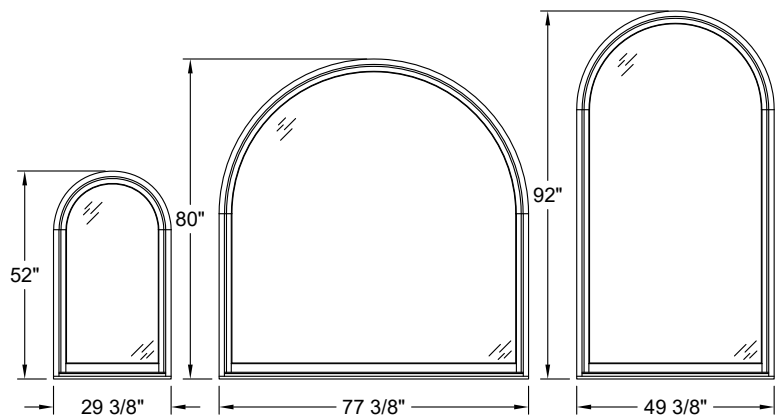


Minimum Size:
29 3/8" x 52"

Maximum Size:
45 3/8" x 92"

Standard Widths				
25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"
41 3/8"	45 3/8"			
Standard Heights				
52"	56"	60"	64"	68"
72"	76"	80"	88"	92"

Fixed Extended Half Round Units



Minimum Size:
29 3/8" x 52"

Maximum Width:
77 3/8" x 80"

Maximum Height:
49 3/8" x 92"

Standard Widths						
29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	41 3/8"	45 3/8"
49 3/8"	53 3/8"	61 3/8"	69 3/8"	77 3/8"		
Standard Heights						
52"	56"	60"	64"	68"	72"	76"
80"	88"	92"				

FORMULAS

Understanding JELD-WEN Book Codes:

Siteline® Product	Prefix	Width Code	Height Code
Wood Double-Hung	SWD	WW	HH
Wood Double-Hung Fixed	SWDP		
Wood Double-Hung Transom	SWDT		
Wood Double-Hung Extended Circle Segment	SWDS		
Wood Double-Hung Fixed Extended Circle Segment	SWDSP		
Wood Double-Hung Extended Quarter Segment	SWDQTRS		
Wood Double-Hung Fixed Extended Quarter Segment	SWDQFP		
Wood Double-Hung Extended Half Round	SWDH		
Wood Double-Hung Fixed Extended Half Round	SWDHP		

Sample Book Code:

SWD3548 = Siteline® Wood Double-Hung, 35 3/8" x 48" Frame Size

Standard Unit Formulas	
Rough Opening	$(\text{Frame Width} + 3/4") \times (\text{Frame Height} + 3/4")$
Masonry Opening	$(\text{Overall Width} + 1/2") \times (\text{Overall Height} + 1/2")$
Daylight Opening ft ² (Standard)	$((\text{Frame Width} - 6 3/8") \times (\text{Frame Height} - 9 1/2")) / 144$
Daylight Opening ft ² (Fixed)	$((\text{Frame Width} - 6 9/16") \times (\text{Frame Height} - 7 3/16")) / 144$
Clear Opening ft ²	
Rectangle	$((\text{Frame Width} - 3 3/4") \times (\text{Frame Height} / 2 - 3 21/32")) / 144$
Circle / Quarter Segment	$((\text{Frame Width} - 3 3/4") \times (\text{Frame Height} / 2 - 11 17/32")) / 144$
Half Round	$((\text{Frame Width} - 3 3/4") \times ((\text{Frame Height} / 2) - (\text{Frame Width} / 2) - 3 21/32")) / 144$

"Overall" dimensions include frame and trim.
Unit elevations are shown without exterior trim and with an even vent division.
For Extended Quarter and Circle Segment Units, Leg Height = Frame Height - 6".

EGRESS CHARTS

Standard Rectangle Units									
Height (Inches)	Width (Inches)								
	21 3/8	25 3/8	29 3/8	31 3/8	33 3/8	35 3/8	37 3/8	41 3/8	45 3/8
	32	1.51	1.85	2.20	2.37	2.54	2.71	2.88	3.23
	36	1.76	2.15	2.55	2.75	2.95	3.15	3.35	4.15
	40	2.00	2.45	2.91	3.14	3.36	3.59	3.82	4.72
	44	2.25	2.75	3.26	3.52	3.77	4.03	4.28	5.30
	48	2.49	3.06	3.62	3.90	4.19	4.47	4.75	5.88
	52	2.73	3.36	3.98	4.29	4.60	4.91	5.22	6.46
	56	2.98	3.66	4.33	4.67	5.01	5.35	5.68	7.04
	60	3.22	3.96	4.69	5.05	5.42	5.79	6.15	7.62
	64	3.47	4.26	5.04	5.44	5.83	6.22	6.62	8.19
	68	3.71	4.56	5.40	5.82	6.24	6.66	7.09	8.77
	72	3.96	4.86	5.76	6.20	6.65	7.10	7.55	9.35
	76	4.20	5.16	6.11	6.59	7.07	7.54	8.02	9.93
	80	4.45	5.46	6.47	6.97	7.48	7.98	8.49	10.51
	88	4.94	6.06	7.18	7.74	8.30	8.86	9.42	11.66
	92	5.18	6.36	7.54	8.12	8.71	9.30	9.89	12.24

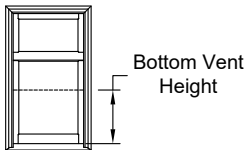
Standard Extended Circle & Quarter Segment Units								
Height (Inches)	Width (Inches)							
	25 3/8	29 3/8	31 3/8	33 3/8	37 3/8	41 3/8	45 3/8	
	40	1.27	1.51	1.62	1.74	1.98	2.21	2.45
	44	1.57	1.86	2.01	2.15	2.44	2.74	3.03
	48	1.87	2.22	2.39	2.57	2.91	3.26	3.60
	52	2.17	2.57	2.78	2.98	3.38	3.78	4.18
	56	2.47	2.93	3.16	3.39	3.85	4.30	4.76
	60	2.77	3.29	3.54	3.80	4.31	4.83	5.34
	64	3.07	3.64	3.93	4.21	4.78	5.35	5.92
	68	3.37	4.00	4.31	4.62	5.25	5.87	6.49
	72	3.67	4.35	4.69	5.03	5.71	6.39	7.07
	76	3.97	4.71	5.08	5.45	6.18	6.92	7.65
	80	4.28	5.07	5.46	5.86	6.65	7.44	8.23
	88	4.88	5.78	6.23	6.68	7.58	8.48	9.39
	92	5.18	6.13	6.61	7.09	8.05	9.01	9.96

Standard Extended Half Round Units							
Height (Inches)	Width (Inches)						
	29 3/8	31 3/8	33 3/8	35 3/8	37 3/8	41 3/8	45 3/8
	52	1.36	1.28	1.16	-	-	-
	56	1.72	1.66	1.58	1.46	1.32	-
	60	2.07	2.04	1.99	1.90	1.79	-
	64	2.43	2.43	2.40	2.34	2.25	1.64
	68	2.79	2.81	2.81	2.78	2.72	2.21
	72	3.14	3.20	3.22	3.22	3.19	2.79
	76	3.50	3.58	3.63	3.66	3.66	3.37
	80	3.85	3.96	4.04	4.10	4.12	3.95
	88	4.57	4.73	4.87	4.98	5.06	5.10
	92	4.92	5.11	5.28	5.42	5.52	5.68

- Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.7ft².
- Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.0ft².
- ## Indicates the clear opening square footage.

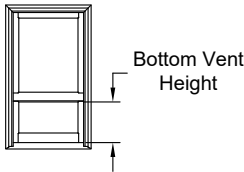
Local codes may differ; always refer to the codes in your area for complete requirements.

COTTAGE VENT LAYOUTS



Cottage Double-Hung

		Available Bottom Vent Height (Inches)												
Height (Inches)		19 1/32	21 1/32	23 1/32	25 1/32	27 1/32	29 1/32	31 1/32	33 1/32	35 1/32	37 1/32	39 1/32	43 1/32	45 1/32
	32													
	36													
	40													
	44													
	48													
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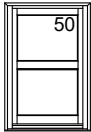
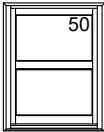
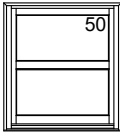
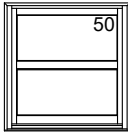
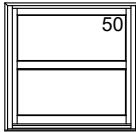
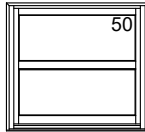
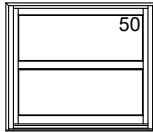
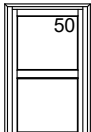
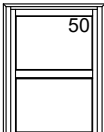
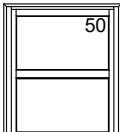
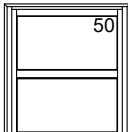
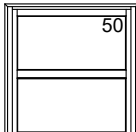
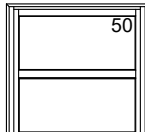
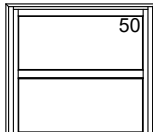
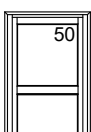
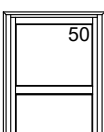
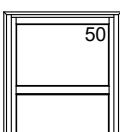
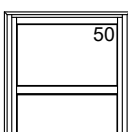
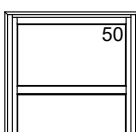
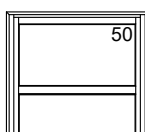
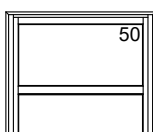
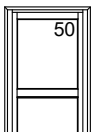
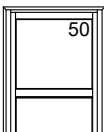
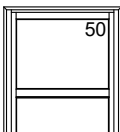
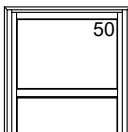
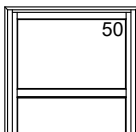
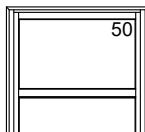
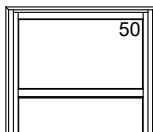
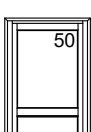
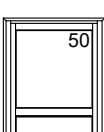
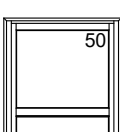
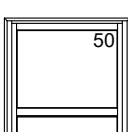
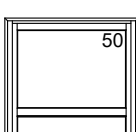
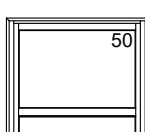
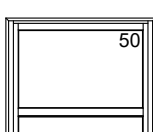
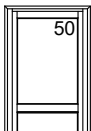
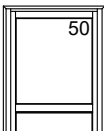
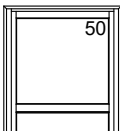
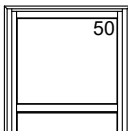
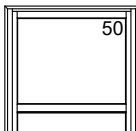
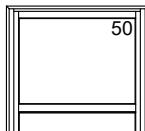
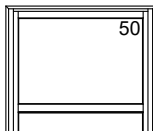


Reverse Cottage Double-Hung

		Available Bottom Vent Height (Inches)										
Height (Inches)		15 1/32	17 1/32	19 1/32	21 1/32	23 1/32	25 1/32	27 1/32	29 1/32	31 1/32	33 1/32	35 1/32
	32											
	36											
	40											
	44											
	48											
	52											
	56											
	60											
	64											
	68											
	72											
	76											
	80											
	88											
	92											

Elevations shown for reference only.

STANDARD UNITS - RECTANGLE

	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	15"	19"	23"	25"	27"	29"	31"	Daylight Opening
32 3/4"								
32"	SWD2132	SWD2532	SWD2932	SWD3132	SWD3332	SWD3532	SWD3732	
36 3/4"								
36"	SWD2136	SWD2536	SWD2936	SWD3136	SWD3336	SWD3536	SWD3736	
40 3/4"								
40"	SWD2140	SWD2540	SWD2940	SWD3140	SWD3340	SWD3540	SWD3740	
44 3/4"								
44"	SWD2144	SWD2544	SWD2944	SWD3144	SWD3344	SWD3544	SWD3744	
48 3/4"								
48"	SWD2148	SWD2548	SWD2948	SWD3148	SWD3348	SWD3548	SWD3748	
52 3/4"								
52"	SWD2152	SWD2552	SWD2952	SWD3152	SWD3352	SWD3552	SWD3752	

Rough Opening

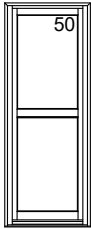
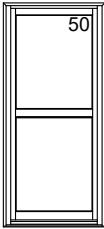
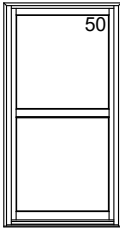
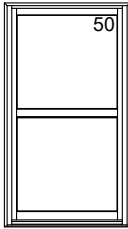
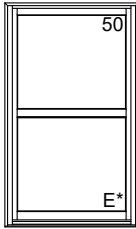
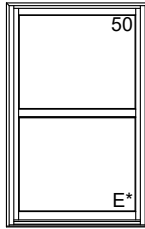
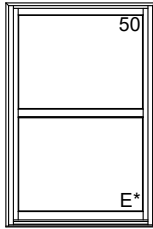
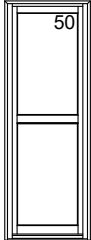
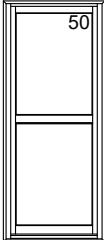
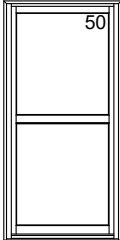
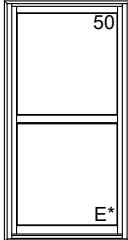
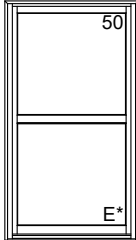
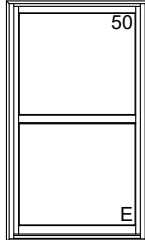
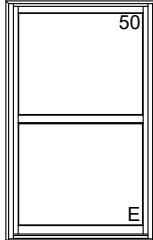
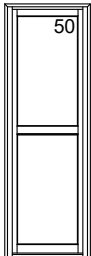
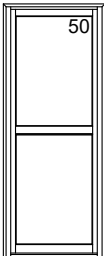
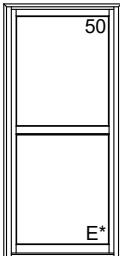
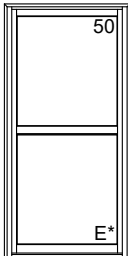
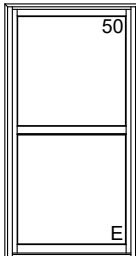
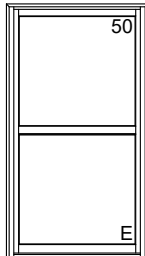
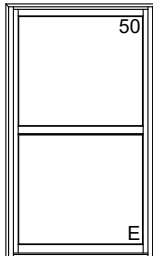
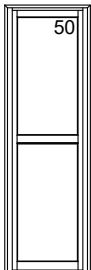
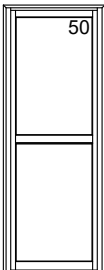
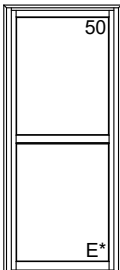
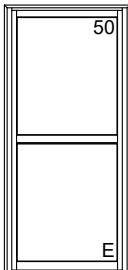
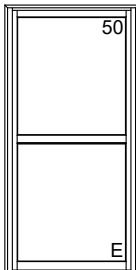
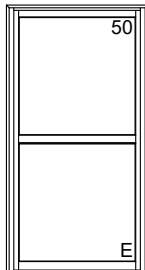
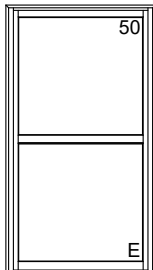
Frame Height

Daylight Opening

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

STANDARD UNITS - RECTANGLE

							Rough Opening
							Frame Width
							Daylight Opening
22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	
21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	
15"	19"	23"	25"	27"	29"	31"	
Rough Opening Frame Height Daylight Opening	56 3/4"	56"	46 1/2"				
	60 3/4"	60"	50 1/2"				
	64 3/4"	64"	54 1/2"				
	68 3/4"	68"	58 1/2"				
							
	SWD2156	SWD2556	SWD2956	SWD3156	SWD3356	SWD3556	SWD3756
							
	SWD2160	SWD2560	SWD2960	SWD3160	SWD3360	SWD3560	SWD3760
							
	SWD2164	SWD2564	SWD2964	SWD3164	SWD3364	SWD3564	SWD3764
							
	SWD2168	SWD2568	SWD2968	SWD3168	SWD3368	SWD3568	SWD3768

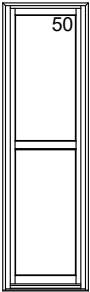
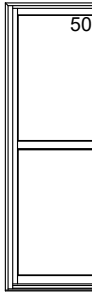
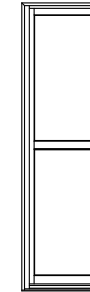
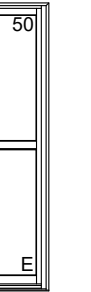
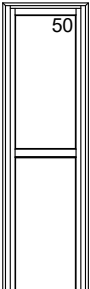
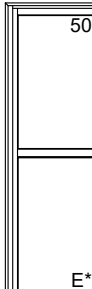
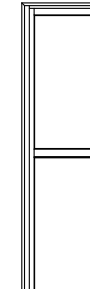
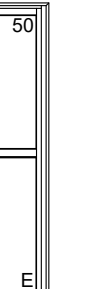
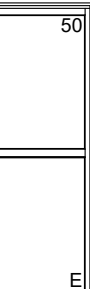
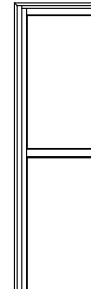
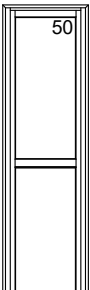
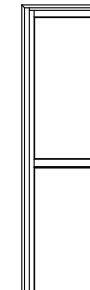
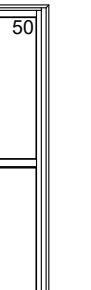
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²

E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

STANDARD UNITS - RECTANGLE

	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	15"	19"	23"	25"	27"	29"	31"	Daylight Opening
72 3/4"								
72"								
62 1/2"								
76 3/4"								
76"								
66 1/2"								
80 3/4"								
80"								
70 1/2"								

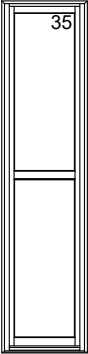
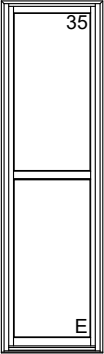
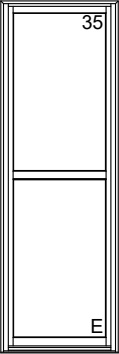
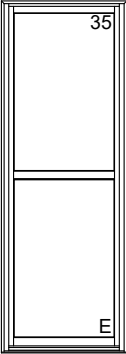
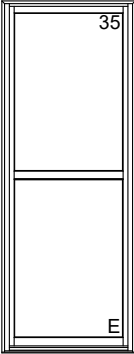
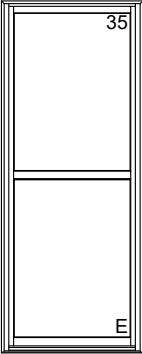
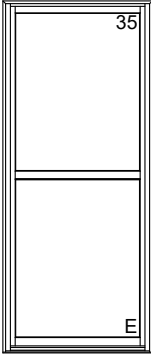
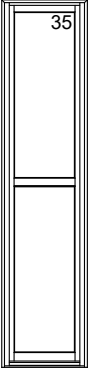
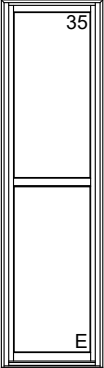
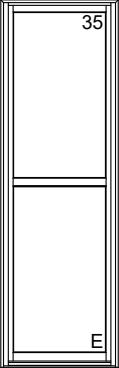
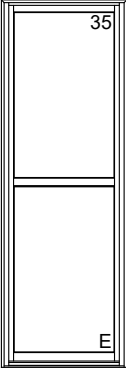
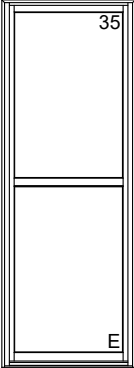
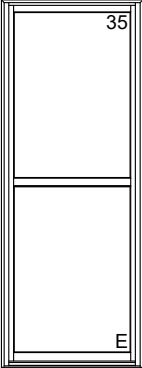
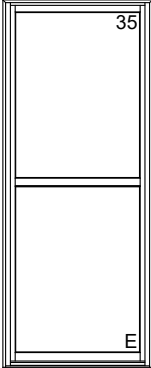
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²

E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

STANDARD UNITS - RECTANGLE

	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	15"	19"	23"	25"	27"	29"	31"	Daylight Opening
88 3/4"								
88"								
78 1/2"								
92 3/4"								
92"								
82 1/2"								
Rough Opening								
Frame Height								
Daylight Opening								

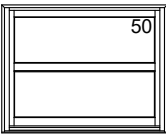
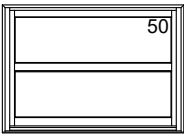
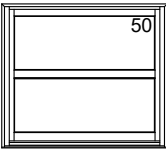
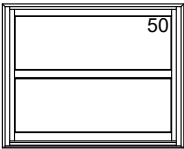
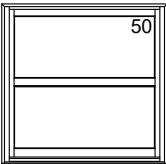
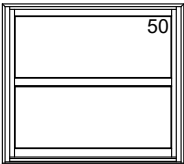
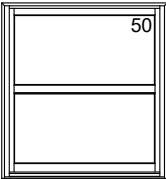
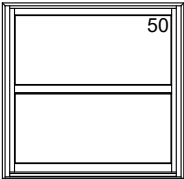
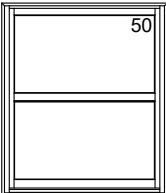
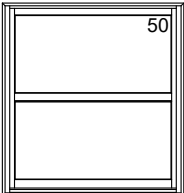
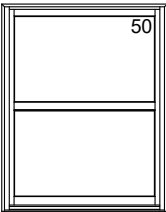
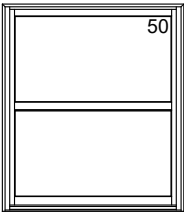
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²

E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

STANDARD UNITS - RECTANGLE

		42 1/8"		46 1/8"				Rough Opening
		41 3/8"		45 3/8"				Frame Width
		35"		39"				Daylight Opening
Rough Opening Frame Height Daylight Opening	32 3/4"	32"		50		50		
	36 3/4"	36"		50		50		
	40 3/4"	40"		50		50		
	44 3/4"	44"		50		50		
	48 3/4"	48"		50		50		
	52 3/4"	52"		50		50		
	56 3/4"	56"						
Rough Opening Frame Height Daylight Opening	60 3/4"	60"						
	64 3/4"	64"						
	68 3/4"	68"						
	72 3/4"	72"						
	76 3/4"	76"						
	80 3/4"	80"						
	84 3/4"	84"						

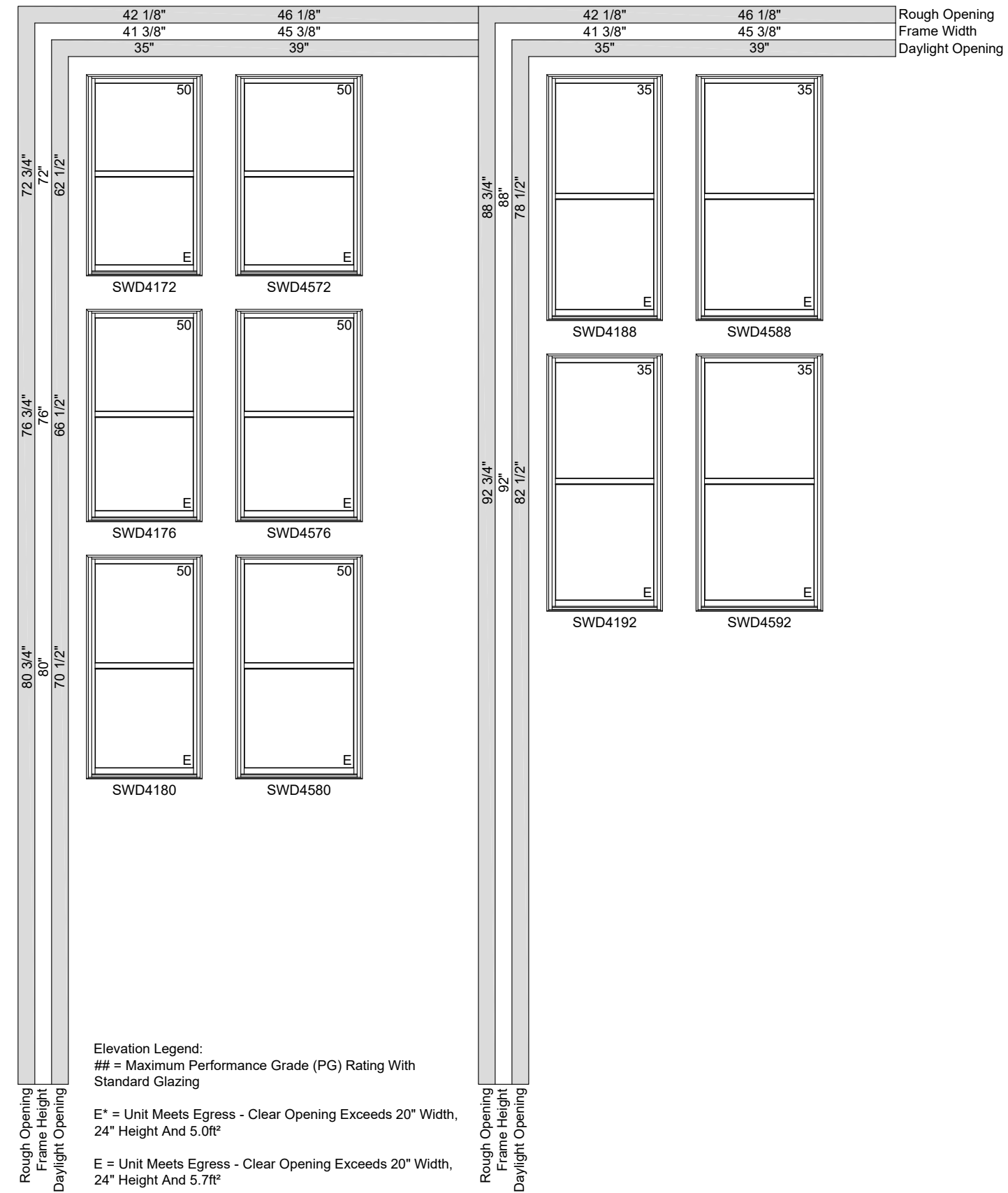
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²

E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

STANDARD UNITS - RECTANGLE



72 3/4"

72"

62 1/2"

76 3/4"

76"

66 1/2"

80 3/4"

80"

70 1/2"

35

E

SWD4188

35

E

SWD4588

35

E

SWD4192

35

E

SWD4592

88 3/4"

88"

78 1/2"

92 3/4"

92"

82 1/2"

Rough Opening

Frame Height

Daylight Opening

Rough Opening

Frame Height

Daylight Opening

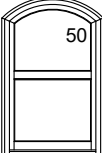
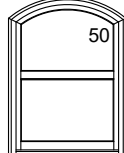
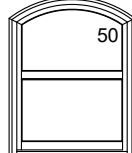
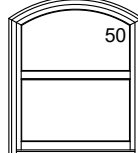
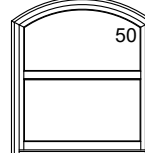
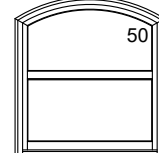
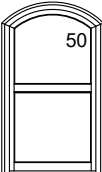
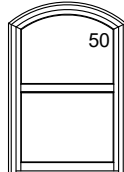
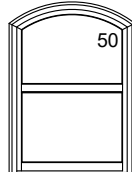
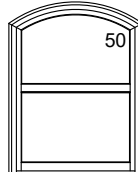
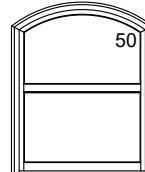
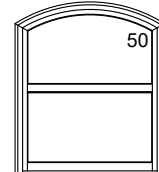
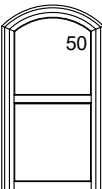
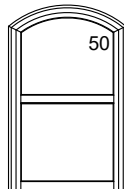
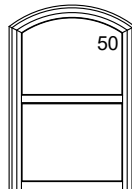
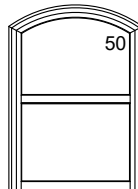
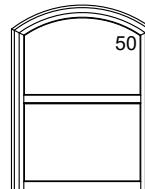
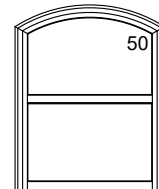
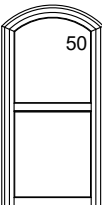
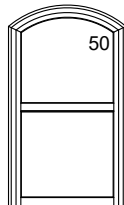
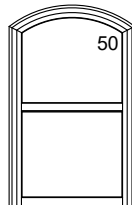
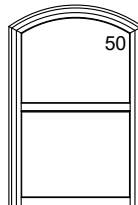
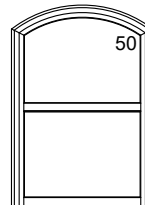
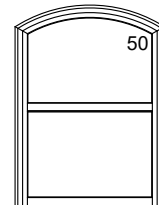
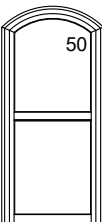
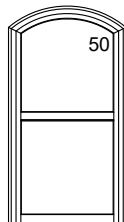
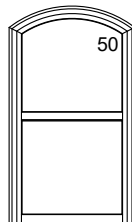
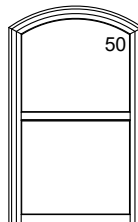
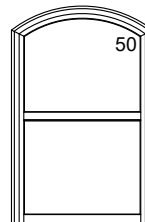
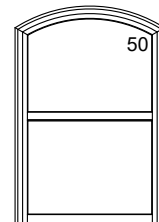
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²

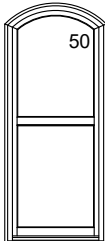
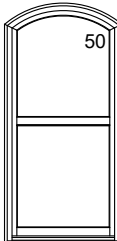
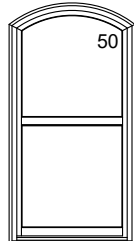
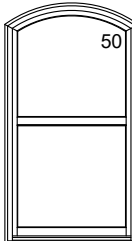
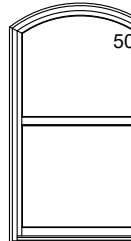
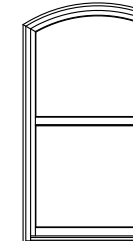
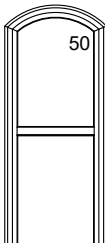
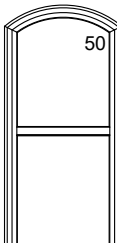
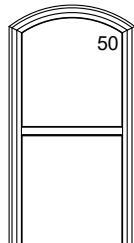
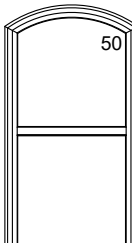
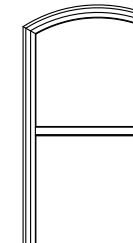
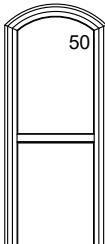
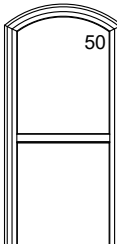
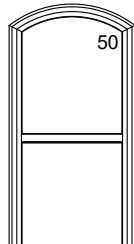
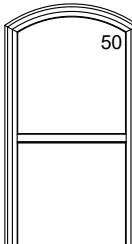
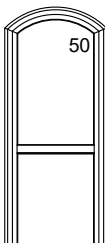
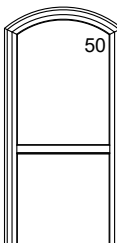
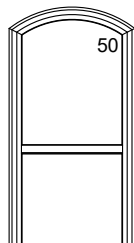
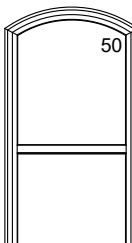
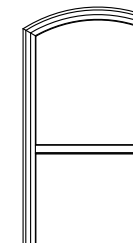
E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

STANDARD UNITS - EXTENDED CIRCLE SEGMENT

	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	19"	23"	25"	27"	29"	31"	Daylight Opening
40 3/4"							
44 3/4"							
48 3/4"							
52 3/4"							
56 3/4"							

Elevation Legend:
 ## = Maximum Performance Grade (PG) Rating With Standard Glazing
 Leg Height = Frame Height - 6"

STANDARD UNITS - EXTENDED CIRCLE SEGMENT

26 1/8"						30 1/8"						32 1/8"						34 1/8"						36 1/8"						38 1/8"						Rough Opening
25 3/8"						29 3/8"						31 3/8"						33 3/8"						35 3/8"						37 3/8"						Frame Width
19"						23"						25"						27"						29"						31"						Daylight Opening
60 3/4"	60"	25 1/4" [2]																																		
			SWDS2560	SWDS2960	SWDS3160	SWDS3360	SWDS3560	SWDS3760																												
64 3/4"	64"	27 1/4" [2]																																		
			SWDS2564	SWDS2964	SWDS3164	SWDS3364	SWDS3564	SWDS3764																												
68 3/4"	68"	29 1/4" [2]																																		
			SWDS2568	SWDS2968	SWDS3168	SWDS3368	SWDS3568	SWDS3768																												
72 3/4"	72"	31 1/4" [2]																																		
			SWDS2572	SWDS2972	SWDS3172	SWDS3372	SWDS3572	SWDS3772																												

Rough Opening

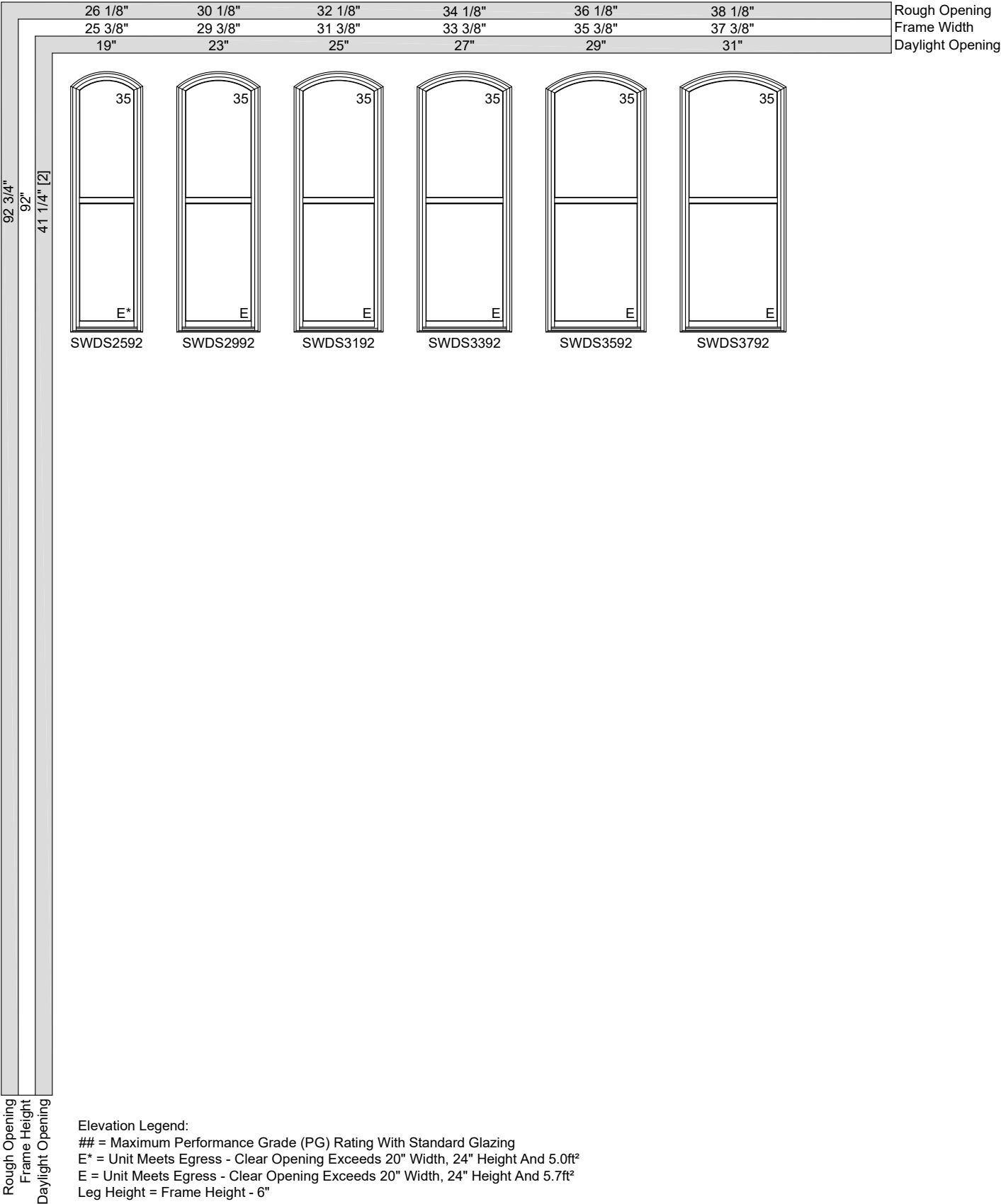
Frame Height

Daylight Opening

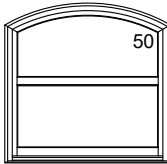
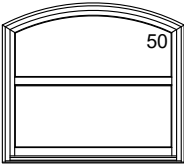
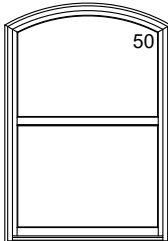
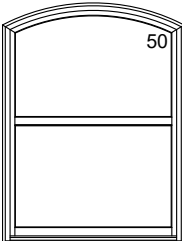
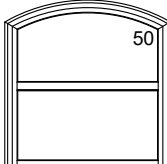
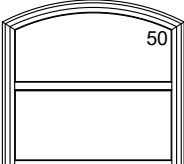
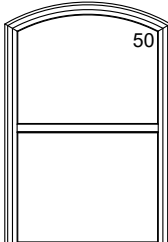
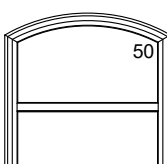
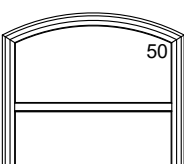
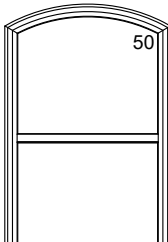
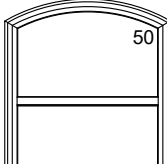
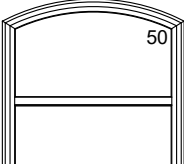
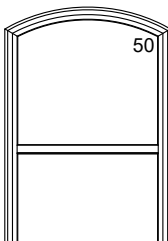
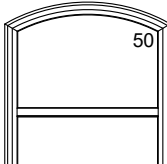
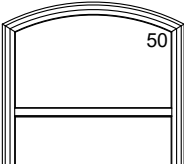
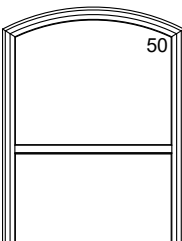
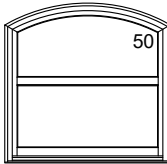
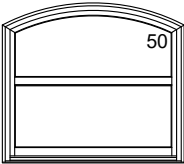
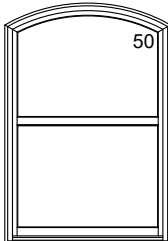
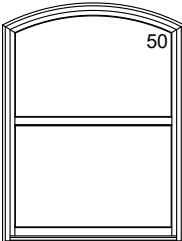
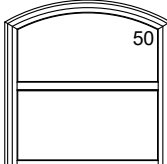
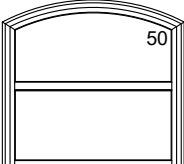
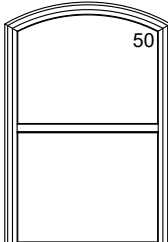
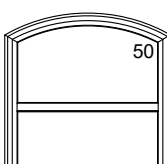
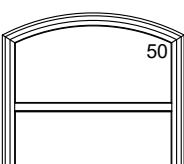
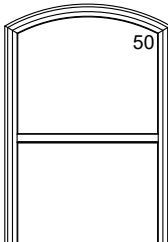
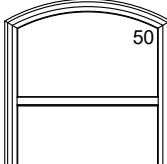
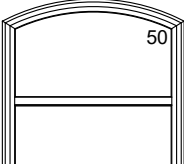
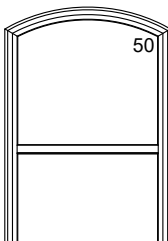
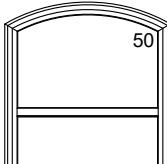
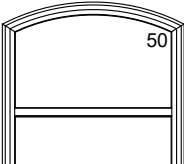
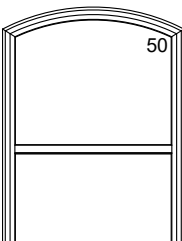
Elevation Legend:
= Maximum Performance Grade (PG) Rating With Standard Glazing
E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²
E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²
Leg Height = Frame Height - 6"

May 2024 | Scale: 1/4" = 1'-0" Product specifications may change without notice. Architectural Design Manual | 32

STANDARD UNITS - EXTENDED CIRCLE SEGMENT



STANDARD UNITS - EXTENDED CIRCLE SEGMENT

		42 1/8"	46 1/8"			42 1/8"	46 1/8"	Rough Opening
		41 3/8"	45 3/8"			41 3/8"	45 3/8"	Frame Width
		35"	39"			35"	39"	Daylight Opening
Rough Opening Frame Height Daylight Opening	40 3/4"							
	40"	SWDS4140		SWDS4540		SWDS4160		
	15 1/4" [2]							
	44 3/4"	SWDS4144		SWDS4544		SWDS4164		
	44"							
	17 1/4" [2]	SWDS4148		SWDS4548		SWDS4168		
	48 3/4"							
	48"	SWDS4152		SWDS4552		SWDS4172		
	19 1/4" [2]							
	52 3/4"	SWDS4156		SWDS4556		SWDS4572		
Rough Opening Frame Height Daylight Opening	52"							
	21 1/4" [2]	SWDS4140		SWDS4540		SWDS4160		
	56 3/4"							
	56"	SWDS4144		SWDS4544		SWDS4164		
	23 1/4" [2]							
	60 3/4"	SWDS4148		SWDS4548		SWDS4168		
	60"							
	25 1/4" [2]	SWDS4152		SWDS4552		SWDS4172		
	64 3/4"							
	64"	SWDS4156		SWDS4556		SWDS4572		

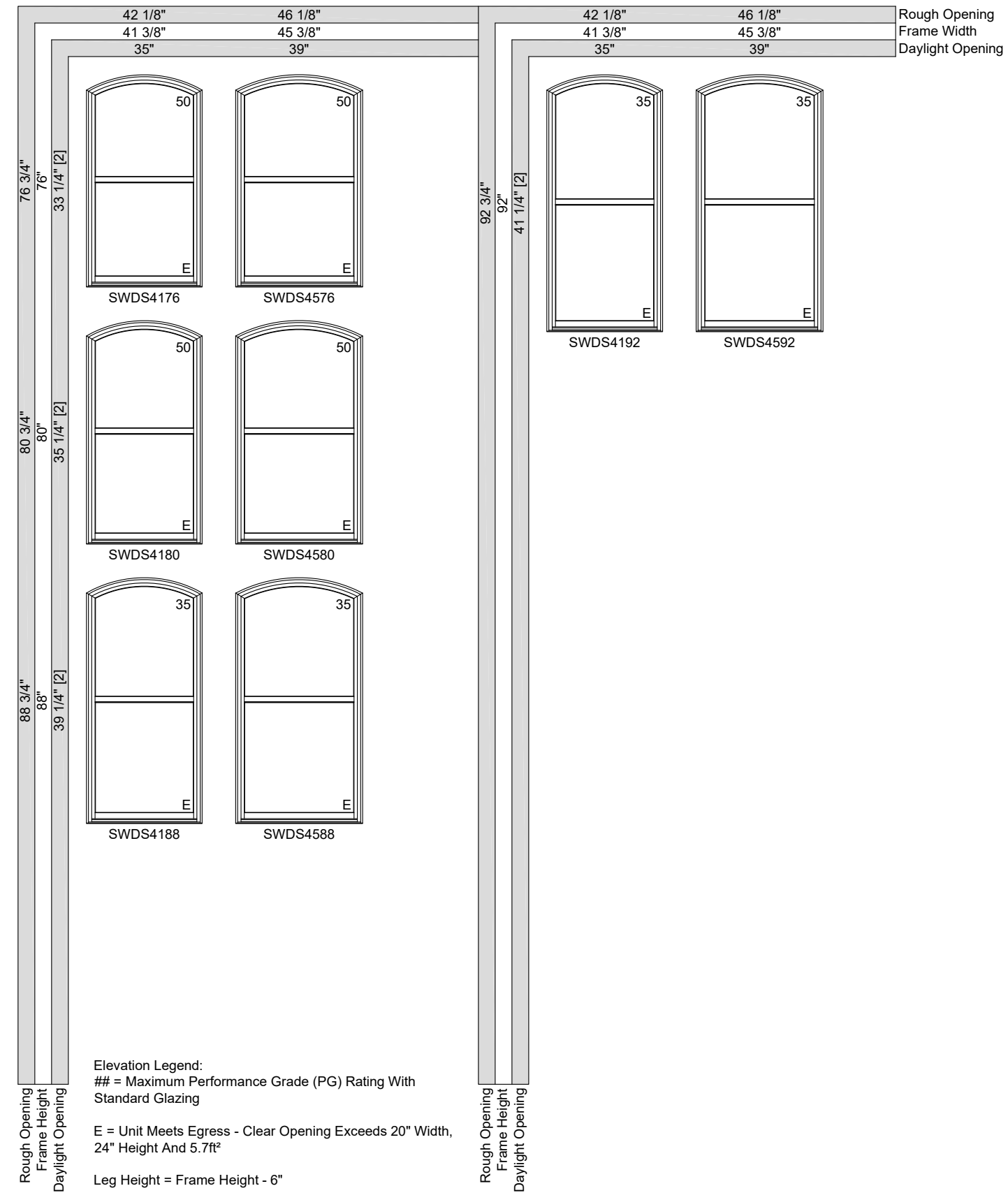
Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

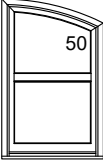
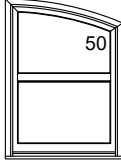
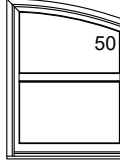
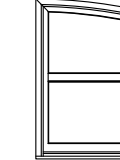
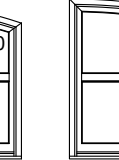
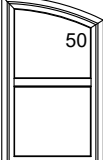
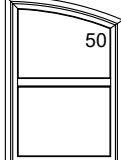
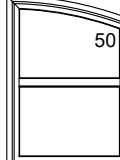
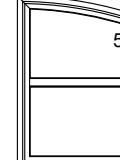
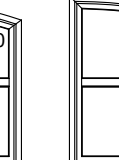
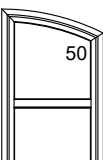
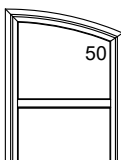
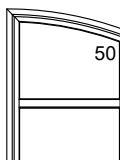
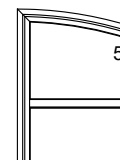
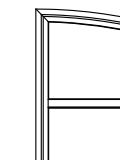
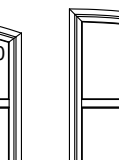
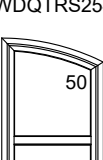
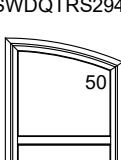
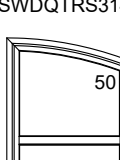
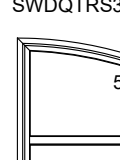
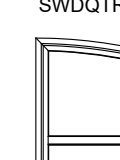
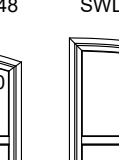
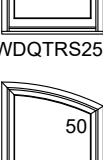
E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²

Leg Height = Frame Height - 6"

STANDARD UNITS - EXTENDED CIRCLE SEGMENT



STANDARD UNITS - EXTENDED QUARTER SEGMENT

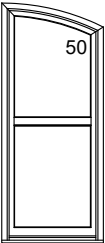
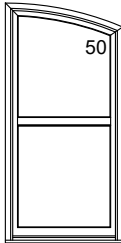
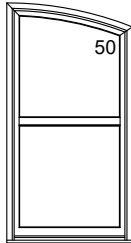
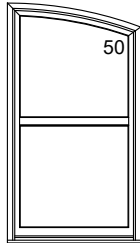
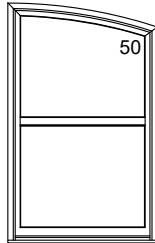
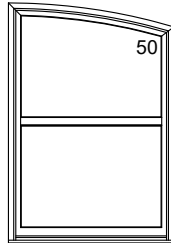
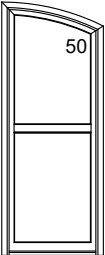
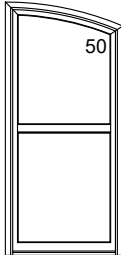
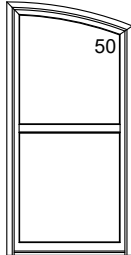
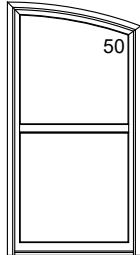
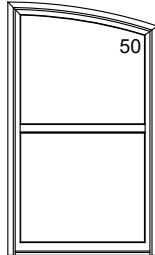
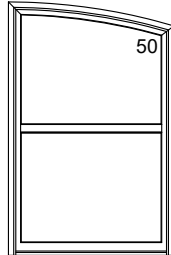
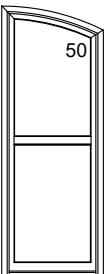
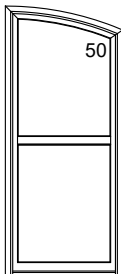
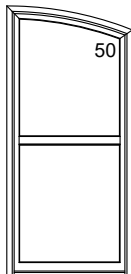
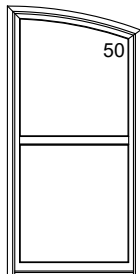
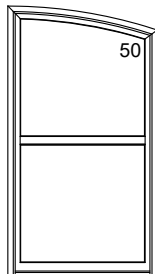
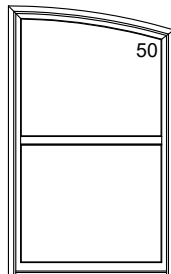
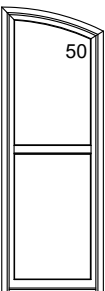
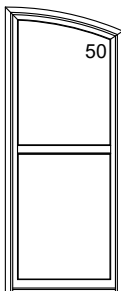
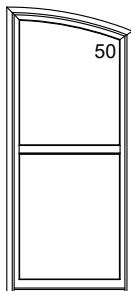
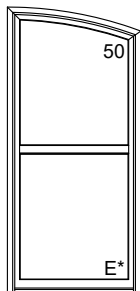
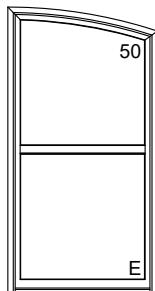
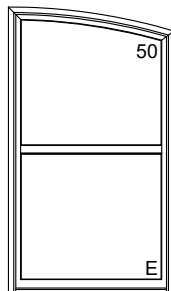
						Rough Opening
						Frame Width
						Daylight Opening
	26 1/8"	30 1/8"	32 1/8"	34 1/8"	38 1/8"	42 1/8"
	25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"	41 3/8"
	18 13/16"	22 13/16"	24 13/16"	26 13/16"	30 13/16"	34 13/16"
40 3/4"						
40"	SWDQTRS2540	SWDQTRS2940	SWDQTRS3140	SWDQTRS3340	SWDQTRS3740	SWDQTRS4140
15 1/4" [2]						
44 3/4"	SWDQTRS2544	SWDQTRS2944	SWDQTRS3144	SWDQTRS3344	SWDQTRS3744	SWDQTRS4144
44"						
17 1/4" [2]	SWDQTRS2548	SWDQTRS2948	SWDQTRS3148	SWDQTRS3348	SWDQTRS3748	SWDQTRS4148
48 3/4"						
48"	SWDQTRS2552	SWDQTRS2952	SWDQTRS3152	SWDQTRS3352	SWDQTRS3752	SWDQTRS4152
19 1/4" [2]						
52 3/4"	SWDQTRS2556	SWDQTRS2956	SWDQTRS3156	SWDQTRS3356	SWDQTRS3756	SWDQTRS4156
52"						
21 1/4" [2]						
56 3/4"						
56"						
23 1/4" [2]						
Rough Opening						
Frame Height						
Daylight Opening						

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

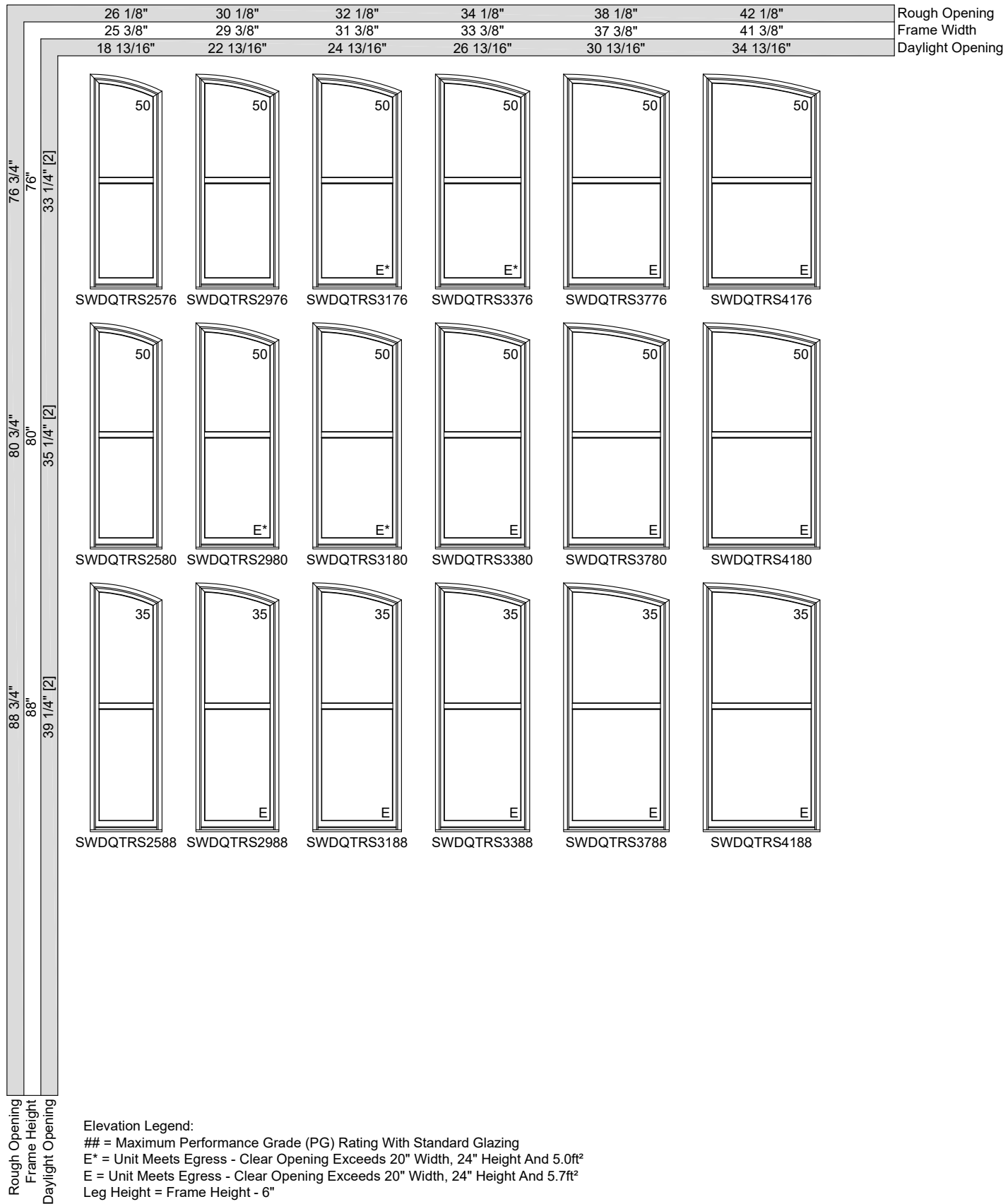
Leg Height = Frame Height - 6"

STANDARD UNITS - EXTENDED QUARTER SEGMENT

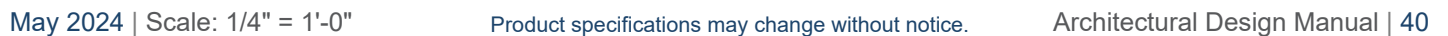
	26 1/8"	30 1/8"	32 1/8"	34 1/8"	38 1/8"	42 1/8"	Rough Opening
	25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"	41 3/8"	Frame Width
	18 13/16"	22 13/16"	24 13/16"	26 13/16"	30 13/16"	34 13/16"	Daylight Opening
60 3/4"							
60"							
25 1/4" [2]							
64 3/4"							
64"							
27 1/4" [2]							
68 3/4"							
68"							
29 1/4" [2]							
72 3/4"							
72"							
31 1/4" [2]							

Elevation Legend:
 ## = Maximum Performance Grade (PG) Rating With Standard Glazing
 E* = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.0ft²
 E = Unit Meets Egress - Clear Opening Exceeds 20" Width, 24" Height And 5.7ft²
 Leg Height = Frame Height - 6"

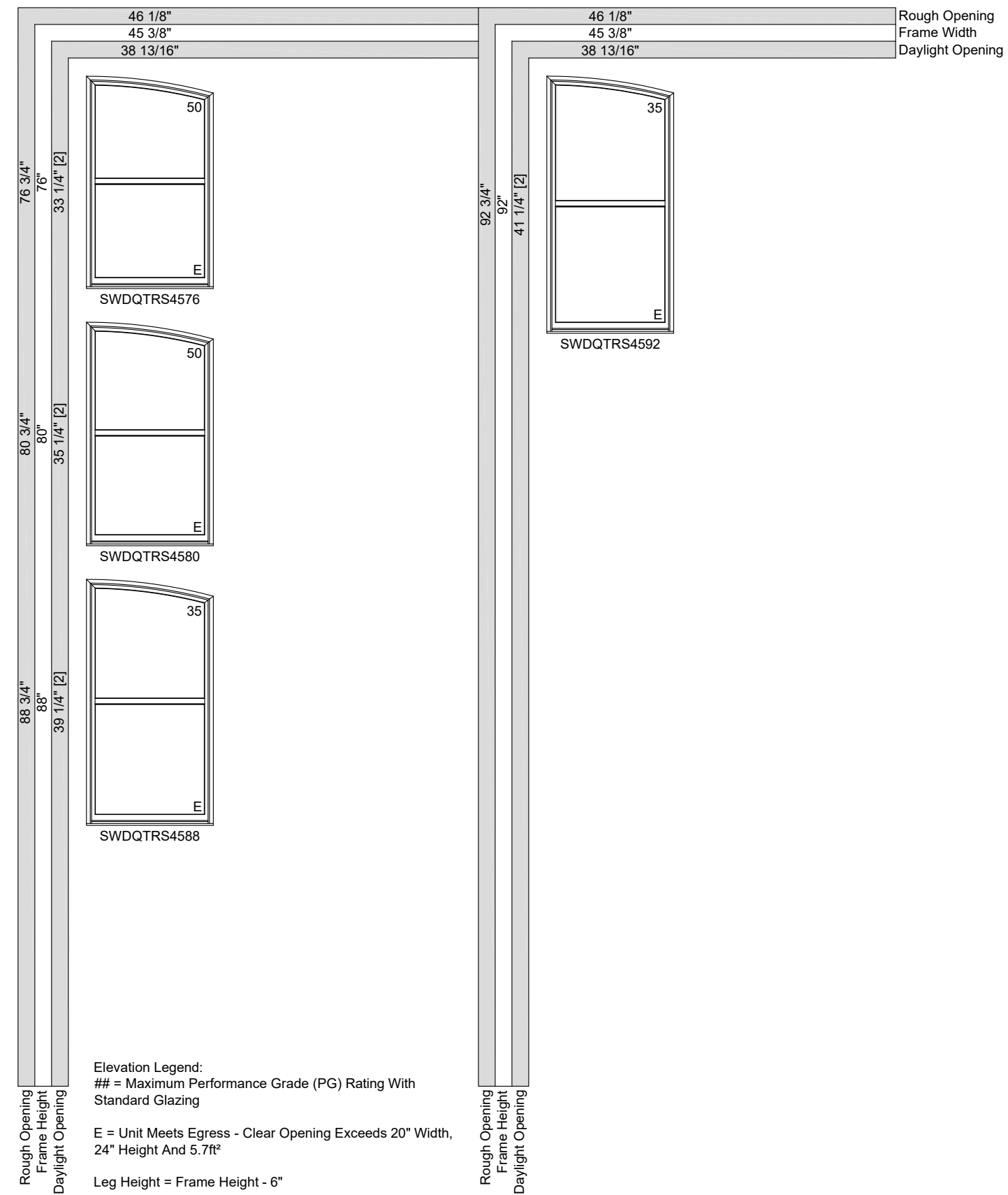
STANDARD UNITS - EXTENDED QUARTER SEGMENT



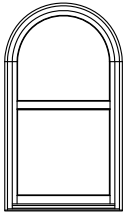
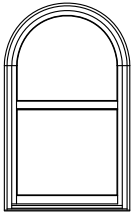
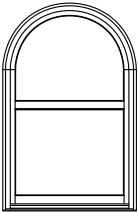
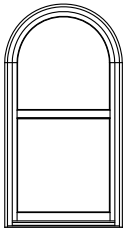
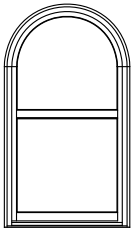
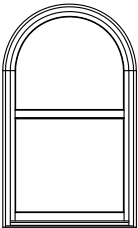
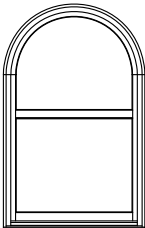
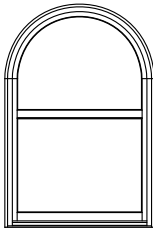
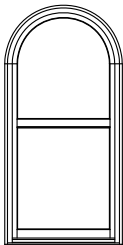
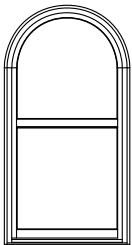
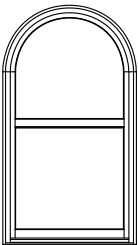
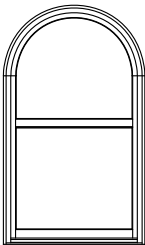
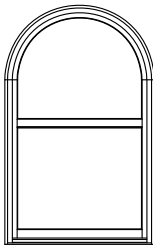
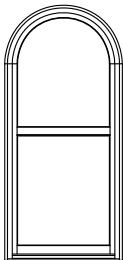
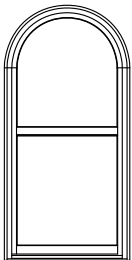
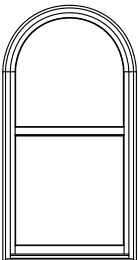
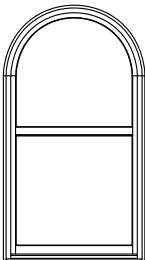
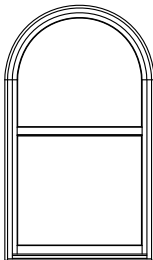
May 2024 | Scale: 1/4" = 1'-0" Product specifications may change without notice. Architectural Design Manual | 39



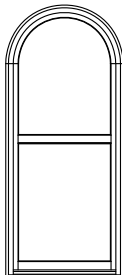
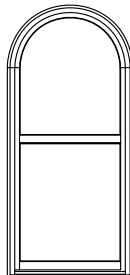
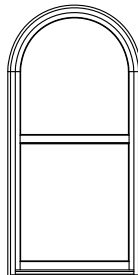
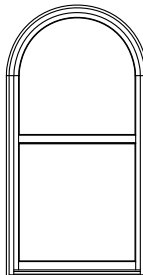
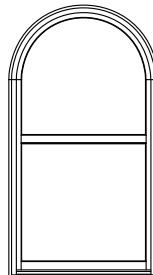
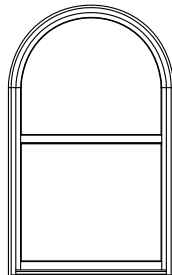
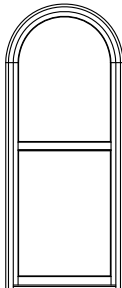
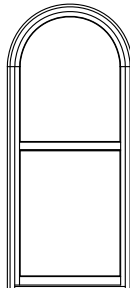
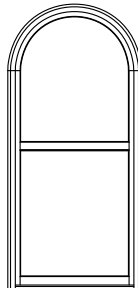
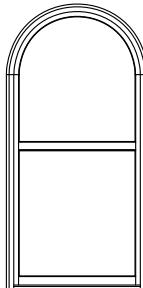
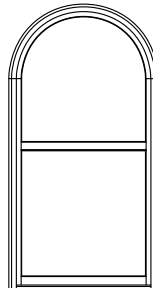
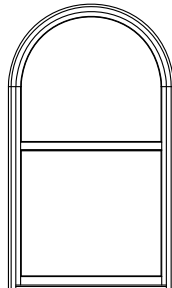
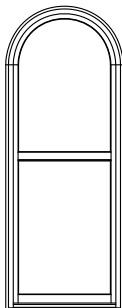
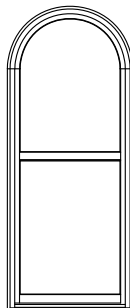
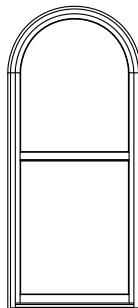
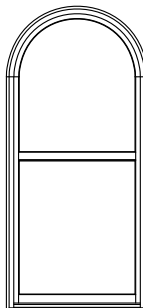
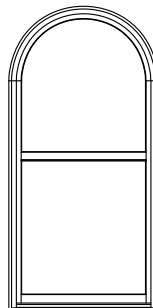
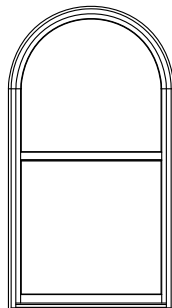
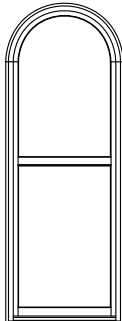
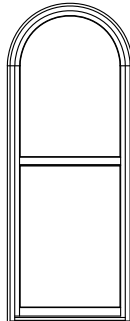
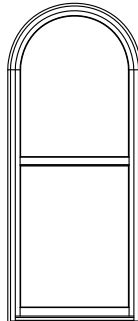
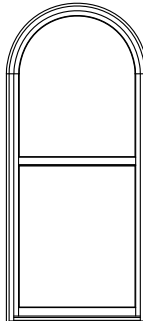
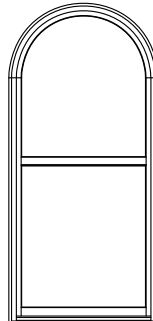
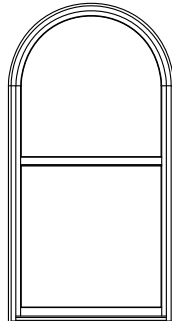
STANDARD UNITS - EXTENDED QUARTER SEGMENT



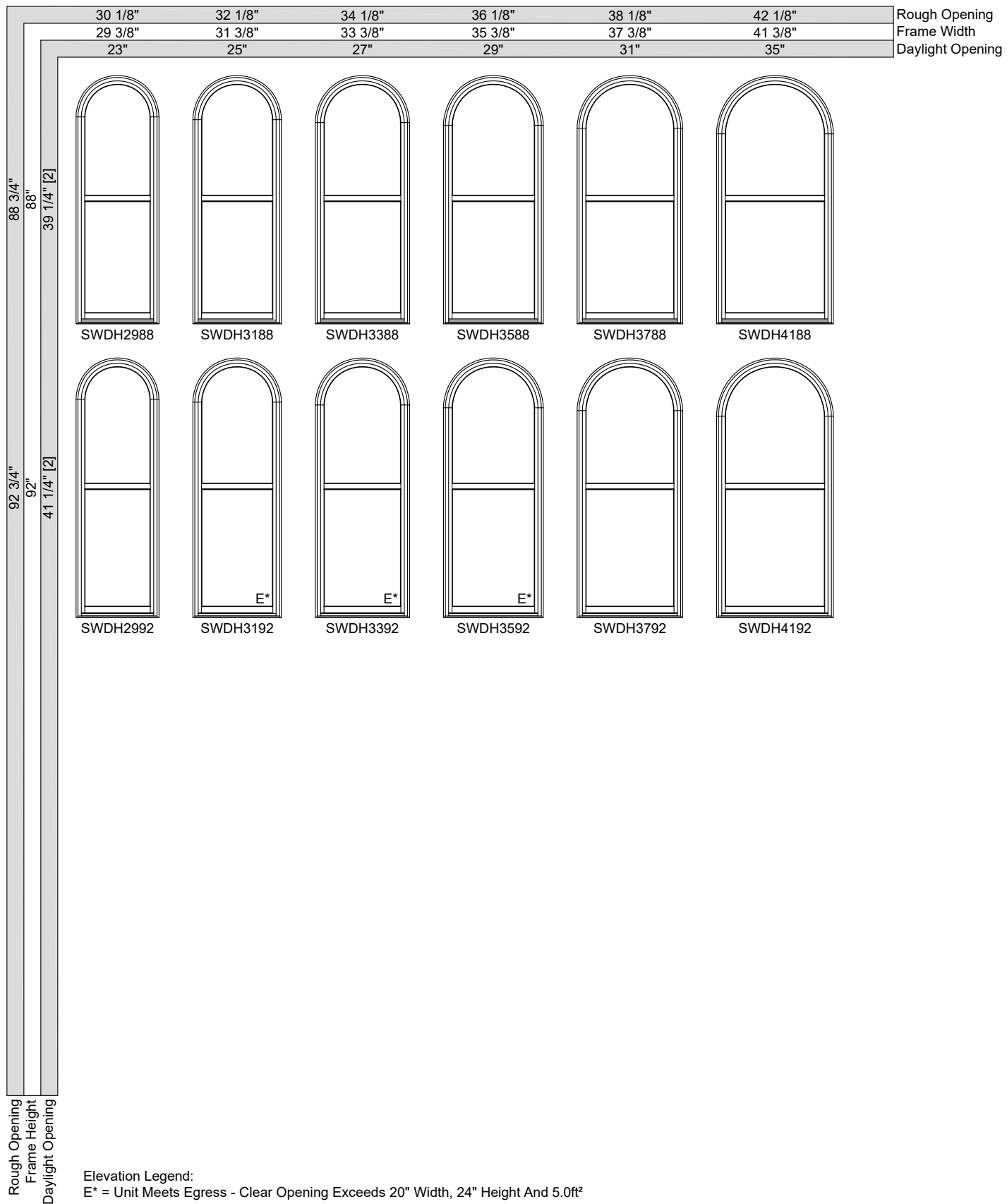
STANDARD UNITS - EXTENDED HALF ROUND

						Rough Opening
						Frame Width
						Daylight Opening
30 1/8"						
29 3/8"						
23"						
32 1/8"						
31 3/8"						
25"						
34 1/8"						
33 3/8"						
27"						
36 1/8"						
35 3/8"						
29"						
38 1/8"						
37 3/8"						
31"						
42 1/8"						
41 3/8"						
35"						
Rough Opening Frame Height Daylight Opening	52 3/4"				Not Available	Not Available
	52"				Not Available	Not Available
	21 1/4" [2]					
	56 3/4"					
	56"					Not Available
	23 1/4" [2]					
	60 3/4"					
	60"					
	25 1/4" [2]					
	64 3/4"					
	64"					
	27 1/4" [2]					

STANDARD UNITS - EXTENDED HALF ROUND

30 1/8"						Rough Opening		
29 3/8"						Frame Width		
23"						Daylight Opening		
32 1/8"								
31 3/8"								
25"								
34 1/8"								
33 3/8"								
27"								
36 1/8"								
35 3/8"								
29"								
38 1/8"								
37 3/8"								
31"								
42 1/8"								
41 3/8"								
35"								
Rough Opening Frame Height Daylight Opening	68 3/4"							SWDH2968
	68"							SWDH3168
	29 1/4" [2]							SWDH3368
								SWDH3568
	72 3/4"							SWDH3768
	72"							SWDH4168
	31 1/4" [2]							SWDH2972
								SWDH3172
	76 3/4"							SWDH3372
	76"							SWDH3572
	33 1/4" [2]							SWDH3772
								SWDH4172
	80 3/4"							SWDH2976
	80"							SWDH3176
	33 1/4" [2]							SWDH3376
								SWDH3576
	84 3/4"							SWDH3776
	84"							SWDH4176
	35 1/4" [2]							SWDH2980
								SWDH3180
	88 3/4"							SWDH3380
	88"							SWDH3580
	35 1/4" [2]							SWDH3780
								SWDH4180

STANDARD UNITS - EXTENDED HALF ROUND





FIXED UNITS - RECTANGLE

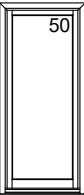
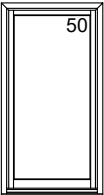
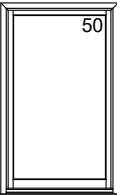
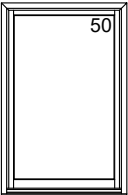
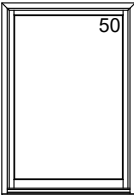
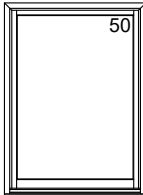
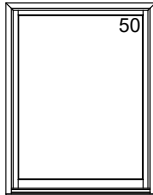
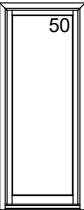
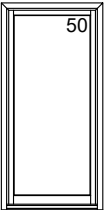
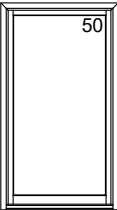
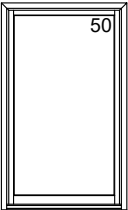
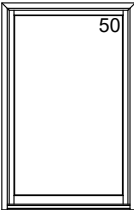
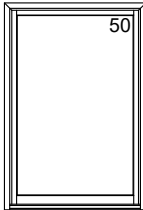
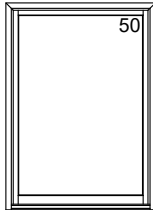
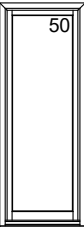
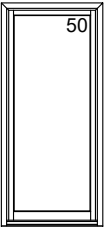
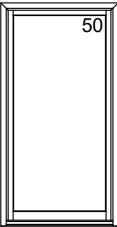
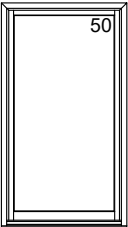
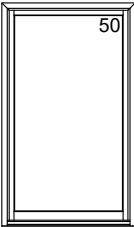
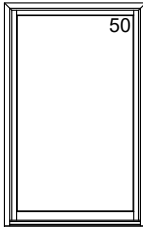
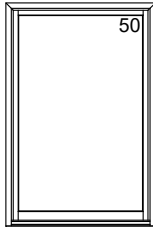
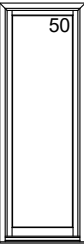
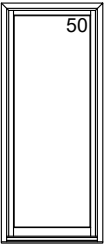
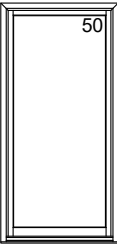
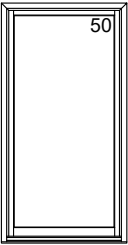
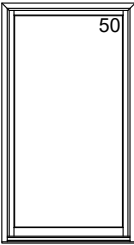
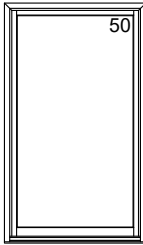
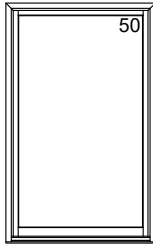
								Rough Opening Frame Width Daylight Opening
	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	
	14 13/16"	18 13/16"	22 13/16"	24 13/16"	26 13/16"	28 13/16"	30 13/16"	
15 3/4"								
15"	SWDP2115	SWDP2515	SWDP2915	SWDP3115	SWDP3315	SWDP3515	SWDP3715	
18 3/4"								
18"	SWDP2118	SWDP2518	SWDP2918	SWDP3118	SWDP3318	SWDP3518	SWDP3718	
24 3/4"								
24"	SWDP2124	SWDP2524	SWDP2924	SWDP3124	SWDP3324	SWDP3524	SWDP3724	
32 3/4"								
32"	SWDP2132	SWDP2532	SWDP2932	SWDP3132	SWDP3332	SWDP3532	SWDP3732	
36 3/4"								
36"	SWDP2136	SWDP2536	SWDP2936	SWDP3136	SWDP3336	SWDP3536	SWDP3736	
40 3/4"								
40"	SWDP2140	SWDP2540	SWDP2940	SWDP3140	SWDP3340	SWDP3540	SWDP3740	
44 3/4"								
44"	SWDP2144	SWDP2544	SWDP2944	SWDP3144	SWDP3344	SWDP3544	SWDP3744	

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

T = Transom Unit Available - See Min-Max Sizing & Formulas Page for Bookcode Format

FIXED UNITS - RECTANGLE

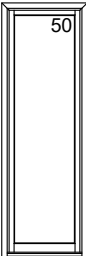
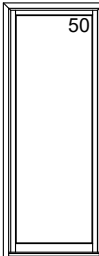
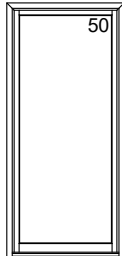
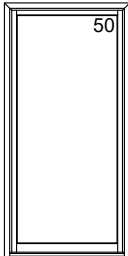
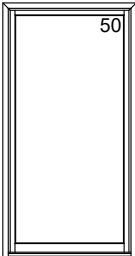
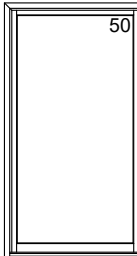
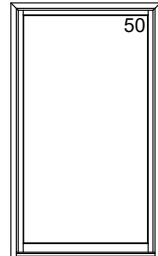
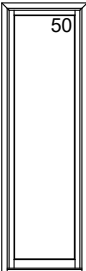
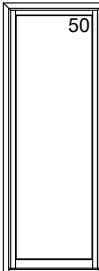
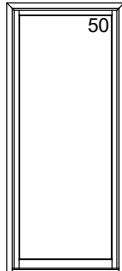
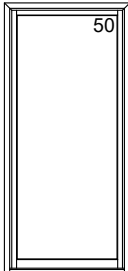
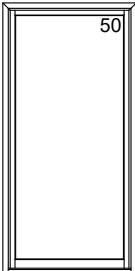
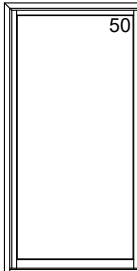
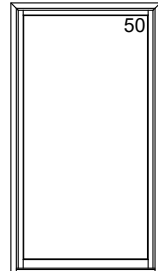
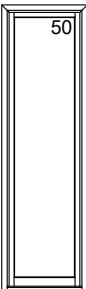
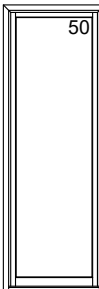
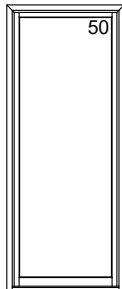
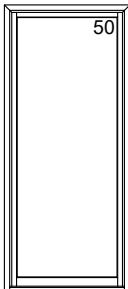
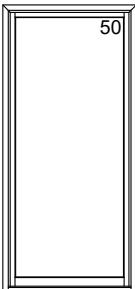
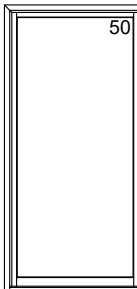
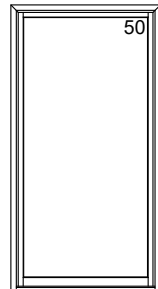
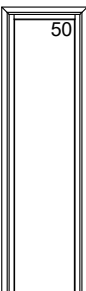
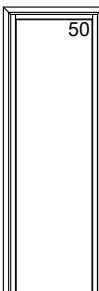
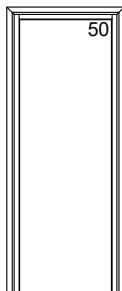
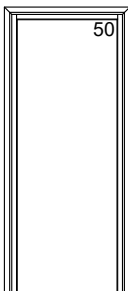
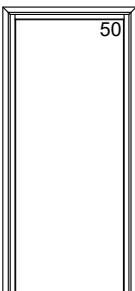
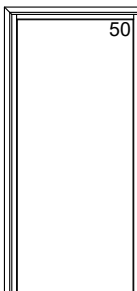
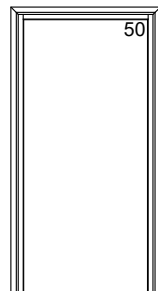
22 1/8"26 1/8"30 1/8"32 1/8"34 1/8"36 1/8"38 1/8"							Rough Opening
21 3/8"25 3/8"29 3/8"31 3/8"33 3/8"35 3/8"37 3/8"							Frame Width
14 13/16"18 13/16"22 13/16"24 13/16"26 13/16"28 13/16"30 13/16"							Daylight Opening
48 3/4" 48" 40 13/16" 52 3/4" 52" 44 13/16" 56 3/4" 56" 48 13/16" 60 3/4" 60" 52 13/16"							
	SWDP2148						
							
	SWDP2548						
							
	SWDP2948						
							
	SWDP3148						
							
	SWDP3348						
							
	SWDP3548						
							
	SWDP3748						
							
	SWDP2152						
							
SWDP2552							
							
SWDP2952							
							
SWDP3152							
							
SWDP3352							
							
SWDP3552							
							
SWDP3752							
							
SWDP2156							
							
SWDP2556							
							
SWDP2956							
							
SWDP3156							
							
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SWDP3556							
							
SWDP3756							
							
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SWDP2560							
							
SWDP2960							
							
SWDP3160							
							
SWDP3360							
							
SWDP3560							
							
SWDP3760							

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

T = Transom Unit Available - See Min-Max Sizing & Formulas Page for Bookcode Format

FIXED UNITS - RECTANGLE

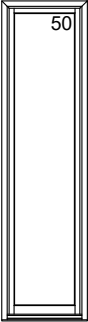
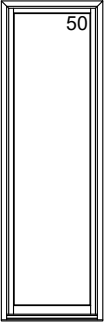
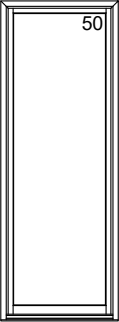
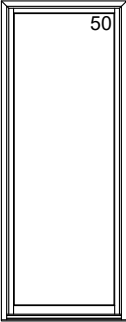
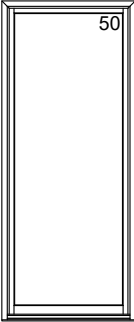
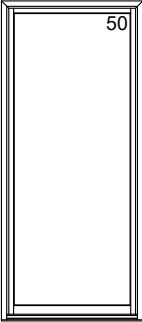
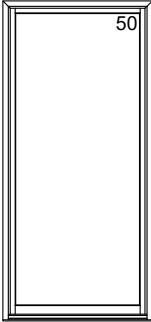
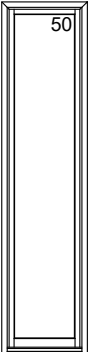
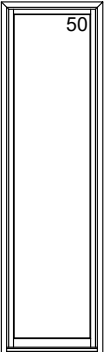
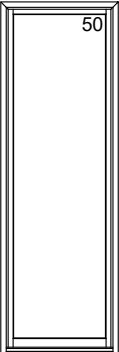
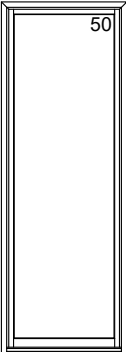
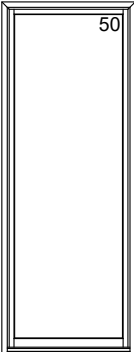
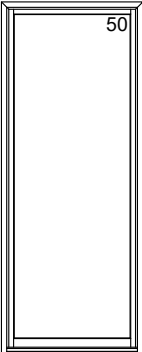
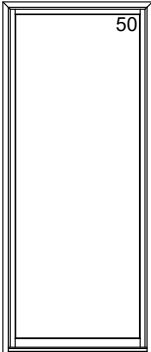
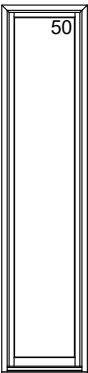
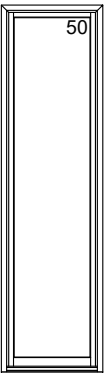
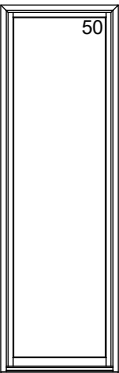
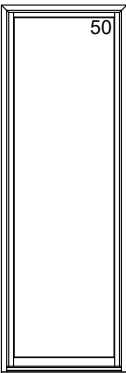
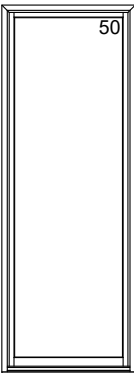
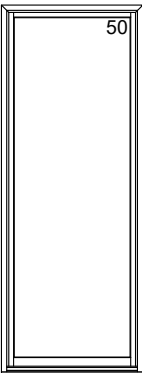
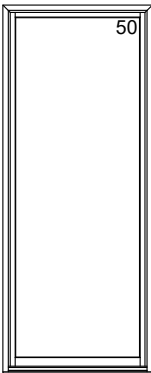
	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	14 13/16"	18 13/16"	22 13/16"	24 13/16"	26 13/16"	28 13/16"	30 13/16"	Daylight Opening
64 3/4"								
68 3/4"								
72 3/4"								
76 3/4"								

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

T = Transom Unit Available - See Min-Max Sizing & Formulas Page for Bookcode Format

FIXED UNITS - RECTANGLE

	22 1/8"	26 1/8"	30 1/8"	32 1/8"	34 1/8"	36 1/8"	38 1/8"	Rough Opening
	21 3/8"	25 3/8"	29 3/8"	31 3/8"	33 3/8"	35 3/8"	37 3/8"	Frame Width
	14 13/16"	18 13/16"	22 13/16"	24 13/16"	26 13/16"	28 13/16"	30 13/16"	Daylight Opening
80 3/4"								
80"	SWDP2180	SWDP2580	SWDP2980	SWDP3180	SWDP3380	SWDP3580	SWDP3780	
88 3/4"								
88"	SWDP2188	SWDP2588	SWDP2988	SWDP3188	SWDP3388	SWDP3588	SWDP3788	
92 3/4"								
92"	SWDP2192	SWDP2592	SWDP2992	SWDP3192	SWDP3392	SWDP3592	SWDP3792	

Rough Opening

Frame Height

Daylight Opening

80 3/4"

80"

88 3/4"

88"

92 3/4"

92"

Elevation Legend:

= Maximum Performance Grade (PG) Rating With Standard Glazing

T = Transom Unit Available - See Min-Max Sizing & Formulas Page for Bookcode Format

FIXED UNITS - RECTANGLE

		42 1/8"	46 1/8"	50 1/8"	54 1/8"	62 1/8"	Rough Opening
		41 3/8"	45 3/8"	49 3/8"	53 3/8"	61 3/8"	Frame Width
		34 13/16"	38 13/16"	42 13/16"	46 13/16"	54 13/16"	Daylight Opening
15 3/4"	15"						
18 3/4"	18"						
24 3/4"	24"						
32 3/4"	32"						
36 3/4"	36"						
40 3/4"	40"						
44 3/4"	44"						

Rough Opening

Frame Height

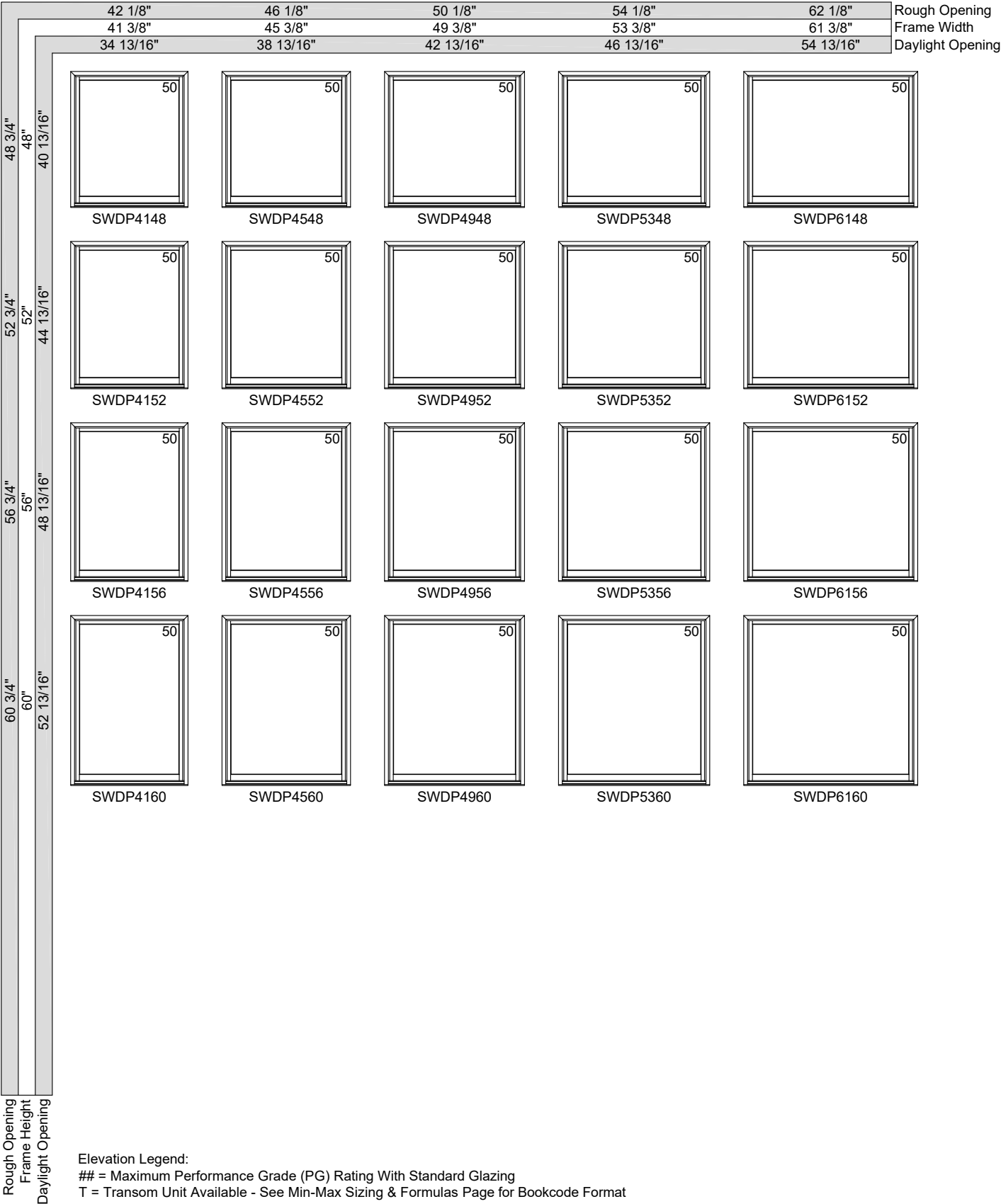
Daylight Opening

Elevation Legend:

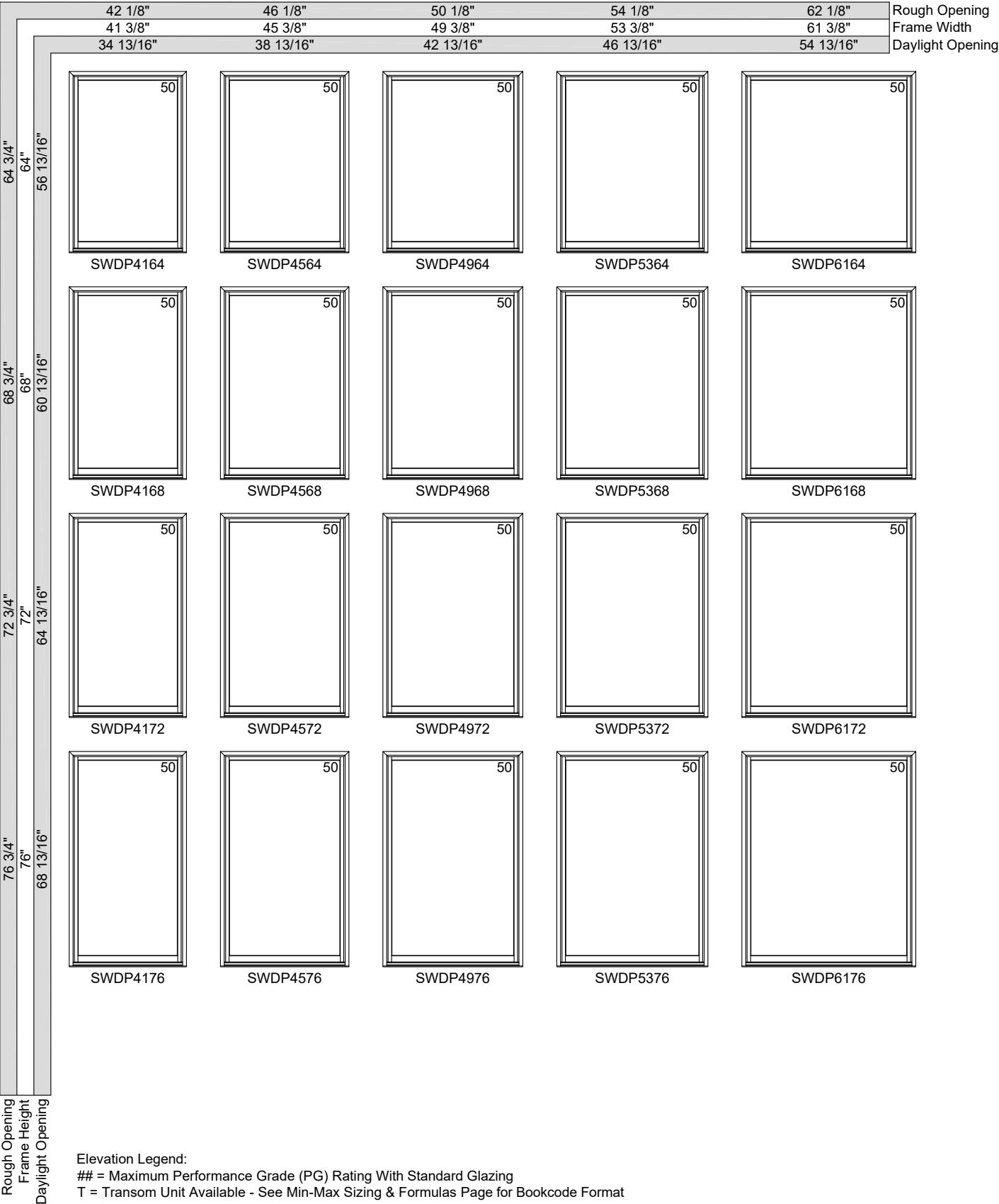
= Maximum Performance Grade (PG) Rating With Standard Glazing

T = Transom Unit Available - See Min-Max Sizing & Formulas Page for Bookcode Format

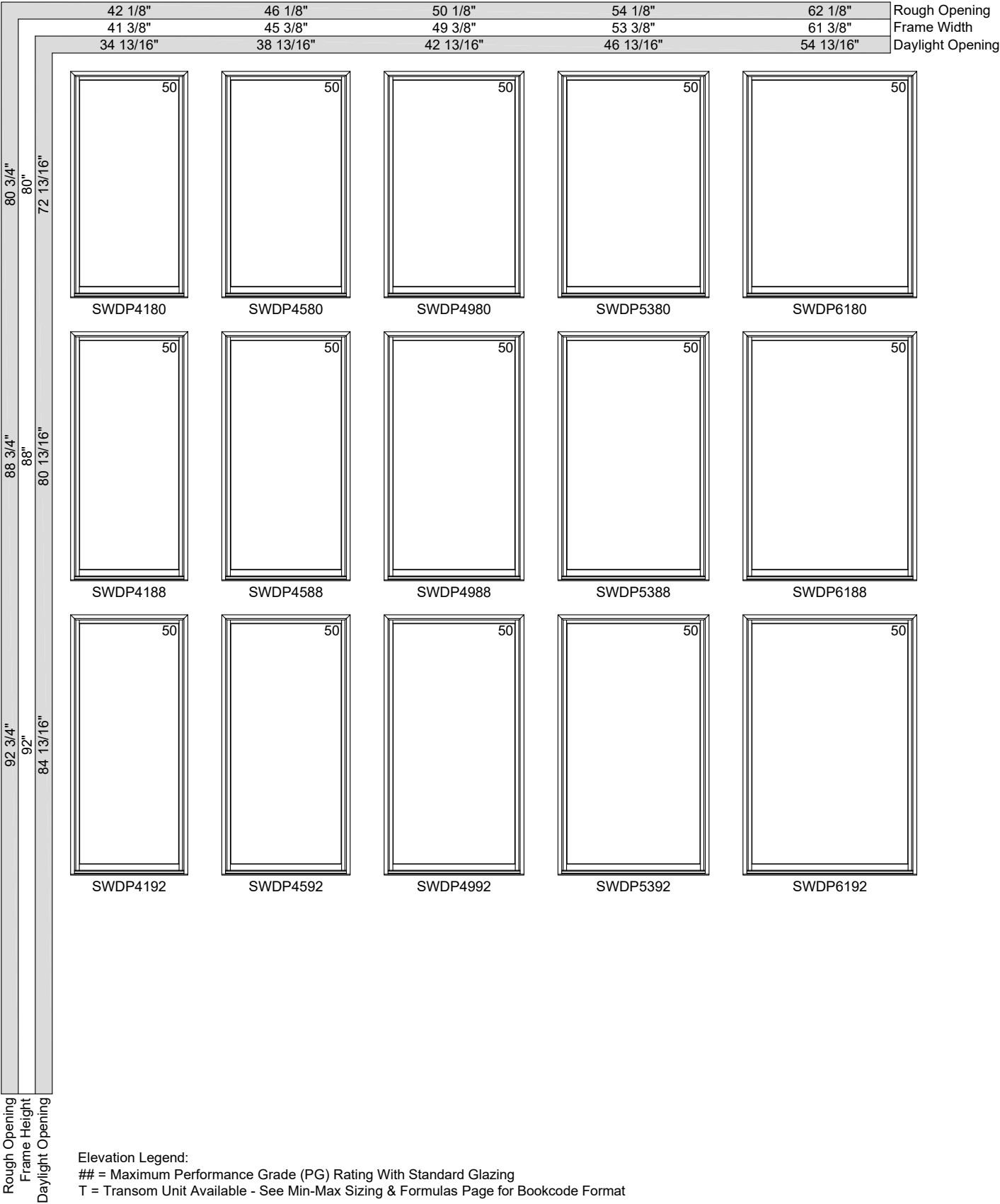
FIXED UNITS - RECTANGLE



FIXED UNITS - RECTANGLE



FIXED UNITS - RECTANGLE

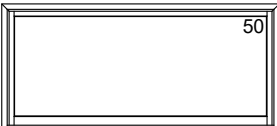
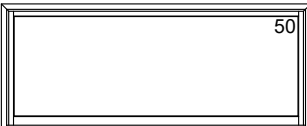
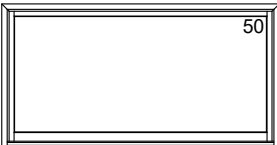
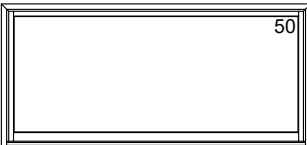
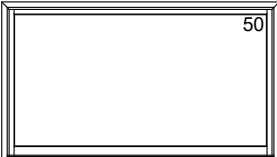
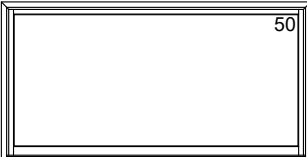
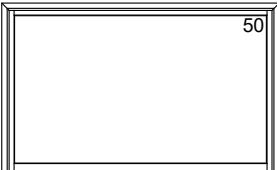
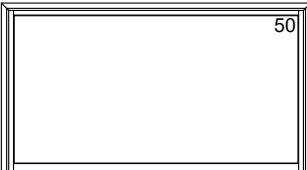


Rough Opening

Frame Height

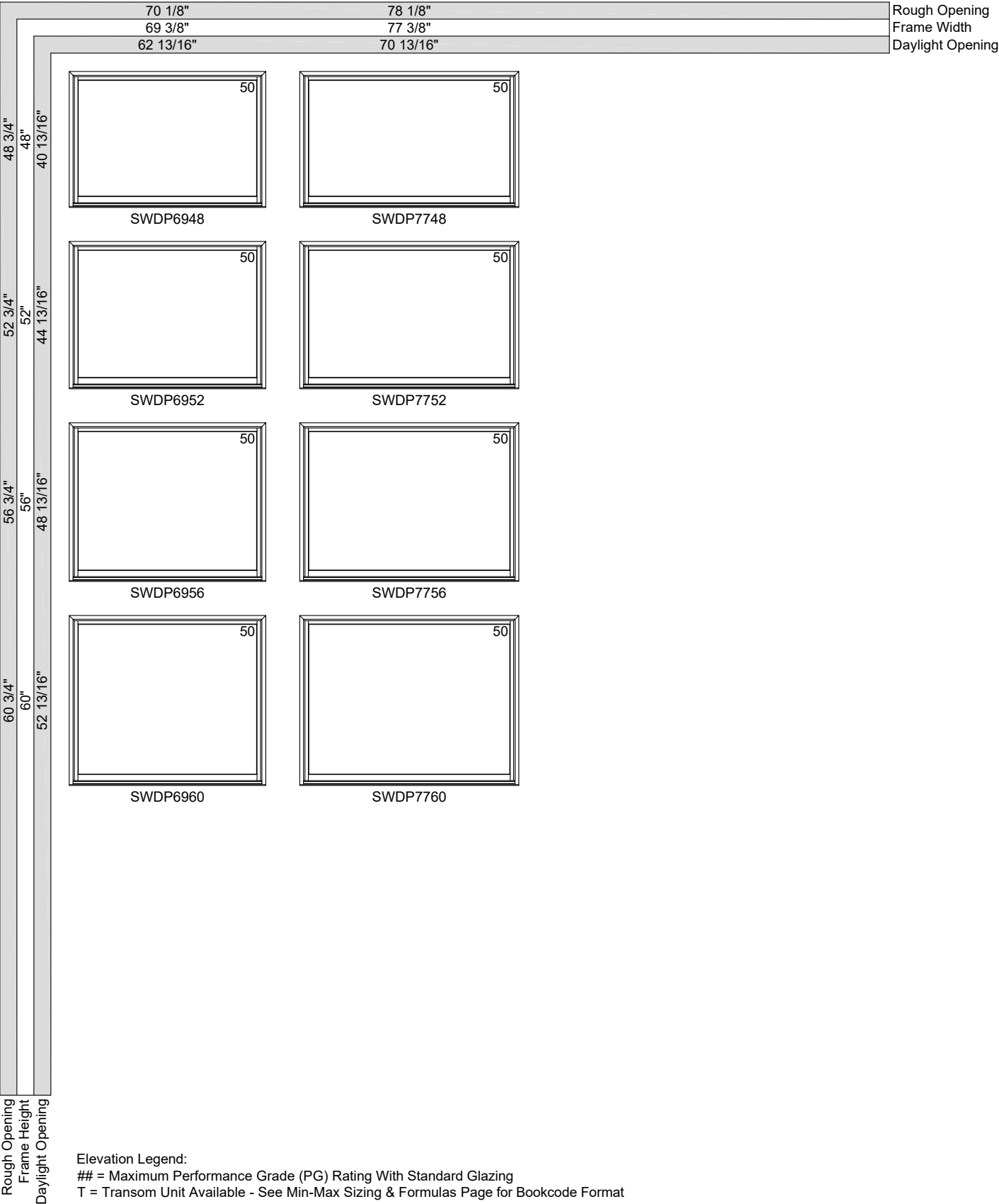
Daylight Opening

FIXED UNITS - RECTANGLE

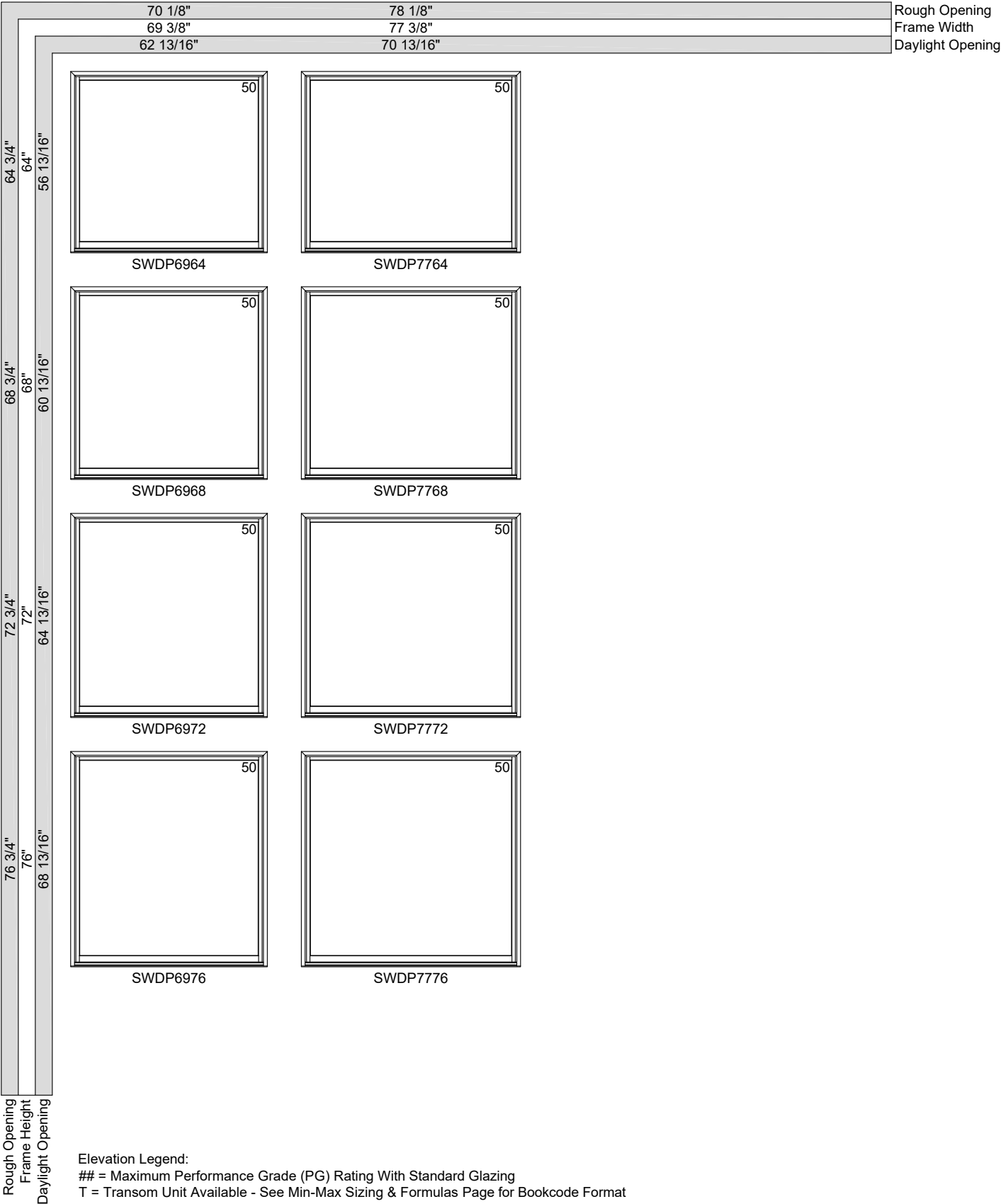
	70 1/8"	78 1/8"	Rough Opening
	69 3/8"	77 3/8"	Frame Width
	62 13/16"	70 13/16"	Daylight Opening
15 3/4"			
18 3/4"			
24 3/4"			
32 3/4"			
36 3/4"			
40 3/4"			
44 3/4"			

= Max Min Max Perform Per Grade (PG) Per Size With Glazing Glazing
 Height = Transer Height Available - See Min-Max Size & Formulas Page for Bookcode Format

FIXED UNITS - RECTANGLE



FIXED UNITS - RECTANGLE

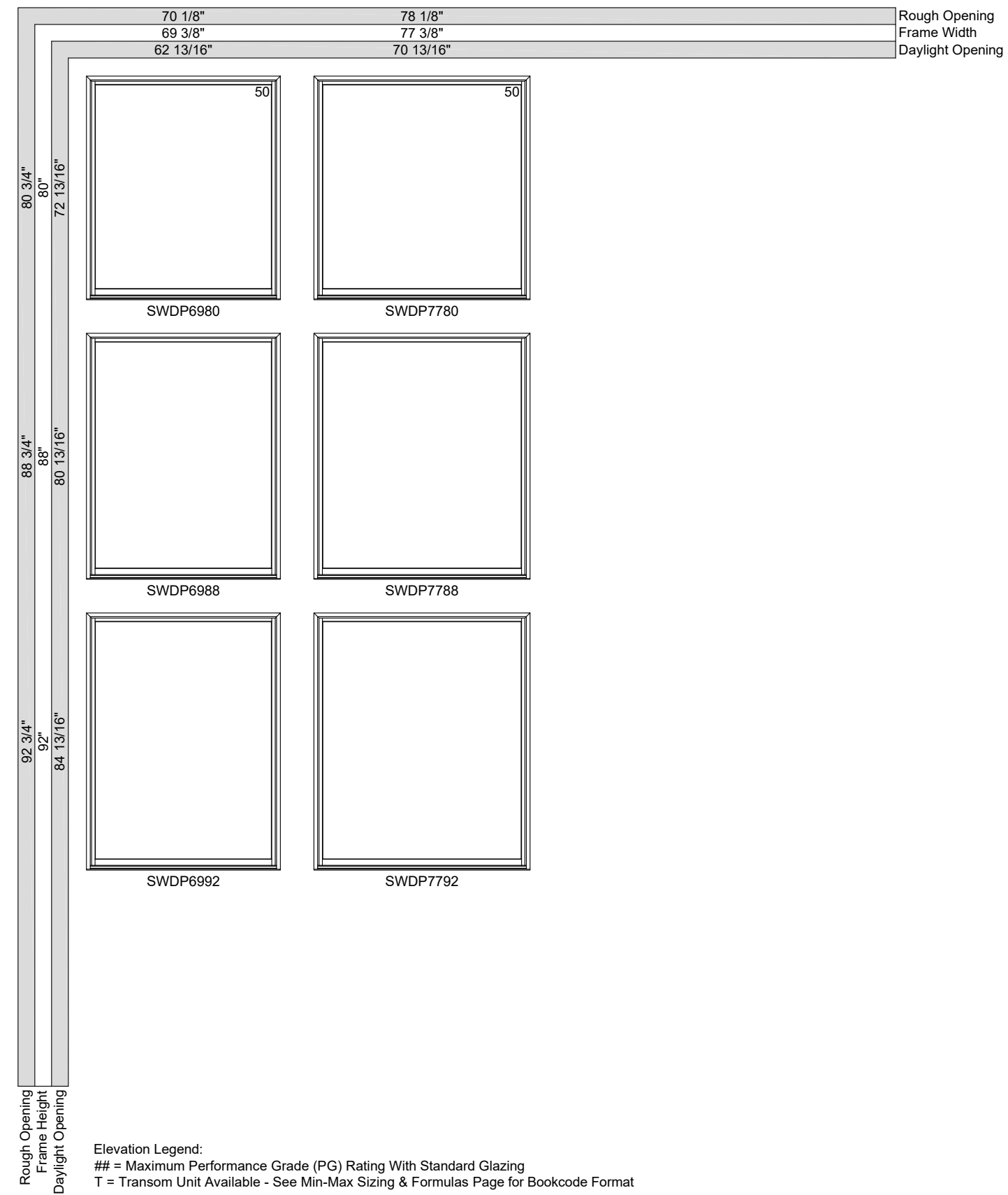


Rough Opening

Frame Height

Daylight Opening

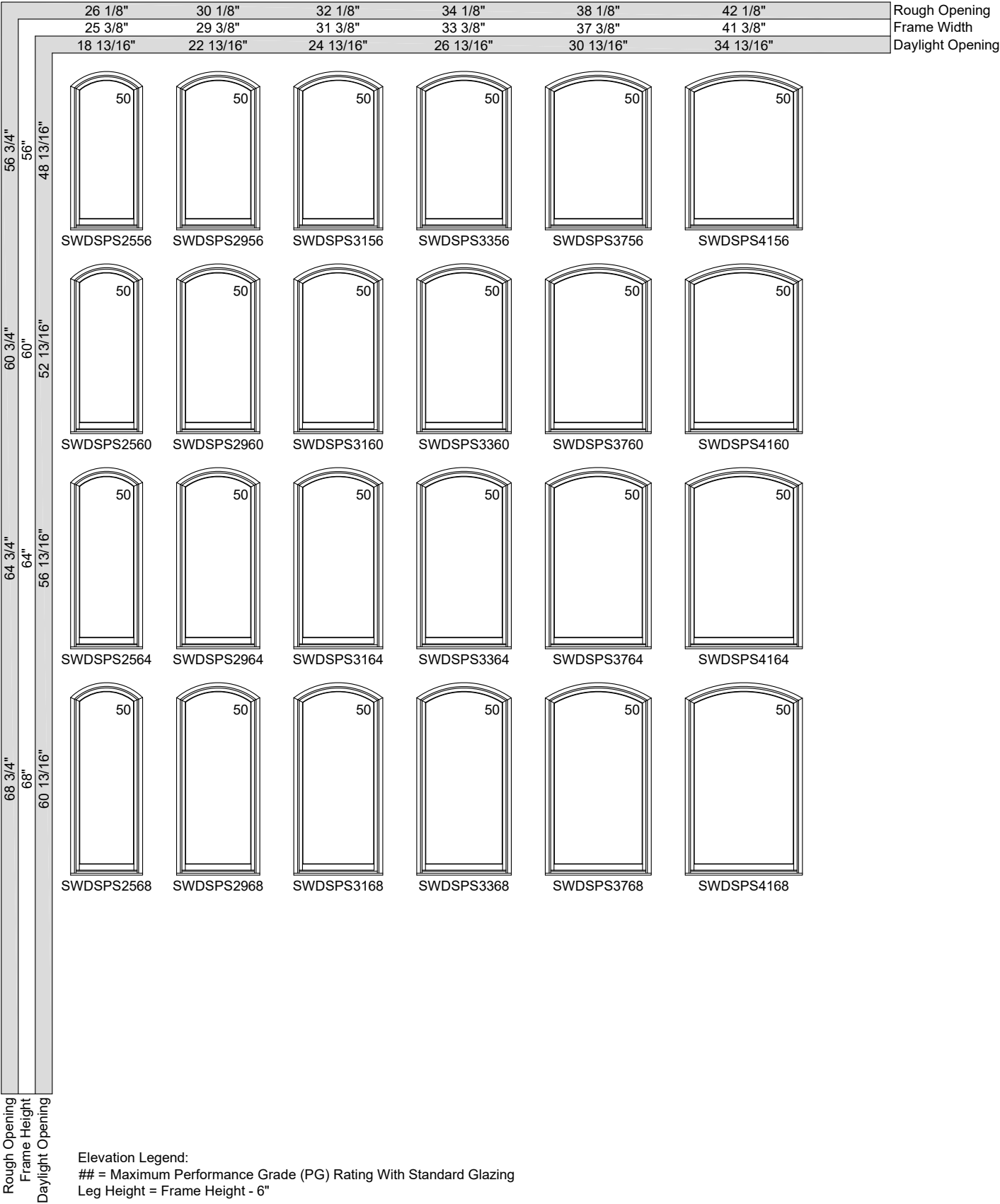
FIXED UNITS - RECTANGLE



FIXED UNITS - EXTENDED CIRCLE SEGMENT

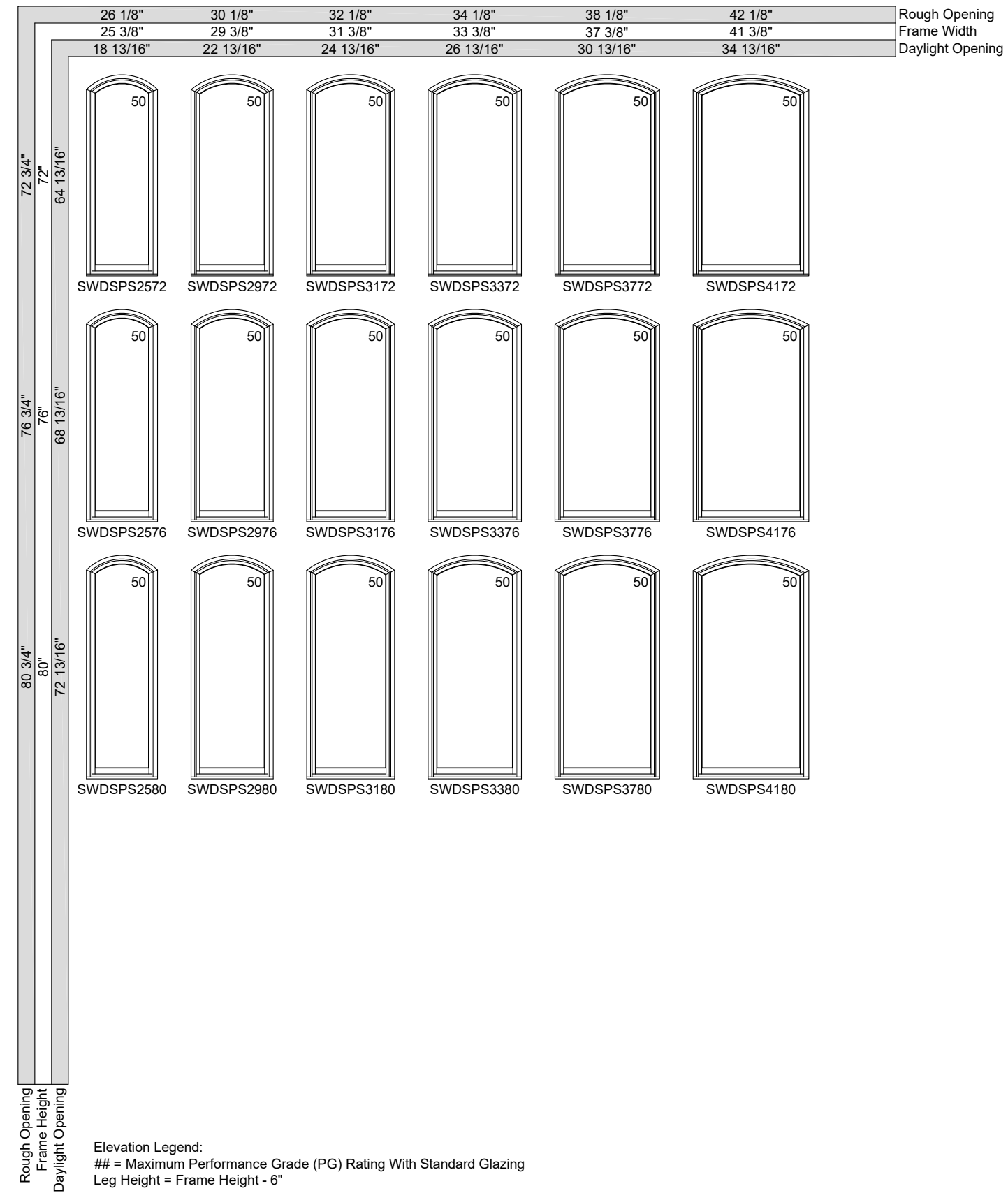
Rough Opening						Rough Opening
Frame Width						Frame Width
Daylight Opening						Daylight Opening

FIXED UNITS - EXTENDED CIRCLE SEGMENT

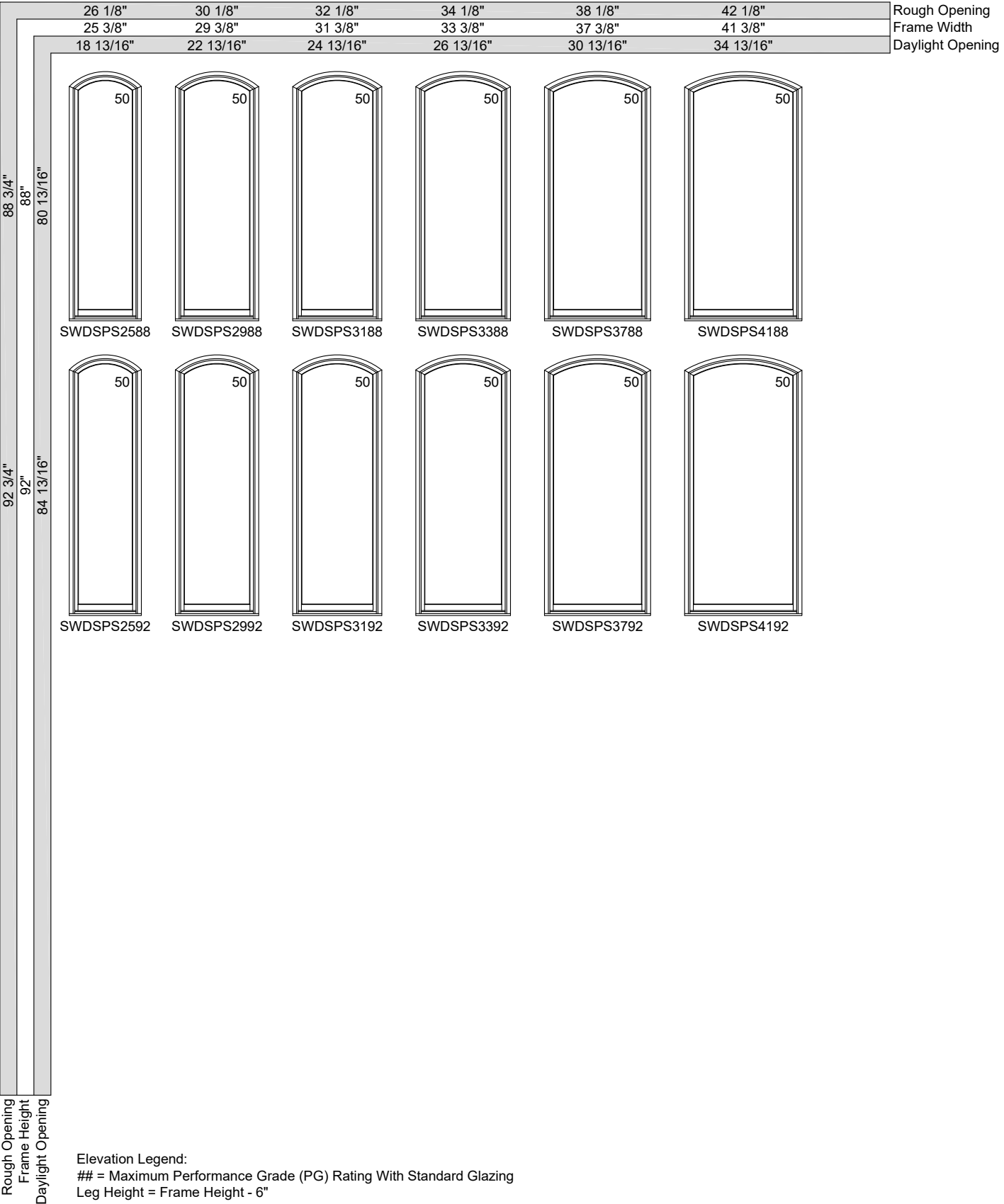


Elevation Legend:
= Maximum Performance Grade (PG) Rating With Standard Glazing
Leg Height = Frame Height - 6"

FIXED UNITS - EXTENDED CIRCLE SEGMENT



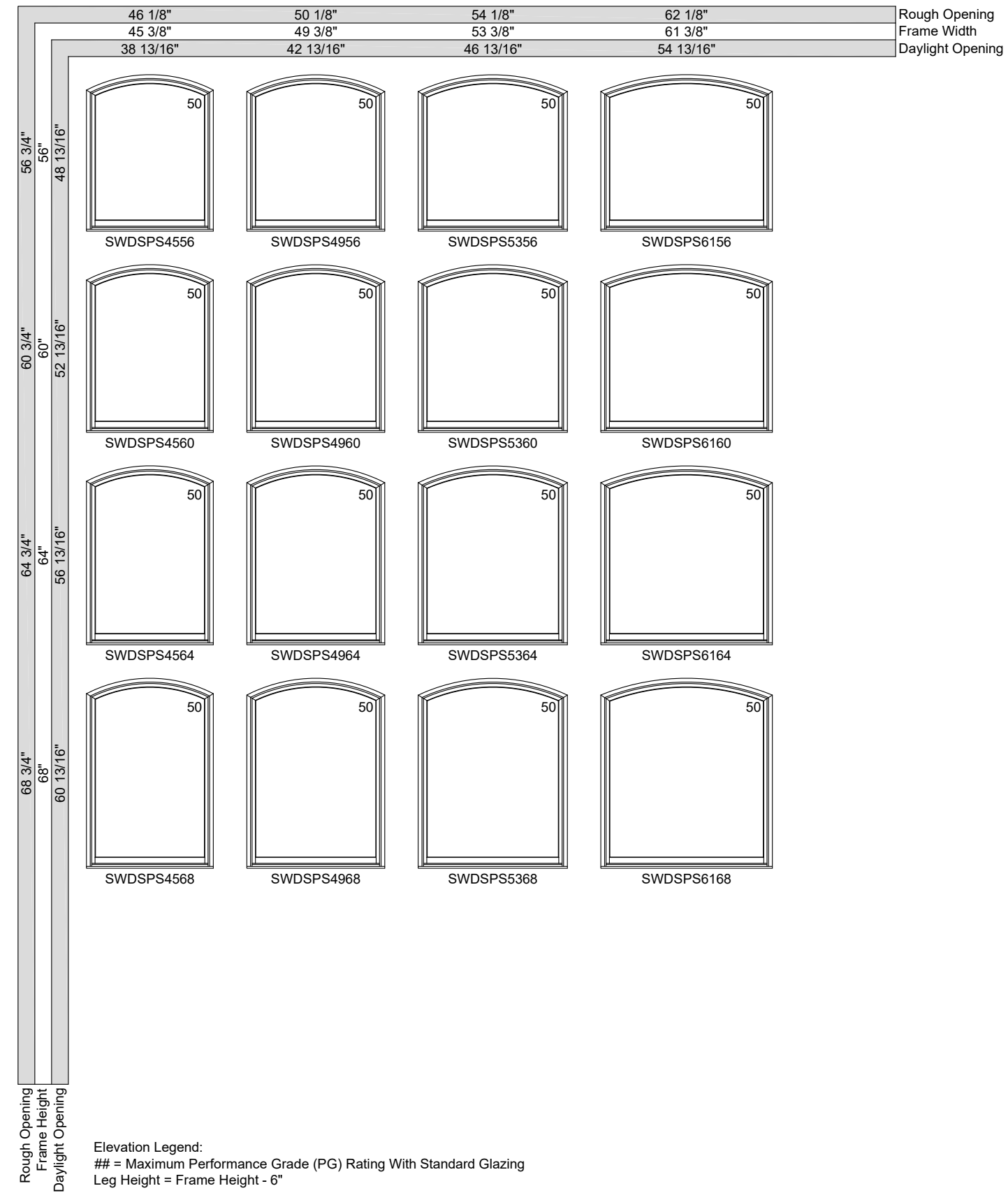
FIXED UNITS - EXTENDED CIRCLE SEGMENT



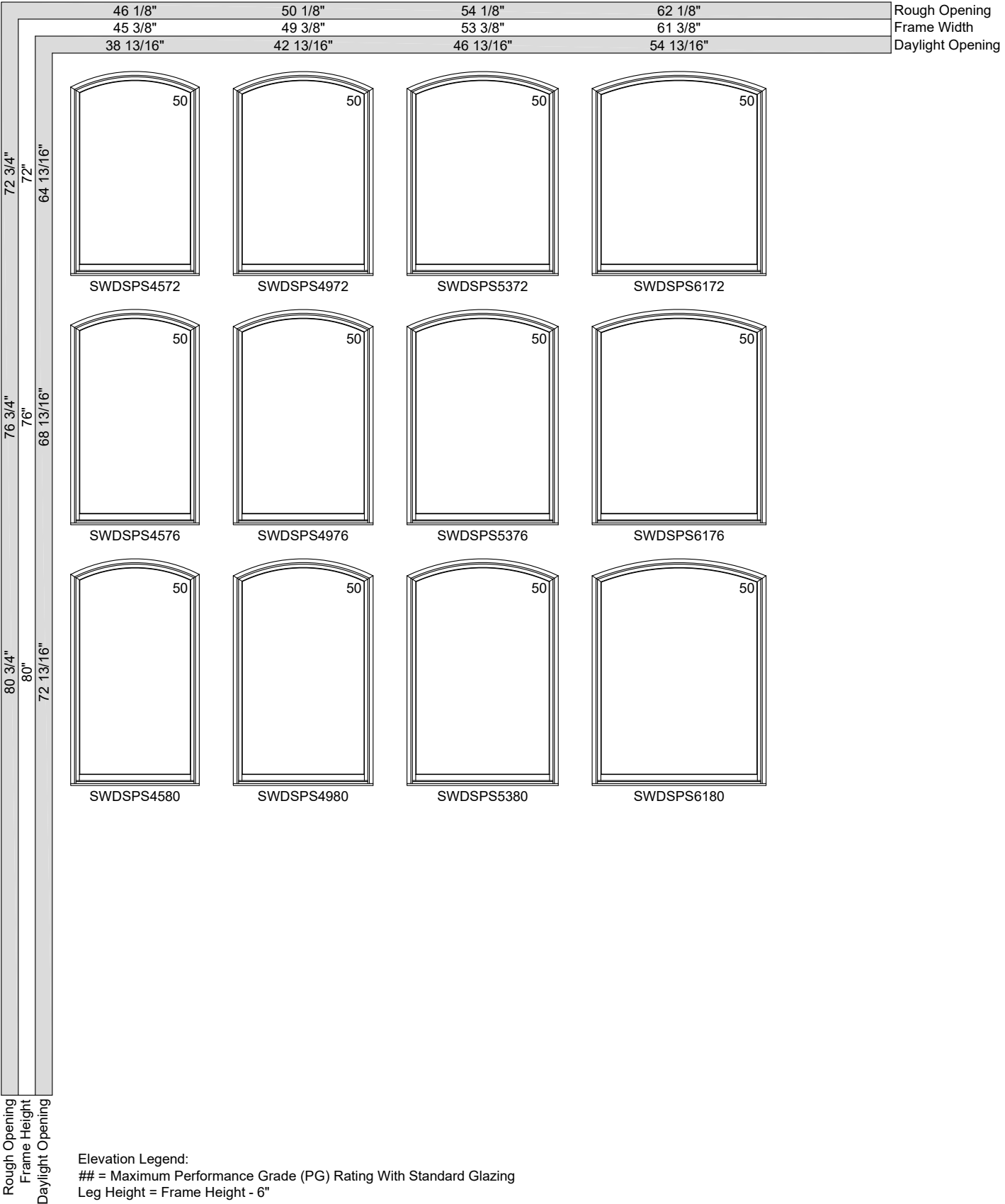
46 1/8"	50 1/8"	54 1/8"	62 1/8"	Rough Opening
45 3/8"	49 3/8"	53 3/8"	61 3/8"	Frame Width
38 13/16"	42 13/16"	46 13/16"	54 13/16"	Daylight Opening

May 2024 | Scale: 1/4" = 1'-0" Product specifications may change without notice. Architectural Design Manual | 62

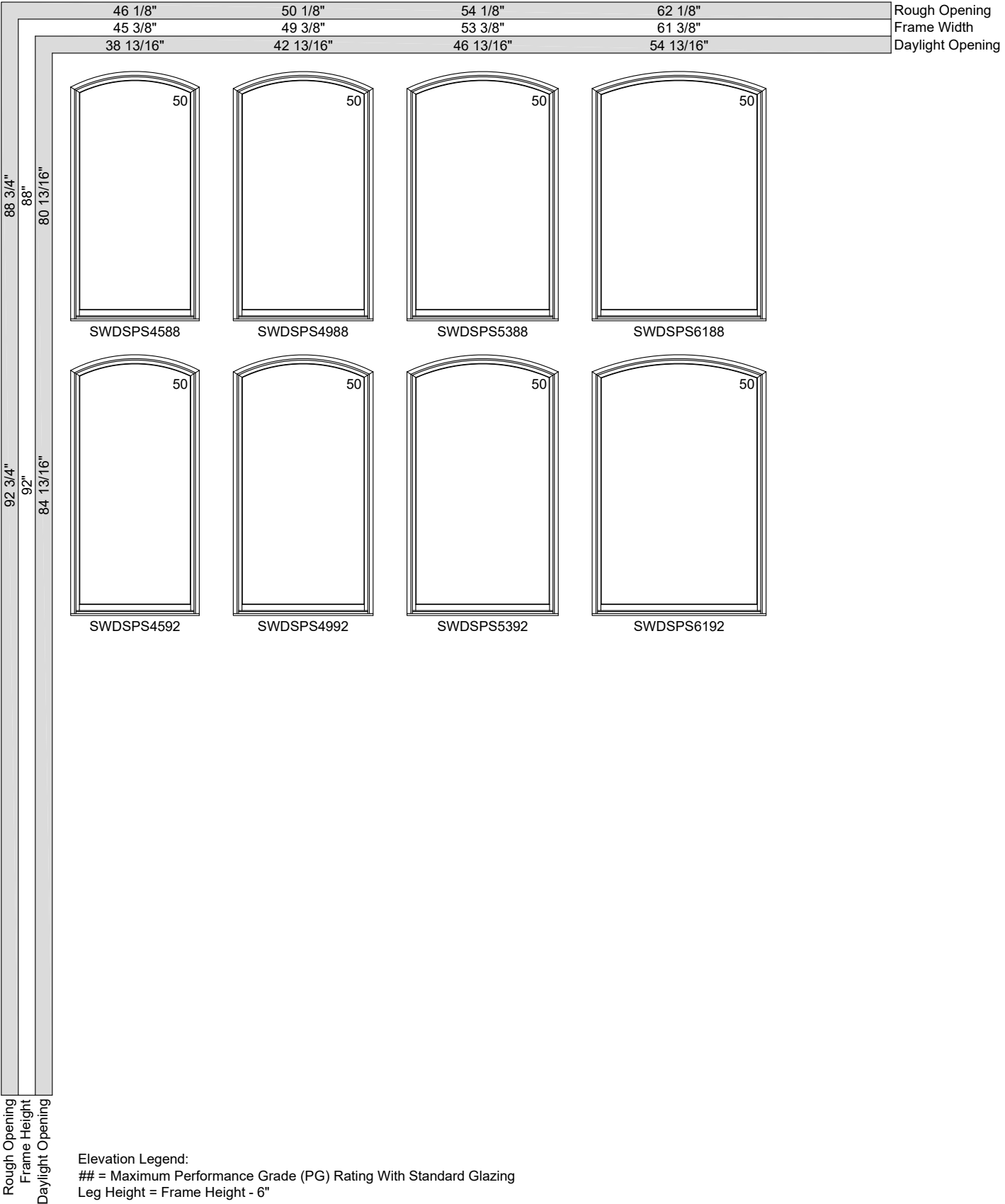
FIXED UNITS - EXTENDED CIRCLE SEGMENT



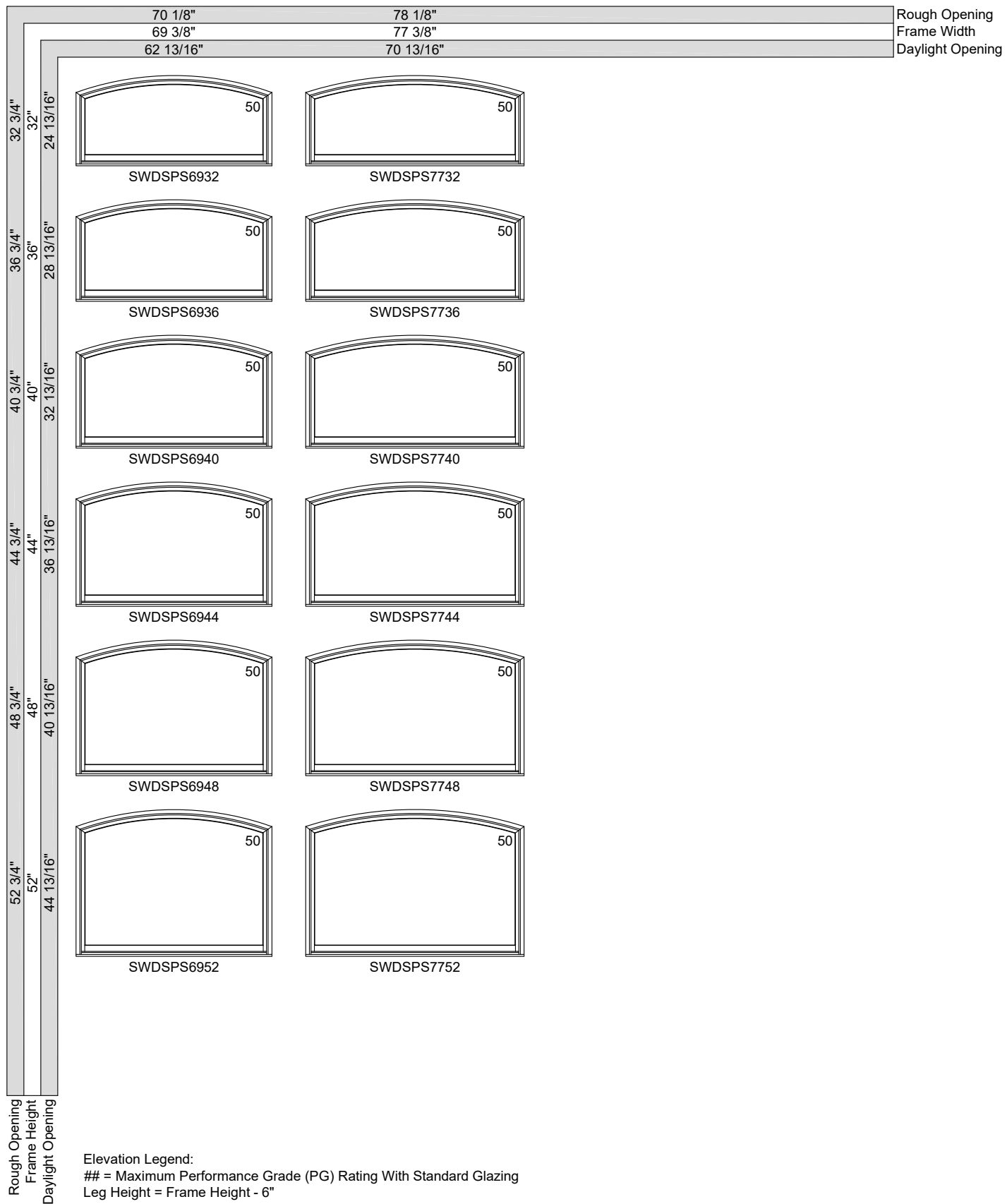
FIXED UNITS - EXTENDED CIRCLE SEGMENT



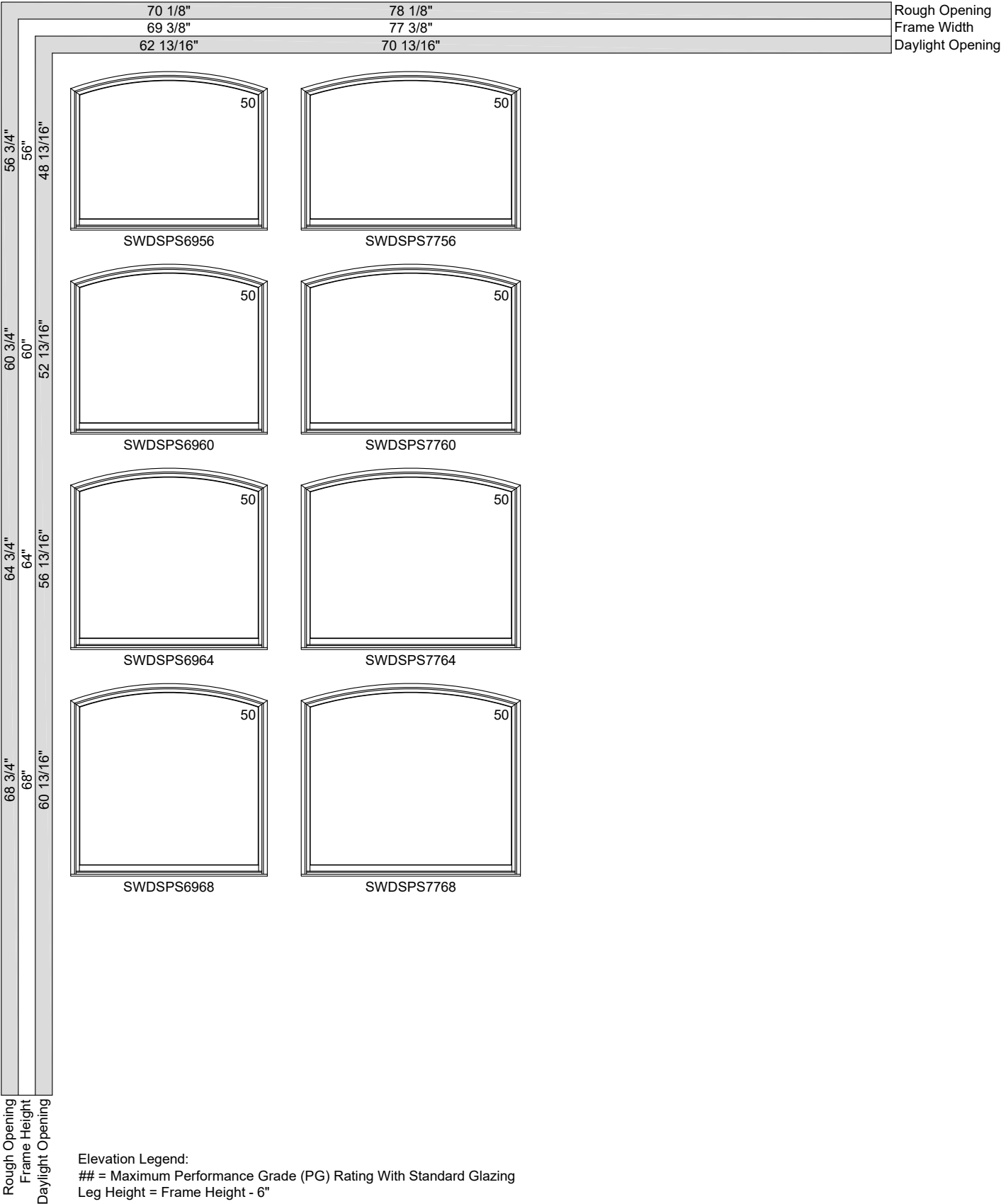
FIXED UNITS - EXTENDED CIRCLE SEGMENT



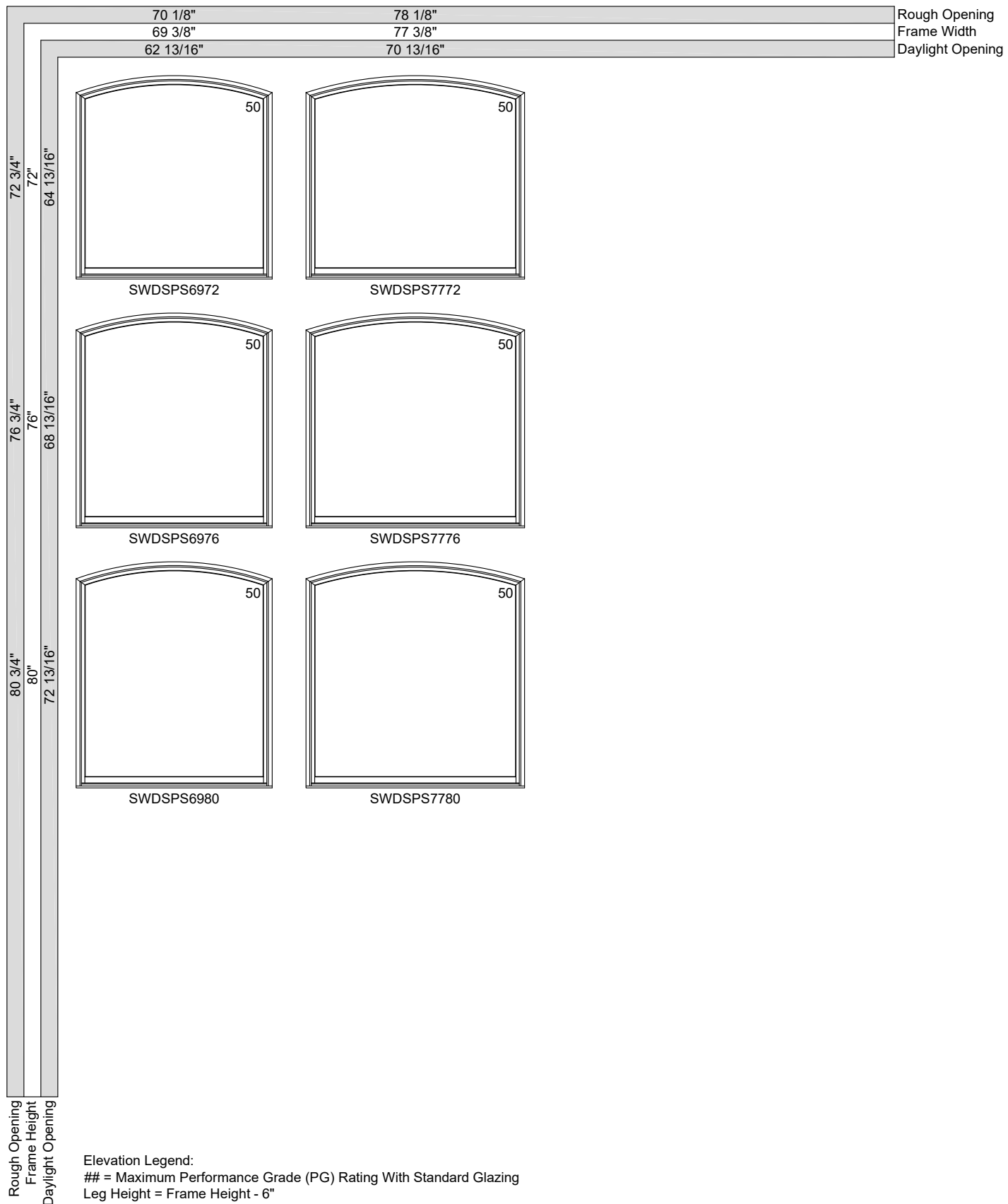
FIXED UNITS - EXTENDED CIRCLE SEGMENT



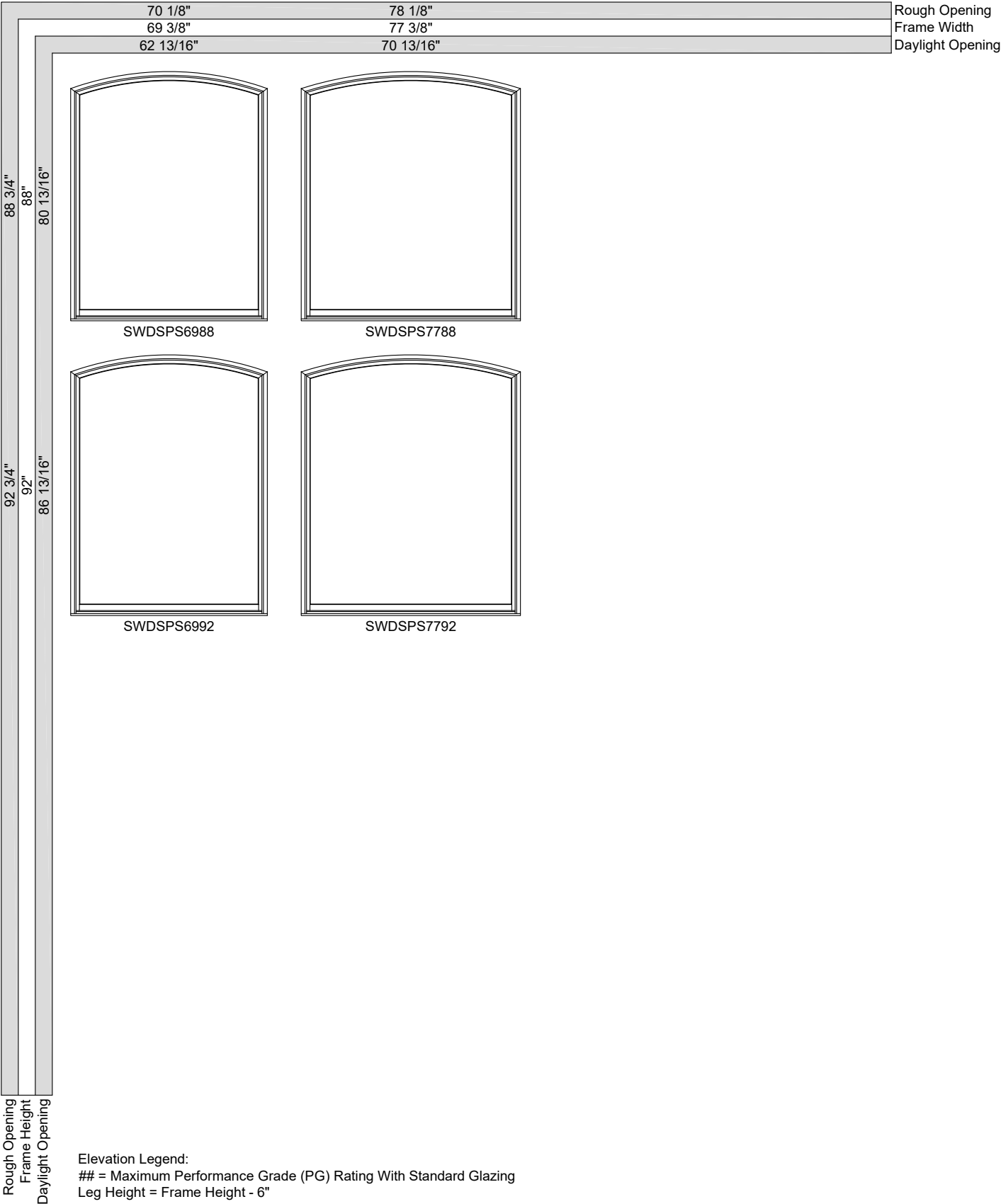
FIXED UNITS - EXTENDED CIRCLE SEGMENT



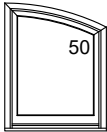
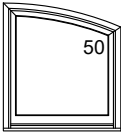
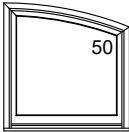
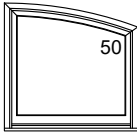
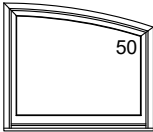
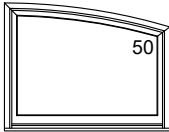
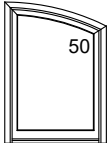
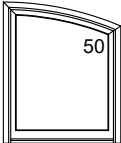
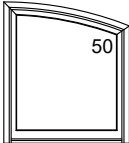
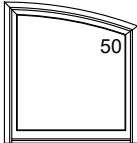
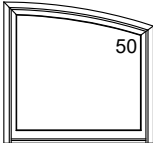
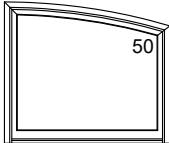
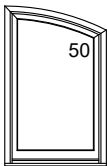
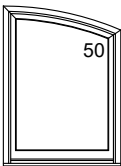
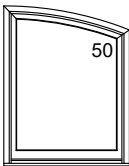
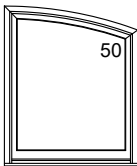
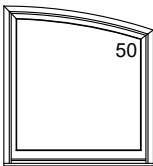
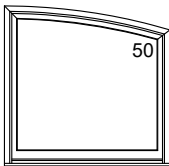
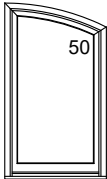
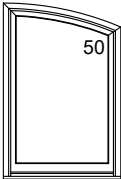
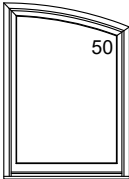
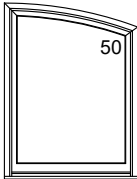
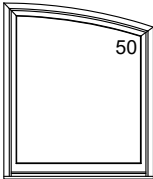
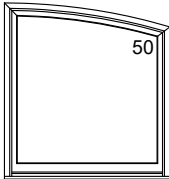
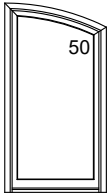
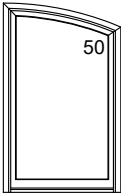
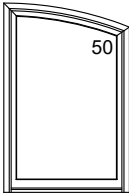
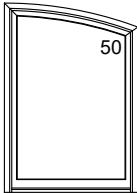
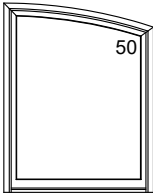
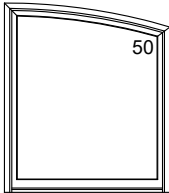
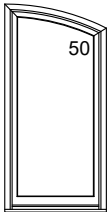
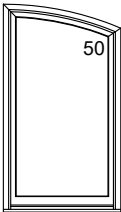
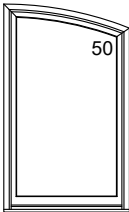
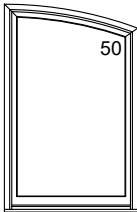
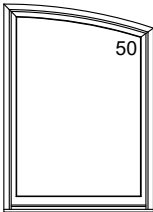
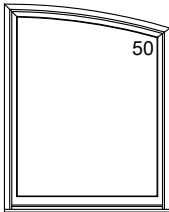
FIXED UNITS - EXTENDED CIRCLE SEGMENT



FIXED UNITS - EXTENDED CIRCLE SEGMENT

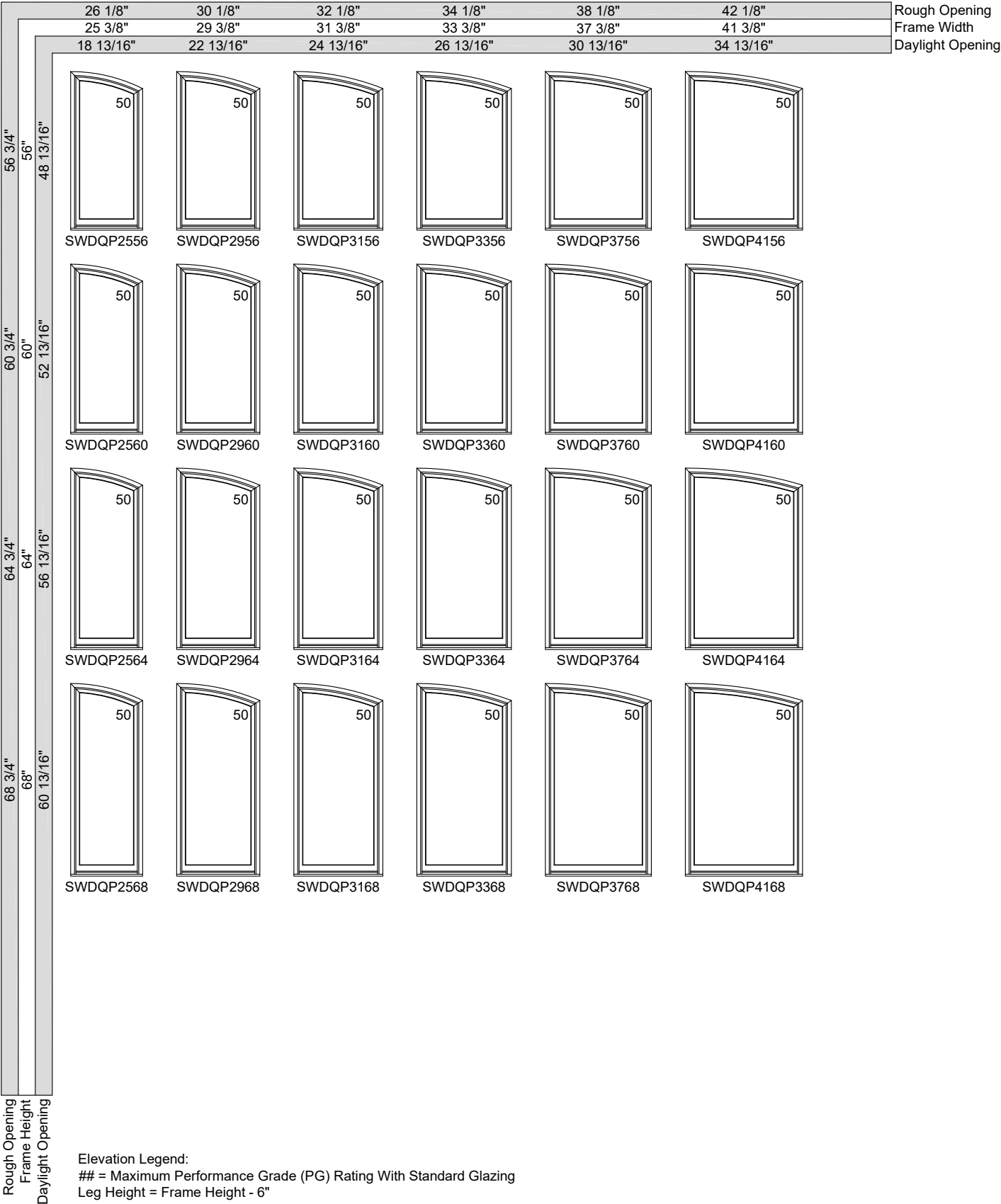


FIXED UNITS - EXTENDED QUARTER SEGMENT

						Rough Opening
						Frame Width
						Daylight Opening
	26 1/8"	30 1/8"	32 1/8"	34 1/8"	38 1/8"	42 1/8"
	25 3/8"	29 3/8"	31 3/8"	33 3/8"	37 3/8"	41 3/8"
	18 13/16"	22 13/16"	24 13/16"	26 13/16"	30 13/16"	34 13/16"
32 3/4"						
	SWDQP2532	SWDQP2932	SWDQP3132	SWDQP3332	SWDQP3732	SWDQP4132
36 3/4"						
	SWDQP2536	SWDQP2936	SWDQP3136	SWDQP3336	SWDQP3736	SWDQP4136
40 3/4"						
	SWDQP2540	SWDQP2940	SWDQP3140	SWDQP3340	SWDQP3740	SWDQP4140
44 3/4"						
	SWDQP2544	SWDQP2944	SWDQP3144	SWDQP3344	SWDQP3744	SWDQP4144
48 3/4"						
	SWDQP2548	SWDQP2948	SWDQP3148	SWDQP3348	SWDQP3748	SWDQP4148
52 3/4"						
	SWDQP2552	SWDQP2952	SWDQP3152	SWDQP3352	SWDQP3752	SWDQP4152
Rough Opening						
Frame Height						
Daylight Opening						

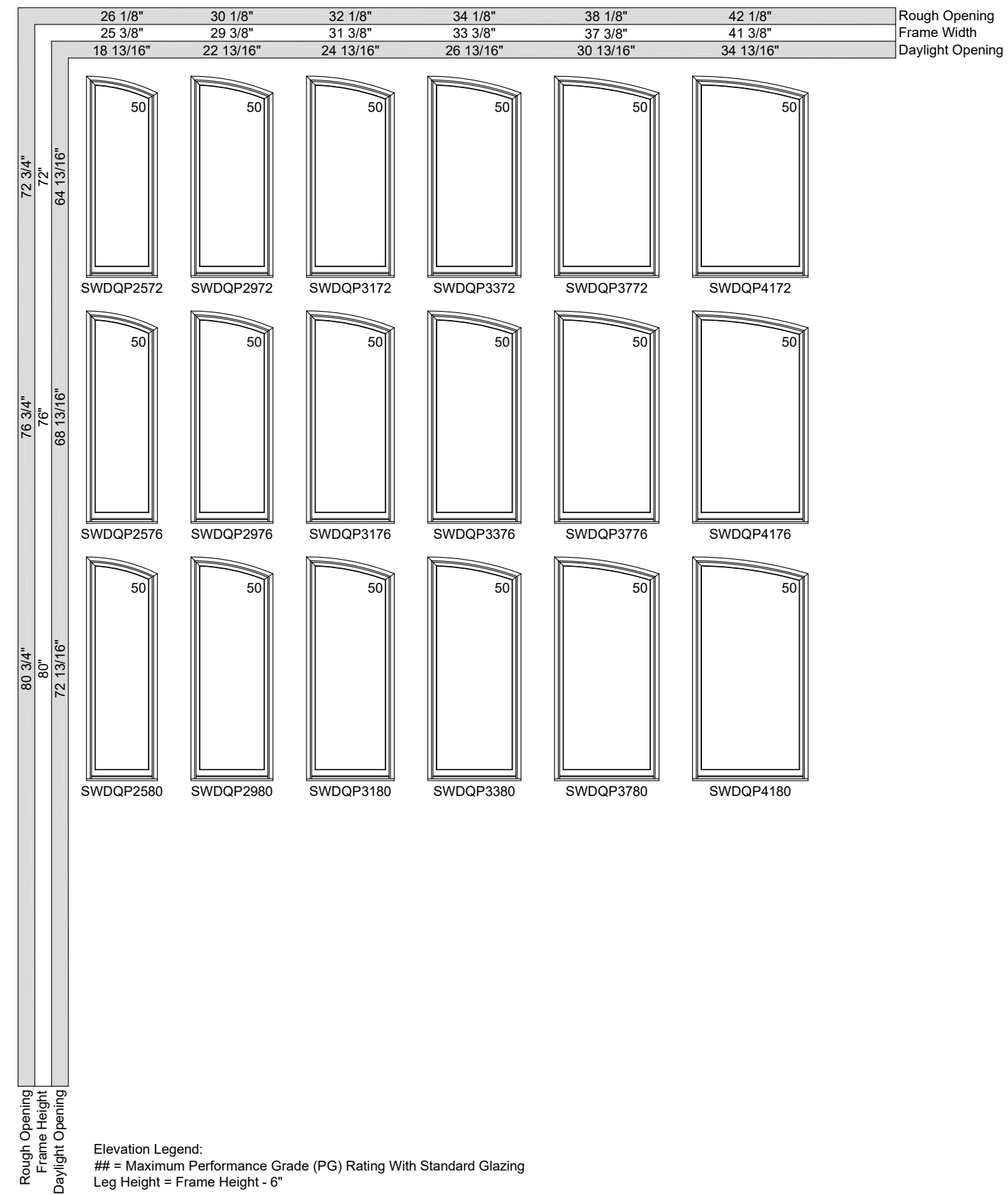
Elevation Legend:
= Maximum Performance Grade (PG) Rating With Standard Glazing
Leg Height = Frame Height - 6"

FIXED UNITS - EXTENDED QUARTER SEGMENT

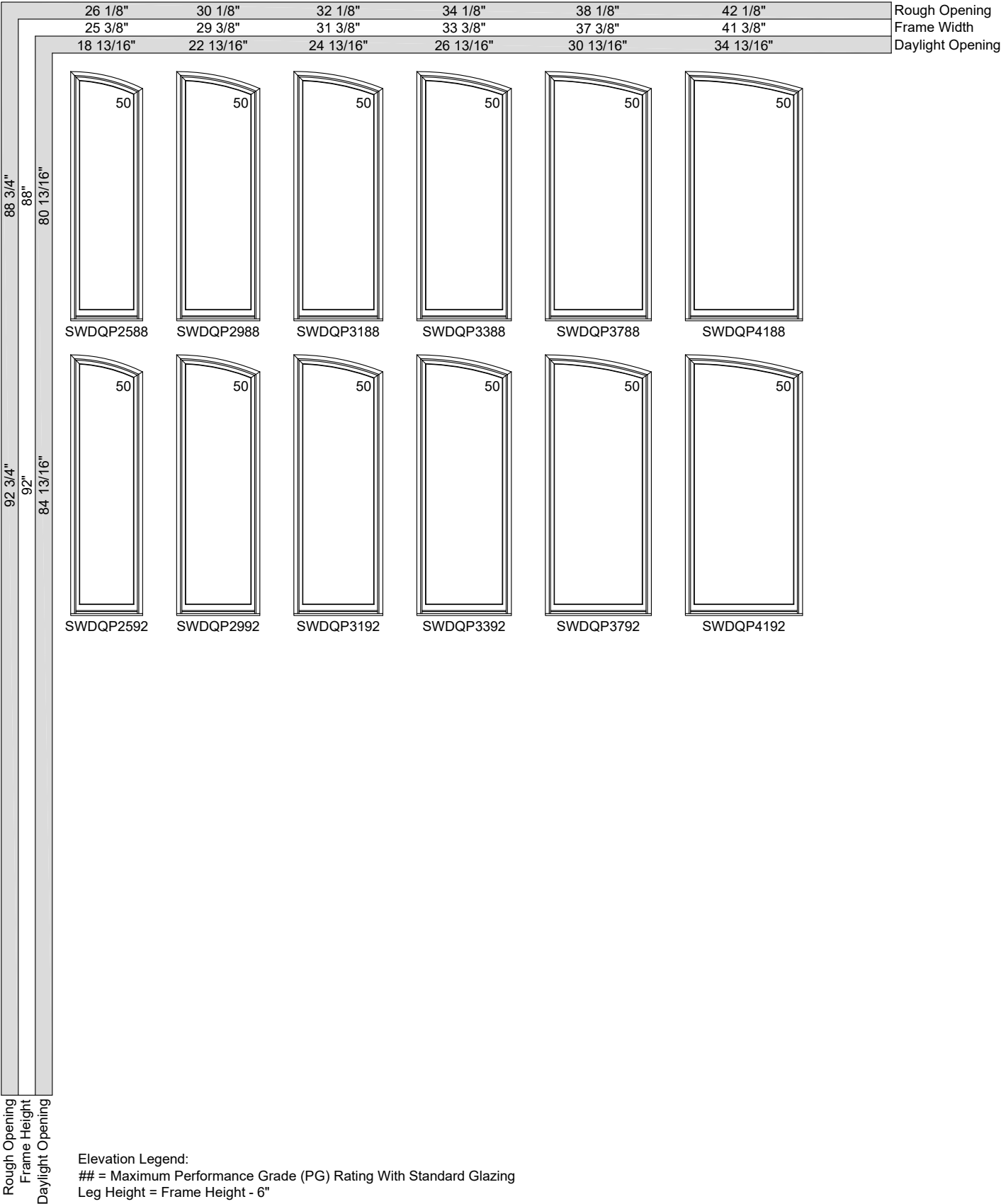


Elevation Legend:
= Maximum Performance Grade (PG) Rating With Standard Glazing
Leg Height = Frame Height - 6"

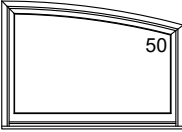
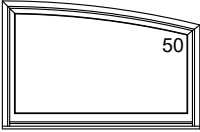
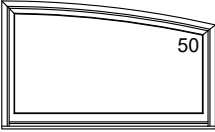
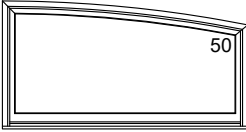
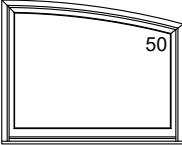
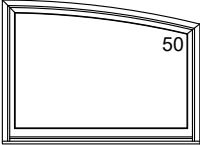
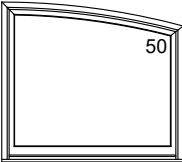
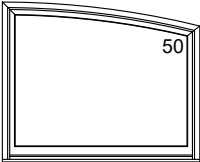
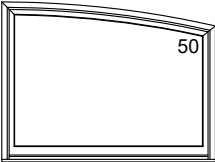
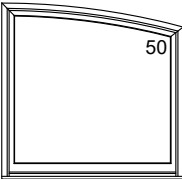
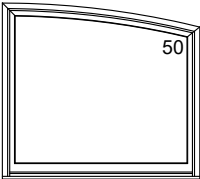
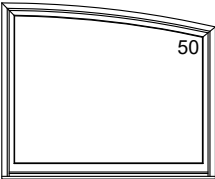
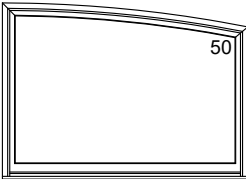
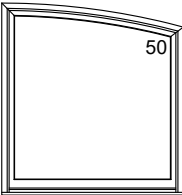
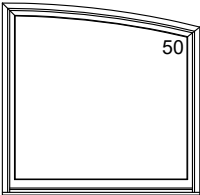
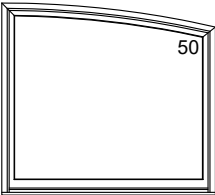
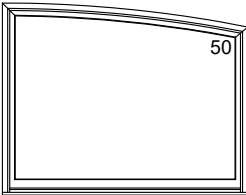
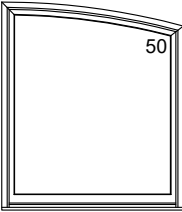
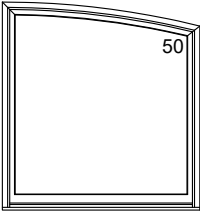
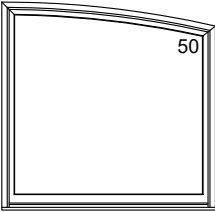
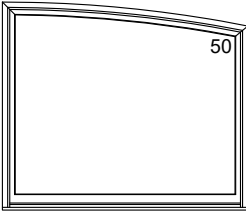
FIXED UNITS - EXTENDED QUARTER SEGMENT



FIXED UNITS - EXTENDED QUARTER SEGMENT



FIXED UNITS - EXTENDED QUARTER SEGMENT

46 1/8"				Rough Opening
45 3/8"				Frame Width
38 13/16"				Daylight Opening
32 3/4"	32"	24 13/16"		SWDQP4532
				SWDQP4932
				SWDQP5332
				SWDQP6132
36 3/4"	36"	28 13/16"		SWDQP4536
				SWDQP4936
				SWDQP5336
				SWDQP6136
40 3/4"	40"	32 13/16"		SWDQP4540
				SWDQP4940
				SWDQP5340
				SWDQP6140
44 3/4"	44"	36 13/16"		SWDQP4544
				SWDQP4944
				SWDQP5344
				SWDQP6144
48 3/4"	48"	40 13/16"		SWDQP4548
				SWDQP4948
				SWDQP5348
				SWDQP6148
52 3/4"	52"	44 13/16"		SWDQP4552
				SWDQP4952
				SWDQP5352
				SWDQP6152

Rough Opening

Frame Height

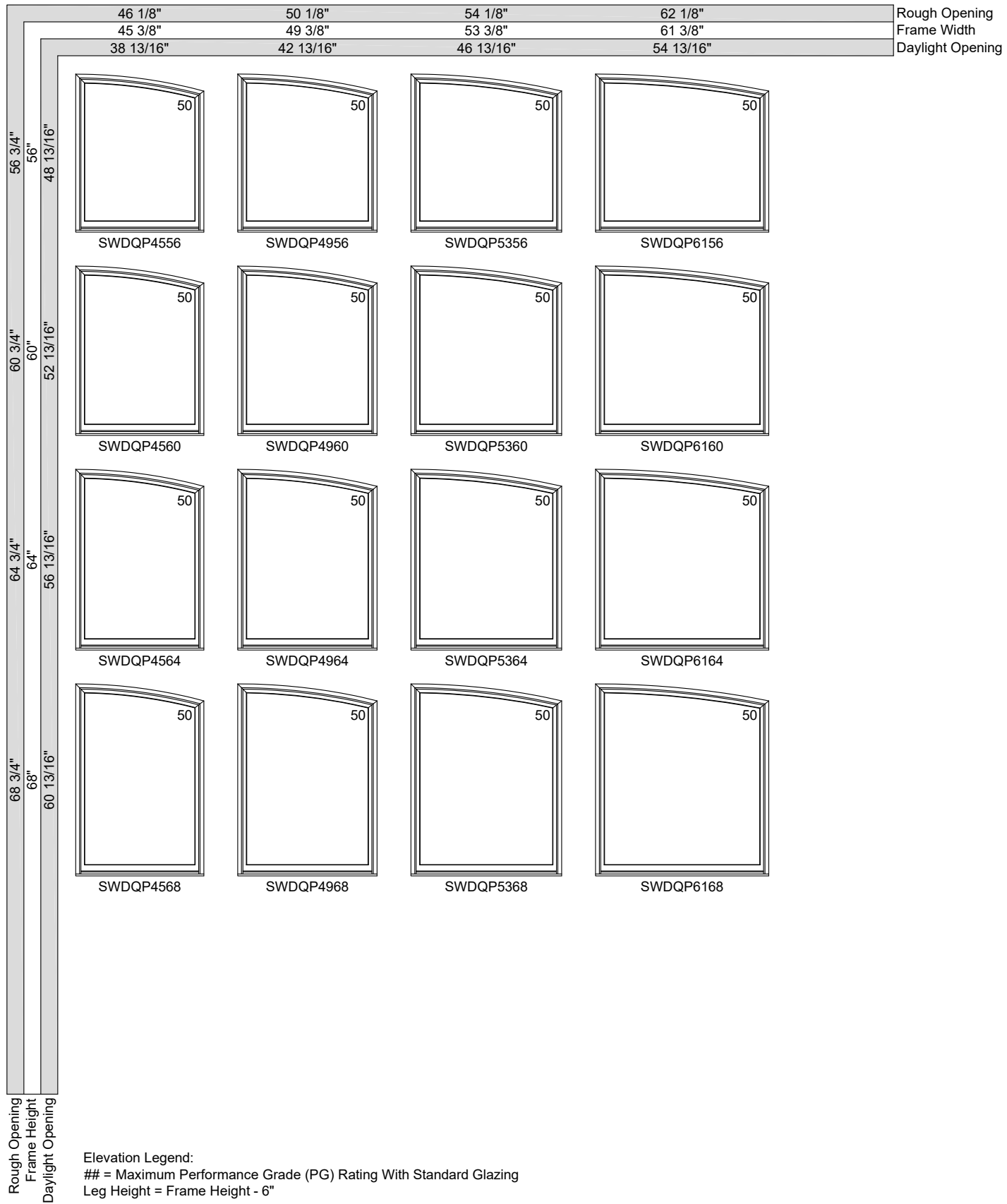
Daylight Opening

Elevation Legend:

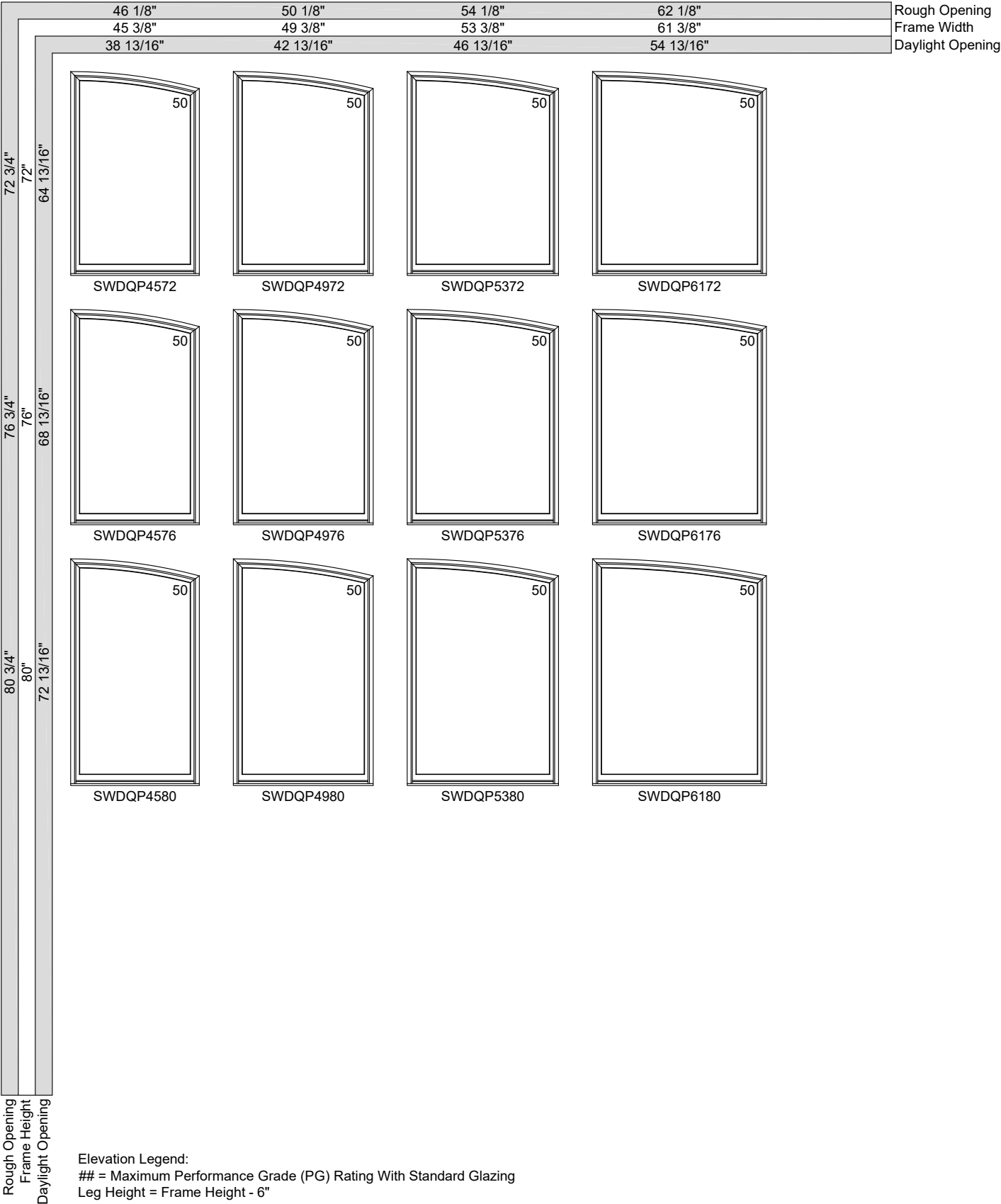
= Maximum Performance Grade (PG) Rating With Standard Glazing

Leg Height = Frame Height - 6"

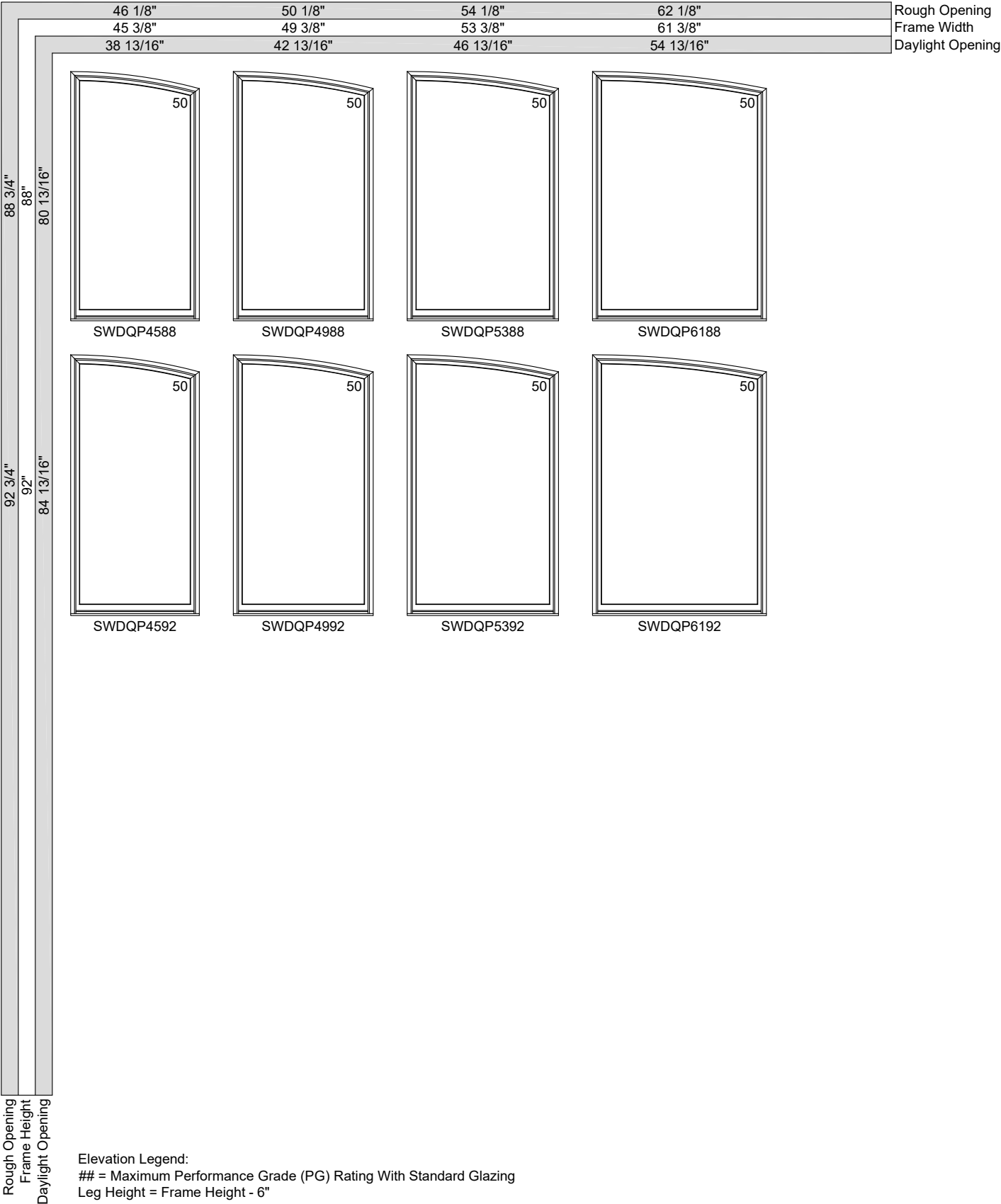
FIXED UNITS - EXTENDED QUARTER SEGMENT



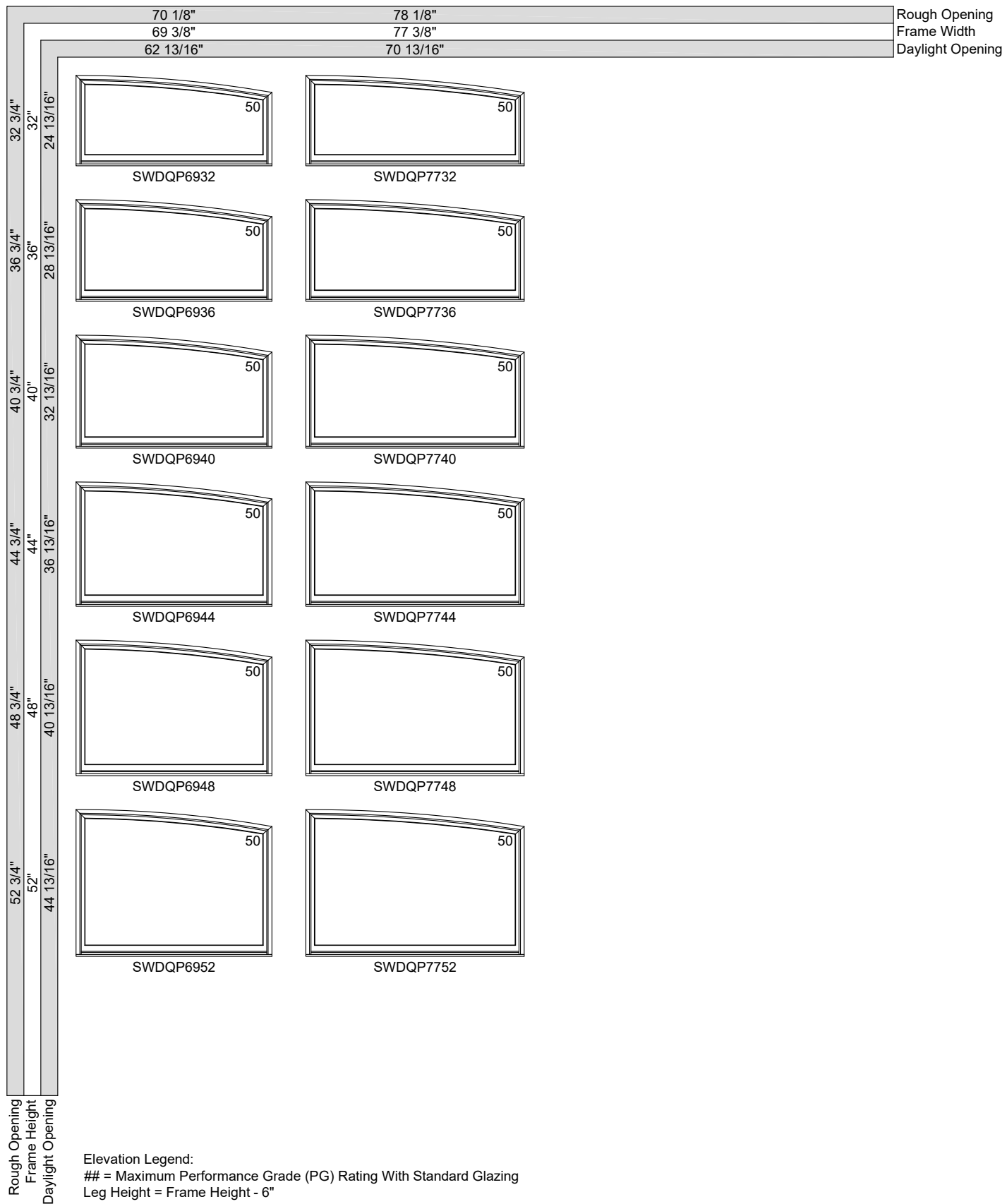
FIXED UNITS - EXTENDED QUARTER SEGMENT



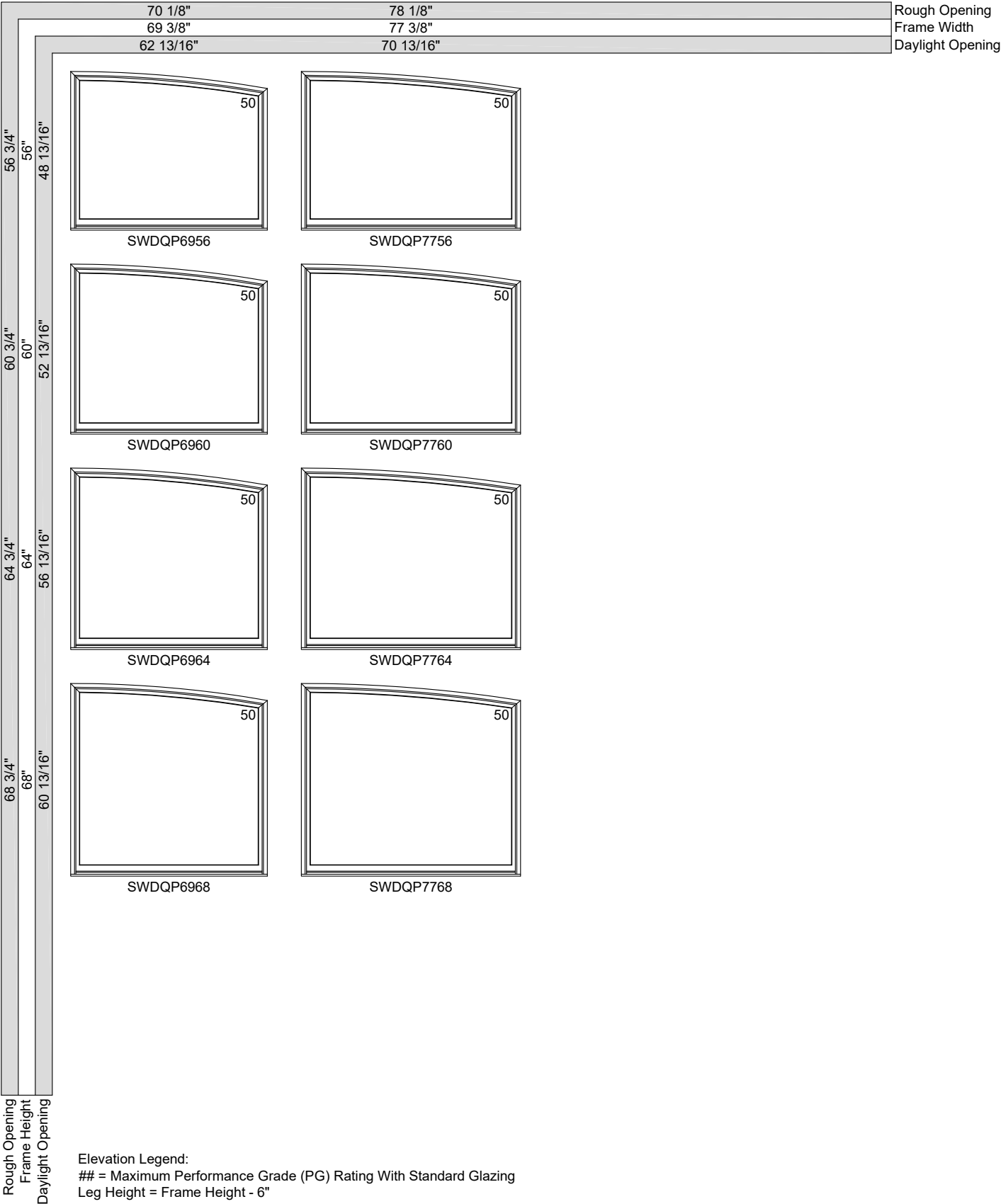
FIXED UNITS - EXTENDED QUARTER SEGMENT



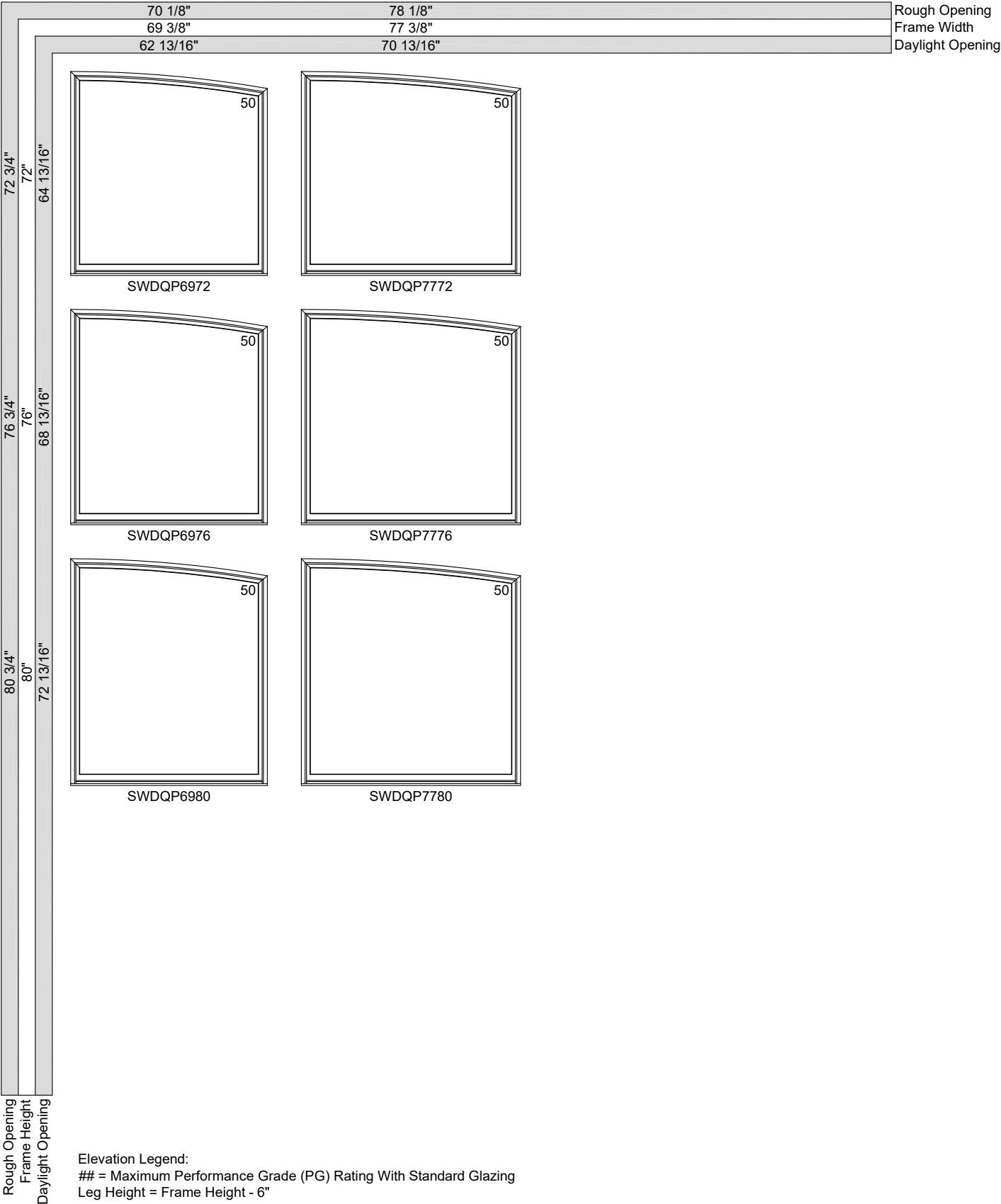
FIXED UNITS - EXTENDED QUARTER SEGMENT



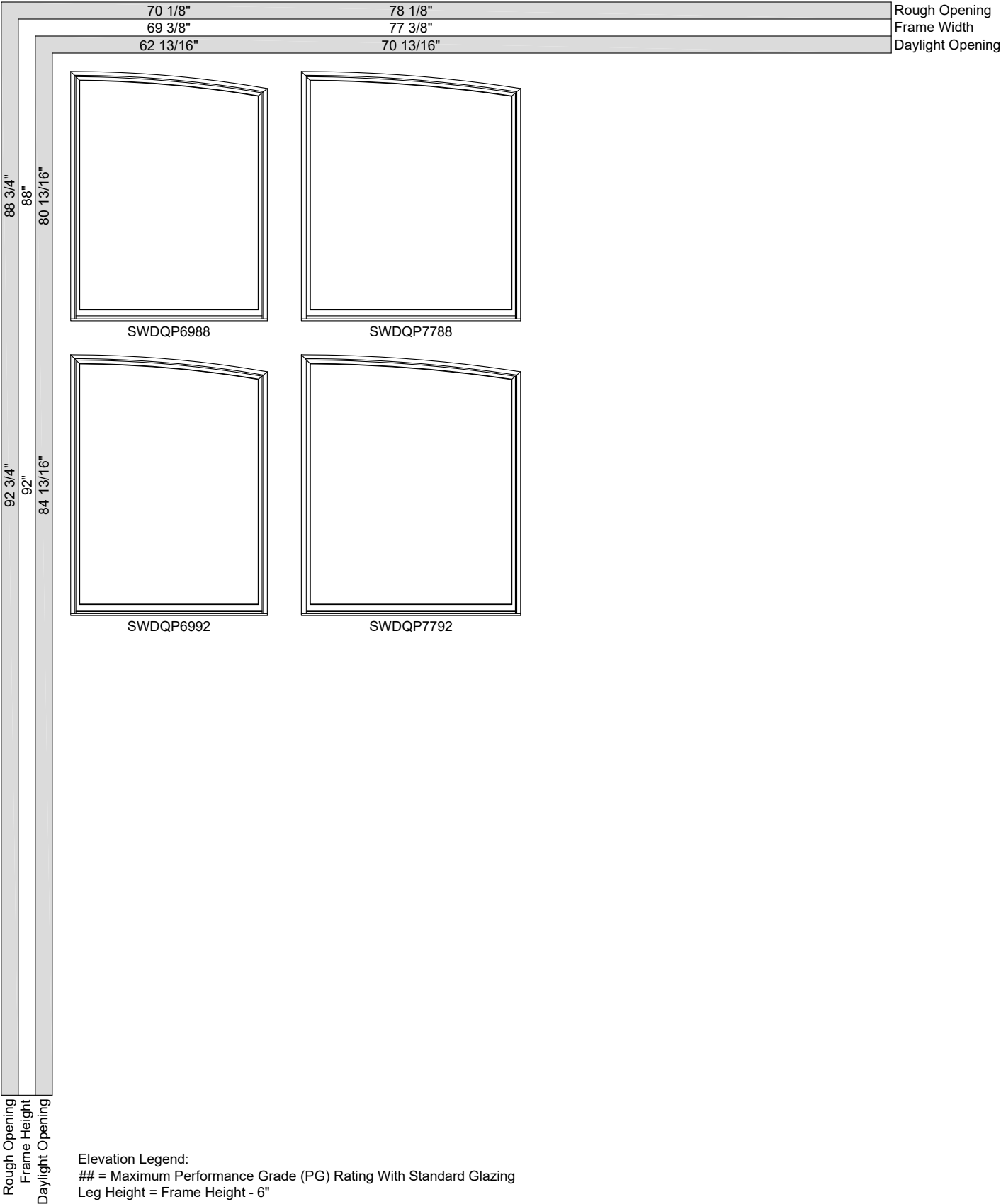
FIXED UNITS - EXTENDED QUARTER SEGMENT



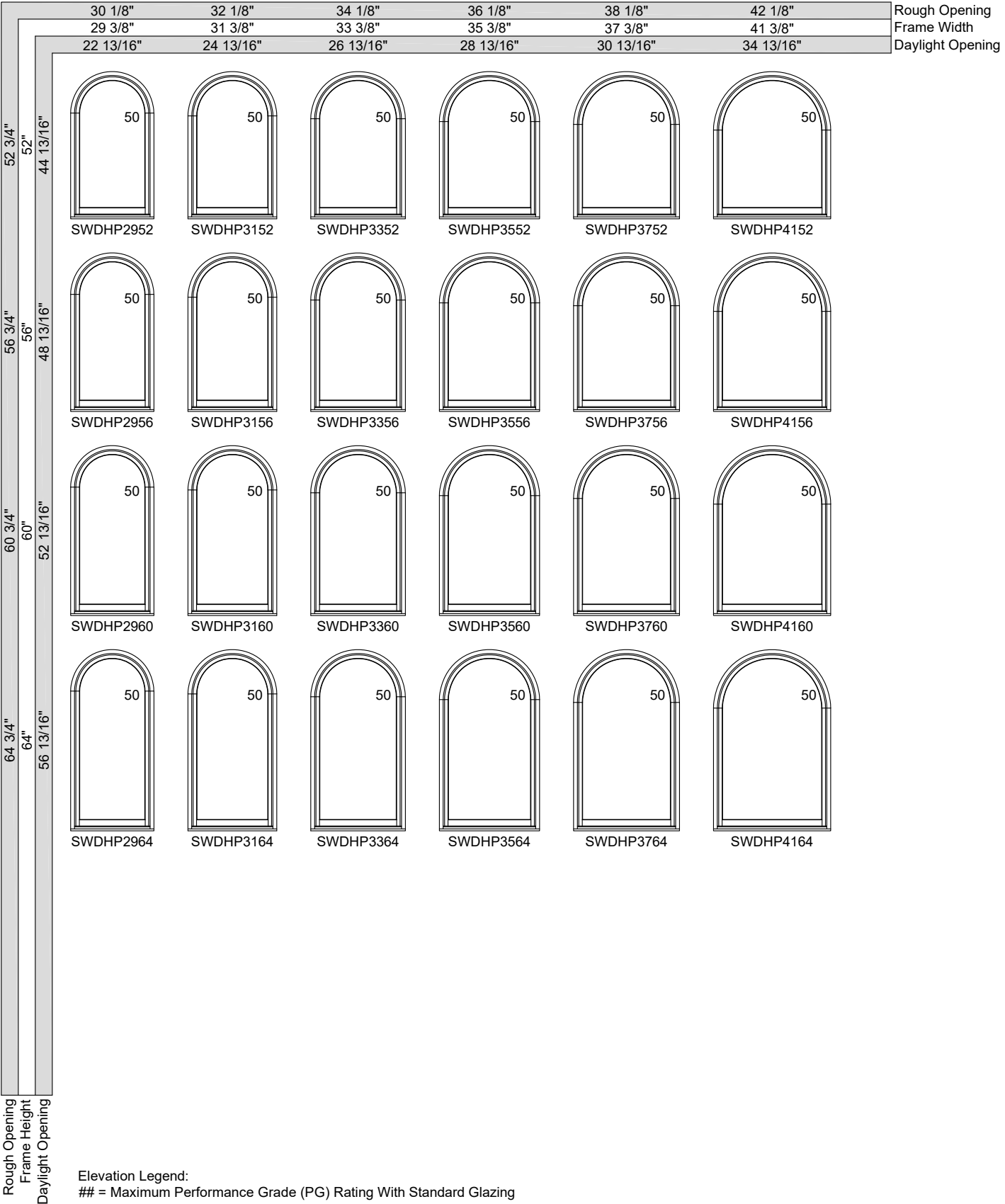
FIXED UNITS - EXTENDED QUARTER SEGMENT



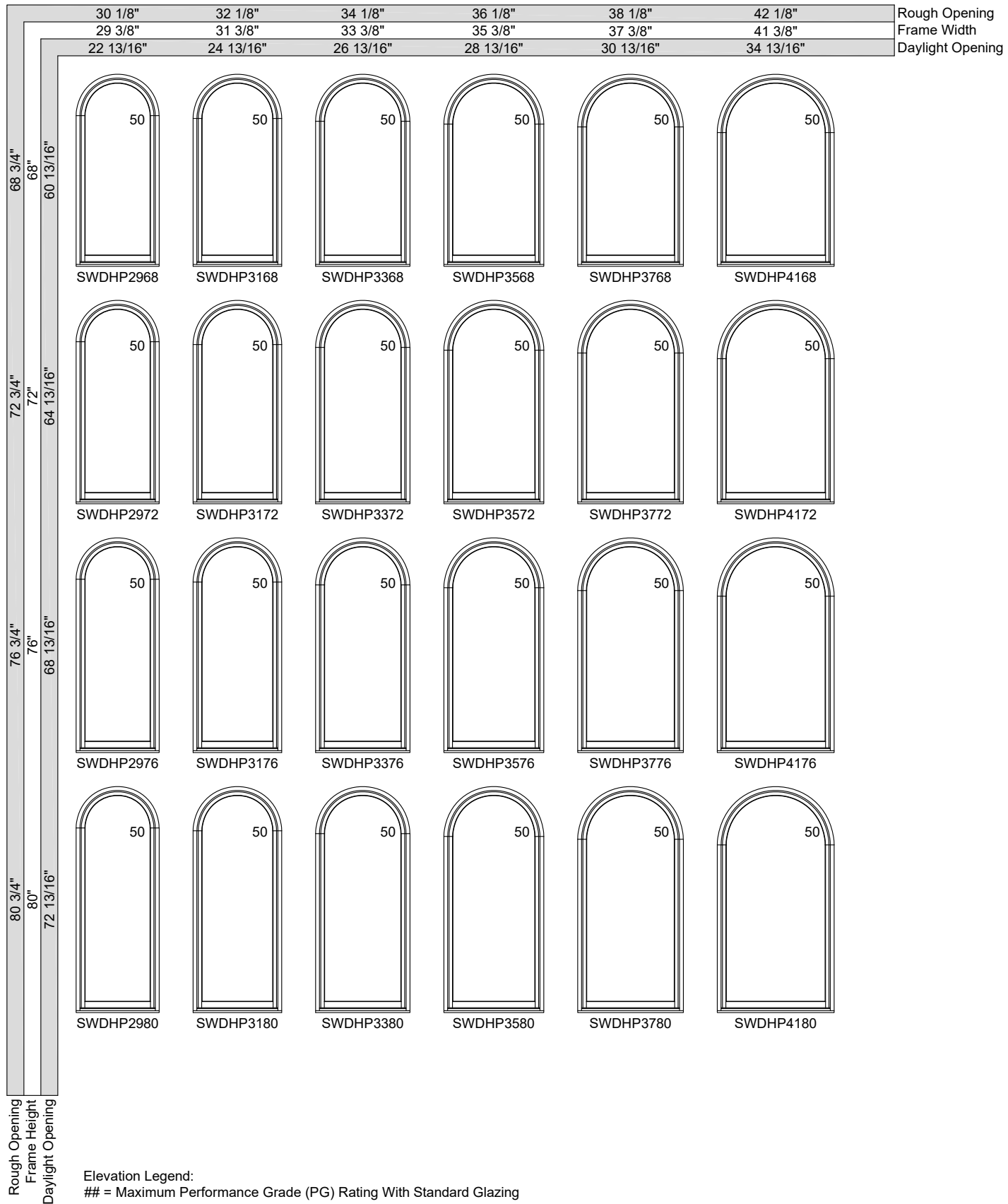
FIXED UNITS - EXTENDED QUARTER SEGMENT



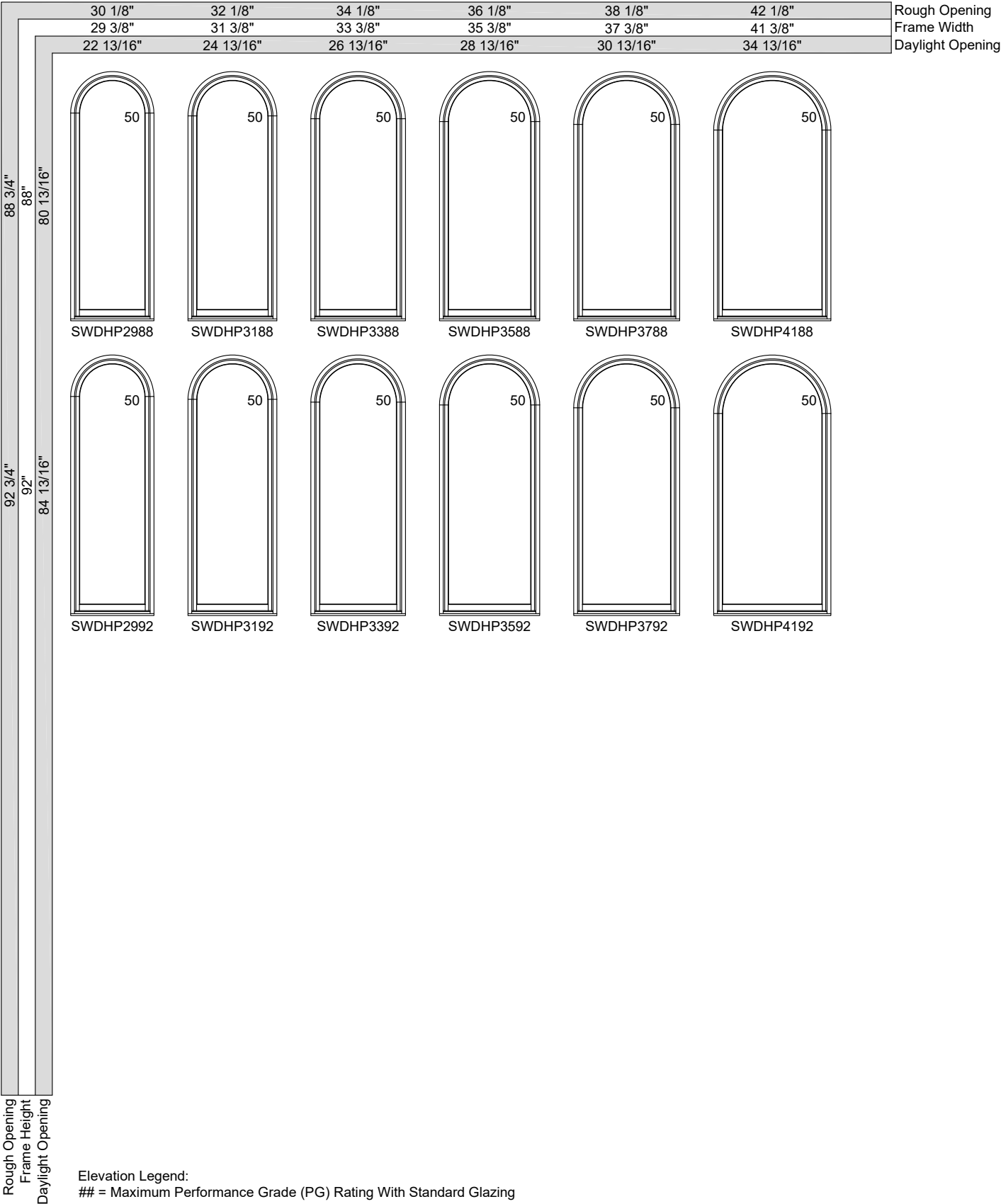
FIXED UNITS - EXTENDED HALF ROUND



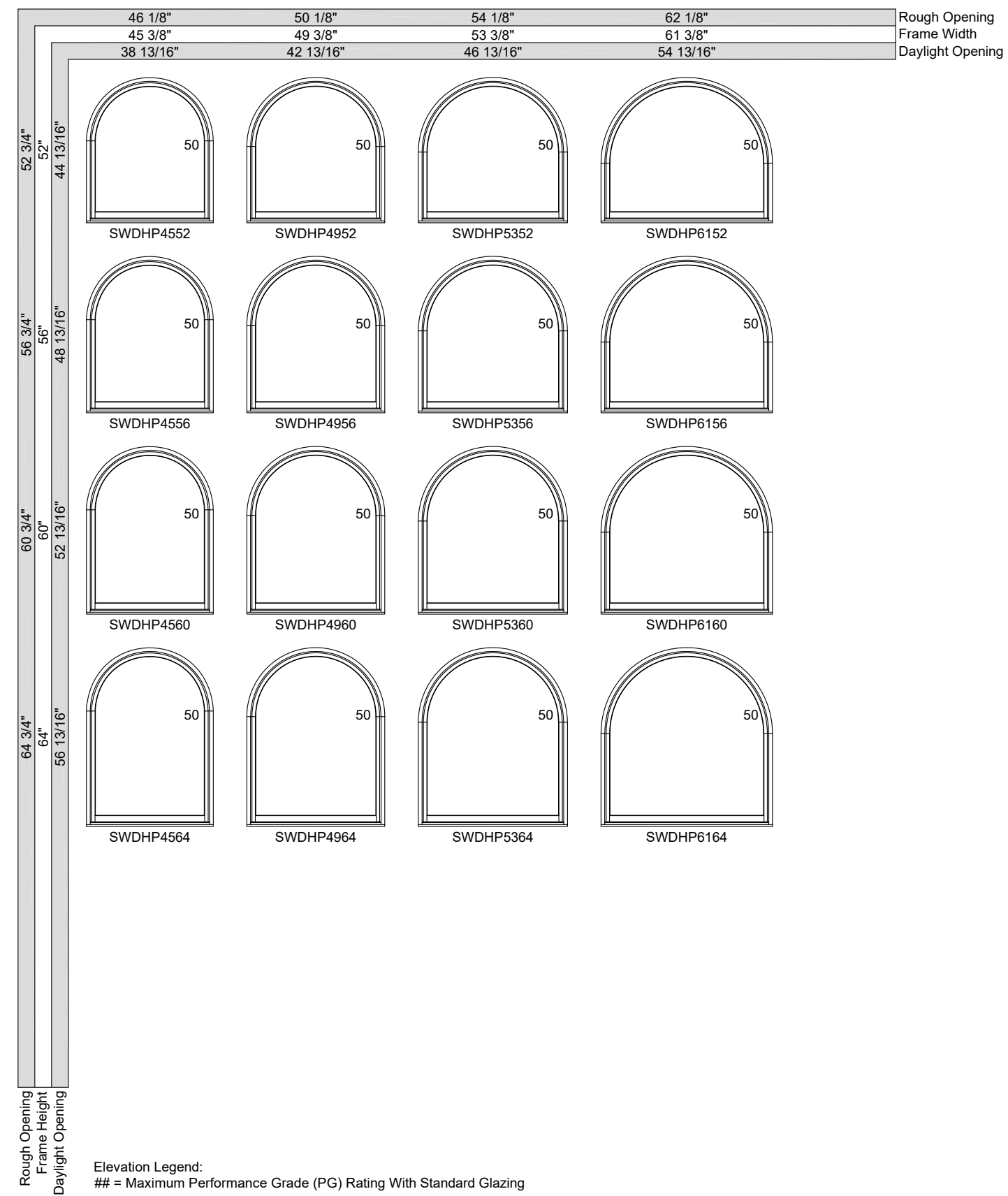
FIXED UNITS - EXTENDED HALF ROUND



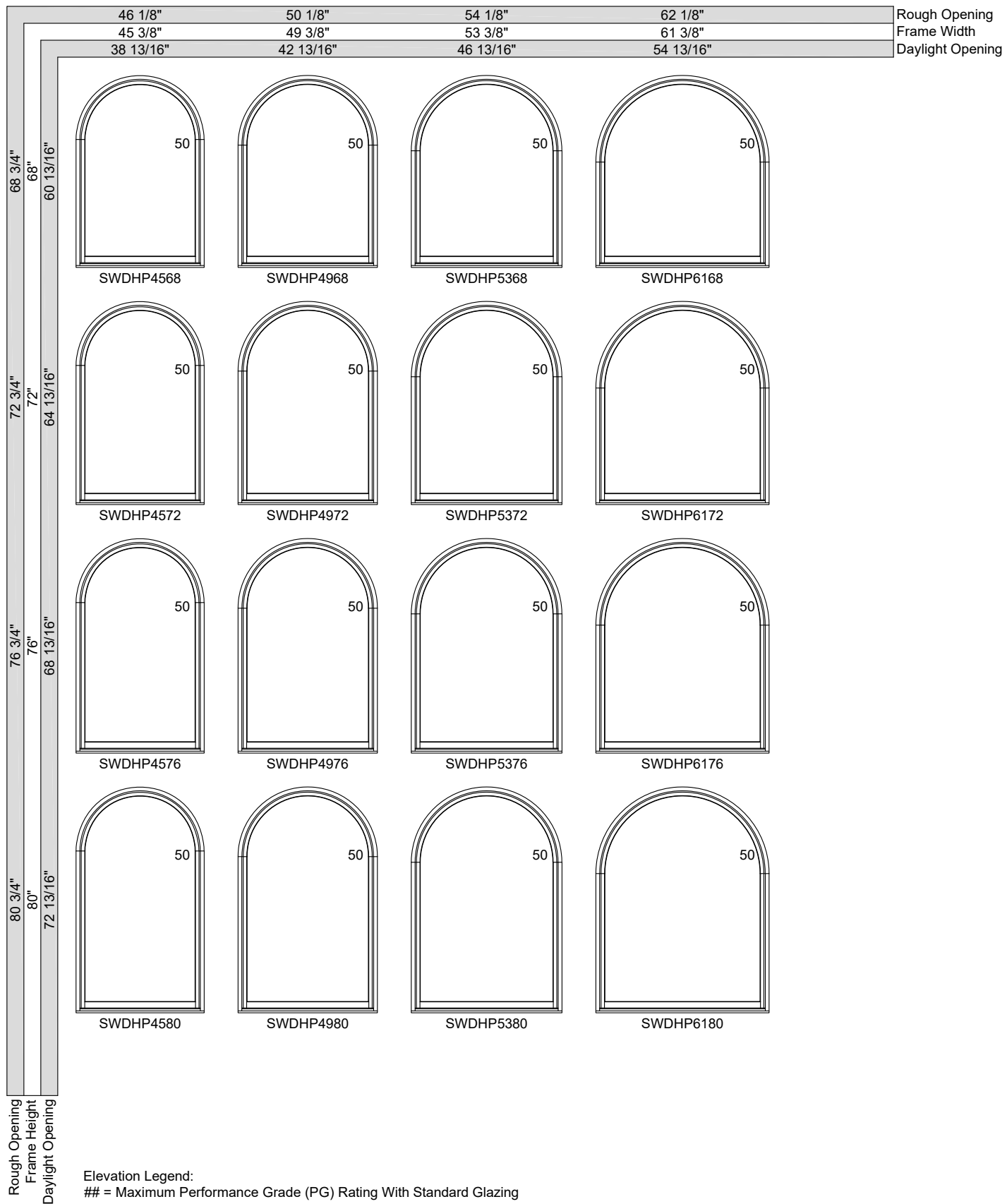
FIXED UNITS - EXTENDED HALF ROUND



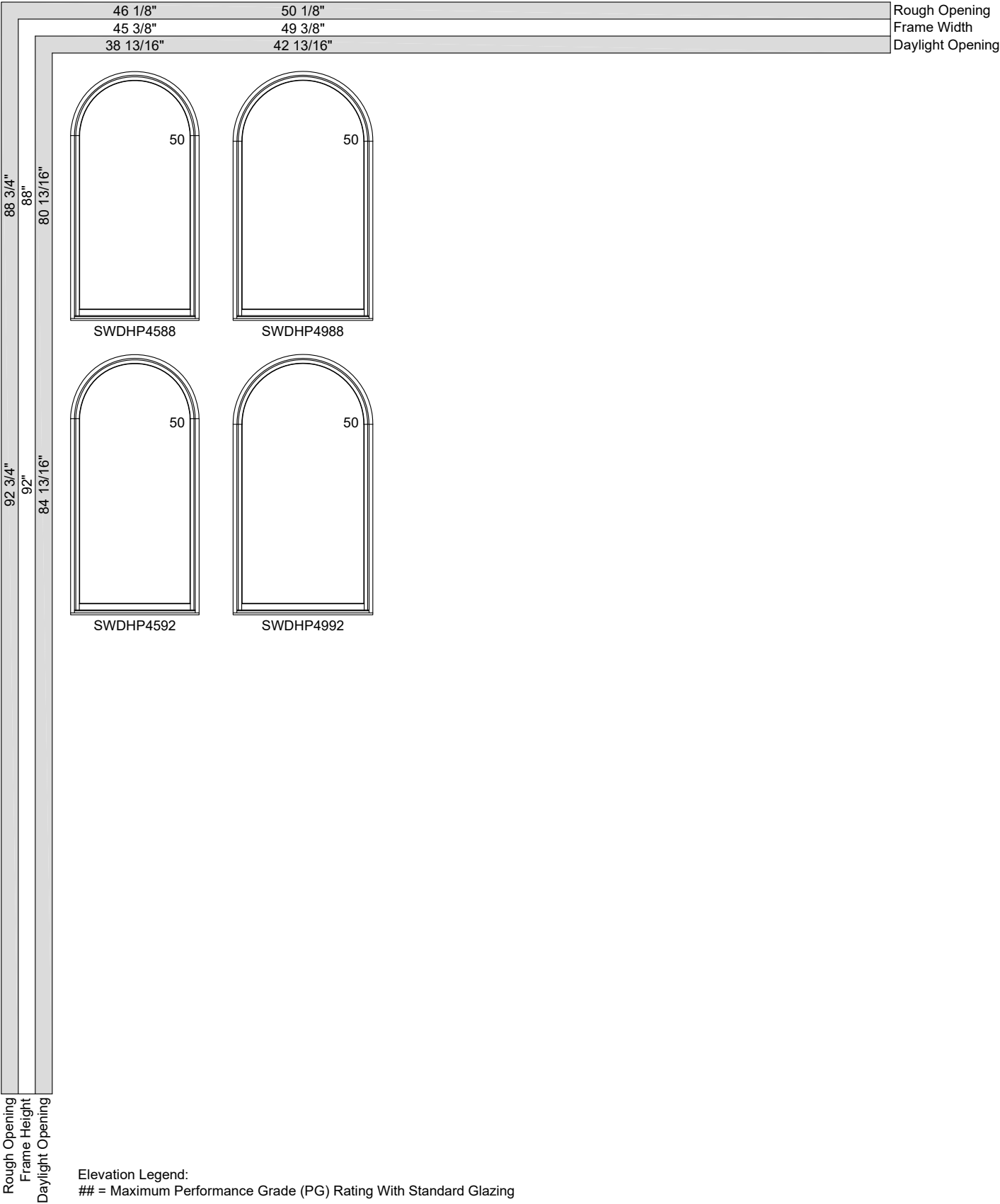
FIXED UNITS - EXTENDED HALF ROUND



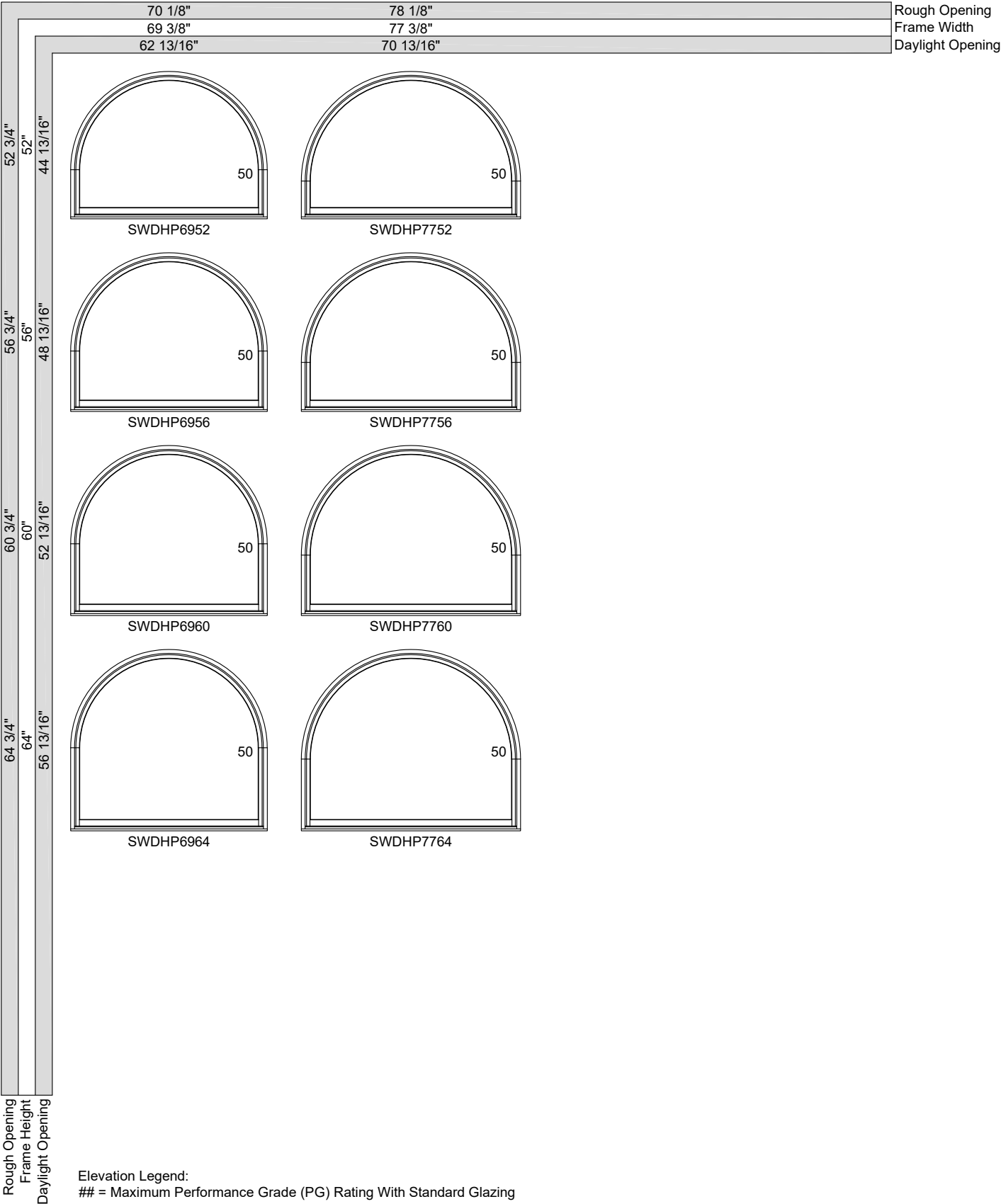
FIXED UNITS - EXTENDED HALF ROUND



FIXED UNITS - EXTENDED HALF ROUND



FIXED UNITS - EXTENDED HALF ROUND



FIXED UNITS - EXTENDED HALF ROUND

