



PLANNING & DEVELOPMENT DEPARTMENT  
2 WOODWARD AVE SUITE 808, DETROIT, MI 48226

# HISTORIC DISTRICT COMMISSION

## CERTIFICATE OF APPROPRIATENESS

**Application Number:** HDC2025-00134

**Effective Date:** 06/17/25

**Project Address:** 1659 Longfellow

**Issued to:** ABI Investements, LLC  
6120 Trumbull St.  
Detroit, MI 48208

**Historic District:** Boston-Edison

**Description of Work:**

- Replace front vinyl windows with aluminum clad windows per submitted application

**With the Conditions that:**

- Individual window units instead of multi-window units to retain the historic wood brickmold and mullions, with HDC staff to review the new window order.
- The proposed aluminum clad windows and surround shall be painted an exterior color according to the HDC color chart system E for this house.

Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205 (10) and Sections 21-2-57 and 21-2-73 of the 2019 Detroit City Code, and Detroit Historic District Commission ("DHDC") delegation of administrative authority via Resolutions 97-01, 97-02, 98-01, 20-03, 21-04, and/or 21-07, as applicable, the staff of the DHDC has reviewed the above referenced application and hereby issues a Certificate of Appropriateness ("COA") for the description of work, effective date above, as it meets the Secretary of the Interior's Standards for Rehabilitation and the district's Elements of Design

**For the Commission:**

Garrick Landsberg  
Director of Staff, Historic District Commission

PSR: Lise

250618LS

Post this COA at the subject property until work is complete. It is important to note that approval by the DHDC does not waive the applicant's responsibility to comply with any other applicable ordinances or statutes.





# HISTORIC DISTRICT COMMISSION APPLICATION FOR WORK APPROVAL

City of Detroit - Planning & Development Department  
2 Woodward Avenue, Suite 808  
Detroit, Michigan 48226

## APPLICATION ID

HDC2025-00134

## PROPERTY INFORMATION

**ADDRESS(ES):** 1659 Longfellow

**HISTORIC DISTRICT:** Boston-Edison

## SCOPE OF WORK: (Check ALL that apply)

- |   |   |  |   |   |                                |
|---|---|--|---|---|--------------------------------|
| <input checked="" type="checkbox"/> Windows/<br>Doors | <input type="checkbox"/> Walls/<br>Siding | <input type="checkbox"/> Painting        | <input type="checkbox"/> Roof/Gutters/<br>Chimney | <input type="checkbox"/> Porch/Deck/Balcony   | <input type="checkbox"/> Other |
| <input type="checkbox"/> Demolition                   | <input type="checkbox"/> Signage          | <input type="checkbox"/> New<br>Building | <input type="checkbox"/> Addition                 | <input type="checkbox"/> Site Improvements<br>(landscape, trees, fences,<br>patios, etc.) |                                |

## BRIEF PROJECT DESCRIPTION:

Replacement of front elevation windows

## APPLICANT IDENTIFICATION

**TYPE OF APPLICANT:** Property Owner/Homeowner

**NAME:** William Z. Kolobaric

**COMPANY NAME:** ABI Investments, LLC

**ADDRESS:** 6120 Trumbull St.

**CITY:** Detroit

**STATE:** MI

**ZIP:** 48208

**PHONE:** +1 (313) 583-4200

**EMAIL:** william@shsgrp.com

## I AGREE TO AND AFFIRM THE FOLLOWING:

- ☒ I understand that the failure to upload all required documentation may result in extended review times for my project and/or a denied application.
- ☒ I understand that the review of this application by the Historic District Commission does not waive my responsibility to comply with any other applicable ordinances including obtaining appropriate permits (building, sign, etc.) or other department approvals prior to beginning the work.
- ☒ I hereby certify that I am the legal owner and occupant of the subject property and that the information on this application is true and correct.

Signed by:

ABI Investments, LLC

N/A

*William Z. Kolobaric*

04/24/2025

SIGNATURE

DATE

6120 Trumbull St.

Detroit

MI

48208

+1 (313) 583-4200

william@shsgrp.com

Questions? Contact us at [hdc@detroitmi.gov](mailto:hdc@detroitmi.gov) or (313)224-1762



**NOTE:** Based on the scope of work, additional documentation may be required. See [www.detroitmi.gov/hdc](http://www.detroitmi.gov/hdc) for scope-specific requirements.

PROJECT DETAILS – TELL US ABOUT YOUR PROJECT


Instructions: Add project details using the text box in each section. If your details exceed the space provided, attach the details via the attachment icon for that section.

ePLANS PERMIT NUMBER: (only applicable if you've already applied for permits through ePLANS)	n/a
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GENERAL

<b>1. DESCRIPTION OF EXISTING CONDITION</b> <i>Please tell us about the current appearance and conditions of the areas you want to change. You may use a few sentences or attach a separate prepared document on the right. (For example, "existing roof on my garage is covered in gray asphalt shingles in poor condition.")</i>	
Current front elevation windows were replaced and installed by a prior owner without HDC approval and did not conform with HDC requirements.	
<b>2. PHOTOGRAPHS</b> <i>Help us understand your project. Please attach photographs of all areas where work is proposed.</i>	
<b>3. DESCRIPTION OF PROJECT</b> <i>In this box, tell us about what you want to do at the areas described above in box #1. (For example, Install new asphalt shingle roofing at garage.)</i>	
Replace all front elevation windows.	
<b>4. DETAILED SCOPE OF WORK</b> <i>In this box, please describe all steps necessary to complete the work described in box #3. (For example, "remove existing shingles, replace wood deck as necessary, replace wood eaves, install roof vents, replace rotted fascia boards, paint, clean worksite.")</i>	
Exisiting front elevation windows will be removed and installed with proposed Jeld Wen Siteline Wood Double Hung windows.	
<b>5. BROCHURES/CUT SHEETS</b> <i>Please provide information on the products or materials you are proposing to install. For example, a brochure on the brand and color of the shingles proposed.</i>	

ADDITIONAL DETAILS

<div><div>6. WINDOWS/DOORS</div><div>Detailed photographs of window(s) and/or door(s) proposed for replacement showing the condition of the interior and exterior of the window(s) and/or door(s)</div></div>	<div></div>





Al Tankel  
3630 Washington St  
Gurnee, Il 60031

**QUOTE BY :** Al Tankel

**SOLD TO :** ABI REAL ESTATE GROUP

**PO# :**

**Ship Via :** Ground

**U-Factor Weighted Average:** 0.29

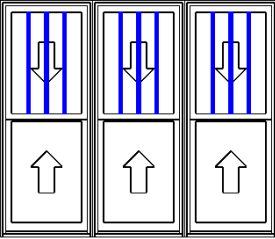
**QUOTE # :** JW250300AXJ - Version 0

**SHIP TO :**

**PROJECT NAME:** 1659 LONGFELLOW DETROIT MI - PRIMED BRICKMOULD

**REFERENCE :**

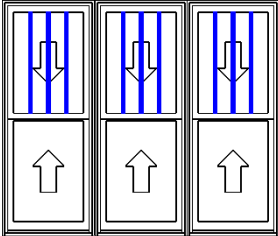
**SHGC Weighted Average:** 0.18

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
Line 1	Photo end with 342	Frame Size : 90 3/8 X 67 5/16			
	Rough Opening : 91 1/8 X 68 1/16	(Outside Casing Size: 93 X 69 1/2), Siteline Wood Mull Auralast Pine, Double Hung Product, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 3 Wide 1 High, Solid Spread Mull, 4 9/16 Jamb, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Mulled Window Assembly Has Not Been Tested To AAMA 450. Vertical Spread Mull 2 Vertical Spreads, Custom Mull Width 6 Inch, PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
					
Viewed from Exterior. Scale: 1/2" = 1'					
					1

Line 1-1(A1)	Frame Size : 26 1/8 X 67 5/16
Rough Opening : 26 7/8 X 68 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.3w, 30.1h, 4.6 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N- 885-05921-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
Line 1-2(A3)		Frame Size : 26 1/8 X 67 5/16			
Rough Opening : 26 7/8 X 68 1/16		Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.3w, 30.1h, 4.6 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N- 885-05921-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
Line 1-3(A2)		Frame Size : 26 1/8 X 67 5/16			
Rough Opening : 26 7/8 X 68 1/16		Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.3w, 30.1h, 4.6 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N- 885-05921-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			



LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
Line 2	Photo end with 345	Frame Size : 90 3/4 X 67 5/16			
	Rough Opening : 91 1/2 X 68 1/16	(Outside Casing Size: 93 3/8 X 69 1/2), Siteline Wood Mull Auralast Pine, Double Hung Product, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 3 Wide 1 High, Solid Spread Mull, 4 9/16 Jamb, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Mulled Window Assembly Has Not Been Tested To AAMA 450. Vertical Spread Mull 2 Vertical Spreads, Custom Mull Width 6 Inch, PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
					
	Viewed from Exterior. Scale: 1/2" = 1'				
				1	

Line 2-1(A1)		Frame Size : 26 1/4 X 67 5/16			
	Rough Opening : 27 X 68 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.5w, 30.1h, 4.7 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N- 885-05921-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			

Line 2-2(A3)		Frame Size : 26 1/4 X 67 5/16			
	Rough Opening : 27 X 68 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.5w, 30.1h, 4.7 sf,*Does not meet typical state code egress			

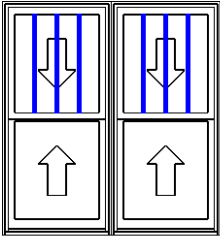


LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
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requirements but local codes may vary\*, .  
U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N-885-05921-00001  
PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW

Line 2-3(A2)	Rough Opening : 27 X 68 1/16	Frame Size : 26 1/4 X 67 5/16 Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Chestnut Bronze Clad Sash, Primed Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, White Jambliner, Concealed Jambliner White Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Chestnut Bronze SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:22.5w, 30.1h, 4.7 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.41, Energy Rating: 13.00, CPD: JEL-N-885-05921-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
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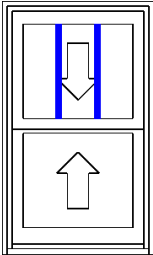
Line 3	Photo end with 348 Rough Opening : 63 5/8 X 61 1/16	Frame Size : 62 7/8 X 60 5/16 (Outside Casing Size: 65 1/2 X 62 1/2), Siteline Wood Mull Auralast Pine, Double Hung Product, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 2 Wide 1 High, Solid Spread Mull, 4 9/16 Jamb, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Mulled Window Assembly Has Not Been Tested To AAMA 450. Vertical Spread Mull 1 Vertical Spread, Custom Mull Width 7 Inch, PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
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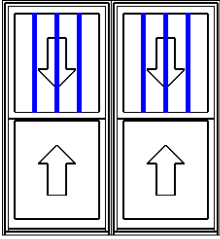


Viewed from Exterior. Scale: 1/2" =1'

1

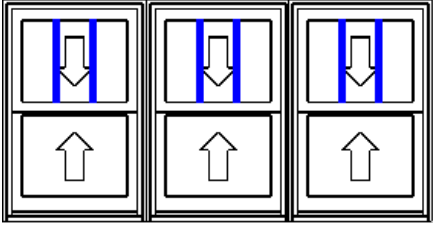
Line 3-1(A2)	Rough Opening : 28 11/16 X 61 1/16	Frame Size : 27 15/16 X 60 5/16 Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd,			
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LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
		Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:24.1w, 26.6h, 4.4 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N- 885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
Line 3-2(A1)		Frame Size : 27 15/16 X 60 5/16 Sitrine Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:24.1w, 26.6h, 4.4 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N- 885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
	Rough Opening : 28 11/16 X 61 1/16				
Line 4	4th Set - No photo	Frame Size : 22 7/8 X 38 5/16 (Outside Casing Size: 25 1/2 X 40 1/2), Sitrine Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 3 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:19.1w, 15.6h, 2 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N- 885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
	Rough Opening : 23 5/8 X 39 1/16				
					
	Viewed from Exterior. Scale: 1/2" =1'				

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
Line 5	Photo end with 352	Frame Size : 62 7/8 X 60 5/16			
	Rough Opening : 63 5/8 X 61 1/16	(Outside Casing Size: 65 1/2 X 62 1/2), Siteline Wood Mull Auralast Pine, Double Hung Product, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 2 Wide 1 High, Solid Spread Mull, 4 9/16 Jamb, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Mulled Window Assembly Has Not Been Tested To AAMA 450. Vertical Spread Mull 1 Vertical Spread, Custom Mull Width 7 Inch, PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
					
	Viewed from Exterior. Scale: 1/2" = 1'				
				1	

Line 5-1(A2)		Frame Size : 27 15/16 X 60 5/16			
	Rough Opening : 28 11/16 X 61 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:24.1w, 26.6h, 4.4 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N- 885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			


Line 5-2(A1)		Frame Size : 27 15/16 X 60 5/16			
	Rough Opening : 28 11/16 X 61 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 4 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:24.1w, 26.6h, 4.4 sf,*Does not meet typical state code egress			

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
		requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N-885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
Line 6	Photo end with 354 Rough Opening : 85 1/16 X 37 1/16	Frame Size : 84 5/16 X 36 5/16 (Outside Casing Size: 86 15/16 X 38 1/2), Siteline Wood Mull Auralast Pine, Double Hung Product, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap, 3 Wide 1 High, Solid Spread Mull, 4 9/16 Jamb, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Mulled Window Assembly Has Not Been Tested To AAMA 450. Vertical Spread Mull 2 Vertical Spreads, Custom Mull Width 7 Inch, PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
					
	Viewed from Exterior. Scale: 1/2" =1'				
Line 6-1(A1)	Rough Opening : 24 3/16 X 37 1/16	Frame Size : 23 7/16 X 36 5/16 Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 3 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:19.6w, 14.6h, 1.9 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N-885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			
Line 6-2(A3)	Rough Opening : 24 3/16 X 37 1/16	Frame Size : 23 7/16 X 36 5/16 Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd,			
cust-99705		Page 7 of 8 (Prices are subject to change.)	JW250300AXJ (Ver:0) -	03/17/2025	1.14 PM
Quote Date: 03/13/2025		Drawings are for visual reference only and may not be to exact scale. All orders are subject to review by JELD-WEN		Last Modified: 03/17/2025	

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
		Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 3 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:19.6w, 14.6h, 1.9 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N-885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW			

Line 6-3(A2)	Frame Size : 23 7/16 X 36 5/16
Rough Opening : 24 3/16 X 37 1/16	Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, No Exterior Trim, 4 9/16 Jamb, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, ,Recessed Sash Lock, PG 35, Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, Primed Wood SDL, 7/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Colonial Top Lite(s) Only 3 Wide 1 High Top, BetterVue Mesh Brilliant White Screen, *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:19.6w, 14.6h, 1.9 sf,*Does not meet typical state code egress requirements but local codes may vary*, . U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CPD: JEL-N-885-04811-00001 PEV 2025.1.0.5075/PDV 7.803 (02/27/25)CW

Total Units: 6

 Protect yourself when you choose JELD-WEN AuraLast pine products backed by a limited lifetime warranty against wood rot and termite damage.





## SITELINE® WOOD DOUBLE-HUNG

Architectural Design Manual  
January 2025





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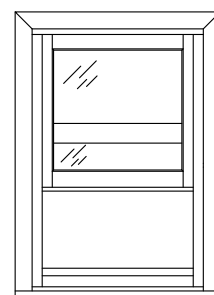
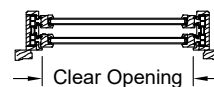
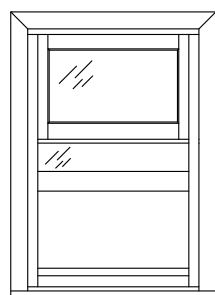
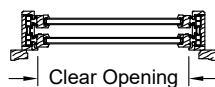
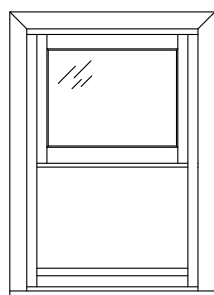
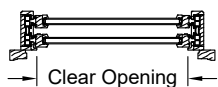
EXTENDED QUARTER SEGMENT FIXED UNITS ----- 68

EXTENDED HALF ROUND FIXED UNITS ----- 80



## CLEAR OPENING LAYOUTS

### Clear Opening Options



#### 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"

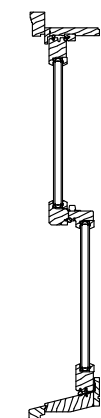
Height = (Frame Height / 2) - 8 5/32"

#### Reverse Cottage Double-Hung

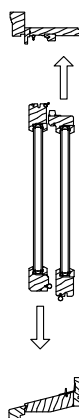
Width = Frame Width - 3 3/4"

Height = (Frame Height / 2) - 7 29/32"

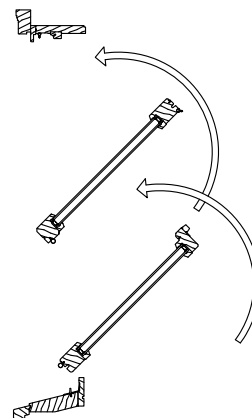
Siteline© Wood Double-Hung windows feature fully operating upper and lower sash which can be tilted or removed for easy cleaning.



Both Sash Closed



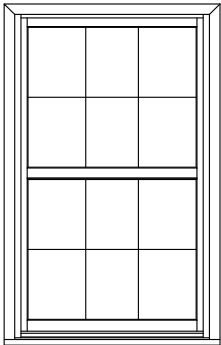
Upper & Lower Sash Operating



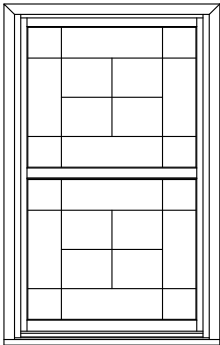
Sash Tilting

GRID, BOTTOM RAIL & GLASS STOP OPTIONS

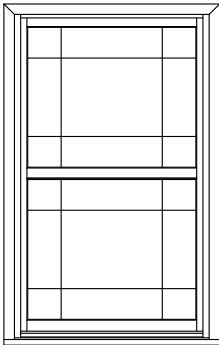
Grid Options



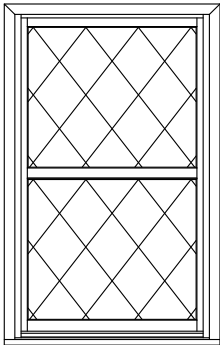
Colonial



Uneven

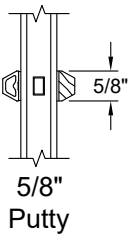


Prairie

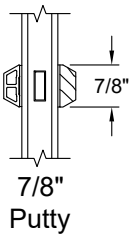


Diamond

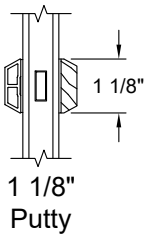
Exterior ← SDL Options → Interior



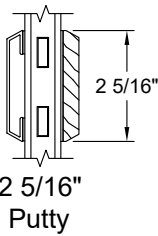
5/8" Putty



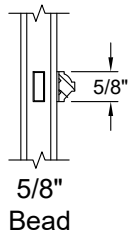
7/8" Putty



1 1/8" Putty

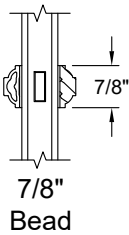


2 5/16" Putty

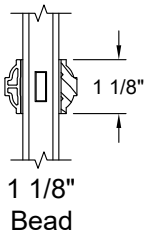


5/8" Bead

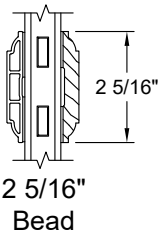
(Interior only)



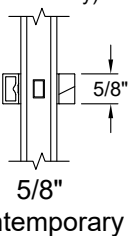
7/8" Bead



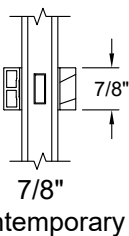
1 1/8" Bead



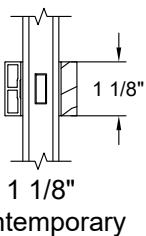
2 5/16" Bead



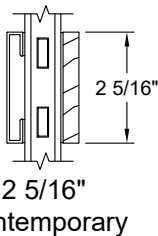
5/8" Contemporary



7/8" Contemporary



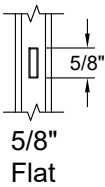
1 1/8" Contemporary



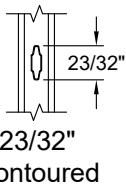
2 5/16" Contemporary

Note: Various Combinations of the SDL Bars Shown are Available

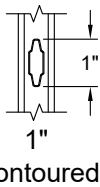
GBG Options



5/8" Flat

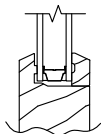


23/32" Contoured

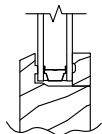


1" Contoured

Glass Stop Options



Traditional



Contemporary

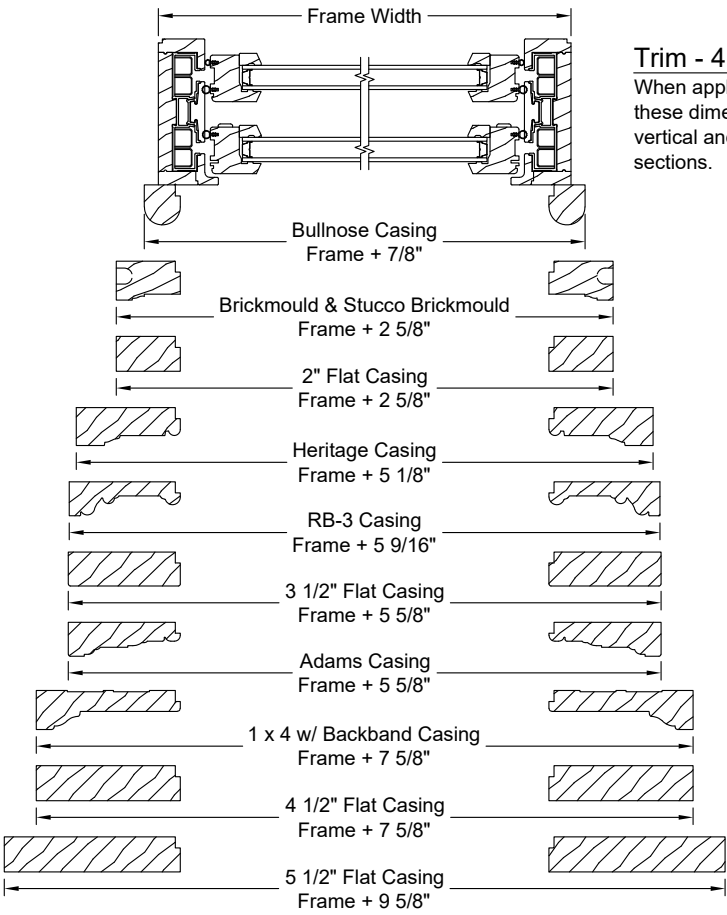
UNIT SIZING

Rough Opening

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

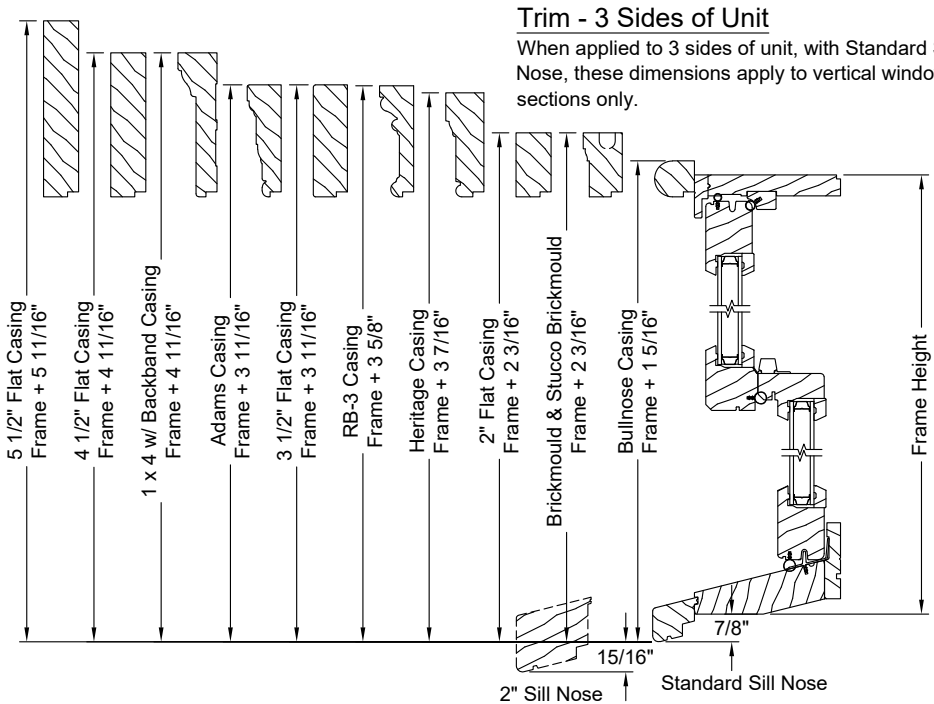
Masonry Opening

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



Trim - 4 Sides Of Unit

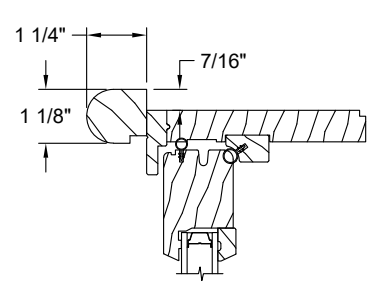
When applied to 4 sides of unit, these dimensions apply to both vertical and horizontal window sections.



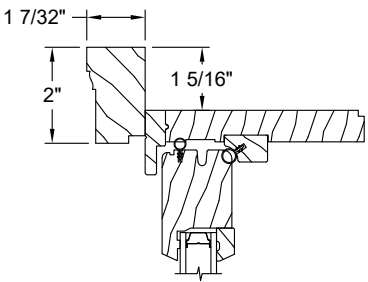
Trim - 3 Sides of Unit

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

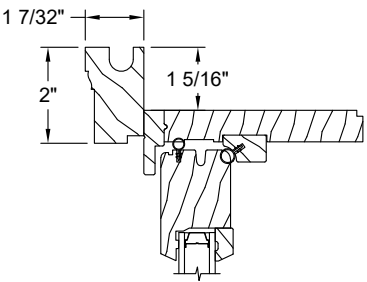
TRIM & SILL NOSE OPTIONS



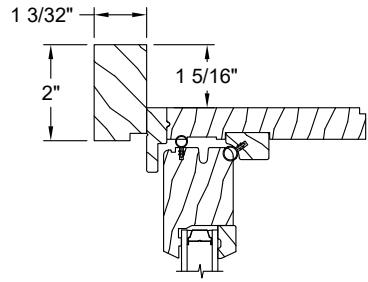
Bullnose Casing



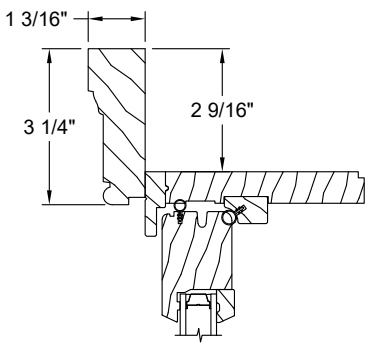
Brickmould



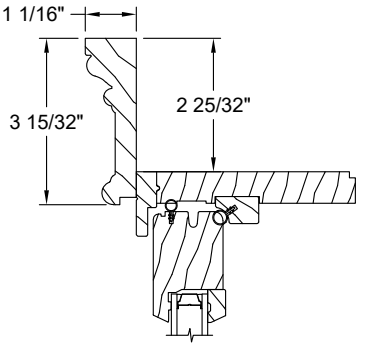
Stucco Brickmould



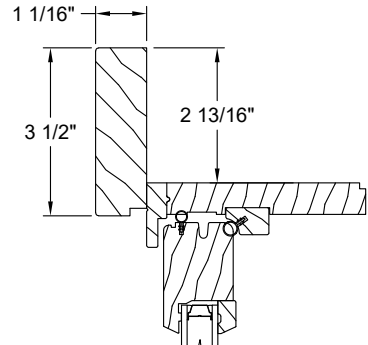
2" Flat Casing



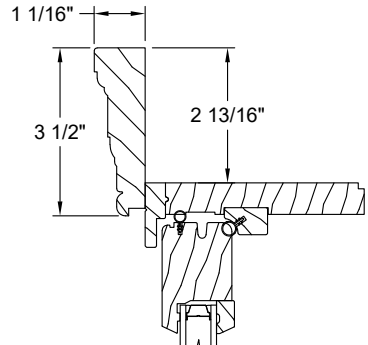
Heritage Casing



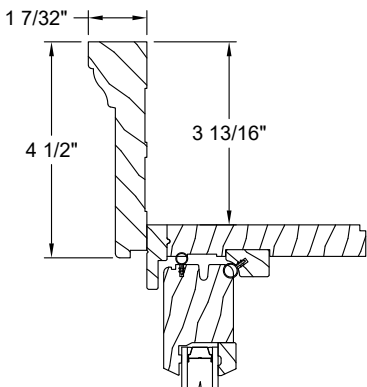
RB-3 Casing



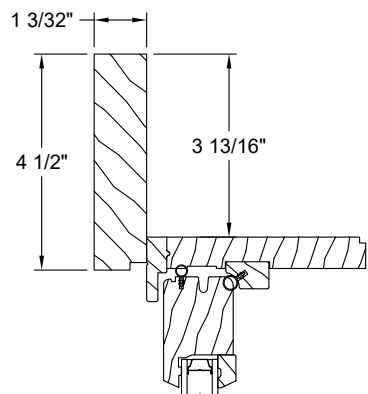
3 1/2" Flat Casing



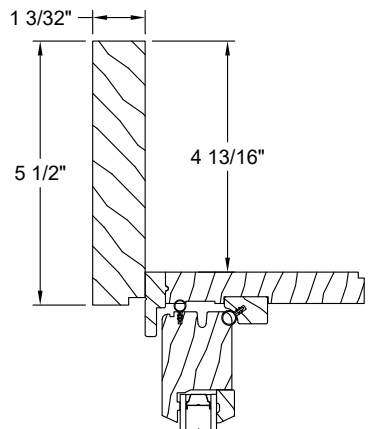
Adams Casing



1 x 4 w/ Backband Casing



4 1/2" Casing



5 1/2" Casing

**Sill Nose Options**

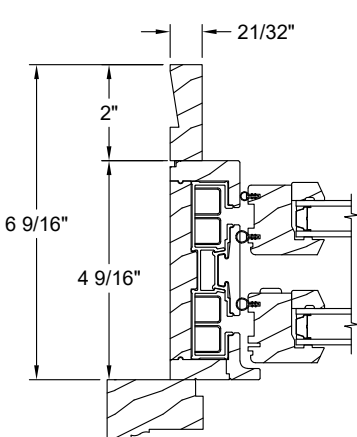
**Standard Sill Nose**

Dimensions: 1 5/16" width, 1 13/32" height, 7/8" depth.

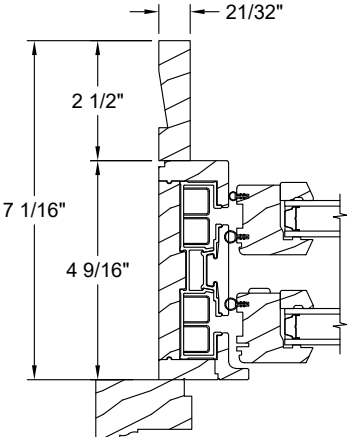
**2" Sill Nose**

Dimensions: 2 1/4" width, 2 11/32" height, 1 13/16" depth.

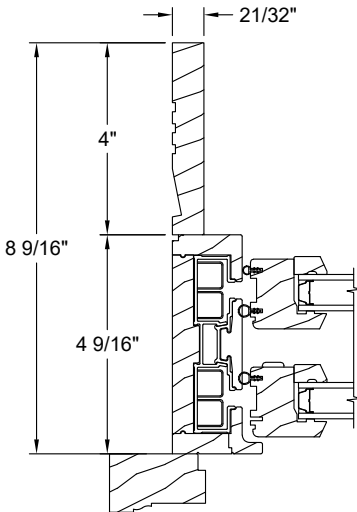
JAMB EXTENDER, RETURN KERF & PREP FOR STOOL OPTIONS



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

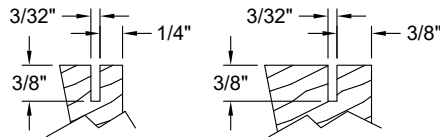


7 1/16" Jamb Width  
4/4 Jamb Thickness



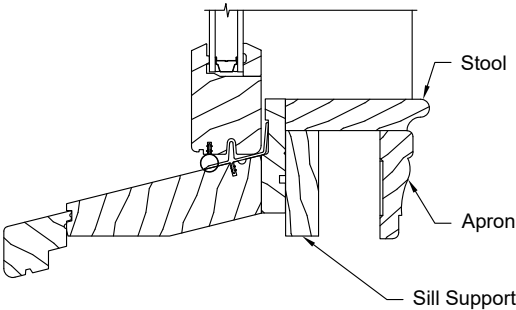
8 9/16" Jamb Width  
4/4 Jamb Thickness

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



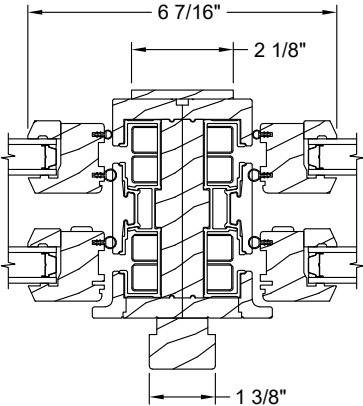
4/4 Jamb Typ.      5/4 Jamb Typ.

**Prep for Stool**

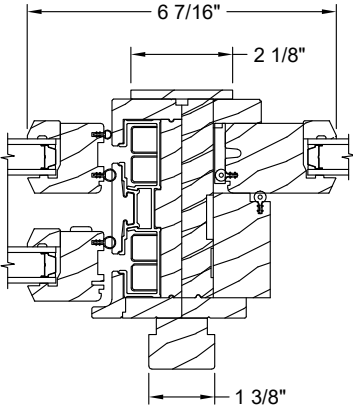


Stool, apron, and sill support are applied by trim carpenter after window is installed and are not provided by JELD-WEN. Unit is shipped without sill jamb extenders.

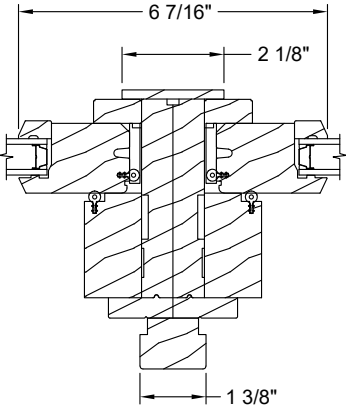
MULLION OPTIONS



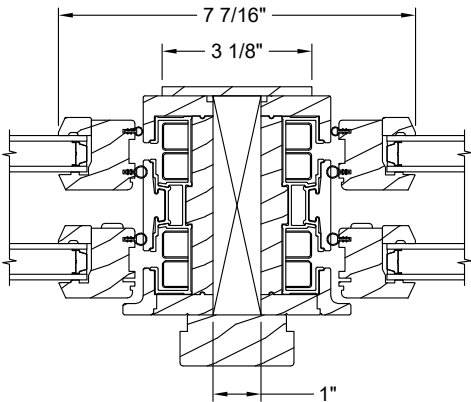
Operator | Operator



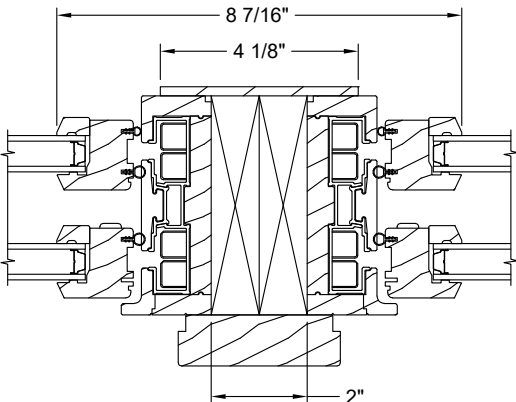
Operator | Stationary



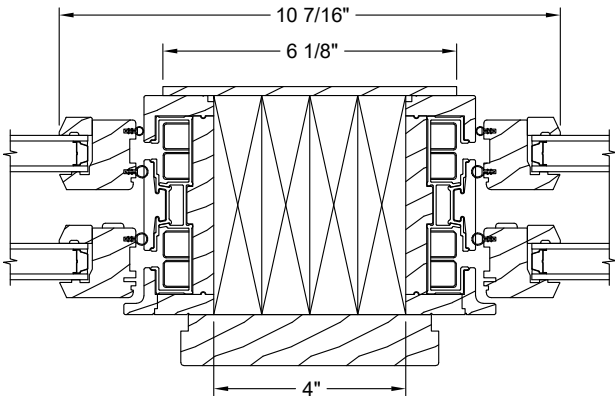
Stationary | Stationary



Operator | Operator  
with 1" Solid Spread Mull

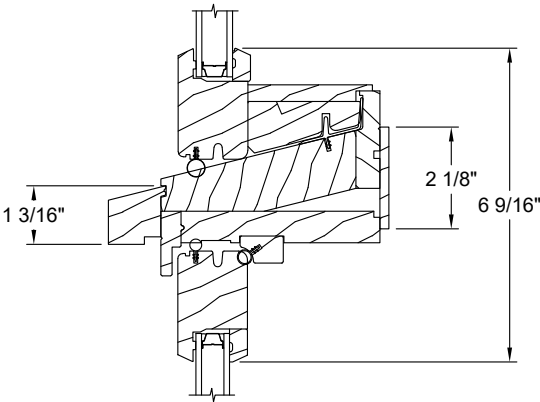


Operator | Operator  
with 2" Solid Spread Mull

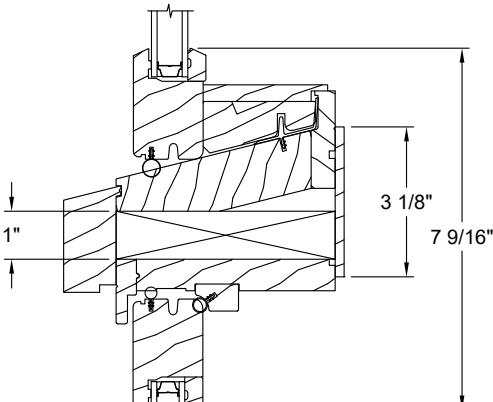


Operator | Operator  
with 4" Solid Spread Mull

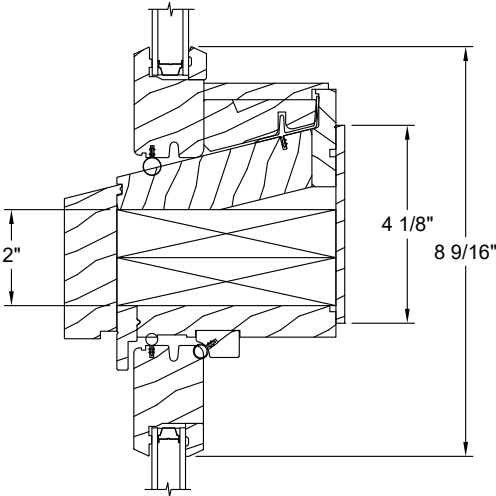
MULLION OPTIONS



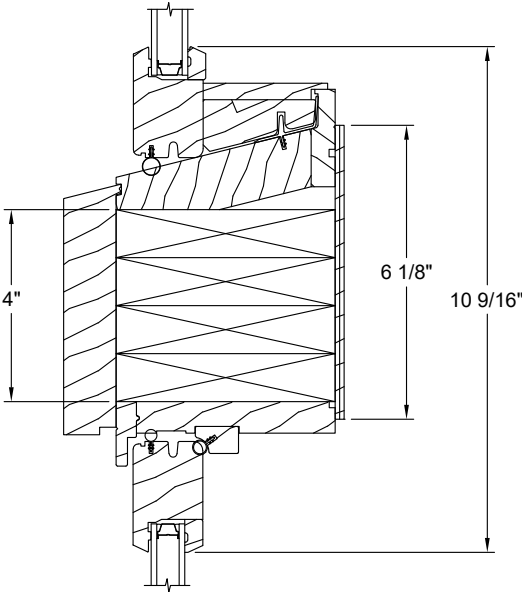
Transom  
Operator



Transom  
Operator  
With 1" Solid Spread Mull



Transom  
Operator  
With 2" Solid Spread Mull

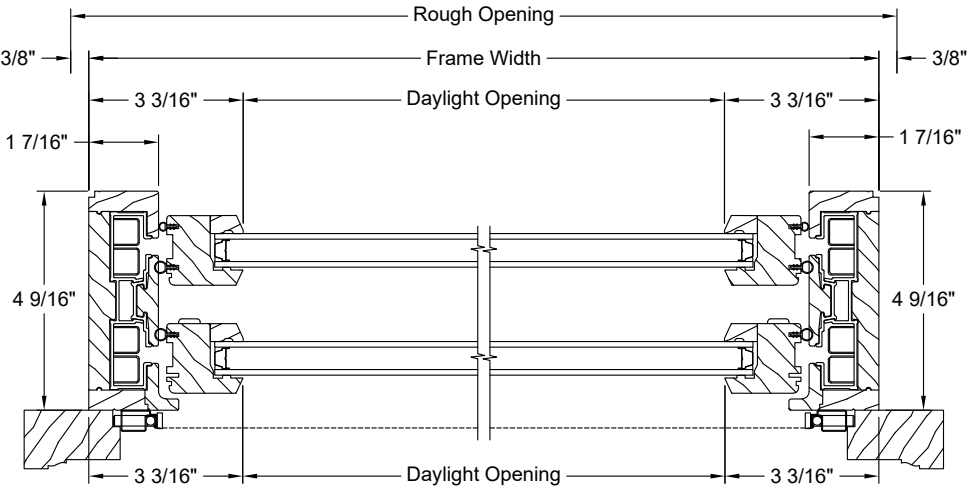
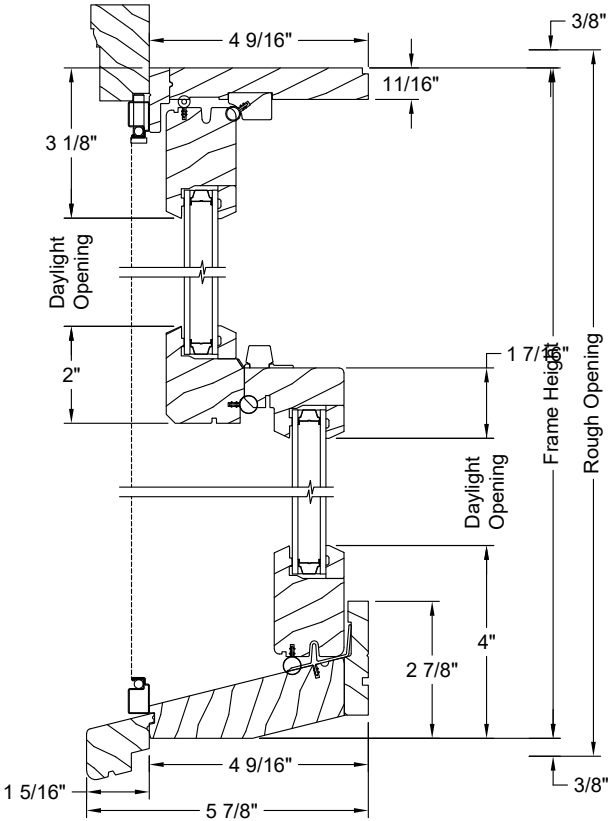
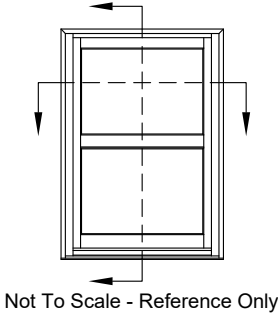


Transom  
Operator  
With 4" Solid Spread Mull





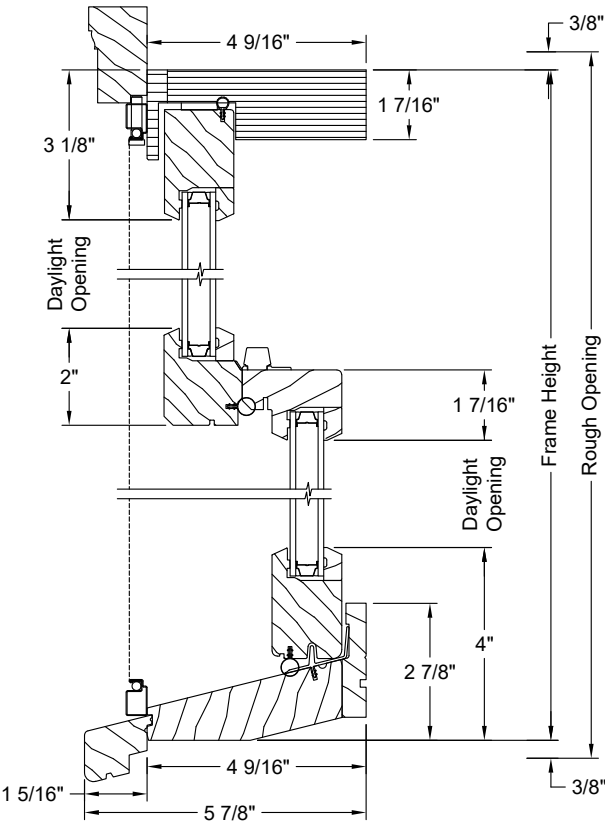
OPERATOR SECTIONS



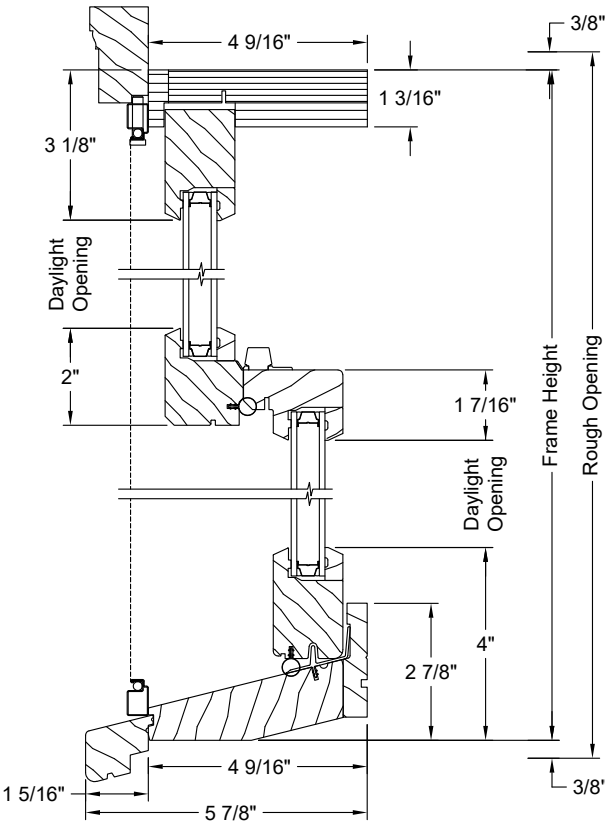


OPERATOR RADIUS TOP / SEGMENT HEAD SECTIONS

Operator Radius-Top

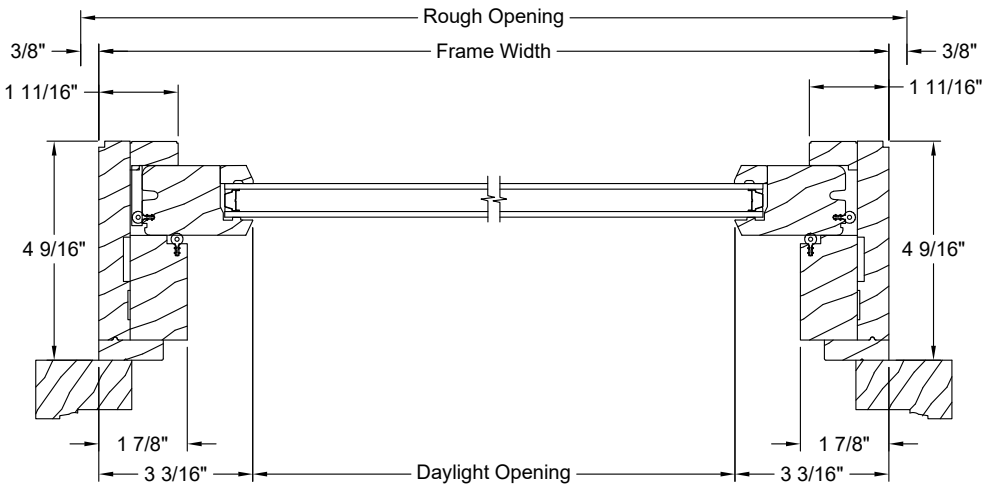
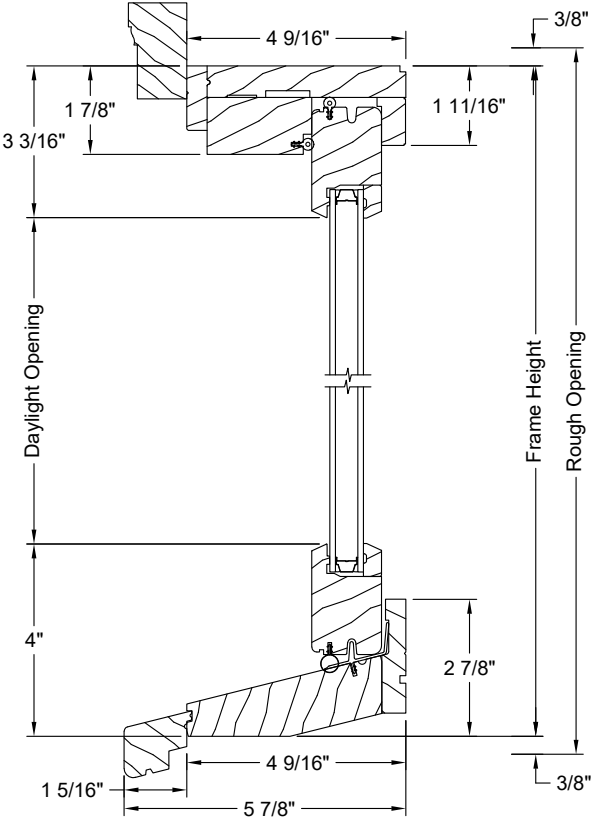
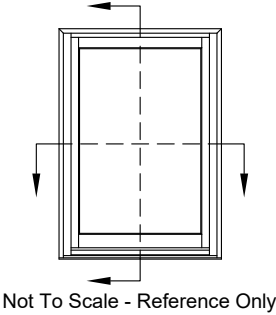


Operator Segment Head



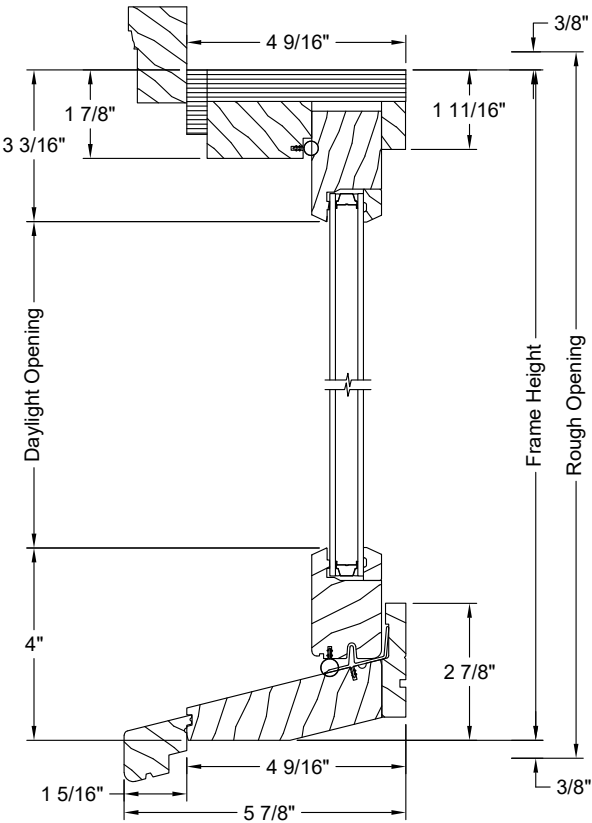
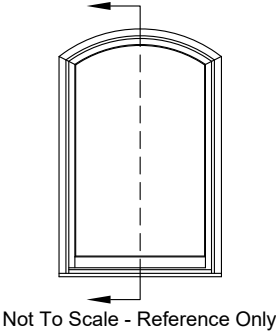


FIXED SECTIONS





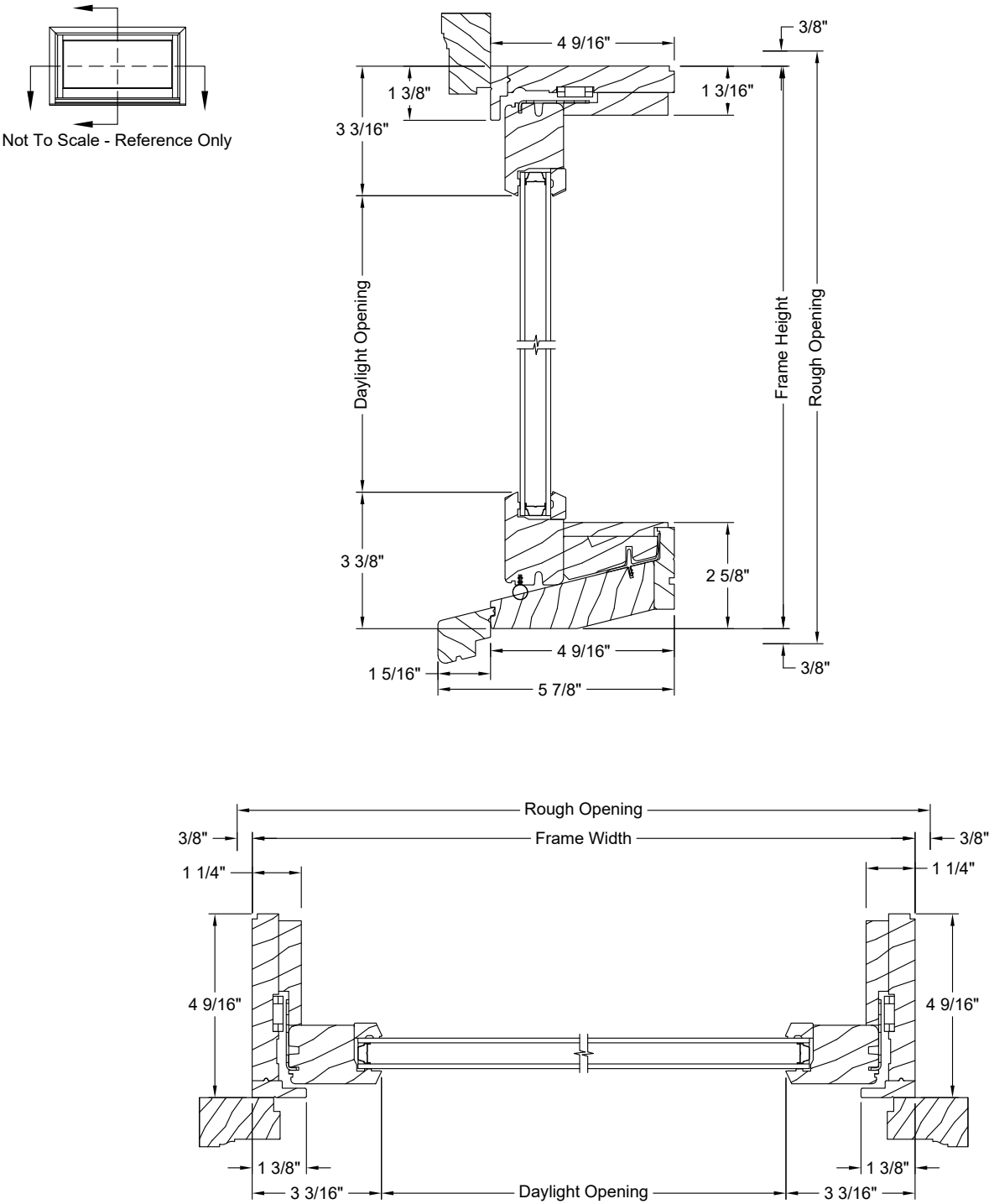
FIXED SECTIONS - RADIUS TOP / SEGMENT HEAD



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

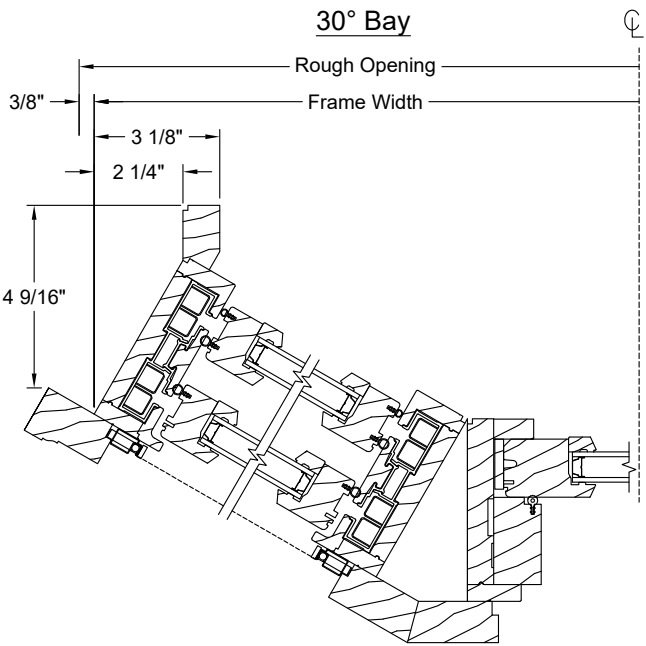
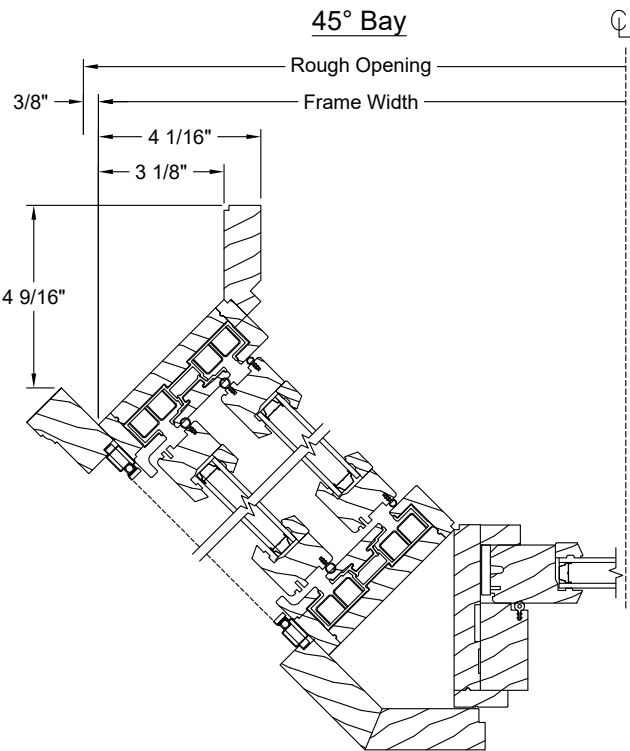
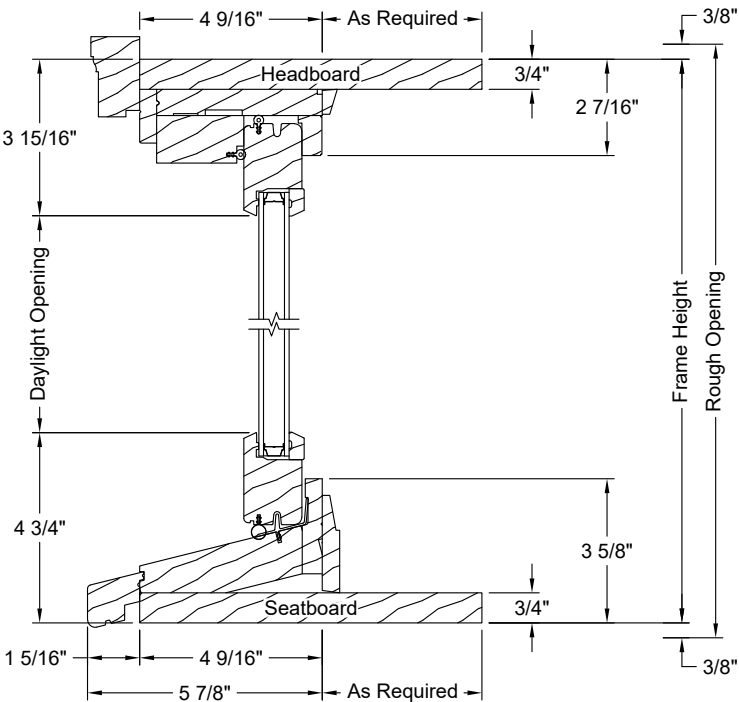


TRANSOM SECTIONS





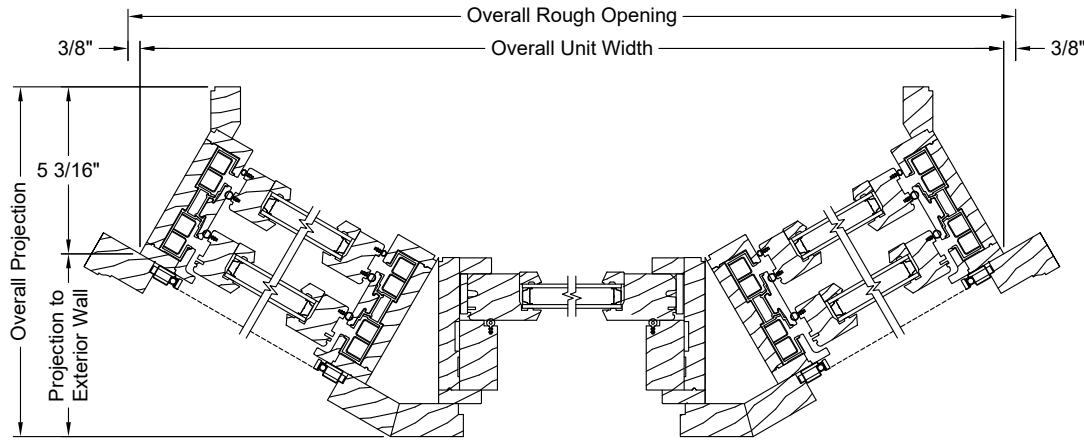
BAY SECTIONS



Horizontal views are symmetrical across centerline.



BAY STANDARD PROJECTIONS



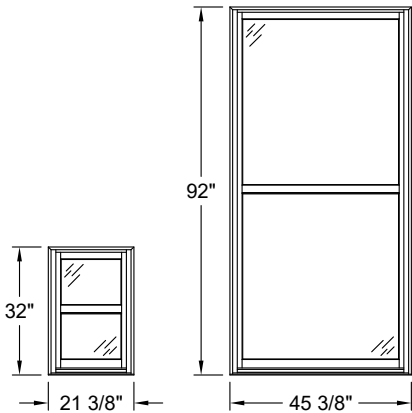
30° Bay				
Flanker Width	Overall Unit Width*	Overall Rough Opening*	Projection to Exterior Wall	Overall Projection
21 3/8"	85 5/8"	86 3/8"	11 5/16"	16 1/2"
25 3/8"	92 9/16"	93 5/16"	13 5/16"	18 1/2"
29 3/8"	99 1/2"	100 1/4"	15 5/16"	20 1/2"
31 3/8"	102 15/16"	103 11/16"	16 5/16"	21 1/2"
33 3/8"	106 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

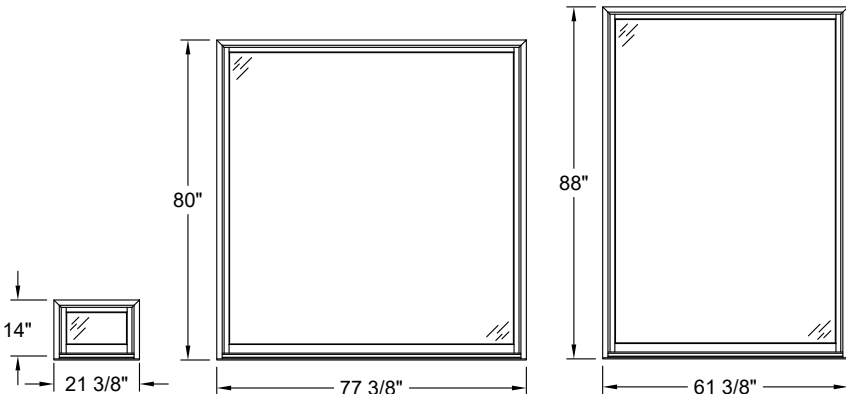


Minimum Size:  
21 3/8" x 32"

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



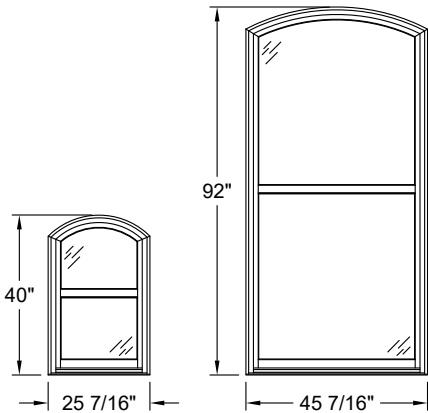
Minimum Size:  
21 3/8" x 14"

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

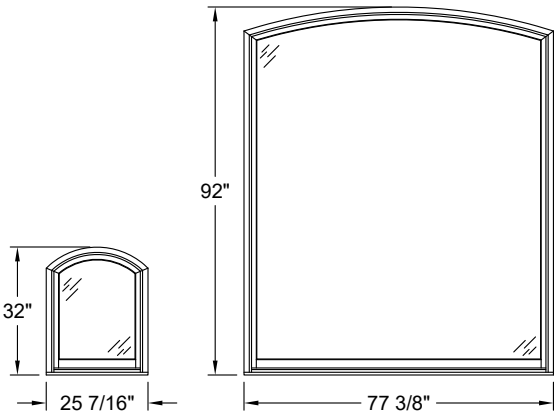


Minimum Size:  
25 3/8" x 40"

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



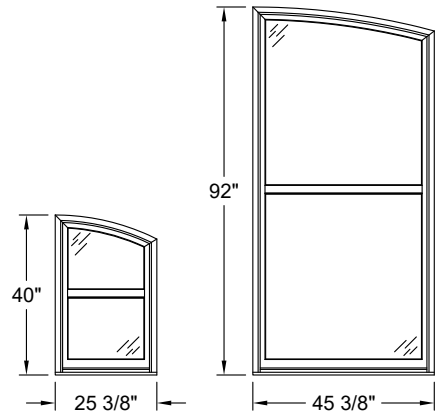
Minimum Size:  
25 3/8" x 32"

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

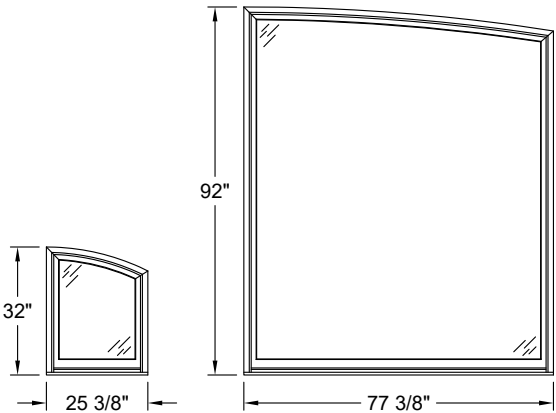


Minimum Size:  
25 3/8" x 40"

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

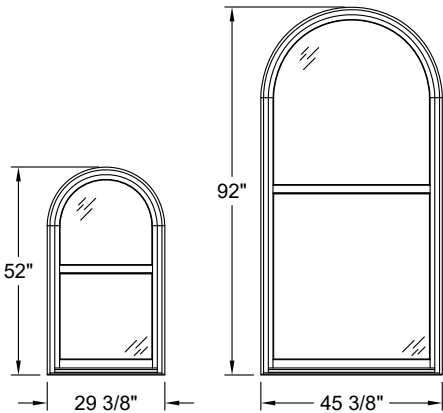


Minimum Size:  
25 3/8" x 32"

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

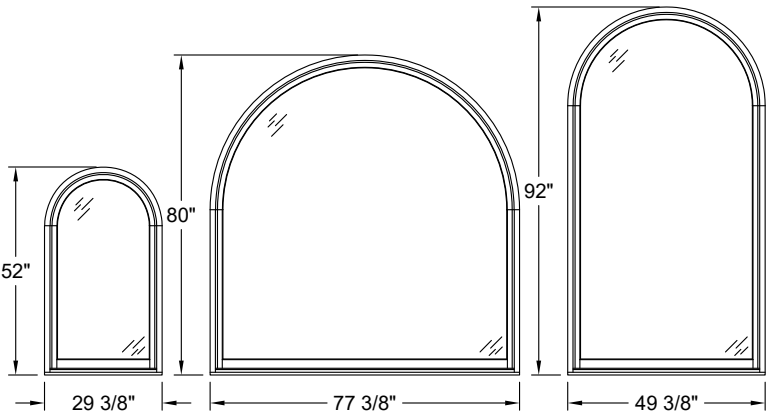


Minimum Size:  
29 3/8" x 52"

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© Wood Product	Prefix	Width Code	Height Code
Double-Hung	SWD	WW	HH
Double-Hung Fixed	SWDP		
Double-Hung Transom	SWDT		
Double-Hung Extended Circle Segment	SWDS		
Double-Hung Fixed Extended Circle Segment	SWDSP		
Double-Hung Extended Quarter Segment	SWDQTRS		
Double-Hung Fixed Extended Quarter Segment	SWDQP		
Double-Hung Extended Half Round	SWDH		
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 <sup>2</sup> (Standard)	$((\text{Frame Width} - 6 3/8") \times (\text{Frame Height} - 9 1/2")) / 144$
Daylight Opening ft <sup>2</sup> (Fixed)	$((\text{Frame Width} - 6 9/16") \times (\text{Frame Height} - 7 3/16")) / 144$
Clear Opening ft <sup>2</sup>	
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


		Width (Inches)								
Height (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	3.57
	36	1.76	2.15	2.55	2.75	2.95	3.15	3.35	3.75	4.15
	40	2.00	2.45	2.91	3.14	3.36	3.59	3.82	4.27	4.72
	44	2.25	2.75	3.26	3.52	3.77	4.03	4.28	4.79	5.30
	48	2.49	3.06	3.62	3.90	4.19	4.47	4.75	5.32	5.88
	52	2.73	3.36	3.98	4.29	4.60	4.91	5.22	5.84	6.46
	56	2.98	3.66	4.33	4.67	5.01	5.35	5.68	6.36	7.04
	60	3.22	3.96	4.69	5.05	5.42	5.79	6.15	6.88	7.62
	64	3.47	4.26	5.04	5.44	5.83	6.22	6.62	7.41	8.19
	68	3.71	4.56	5.40	5.82	6.24	6.66	7.09	7.93	8.77
	72	3.96	4.86	5.76	6.20	6.65	7.10	7.55	8.45	9.35
	76	4.20	5.16	6.11	6.59	7.07	7.54	8.02	8.97	9.93
	80	4.45	5.46	6.47	6.97	7.48	7.98	8.49	9.50	10.51
	88	4.94	6.06	7.18	7.74	8.30	8.86	9.42	10.54	11.66
	92	5.18	6.36	7.54	8.12	8.71	9.30	9.89	11.06	12.24


Standard Extended Circle &amp; Quarter Segment Units


		Width (Inches)						
Height (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

		Standard Extended Main Round Girth						
		Width (Inches)						
Height (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	1.48	-
	64	2.43	2.43	2.40	2.34	2.25	2.00	1.64
	68	2.79	2.81	2.81	2.78	2.72	2.52	2.21
	72	3.14	3.20	3.22	3.22	3.19	3.05	2.79
	76	3.50	3.58	3.63	3.66	3.66	3.57	3.37
	80	3.85	3.96	4.04	4.10	4.12	4.09	3.95
	88	4.57	4.73	4.87	4.98	5.06	5.14	5.10
	92	4.92	5.11	5.28	5.42	5.52	5.66	5.68

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

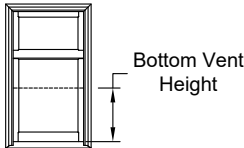
 Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.0ft².

 ## Indicates the clear opening square footage.

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

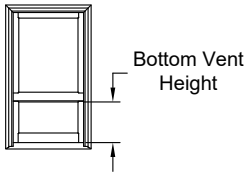


COTTAGE VENT LAYOUTS



Cottage Double-Hung

		Available Bottom Vent Height (Inches)												
		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
Height (Inches)	32													
	36													
	40													
	44													
	48													
	52													
	56													
	60													
	64													
	68													
	72													
	76													
	80													
	88													
	92													

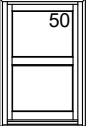



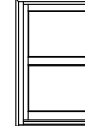
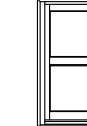
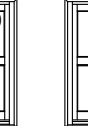
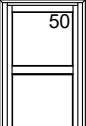


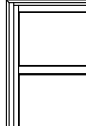
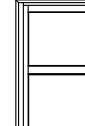
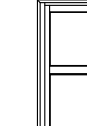
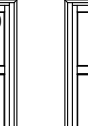
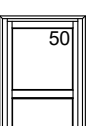
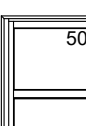
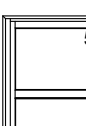



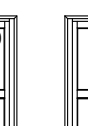
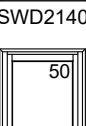
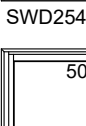







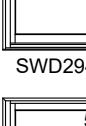




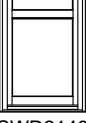





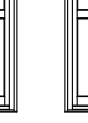


Reverse Cottage Double-Hung

		Available Bottom Vent 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	
Height (Inches)	32												
	36												
	40												
	44												
	48												
	52												
	56												
	60												
	64												
	68												
	72												
	76												
	80												
	88												
	92												

Elevations shown for reference only.

## STANDARD RECTANGLE UNITS

	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"								
22 1/2"								
36 3/4"								
36"								
26 1/2"								
40 3/4"								
40"								
30 1/2"								
44 3/4"								
44"								
34 1/2"								
48 3/4"								
48"								
38 1/2"								
52 3/4"								
52"								
42 1/2"								

Rough Opening

Frame Height

Daylight Opening

Elevation Legend:

## = Maximum Performance Grade (PG) Rating With Standard Glazing



STANDARD RECTANGLE UNITS

							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"	56 1/2"				
	60 3/4"	60"	60 1/2"				
	64 3/4"	64"	64 1/2"				
	68 3/4"	68"	68 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:

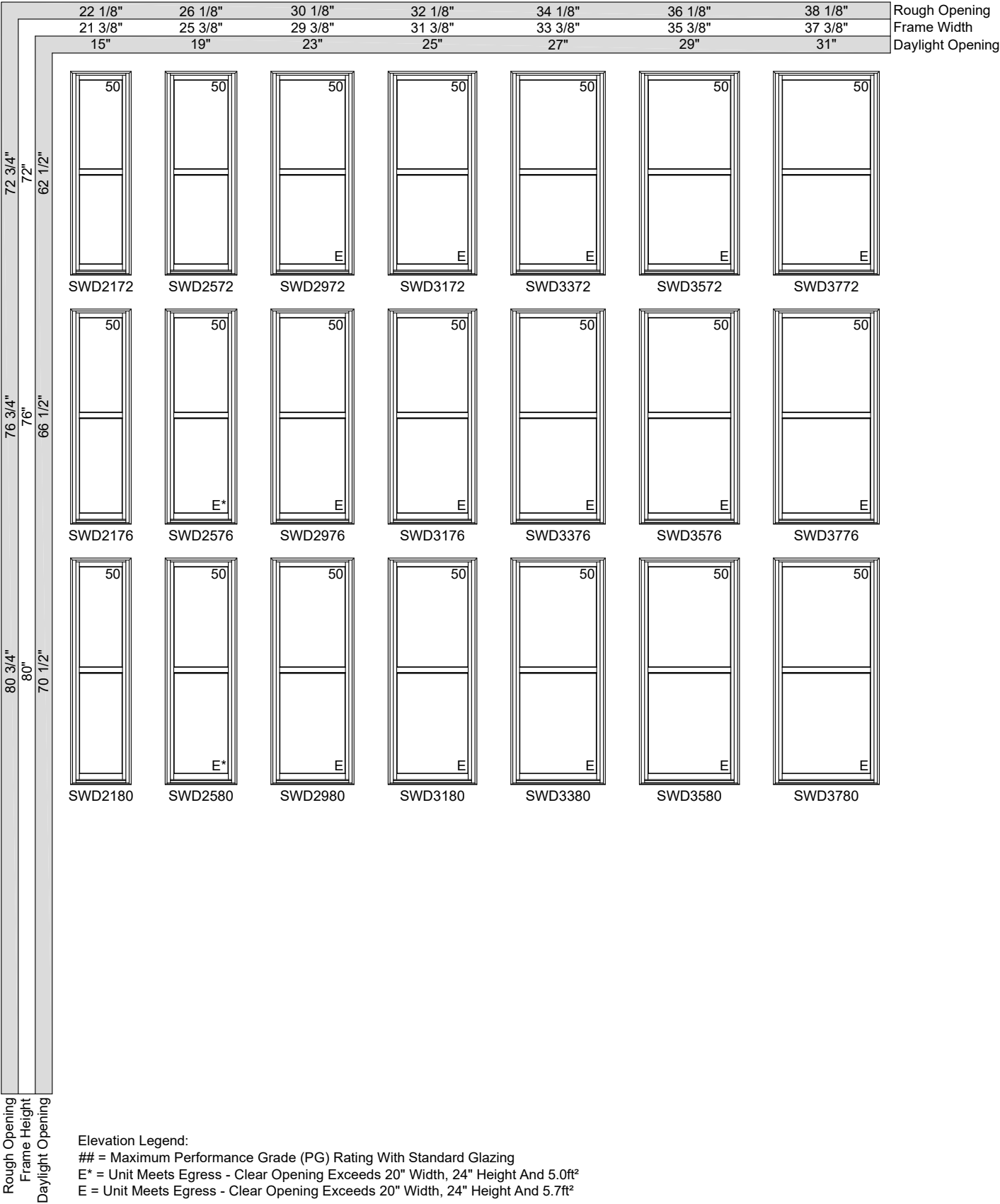
## = Maximum Performance Grade (PG) Rating With Standard Glazing

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



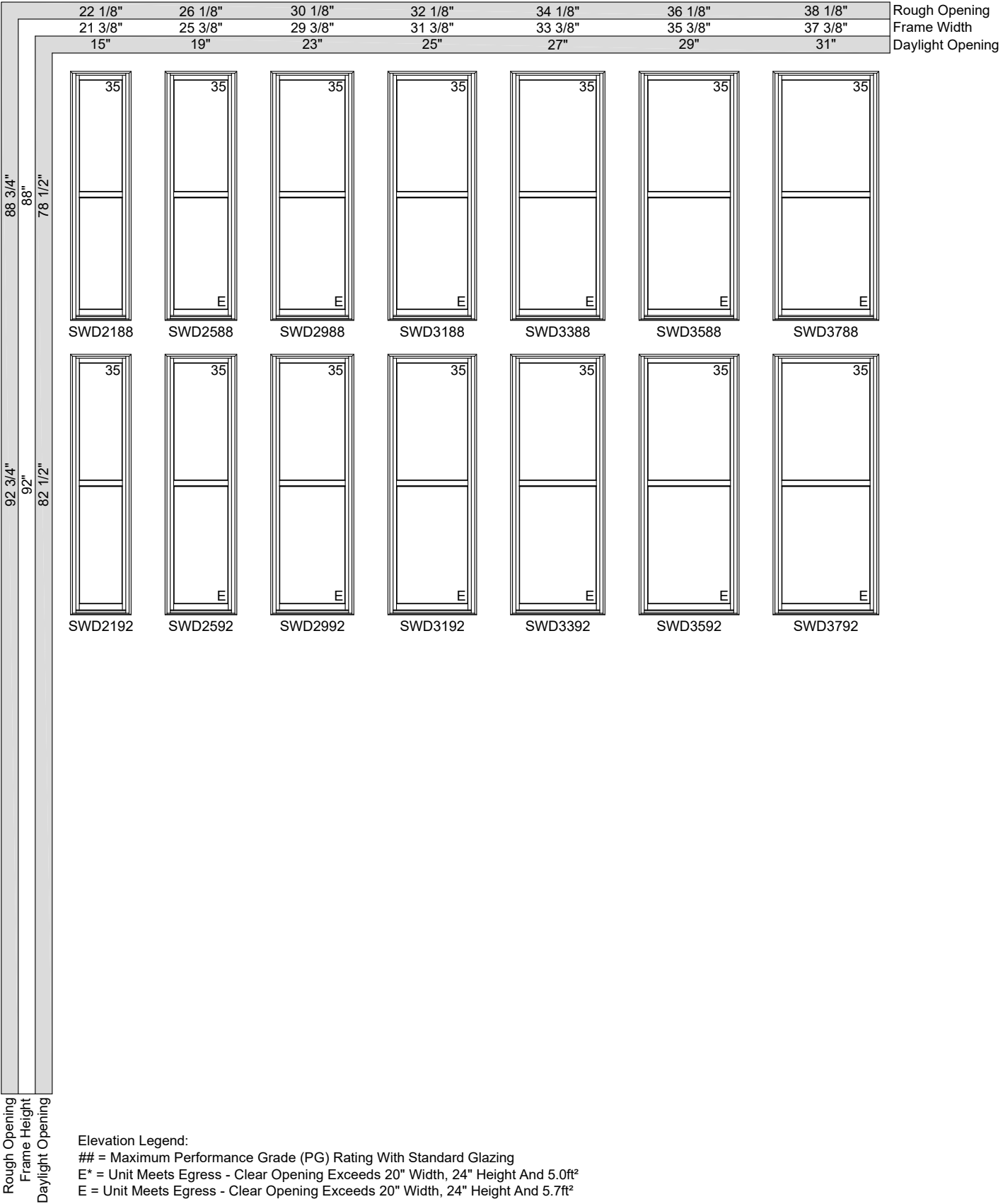
STANDARD RECTANGLE UNITS





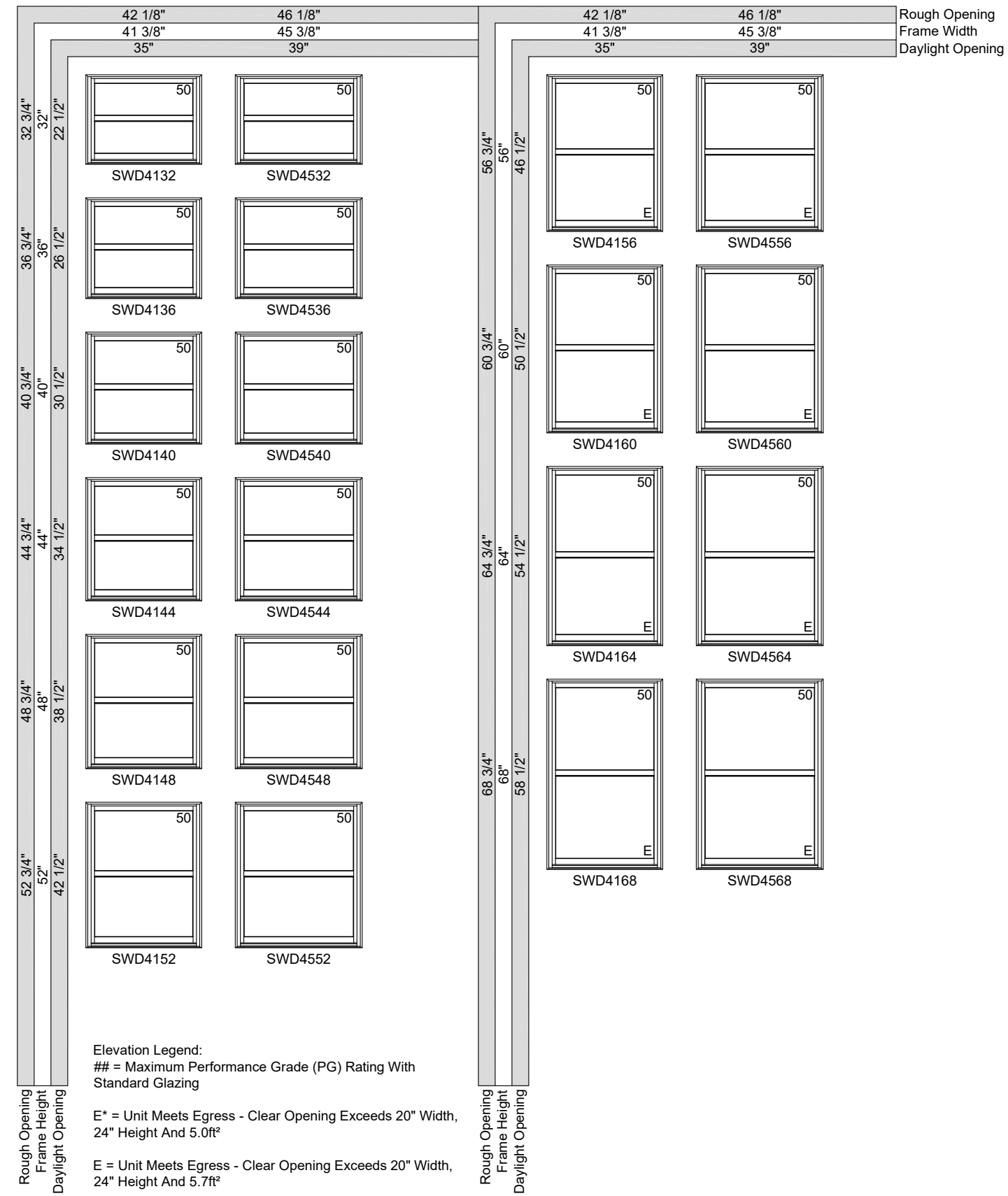


STANDARD RECTANGLE UNITS



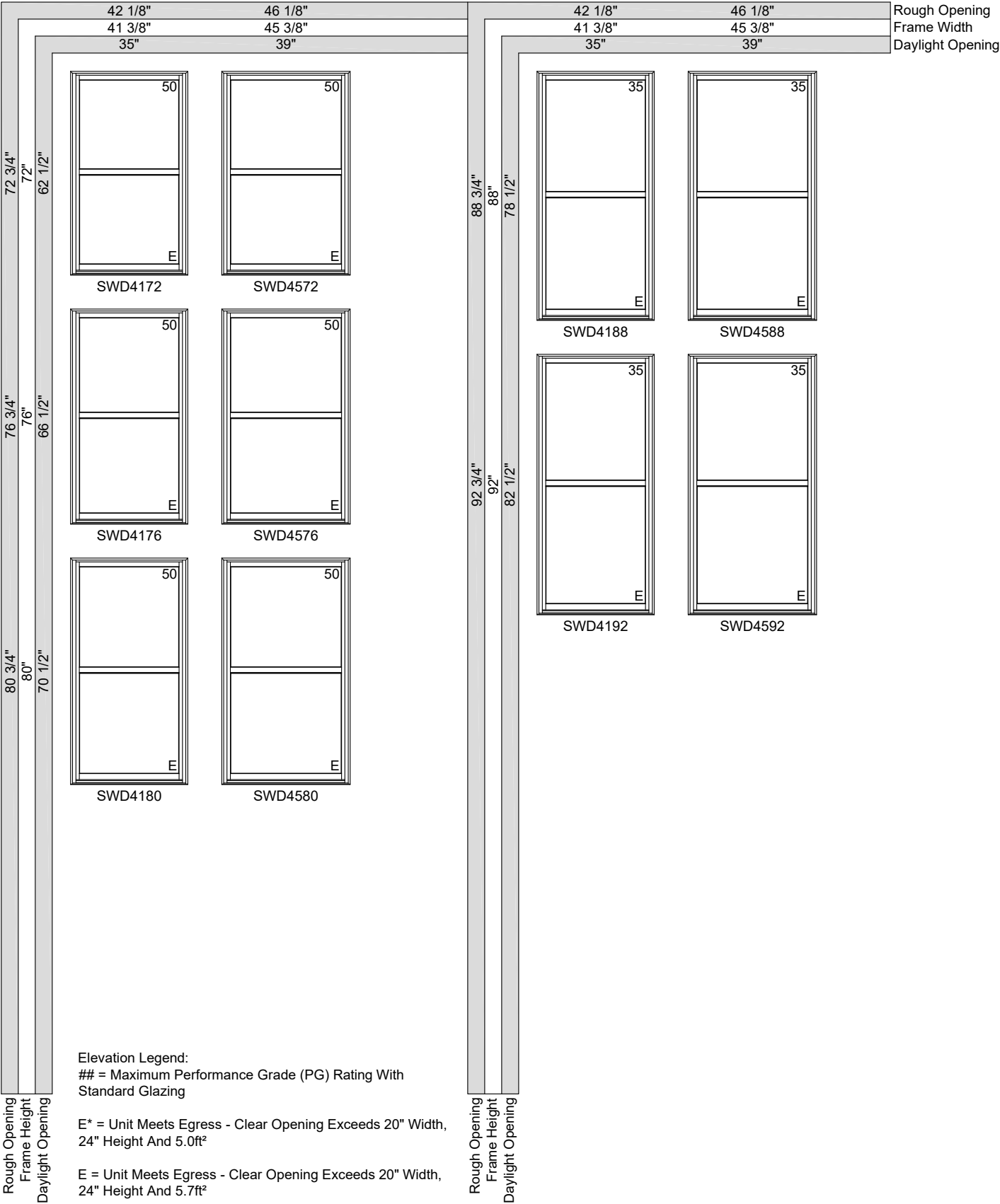


STANDARD RECTANGLE UNITS



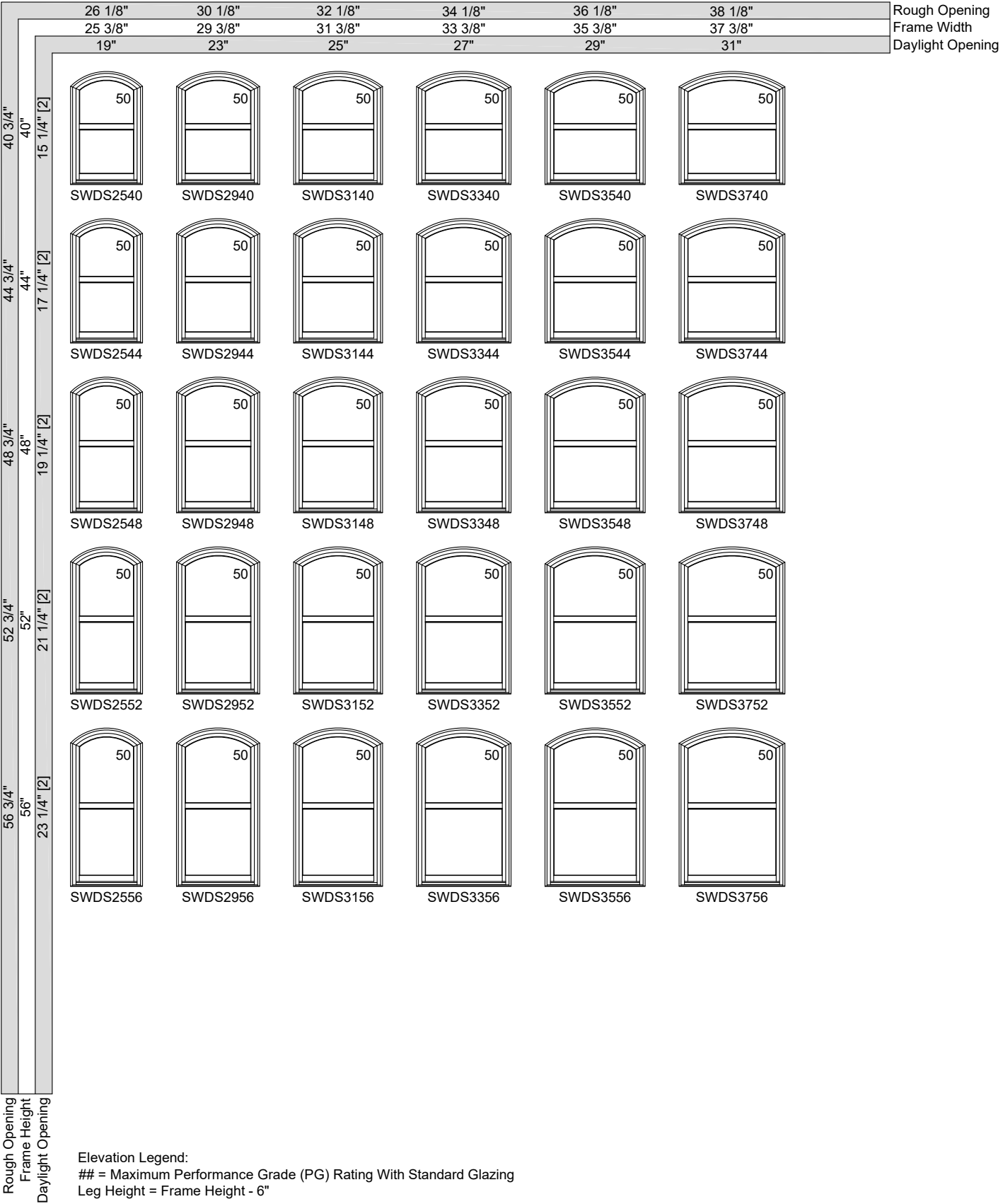


STANDARD RECTANGLE UNITS



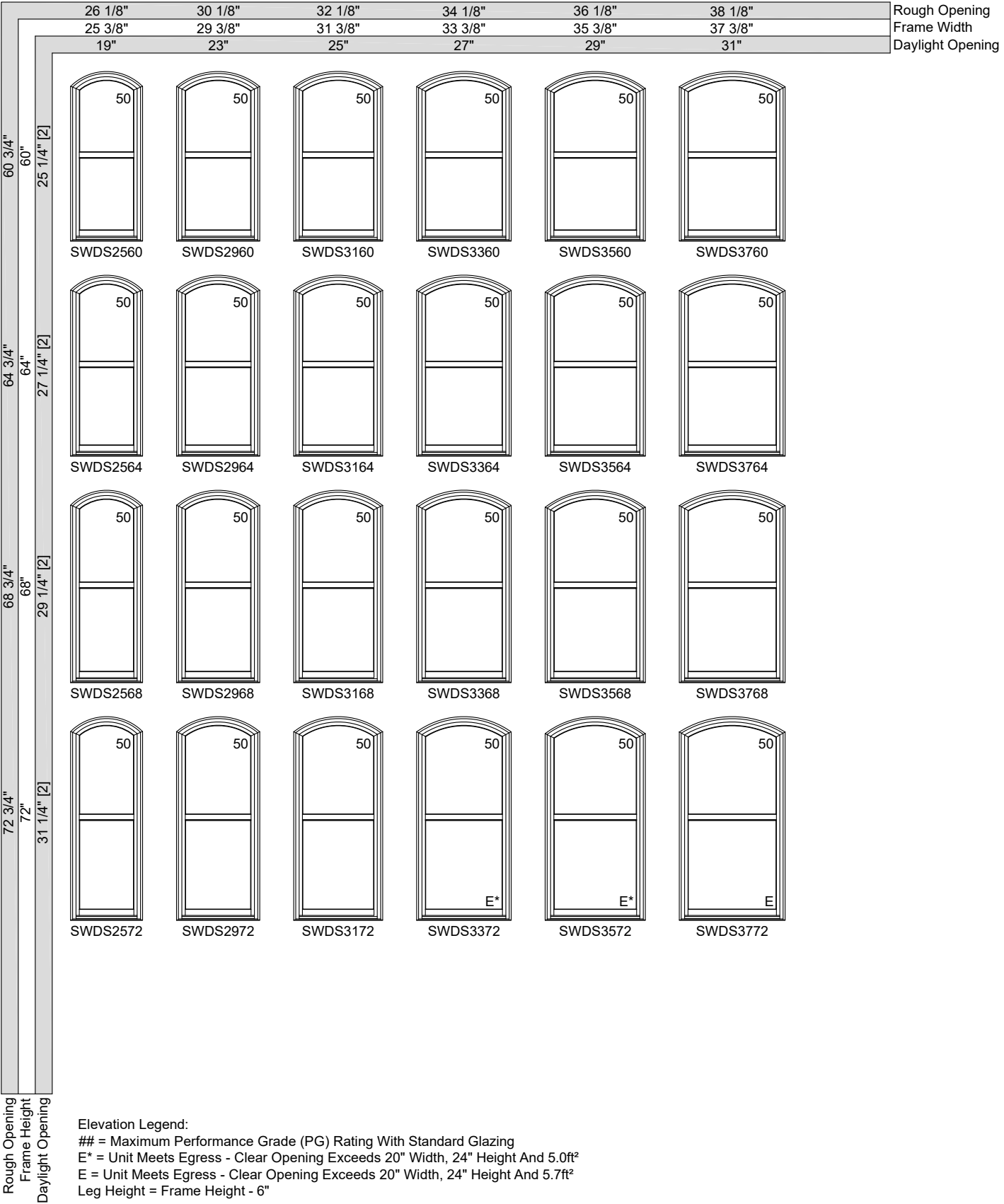


EXTENDED CIRCLE SEGMENT UNITS



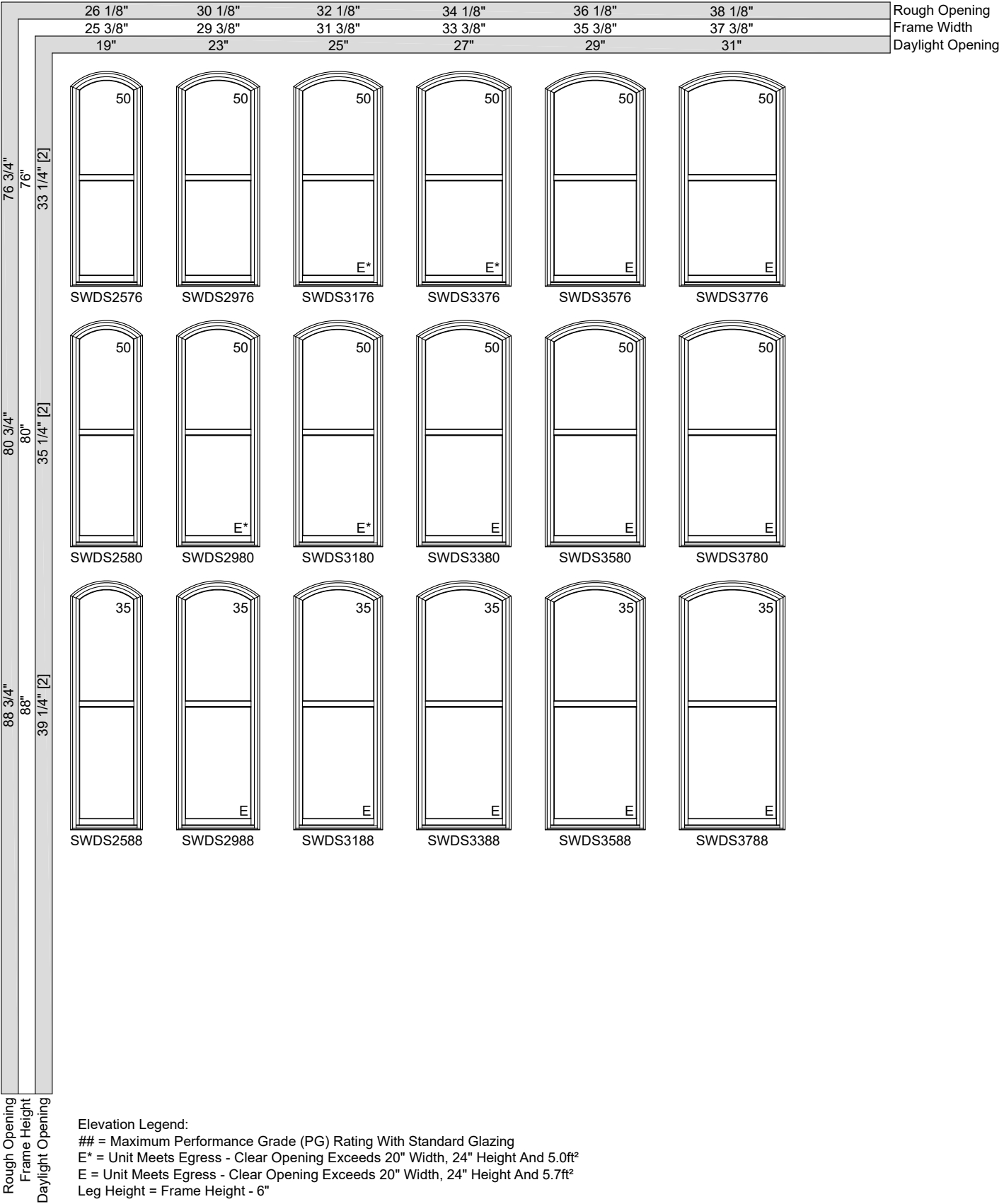


EXTENDED CIRCLE SEGMENT UNITS



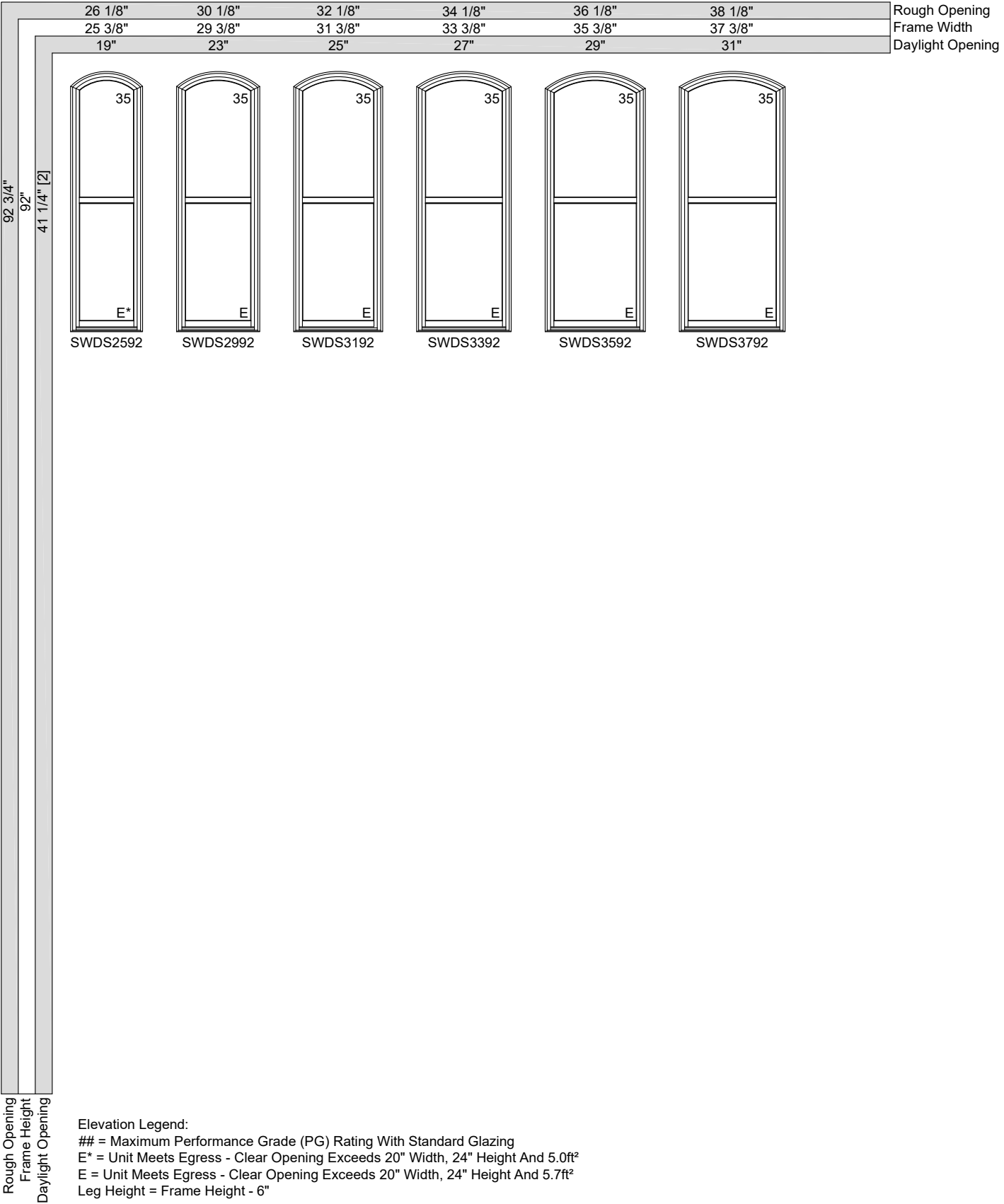


EXTENDED CIRCLE SEGMENT UNITS



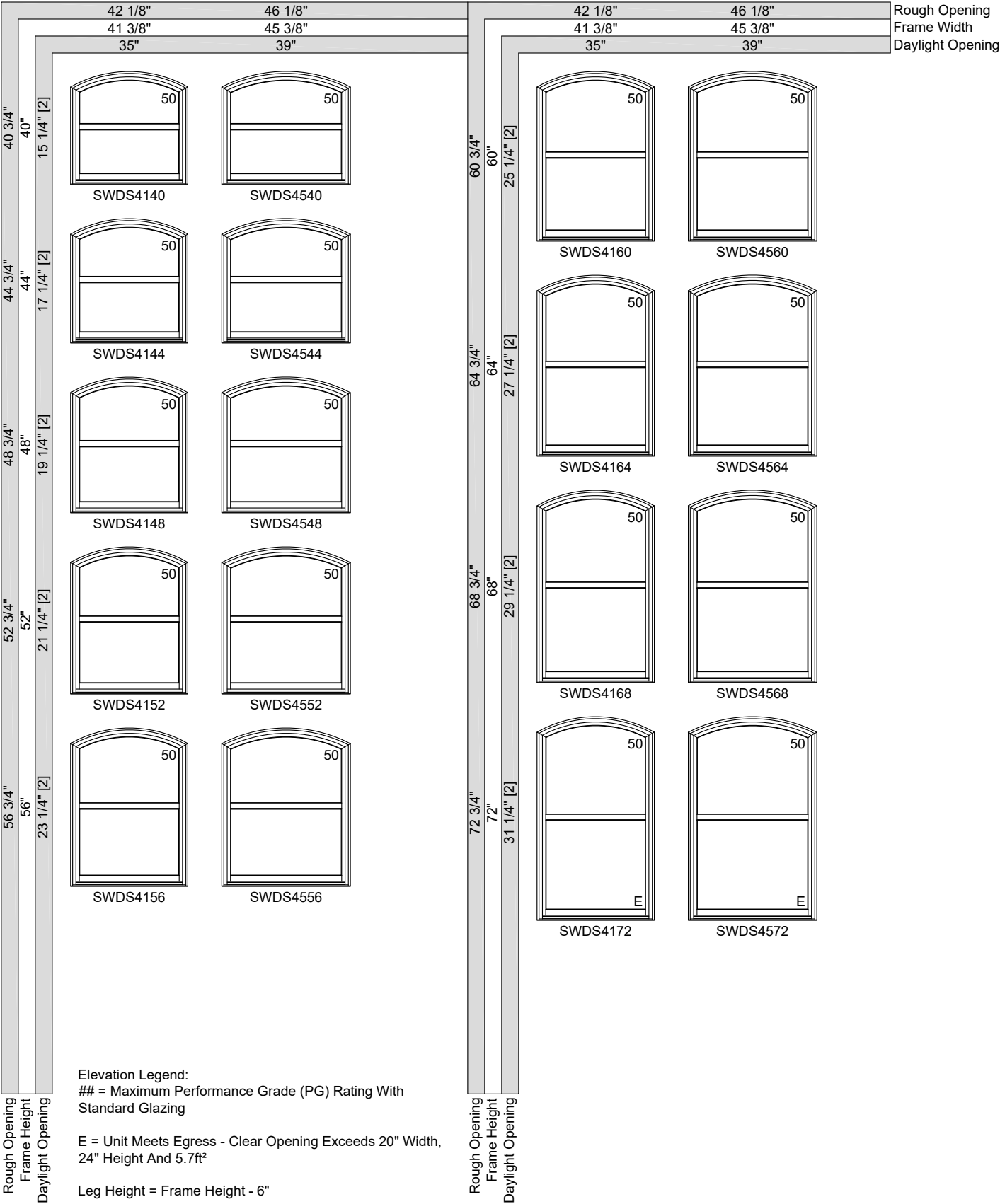


EXTENDED CIRCLE SEGMENT UNITS





EXTENDED CIRCLE SEGMENT UNITS

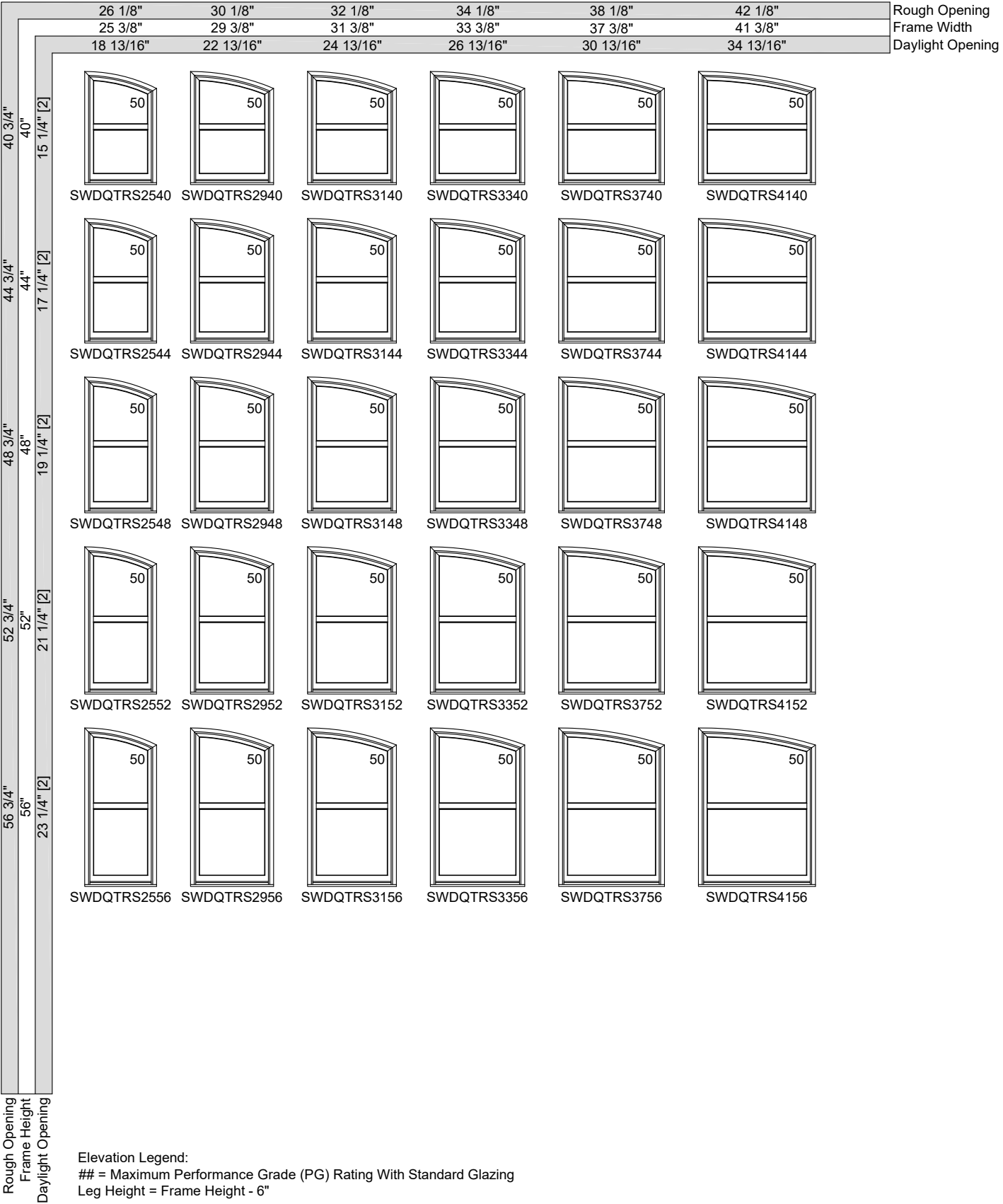






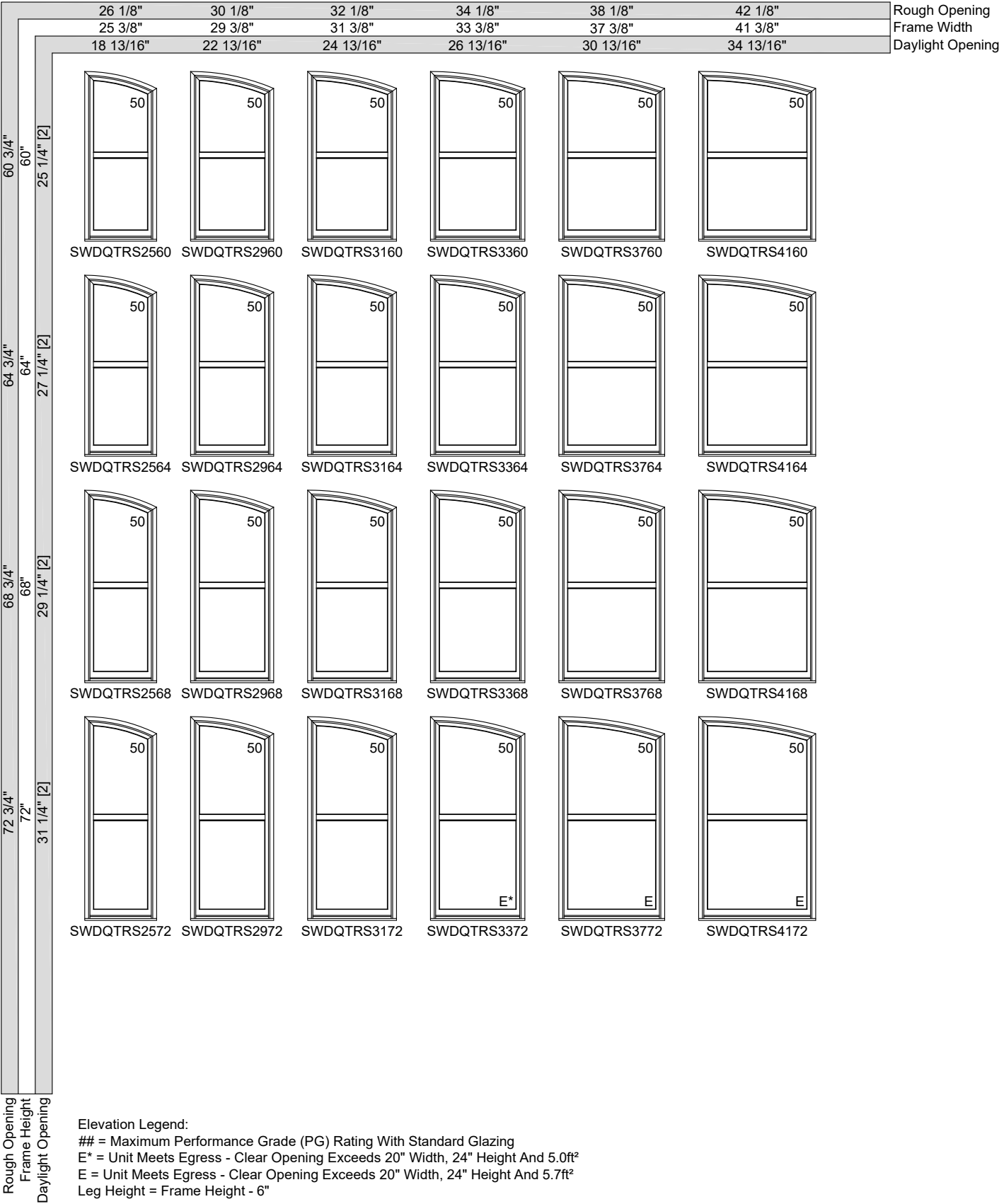


EXTENDED QUARTER SEGMENT UNITS



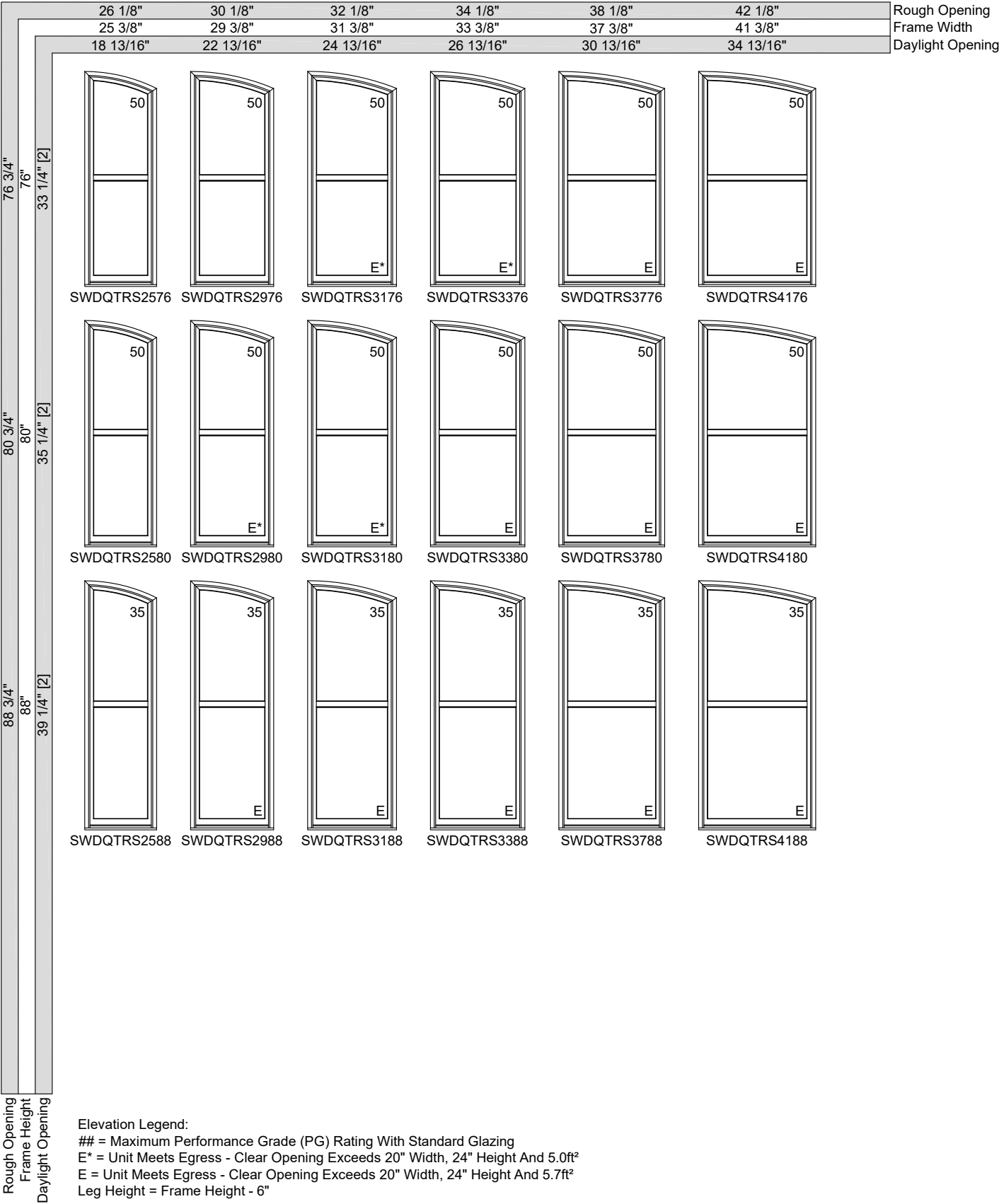


EXTENDED QUARTER SEGMENT UNITS



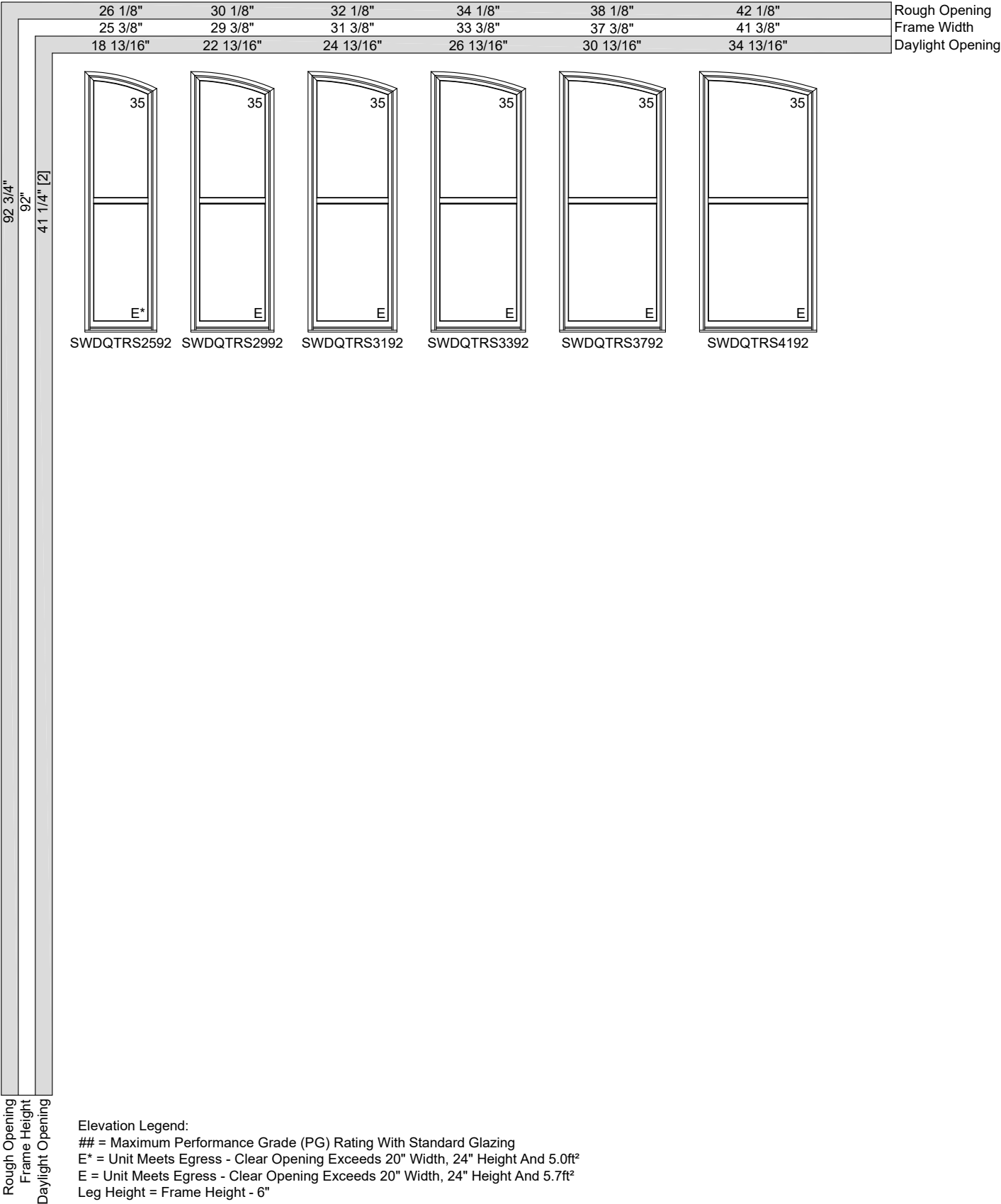


EXTENDED QUARTER SEGMENT UNITS



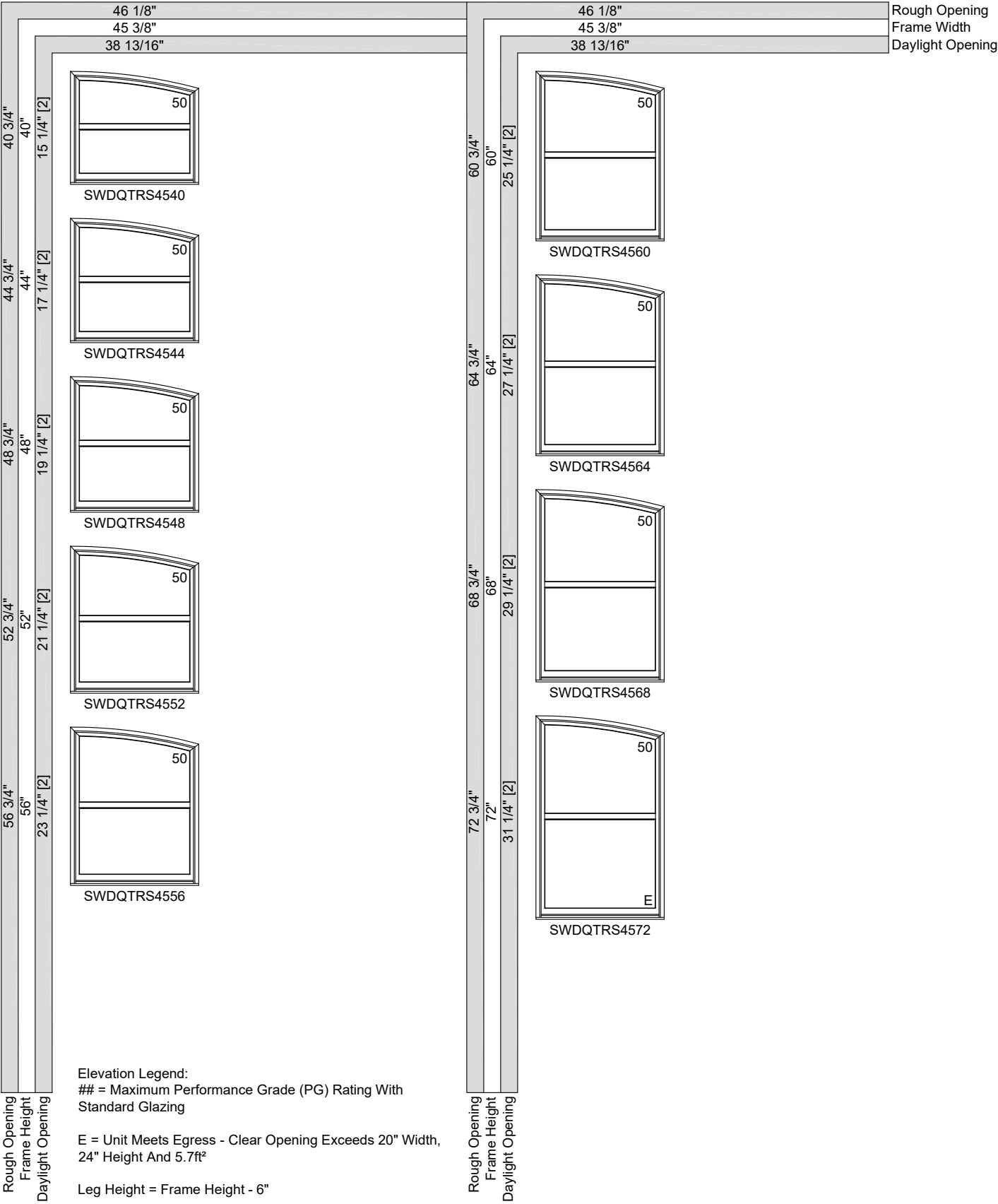


EXTENDED QUARTER SEGMENT UNITS



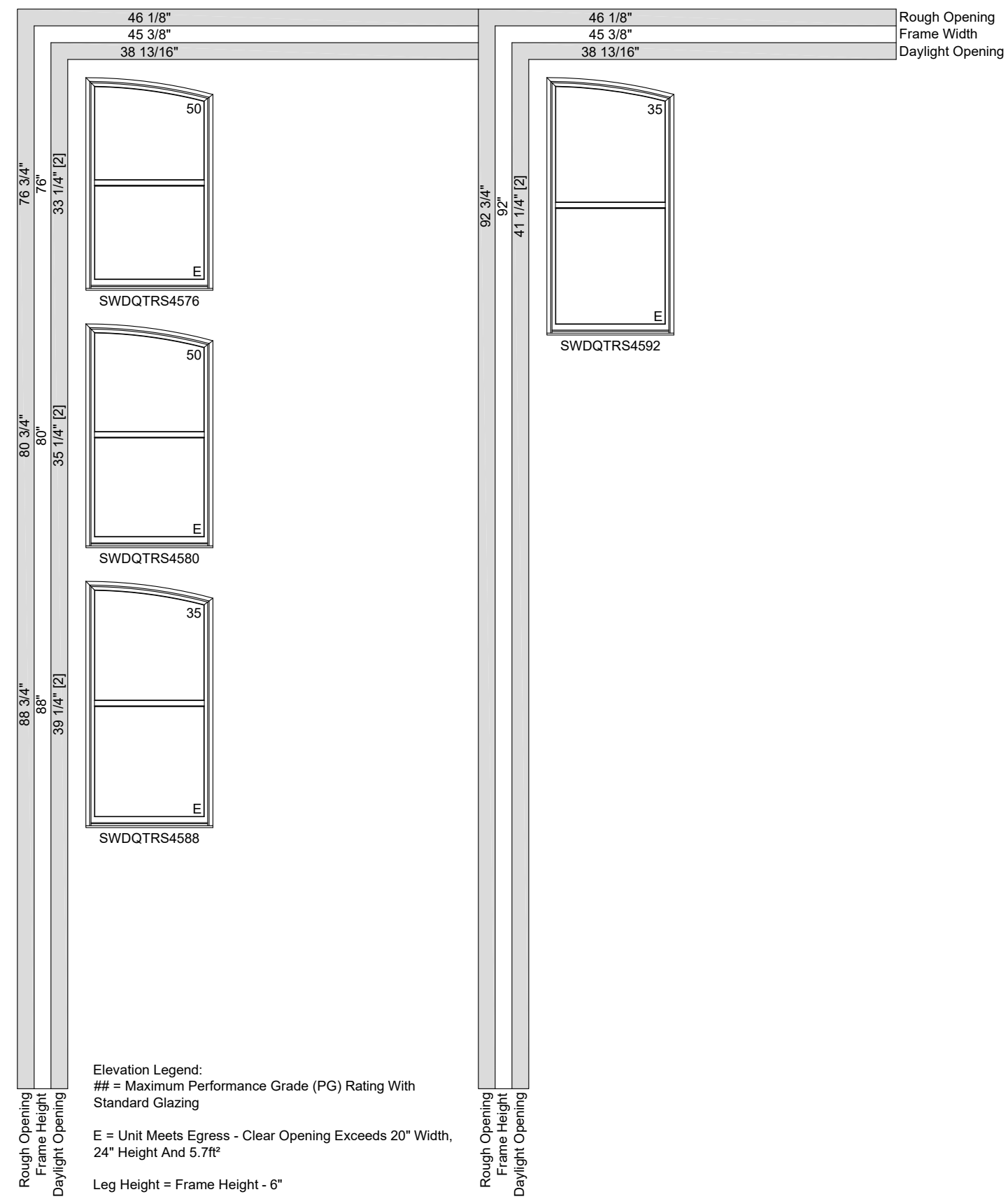


EXTENDED QUARTER SEGMENT UNITS



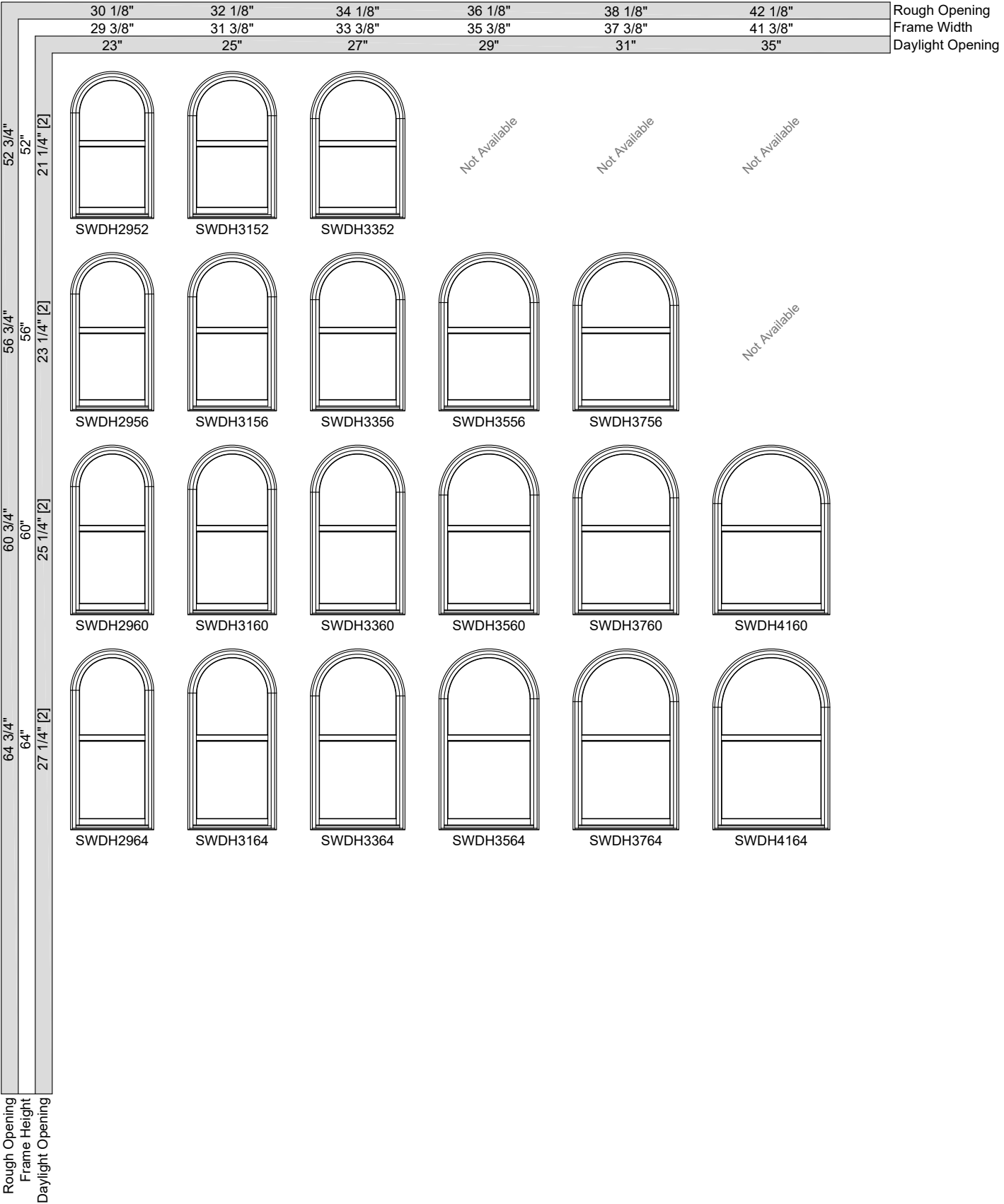


EXTENDED QUARTER SEGMENT UNITS





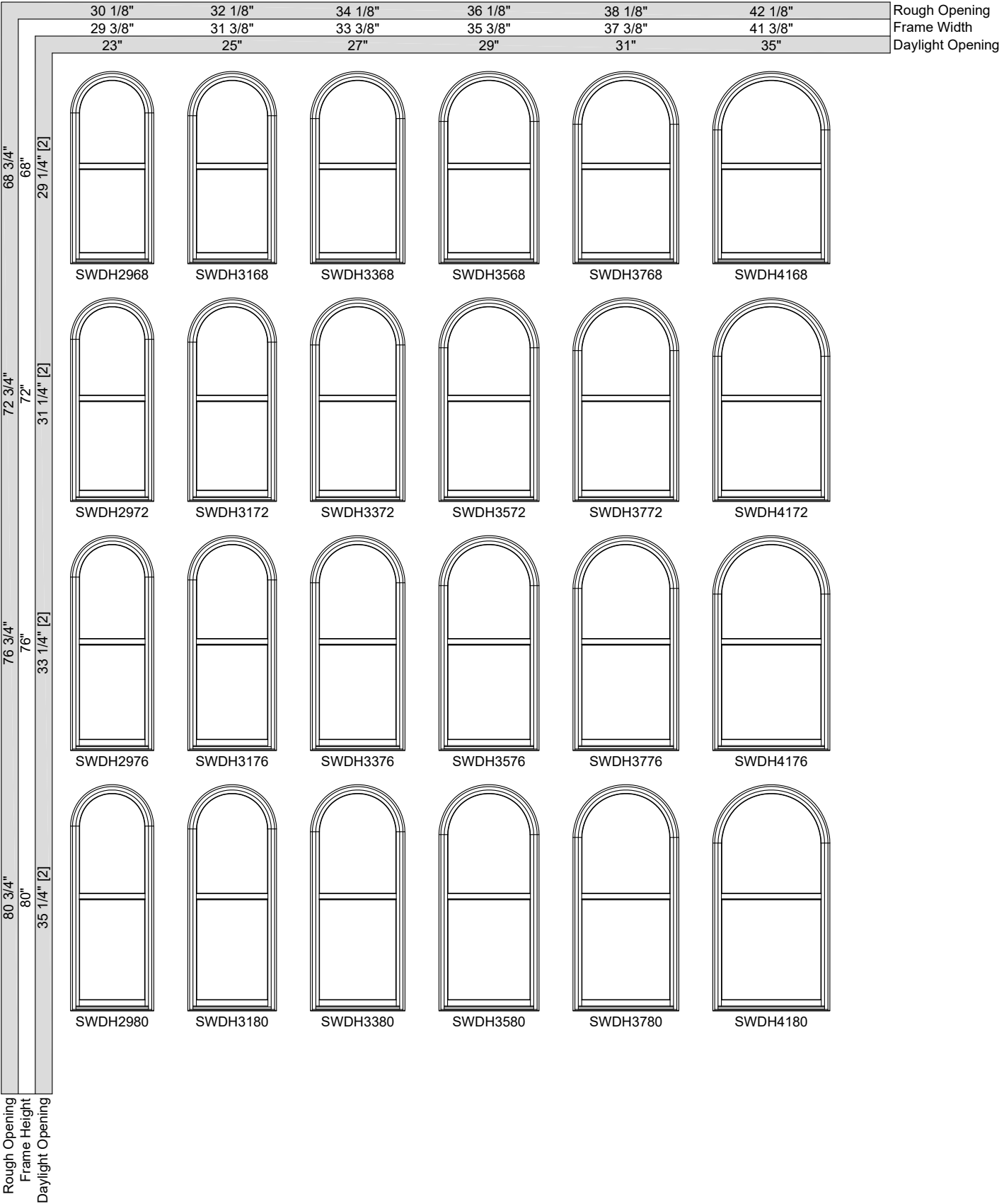
EXTENDED HALF ROUND UNITS





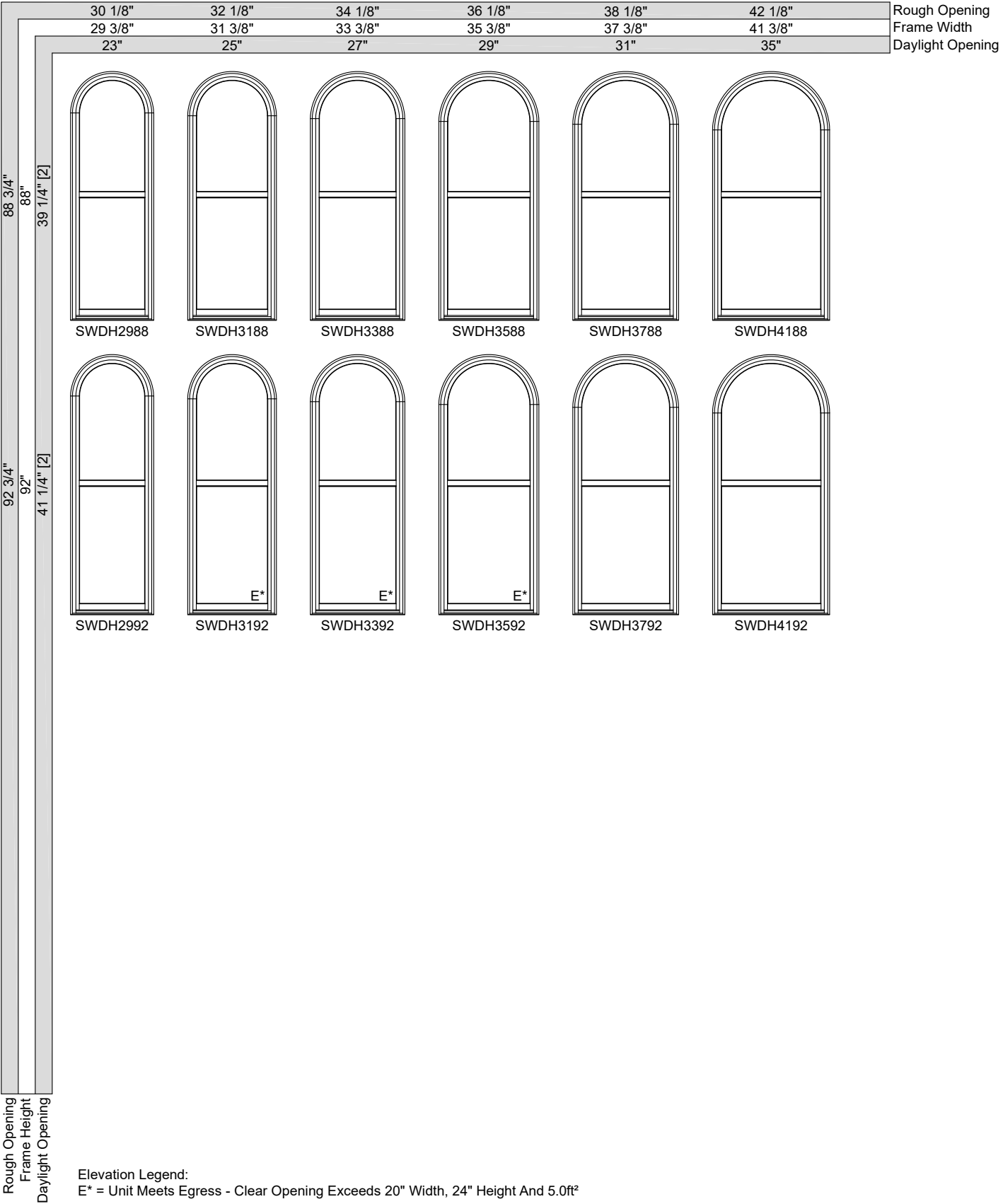


EXTENDED HALF ROUND UNITS



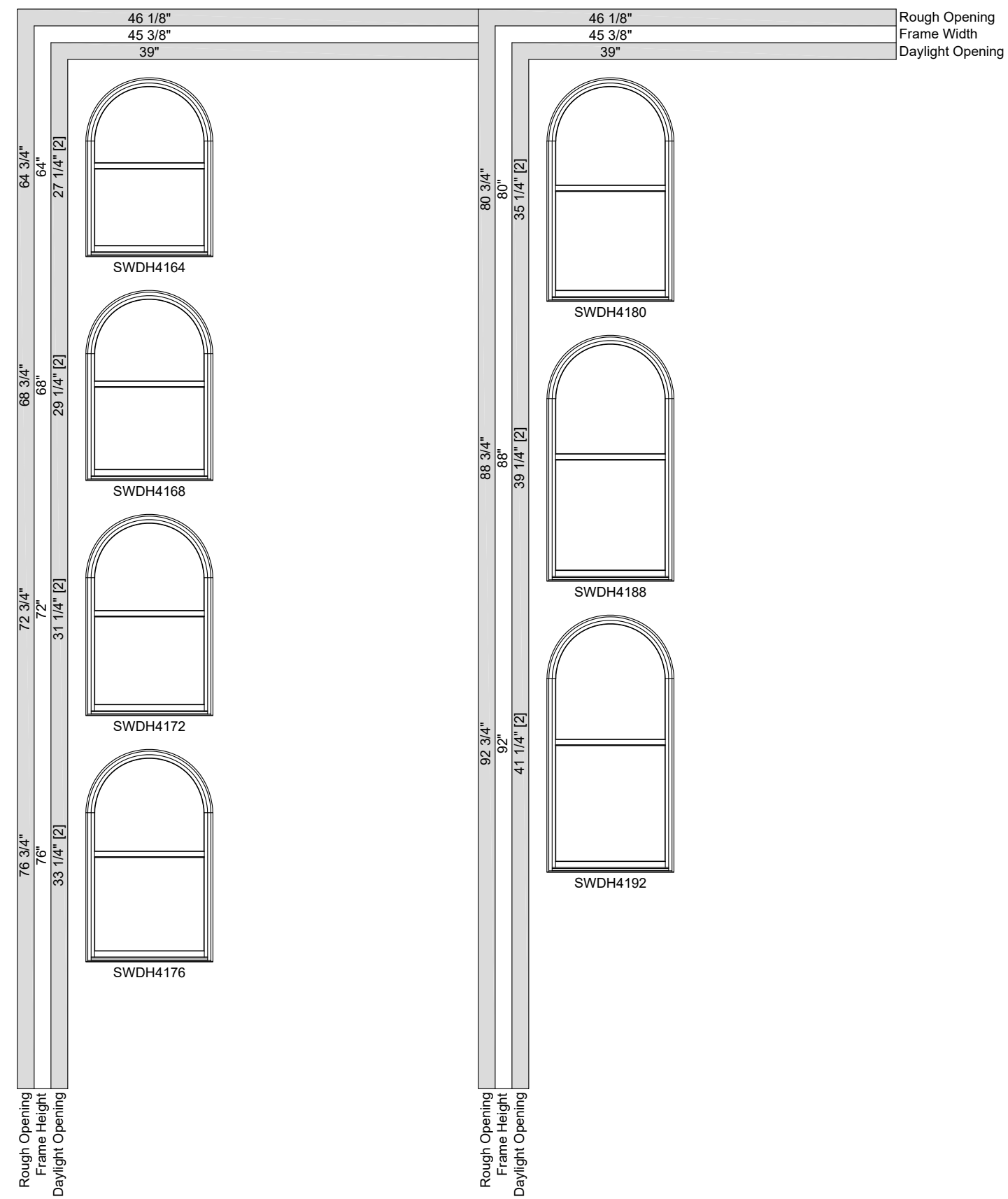


EXTENDED HALF ROUND UNITS





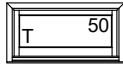





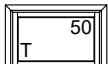
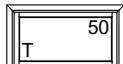
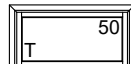
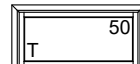



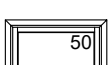
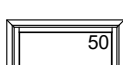





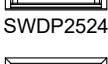
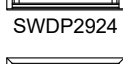
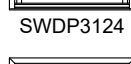
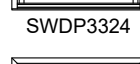
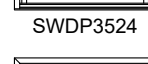
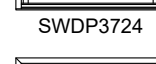








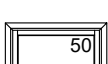
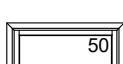





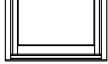
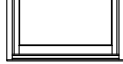
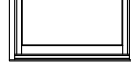
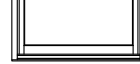
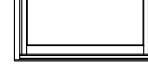
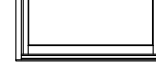


EXTENDED HALF ROUND UNITS



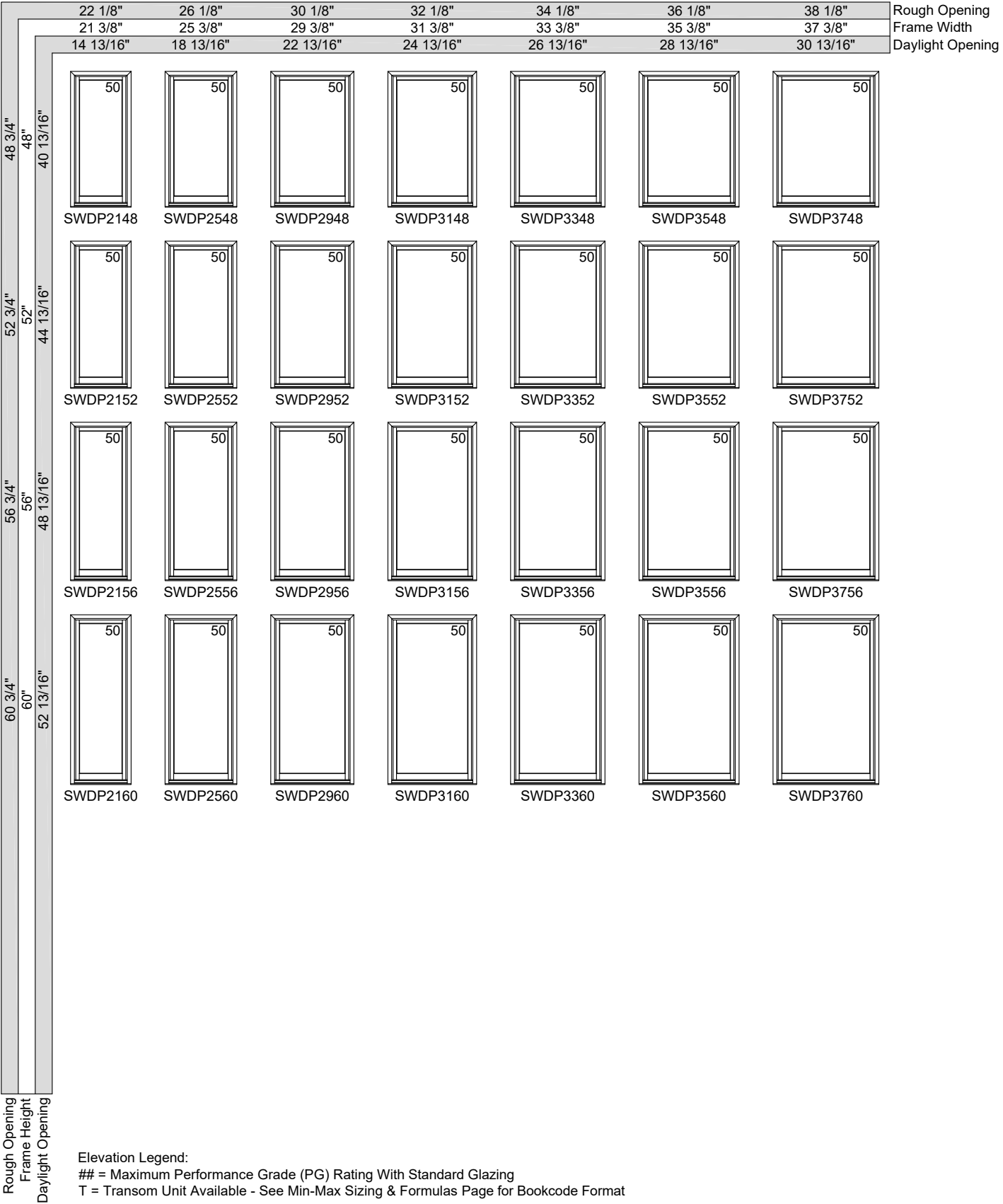


FIXED UNITS

		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
Rough Opening Frame Height 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"								
<p>Elevation Legend: ## = Maximum Performance Grade (PG) Rating With Standard Glazing T = Transom Unit Available - See Min-Max Sizing &amp; Formulas Page for Bookcode Format</p>									



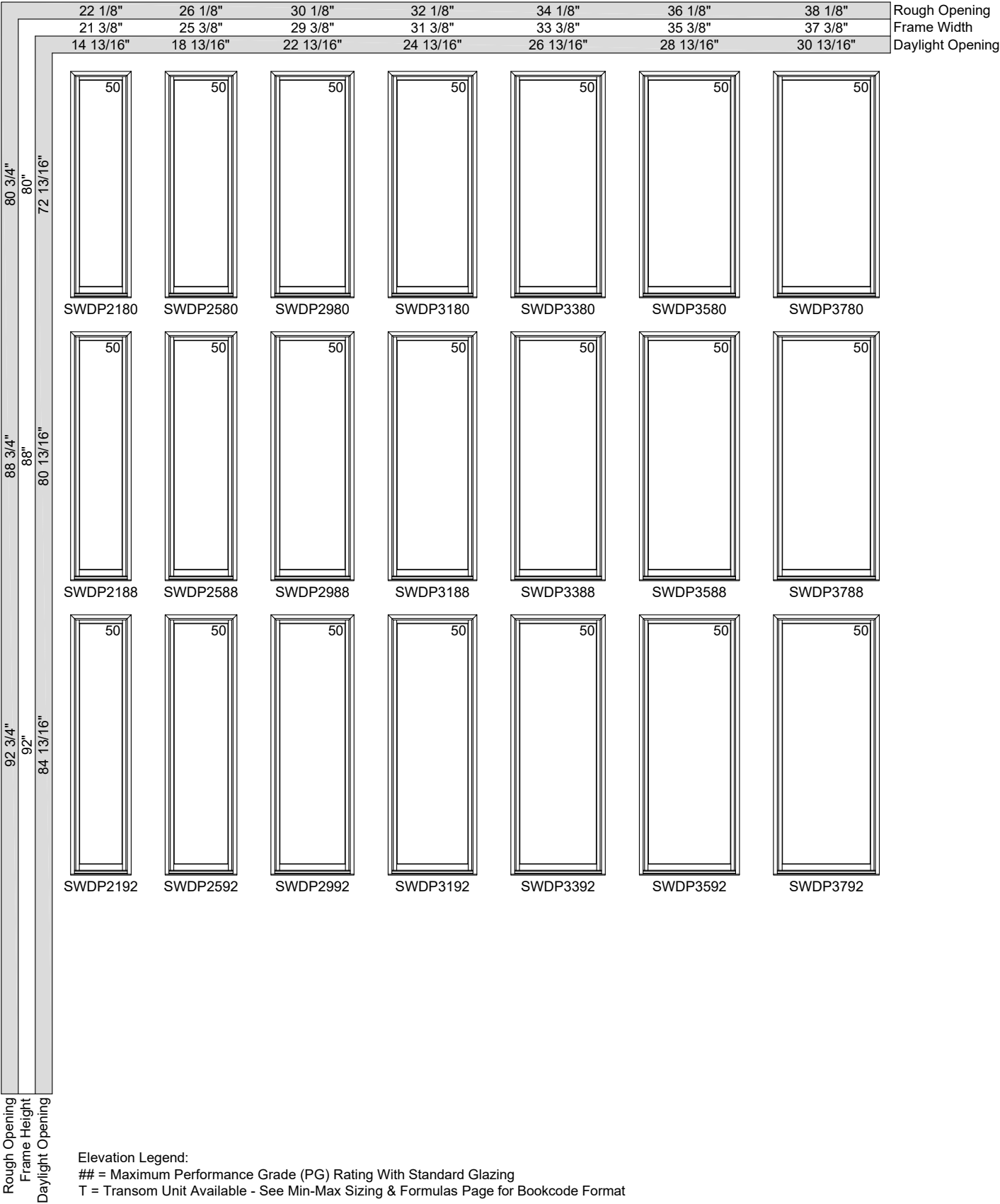
FIXED UNITS







FIXED UNITS





FIXED UNITS

		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
Rough Opening Frame Height 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"						
		SWDP4115	SWDP4515	SWDP4915	SWDP5315	SWDP6115	
		SWDP4118	SWDP4518	SWDP4918	SWDP5318	SWDP6118	
		SWDP4124	SWDP4524	SWDP4924	SWDP5324	SWDP6124	
		SWDP4132	SWDP4532	SWDP4932	SWDP5332	SWDP6132	
		SWDP4136	SWDP4536	SWDP4936	SWDP5336	SWDP6136	
		SWDP4140	SWDP4540	SWDP4940	SWDP5340	SWDP6140	
		SWDP4144	SWDP4544	SWDP4944	SWDP5344	SWDP6144	

Elevation Legend:

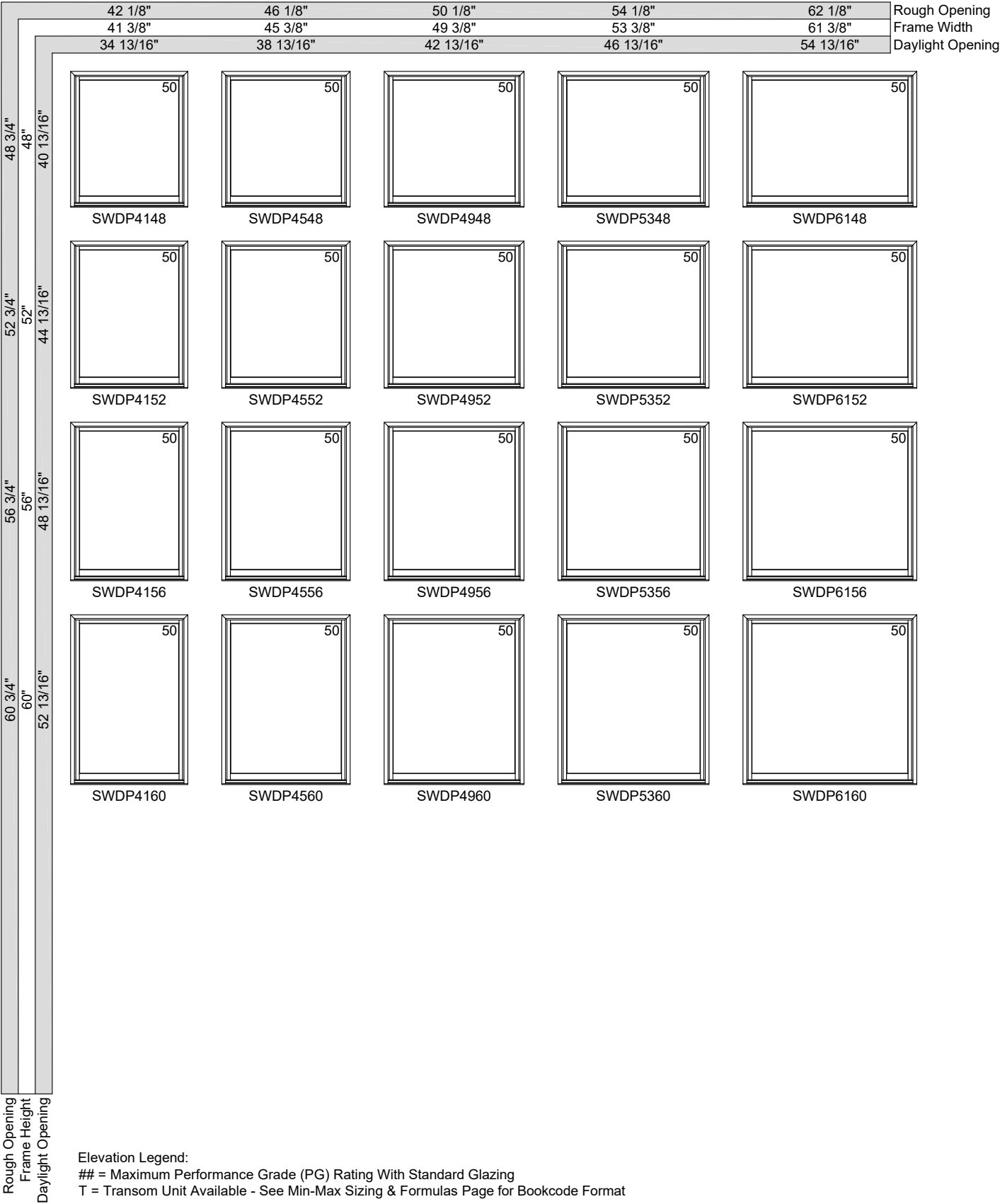
## = Maximum Performance Grade (PG) Rating With Standard Glazing

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



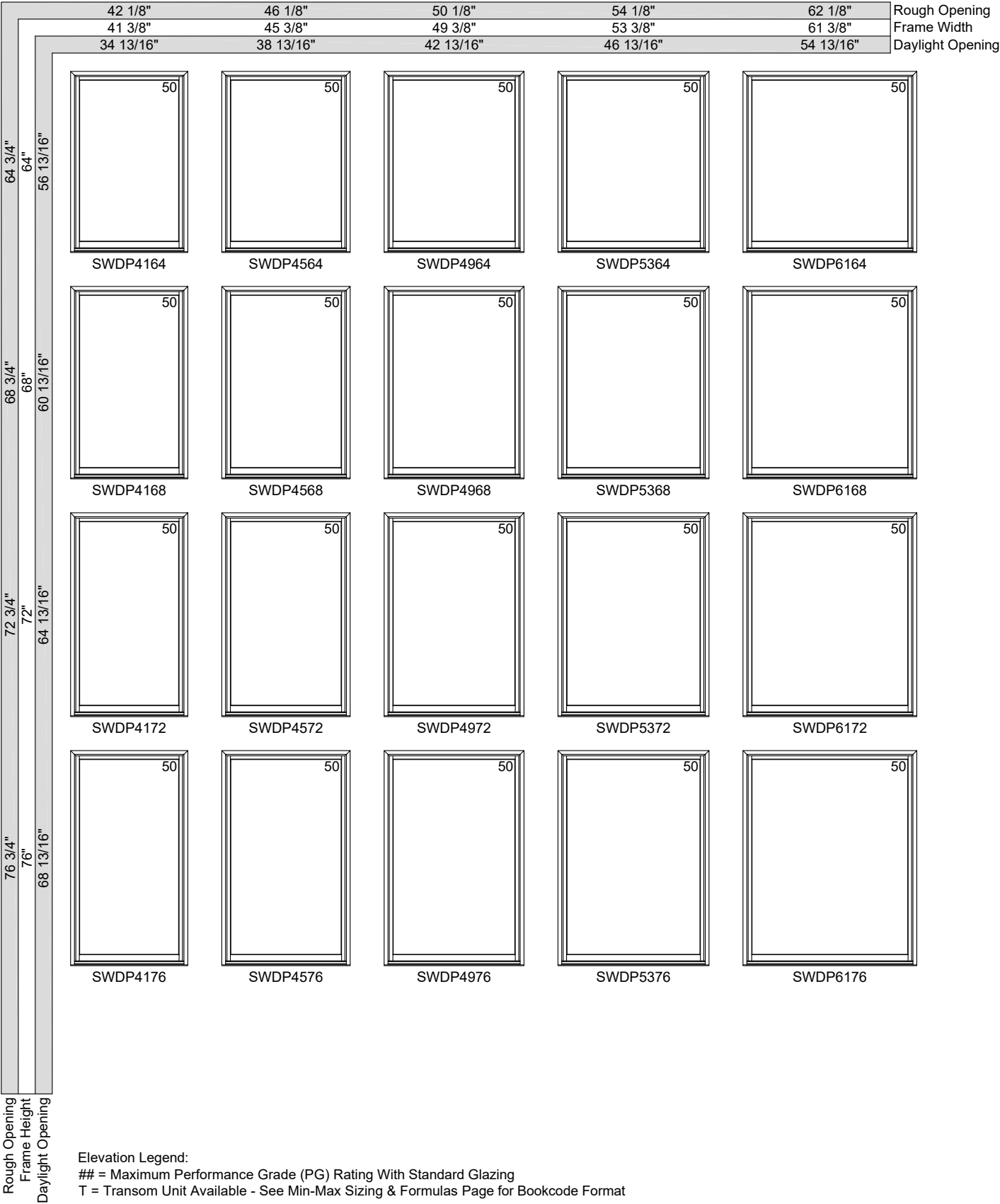


FIXED UNITS



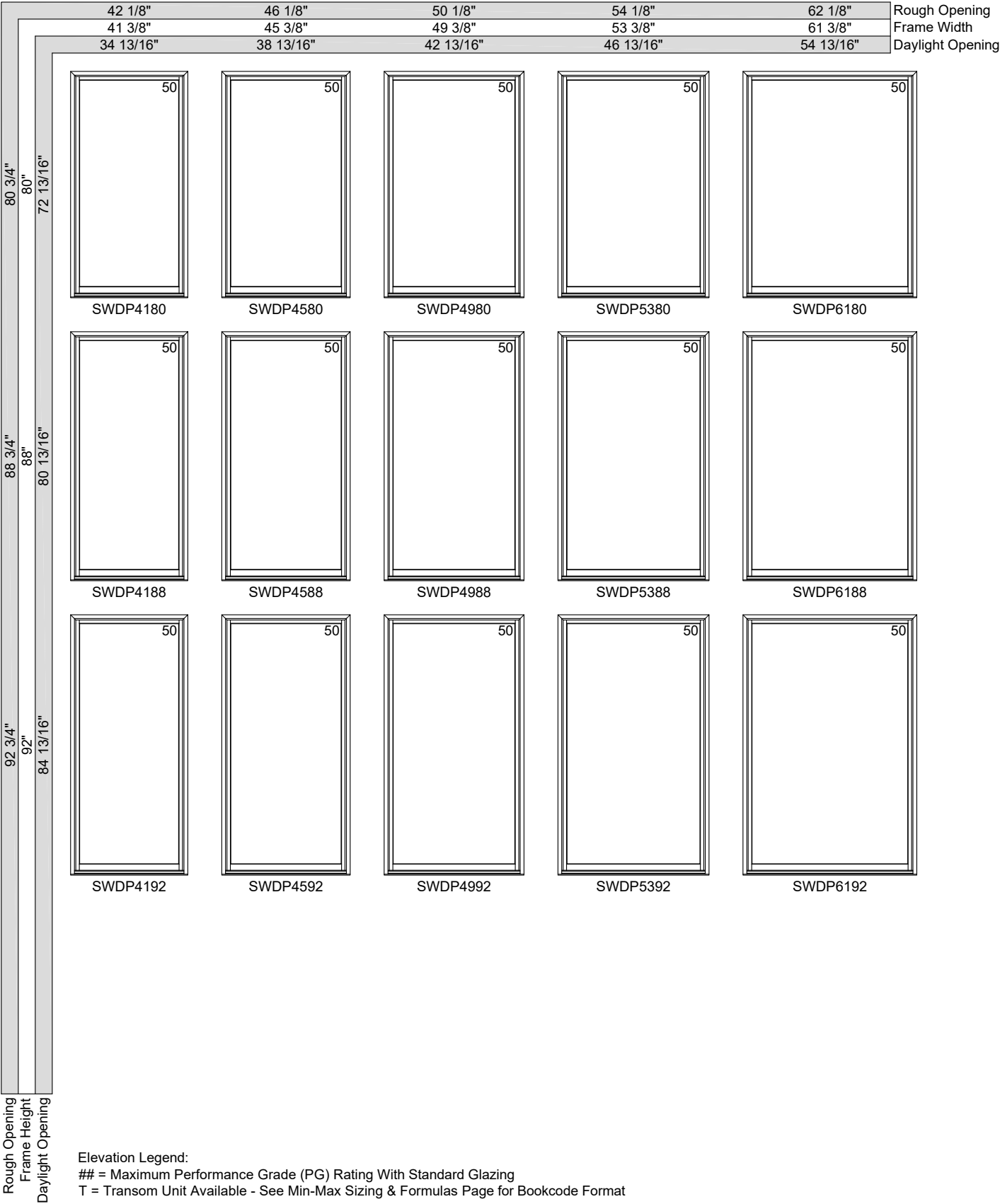


FIXED UNITS



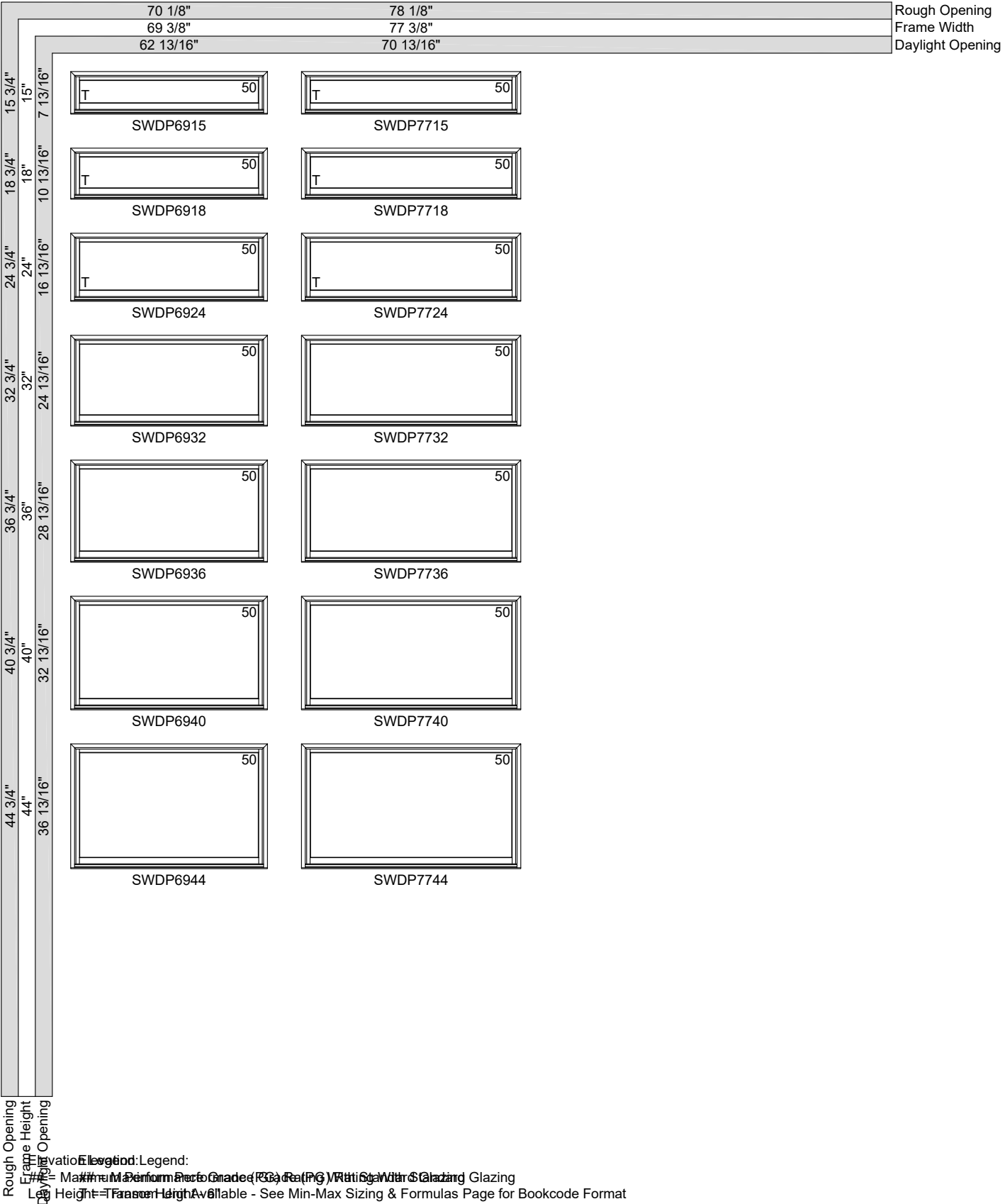


FIXED UNITS



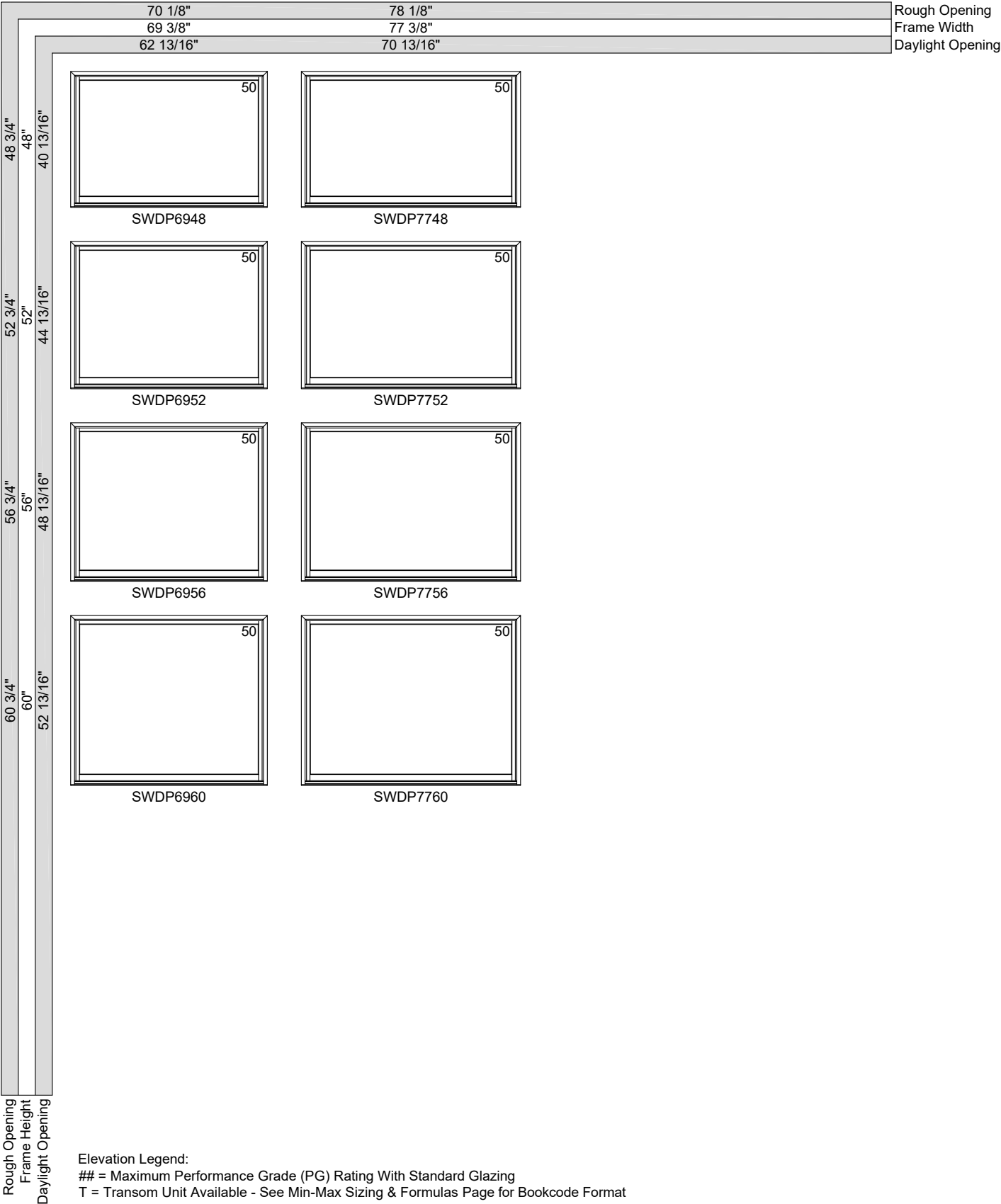


FIXED UNITS



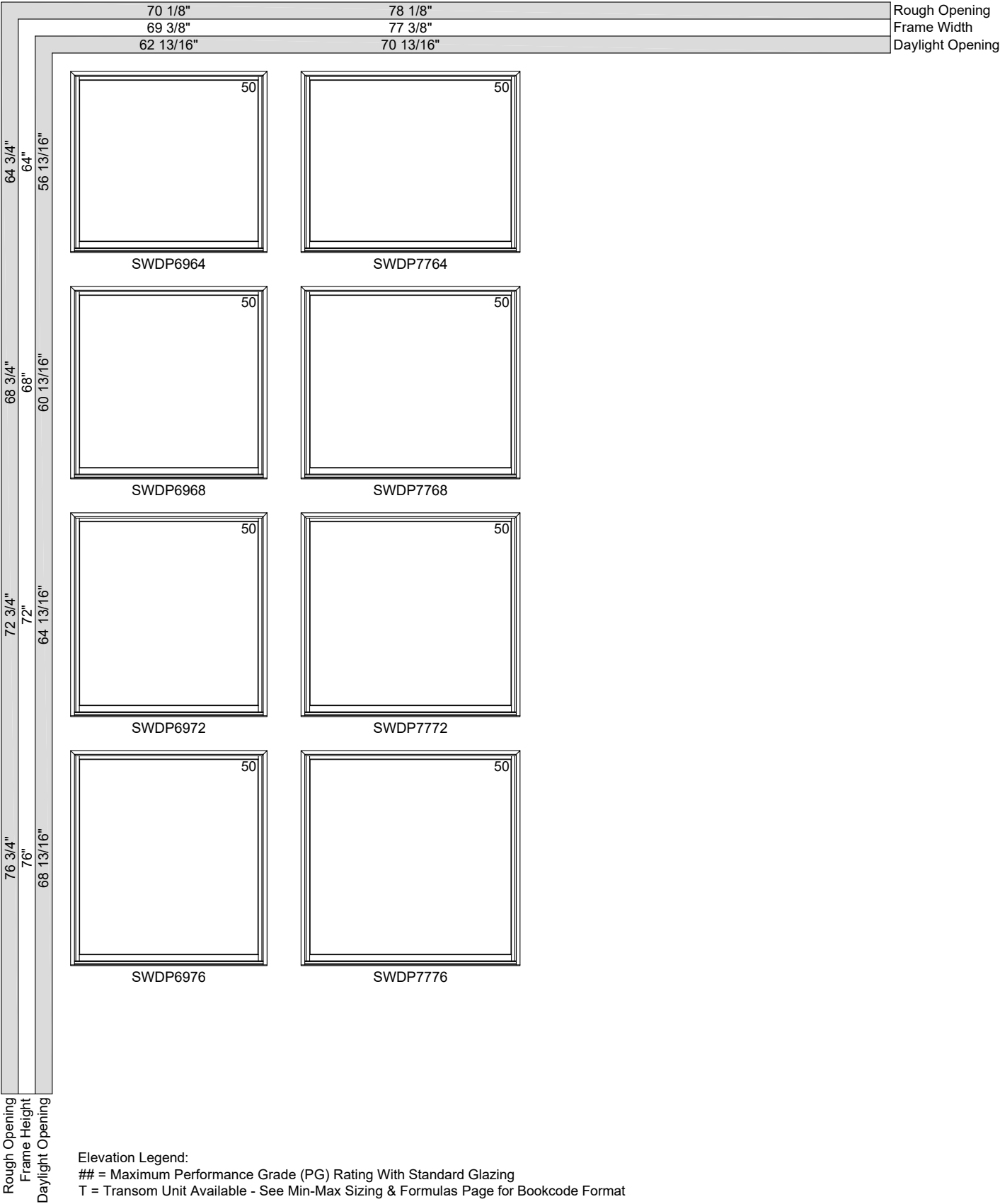


FIXED UNITS



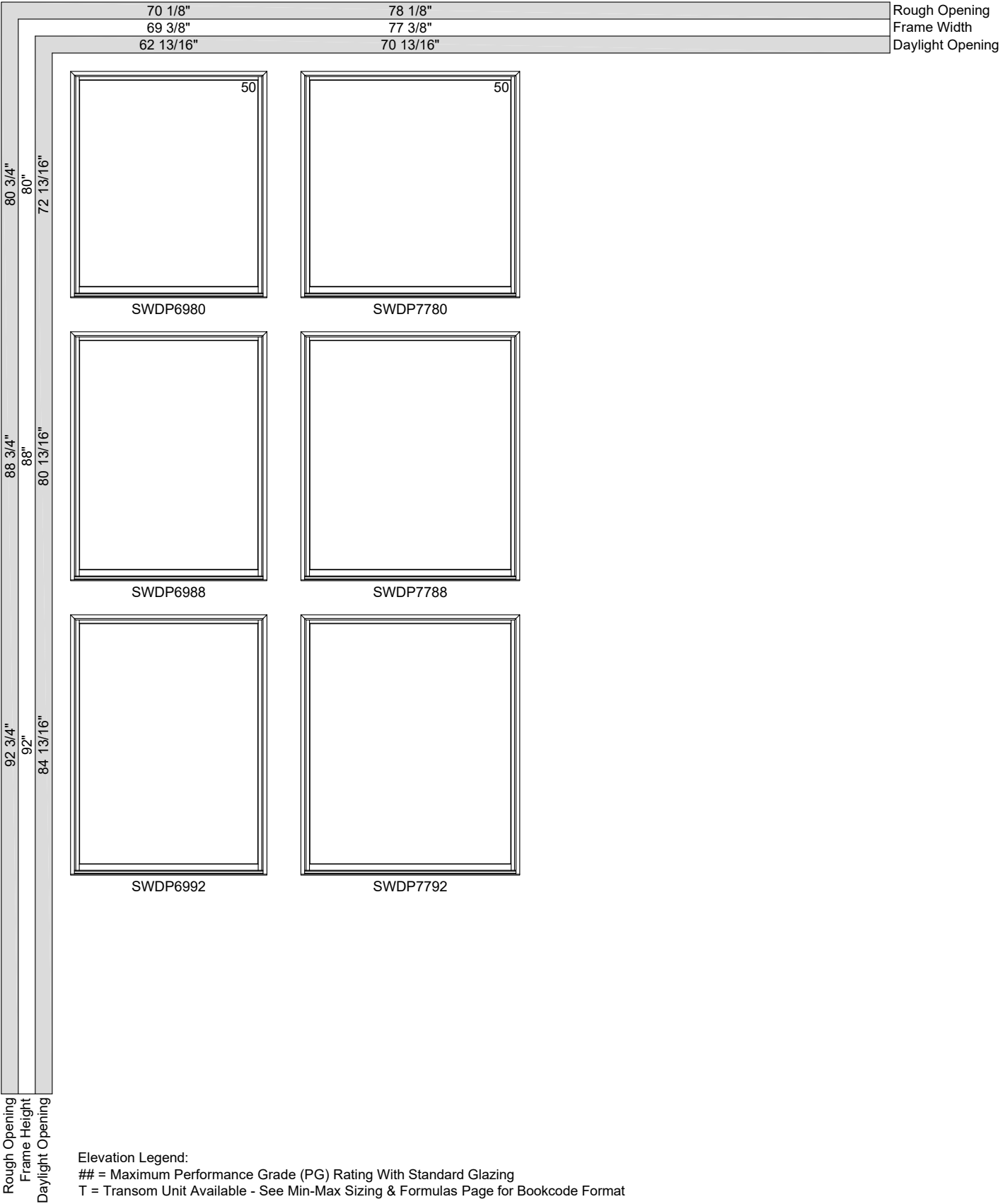


FIXED UNITS





FIXED UNITS





EXTENDED CIRCLE SEGMENT FIXED UNITS

Rough Opening						Rough Opening Frame Width Daylight Opening
26 1/8"						
25 3/8"						
18 13/16"						
32 3/4"	32"	24 13/16"	50	SWDSPS2532	50	SWDSPS2932
36 3/4"	36"	28 13/16"	50	SWDSPS2536	50	SWDSPS2936
40 3/4"	40"	32 13/16"	50	SWDSPS2540	50	SWDSPS2940
44 3/4"	44"	36 13/16"	50	SWDSPS2544	50	SWDSPS2944
48 3/4"	48"	40 13/16"	50	SWDSPS2548	50	SWDSPS2948
52 3/4"	52"	44 13/16"	50	SWDSPS2552	50	SWDSPS2952
32 1/8"						50
31 3/8"						SWDSPS3132
34 1/8"						50
33 3/8"						SWDSPS3332
38 1/8"						50
37 3/8"						SWDSPS3732
42 1/8"						50
41 3/8"						SWDSPS4132
26 13/16"						50
26 13/16"						SWDSPS3336
30 13/16"						50
30 13/16"						SWDSPS3736
34 13/16"						50
34 13/16"						SWDSPS4136
32 13/16"						50
32 13/16"						SWDSPS3136
36 13/16"						50
36 13/16"						SWDSPS3336
40 13/16"						50
40 13/16"						SWDSPS3736
44 13/16"						50
44 13/16"						SWDSPS4136
36 13/16"						50
36 13/16"						SWDSPS3140
40 13/16"						50
40 13/16"						SWDSPS3340
44 13/16"						50
44 13/16"						SWDSPS3740
48 13/16"						50
48 13/16"						SWDSPS4140
36 13/16"						50
36 13/16"						SWDSPS3144
40 13/16"						50
40 13/16"						SWDSPS3344
44 13/16"						50
44 13/16"						SWDSPS3744
48 13/16"						50
48 13/16"						SWDSPS4144
36 13/16"						50
36 13/16"						SWDSPS3148
40 13/16"						50
40 13/16"						SWDSPS3348
44 13/16"						50
44 13/16"						SWDSPS3748
48 13/16"						50
48 13/16"						SWDSPS4148
36 13/16"						50
36 13/16"						SWDSPS3152
40 13/16"						50
40 13/16"						SWDSPS3352
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44 13/16"						SWDSPS3752
48 13/16"						50
48 13/16"						SWDSPS4152

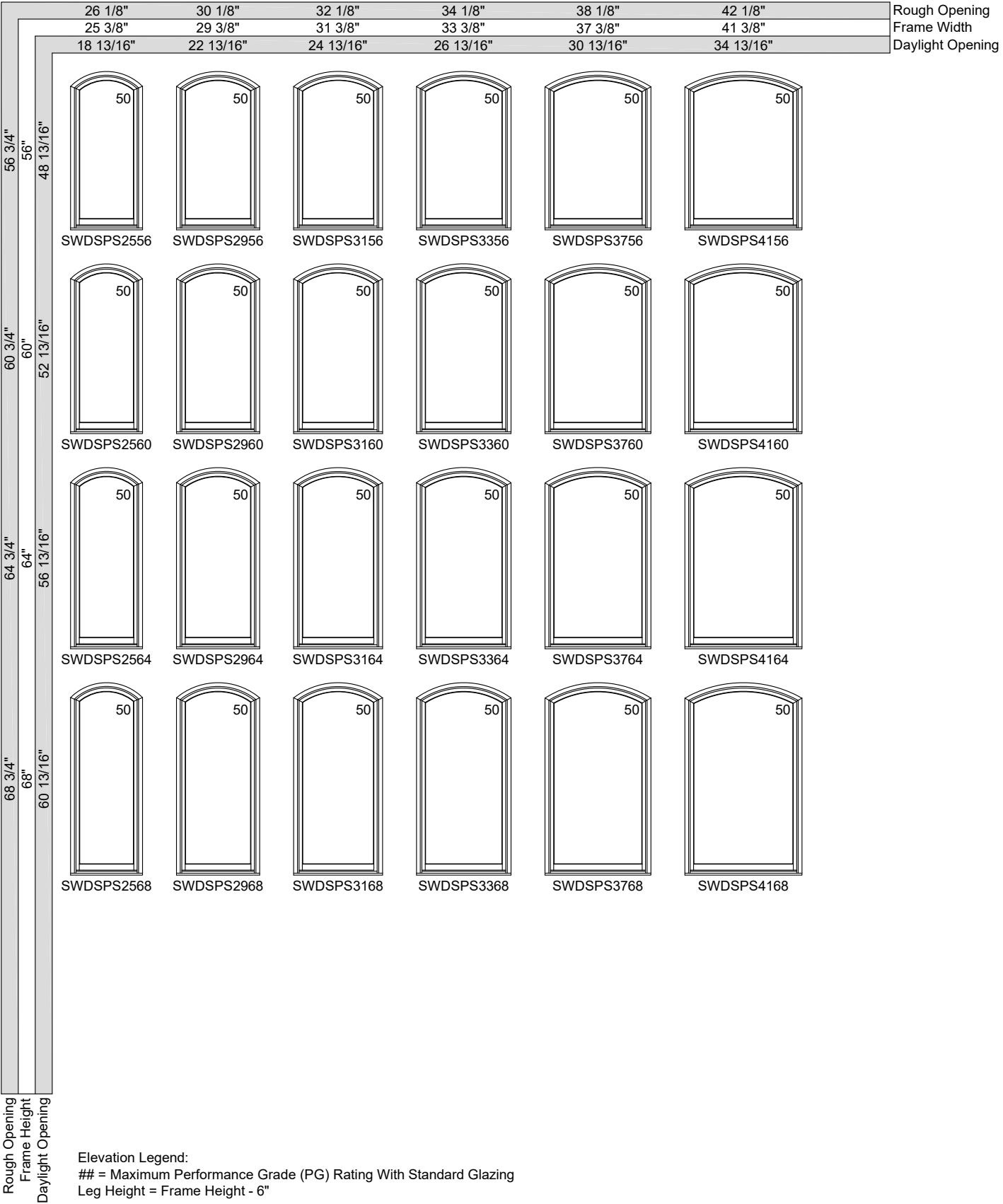
Rough Opening  
Frame Height  
Daylight Opening

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





EXTENDED CIRCLE SEGMENT FIXED UNITS



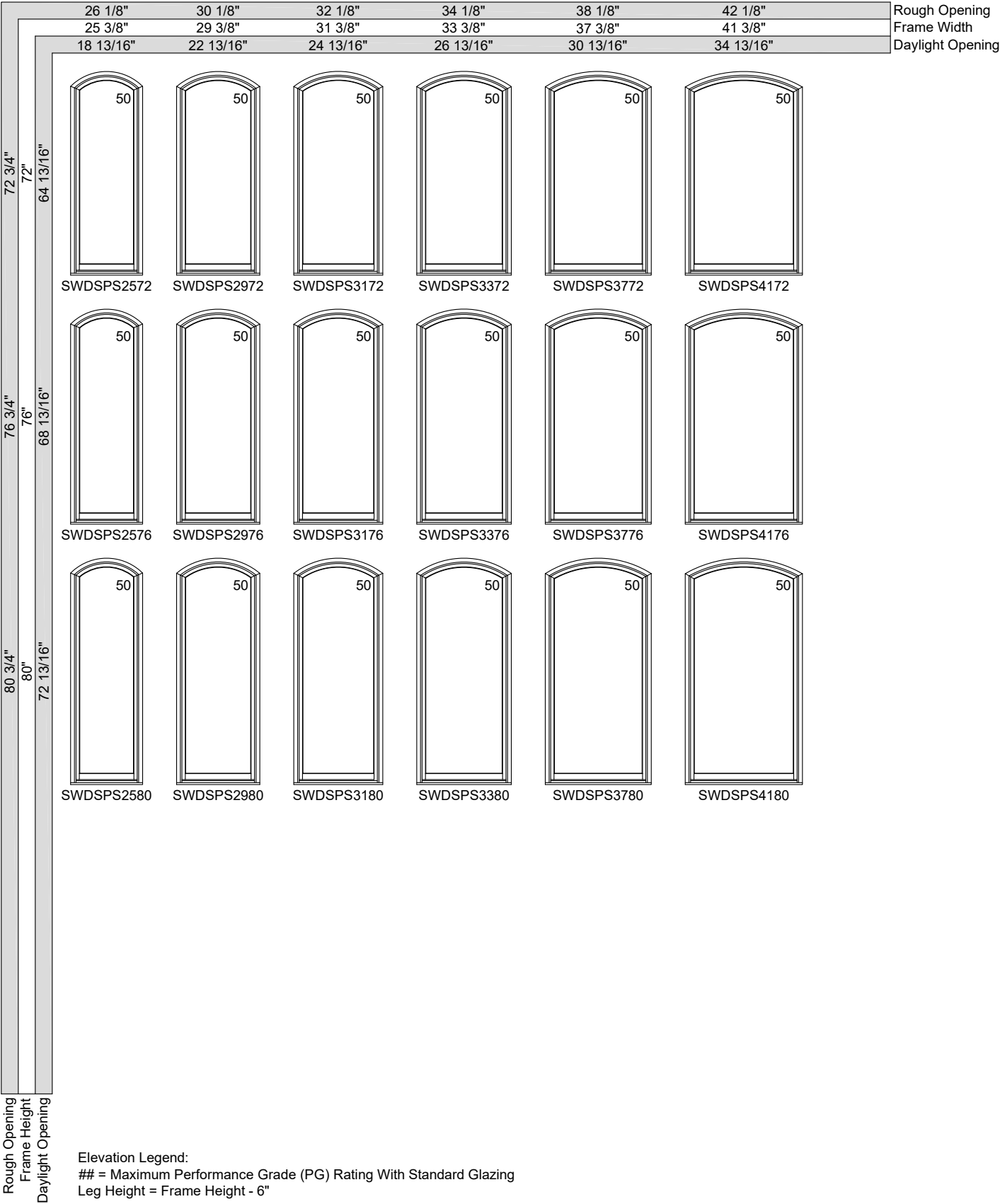
Elevation Legend:

## = Maximum Performance Grade (PG) Rating With Standard Glazing

Leg Height = Frame Height - 6"

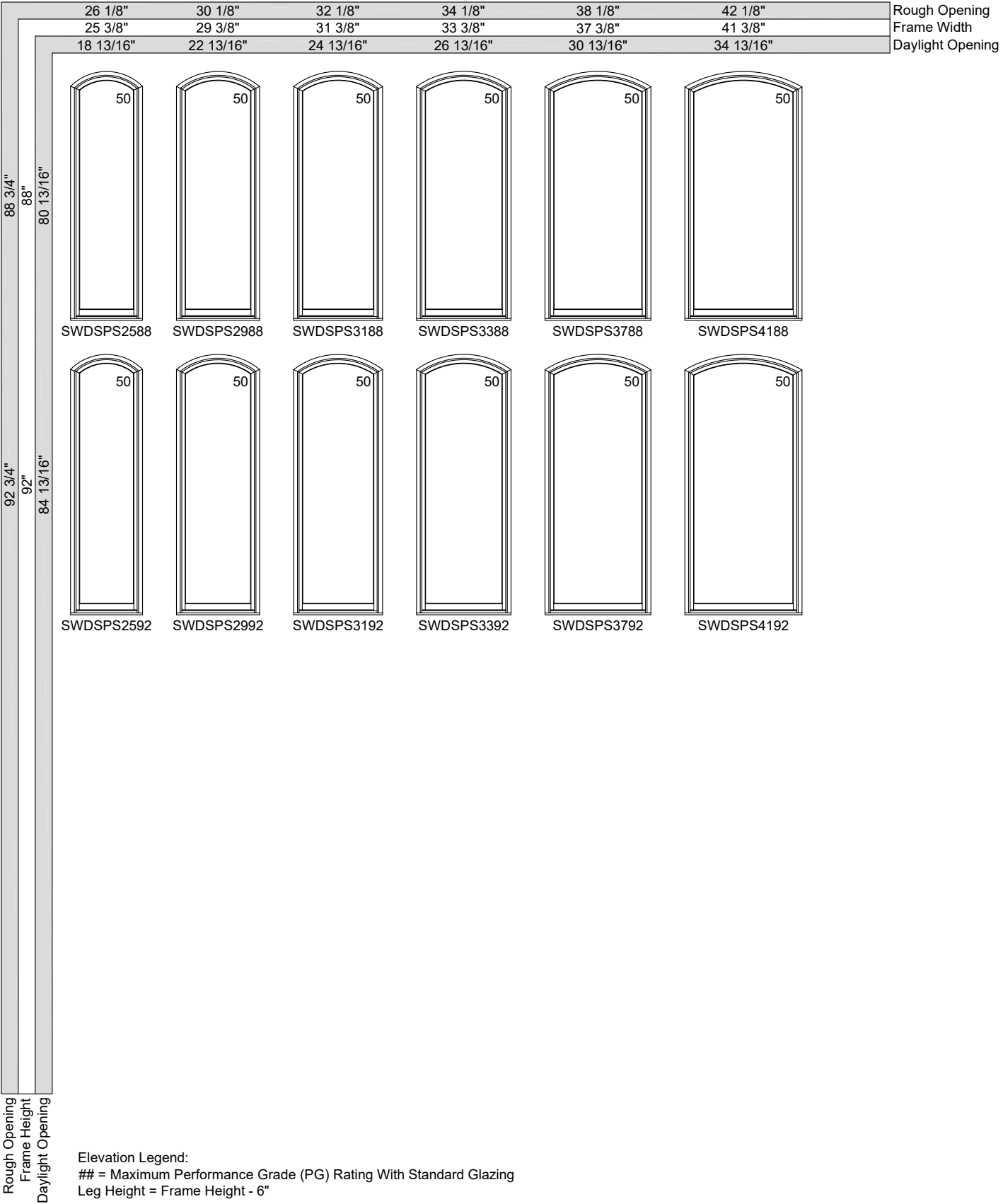


EXTENDED CIRCLE SEGMENT FIXED UNITS



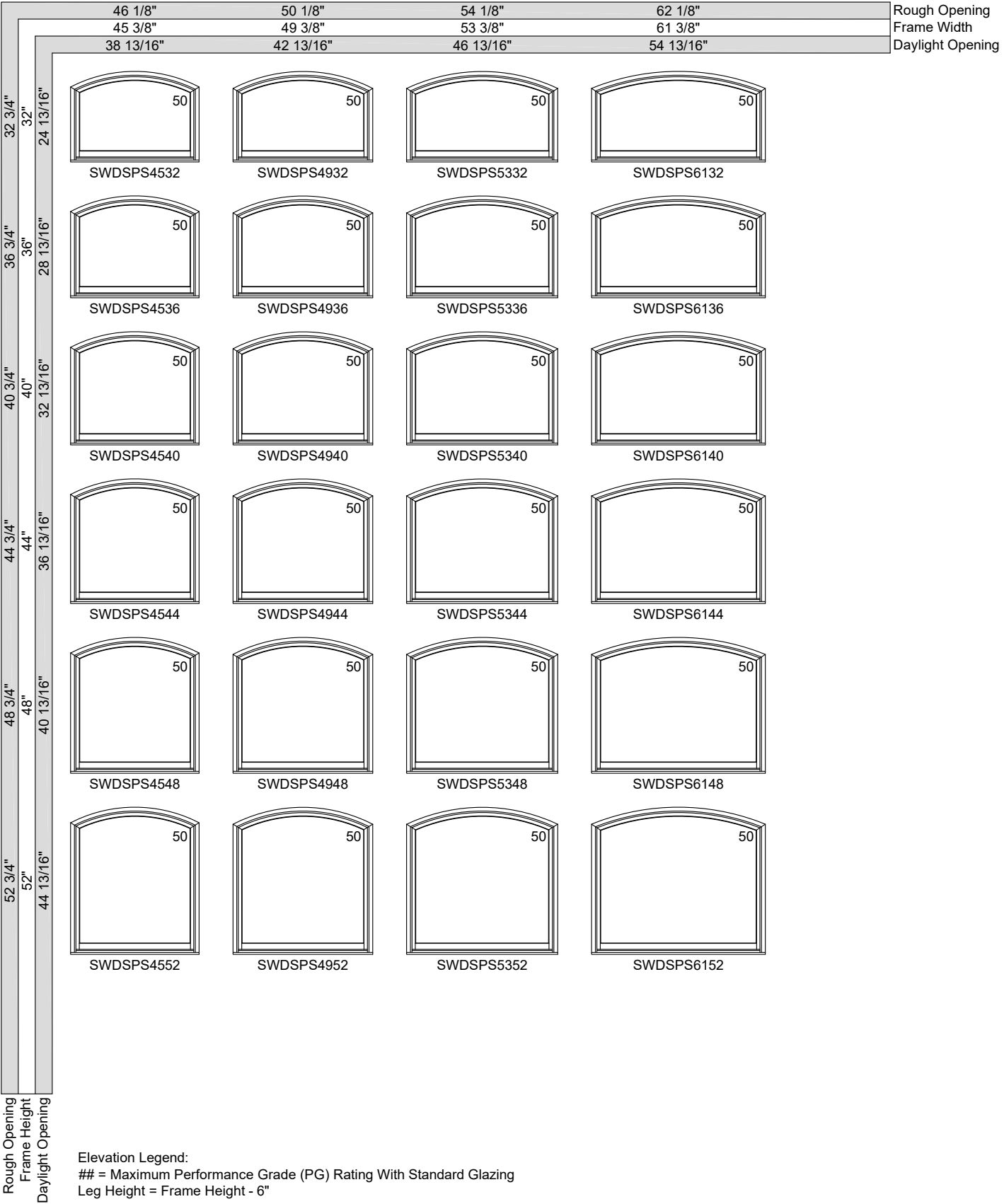


EXTENDED CIRCLE SEGMENT FIXED UNITS



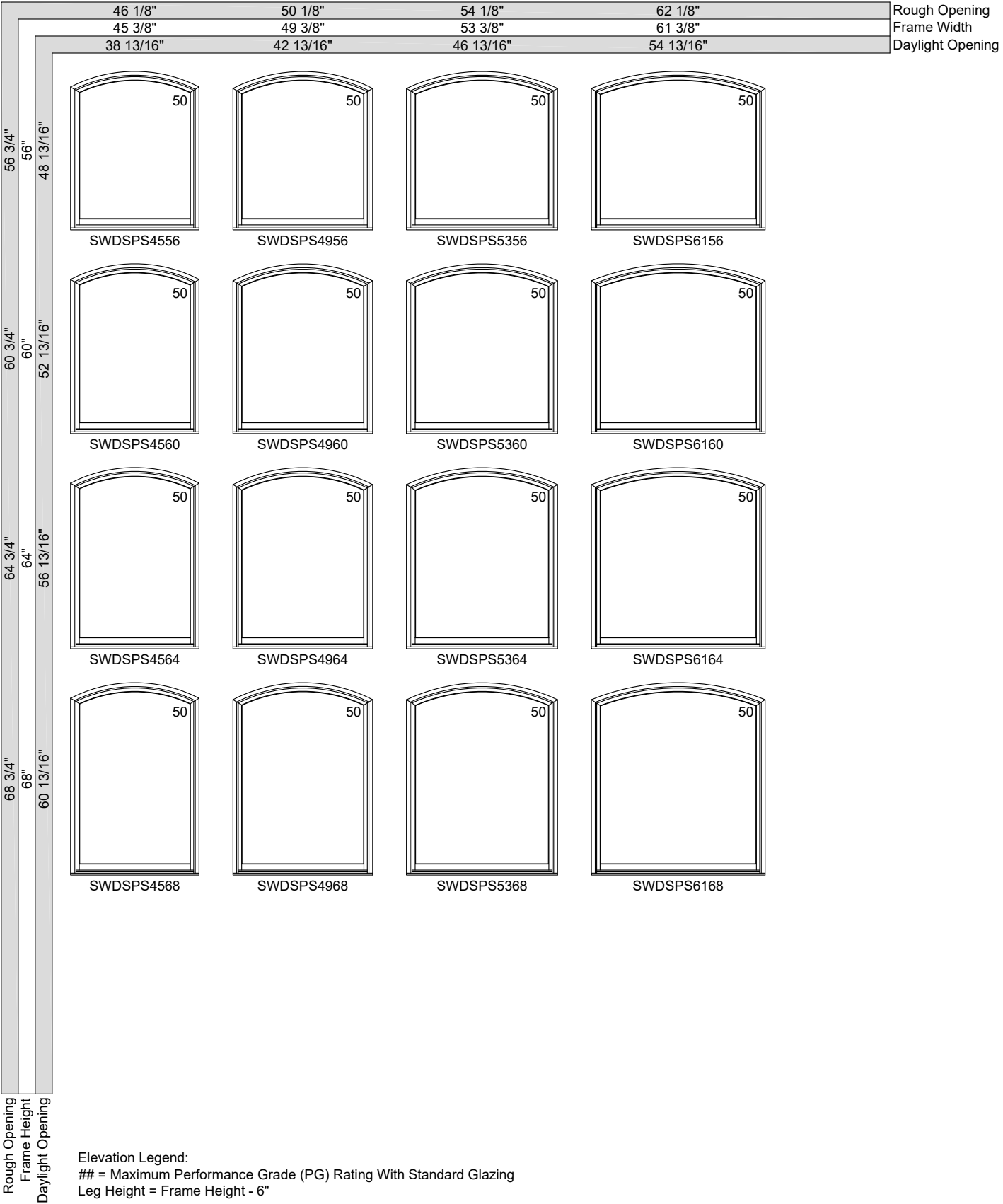


EXTENDED CIRCLE SEGMENT FIXED UNITS





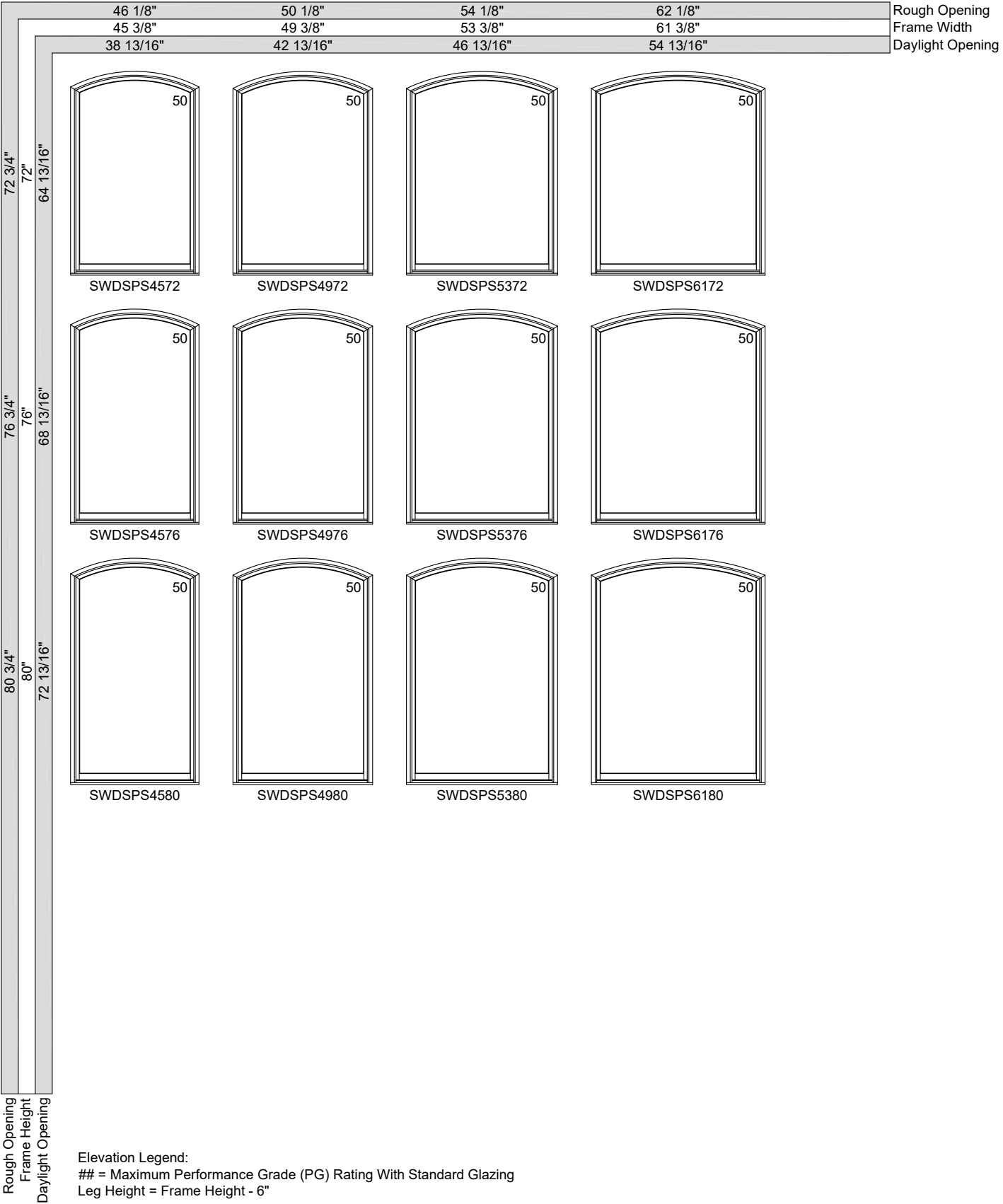
EXTENDED CIRCLE SEGMENT FIXED UNITS



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



EXTENDED CIRCLE SEGMENT FIXED UNITS



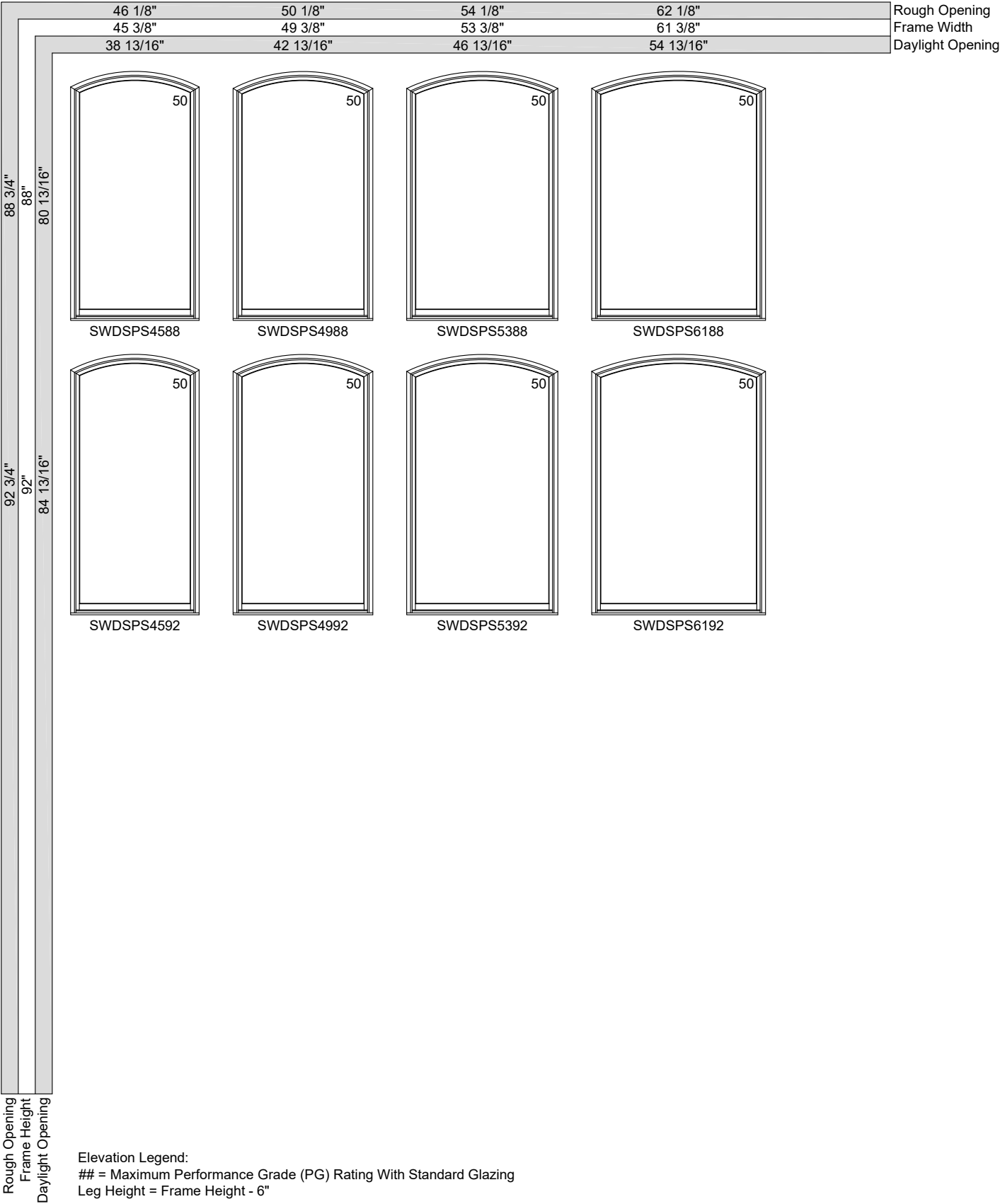
Rough Opening

Frame Height

Daylight Opening

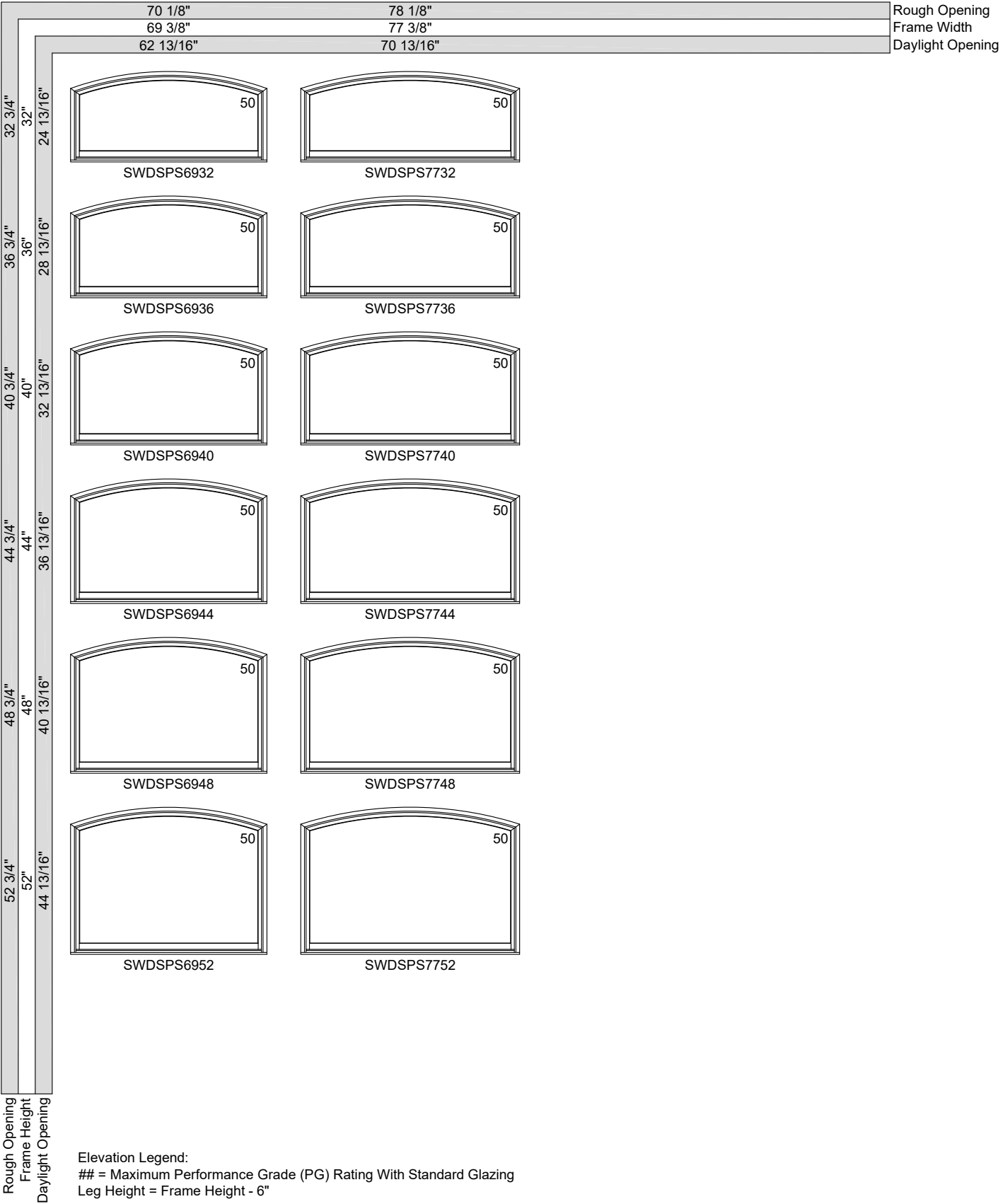


EXTENDED CIRCLE SEGMENT FIXED UNITS





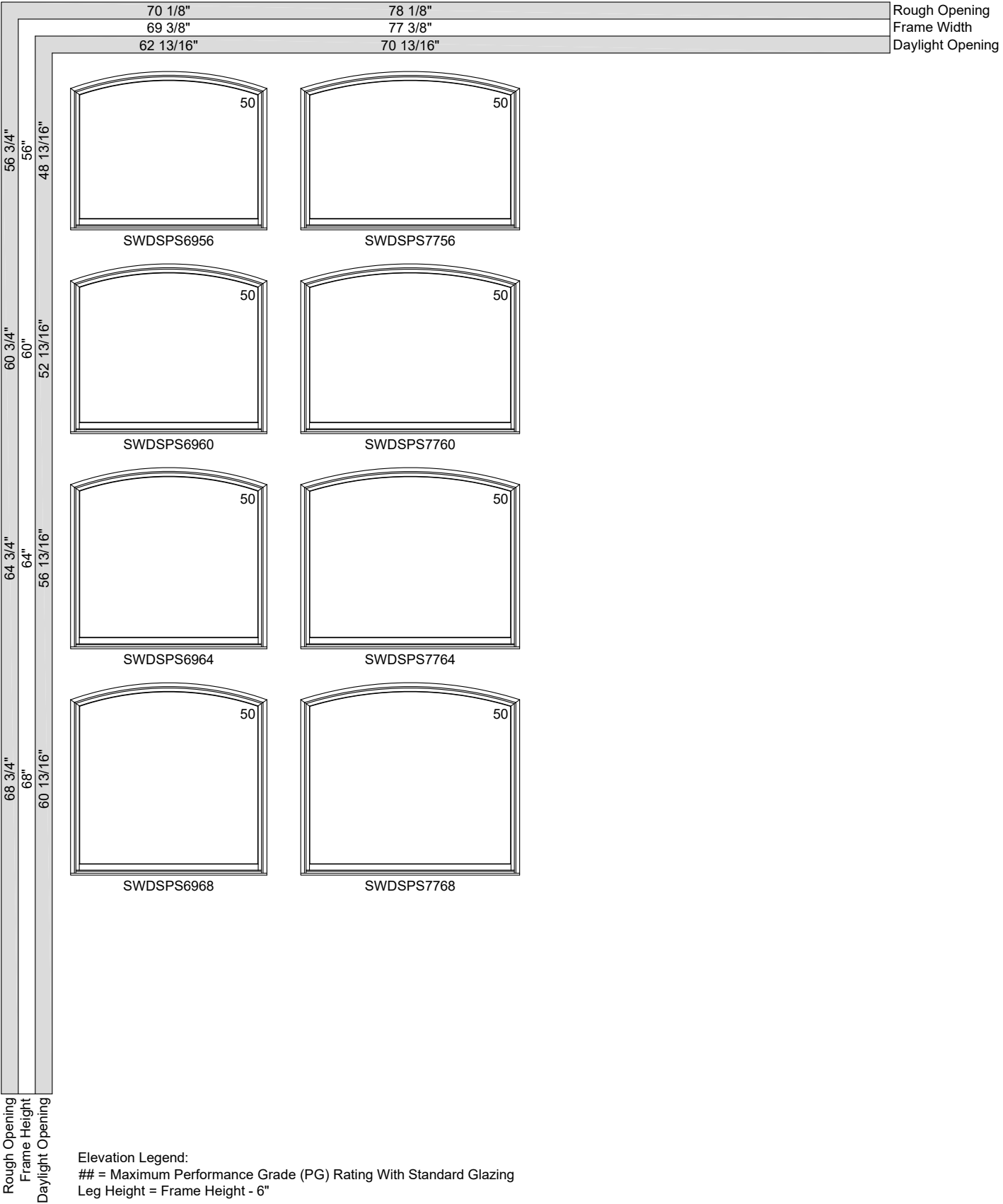
EXTENDED CIRCLE SEGMENT FIXED UNITS





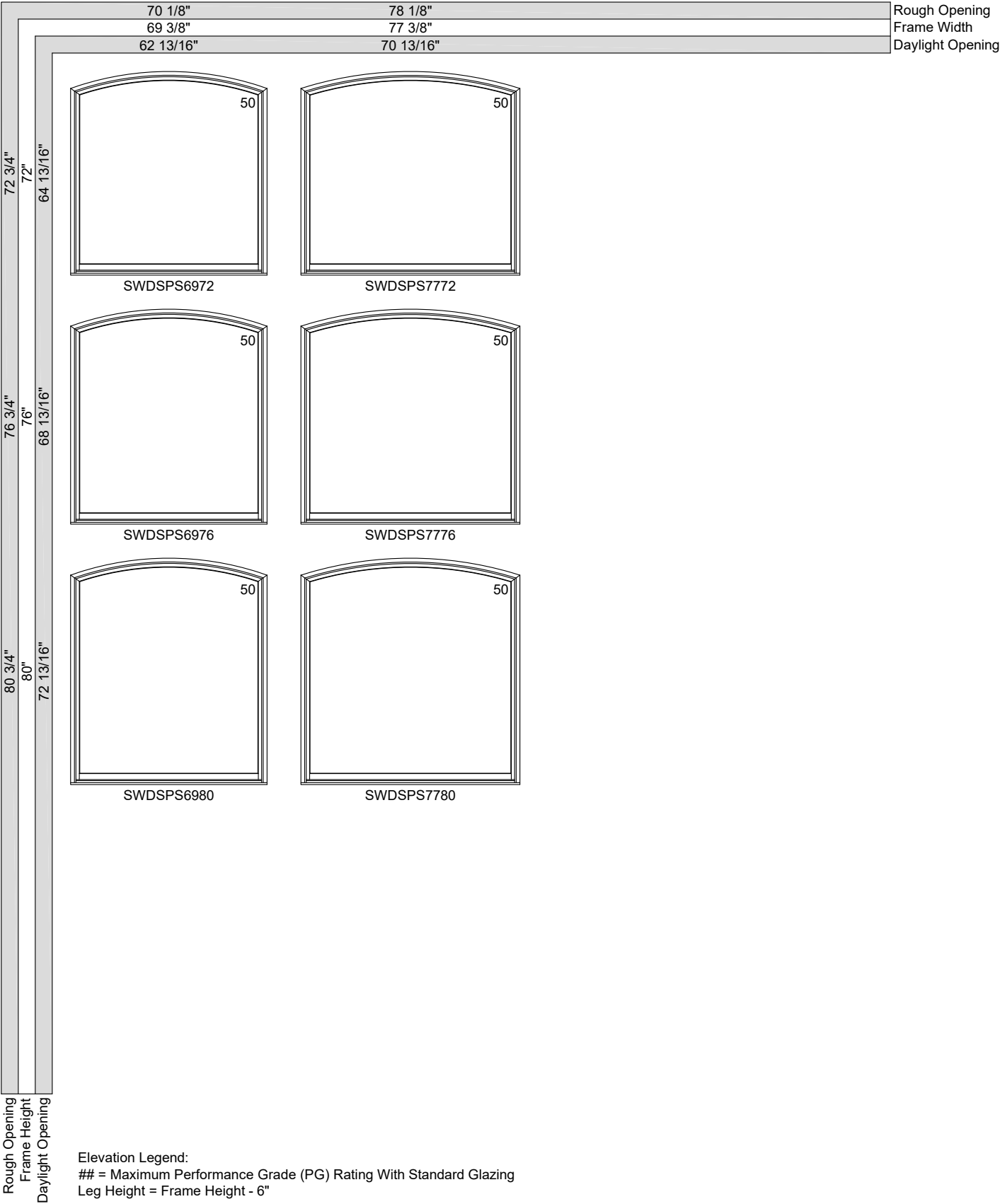


EXTENDED CIRCLE SEGMENT FIXED UNITS



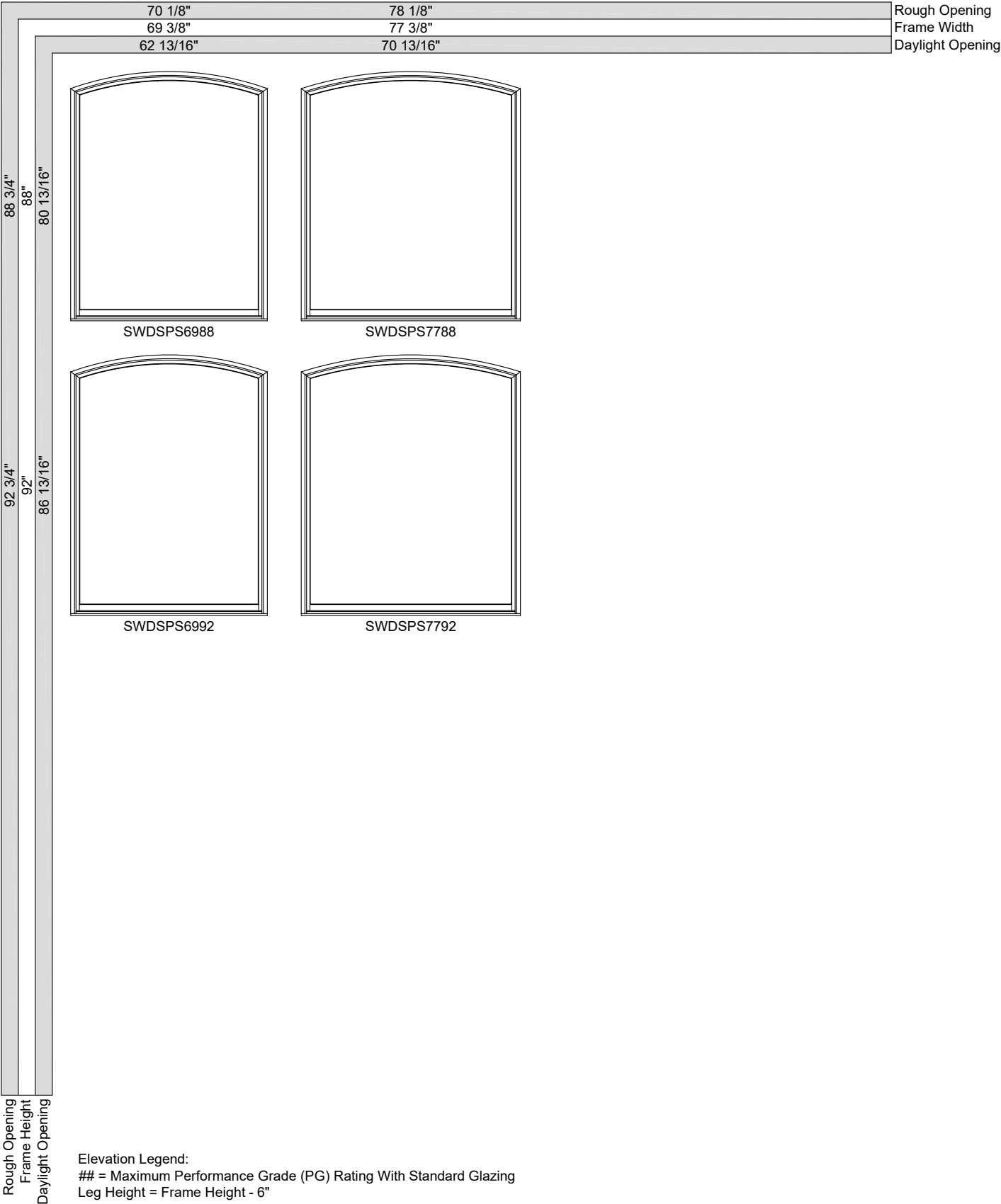


EXTENDED CIRCLE SEGMENT FIXED UNITS



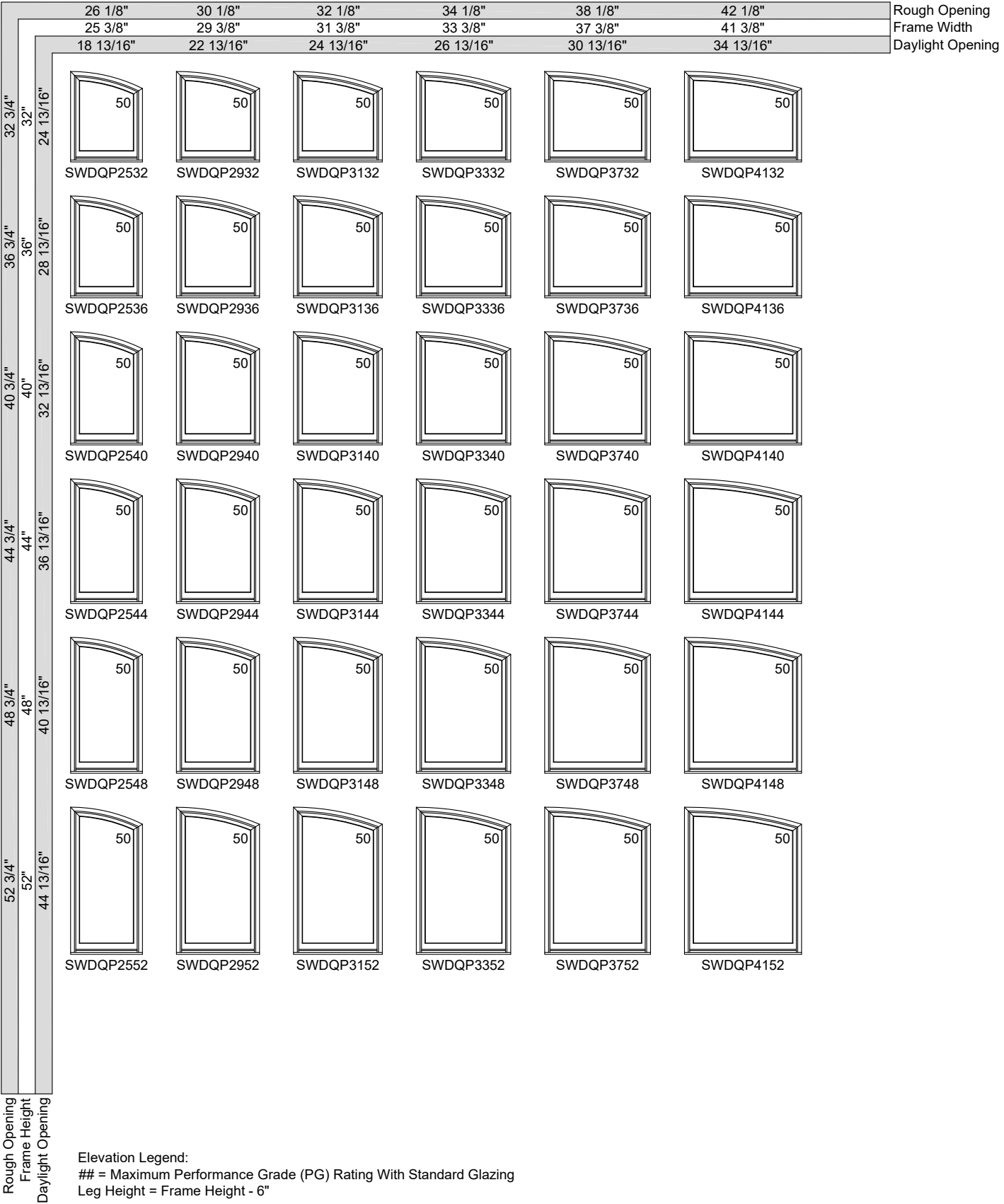


EXTENDED CIRCLE SEGMENT FIXED UNITS



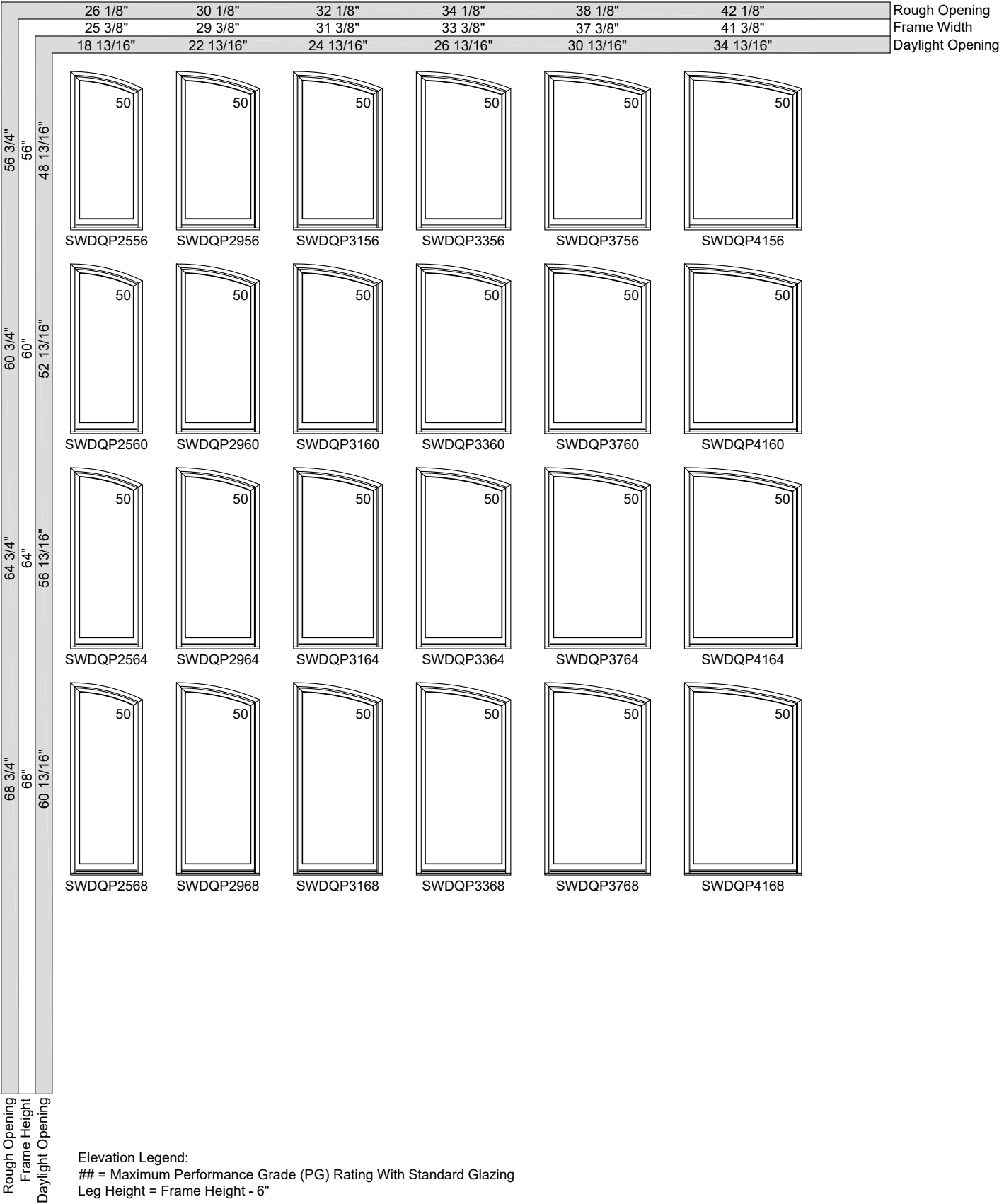


EXTENDED QUARTER SEGMENT FIXED UNITS





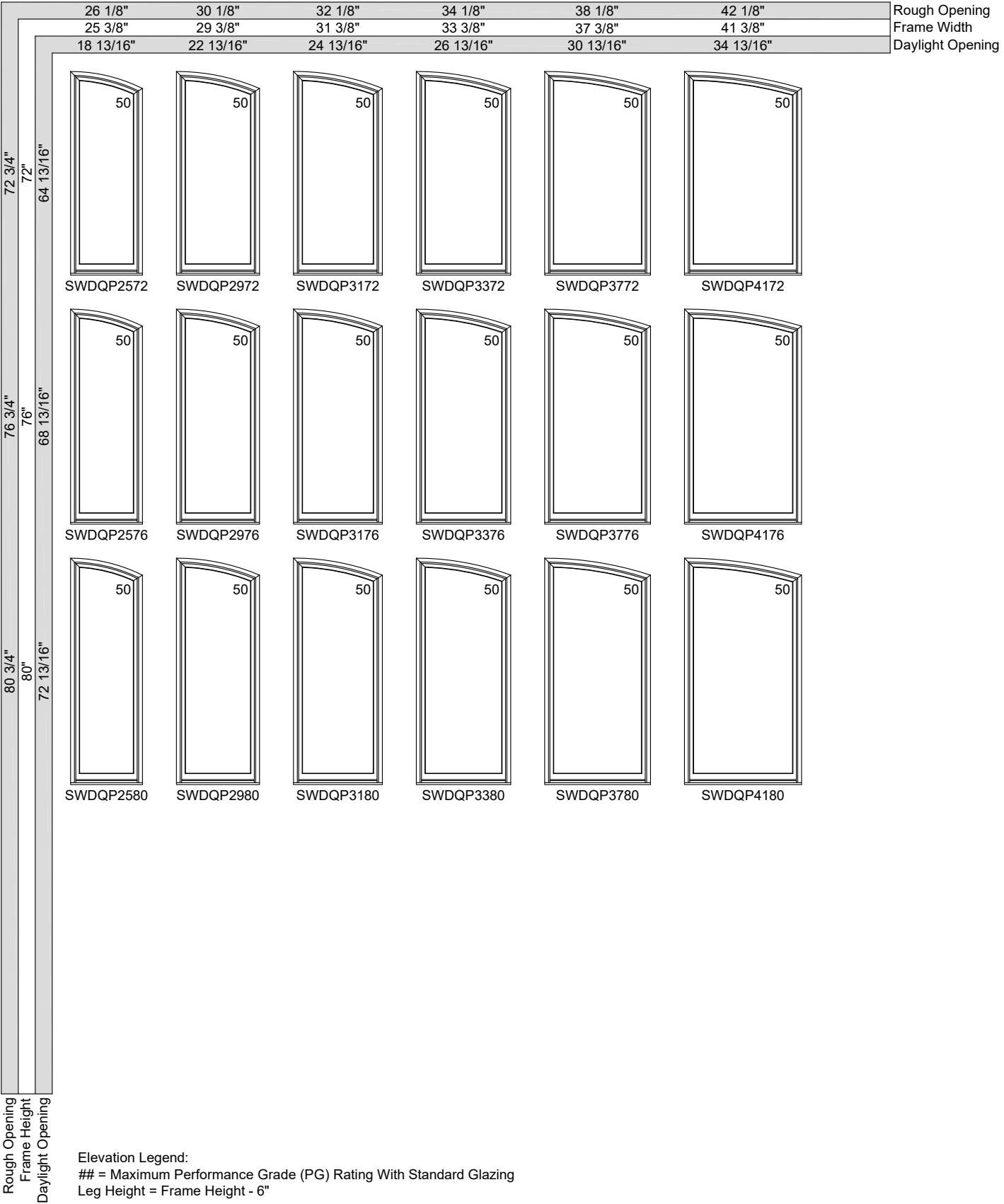
EXTENDED QUARTER SEGMENT FIXED UNITS



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

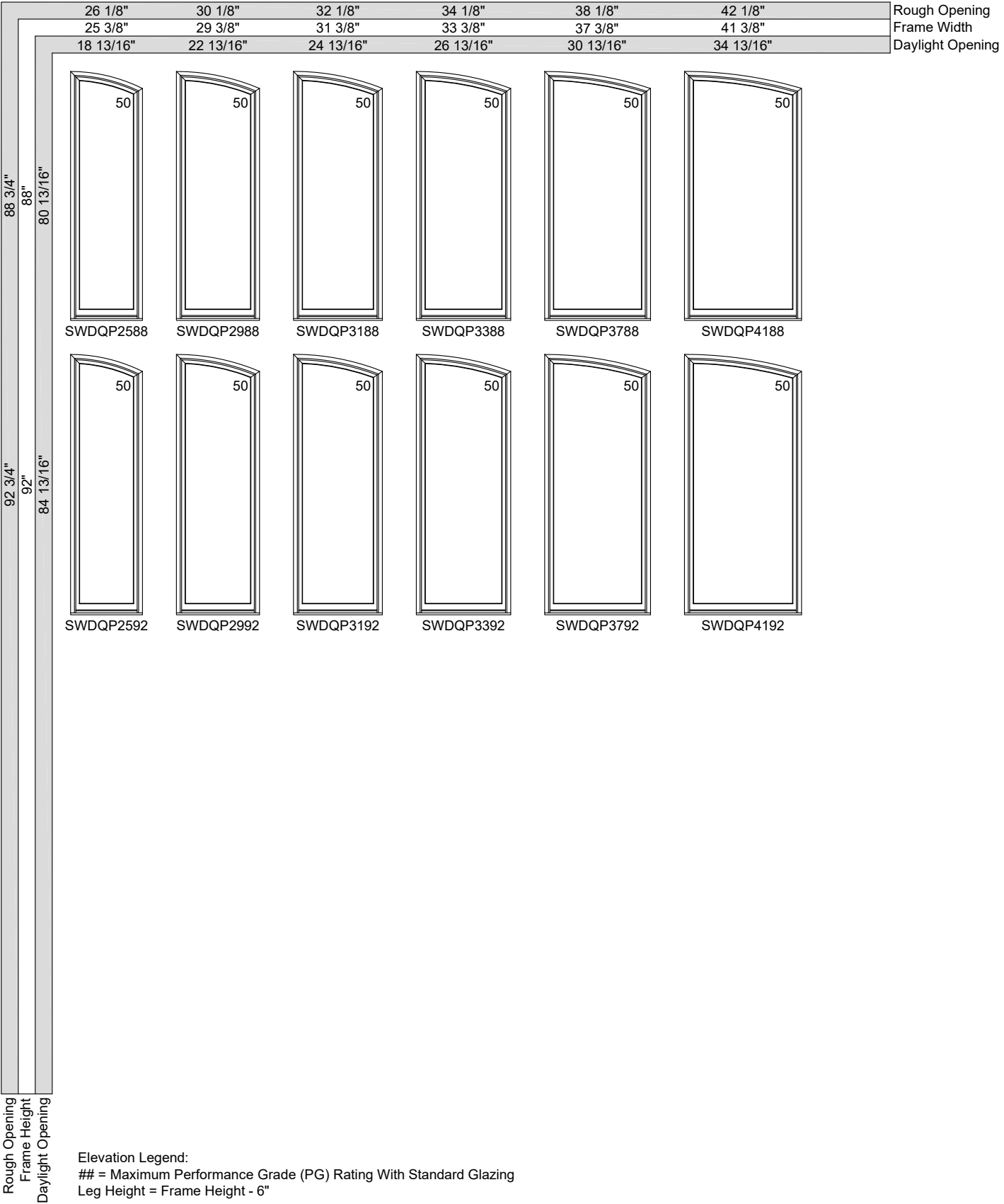


EXTENDED QUARTER SEGMENT FIXED UNITS



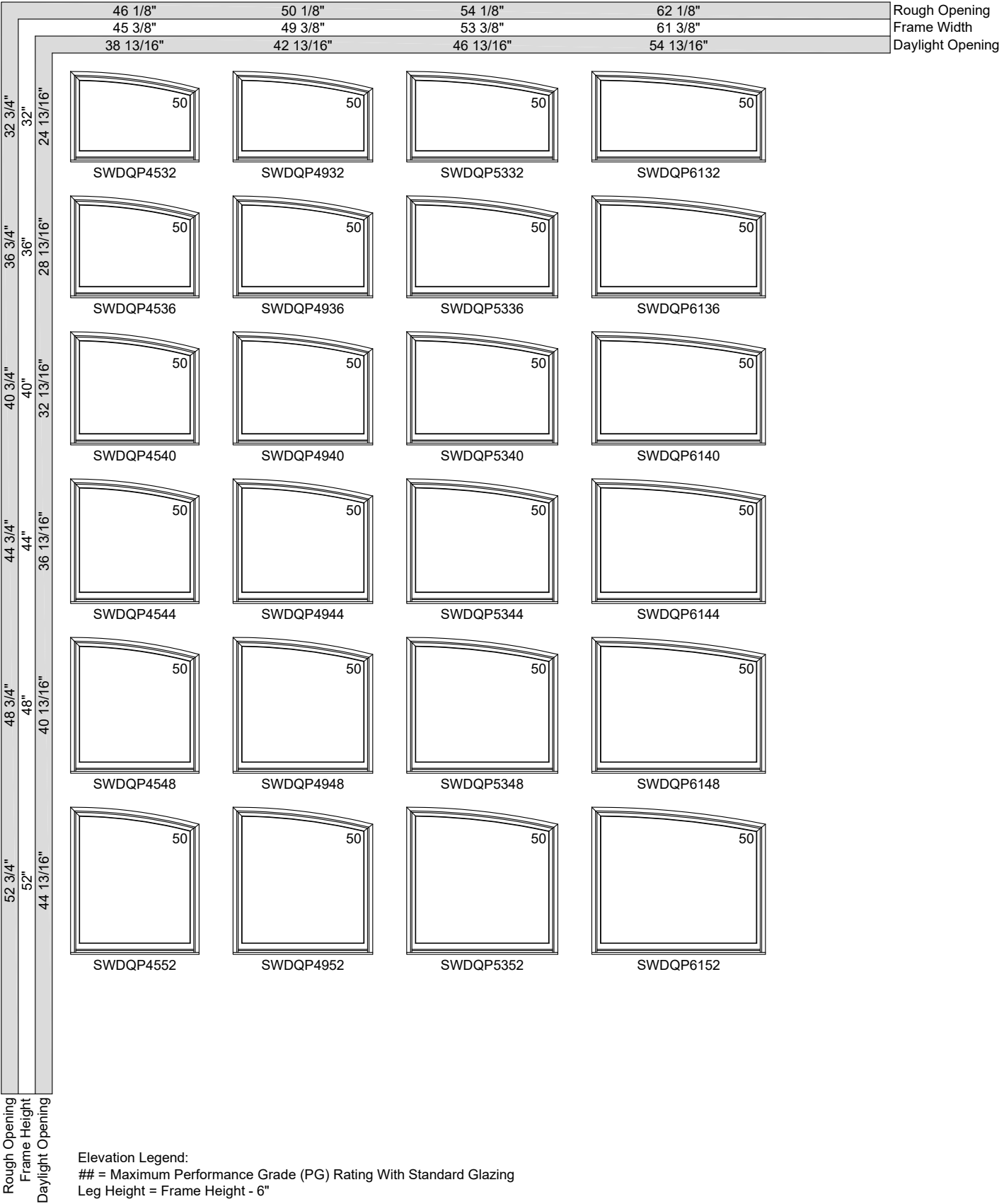


EXTENDED QUARTER SEGMENT FIXED UNITS





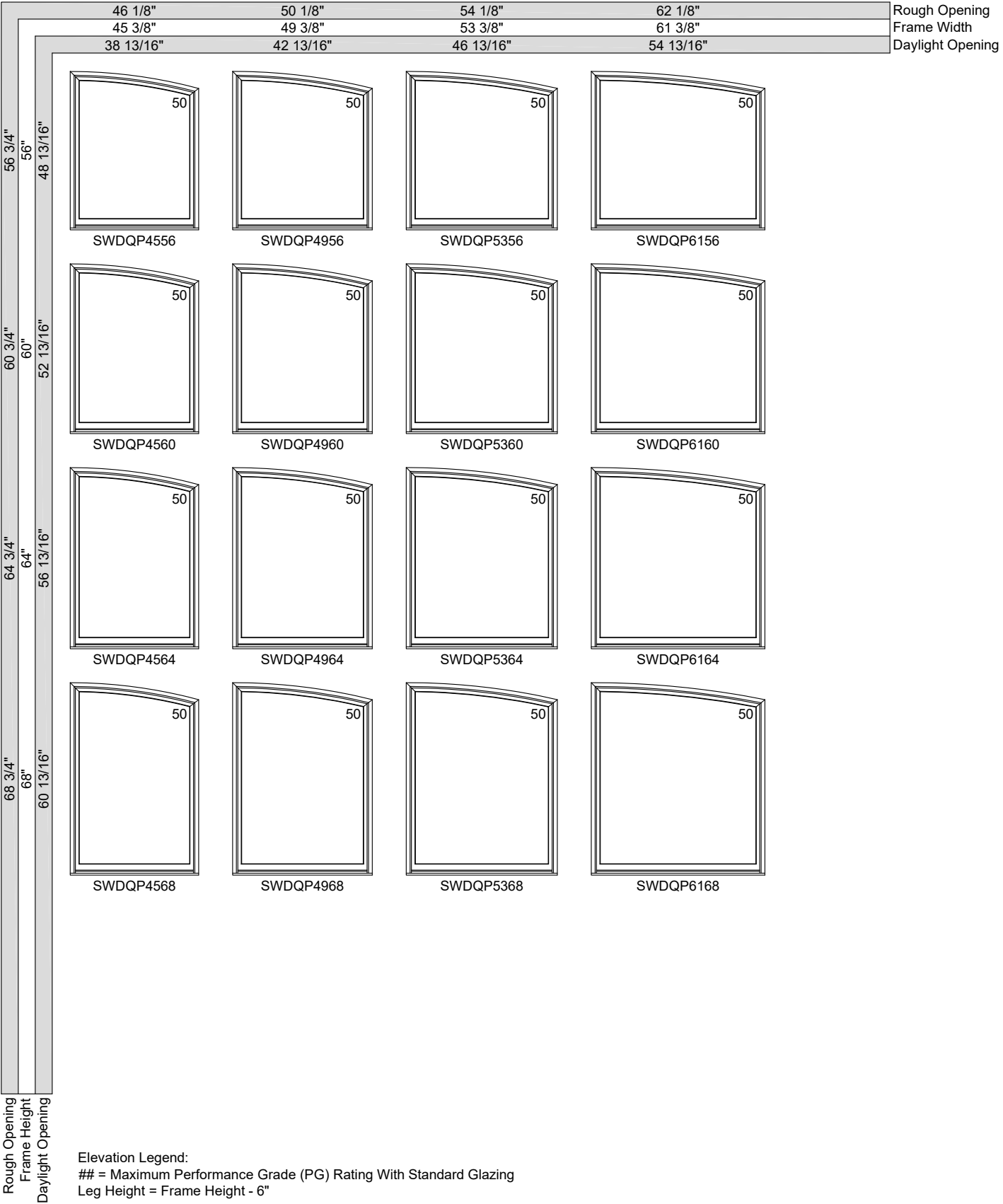
EXTENDED QUARTER SEGMENT FIXED UNITS





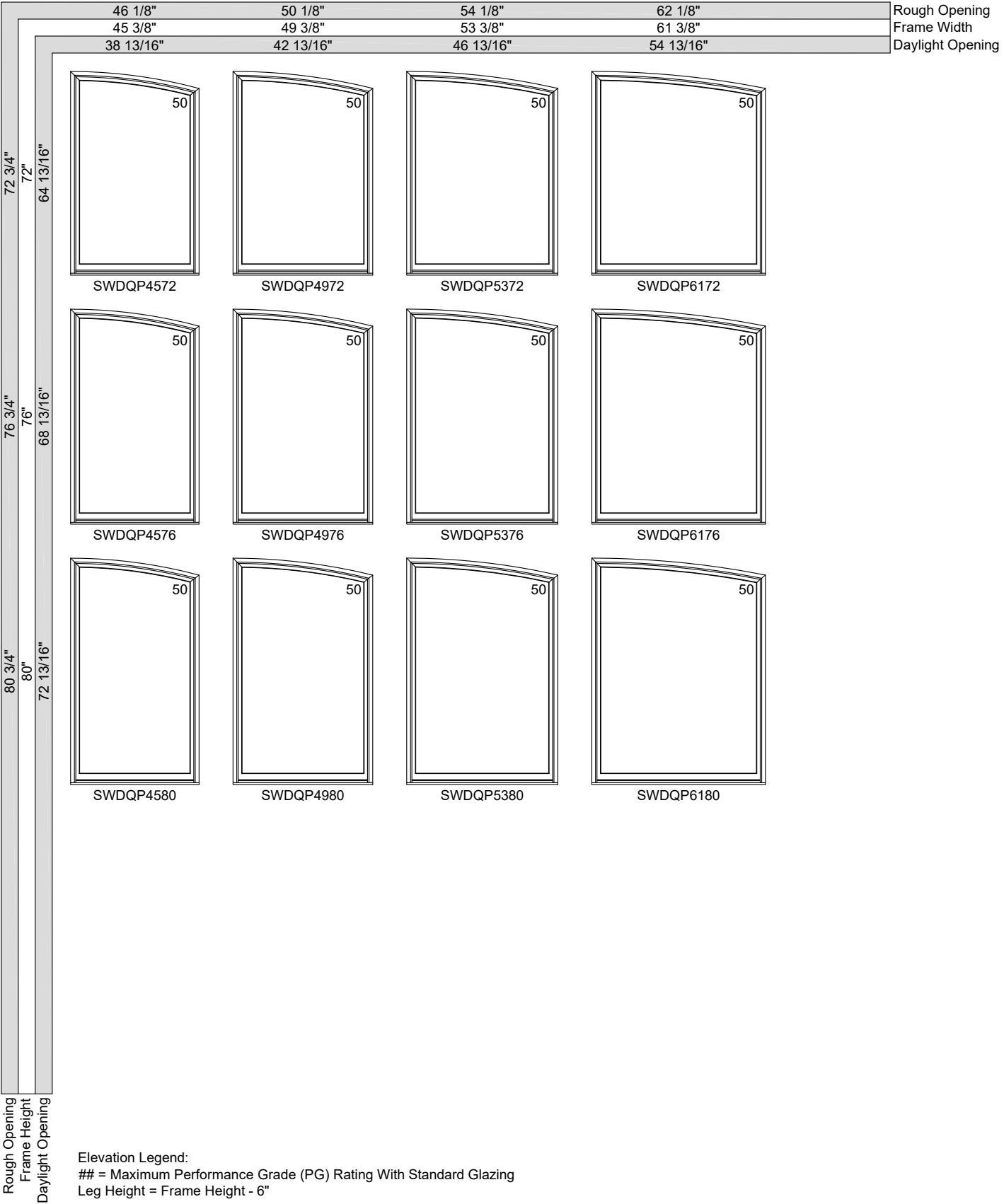


EXTENDED QUARTER SEGMENT FIXED UNITS





EXTENDED QUARTER SEGMENT FIXED UNITS



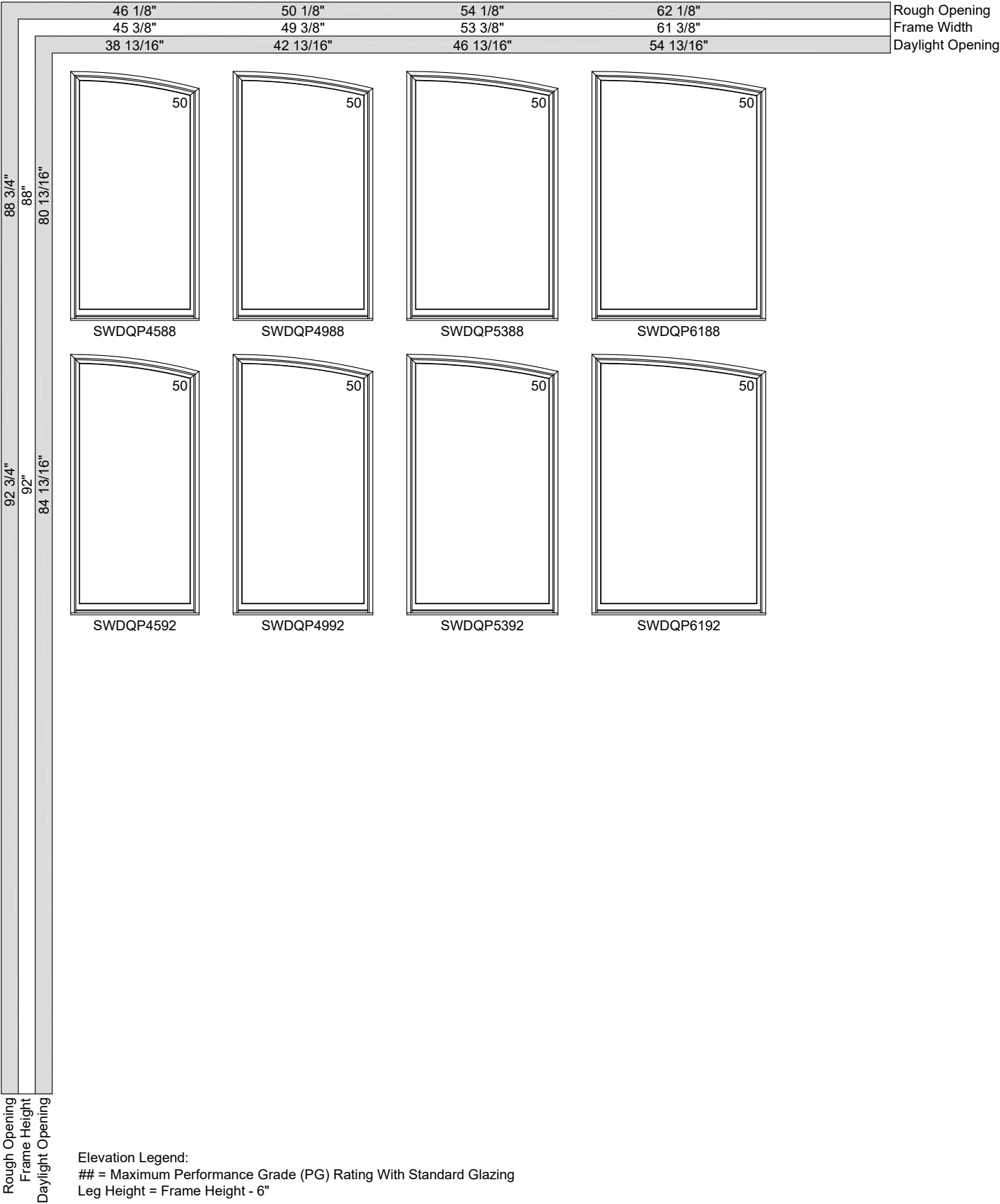
Scale: 1/4" = 1'-0"

Product specifications may change without notice.

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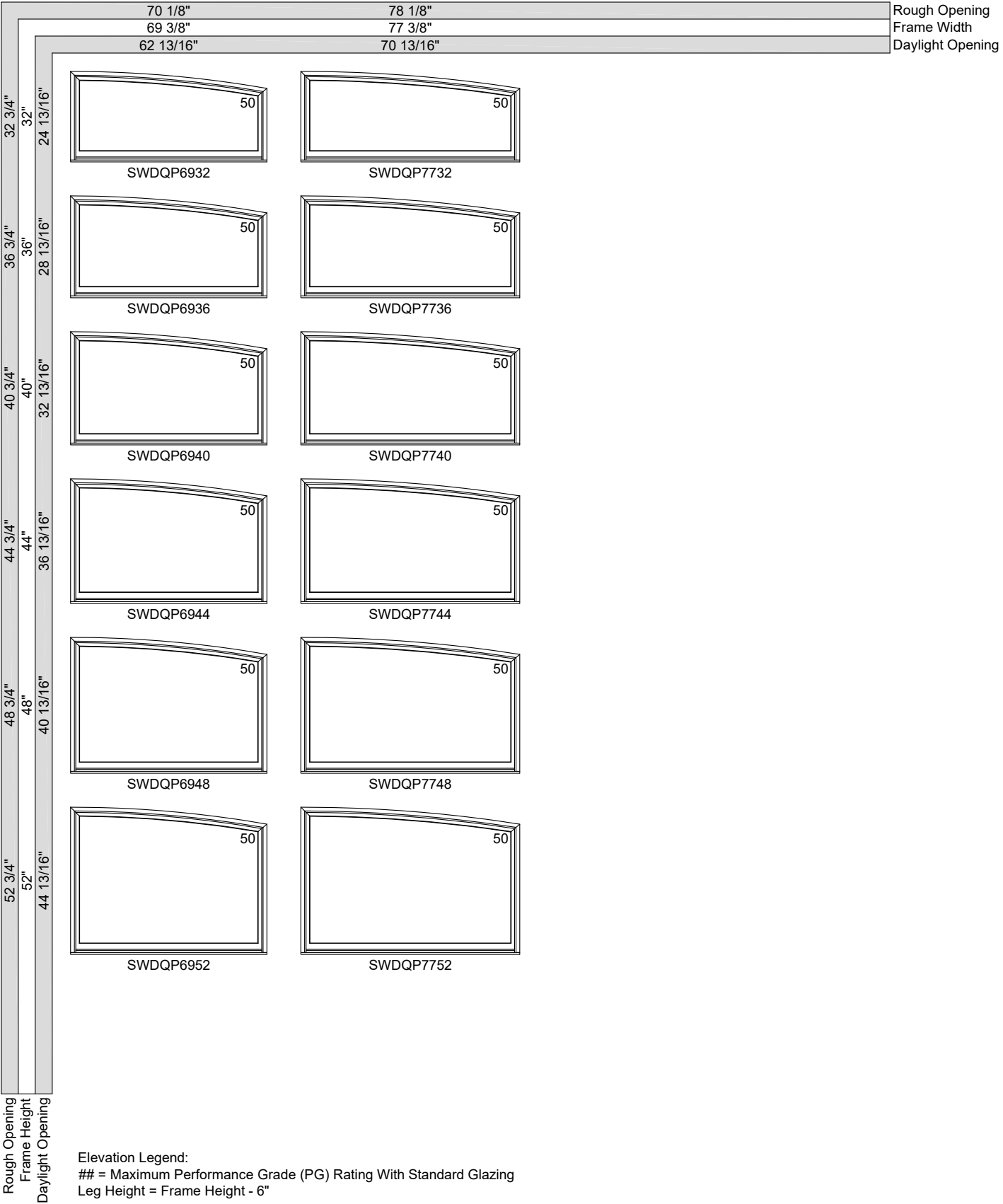


EXTENDED QUARTER SEGMENT FIXED UNITS



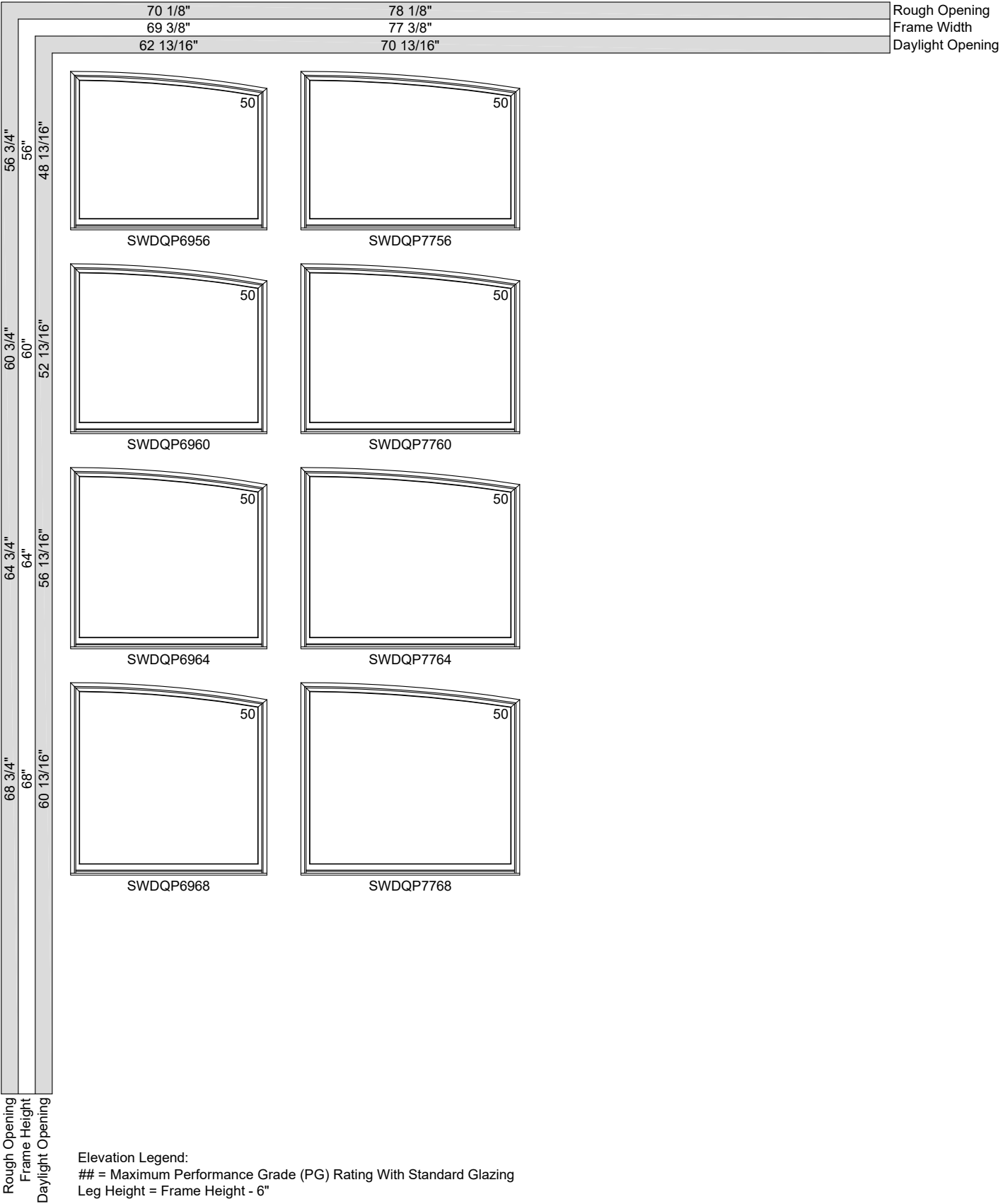


EXTENDED QUARTER SEGMENT FIXED UNITS



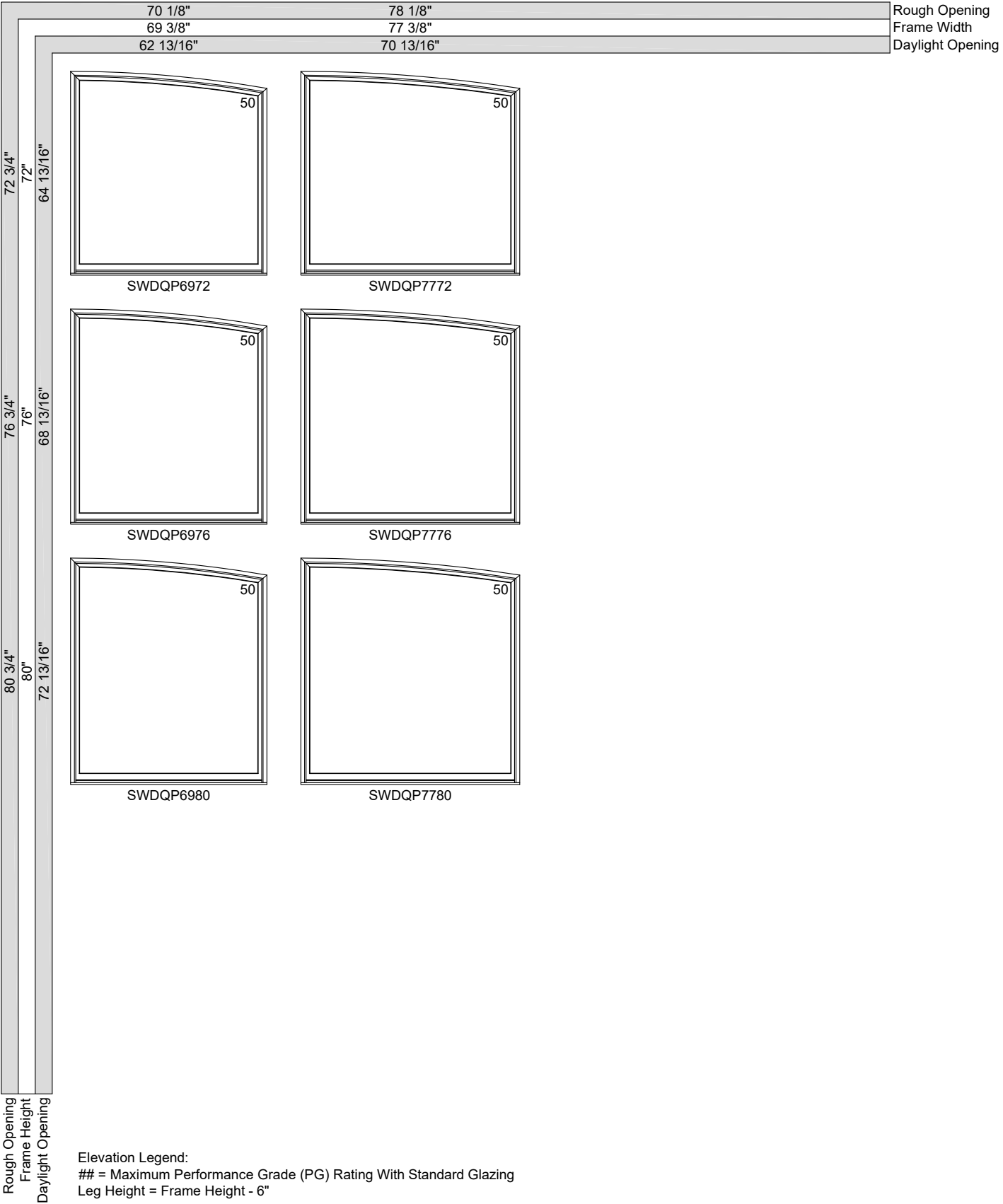


EXTENDED HALF ROUND FIXED UNITS



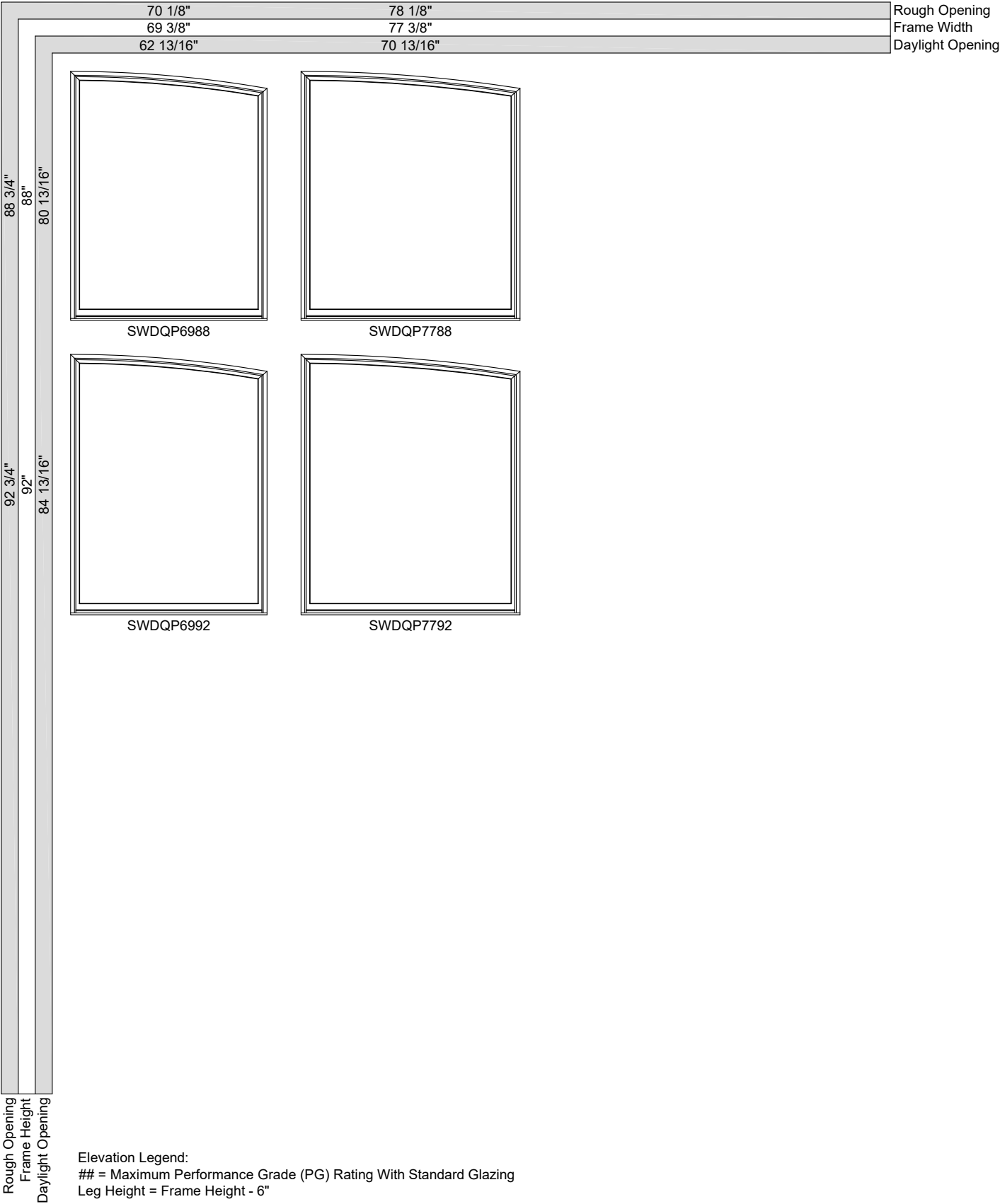


EXTENDED HALF ROUND FIXED UNITS



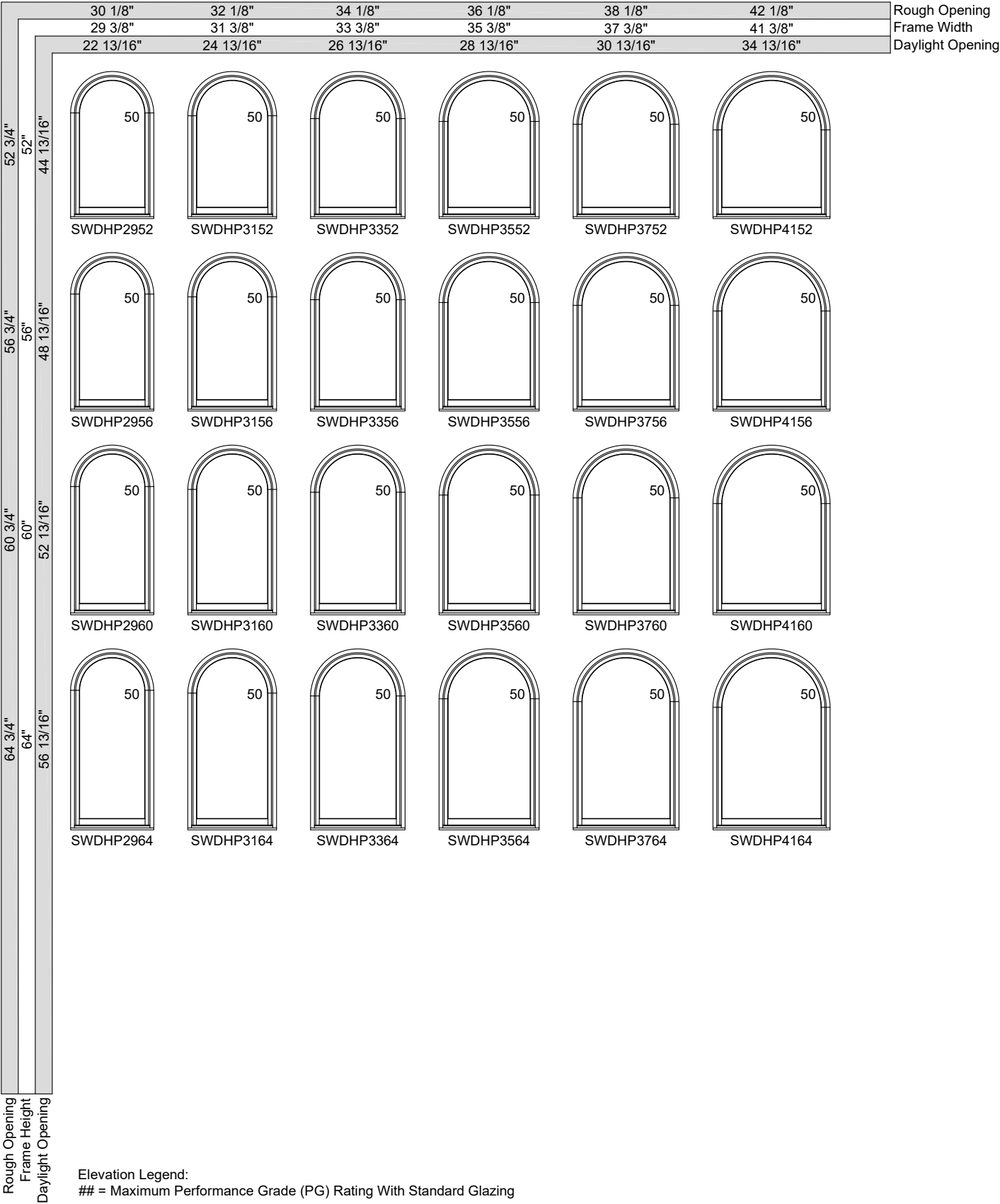


EXTENDED HALF ROUND FIXED UNITS





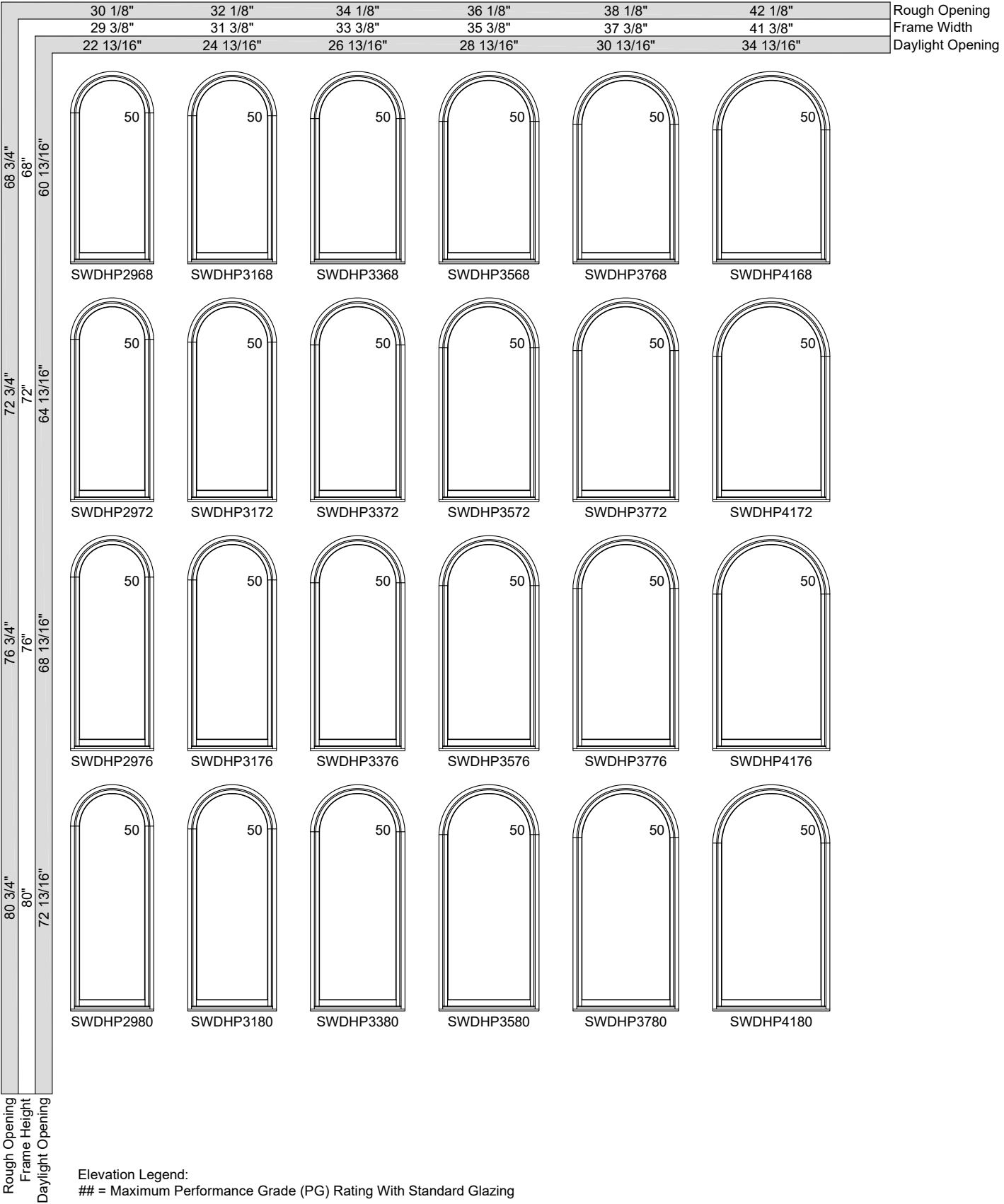
EXTENDED HALF ROUND FIXED UNITS





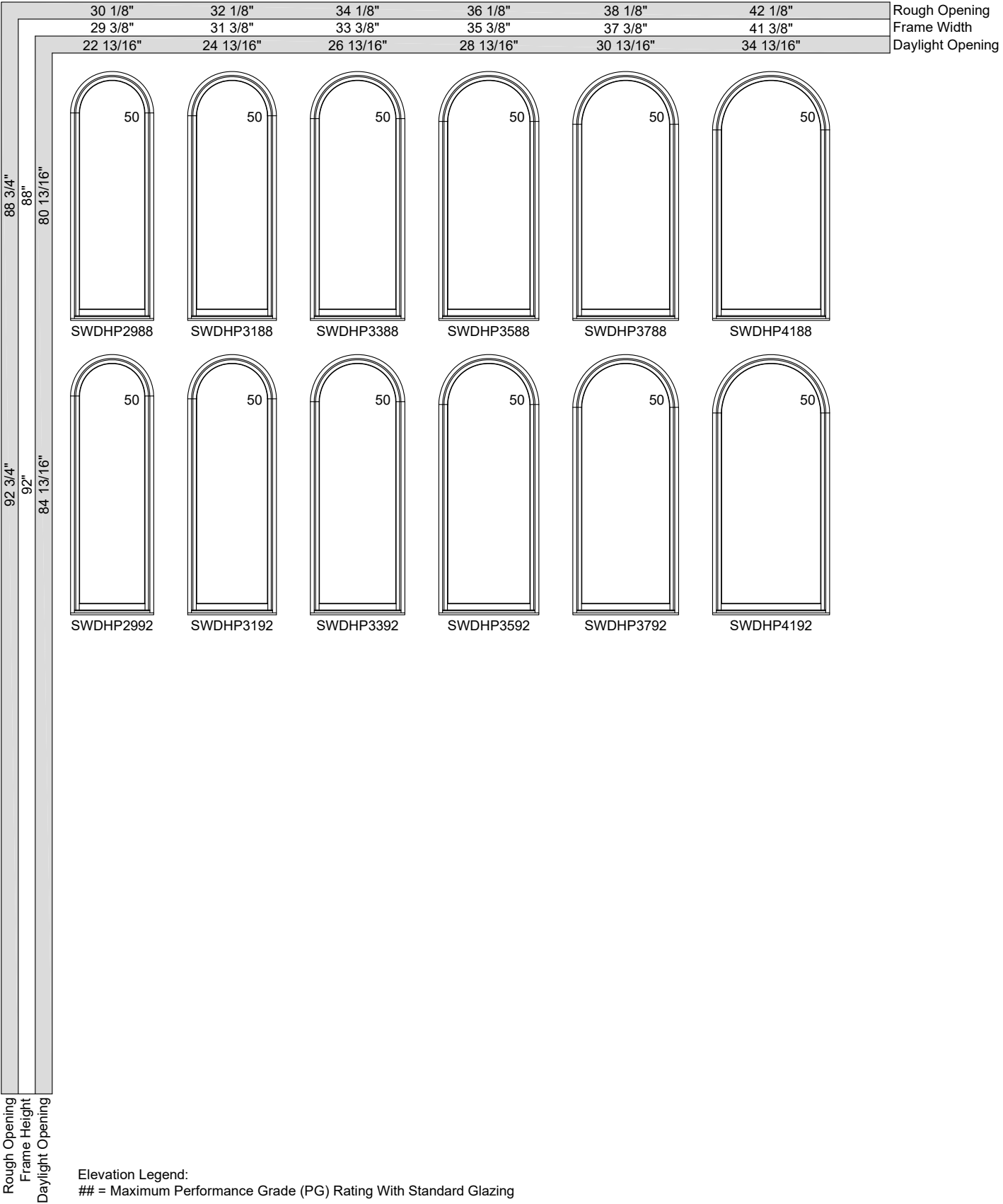


EXTENDED HALF ROUND FIXED UNITS



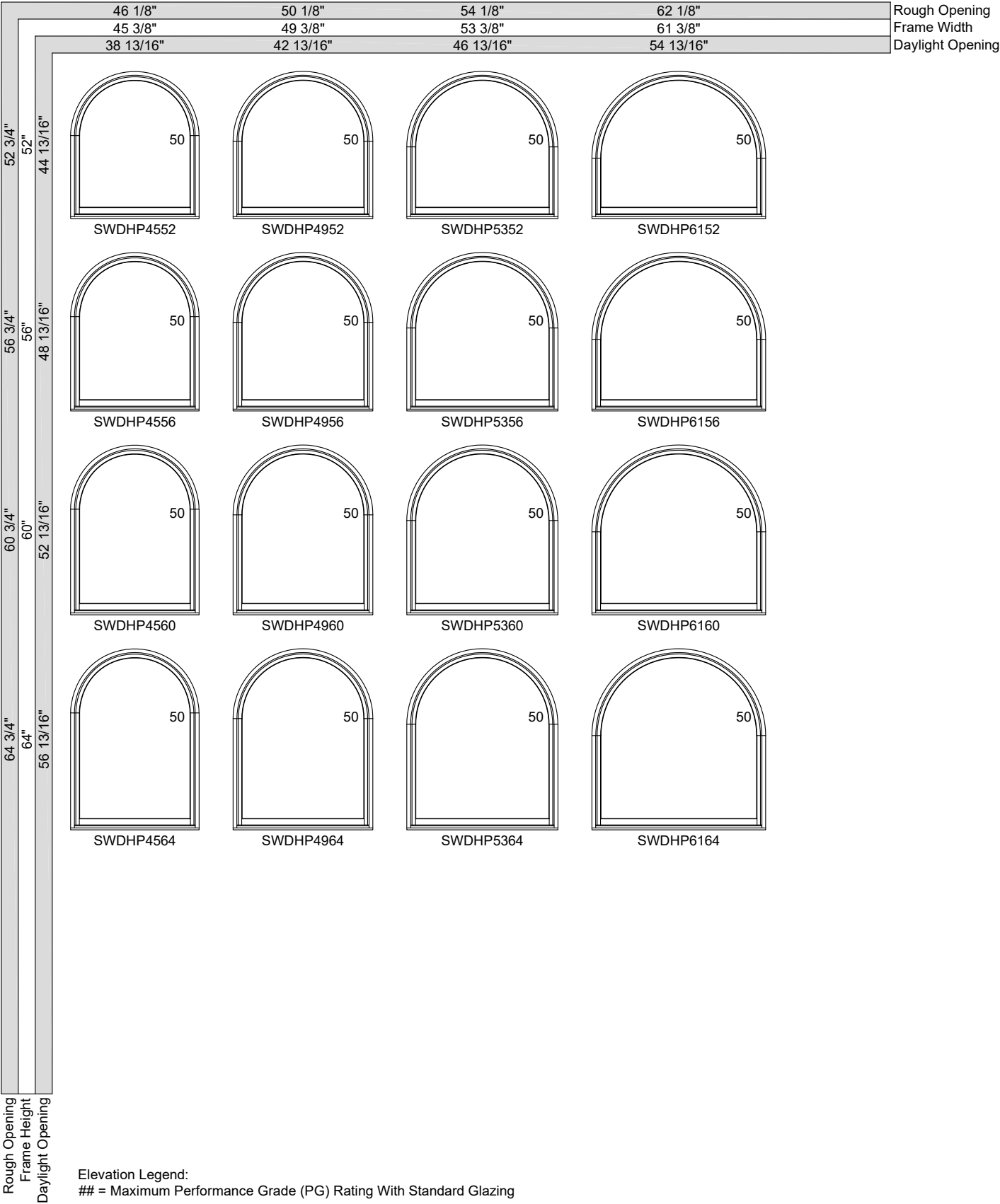


EXTENDED HALF ROUND FIXED UNITS



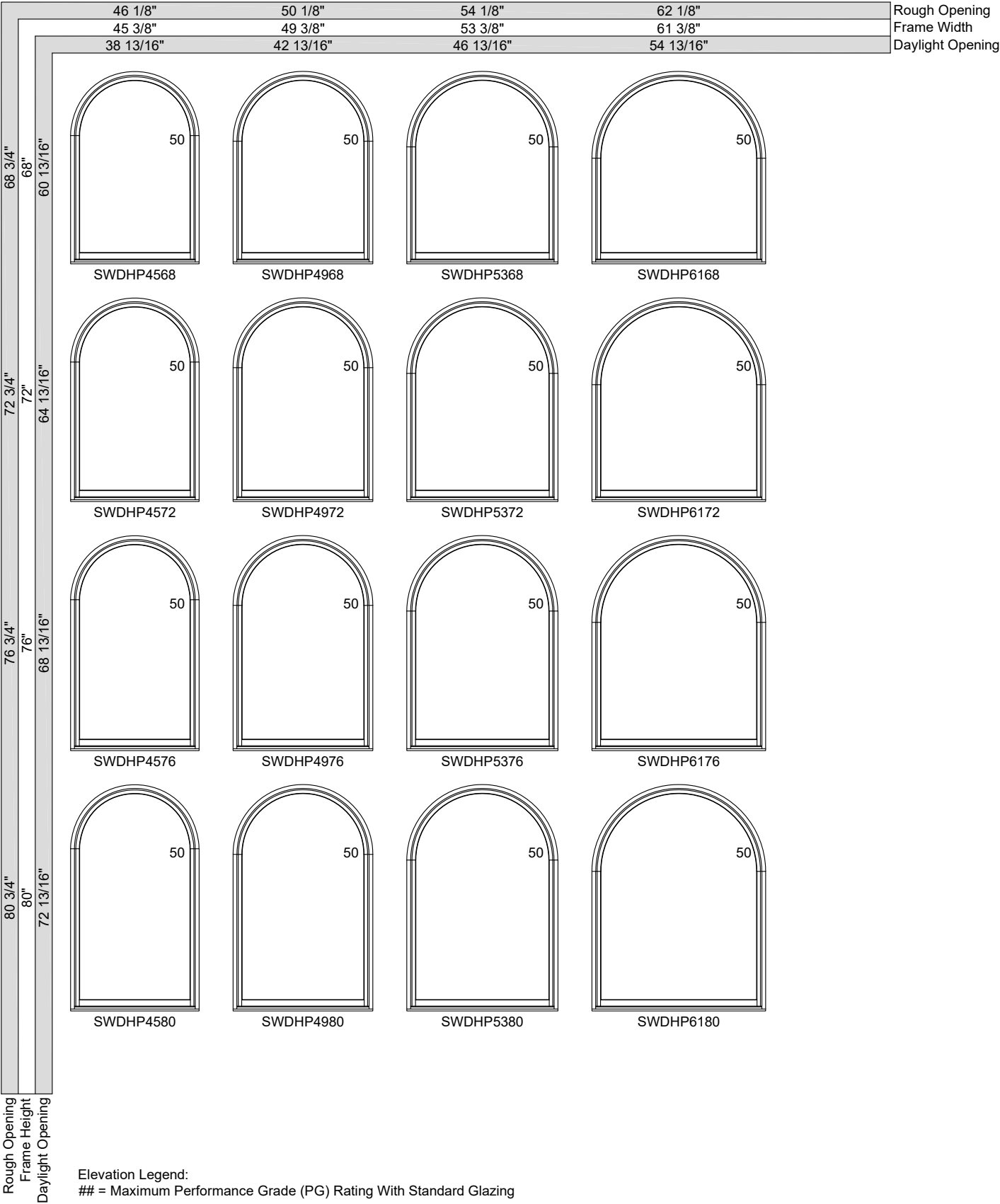


EXTENDED HALF ROUND FIXED UNITS





EXTENDED HALF ROUND FIXED UNITS



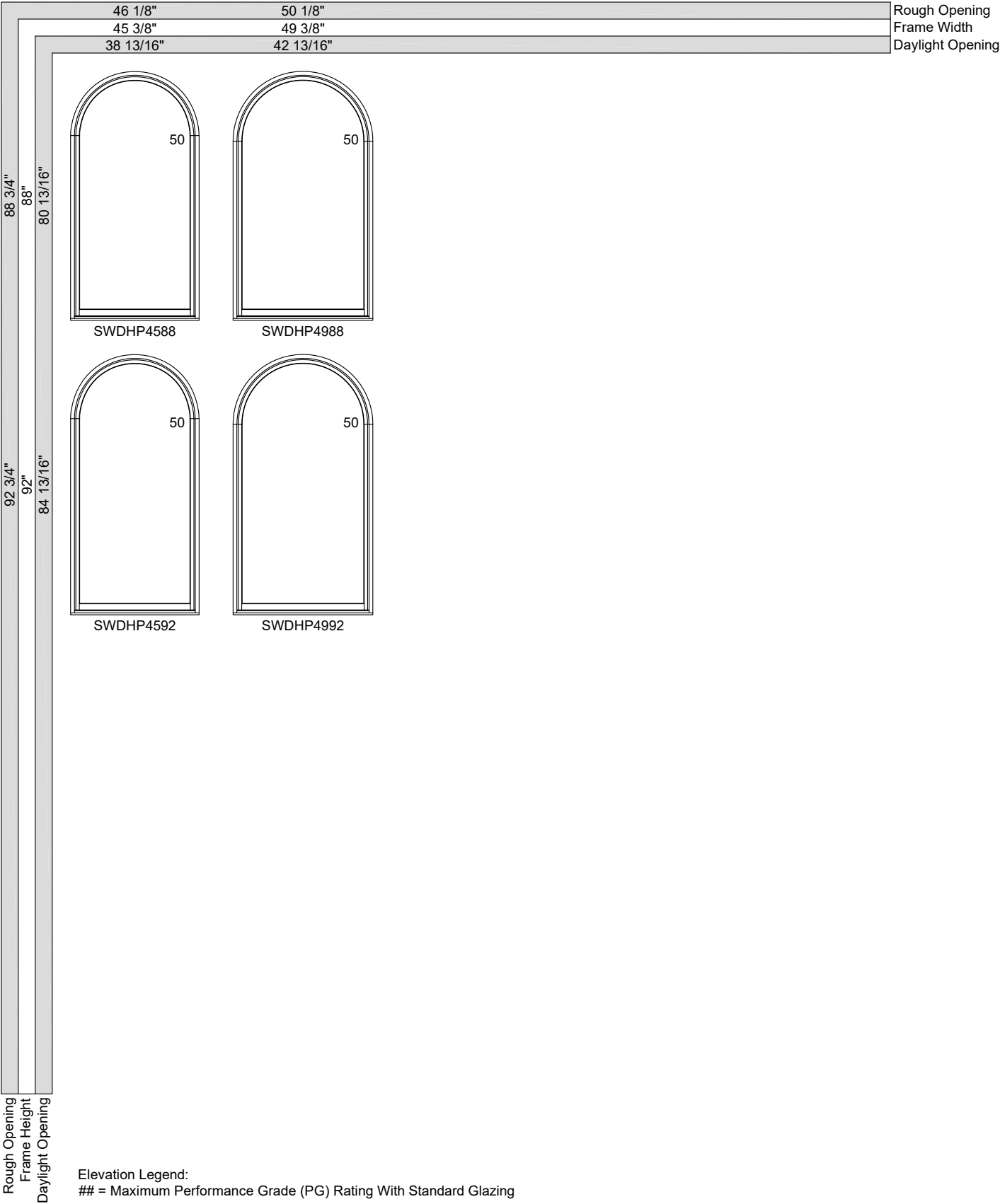
Scale: 1/4" = 1'-0"

Product specifications may change without notice.

Architectural Design Manual 84

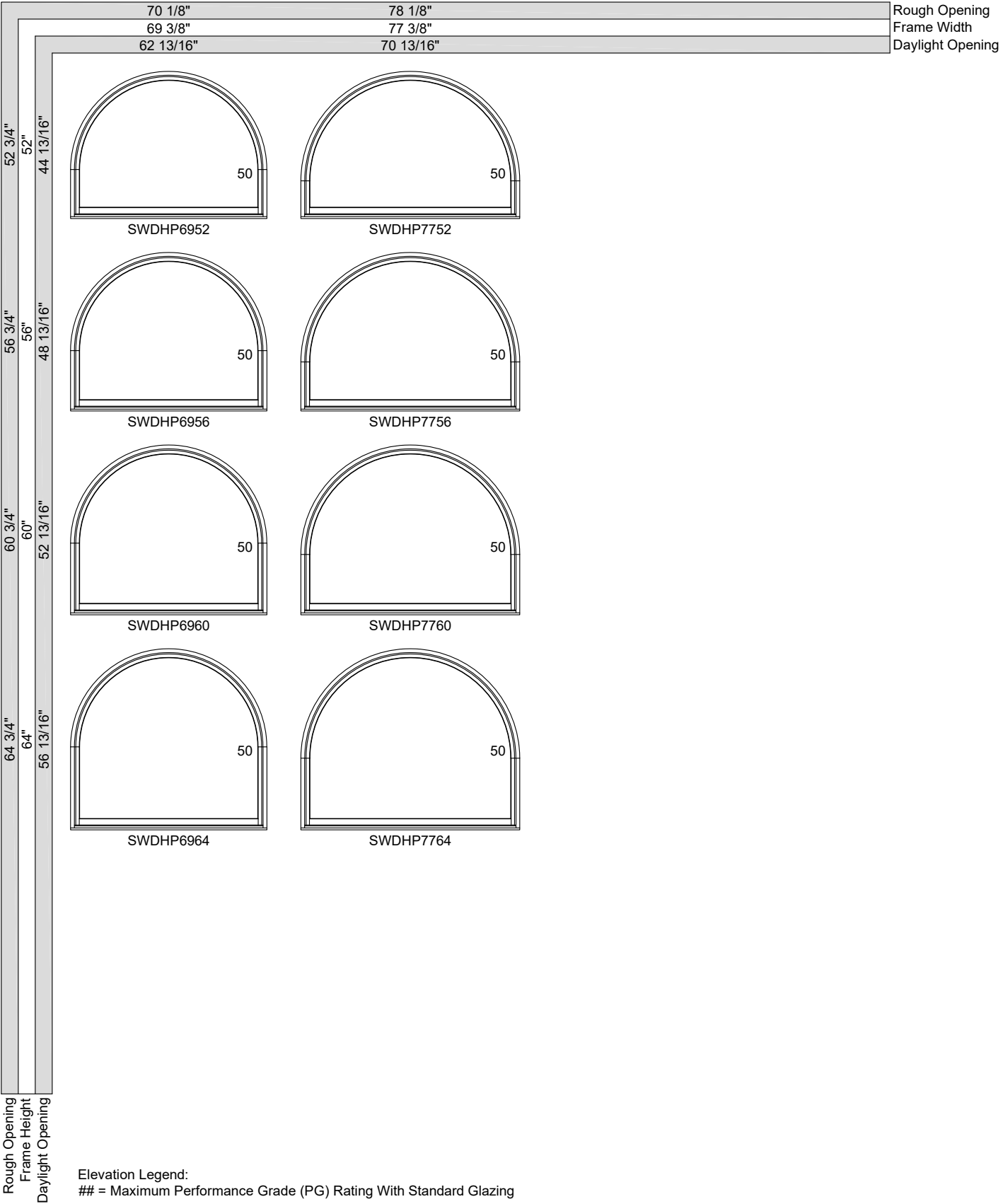


EXTENDED HALF ROUND FIXED UNITS



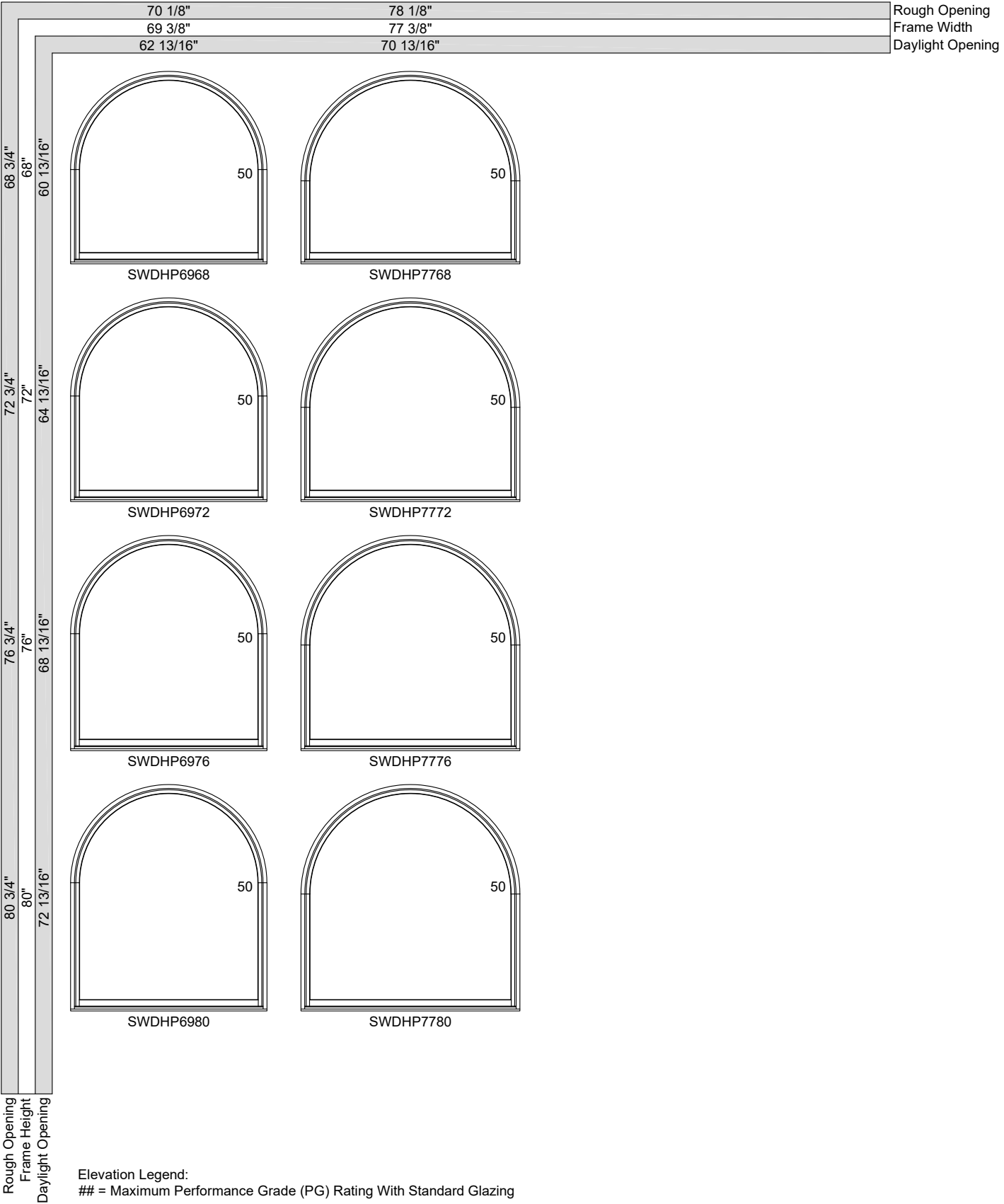


EXTENDED HALF ROUND FIXED UNITS





EXTENDED HALF ROUND FIXED UNITS





# JELD-WEN®

SITELINE®  
WOOD AND CLAD-WOOD  
WINDOWS AND PATIO DOORS





## ABOUT JELD-WEN

### DEDICATION FROM DAY ONE

Since 1960, when JELD-WEN began with one millwork plant, we've been dedicated to crafting windows and patio doors that enhance the beauty and functionality of your home. Today we continue that tradition with products that are durable and worry-free. It's the result of innovation as a driving force in all that we do.

It begins in the forests where we harvest our premium lumber. In addition to responsible reforestation practices, we reuse and recycle as much of our raw resources as possible. Innovation is also at the heart of our design and manufacturing process. With JELD-WEN, you can expect products that are more than just beautiful on the outside. The inner workings of our windows and doors are engineered to function for years to come.

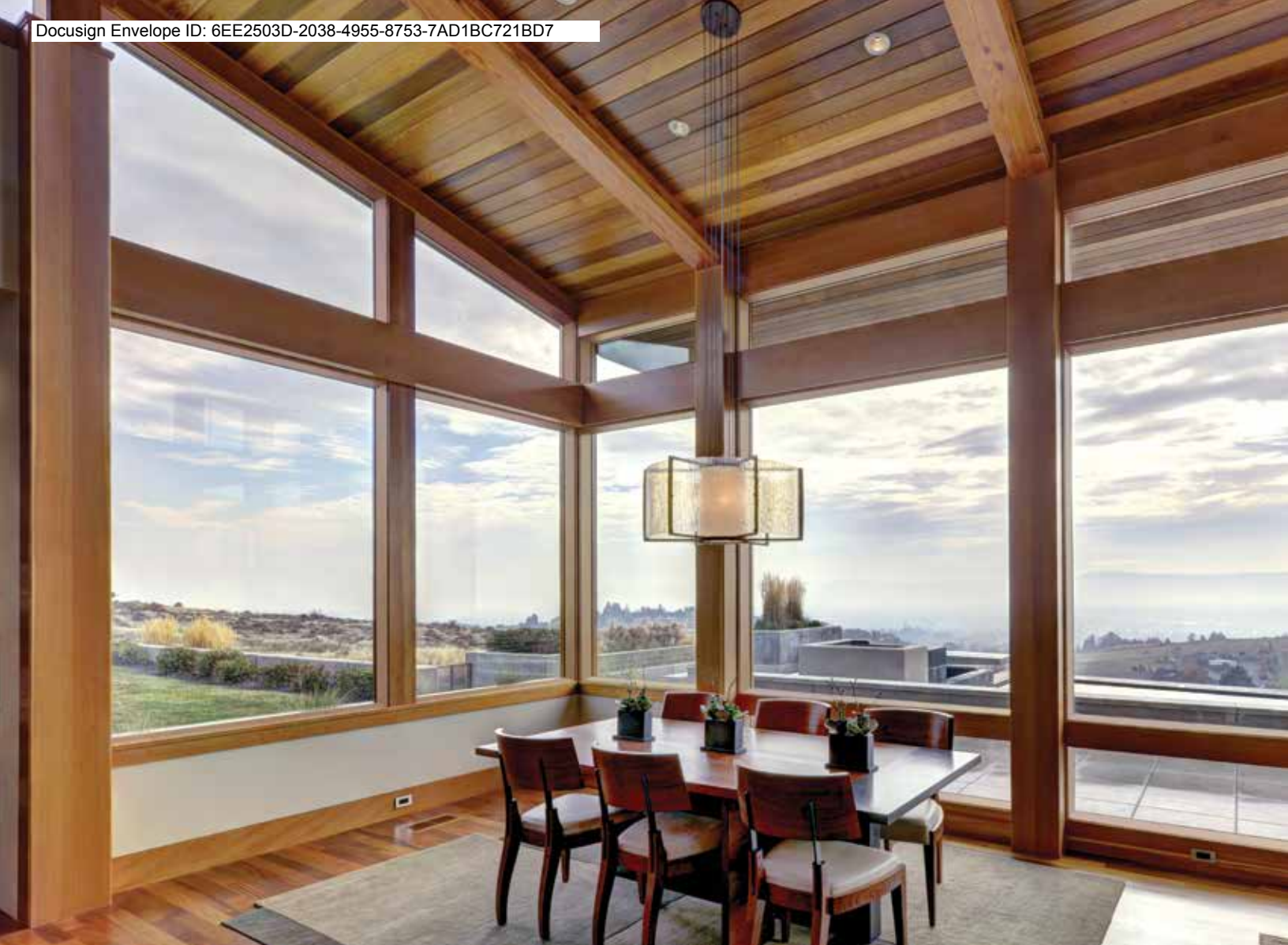




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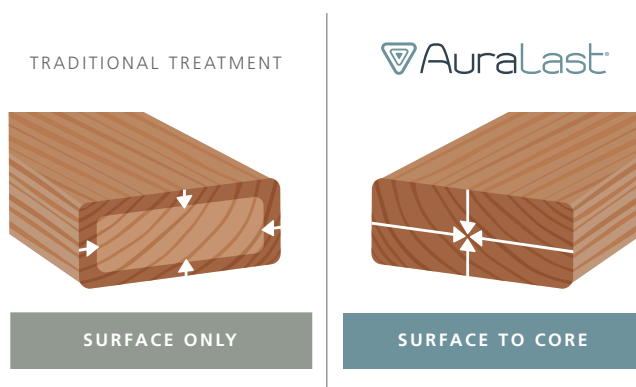




AuraLast® pine is a patented wood product that provides protection against wood rot, water damage and termites. This water-based process fortifies wood all the way to the core, providing an exclusive level of protection you'll only find through JELD-WEN.



See page 45 for warranty information.



Traditional treatments cover just the surface.  
 AuraLast penetrates to the core using a proprietary vacuum-pressure process.



#### EASY ON THE ENVIRONMENT

Water-based process releases up to 96 percent fewer volatile organic compounds (VOCs) during the manufacturing process than traditional solvent-based methods.



#### WET WEATHER PROTECTION

Whatever the climate, AuraLast® pine protects against water damage and rot like no other. Whether it's humidity, storms or dampness, AuraLast® pine stands up to the rigors of wet weather.



#### TERMITE PROTECTION

Termites can be devastating to windows and doors, but not to those built with AuraLast® pine. It safely and effectively repels termites, preserving the beauty of your investment.

## DETAILS THAT MAKE ALL THE DIFFERENCE

The result of more than a decade of research and development, JELD-WEN® Sitaline® windows and patio doors are designed to be more than beautiful. They are made to be reliable and efficient and are backed by a warranty that gives you peace of mind.

### INNOVATION

Double-hung styles are designed with concealed jamb liners for a unique and uniform appearance. Casements feature recessed sash for heightened detail and energy efficiency.

### PROTECTION

Built with superior AuraLast® pine protection against wood rot, water damage, and termites. See page 4 for more information.

### VERSATILITY

Available with a wood or aluminum clad exterior, with extensive finish and hardware choices. Impact options available for most styles.

### AUTHENTICITY

Able to meet most historical building requirements (please check your local regulations).

### CONFIDENCE

Backed by a 20-Year Limited Warranty on each window or patio door, plus a Limited Lifetime Warranty on AuraLast® pine. See page 45 for more information.







## VERSATILE DESIGN POSSIBILITIES

Siteline® windows and patio doors are designed and crafted to feel at home in any residential architectural style. See for yourself over the next few pages. Which style is closest to your vision for your home?









## CONTEMPORARY

The simplicity, minimalism, and natural elements of contemporary architecture are elegantly embodied in Sitaline's clean, uniform look and feel.







## TRANSITIONAL

Confidently blend and celebrate the best of traditional and modern elements with Sitaline's beautifully adaptable designs.







## FARMHOUSE

Siteline's warm, natural beauty complements the comfort, ruggedness, and soul of timeless farmhouse design.







## MODERN CRAFTSMAN

Experience the classic charm and fresh vitality of Modern Craftsman design with Sitaline's graceful authenticity.

## CHOOSING YOUR WINDOWS

Consider placement and appearance, available space, and your preferences for views and ventilation. Whatever you're looking for, Sitaline® has a solution.







## CASEMENT AND AWNING WINDOWS

Maximize ventilation and add a clean, modern accent to any room in the house.

### AESTHETIC APPEAL

Both styles feature recessed sash for architectural interest and energy efficiency, plus a choice of traditional or contemporary glazing profiles.

### PERFORMANCE

Siteline's design includes heavier hardware and greater thermal performance to help you achieve better efficiency.

### PUSH-OUT OPTIONS

We also offer push-out styles that feature swinging screens and stylishly simple push-out handles.



## DOUBLE-HUNG WINDOWS

State-of-the-art engineering meets traditional design,  
with a variety of elegant options and innovative features.



### BEAUTY

Concealed jamb liners create a uniform appearance that's unique to Sitaline®.





## DESIGN CHOICES

Options include simulated divided lites (SDLs), sash configurations, and wood/clad variations (wood frame/ clad sash or clad frame/wood sash).

## STRENGTH

Built with chambered composite interior sills for added strength and thermal efficiency.

## CONVENIENCE

Simply slide in the tabs and tilt in both sash for easy, safe cleaning.

## POCKET & SASH PACK WINDOWS

Bring superior quality, versatility, and heightened aesthetics to any residential construction project with Siteline® Double-Hung Pocket, Casement Pocket, and Double-Hung Sash Pack windows. Each style is easy to install and includes quick connectors that conceal the jamb liners for a clean, uniform look.







#### SMALLER JAMB DEPTH

Siteline® replacement options offer wood or clad-wood windows with a jamb depth of 3 1/4".

#### AUTHENTICITY

Meets most historical building requirements (please check your local regulations).

#### EFFICIENCY

Upgrade any window with more energy-efficient, dual-pane sash options.







## SPECIALTY SHAPES

### FIXED, RADIUS, AND GEOMETRIC

Radius and geometric windows, available as fixed or operating units, add distinction and variety to any room in your house.

## CHOOSING YOUR PATIO DOORS

With AuraLast® pine or cladding outside, Sitaline® patio doors provide multiple color and style selections with solid craftsmanship and durability built in.













## SLIDING PATIO DOORS

Simple, elegant, and built to last, these doors slide along horizontal tracks that don't take up any additional floor space.

### CONSISTENCY

Choose wide or narrow stile designs to match your windows and complement your architectural style.

### ALSO IN FOLDING

Siteline® folding patio doors are also available.

See page 44 for more information.





## LOW-FRICTION GLIDER™

The first product of its kind to deliver the benefits of a wall system at a price comparable to that of a sliding door.

### SIZE

Configurations of 1-4 panels, each as large as 7' wide and 10' tall, maximize natural light and panoramic views.

### EASE

Innovative rollers let active panels shift outward and glide effortlessly, then draw back toward the frame for a superior seal.

### PERFORMANCE

Robust design earns performance ratings up to PG50, depending on panel size and configuration.

## MULTI-SLIDE

This unique luxury offering creates openings up to 57' wide, filling the home with natural light and blurring the line between indoor and outdoor living space.

### OPTIONS

Panels up to 5' wide and 9' tall, with stacking or pocketing configurations; up to six panels in a single direction, or 12 panels parting from the middle.

### OPERATION

Acetal wheels deliver smooth, quiet operation, even with extreme panel weights.

### APPEARANCE

Narrow 3" stiles and rails provide more glass, more natural light, and better views.





## SWINGING PATIO DOORS

Create an impressive, sophisticated entrance with swinging patio doors available in a variety of configurations, including French doors.

### CHOICE

Available with one to four panels that swing out or in on side hinges.

### PERFORMANCE

The energy-efficient fiberglass sill allows water to drain away while preventing high winds and rain from coming in.

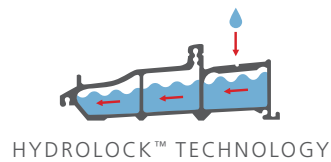
### ACCESS

Inswing and outswing patio doors are available with an optional ADA-compliant sill for wheelchair accessibility.



# INSWING PATIO DOOR WITH HYDROLOCK™ TECHNOLOGY

Featuring a redesigned sill with Hydrolock™ technology, these doors deliver robust water management that matches or surpasses industry-leading performance ratings.



## INNOVATION

Patent-pending fiberglass sill and corner key design continually moves water away from the home.

## RATINGS

PG45 rating on 1- and 2-panel systems up to 36" panel width; PG35 rating on 1- and 2-panel systems greater than 36" panel width and 3- and 4-panel systems.







AVERDENE™

## PATIO DOOR HARDWARE

A wide range of hardware and hardware finishes ensures that your Sitaline® windows and patio doors will beautifully align with any architectural style.



WHITBY™ CONTEMPORARY





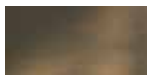









BELMAR™ TRANSITIONAL



HARLESTON™ TRADITIONAL

	
White	Polished Chrome*
	
Polished Brass*	Satin Brass*
	
Antique Brass*	Satin Nickel*
	
Oil-Rubbed Bronze**	Chestnut Bronze
	
Matte Black	Black Chrome*

Finishes will perform at or above PVD-tested finishes.  
\*Plated finish  
\*\*Finish will not change over time

Actual colors may vary from samples shown due to printing process and/or differing monitor calibrations.






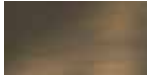







# WINDOW HARDWARE

## WINDOW HARDWARE OPTIONS

CASEMENT AND AWNING	DOUBLE-HUNG AND HORIZONTAL SLIDING
<div>STANDARD FOLDED NESTING HANDLE</div> 	<div>CONCEALED SASH LOCK</div> 
<div>PUSH-OUT HANDLE</div> 	

		
White	Desert Sand	Satin Nickel
		
Brushed Chrome	Polished Brass	Antique Brass
		
Oil-Rubbed Bronze	Chestnut Bronze	Black Powdercoat

Actual colors may vary from samples shown to due printing process and/or differing monitor calibrations.

# WINDOW OPENING CONTROL DEVICES (WOCD)

## AVAILABLE ON DOUBLE-HUNG AND CASEMENT WINDOWS

Because windows can be necessary for emergency escape and rescue, building codes in your area may require certain windows to open fully. Factory-installed window opening control devices are designed to meet the current ASTM F2090 standard intended to help prevent accidental falls from windows by children five years of age and younger. A WOCD automatically limits the sash opening to less than four inches, unless it is deliberately disengaged, allowing the sash to open fully.



Window Open



Window Closed





## COLOR

Personalize your wood or aluminum clad windows and patio doors with 27 exterior finishes and 16 interior finishes. Custom colors and PVDF protection are also available.

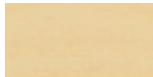






BRILLIANT WHITE



INTERIOR PAINTS

								
Brilliant White	Perfect White	Pure Ivory	Desert Sand	Grey Pearl	Gunmetal	Rosemary	Luxury Bronze	Blackest Ink

INTERIOR STAINS

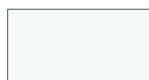
						
Clear Lacquer	Warm Toffee	Fruitwood	Walnut	Greystone	Kodiak	Black Stain

Actual colors may vary from samples shown due to printing process and/or differing monitor calibrations.





#### EXTERIOR CLADDING COLORS



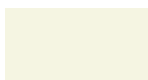
Bone White



Brilliant  
White



Ivory



French  
Vanilla



Heirloom  
White



Mocha  
Cream



Desert  
Sand



Silver



Smoke



Stone



Flagstone



Cocoa



Surf





						
Sea Foam	Hunter Green	Moss	Hartford Green	Cranberry	Mesa Red	Stormy
						
Admiral	Navy	Steele Gray	Dark Chocolate	Chestnut Bronze	Luxury Bronze	Black

Actual colors may vary from samples shown due to printing process and/or differing monitor calibrations.



## EXTERIOR CLAD TRIM

Select one of our exterior clad trim options to create the architectural look you want for your windows: historical, transitional, or contemporary.



Adams



3 1/2" Flat

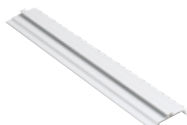


Brickmould

### OTHER OPTIONAL TRIM



2" Exterior Jamb Extension



Standard



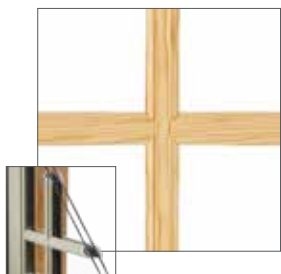
1" Sill Nosing



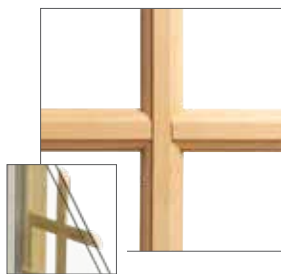
2" Sill Nosing

## DIVIDED LITES

Add architectural interest to your JELD-WEN® Sitaline® wood and clad-wood windows with one of our decorative grille options. These options include traditional or contemporary Simulated Divided Lites (SDL) for an authentic look, Full-Surround (FS) wood grilles that can be removed for easy cleaning, and maintenance-free Grilles Between the Glass (GBG).



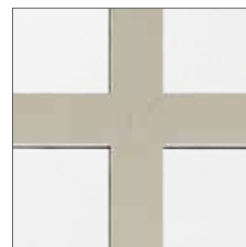
Simulated Divided Lites (SDL)



Full-Surround (FS)  
Wood Grilles



Grilles Between  
the Glass (GBG)



Contemporary Simulated  
Divided Lites (SDL)

## GLASS

### LOW-E INSULATING GLASS

Our standard high-performance Low-E insulating glass enhances energy conservation by helping homes stay cooler in the summer and warmer in the winter. Low-E glass provides greater protection against solar heat gain, reduces condensation, and helps limit fading of interior furnishings. Additional Low-E glass options are available for improved thermal performance.

### DIRT-RESISTANT GLASS

Standard for all Siteline® products, this innovative product harnesses the sun's UV rays to loosen dirt from the glass, so that rainwater can easily rinse away any grime. No manual activation is required.

### PROTECTIVE FILM

Standard for all Siteline® products, this film is factory-applied to both sides of the glass. It protects against debris and scratches during shipping and handling or at a construction site. Easy to remove, it saves clean-up time after installation.

### TEMPERED GLASS

Treated with heat in order to withstand greater force or pressure on its surface, tempered glass will not break into sharp pieces. It is used most frequently on patio doors or windows installed near floor level.

### ENERGY STAR® OPTIONS

Many JELD-WEN® windows and doors are ENERGY STAR certified, which means they exceed the minimum energy efficiency criteria for the climate region in which you live. JELD-WEN has been a proud ENERGY STAR partner since 1998. Please see your local dealer for options in your area.

## SPACERS

### STANDARD

For even more versatility, spacer bar color options enhance the appearance of your windows.



STAINLESS  
STEEL

BLACK

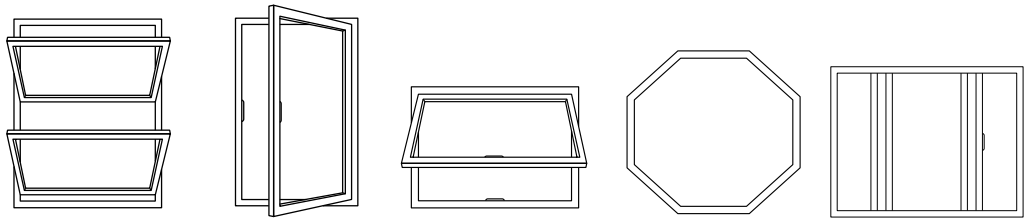
GRAY

## BLINDS BETWEEN GLASS

Select Siteline® windows and patio doors are available with Blink® Blinds + Glass. This exceptional blinds-between-the-glass offering delivers a clean, modern design with a choice of six colors, plus performance glass options. Blink blinds never need dusting, and there are no exposed cords.

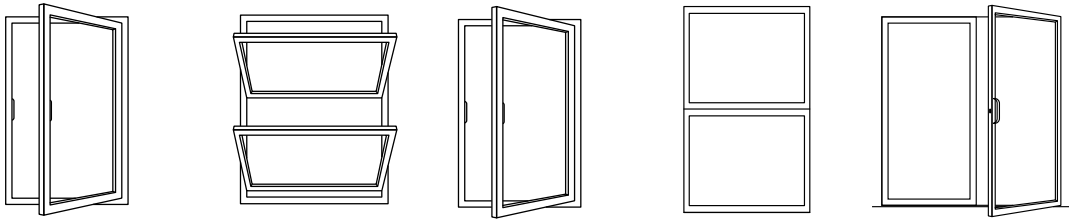


# PRODUCT DETAIL MATRIX



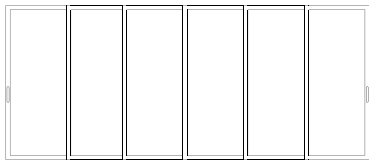
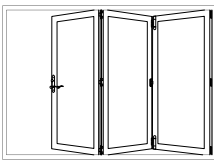
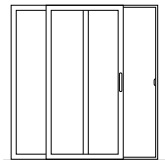
	Double-Hung	Casement	Awning	Geometric	Sliding
Hardware	Sash lock with integrated tilt latches	Nesting handle	Nesting handle	N/A	Sash lock
Hardware Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes
Glass Options	50+ Choices	50+ Choices	50+ Choices	50+ Choices	50+ Choices
Sizes: Min Max	21 3/8" x 32" 45 3/8" x 92"	18" x 18" 36" x 84"	18" x 18" 60" x 48"	18" x 18" 108" x 78"	29" x 23" 72" x 60"
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs
Performance Rating	45 3/8" x 80" - PG 50, WZ3 - PG +50/-65	36" x 72" - PG 50, WZ3 - PG +50/-65	48" x 48" - PG 50, WZ3 - PG +50/-65	84" x 84" - PG 50, WZ3 - PG +50/-65	72" x 60" - PG30
Configurations	Special Mulls, Transoms, Bays & Bows, Multiples	Special Mulls, Transoms, Bays & Bows, Multiples	Special Mulls, Transoms, Multiples	Special Mulls, Multiples	N/A
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver
Blink® Blinds	N/A	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	N/A

Other options available, including impact-rated options (depending on operating type) and screens.  
For more information, please see your JELD-WEN representative or visit [jeld-wen.com](http://jeld-wen.com).



	Push-out Casement	Double-Hung Pocket	Casement Pocket	Sash Pack	Swinging Patio Doors
Hardware	Push-out handle	Sash lock with integrated tilt latches	Nesting handle	Sash lock with integrated tilt latches	Harleston™, Whitby™, Belmar™
Hardware Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes	10 Finishes
Glass Options	50+ Choices	50+ Choices	50+ Choices	50+ Choices	50+ Choices
Sizes: Min Max	18" x 18" 36" x 72"	21 3/8" x 31 7/32" 45 3/8" x 92"	18" x 18" 36" x 72"	20" x 30" 40" x 90"	23 5/8" x 79 1/2" 43" x 98 1/2" (Panel Size)
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs
Performance Rating	36" x 72" - PG50	45" x 78" - PG50	36" x 72" - PG35	N/A	Inswing: PG35, PG50 Limited Water Outswing: PG50 WZ3 available
Configurations	Special Mulls, Transoms, Bays & Bows, Multiples	N/A	N/A	N/A	X, OX, XO, OXXO Sidelites & Transoms available
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver
Blink® Blinds	N/A	N/A	N/A	N/A	N/A

# PRODUCT DETAIL MATRIX



	Sliding Patio Doors	Folding Patio Doors	Low-Friction Glider™	Multi-Slide
Hardware	Harleston™, Whitby™, Belmar™, Averdene™	Standard	Flush Mount	Recessed
Hardware Finishes	10 Finishes	10 Finishes	3 Finishes	3 Finishes
Glass Options	50+ Choices	50+ Choices	4 Choices	Low-E
Sizes: Min Max	30" x 79" 48" x 96" (Panel Size)	62 1/2" x 80 3/8" 148" x 96" (Panel Size)	39" X 79 1/2" (1-Panel Size) 291 1/8" X 122 1/2" (4-Panel Size)	62 1/2" x 80 3/8" 148" x 96"(Panel Size) Openings up to 57'
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	Bead: 7/8" Putty: 7/8" Contemporary: 7/8"	Bead: 7/8" Putty: 5/8", 7/8"
Performance Rating	2-Panel Wide Stile - PG65 4-Panel Wide Stile - PG25 2-Panel Narrow Stiles - PG40 4-Panel Narrow Stiles - PG25	PG35 (Pending Configurations)	PG35 & PG50 (Pending Configuration & Sizing)	PG35 & PG50 (Pending Configuration & Sizing)
Configurations	OX, XO, OXXO Transoms Available	2-, 3-, or 4-Panel	Fixed, OX, XO, OOX, XO0, OXO, OXXO	6 panels in one direction or 12 panels in bi-parting direction w/ pocketing options
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black, Gray, Silver	Black, Gray, Silver
Blink® Blinds	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	N/A	N/A	N/A

# JELD-WEN® WINDOW & PATIO DOOR LIMITED WARRANTY

## OUR WARRANTY TO YOU...

JELD-WEN® Products<sup>1</sup> are designed to create lasting value for your home. This warranty is effective for all JELD-WEN window and patio door Products (except United Collection products) manufactured on or after **June 1, 2019** for use in the United States and Canada. Any previous warranties will continue to apply to products manufactured by JELD-WEN prior to this date. For additional information, including care and maintenance instructions, installation instructions, and previous warranties, refer to [www.jeld-wen.com](http://www.jeld-wen.com) or [www.jeld-wen.ca](http://www.jeld-wen.ca).

### What This Warranty COVERS

Except as set forth in the Special Coverages section below, we warrant that if your JELD-WEN Product exhibits a defect in material or workmanship within the time periods from the date of manufacture as specified below, we will, at our option, repair, replace or refund the purchase price of the Product or component part. Skilled labor<sup>2</sup> (where deemed necessary by us) to repair or replace any component is provided as specified below.

	Wood & Metal Clad Wood	Composite	Vinyl and Metal Clad Vinyl	Aluminum
<b>Basic Product Coverage</b> Owner-Occupied Single-Family Residence	20 years	10 years; glass is covered for 20 years	as long as you own and occupy your residence	10 years
<b>Basic Product Coverage</b> Commercial (Other than Owner-Occupied Single-Family Residence)	20 years	10 years	10 years	2 years
<b>Skilled Labor<sup>2</sup> Coverage</b>	2 years	2 years	2 years	1 year
<b>Transferability</b> - the maximum length of any coverage when you sell your residence or it becomes occupied by other than the original owner	10 years	10 years	10 years	Non-transferable

### Special Coverages (Applies to both Owner-Occupied and Commercial)

The following Special Coverages apply to special product features and options; not all options are available on all products or in all regions.

Glass Options	Coverage	Notes
Triple-Glazed Glass Units	20 years	Includes the glass panes and the insulating seal.
ImpactGard® Glass Units	10 years	
Special Glazings	5 years	Includes laminated glass units other than ImpactGard, and glass options not listed in our product literature, e.g., leaded or decorative glass.
Blinds/Shades Between the Glass	10 years	Includes the seal, external control mechanism, and operation of the shade/blind.
Stress Cracks	1 year	Applies to sealed glass units installed in windows and patio doors. Laminated glass and special glazings are excluded. Coverage includes replacement glass and skilled labor <sup>2</sup> necessary to replace the glass. Stress cracks occur when the glass develops a crack without sign of impact.
Accidental Glass Breakage	Same as the Basic Product Coverage above (Owner-Occupied or Commercial)	Applies to Products ordered with double strength or thicker glass. Not covered: damage attributable to acts of nature (e.g. fire, hurricane, etc.), civil disorder, building settling, structural failures of walls or foundations or improper installation, construction job-site mishaps, storage, or handling. Special glazings and ImpactGard glass are not covered by this glass breakage warranty.
Finish Options	Coverage	Notes
Clad Finish on Metal Clad Exteriors	AAMA 2605: 30 years AAMA 2603/2604: 10 years Anodized: 5 years	Coverage is for peeling, checking, cracking, or exhibiting excessive chalk, fade or color change <sup>3</sup> .  Clad products installed within one mile of a salt-water source (for example, an ocean or salt lake) or other corrosive environment require additional and specific maintenance requirements. Refer to our full care and maintenance instructions.
Factory Interior Finish on Wood Products	1 year	Coverage is for peeling, checking, or cracking. Should the factory interior finish be proven defective within this time period, we will at our option, replace or refinish the component or product, or offer a refinish credit up to \$50 per opening for windows or \$100 per opening for patio doors. This coverage applies to factory-applied finish coat options only; standard factory-applied primer is not a finish coat.
Colored and Laminated Surfaces on Vinyl and Composite Products	10 years	Coverage is for peeling, blistering, or flaking, and excessive color change <sup>3</sup> . This coverage does not extend to discoloration, polish, surface damage, or alteration caused by the use of natural or chemical solvents or an environmental factor causing such damage.

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Other Special Coverages	Coverage	Notes
AuraLast® Protection for Wood Products	Owner-Occupied Single-Family Residence: as long as you own and occupy your residence	Coverage is for wood decay and/or termite damage in pine wood components. Warranty coverage outside Canada, the contiguous 48 states and Alaska is contingent upon approval from the JELD-WEN Customer Care Department. Please contact us.
	Commercial: 20 years	
Custom Fiberglass Door Slabs	As long as you own and occupy your residence	
Factory Prefinish on Custom Fiberglass Doors	10 years	Should the factory prefinish be proven defective, we will at our option refinish the door or pay up to \$350.00 per opening to the current owner.
Electric Operators	1 year	Coverage includes replacement parts and skilled labor necessary to replace the operator for one year.
Retractable Roll Screens	5 years	

### How To Get Assistance

If you have a problem with your JELD-WEN Product, contact the dealer/distributor or contractor from whom you purchased your product or contact us directly:

	In the United States:	In Eastern Canada:	In Western Canada:	In Ontario Canada
Mail:	JELD-WEN Customer Care Attn: Warranty Claims P.O. Box 1329 Klamath Falls, OR 97601	JELD-WEN Service Dept 90, rue Industrielle Saint-Apollinaire, Quebec Canada G0S 2E0	JELD-WEN Service Dept 550 Munroe Avenue Winnipeg, Manitoba Canada R2K 4H3	JELD-WEN Service Dept 90 Stone Ridge Road Vaughan, Ontario Canada L4H 3G9
Phone:	888-JWHelpU 888-594-3578	800-463-1930	888-945-5627 204-668-8230	800-440-2714 905-265-5700
Fax:	800-436-5954	888-998-1599	204-663-1072	905-265-5704
E-mail:	jeldwenwarranty@jeld-wen.com		wpgservice@jeld-wen.com	
Web:	www.jeld-wen.com/contact-us	www.jeld-wen.ca/contact-us		

We can respond quickly and efficiently if you provide the following: a) product identification (from the original order/invoice, spacer code, permanent label, or the window identification number found on corner of glass), b) how to contact you, c) the address where the product can be inspected, and d) a description of the apparent problem and the product (photographs are helpful).

### What We Will Do

Upon receiving your notification, we will send out an acknowledgement within three business days to the contact, which you have provided. We will investigate your claim and will begin to take appropriate action within 30 days after receipt of notification. If your warranty claim is denied, we may charge an inspection fee for an onsite inspection that is required or requested by you.

If your claim is approved, and we choose to repair or replace the product or a component of the product, the replacement product/component will be provided in the same specification as the original product or its nearest equivalent current product. Replacement components/products are warranted for the balance of the original product warranty or 90 days, whichever is longer.

If the claimed nonconformity is warp of a door slab, we may defer repairing or replacing the door slab for a period up to twelve (12) months from the date of claim. It is not uncommon for a temporary warp condition to occur as the door slab adjusts to local humidity and temperature conditions. This deferral will not be counted against the warranty period.

### What This Warranty Does NOT Cover

JELD-WEN is not liable for damage, product failure or poor product performance due to:

- Normal wear and tear, including normal wear and tear of weatherstrip; natural weathering of surfaces. Variance in color or texture of natural wood parts, and natural tarnishing of copper cladding are not considered defects.
- Normal wear and tear to hardware and naturally occurring changes to hardware finishes (e.g., corrosion or tarnishing).
- Exposure to chemicals (e.g. brick wash) or a harsh environment (e.g. salt spray or airborne pollutants) unless otherwise stated above.
- Misuse, abuse or failure to properly finish and provide maintenance.
- Alteration or modification to the Product (e.g. customer applied tints or films, paint finishes, security systems).
- Any cause beyond the reasonable control of JELD-WEN (e.g. fire, flood, earthquake, other acts of nature, and acts of third parties outside of our control).
- Failure to provide an adequate overhang for fiberglass doors; damage caused by extreme temperature buildup where storm doors are present. For general guidelines, see our "Appropriate Protection for Exterior Doors" in our product literature or at [www.jeld-wen.com/resources](http://www.jeld-wen.com/resources); for specific information pertaining to your structure, consult your contractor or other building professional.

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- Improper installation not in conformance with JELD-WEN installation instructions (note: see [www.jeld-wen.com](http://www.jeld-wen.com) for current installation instructions); operational problems and problems related to water and/or air infiltration/leaking as a result of improper installation or flaws in building design or construction.
- Installation into a condition that exceeds product design standards and/or certified performance specifications and/or is not in compliance with building codes.
- Extreme artificial temperature buildup or exposure (e.g., where storm doors/windows are present).
- Hardware or inserts that are not provided by us, such as locksets, door handles, strikes, etc.
- Condensation or damage as a result of condensation (Note: unless due to insulating glass failure, most condensation problems are related to excessive humidity levels in a structure. Contact a heating/air conditioning specialist for help).
- Wood decay in wood components other than of pine species and any components (including pine) that come in direct contact with soil. Note: superficial mold/mildew does not indicate wood decay.

JELD-WEN is also not liable for:

- Glass breakage (except as covered above).
- Screen damage due to normal wear and tear, misuse, abuse, or insect or animal activity.
- Slight expansion or contraction due to varying environmental conditions; slab movement (shrinkage or swelling) of 1/4" or less due to temperature and humidity, consult the Homeowner's Manual on how to work with this natural movement.
- Slight imperfections or wavy distortions in the glass that don't impair structural integrity. Note: wavy distortions in the glass (e.g. related to laminate interlayer or heat strengthening of glass) are not considered a defect. Slight color variations in glass are not considered a defect.
- Hairline cracks in factory-applied finishes; surface cracks that do not compromise the underlying material are not a defect.
- Damage or distortion to other property, including but not limited to, vinyl siding, building components or landscaping caused in whole or in part by reflection of light or heat from JELD-WEN windows or doors.
- Product or component performance decline due to aging, inert gas dissipation, natural processes or failure to provide proper maintenance. Note: Other than inert gas loss due to seal failure, the migration of an inert gas, such as argon, is a natural process that occurs over time and is not a defect.
- Repairs on product not accessible by road; travel costs related to repairs on product located more than 125 miles/200 kilometers from an authorized dealer; providing, assembling, or dismantling scaffolding, lifts, or other specialized equipment.
- Labor and materials for repainting or refinishing activities or the removal or disposal of defective product(s); labor exceeding the time periods specified above.
- Incidental or consequential damage. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so this may not apply to you.

**Important Legal Information -- Please read this carefully. It affects your rights.**

This Limited Warranty document sets forth our maximum liability for our products. We shall not be liable for special, indirect, consequential, or incidental damages. Your sole and exclusive remedy with respect to any and all losses or damages resulting from any cause whatsoever shall be as specified above. We make no other warranty or guarantee, either express or implied, including implied warranties of merchantability and fitness for a particular purpose to the original purchaser or to any subsequent user of the Product, except as expressly contained herein. In the event state or provincial law precludes exclusion or limitation of implied warranties, the duration of any such warranties shall be no longer than, and the time and manner of presenting any claim thereon shall be the same as, that provided in the express warranty stated herein. This Limited Warranty document gives you specific legal rights, and you may have other rights that vary from state/province to state/province.

Any dispute, controversy or claim arising out of or relating to this warranty, any alleged breach thereof, or the use or sale of the products to which this warranty applies shall be resolved by mandatory and binding arbitration administered by the American Arbitration Association in accordance with its commercial arbitration rules. Any ensuing arbitration will be venued in Charlotte, North Carolina. Original purchaser agrees that they may assert claims against JELD-WEN in their individual capacity only, and not as a plaintiff or class member in any purported class action proceeding. This warranty shall be interpreted in accordance with the laws of North Carolina (excluding North Carolina's conflict of laws principles). If any provision of this warranty is deemed illegal or unenforceable in a judicial proceeding, that provision shall be severed and excluded, and the remainder of this warranty shall continue in force. Rejection of these dispute resolution provisions must be sent to JELD-WEN at the address provided herein within thirty (30) days of original purchaser's receipt of the Products to which this warranty applies.

No distributor, dealer or representative of JELD-WEN has the authority to change, modify or expand this warranty. The original purchaser of this Product acknowledges that they have read this warranty, understand it and are bound by its terms and agrees to provide this warranty to the original owner of the structure into which the Product is installed.

<sup>1</sup> "JELD-WEN Products" shall refer to window and patio door products (except United Collection products) manufactured in the United States and/or Canada and marketed under the JELD-WEN brand name for use in the United States and/or Canada. See our separate United Collection warranty, or our Export Warranty for applicable coverage on products used outside the United States and Canada.

<sup>2</sup> "Skilled labor" refers to tasks where specialized technical knowledge, experience, methods or tools are required to properly identify, diagnose and/or correct product-related issues.

<sup>3</sup> "Chalking" of the exterior finish is not a defect unless it exceeds a numerical rating of eight (8) when measured in accordance with the standard procedures specified in ASTM D4214. Fading or changing in color of the exterior finish is not a defect unless it exceeds five (5) E units, calculated in accordance with ASTM D2244, paragraph 6.2. Color change shall be measured on an exposed area of finish that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed area of finish. Fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements. If the above ASTM standards change, the standard in effect at the time of purchase applies. As an option to replacement, we may choose to refinish the product.



JELD-WEN®

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