



HISTORIC DISTRICT COMMISSION APPLICATION FOR WORK APPROVAL

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

APPLICATION ID

HDC2026-00108

PROPERTY INFORMATION

ADDRESS(ES): 14597 Artesian St

HISTORIC DISTRICT: Rosedale Park

SCOPE OF WORK: (Check ALL that apply)

- | | | | | | |
|---|---|--|---|---|--------------------------------|
| ☒ Windows/
Doors | ☐ Walls/
Siding | ☐ Painting | ☐ Roof/Gutters/
Chimney | ☐ Porch/Deck/Balcony | ☐ Other |
| ☐ Demolition | ☐ Signage | ☐ New
Building | ☐ Addition | ☐ Site Improvements
(landscape, trees, fences,
patios, etc.) | |

BRIEF PROJECT DESCRIPTION:

I'm looking to replace 10 windows that have significant damage and seem to be beyond repair. Rotted wood windowsills and frames are vulnerable to squirrels and have posed a safety risk in addition to a cracked glass pane. During storms, water is getting into the home and further adding to the damage. Would like to get the commission's approval to move forward with replacement as soon as possible.

APPLICANT IDENTIFICATION

TYPE OF APPLICANT: Property Owner/Homeowner

NAME: Nicole Stowers

COMPANY NAME: N/A

ADDRESS: 14597 Artesian St

CITY: Detroit

STATE: MI

ZIP: 48223

PHONE: +1 (313) 706-1943

EMAIL: stowersnicole@gmail.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/or occupant of the subject property and that the information on this application is true and correct.
- ☒ As required by the state Local Historic Districts Act, [Act 169 of 1970](#) (MCL399.205), I hereby certify that the property where work will be undertaken has, or will have before the proposed project completion date, a fire alarm system or a smoke alarm complying with the requirements of the Stille-DeRossett-Hale single state construction code act, [1972 PA 230, MCL 125.1501 to 125.1531](#)

Signed by:

Nicole Stowers

DD439A54098426

SIGNATURE

03/15/2026

DATE

NOTE: Based on the scope of work, additional documentation may be required. See 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

1. DESCRIPTION OF EXISTING CONDITION <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> Multiple window frames are rotted through, with visible deterioration exposing interior areas directly to the elements. The rot has compromised the integrity of the frames, and in one instance, a squirrel was able to chew through a damaged section and enter the home, highlighting both a structural and pest vulnerability. One of the windows has a visible crack in the glass pane, which presents both a safety risk and contributes to energy inefficiency. Some double-pane windows show condensation or fogging between the panes, indicating seal failure and loss of insulating capability. Due to frame damage or worn-out components, some windows do not open and the compromised frames increase the risk of water leakage during rain, leading to mold or interior damage over time.	
2. PHOTOGRAPHS <i>Help us understand your project. Please attach photographs of all areas where work is proposed.</i>	
3. DESCRIPTION OF PROJECT <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> This project involves the removal and replacement of 10 existing windows that currently have rotted wood frames. The proposed solution is to install 10 new wood-frame windows, each outfitted with an aluminum overlay for added durability and long-term protection from the elements. The aluminum cladding will help shield the exterior surfaces of the wood frames from moisture, UV exposure, and pests—factors that contributed to the deterioration of the existing windows. The new windows will improve structural integrity, energy efficiency, weather resistance, and overall property security. All work will be performed in accordance with applicable building codes, historical compliance, and best practices for residential window installatio	
4. DETAILED SCOPE OF WORK <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>	
5. BROCHURES/CUT SHEETS <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

6. WINDOWS/DOORS 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)	

























































Window Location							
Room 1: Window 1 (West Facing)	IMG_5640.jpg						
Room 1: Window 2 (North Facing)	IMG_5770.jpg	IMG_5771.jpg	IMG_5792.jpg	IMG_5772.jpg	942	IMG_3255.JPG	IMG_5791.jpg
Room 2: Window 1+2 (North Facing) (2 wide double hung)	IMG_0645.JPG						
Room 2: Window 3+4 (East Facing) (2 wide double hung)	IMG_3929.JPG	IMG_5545.JPG	IMG_8391.JPG	IMG_4809.JPG			
Room 2: Window 5(East Facing)	IMG_4809.JPG	IMG_5794.jpg	IMG_5795.jpg				
Room 3: 1 Window (West Facing)	IMG_4775.JPG						
Room 4: 1 window (West Facing)	IMG_6225.jpg	IMG_6226.jpg					
Location: Window 1 (East Facing)							
Location: Window 2 (South Facing)	IMG_6161.jpeg	IMG_6162.jpeg	IMG_6159.jpeg	IMG_6160.jpeg			

Scope of Work

Removal & Disposal

- Carefully remove existing windows without damaging surrounding structure
 - Remove old caulking, fasteners, and trim as required
 - Dispose of all debris off-site in accordance with local regulations
 -
-

Exterior Finishing

- Install exterior capping (aluminum cladding) where required
 - Seal all edges with weatherproof caulking
 - Match existing exterior as closely as possible
-

Performance Requirements

- Windows must open/close smoothly and lock securely
 - No air or water leakage
 - Meet local building codes and energy standards
 - Clean, professional finish inside and outside
-

Cleanup

- Daily cleanup of work areas
- Final cleanup including:
 - Removal of debris
 - Cleaning glass and frames
 - Disposal of old materials

General Description

- Type: Double-hung, equal sash configuration
- Operation and proportions to **match existing windows**
- Sizes: Non-standard; to **match existing openings and sightlines**

Materials & Finish

- Exterior: Clad finish in **brown**, consistent with existing exterior appearance
- Interior: Wood (pine), **painted white** to match existing interior finishes
- Frame depth and profiles to **closely replicate existing window dimensions**

Glass

- Insulated double-pane glass
- Low-E coating with argon gas fill
- Glass to be **clear (no tint or reflective appearance)** to maintain historic character

Grilles / Muntins

- Simulated divided lite (SDL)
- Pattern: **2-over-2**, consistent with traditional historic style
- **Profiled muntins (7/8")** to replicate original sightlines
- Grilles to be applied in a manner that **matches the appearance of true divided lights**

Trim & Interior Detailing

- New **2 1/2" Colonial-style interior casing**, prefinished white
- Profile selected to **match or closely resemble existing historic trim**
- Exception:
 - Kitchen sink window to use a **reduced/recessed trim detail** to avoid interference with existing tile
 - Detail to remain visually unobtrusive and consistent with surrounding finishes

Installation Method

- **Full-frame replacement** at all locations
- Existing windows to be removed to rough opening

- New windows installed with proper flashing and air sealing
-

Exterior Appearance

- No exterior trim changes unless required
 - Existing exterior appearance to be **maintained or closely replicated**
 - Any exposed components to match surrounding materials and finishes
-

Performance (Secondary to Appearance)

- Windows to meet modern energy efficiency standards, including:
 - U-Factor: 0.30 or better
 - Improvements to be made **without altering visual character**
-

Historic Compliance Statement

All replacement windows are intended to:

- **Match the original design, proportions, and detailing**
- Maintain the **architectural integrity of the structure**
- Ensure that upgrades are **visually compatible with historic district guidelines**



Lifestyle Series Double-Hung

Product Selection Guide

Size and Performance Data	LS-DH-2
Features and Options	LS-DH-3
Combination Assemblies	LS-DH-4
Glazing Performance	
Vent Units.....	LS-DH-6
Fixed Units	LS-DH-8
Grille Types	LS-DH-11
Size Tables	
Double-Hung with GBG's and SDL's.....	LS-DH-12
Fixed and Transoms with GBG's and SDL's.....	LS-DH-13
Replacement Sizes with Grilles-Between-the-Glass	LS-DH-14
Special Sizes and Dimensions.....	LS-DH-17
Design Data	
Vent Units.....	LS-DH-18
Fixed and Transoms	LS-DH-19
Replacement Double-Hung Venting	LS-DH-20
Replacement Fixed and Transoms	LS-DH-22
Detailed Product Description	LS-DH-23
Unit Sections	LS-DH-24

Document Navigation Tips:

Items listed in the table of contents above are active links that will take you to the corresponding page.

Supporting documents for this product:

Test Reports:

https://media.pella.com/professional/adm/CertificationReports/Test_Reports_LS-Dual.pdf?utm_source=pdfdoc

CSI Specs (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Wood-CSI_Specs/08552.rtf?utm_source=pdfdoc

Detailed Product Description (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Clad-Wood-LS/PellaLifestyleSrs-DH_DPD.rtf?utm_source=pdfdoc

Size Tables (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood-LS/LSCDHE_D.dwg?utm_source=pdfdoc

CAD cross sections (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood-LS/LS-DH_XSEC_D.dwg?utm_source=pdfdoc

3D & BIM (requires appropriate software to read and use):

https://media.pella.com/professional/adm/RevitFiles/LS-Revit/Window-Double-Hung-Pella-Lifestyle_Series.zip?utm_source=pdfdoc

Sketchup (requires appropriate software to read and use):

https://media.pella.com/professional/adm/Clad-Wood-LS/PellaSKP_LifestyleSeries_Double-Hung.zip?utm_source=pdfdoc

Combination Recommendations:

https://media.pella.com/professional/adm/Clad-Wood/D_Combinations.pdf?utm_source=pdfdoc

Installation Details:

https://media.pella.com/professional/adm/Clad-Wood/F_InstallationDetails.pdf?utm_source=pdfdoc

Bay/Bow Details:

https://media.pella.com/professional/adm/Clad-Wood/Pella-Wood_BayBowWindows.pdf

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Lifestyle Series Double-Hung

Size and Performance Data

		Dual-Pane
Sizes		
Standard double-hung vent/fixed sizes		●
Transom sizes		●
Egress sizes		●
Special sizes available		●
Performance ₁		
Meets or Exceeds AAMA / WDMA Ratings		H-LC25-LC50 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure) ₂		0.11
Water Resistance		7.5 psf
Design Pressure		25–50 psf
Other Performance Criteria		
Forced Entry Resistance Level (Minimum Security Grade) ₃		10
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₄		40/40

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested ₅	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness (HGP)		
Pella Lifestyle Series	37" x 59"	11/16"	2.5mm	2.5mm	—	27	23
Double-Hung	37" x 59"	11/16"	5mm	3mm	—	31	27

(—) = Not Available

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.

(2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

(3) The higher the level, the greater the product's ability to resist forced entry.

(4) Glazing configurations may result in higher operational forces.

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.



Lifestyle Series Double-Hung

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	—
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	SunDefense+ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	NaturalSun+ Low-E
Additional Glass Options	
Annealed Glass	STC Glazing Options
	Tempered Glass
	Obscure Glass ¹
Gas Fill/High Altitude	
Argon	High altitude (Air-filled only)
Exterior	
EnduraClad® protective finish	—
Cladding Colors	
12 Standard colors ¹	—
Interior¹	
Unfinished wood	Factory primed
	Factory prefinished paint ¹
	Factory prefinished stain ¹
Wood Types	
Pine	—
Hardware	
Finishes	
Champagne, Matte Black, White or Brown	Oil Rubbed Bronze, Satin Nickel
Sash Locks/Sash Lifts	
Cam-action lock	Sash lifts ²
Tilt-Wash Cleaning	
Tilt to interior on both sashes	—
Grilles	
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row, Cross, Custom - Equally Divided
Simulated Divided Light with Optional Spacer³	
—	Traditional, Prairie, Top Row, Cross, Custom - Equally Divided
Screens	
—	Full-Size InView™ screens, Hidden Screen ⁴

(—) = Not Available

(1) Contact your local Pella sales representative for current color options.

(2) Sold separately for Pella® Lifestyle Series double-hung windows.

(3) Available with Low-E argon-insulated glass only.

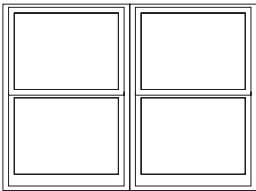
(4) Hidden Screen prevents operation of the upper sash.



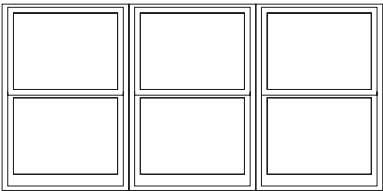
Lifestyle Series Double-Hung

Combination Assemblies

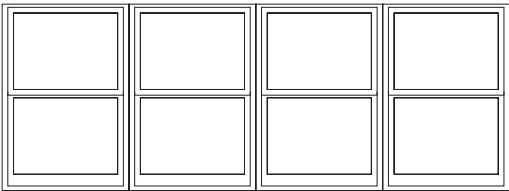
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mullioned together by a direct or reinforcing mullion. Pella window combinations are available in an endless variety of arrangements. Refer to Combinations section for requirements and limitations. Contact your local Pella sales representative for more information.



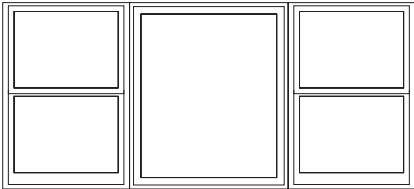
Two-Wide



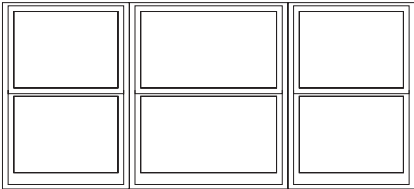
Three-Wide Equal



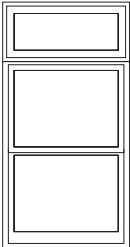
Four-Wide Equal



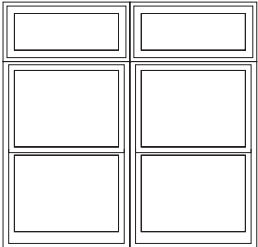
Center Fixed with Flankers



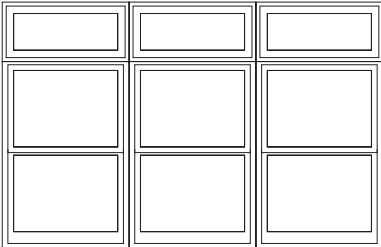
Three-Wide Unequal



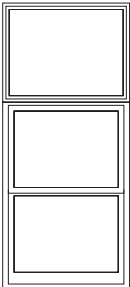
Transom over Single



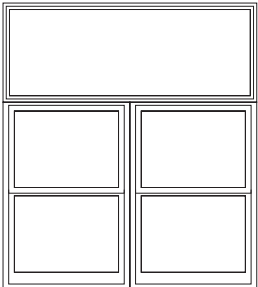
Two-Wide Transoms over Two-Wide



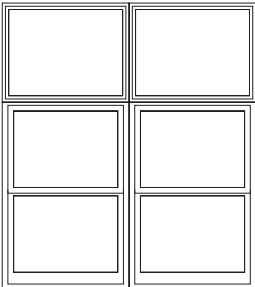
Three-Wide Transoms over Three-Wide



Clad Frame over Single



Single Clad Frame over Two-Wide



Two Wide Clad Frame over Two-Wide



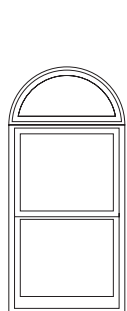
Lifestyle Series Double-Hung

Combination Assemblies

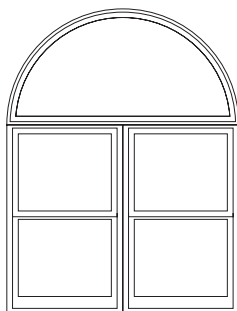
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mullioned together by a direct or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. Refer to Combinations Section for requirements, and limitations.

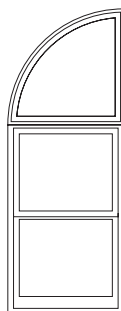
Contact your local Pella sales representative for more information.



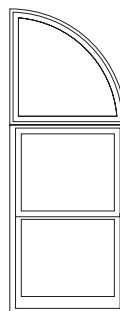
Half Circle over
Single



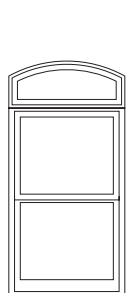
Half Circle over
Two-Wide



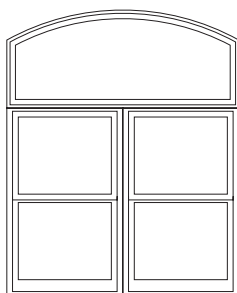
Left Quarter Circle
over Single



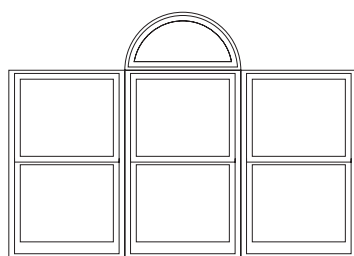
Right Quarter Circle
over Single



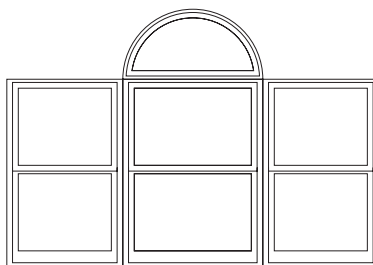
Arch Head over
Single



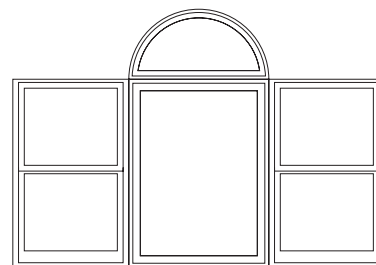
Arch Head over
Two-Wide



Half Circle centered on
Three-Wide Equal



Half Circle over
Three-Wide Unequal



Half Circle over
Center Fixed with Flankers



Lifestyle Series Double-Hung

Glazing Performance - Total Unit

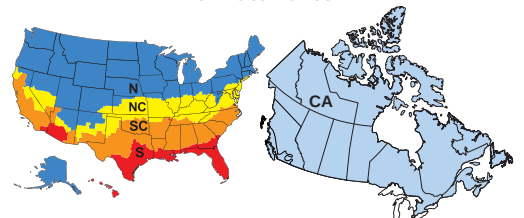
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.			Canada ₂		
										Zone			ER	Zone	
Dual-Pane Vent										N	NC	SC	S	CA	
11/16"	Advanced LowE IG	PEL-N-35-00514-00001	2.5	2.5	argon	0.30	0.30	0.56	56						
	with grilles-between-the-glass	PEL-N-35-00515-00001				0.30	0.27	0.50	56						
	with Simulated Divided Light	PEL-N-35-00516-00001				0.30	0.27	0.50	56						
11/16"	Advanced LowE IG	PEL-N-35-00517-00001	3	3	argon	0.30	0.30	0.56	55						
	with grilles-between-the-glass	PEL-N-35-00518-00001				0.30	0.27	0.50	55						
	with Simulated Divided Light	PEL-N-35-00519-00001				0.30	0.27	0.50	55						
11/16"	SunDefense™ Low-E IG	PEL-N-35-00550-00001	2.5	2.5	argon	0.29	0.22	0.52	56				S		
	with grilles-between-the-glass	PEL-N-35-00551-00001				0.29	0.20	0.47	56				S		
	with Simulated Divided Light	PEL-N-35-00552-00001				0.29	0.20	0.47	56				S		
11/16"	SunDefense Low-E IG	PEL-N-35-00553-00001	3	3	argon	0.29	0.22	0.52	55				S		
	with grilles-between-the-glass	PEL-N-35-00554-00001				0.29	0.20	0.46	55				S		
	with Simulated Divided Light	PEL-N-35-00555-00001				0.29	0.20	0.46	55				S		
11/16"	SunDefense+ Low-E IG	PEL-N-35-00568-00001	2.5	2.5	argon	0.25	0.22	0.51	45		NC	SC	S		
	with grilles-between-the-glass	PEL-N-35-00569-00001				0.25	0.20	0.46	45		NC	SC	S		
	with Simulated Divided Light	PEL-N-35-00570-00001				0.25	0.20	0.46	45		NC	SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-35-00571-00001	3	3	argon	0.25	0.22	0.51	44		NC	SC	S		
	with grilles-between-the-glass	PEL-N-35-00572-00001				0.25	0.20	0.45	44		NC	SC	S		
	with Simulated Divided Light	PEL-N-35-00573-00001				0.25	0.20	0.45	44		NC	SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-35-00532-00001	2.5	2.5	argon	0.26	0.29	0.55	45						
	with grilles-between-the-glass	PEL-N-35-00533-00001				0.26	0.27	0.49	45						
	with Simulated Divided Light	PEL-N-35-00534-00001				0.26	0.27	0.49	45						
11/16"	AdvancedComfort Low-E IG	PEL-N-35-00535-00001	3	3	argon	0.26	0.29	0.55	44						
	with grilles-between-the-glass	PEL-N-35-00536-00001				0.26	0.26	0.49	44						
	with Simulated Divided Light	PEL-N-35-00537-00001				0.26	0.26	0.49	44						
11/16"	NaturalSun LowE IG	PEL-N-35-00478-00001	2.5	2.5	argon	0.30	0.56	0.64	55					34	CA
	with grilles-between-the-glass	PEL-N-35-00479-00001				0.30	0.50	0.57	55						
	with Simulated Divided Light	PEL-N-35-00480-00001				0.30	0.50	0.57	55						
11/16"	NaturalSun LowE IG	PEL-N-35-00481-00001	3	3	argon	0.30	0.55	0.63	54					34	CA
	with grilles-between-the-glass	PEL-N-35-00482-00001				0.30	0.49	0.57	54						
	with Simulated Divided Light	PEL-N-35-00483-00001				0.30	0.49	0.57	54						
11/16"	NaturalSun+ LowE IG	PEL-N-35-00496-00001	2.5	2.5	argon	0.26	0.51	0.63	44	N				35	CA
	with grilles-between-the-glass	PEL-N-35-00497-00001				0.26	0.46	0.56	44	N					
	with Simulated Divided Light	PEL-N-35-00498-00001				0.26	0.46	0.56	44	N					
11/16"	NaturalSun+ LowE IG	PEL-N-35-00499-00001	3	3	argon	0.26	0.50	0.62	43	N				35	CA
	with grilles-between-the-glass	PEL-N-35-00500-00001				0.26	0.45	0.55	43	N					
	with Simulated Divided Light	PEL-N-35-00501-00001				0.26	0.45	0.55	43	N					

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

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Climate Zones





Lifestyle Series Double-Hung

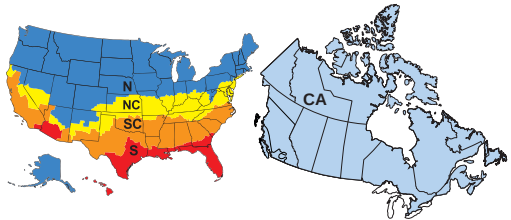
Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Dual-Pane Vent – High Altitude Glazing										N	NC	SC	S	CA	
11/16"	Advanced LowE IG	PEL-N-35-00523-00001	2.5	2.5	air	0.33	0.30	0.57	52						
	with grilles-between-the-glass	PEL-N-35-00524-00001				0.33	0.27	0.50	52						
	with Simulated Divided Light	PEL-N-35-00525-00001				0.33	0.27	0.50	52						
11/16"	Advanced LowE IG	PEL-N-35-00526-00001	3	3	air	0.33	0.30	0.56	52						
	with grilles-between-the-glass	PEL-N-35-00527-00001				0.33	0.27	0.50	52						
	with Simulated Divided Light	PEL-N-35-00528-00001				0.33	0.27	0.50	52						
11/16"	SunDefense™ Low-E IG	PEL-N-35-00559-00001	2.5	2.5	air	0.33	0.22	0.52	53						
	with grilles-between-the-glass	PEL-N-35-00560-00001				0.33	0.20	0.47	53						
	with Simulated Divided Light	PEL-N-35-00561-00001				0.33	0.20	0.47	53						
11/16"	SunDefense Low-E IG	PEL-N-35-00562-00001	3	3	air	0.33	0.23	0.52	52						
	with grilles-between-the-glass	PEL-N-35-00563-00001				0.33	0.20	0.46	52						
	with Simulated Divided Light	PEL-N-35-00564-00001				0.33	0.20	0.46	52						
11/16"	SunDefense+ Low-E IG	PEL-N-35-00577-00001	2.5	2.5	air	0.28	0.22	0.51	42			SC	S		
	with grilles-between-the-glass	PEL-N-35-00578-00001				0.28	0.20	0.46	42			SC	S		
	with Simulated Divided Light	PEL-N-35-00579-00001				0.28	0.20	0.46	42			SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-35-00580-00001	3	3	air	0.28	0.22	0.51	41			SC	S		
	with grilles-between-the-glass	PEL-N-35-00581-00001				0.28	0.20	0.45	41			SC	S		
	with Simulated Divided Light	PEL-N-35-00582-00001				0.28	0.20	0.45	41			SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-35-00541-00001	2.5	2.5	air	0.28	0.30	0.55	41						
	with grilles-between-the-glass	PEL-N-35-00542-00001				0.28	0.27	0.49	41						
	with Simulated Divided Light	PEL-N-35-00543-00001				0.28	0.27	0.49	41						
11/16"	AdvancedComfort Low-E IG	PEL-N-35-00544-00001	3	3	air	0.28	0.29	0.55	40						
	with grilles-between-the-glass	PEL-N-35-00545-00001				0.28	0.26	0.49	40						
	with Simulated Divided Light	PEL-N-35-00546-00001				0.28	0.26	0.49	40						
11/16"	NaturalSun LowE IG	PEL-N-35-00487-00001	2.5	2.5	air	0.34	0.56	0.64	52						
	with grilles-between-the-glass	PEL-N-35-00488-00001				0.34	0.50	0.57	52						
	with Simulated Divided Light	PEL-N-35-00489-00001				0.34	0.50	0.57	52						
11/16"	NaturalSun LowE IG	PEL-N-35-00490-00001	3	3	air	0.34	0.55	0.63	51						
	with grilles-between-the-glass	PEL-N-35-00491-00001				0.34	0.49	0.57	51						
	with Simulated Divided Light	PEL-N-35-00492-00001				0.34	0.49	0.57	51						
11/16"	NaturalSun+ LowE IG	PEL-N-35-00505-00001	2.5	2.5	air	0.28	0.51	0.63	41						
	with grilles-between-the-glass	PEL-N-35-00506-00001				0.28	0.46	0.56	41						
	with Simulated Divided Light	PEL-N-35-00507-00001				0.28	0.46	0.56	41						
11/16"	NaturalSun+ LowE IG	PEL-N-35-00508-00001	3	3	air	0.29	0.50	0.62	40						
	with grilles-between-the-glass	PEL-N-35-00509-00001				0.29	0.45	0.62	40						
	with Simulated Divided Light	PEL-N-35-00510-00001				0.29	0.45	0.55	40						

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 ER = Canadian Energy Rating

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Climate Zones





Lifestyle Series Double-Hung

Glazing Performance - Total Unit

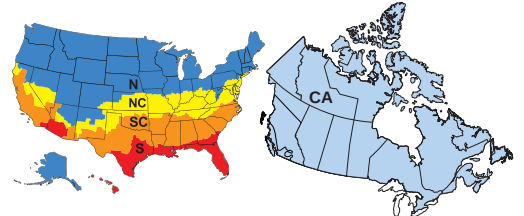
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
										N	NC	SC	S		
Dual-Pane Fixed											N	NC	SC	S	CA
11/16"	Advanced LowE IG	PEL-N-229-00861-00001	2.5	2.5	argon	0.27	0.31	0.58	58						
	with grilles-between-the-glass	PEL-N-229-00862-00001				0.27	0.28	0.52	58						
	with Simulated Divided Light	PEL-N-229-00863-00001				0.28	0.28	0.52	58						
11/16"	Advanced LowE IG	PEL-N-229-00949-00001	3	3	argon	0.27	0.31	0.58	57						
	with grilles-between-the-glass	PEL-N-229-00950-00001				0.27	0.28	0.51	57						
	with Simulated Divided Light	PEL-N-229-00951-00001				0.28	0.28	0.51	57						
11/16"	Advanced LowE IG	PEL-N-229-00965-00001	4	4	argon	0.28	0.30	0.57	55						
	with grilles-between-the-glass	PEL-N-229-00966-00001				0.29	0.28	0.51	55						
	with Simulated Divided Light	PEL-N-229-00967-00001				0.29	0.28	0.51	55						
11/16"	SunDefense™ Low-E IG	PEL-N-229-01045-00001	2.5	2.5	argon	0.27	0.23	0.54	58			SC	S		
	with grilles-between-the-glass	PEL-N-229-01046-00001				0.27	0.21	0.48	58			SC	S		
	with Simulated Divided Light	PEL-N-229-01047-00001				0.28	0.21	0.48	58			SC	S		
11/16"	SunDefense Low-E IG	PEL-N-229-01053-00001	3	3	argon	0.27	0.23	0.53	57			SC	S		
	with grilles-between-the-glass	PEL-N-229-01054-00001				0.27	0.21	0.48	57			SC	S		
	with Simulated Divided Light	PEL-N-229-01055-00001				0.28	0.21	0.48	57			SC	S		
11/16"	SunDefense Low-E IG	PEL-N-229-01061-00001	4	4	argon	0.28	0.23	0.53	55			SC	S		
	with grilles-between-the-glass	PEL-N-229-01062-00001				0.29	0.21	0.47	55				S		
	with Simulated Divided Light	PEL-N-229-01063-00001				0.29	0.21	0.47	55				S		
11/16"	SunDefense+ Low-E IG	PEL-N-229-01493-00001	2.5	2.5	argon	0.23	0.22	0.53	46		NC	SC	S		
	with grilles-between-the-glass	PEL-N-229-01494-00001				0.23	0.20	0.47	46		NC	SC	S		
	with Simulated Divided Light	PEL-N-229-01495-00001				0.24	0.20	0.47	46		NC	SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-229-01501-00001	3	3	argon	0.23	0.22	0.52	45		NC	SC	S		
	with grilles-between-the-glass	PEL-N-229-01502-00001				0.23	0.20	0.47	45		NC	SC	S		
	with Simulated Divided Light	PEL-N-229-01503-00001				0.24	0.20	0.47	45		NC	SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-229-01509-00001	4	4	argon	0.24	0.22	0.52	43		NC	SC	S		
	with grilles-between-the-glass	PEL-N-229-01510-00001				0.25	0.20	0.46	43		NC	SC	S		
	with Simulated Divided Light	PEL-N-229-01511-00001				0.25	0.20	0.46	43		NC	SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-229-00997-00001	2.5	2.5	argon	0.23	0.30	0.57	46		NC				
	with grilles-between-the-glass	PEL-N-229-00998-00001				0.23	0.27	0.51	46		NC				
	with Simulated Divided Light	PEL-N-229-00999-00001				0.24	0.27	0.51	46		NC				
11/16"	AdvancedComfort Low-E IG	PEL-N-229-01005-00001	3	3	argon	0.23	0.30	0.56	45		NC				
	with grilles-between-the-glass	PEL-N-229-01006-00001				0.23	0.27	0.50	45		NC				
	with Simulated Divided Light	PEL-N-229-01007-00001				0.24	0.27	0.50	45		NC				
11/16"	AdvancedComfort Low-E IG	PEL-N-229-01013-00001	4	4	argon	0.24	0.30	0.55	43		NC				
	with grilles-between-the-glass	PEL-N-229-01014-00001				0.25	0.27	0.50	43		NC				
	with Simulated Divided Light	PEL-N-229-01015-00001				0.25	0.27	0.50	43		NC				

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Climate Zones





Lifestyle Series Double-Hung

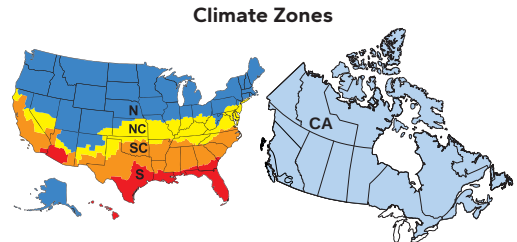
Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Dual-Pane Fixed (continued)										N	NC	SC	S	CA	
11/16"	NaturalSun LowE IG	PEL-N-229-00901-00001	2.5	2.5	argon	0.28	0.58	0.66	57					38	CA
	with grilles-between-the-glass	PEL-N-229-00902-00001				0.28	0.52	0.59	57					35	CA
	with Simulated Divided Light	PEL-N-229-00903-00001				0.29	0.52	0.59	57					34	CA
11/16"	NaturalSun LowE IG	PEL-N-229-00909-00001	3	3	argon	0.28	0.57	0.65	56					38	CA
	with grilles-between-the-glass	PEL-N-229-00910-00001				0.28	0.51	0.58	56					34	CA
	with Simulated Divided Light	PEL-N-229-00911-00001				0.29	0.51	0.58	56						
11/16"	NaturalSun LowE IG	PEL-N-229-00917-00001	4	4	argon	0.29	0.55	0.65	55					35	CA
	with grilles-between-the-glass	PEL-N-229-00918-00001				0.30	0.50	0.58	55						
	with Simulated Divided Light	PEL-N-229-00919-00001				0.30	0.50	0.58	55						
11/16"	NaturalSun+ LowE IG	PEL-N-229-01445-00001	2.5	2.5	argon	0.24	0.53	0.64	45	N				41	CA
	with grilles-between-the-glass	PEL-N-229-01446-00001				0.24	0.47	0.58	45	N				37	CA
	with Simulated Divided Light	PEL-N-229-01447-00001				0.25	0.47	0.58	45	N				36	CA
11/16"	NaturalSun+ LowE IG	PEL-N-229-01453-00001	3	3	argon	0.24	0.52	0.64	44	N				40	CA
	with grilles-between-the-glass	PEL-N-229-01454-00001				0.24	0.46	0.57	44	N				37	CA
	with Simulated Divided Light	PEL-N-229-01455-00001				0.25	0.46	0.57	44	N				35	CA
11/16"	NaturalSun+ LowE IG	PEL-N-229-01461-00001	4	4	argon	0.25	0.50	0.63	42	N				38	CA
	with grilles-between-the-glass	PEL-N-229-01462-00001				0.26	0.45	0.56	42	N					
	with Simulated Divided Light	PEL-N-229-01463-00001				0.26	0.45	0.56	42	N					

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Lifestyle Series Double-Hung

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Dual-Pane Fixed – High Altitude Glazing										N	NC	SC	S	CA	
11/16"	Advanced LowE IG	PEL-N-229-00857-00001	2.5	2.5	air	0.31	0.31	0.58	54						
	with grilles-between-the-glass	PEL-N-229-00858-00001				0.31	0.28	0.52	54						
	with Simulated Divided Light	PEL-N-229-00859-00001				0.32	0.28	0.52	54						
11/16"	Advanced LowE IG	PEL-N-229-00945-00001	3	3	air	0.31	0.31	0.58	53						
	with grilles-between-the-glass	PEL-N-229-00946-00001				0.31	0.28	0.51	53						
	with Simulated Divided Light	PEL-N-229-00947-00001				0.32	0.28	0.51	53						
11/16"	Advanced LowE IG	PEL-N-229-00961-00001	4	4	air	0.33	0.31	0.57	51						
	with grilles-between-the-glass	PEL-N-229-00962-00001				0.34	0.28	0.51	51						
	with Simulated Divided Light	PEL-N-229-00963-00001				0.34	0.28	0.51	51						
11/16"	SunDefense™ Low-E IG	PEL-N-229-01041-00001	2.5	2.5	air	0.31	0.23	0.54	55				S		
	with grilles-between-the-glass	PEL-N-229-01042-00001				0.31	0.21	0.48	55				S		
	with Simulated Divided Light	PEL-N-229-01043-00001				0.28	0.21	0.48	53			SC	S		
11/16"	SunDefense Low-E IG	PEL-N-229-01049-00001	3	3	air	0.31	0.23	0.53	54				S		
	with grilles-between-the-glass	PEL-N-229-01050-00001				0.31	0.21	0.48	54				S		
	with Simulated Divided Light	PEL-N-229-01051-00001				0.32	0.21	0.48	54				S		
11/16"	SunDefense Low-E IG	PEL-N-229-01057-00001	4	4	air	0.32	0.23	0.53	52				S		
	with grilles-between-the-glass	PEL-N-229-01058-00001				0.34	0.21	0.47	52						
	with Simulated Divided Light	PEL-N-229-01059-00001				0.34	0.21	0.47	52						
11/16"	SunDefense+ Low-E IG	PEL-N-229-01489-00001	2.5	2.5	air	0.25	0.23	0.53	42		NC	SC	S		
	with grilles-between-the-glass	PEL-N-229-01490-00001				0.25	0.21	0.47	42		NC	SC	S		
	with Simulated Divided Light	PEL-N-229-01491-00001				0.26	0.21	0.47	42			SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-229-01497-00001	3	3	air	0.26	0.23	0.52	41			SC	S		
	with grilles-between-the-glass	PEL-N-229-01498-00001				0.26	0.21	0.47	41			SC	S		
	with Simulated Divided Light	PEL-N-229-01499-00001				0.27	0.21	0.47	41			SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-229-01505-00001	4	4	air	0.27	0.23	0.52	39			SC	S		
	with grilles-between-the-glass	PEL-N-229-01506-00001				0.28	0.21	0.46	39			SC	S		
	with Simulated Divided Light	PEL-N-229-01507-00001				0.28	0.21	0.46	39			SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-229-00993-00001	2.5	2.5	air	0.26	0.30	0.57	42						
	with grilles-between-the-glass	PEL-N-229-00994-00001				0.26	0.27	0.51	42						
	with Simulated Divided Light	PEL-N-229-00995-00001				0.26	0.27	0.51	42						
11/16"	AdvancedComfort Low-E IG	PEL-N-229-01001-00001	3	3	air	0.26	0.30	0.56	41						
	with grilles-between-the-glass	PEL-N-229-01002-00001				0.26	0.27	0.50	41						
	with Simulated Divided Light	PEL-N-229-01003-00001				0.27	0.27	0.50	41						
11/16"	AdvancedComfort Low-E IG	PEL-N-229-01009-00001	4	4	air	0.27	0.30	0.55	39						
	with grilles-between-the-glass	PEL-N-229-01010-00001				0.28	0.27	0.50	39						
	with Simulated Divided Light	PEL-N-229-01011-00001				0.28	0.27	0.50	39						
11/16"	NaturalSun LowE IG	PEL-N-229-00897-00001	2.5	2.5	air	0.32	0.57	0.66	54						
	with grilles-between-the-glass	PEL-N-229-00898-00001				0.32	0.52	0.59	54						
	with Simulated Divided Light	PEL-N-229-00899-00001				0.33	0.52	0.59	54						
11/16"	NaturalSun LowE IG	PEL-N-229-00905-00001	3	3	air	0.32	0.56	0.65	53						
	with grilles-between-the-glass	PEL-N-229-00906-00001				0.32	0.51	0.58	53						
	with Simulated Divided Light	PEL-N-229-00907-00001				0.33	0.51	0.58	53						
11/16"	NaturalSun LowE IG	PEL-N-229-00913-00001	4	4	air	0.34	0.55	0.65	51						
	with grilles-between-the-glass	PEL-N-229-00914-00001				0.35	0.49	0.58	51						
	with Simulated Divided Light	PEL-N-229-00915-00001				0.35	0.49	0.58	51						
11/16"	NaturalSun+ LowE IG	PEL-N-229-01441-00001	2.5	2.5	air	0.26	0.52	0.64	41	N				37	CA
	with grilles-between-the-glass	PEL-N-229-01442-00001				0.26	0.47	0.58	41	N				35	CA
	with Simulated Divided Light	PEL-N-229-01443-00001				0.27	0.47	0.58	41						
11/16"	NaturalSun+ LowE IG	PEL-N-229-01449-00001	3	3	air	0.27	0.51	0.64	40					36	CA
	with grilles-between-the-glass	PEL-N-229-01450-00001				0.27	0.46	0.57	40						
	with Simulated Divided Light	PEL-N-229-01451-00001				0.28	0.46	0.57	40						
11/16"	NaturalSun+ LowE IG	PEL-N-229-01457-00001	4	4	air	0.28	0.50	0.63	38					34	CA
	with grilles-between-the-glass	PEL-N-229-01458-00001				0.29	0.45	0.56	38						
	with Simulated Divided Light	PEL-N-229-01459-00001				0.29	0.45	0.56	38						

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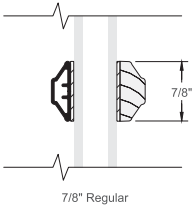


Lifestyle Series Double-Hung

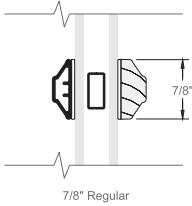
Grilles

Grille Profiles

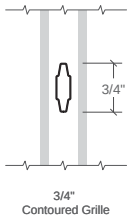
Simulated-Divided-Light
Grilles



Simulated-Divided-Light
Grilles with optional spacer

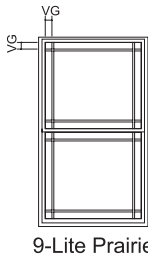


Grilles-Between-the-Glass

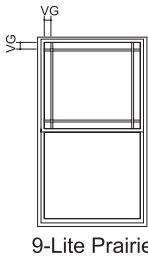


Grille Patterns

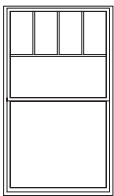
Grilles-Between-the-Glass and Simulated-Divided-Light Grilles



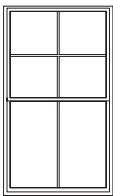
9-Lite Prairie



9-Lite Prairie
Top Sash Only



Top Row



Cross

- 9-Lite Prairie**
- Standard corner lite dimension for Prairie patterns = 2-1/2" VG.
 - Available in transoms ≥ 1'3" height and width.
- Cross**
- Minimum DH frame height 35".
 - Horizontal bar will be at 1/2" of the VG height of the top sash.
- Top Row**
- Minimum DH frame height 35".
 - Horizontal bar will be at 1/2" of the VG height of the top sash.

For traditional patterns, see size tables.

VG = Visible Glass
(1) Grilles are available in traditional patterns only.
Lite dimensions noted can vary.
For size and pattern availability contact your local Pella sales representative.



Lifestyle Series Double-Hung

Size Tables - Double-Hung with GBG's and SDL's₁

Vent Units

	(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)	(1 162) (1 143)	(1 238) (1 219)
Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"	3' 9 3/4"	4' 0 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"	3' 9"	4' 0"
(908) (889)	 2135	 2535	 2935	 3335	 3735	 4135	 4535	 4835
(1 060) (1 041)	 2141	 2541	 2941	 3341	 3741	 4141	 4541	 4841
(1 213) (1 194)	 2147	 2547	 2947	 3347	 3747	 4147	 4547	 4847
(1 365) (1 346)	 2153	 2553	 2953	 3353	 3753	 4153	 4553	 4853
(1 467) (1 448)	 2157	 2557	 2957	 3357 E ₁	 3757 E	 4157 E	 4557 E	 4857 E
(1 517) (1 499)	 2159	 2559	 2959	 3359 E ₁	 3759 E	 4159 E	 4559 E	 4859 E
(1 670) (1 651)	 2165	 2565	 2965 E ₁	 3365 E	 3765 E	 4165 E	 4565 E	 4865 E
(1 822) (1 803)	 2171	 2571	 2971 E	 3371 E	 3771 E	 4171 E	 4571 E	 4871 E
(1 975) (1 956)	 2177	 2577 E ₁	 2977 E	 3377 E	 3777 E	 4177 E	 4577 E	 4877 E
(2 153) (2 134)	 2184	 2584 E	 2984 E	 3384 E	 3784 E	 4184 E	 4584 E	 4884 E

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E₁ = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.

(1) Simulated divided lights are available in traditional patterns only.

Traditional grille patterns shown.

Grille patterns shown will align with grilles-between-the-glass on companion units.



Lifestyle Series Double-Hung

Size Tables - Fixed and Transoms with GBG's and SDL's

Transoms

		(552) (533)	(654) (635)	(755) (737)	(857) (838)	(959) (940)	(1 060) (1 041)
Opening		1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"
Frame		1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"
(374) (356)	1' 2"	 2114	 2514	 2914	 3314	 3714	 4114
	1' 5"	 2117	 2517	 2917	 3317	 3717	 4117
	1' 9"	 2121					
	2' 1"	 2125	 2525	 2925	 3325	 3725	 4125
	2' 5"			 2929			

Fixed Units

		(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)			(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)
Opening		3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"	Opening		3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame		3' 5"	3' 11"	4' 5"	4' 11"	Frame		3' 5"	3' 11"	4' 5"	4' 11"
(908) (889)	2' 11 3/4"	 4135	 4735	 5335	 5935	(1 517) (1 499)	4' 11 3/4"	 4159	 4759	 5359	 5959
	3' 5 3/4"	 4141	 4741	 5341	 5941		5' 5 3/4"	 4165	 4765	 5365	 5965
	3' 11 3/4"	 4147	 4747	 5347	 5947		5' 11 3/4"	 4171	 4771	 5371	 5971
	4' 5 3/4"	 4153	 4753	 5353	 5953						
	4' 9 3/4"	 4157	 4757	 5357	 5957						

Not to scale.
Traditional grille patterns shown.
Grille patterns shown will align with grilles-between-the-glass on companion units.



Lifestyle Series Double-Hung

Size Tables - Replacement Sizes with Grilles-Between-the-Glass

Transoms

		(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening		2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame		1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
(375) (356) (451) (432) (654) (635)	1' 2 3/4"	 23.5 x 14	 27.5 x 14	 29.5 x 14	 31.5 x 14	 35.5 x 14	 39.5 x 14	 41.5 x 14
	1' 5"	 23.5 x 17	 27.5 x 17	 29.5 x 17	 31.5 x 17	 35.5 x 17	 39.5 x 17	 41.5 x 17
	2' 1 3/4"	 23.5 x 25	 27.5 x 25	 29.5 x 25	 31.5 x 25	 35.5 x 25	 39.5 x 25	 41.5 x 25

Vent Units

(921) (902)	3' 0 1/4"	 23.5 x 35.5	 27.5 x 35.5	 29.5 x 35.5	 31.5 x 35.5	 35.5 x 35.5	 39.5 x 35.5	 41.5 x 35.5
	2' 11 1/2"							
(972) (953)	3' 2 1/4"	 23.5 x 37.5	 27.5 x 37.5	 29.5 x 37.5	 31.5 x 37.5	 35.5 x 37.5	 39.5 x 37.5	 41.5 x 37.5
	3' 1 1/2"							
(1 073) (1 054)	3' 6 1/4"	 23.5 x 41.5	 27.5 x 41.5	 29.5 x 41.5	 31.5 x 41.5	 35.5 x 41.5	 39.5 x 41.5	 41.5 x 41.5
	3' 5 1/2"							
(1 175) (1 156)	3' 10 1/4"	 23.5 x 45.5	 27.5 x 45.5	 29.5 x 45.5	 31.5 x 45.5	 35.5 x 45.5	 39.5 x 45.5	 41.5 x 45.5
	3' 9 1/2"							
(1 226) (1 206)	4' 0 1/4"	 23.5 x 47.5	 27.5 x 47.5	 29.5 x 47.5	 31.5 x 47.5	 35.5 x 47.5	 39.5 x 47.5	 41.5 x 47.5
	3' 11 1/2"							
(1 327) (1 308)	4' 4 1/4"	 23.5 x 51.5	 27.5 x 51.5	 29.5 x 51.5	 31.5 x 51.5	 35.5 x 51.5	 39.5 x 51.5	 41.5 x 51.5
	4' 3 1/2"							
(1 378) (1 359)	4' 6 1/4"	 23.5 x 53.5	 27.5 x 53.5	 29.5 x 53.5	 31.5 x 53.5	 35.5 x 53.5	 39.5 x 53.5	 41.5 x 53.5
	4' 5 1/2"							
(1 473) (1 461)	4' 10 1/4"	 23.5 x 57.5	 27.5 x 57.5	 29.5 x 57.5	 31.5 x 57.5	 35.5 x 57.5	 39.5 x 57.5	 41.5 x 57.5
	4' 9 1/2"							

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

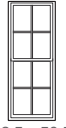
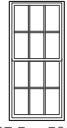
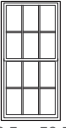
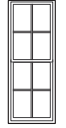
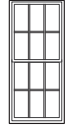
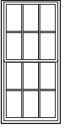
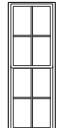
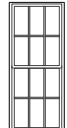
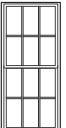
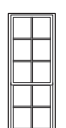
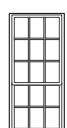
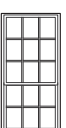
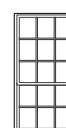
See Design Data pages in this section for clear opening dimensions.

Not to scale.
Traditional grille pattern shown.



Lifestyle Series Double-Hung

Size Tables - Replacement Double-Hung with Grilles-Between-the-Glass

Vent Units		(616) (597)	(718) (699)	(762) (749)	(819) (800)	(921) (902)	(1 022) (1 003)	(1 073) (1 054)
Opening		2' 0 1/4"	2' 4 1/4"	2' 6 1/4"	2' 8 1/4"	3' 0 1/4"	3' 4 1/4"	3' 6 1/4"
Frame		1' 11 1/2"	2' 3 1/2"	2' 5 1/2"	2' 7 1/2"	2' 11 1/2"	3' 3 1/2"	3' 5 1/2"
(1 530) (1 511)	5' 0 1/4"	 23.5 x 59.5	 27.5 x 59.5	 29.5 x 59.5	 31.5 x 59.5 E ₁	 35.5 x 59.5 E	 39.5 x 59.5 E	 41.5 x 59.5 E
	4' 11 1/2"							
	5' 2 1/4"	 23.5 x 61.5	 27.5 x 61.5	 29.5 x 61.5 E ₁	 31.5 x 61.5 E ₁	 35.5 x 61.5 E	 39.5 x 61.5 E	 41.5 x 61.5 E
	5' 1 1/2"							
(1 581) (1 562)	5' 6 1/4"	 23.5 x 65.5	 27.5 x 65.5	 29.5 x 65.5 E ₁	 31.5 x 65.5 E	 35.5 x 65.5 E	 39.5 x 65.5 E	 41.5 x 65.5 E
	5' 5 1/2"							
(1 683) (1 664)	6' 0 1/4"	 23.5 x 71.5	 27.5 x 71.5 E ₁	 29.5 x 71.5 E	 31.5 x 71.5 E	 35.5 x 71.5 E	 39.5 x 71.5 E	 41.5 x 71.5 E
	5' 11 1/2"							

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.
Traditional grille patterns shown.



Lifestyle Series Double-Hung

Size Tables - Replacement Fixed with Grilles-Between-the-Glass

	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)		(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 517) (1 499)	
Opening	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"		Opening	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	3' 5"	3' 11"	4' 5"	4' 11"		Frame	3' 5"	3' 11"	4' 5"	4' 11"
(921) (902)	 41 x 35.5	 47 x 35.5	 53 x 35.5	 59 x 35.5	(1 530) (1 511)	 41 x 59.5	 47 x 59.5	 53 x 59.5	 59 x 59.5	
(972) (953)	 41 x 37.5	 47 x 37.5	 53 x 37.5	 59 x 37.5	(1 581) (1 562)	 41 x 61.5	 47 x 61.5	 53 x 61.5	 59 x 61.5	
(1 073) (1 054)	 41 x 41.5	 47 x 41.5	 53 x 41.5	 59 x 41.5	(1 683) (1 664)	 41 x 65.5	 47 x 65.5	 53 x 65.5	 59 x 65.5	
(1 175) (1 156)	 41 x 45.5	 47 x 45.5	 53 x 45.5	 59 x 45.5	(1 835) (1 816)	 41 x 71.5	 47 x 71.5	 53 x 71.5	 59 x 71.5	
(1 226) (1 206)	 41 x 47.5	 47 x 47.5	 53 x 47.5	 59 x 47.5						
(1 327) (1 308)	 41 x 51.5	 47 x 51.5	 53 x 51.5	 59 x 51.5						
(1 378) (1 359)	 41 x 53.5	 47 x 53.5	 53 x 53.5	 59 x 53.5						
(1 473) (1 461)	 41 x 57.5	 47 x 57.5	 53 x 57.5	 59 x 57.5						

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1= Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Not to scale.
Traditional grille patterns shown.

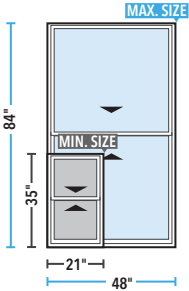


Lifestyle Series Double-Hung

Special Sizes and Dimensions

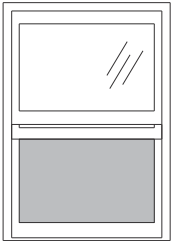
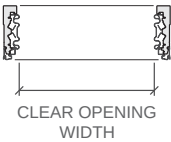
Special Size Frame Dimensions*

	Minimum	Maximum
Vent	1' 9" W x 2' 11" H (21" x 35") (533 x 889)	4' 0" W x 7' 0" H (48" x 84") (1 219 x 2 134)
Fixed	1' 9" W x 1' 2" H (21" x 14") (533 x 356)	4' 11" W x 6' 1" H (59" x 73") (1 499 x 1 854)



Miscellaneous Formulas (Equal Sash Only)

	Vent Units
Visible Glass	Width = Frame – 5" Height ₁ = (Frame – 6.3125") ÷ 2
Actual Glass	Width = Frame – 4" Height ₁ = (Frame – 4.3125") ÷ 2
Clear Opening Height:	(Frame Height ÷ 2) - 3.25"
Clear Opening Width:	Frame Width - 3.1875"



Shaded portion shows vent area.

Miscellaneous Formulas (Fixed Units Only)

	Fixed and transom units
Visible Glass	Width = Frame – 4.9375" Height = Frame – 4.9375"
Actual Glass	Width = Frame – 4" Height = Frame – 4"

* Available within size range shown. Keep frame dimensions to the nearest 1/4" increment. Frame height cannot exceed frame width on special size dual-pane vent units.
(1) Per Sash.
To convert areas to square meters (m²), multiply square feet by 0.0929.



Lifestyle Series Double-Hung

Design Data - Vent Units

New Construction Vent								
Unit	Egress	Clear Opening (Inches)		Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Width	Height			Annealed	Tempered	
2135		17-13/16	14-1/4	1.8	3.2	2.5	3	LC50
2141		17-13/16	17-1/4	2.1	3.9	2.5	3	LC50
2147		17-13/16	20-1/4	2.5	4.5	2.5	3	LC50
2153		17-13/16	23-1/4	2.9	5.2	2.5	3	LC50
2157		17-13/16	25-1/4	3.1	5.6	2.5	3	LC40/LC50
2159		17-13/16	26-1/4	3.2	5.9	2.5	3	LC40/LC50
2165		17-13/16	29-1/4	3.6	6.5	2.5	3	LC40/LC50
2171		17-13/16	32-1/4	4.0	7.2	2.5	3	LC30/LC50
2177		17-13/16	35-1/4	4.3	7.8	2.5	3	LC30
2184		17-13/16	38-3/4	4.8	8.6	2.5	3	LC25
2535		21-13/16	14-1/4	2.2	4.0	2.5	3	LC50
2541		21-13/16	17-1/4	2.6	4.8	2.5	3	LC50
2547		21-13/16	20-1/4	3.1	5.7	2.5	3	LC50
2553		21-13/16	23-1/4	3.5	6.5	2.5	3	LC50
2557		21-13/16	25-1/4	3.8	7.0	2.5	3	LC40/LC50
2559		21-13/16	26-1/4	4.0	7.3	2.5	3	LC40/LC50
2565		21-13/16	29-1/4	4.4	8.2	2.5	3	LC40/LC50
2571		21-13/16	32-1/4	4.9	9.0	2.5	3	LC30/LC50
2577	E1	21-13/16	35-1/4	5.3	9.8	2.5	3	LC30
2584	E	21-13/16	38-3/4	5.9	10.8	2.5	3	LC25
2935		25-13/16	14-1/4	2.6	4.8	2.5	3	LC50
2941		25-13/16	17-1/4	3.1	5.8	2.5	3	LC50
2947		25-13/16	20-1/4	3.6	6.8	2.5	3	LC50
2953		25-13/16	23-1/4	4.2	7.8	2.5	3	LC50
2957		25-13/16	25-1/4	4.5	8.4	2.5	3	LC40/LC50
2959		25-13/16	26-1/4	4.7	8.8	2.5	3	LC40/LC50
2965	E1	25-13/16	29-1/4	5.2	9.8	2.5	3	LC40/LC50
2971	E	25-13/16	32-1/4	5.8	10.8	2.5	3	LC30/LC50
2977	E	25-13/16	35-1/4	6.3	11.7	2.5	3	LC30
2984	E	25-13/16	38-3/4	6.9	12.9	2.5	3	LC25
3335		29-13/16	14-1/4	3.0	5.6	2.5	3	LC50
3341		29-13/16	17-1/4	3.6	6.7	2.5	3	LC50
3347		29-13/16	20-1/4	4.2	7.9	2.5	3	LC50
3353		29-13/16	23-1/4	4.8	9.1	2.5	3	LC40/LC50
3357	E1	29-13/16	25-1/4	5.2	9.9	2.5	3	LC40/LC50
3359	E1	29-13/16	26-1/4	5.4	10.2	2.5	3	LC40/LC50
3365	E	29-13/16	29-1/4	6.1	11.4	2.5	3	LC35/LC50
3371	E	29-13/16	32-1/4	6.7	12.6	2.5	3	LC30/LC50
3377	E	29-13/16	35-1/4	7.3	13.7	2.5	3	LC30
3384	E	29-13/16	38-3/4	8.0	15.1	2.5	3	LC25
3735		33-13/16	14-1/4	3.3	6.4	2.5	3	LC35/LC50
3741		33-13/16	17-1/4	4.1	7.7	2.5	3	LC35/LC50
3747		33-13/16	20-1/4	4.8	9.0	2.5	3	LC35/LC50
3753		33-13/16	23-1/4	5.5	10.4	2.5	3	LC35/LC50
3757	E	33-13/16	25-1/4	5.9	11.3	2.5	3	LC35/LC50
3759	E	33-13/16	26-1/4	6.2	11.7	2.5	3	LC35/LC50
3765	E	33-13/16	29-1/4	6.9	13.0	2.5	3	LC35/LC50
3771	E	33-13/16	32-1/4	7.6	14.4	2.5	3	LC30/LC50
3777	E	33-13/16	35-1/4	8.3	15.7	2.5	3	LC30
3784	E	33-13/16	38-3/4	9.1	17.3	2.5	3	LC25

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

Continued on Next Page

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, indicates Design Pressure performance with DP Enhancement Kit installed.
To convert area to square meters (m²), multiply square feet by 0.0929.



Lifestyle Series Double-Hung

New Construction Vent

Unit	Egress	Clear Opening (Inches)		Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height			Annealed	Tempered	
4135		37-13/16	14-1/4	3.7	6.5	2.5	3	LC30
4141		37-13/16	17-1/4	4.5	7.9	2.5	3	LC30
4147		37-13/16	20-1/4	5.3	9.2	2.5	3	LC30
4153		37-13/16	23-1/4	6.1	11.7	2.5	3	LC30
4157	E	37-13/16	25-1/4	6.6	12.7	2.5	3	LC30
4159	E	37-13/16	26-1/4	6.9	13.2	2.5	3	LC30
4165	E	37-13/16	29-1/4	7.7	14.7	2.5	3	LC30
4171	E	37-13/16	32-1/4	8.5	16.2	2.5	3	LC30
4177	E	37-13/16	35-1/4	9.2	17.6	2.5	3	LC30
4184	E	37-13/16	38-3/4	10.2	19.4	2.5	3	LC25
4535		41-13/16	14-1/4	4.1	8.0	2.5	3	LC30
4541		41-13/16	17-1/4	5.0	9.6	2.5	3	LC30
4547		41-13/16	20-1/4	5.9	11.3	2.5	3	LC30
4553		41-13/16	23-1/4	6.8	13.0	2.5	3	LC30
4557	E	41-13/16	25-1/4	7.3	14.1	2.5	3	LC30
4559	E	41-13/16	26-1/4	7.6	14.6	2.5	3	LC30
4565	E	41-13/16	29-1/4	8.5	16.3	2.5	3	LC30
4571	E	41-13/16	32-1/4	9.4	18.0	2.5	3	LC30
4577	E	41-13/16	35-1/4	10.2	19.6	2.5	3	LC30
4584	E	41-13/16	38-3/4	11.3	21.6	3.0	3	LC25
4835		44-13/16	14-1/4	4.4	8.6	2.5	3	LC25
4841		44-13/16	17-1/4	5.4	10.4	2.5	3	LC25
4847		44-13/16	20-1/4	6.3	12.1	2.5	3	LC25
4853		44-13/16	23-1/4	7.2	13.9	2.5	3	LC25
4857	E	44-13/16	25-1/4	7.9	15.1	2.5	3	LC25
4859	E	44-13/16	26-1/4	8.2	15.7	2.5	3	LC25
4865	E	44-13/16	29-1/4	9.1	17.5	2.5	3	LC25
4871	E	44-13/16	32-1/4	10.0	19.3	2.5	3	LC25
4877	E	44-13/16	35-1/4	11.0	21.1	2.5	3	LC25
4884	E	44-13/16	38-3/4	12.1	23.2	2.5	3	LC25

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, indicates Design Pressure performance with DP Enhancement Kit installed.
To convert area to square meters (m²), multiply square feet by 0.0929.



Lifestyle Series Double-Hung

Design Data - Fixed and Transoms

New Construction Fixed				
Unit	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Annealed	Tempered	
4135	7.5	3	3	LC50
4141	9.0	3	3	LC50
4147	10.5	3	3	LC50
4153	12.0	3	3	LC50
4157	13.0	3	3	LC50
4159	13.6	3	3	LC50
4165	15.1	3	3	LC50
4171	16.6	3	3	LC45/LC50
4735	8.8	3	3	LC50
4741	10.5	3	3	LC50
4747	12.3	3	3	LC50
4753	14.1	3	3	LC50
4757	15.2	3	3	LC50
4759	15.8	3	3	LC45/LC50
4765	17.6	3	3	LC45/LC50
4771	19.3	4	4	LC50
5335	10.0	3	3	LC50
5341	12.0	3	3	LC50
5347	14.1	3	3	LC50
5353	16.1	3	4	LC45/LC50
5357	17.4	3	4	LC45/LC50
5359	18.1	4	4	LC50
5365	20.1	4	4	LC50
5371	22.1	4	4	LC50
5935	11.3	3	3	LC50
5941	13.6	3	3	LC50
5947	15.8	3	3	LC45/LC50
5953	18.1	4	4	LC50
5957	19.6	4	4	LC50
5959	20.3	4	4	LC50
5965	22.6	4	4	LC50
5971	24.8	4	4	LC45/LC50

New Construction Fixed Transom				
Unit	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Annealed	Tempered	
2114	1.0	3	3	LC50
2117	1.3	3	3	LC50
2121	1.8	3	3	LC50
2125	2.2	3	3	LC50
2514	1.3	3	3	LC50
2517	1.7	3	3	LC50
2525	2.8	3	3	LC50
2914	1.5	3	3	LC50
2917	2.0	3	3	LC50
2925	3.4	3	3	LC50
2929	4.0	3	3	LC50
3314	1.8	3	3	LC50
3317	2.4	3	3	LC50
3325	3.9	3	3	LC50
3714	2.0	3	3	LC50
3717	2.7	3	3	LC50
3725	4.5	3	3	LC50
4114	2.3	3	3	LC50
4117	3.0	3	3	LC50
4125	5.0	3	3	LC50

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, requires tempered glass.
To convert areas to square meters (m²), multiply square feet by 0.0929.



Lifestyle Series Double-Hung

Design Data - Replacement Double-Hung

Replacement Vent

Unit	Egress	Clear Opening		Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width (Inches)	Height (Inches)			Annealed	Tempered	
23.5 x 35.5		20-5/16	14-1/2	2.0	3.7	2.5	3	LC50
23.5 x 37.5		20-5/16	15-1/2	2.1	4.0	2.5	3	LC50
23.5 x 41.5		20-5/16	17-1/2	2.4	4.5	2.5	3	LC50
23.5 x 45.5		20-5/16	19-1/2	2.7	5.0	2.5	3	LC50
23.5 x 47.5		20-5/16	20-1/2	2.8	5.3	2.5	3	LC50
23.5 x 51.5		20-5/16	22-1/2	3.1	5.8	2.5	3	LC50
23.5 x 53.5		20-5/16	23-1/2	3.3	6.1	2.5	3	LC40/LC50
23.5 x 57.5		20-5/16	25-1/2	3.5	6.6	2.5	3	LC40/LC50
23.5 x 59.5		20-5/16	26-1/2	3.7	6.8	2.5	3	LC40/LC50
23.5 x 61.5		20-5/16	27-1/2	3.8	7.1	2.5	3	LC40/LC50
23.5 x 65.5		20-5/16	29-1/2	4.1	7.6	2.5	3	LC30/LC50
23.5 x 71.5		20-5/16	32-1/2	4.5	8.4	2.5	3	LC30/LC50
27.5 x 35.5		24-5/16	14-1/2	2.4	4.6	2.5	3	LC50
27.5 x 37.5		24-5/16	15-1/2	2.6	4.9	2.5	3	LC50
27.5 x 41.5		24-5/16	17-1/2	2.9	5.5	2.5	3	LC50
27.5 x 45.5		24-5/16	19-1/2	3.2	6.1	2.5	3	LC50
27.5 x 47.5		24-5/16	20-1/2	3.4	6.4	2.5	3	LC50
27.5 x 51.5		24-5/16	22-1/2	3.7	7.1	2.5	3	LC50
27.5 x 53.5		24-5/16	23-1/2	3.9	7.4	2.5	3	LC40/LC50
27.5 x 57.5		24-5/16	25-1/2	4.3	8.0	2.5	3	LC40/LC50
27.5 x 59.5		24-5/16	26-1/2	4.4	8.3	2.5	3	LC40/LC50
27.5 x 61.5		24-5/16	27-1/2	4.6	8.6	2.5	3	LC40/LC50
27.5 x 65.5		24-5/16	29-1/2	4.9	9.2	2.5	3	LC30/LC50
27.5 x 71.5	E1	24-5/16	32-1/2	5.4	10.2	2.5	3	LC30/LC50
29.5 x 35.5		26-5/16	14-1/2	2.6	5.0	2.5	3	LC50
29.5 x 37.5		26-5/16	15-1/2	2.8	5.3	2.5	3	LC50
29.5 x 41.5		26-5/16	17-1/2	3.1	6.0	2.5	3	LC50
29.5 x 45.5		26-5/16	19-1/2	3.5	6.7	2.5	3	LC50
29.5 x 47.5		26-5/16	20-1/2	3.7	7.0	2.5	3	LC40/LC50
29.5 x 51.5		26-5/16	22-1/2	4.1	7.7	2.5	3	LC40/LC50
29.5 x 53.5		26-5/16	23-1/2	4.2	8.0	2.5	3	LC40/LC50
29.5 x 57.5		26-5/16	25-1/2	4.6	8.7	2.5	3	LC40/LC50
29.5 x 59.5		26-5/16	26-1/2	4.8	9.0	2.5	3	LC35/LC50
29.5 x 61.5	E1	26-5/16	27-1/2	5.0	9.4	2.5	3	LC35/LC50
29.5 x 65.5	E1	26-5/16	29-1/2	5.3	10.1	2.5	3	LC30/LC50
29.5 x 71.5	E	26-5/16	32-1/2	5.9	11.1	2.5	3	LC30/LC50

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, indicates Design Pressure performance with DP Enhancement Kit installed.



Lifestyle Series Double-Hung

Design Data - Replacement Double-Hung

Replacement Vent								
Unit	Egress	Clear Opening		Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width (Inches)	Height (Inches)			Annealed	Tempered	
31.5 x 35.5		28-5/16	14-1/2	2.8	5.4	2.5	3	LC50
31.5 x 37.5		28-5/16	15-1/2	3.0	5.7	2.5	3	LC50
31.5 x 41.5		28-5/16	17-1/2	3.4	6.5	2.5	3	LC50
31.5 x 45.5		28-5/16	19-1/2	3.8	7.2	2.5	3	LC50
31.5 x 47.5		28-5/16	20-1/2	4.0	7.6	2.5	3	LC40/LC50
31.5 x 51.5		28-5/16	22-1/2	4.4	8.3	2.5	3	LC40/LC50
31.5 x 53.5		28-5/16	23-1/2	4.6	8.7	2.5	3	LC40/LC50
31.5 x 57.5	E1	28-5/16	25-1/2	5.0	9.4	2.5	3	LC40/LC50
31.5 x 59.5	E1	28-5/16	26-1/2	5.2	9.8	2.5	3	LC35/LC50
31.5 x 61.5	E1	28-5/16	27-1/2	5.4	10.2	2.5	3	LC35/LC50
31.5 x 65.5	E	28-5/16	29-1/2	5.8	10.9	2.5	3	LC30/LC50
31.5 x 71.5	E	28-5/16	32-1/2	6.3	12.0	2.5	3	LC30/LC50
35.5 x 35.5		32-5/16	14-1/2	3.2	6.2	2.5	3	LC35/LC50
35.5 x 37.5		32-5/16	15-1/2	3.4	6.6	2.5	3	LC35/LC50
35.5 x 41.5		32-5/16	17-1/2	3.9	7.5	2.5	3	LC35/LC50
35.5 x 45.5		32-5/16	19-1/2	4.3	8.3	2.5	3	LC35/LC50
35.5 x 47.5		32-5/16	20-1/2	4.6	8.7	2.5	3	LC35/LC50
35.5 x 51.5		32-5/16	22-1/2	5.0	9.6	2.5	3	LC35/LC50
35.5 x 53.5		32-5/16	23-1/2	5.2	10.0	2.5	3	LC35/LC50
35.5 x 57.5	E1	32-5/16	25-1/2	5.7	10.8	2.5	3	LC35/LC50
35.5 x 59.5	E	32-5/16	26-1/2	5.9	11.3	2.5	3	LC35/LC50
35.5 x 61.5	E	32-5/16	27-1/2	6.1	11.7	2.5	3	LC35/LC50
35.5 x 65.5	E	32-5/16	29-1/2	6.6	12.5	2.5	3	LC30/LC50
35.5 x 71.5	E	32-5/16	32-1/2	7.2	13.8	2.5	3	LC30/LC50
39.5 x 35.5		36-5/16	14-1/2	3.6	7.0	2.5	3	LC30
39.5 x 37.5		36-5/16	15-1/2	3.9	7.5	2.5	3	LC30
39.5 x 41.5		36-5/16	17-1/2	4.4	8.4	2.5	3	LC30
39.5 x 45.5		36-5/16	19-1/2	4.9	9.4	2.5	3	LC30
39.5 x 47.5		36-5/16	20-1/2	5.1	9.9	2.5	3	LC30
39.5 x 51.5		36-5/16	22-1/2	5.6	10.8	2.5	3	LC30
39.5 x 53.5		36-5/16	23-1/2	5.9	11.3	2.5	3	LC30
39.5 x 57.5	E	36-5/16	25-1/2	6.4	12.3	2.5	3	LC30
39.5 x 59.5	E	36-5/16	26-1/2	6.6	12.7	2.5	3	LC30
39.5 x 61.5	E	36-5/16	27-1/2	6.9	13.2	2.5	3	LC30
39.5 x 65.5	E	36-5/16	29-1/2	7.4	14.2	2.5	3	LC30
39.5 x 71.5	E	36-5/16	32-1/2	8.1	15.6	2.5	3	LC30
41.5 x 35.5		38-5/16	14-1/2	3.6	7.4	2.5	3	LC30
41.5 x 37.5		38-5/16	15-1/2	3.9	7.9	2.5	3	LC30
41.5 x 41.5		38-5/16	17-1/2	4.4	8.9	2.5	3	LC30
41.5 x 45.5		38-5/16	19-1/2	4.9	9.9	2.5	3	LC30
41.5 x 47.5		38-5/16	20-1/2	5.1	10.4	2.5	3	LC30
41.5 x 51.5		38-5/16	22-1/2	5.6	11.5	2.5	3	LC30
41.5 x 53.5		38-5/16	23-1/2	5.9	12.0	2.5	3	LC30
41.5 x 57.5	E	38-5/16	25-1/2	6.4	13.0	2.5	3	LC30
41.5 x 59.5	E	38-5/16	26-1/2	6.6	13.5	2.5	3	LC30
41.5 x 61.5	E	38-5/16	27-1/2	6.9	14.0	2.5	3	LC30
41.5 x 65.5	E	38-5/16	29-1/2	7.4	15.0	2.5	3	LC30
41.5 x 71.5	E	38-5/16	32-1/2	8.1	16.5	2.5	3	LC30

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, indicates Design Pressure performance with DP Enhancement Kit installed.



Lifestyle Series Double-Hung

Design Data - Replacement Fixed and Transoms

Replacement Fixed				
Unit	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Annealed	Tempered	
41 x 35.5	7.7	3	3	LC50
41 x 37.5	8.2	3	3	LC50
41 x 41.5	9.2	3	3	LC50
41 x 45.5	10.2	3	3	LC50
41 x 47.5	10.7	3	3	LC50
41 x 51.5	11.7	3	3	LC50
41 x 53.5	12.2	3	3	LC50
41 x 57.5	13.2	3	3	LC50
41 x 59.5	13.7	3	3	LC50
41 x 61.5	14.2	3	3	LC50
41 x 65.5	15.2	3	3	LC50
41 x 71.5	16.7	3	3	LC45/LC50
47 x 35.5	8.9	3	3	LC50
47 x 37.5	9.5	3	3	LC50
47 x 41.5	10.7	3	3	LC50
47 x 45.5	11.9	3	3	LC50
47 x 47.5	12.4	3	3	LC50
47 x 51.5	13.6	3	3	LC50
47 x 53.5	14.2	3	3	LC50
47 x 57.5	15.4	3	3	LC50
47 x 59.5	15.9	3	3	LC45/LC50
47 x 61.5	16.5	3	3	LC45/LC50
47 x 65.5	17.7	3	3	LC40/LC50
47 x 71.5	19.5	4	4	LC50
53 x 35.5	10.2	3	3	LC50
53 x 37.5	10.9	3	3	LC50
53 x 41.5	12.2	3	3	LC50
53 x 45.5	13.5	3	3	LC50
53 x 47.5	14.2	3	3	LC50
53 x 51.5	15.6	3	3	LC50
53 x 53.5	16.2	3	4	LC45/LC50
53 x 57.5	17.6	3	4	LC40/LC50
53 x 59.5	18.2	4	4	LC50
53 x 61.5	18.9	4	4	LC50
53 x 65.5	20.2	4	4	LC50
53 x 71.5	22.2	4	4	LC50
59 x 35.5	11.5	3	3	LC50
59 x 37.5	12.2	3	3	LC50
59 x 41.5	13.7	3	3	LC50
59 x 45.5	15.2	3	3	LC50
59 x 47.5	16.0	3	3	LC45/LC50
59 x 51.5	17.5	3	4	LC45/LC50
59 x 53.5	18.2	4	4	LC50
59 x 57.5	19.7	4	4	LC50
59 x 59.5	20.5	4	4	LC50
59 x 61.5	21.2	4	4	LC50
59 x 65.5	22.8	4	4	LC50
59 x 71.5	25.0	4	4	LC45/LC50

Replacement Fixed Transom				
Unit	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Annealed	Tempered	
23.5 x 14	1.2	3	3	LC50
23.5 x 17	1.6	3	3	LC50
23.5 x 25	2.6	3	3	LC50
27.5 x 14	1.4	3	3	LC50
27.5 x 17	1.9	3	3	LC50
27.5 x 25	3.1	3	3	LC50
29.5 x 14	1.5	3	3	LC50
29.5 x 17	2.1	3	3	LC50
29.5 x 25	3.4	3	3	LC50
31.5 x 14	1.7	3	3	LC50
31.5 x 17	2.2	3	3	LC50
31.5 x 25	3.7	3	3	LC50
35.5 x 14	1.9	3	3	LC50
35.5 x 17	2.6	3	3	LC50
35.5 x 25	4.3	3	3	LC50
39.5 x 14	2.2	3	3	LC50
39.5 x 17	2.9	3	3	LC50
39.5 x 25	4.8	3	3	LC50
41.5 x 14	2.3	3	3	LC50
41.5 x 17	3.1	3	3	LC50
41.5 x 25	5.1	3	3	LC50

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, requires tempered glass.

To convert areas to square meters (m²), multiply square feet by 0.0929.



Lifestyle Series Double-Hung

Detailed Product Description

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are clear pine.
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127 mm) for a wall depth of 3-11/16" (94mm).
- Jamb liner shall be [Gray, high-impact polyvinyl chloride] [Black, chlorinated polyvinyl chloride] backed by continuous hard-tempered aluminum springs.
- Optional factory applied jamb extensions are available.
- Optional factory installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.
- Optional factory-installed Pella Steady Set Installation System.

Sash

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are clear pine.
- Exterior surfaces are clad with aluminum, lap-jointed and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-5/8" (41 mm).
- Sashes tilt for easy cleaning.

Weatherstripping

- Foam with 3 mm skin at head and bottom rail. Thermal-plastic elastomer bulb with slip-coating set into upper sash for tight contact at check rail.
- Secondary polyvinyl chloride leaf-type weatherstrip on bottom sash at sill.
- Jamb liner to seal against sides of sash.

Glazing System

- Quality float glass complying with ASTM C 1036.
- High altitude glazing available.
- Silicone groove-glazed 11/16" [obscure] dual-seal insulating glass [[annealed] [tempered]] [[Advanced] [SunDefense™] [SunDefense+] [AdvancedComfort] [NaturalSun] [NaturalSun+] Low-E [with argon]].

Exterior

- Exterior aluminum surfaces are finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
- Color is [White] [Tan] [Putty] [Brown] [Poplar White] [Portobello] [Hartford Green] [Morning Sky Gray] [Brick Red] [Black].

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [White] [Linen] [Bright White] [stain₁]].

Hardware

- Galvanized block-and-tackle balances are connected to sash with a polyester cord and concealed within the frame.
- Factory installed self-aligning surface-mounted sash lock. Two sash locks on units with frame width 33-1/4" and greater.
- Optional Sash lift furnished for field installation. Two lifts on units with frame width 33-1/4" and greater.
- Finish is [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Satin Brass] [Satin Nickel].
- Champagne locks are standard on unfinished units; White locks are standard on factory prefinished white units.

Optional Products

Grilles

- Simulated-Divided-Light [with optional spacer]
 - 7/8" Grilles permanently bonded to the interior and exterior of glass.
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row] [Custom – Equally Divided].
 - Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [White] [Linen White] [Bright White] [stain₁]]. Exterior grilles to match the exterior cladding color.
 - Available only on units glazed with Low-E insulated glass with argon.
- or –
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
 - Patterns are [Traditional] [9-Lite Prairie] [Top Row] [Custom – Equally Divided].
 - Interior color is [White] [Ivory] [Tan₃] [Brickstone] [Black] [Putty₃] [Brown₃] [Harvest] [Cordovan].
 - Exterior color [matched to the exterior cladding color] [White]₄.

Screens

- InView™ screens
 - Full-size Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Screen frame finish is baked enamel, color to match window cladding.
- Hidden screens₅
 - Vinyl-coated 18/18 mesh fiberglass screen cloth, set in aluminum channels hidden within the sash, supplied complete with all necessary hardware.
 - Finish color [White] [Black] [Brown] [Fossil] [Iron Ore].

Hardware

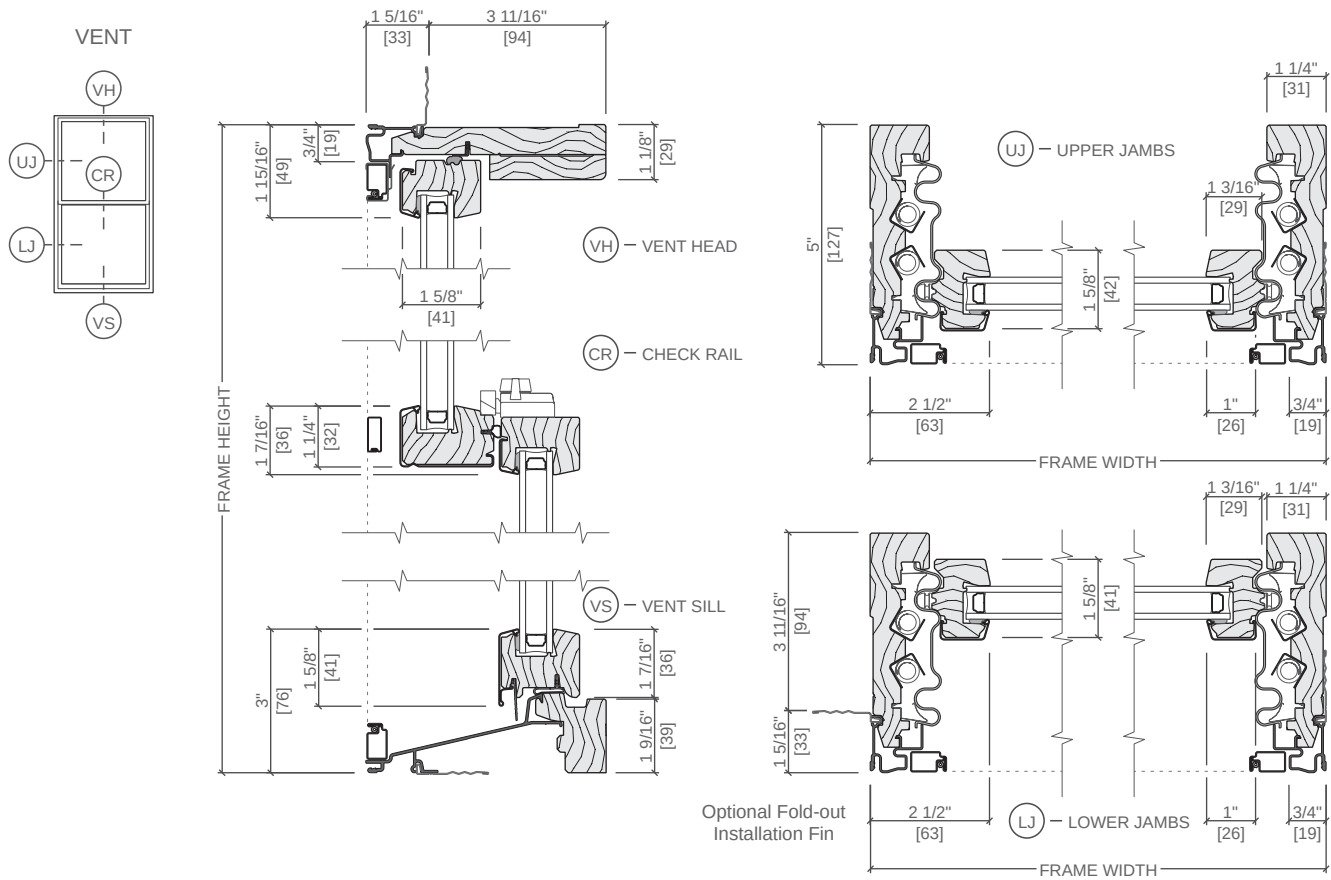
- Optional factory applied limited opening device available for vent units in steel, nominal 3-3/4" opening.
- Optional window opening control device available for field installation. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

(1) Contact your local Pella sales representative for current designs and color options.
(2) Available on units glazed with Low-E insulated glass with argon, and obscure insulated glass.
(3) Tan, brown and putty Interior GBG colors are available only with matching interior and exterior colors.
(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.
(5) Not compatible with Limited Opening Hardware.



Lifestyle Series Double-Hung

Unit Sections

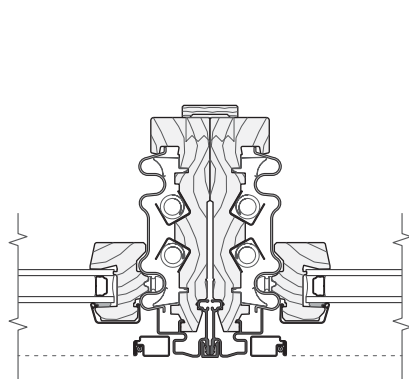
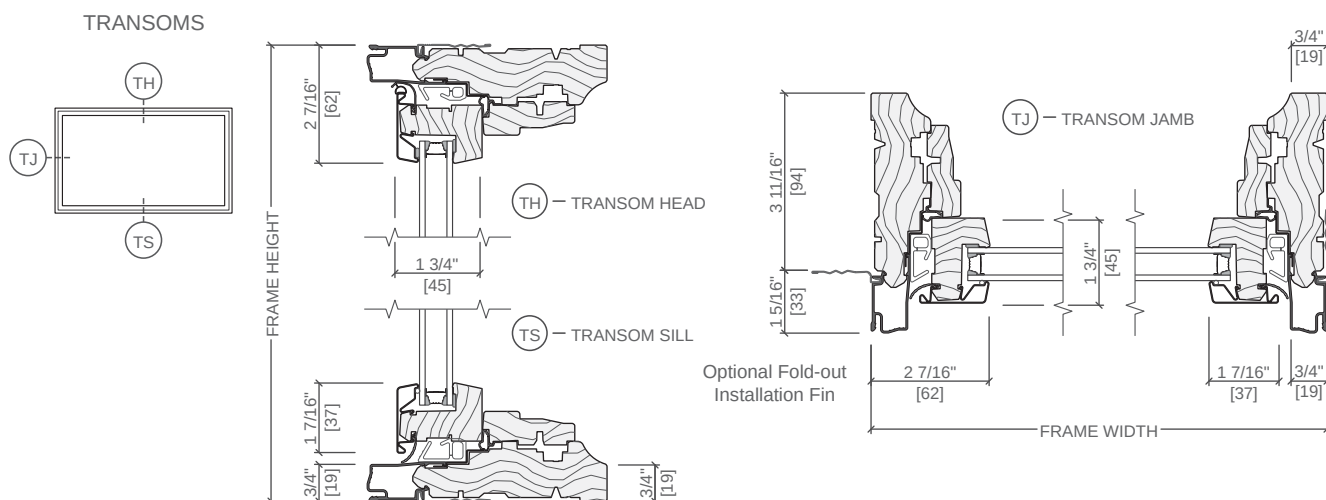
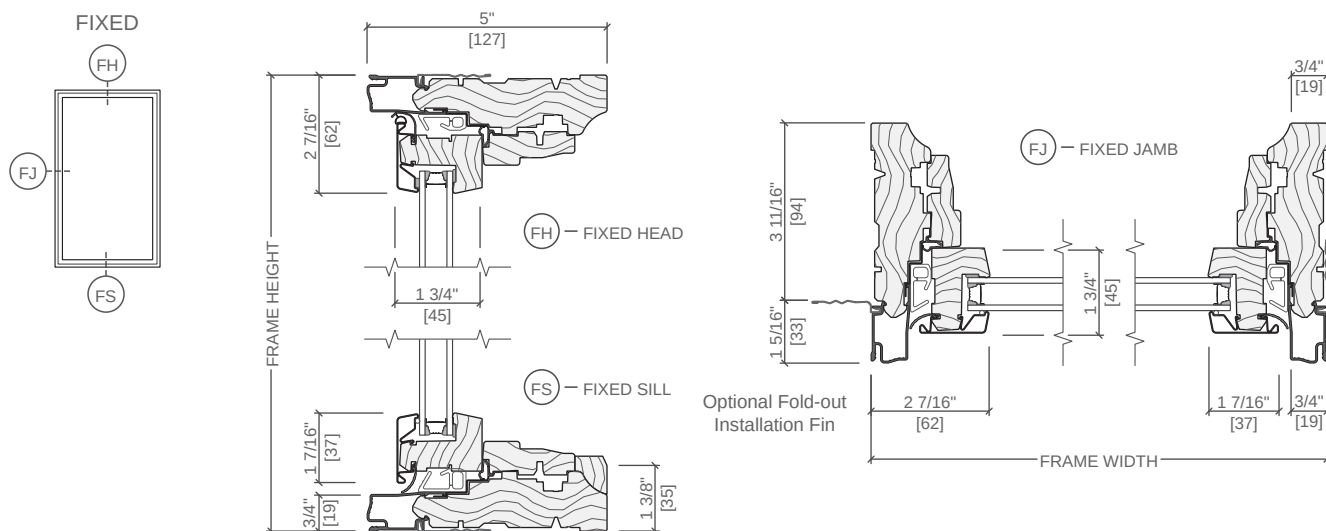


Scale 3" = 1' 0"
All dimensions are approximate.

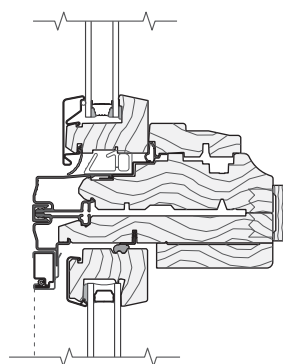


Lifestyle Series Double-Hung

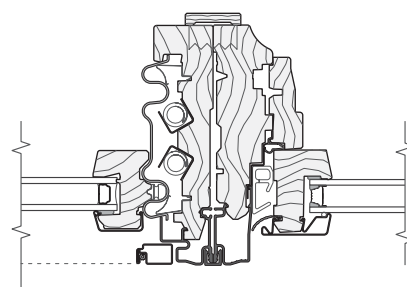
Unit Sections



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

All dimensions are approximate.

See www.Pella.com for mullion limitations and reinforcing requirements.

Unit Sections - Hidden Screen

