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

HISTORIC DISTRICT COMMISSION

CERTIFICATE OF APPROPRIATENESS

Application Number: HDC2026-00365

Effective Date: 08/19/26

Project Address: 2445 West Boston Boulevard

Issued to: Halina Matt
2445 West Boston Boulevard
Detroit, MI 48206

Historic District: Boston-Edison

Description of Work:

Replace wood and vinyl windows with aluminum-clad wood windows.

COA

With the Conditions that:

1. All of the windows match in operation except Windows 1, 6, and 7.
2. All of the operational windows will be casements.
3. The light pattern will be 4 over 1 for windows 1 through 6 and 8 through 10, and the light pattern for Window 7 will be 6 over 1.
4. Once the aluminum cladding is removed from the wood trim and sills, the wood is repaired as needed, caulked and painted to match existing trim on the house and not recovered with new aluminum cladding.

Pursuant to Section 5 of the Michigan Local Historic District Act, as amended, being MCL 399.205 and Sections 21-2-73/21-2-78 of the 2019 Detroit City Code, the Detroit Historic District Commission has duly reviewed the above referenced application at a Public Meeting held on **08/12/26** and hereby issues a Certificate of Appropriateness for the work described 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: Audra 260819AD

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.

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HISTORIC DISTRICT COMMISSION
APPLICATION FOR WORK APPROVAL

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

APPLICATION ID
HDC2026-00365

PROPERTY INFORMATION

ADDRESS(ES): 2445 West Boston Boulevard

HISTORIC DISTRICT: Boston-Edison

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

- [x] 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:

Replacing the vinyl windows in our sun room (that were here when we purchased our home) as well as wood windows that are rotting and falling apart. Replacing them with Pella wood windows in accordance with historical guidelines.

APPLICANT IDENTIFICATION

TYPE OF APPLICANT: Property Owner/Homeowner

NAME: Halina Matt	**COMPANY NAME:** n/a		
ADDRESS: 2445 West Boston Boulevard	**CITY:** Detroit	**STATE:** MI	**ZIP:** 48206
PHONE: **********	**EMAIL:** **********		

I AGREE TO AND AFFIRM THE FOLLOWING:

- [x] I understand that the failure to upload all required documentation may result in extended review times for my project and/or a denied application.
- [x] 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.
- [x] 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.
- [x] 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: Halina Matt 1EE87F3A8BD64FC...

SIGNATURE

06/30/2026

DATE

Docusign Envelope ID: CFCCF9EF-5C75-8F5E-828B-25CBBFD9E745

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

GENERAL

1. DESCRIPTION OF EXISTING CONDITION
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.")

In our back sunroom, we have a bank of vinyl windows that came with the house. These windows are in poor shape and are difficult to close properly. In addition, we have a couple wood windows that are rotting and falling apart. These have increasingly large gaps and recently it's created a problem with carpenter ants. We'd like to update our windows in accordance with the historically appropriate standard.

2. PHOTOGRAPHS
Help us understand your project. Please attach photographs of all areas where work is proposed.

3. DESCRIPTION OF PROJECT
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.)

Replace rotting and age inappropriate windows with Pella wood windows.

4. DETAILED SCOPE OF WORK
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.")

Remove rotting wood and existing vinyl windows and replace with wood Pella double hung windows. See attached for details.

5. BROCHURES/CUT SHEETS
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.

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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)*	

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Customer Quote

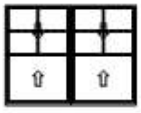
Pella Corporation
pella.com

MCGLINCH & SONS CO
29565 Grand River Ave

FARMINGTON HILLS, MI 48336-5621
(248) 987-6300

Distributed by: Pella Windows and Doors

Customer Name	Deliver To Address	Order Information
, **Primary Phone:**	,	**Estimated Delivery Date:** None **Order Number:** 189 **Quote Number:** 21015245 **Final Wall Depth:** **Customer PO:**

Outside View	Line #	Qty	Description	Item Price	Ext'd Price
	10	1	**Lifestyle, 2-Wide Double Hung, Without HGP, Brown**	**$5,260.44**	**$5,260.44**

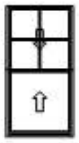
Location: SUNROOM

1: SizeNon-Standard Size Double Hung, Equal
Unit Type: No Program
General Information: No Package, Without Hinged Glass Panel, Clad, Pine, 5", 3 11/16", No Certification, Jambliner Color: **Gray**
Exterior Color / Finish: **Standard Enduraclad, Brown**
Interior Color / Finish: **Prefinished White Paint Interior**
Glass: **Insulated Low-E Advanced Low-E Insulating Glass Argon Non High Altitude**
Hardware Options: **Cam-Action Lock, 2 Locks, White, No Limited Opening Hardware, Order Sash Lift, 2 Lifts, Shipped Separate, No Integrated Sensor**
Screen: **Full Screen, Brown, InView™ , Shipped Separate**
Performance Information: **U-Factor 0.30, SHGC 0.27, VLT 0.50, CPD PEL-N-35-00516-00001, Performance Class LC, PG 25, Calculated Positive DP Rating 25, Calculated Negative DP Rating 25, FPA FL12952, STC 27, OITC 23, Clear Opening Width 42.812, Clear Opening Height 31.75, Clear Opening Area 9.439451, Egress Meets minimum clear opening and 5.7 sq.ft**
Grille: **SDL, No Custom Grille, 7/8", Traditional (2W2H / 0W0H)**
2: SizeNon-Standard Size Double Hung, Equal
Unit Type: **No Program**
General Information: **No Package, Without Hinged Glass Panel, Clad, Pine, 5", 3 11/16", No Certification, Jambliner Color:** Gray
Exterior Color / Finish: Standard Enduraclad, Brown
Interior Color / Finish: Prefinished White Paint Interior
Glass: Insulated Low-E Advanced Low-E Insulating Glass Argon Non High Altitude
Hardware Options: Cam-Action Lock, 2 Locks, White, No Limited Opening Hardware, Order Sash Lift, 2 Lifts, Shipped Separate, No Integrated Sensor
Screen: Full Screen, Brown, InView™ , Shipped Separate
Performance Information: U-Factor 0.30, SHGC 0.27, VLT 0.50, CPD PEL-N-35-00516-00001, Performance Class LC, PG 25, Calculated Positive DP Rating 25, Calculated Negative DP Rating 25, FPA FL12952, STC 27, OITC 23, Clear Opening Width 42.812, Clear Opening Height 31.75, Clear Opening Area 9.439451, Egress Meets minimum clear opening and 5.7 sq.ft
Grille: SDL, No Custom Grille, 7/8", Traditional (2W2H / 0W0H)
Vertical Mull 1: FactoryMull, Standard Joining Mullion, Mull Design Pressure- 20, Overall Thru Direction-Vertical
Wrapping Information: No Attachment Method, No Head Drip Cap, No Exterior Trim, 4-9/16", 5 7/8", Standard Four Sided Jamb Extension, Factory Applied, Manufacturer Recommended Clearance, Perimeter Length = 324".

Customer Notes: PELLA CERTIFIED FULL FRAME INSTALL ON THIS WINDOW WITH NEW INTERIOR TRIM

POCKET STYLE INSTALL ON REST OF WINDOWS, TO BUTT UP TO EXISTING INSIDE STOPS

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

Outside View	Line #	Qty	Description	Item Price	Ext'd Price
	15	1	**Lifestyle, Double Hung, Without HGP, Brown**	**$2,285.54**	**$2,285.54**

Location: SUN ROOM

1: SizeNon-Standard Size Double Hung, Equal
Unit Type: No Program
General Information: No Package, Without Hinged Glass Panel, Clad, Pine, 5", 3 11/16", No Certification, Jambliner Color: **Gray**
Exterior Color / Finish: **Standard Enduraclad, Brown**
Interior Color / Finish: **Prefinished White Paint Interior**
Glass: **Insulated Low-E Advanced Low-E Insulating Glass Argon Non High Altitude**
Hardware Options: **Cam-Action Lock, 2 Locks, White, No Limited Opening Hardware, Order Sash Lift, 2 Lifts, Shipped Separate, No Integrated Sensor**
Screen: **Full Screen, Brown, InView™ , Shipped Separate**
Performance Information: **U-Factor 0.30, SHGC 0.27, VLT 0.50, CPD PEL-N-35-00516-00001, Performance Class LC, PG 30, Calculated Positive DP Rating 30, Calculated Negative DP Rating 30, FPA FL12952, STC 27, OITC 23, Clear Opening Width 32.812, Clear Opening Height 31.75, Clear Opening Area 7.234591, Egress Meets minimum clear opening and 5.7 sq.ft**
Grille: **SDL, No Custom Grille, 7/8", Traditional (2W2H / 0W0H)**
Wrapping Information: **No Attachment Method, No Exterior Trim, 4-9/16", 5 7/8", Standard Four Sided Jamb Extension, Factory Applied, Manufacturer Recommended Clearance, Perimeter Length = 212".**

Outside View	Line #	Qty	Description	Item Price	Ext'd Price
	20	6	**Lifestyle, Double Hung, Without HGP, Brown**	**$2,070.79**	**$12,424.74**

Location: SUNROOM

1: SizeNon-Standard Size Double Hung, Equal
Unit Type: No Program
General Information: No Package, Without Hinged Glass Panel, Clad, Pine, 5", 3 11/16", No Certification, Jambliner Color: **Gray**
Exterior Color / Finish: **Standard Enduraclad, Brown**
Interior Color / Finish: **Prefinished White Paint Interior**
Glass: **Insulated Low-E Advanced Low-E Insulating Glass Argon Non High Altitude**
Hardware Options: **Cam-Action Lock, 1 Lock, White, No Limited Opening Hardware, Order Sash Lift, 1 Lift, Shipped Separate, No Integrated Sensor**
Screen: **Full Screen, Brown, InView™ , Shipped Separate**
Performance Information: **U-Factor 0.30, SHGC 0.27, VLT 0.50, CPD PEL-N-35-00516-00001, Performance Class LC, PG 30, Calculated Positive DP Rating 30, Calculated Negative DP Rating 30, FPA FL12952, STC 27, OITC 23, Clear Opening Width 23.812, Clear Opening Height 31.75, Clear Opening Area 5.250216, Egress Meets minimum clear opening and 5.0 sq.ft**
Grille: **SDL, No Custom Grille, 7/8", Traditional (2W2H / 0W0H)**
Wrapping Information: **No Attachment Method, No Exterior Trim, 4-9/16", 5 7/8", Standard Four Sided Jamb Extension, Factory Applied, Manufacturer Recommended Clearance, Perimeter Length = 194".**

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

Thank You For Your Interest In Pella® Products

PELLA WARRANTY:

Pella® products are covered by Pella's limited warranties in effect at the time of sale. All applicable product warranties are incorporated into and become a part of this contract. Please see the warranties for complete details, taking special note of the two important notice sections regarding installation of Pella® products and proper management of moisture within the wall system. Neither Pella Corporation nor the branch will be bound by any other warranty unless specifically set out in this contract. However, Pella Corporation will not be liable for branch warranties which create obligations in addition to or obligations which are inconsistent with Pella written warranties.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen® [or any other accessory] to the product. You should consult your local building code to ensure your Pella® products meet local egress requirements.

Customer Signature

Date

Pella Contractor Signature

Date

Order Totals	
Taxable Subtotal	$19,970.72
Sales Tax	$0.00
Non-taxable Subtotal	$0.00
Total	**$19,970.72**

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

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HISTORIC DISTRICT COMMISSION
ADDITIONAL INFORMATION REQUEST

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

Date: 7/6/26

Application Number: HDC2026-00365

APPLICANT & PROPERTY INFORMATION

NAME: Halina Matt		**COMPANY NAME:** n/a	
ADDRESS: 2445 West Boston Boulevard	**CITY:** Detroit	**STATE:** MI	**ZIP:** 48206
PROJECT ADDRESS: 2445 West Boston Boulevard			
HISTORIC DISTRICT: Boston-Edison			

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

Thank you for your application. We need a bit more information. The Commission needs to understand the current situation and window condition, as well as the proposed work.

Please provide:

- a photo of the front of the house for reference
- overall photos of each of the exterior elevations of the house where windows will be replaced (we need to see the whole sides, not close-up photos, please), with a number label on each window proposed for replacement (Windows 1-9, for example)
- individual photos of the existing interior conditions of each wood window proposed to be replaced, marked with the correct number labels
- a window schedule of all existing windows, coordinated with the numbered window labels, that describes the existing window materials, operation (single-hung, double-hung, casement, for example), and light configuration (2 panes of glass wide x 2 tall upper sash only, for example)
- confirmation as to whether the windows' frames, trim, sills, lintels, mullions, and/or brick mold trim will be kept in place, removed, or covered, and how
- description as to how the factory-mulled pair of windows with new frames would look alongside the third window that will be pocket-installed
- dimensions of the components of existing historic wood windows, including the rails, stiles, and muntins, as well as the width and depth of the mullions between windows (see attached measuring guide on page 3 of the attachment), and
- dimensions of the same components of the proposed replacement windows, including the width and depth of the proposed mullions.

Thank you.

PSR: Ellen 260706et

APPLICANT RESPONSE

Response Date: 07/10/2026

Response to all questions in the attached file. Thank you!

The Detroit Historic District Commission (DHDC) follows the Secretary of Interior Standards for Rehabilitation for Historic Properties. For historic windows, Standard 6 is most directly applicable: *Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*

The central message of the Standards is that historic windows (i.e., historic features) will be repaired rather than replaced. Only when a window has severely deteriorated and it cannot be repaired, may it be replaced. Generally, even badly deteriorated windows can be repaired by people who have experience working with historic wood building components, such as window repair companies and many carpenters. You may find information on repair companies/contractors through neighborhood association websites (such as Historic Boston-Edison Association), local organizations (such as Brick and Beam), local hardware stores (some may offer contractor referrals) as well as the statewide organization, Michigan Historic Preservation Network.

Attached to this document is the Commission's *Guidelines for Historic Windows* that goes into greater detail on the retention, repair and potential replacement of historic windows. The Historic District Commission Staff can administratively review a proposal to retain and repair existing historic windows.

Please note: *The installation of vinyl windows is rarely approved by the Commission: Due to their plasticity, flatness, detracting color/sheen, component profiles, and poor material quality, consumer-grade vinyl windows are incompatible with the building's overall historic character and do not exhibit an appearance consistent with the general characteristics of a historic window of the same type and period, as required by NPS guidance.*

WINDOW REPLACEMENT APPLICATION OF HISTORIC AGE WINDOWS

If you move forward with an application to replace historic windows, the following information is needed. It is the applicant's responsibility to discuss, in words and pictures, existing conditions of the windows proposed for replacement and supply the details of the selected replacement window.

- Scope of work
  - List the number of windows to be replaced, the description of the existing windows (i.e., steel casement, wood double-hung, etc.) and their location(s) on the building.

- Existing window documentation
  - Exterior photo(s) of each side of the building where windows are proposed to be replaced (always include one photo of the front of the house, even if no windows are proposed for replacement at this location). Identify each photo as front, left side, right side, and/or rear.

  Photos must clearly show each window opening that is proposed for replacement.
    -- Submit multiple photos of the sides of the house, if needed, so all windows are clearly shown.
    -- If windows are boarded over, or storm windows cover the window frames, take photos from the inside of the building so the condition of the windows are visible.
    -- Each window included in the proposal must be identified by a consecutive number or letter; please do not start numbers over on each side of the building. Using numbers that are listed on a window order (if you already have one) can also be used.
  - Describe condition/problems of existing windows and submit measurements of window frames and muntins/grilles (if present). Page 4 of this document can be used to write down the existing window(s) measurements.
- Replacement Windows
  - Identify the manufacturer and line of replacement windows.
    -- Submit manufacturer cut sheets that confirm exterior window frame material, color, grilles (if proposed), window glass and screen specifications, and dimensioned section drawings that list the measurements for the proposed window frames. Pages 3 & 4 of this document offer visual aid in the information needed for this application.

You can also provide further information to outline your decision-making process, which may include the following:

-Description of repair work that has been completed (if any) on the windows since owning the structure.

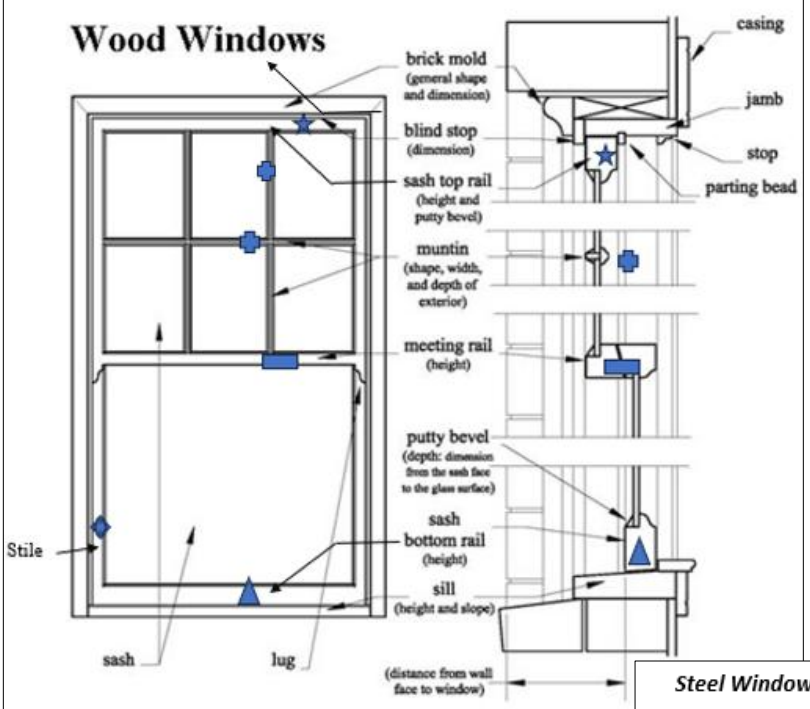
-Copies of obtained estimates to repair the existing windows.

-Description on why you are seeking to replace the windows vs repairing them

-Any additional details which you deem to be pertinent/you would like the Commission to review with respect to the replacement of the windows.

Dimensions of existing windows

Wood Window – Individual parts and areas to be measured

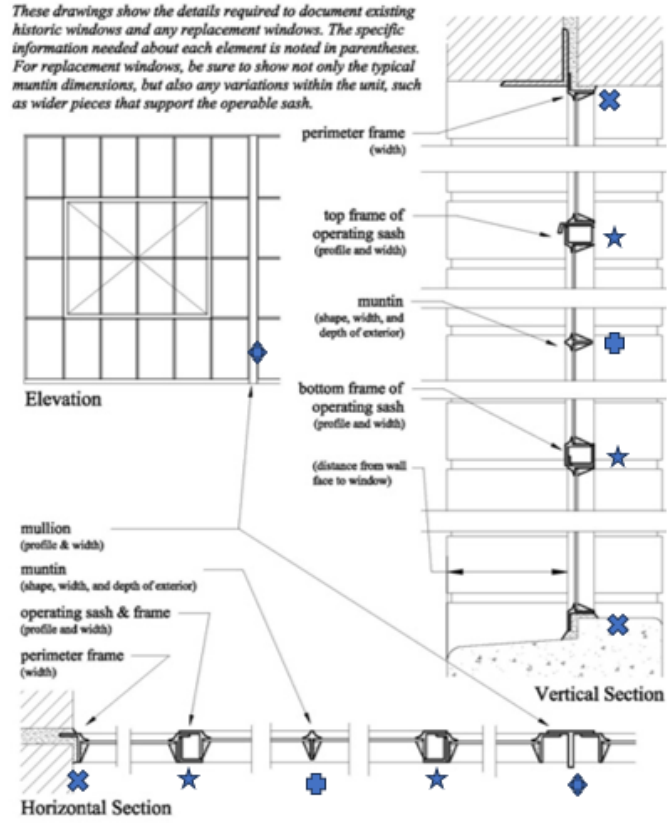


Measurements

- Sash Top Rail _____
- Meeting Rail _____
- Sash Bottom Rail _____
- Muntin/Grille _____
- Stile _____
- Mullion (if present) _____

Steel Window – Individual parts to be measured

These drawings show the details required to document existing historic windows and any replacement windows. The specific information needed about each element is noted in parentheses. For replacement windows, be sure to show not only the typical muntin dimensions, but also any variations within the unit, such as wider pieces that support the operable sash.



Measurements

- Perimeter Frame _____
- Frame of operating sash _____
- Muntin/Grille _____
- Mullion (if present) _____

A mullion separates multiple windows within one large window opening (can be vertical or horizontal)

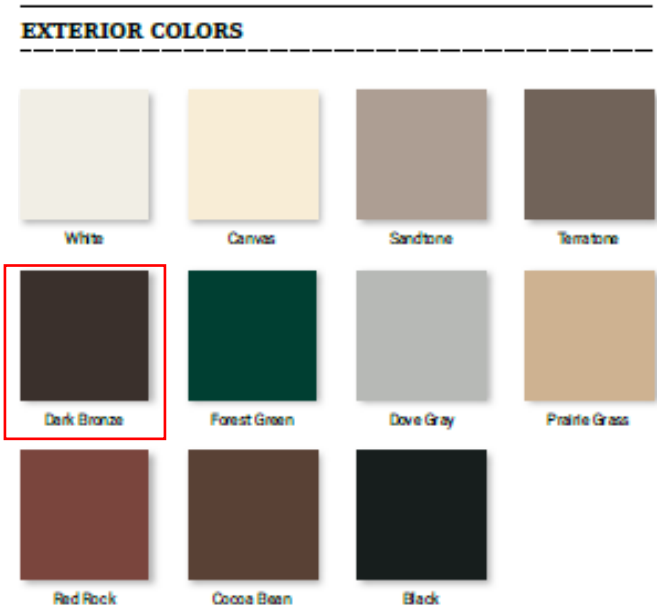
Proposed Replacement Windows

Brochure/Cut Sheets

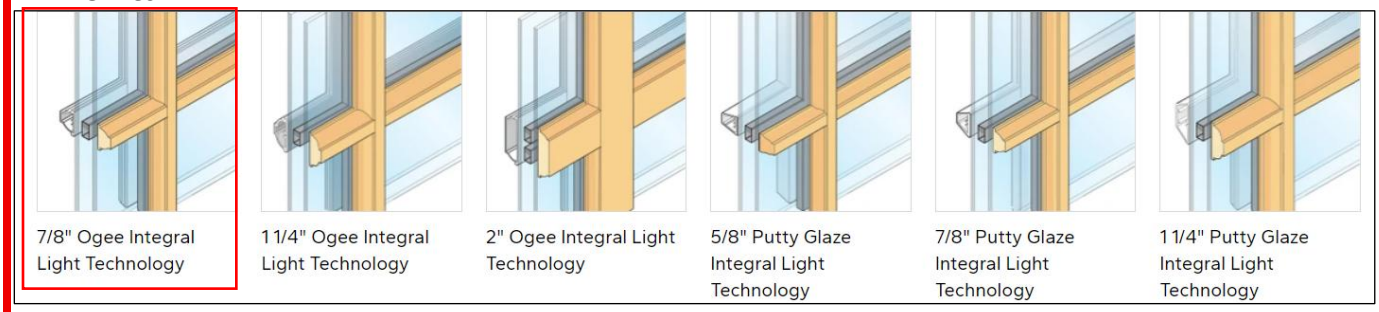
- Submit copies of the individual pages that confirm the material, operation, frame design, grilles (if applicable) and finishes (glass, screens, etc.).

Exterior frame and selected cladding color





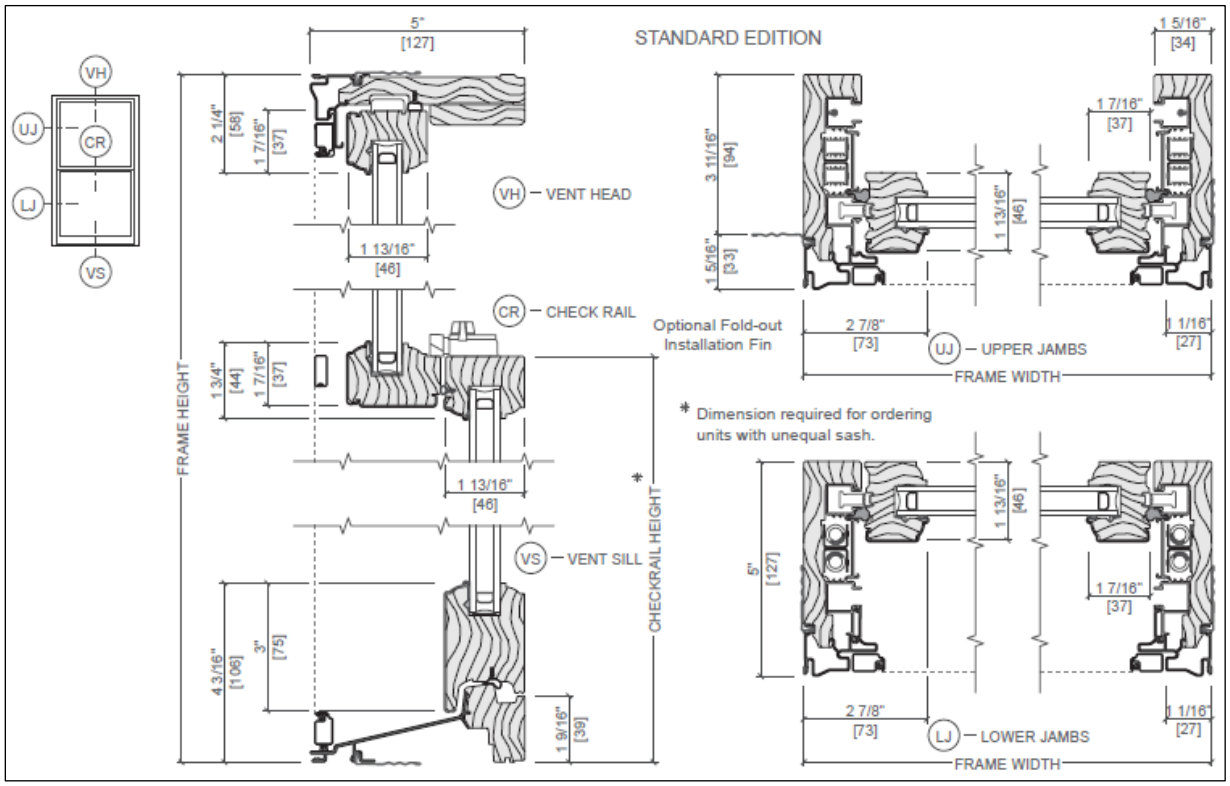
Grilles



Glass options



Window sections for proposed replacement windows – Depending on the window manufacturer, these sections can be difficult to find on the company's website. You may need to ask your window representative for the sections. Dimensioned sections of the selected replacement window must be included in the application.



Detroit Historic District Commission

Supplemental Information Response

Organized in the Order Requested by HDC Staff



Property: 2445 W. Boston Boulevard, Detroit, MI 48206

Historic District: Boston-Edison | Application No.: HDC2026-00365 | Applicant: Halina Matt

Prepared by: McGlinch & Sons Home Improvements

McGLINCH HOME IMPROVEMENTS EST. 1917 SONS CO.

Response Format

This package follows the Historic District Commission additional information request in the same order the items were requested. Each requested item is answered as a separate section with supporting exhibits immediately following the response.

HDC Requested Information	Location in This Package
1. Photo of the front of the house for reference.	Section 1
2. Overall exterior elevation photos of the house where windows will be replaced, with each proposed window labeled.	Section 2
3. Individual photos of the existing conditions of each window proposed for replacement, marked with the correct number labels.	Section 3
4. Existing window schedule describing materials, operation, and light/grille configuration.	Section 4
5. Confirmation of whether frames, trim, sills, lintels, mullions, and/or brick mold trim will be kept in place, removed, or covered, and how.	Section 5
6. Description of how the factory-mulled pair of windows with new frames will look alongside the remaining pocket-installed windows.	Section 6
7. Dimensions of existing window components, including rails, stiles, muntins, and mullions.	Section 7
8. Dimensions of the same components of the proposed replacement windows, including proposed mullions.	Section 8



Reference: Historic District Commission Additional Information Request

1. Photo of the Front of the House for Reference

Response: A current overall photo of the house is provided below for reference.



Exhibit 1 - Front of House / Overall House Reference

2. Overall Exterior Elevation Photos With Window Labels

Response: Overall exterior photos of the sunroom elevations where windows are proposed for replacement are provided below and on the following page. Window numbers correspond to the schedules and measurement drawings in this package.



Exhibit 2A - Sunroom Exterior Elevation - Windows 1 through 7 labeled

2. Overall Exterior Elevation Photos With Window Labels - Continue



Exhibit 2B - Sunroom Side Exterior - Windows 8, 9, and 10 labeled

3. Individual Photos of Existing Conditions

Response: The provided condition photographs show the existing non-original replacement windows and identify the window groups proposed for replacement. Windows 1-7 are vinyl double-hung replacement windows. Windows 8-10 are a three-window casement assembly with deteriorated sill/framing conditions requiring full-frame replacement.



Exhibit 3A - Existing Condition - Windows 1 through 7



Exhibit 3B - Existing Condition - Windows 8 through 10

4. Existing Window Schedule

Response: The existing windows are non-original vinyl replacement windows installed previously. The existing schedule below coordinates the numbered window labels with the materials, operation, grille/light configuration, and proposed installation method.

Window(s)	Existing Material	Operation	Existing Grille / Light Configuration	Existing Size / Type	Proposed Method
1-6	Vinyl replacement units	Double-hung	2 wide x 3 high grille pattern in upper and lower sashes	Approx. 27-1/2 in W x 67 in H each	Pocket replacement; preserve existing frame/sill
7	Vinyl replacement unit	Double-hung	3 wide x 3 high grille pattern in upper and lower sashes	Approx. 38-1/2 in W x 67 in H	Pocket replacement; preserve existing frame/sill
8-10	 wood window	Manual pull-out casement units	Three-wide casement assembly; each upper portion has 2 wide x 2 high grid pattern to resemble a traditional hung window	Overall assembly approx. 58-1/4 in W x 67 in H	Full-frame replacement due to deteriorated sill/framing

5. Frames, Trim, Sills, Mullions and Finish Work

Response: The work differs by opening because the existing conditions differ.

Windows 1-7 - Pocket Replacement

The existing vinyl replacement windows will be removed. The existing structural window frame and original brick sill will remain in place. The brick sill has been protected by existing aluminum cladding and is in serviceable condition. The existing interior trim will remain intact. After the new replacement windows are installed, new custom-bent aluminum cladding will be installed at the exterior to finish and flash the windows and protect the sill and trim conditions from future moisture intrusion.

Windows 8-10 - Full-Frame Replacement

The existing window assembly, brick sill, and surrounding framing at Windows 8-10 are deteriorated and cannot be reasonably preserved. The full existing assembly will be removed to the rough opening. The new window will be installed with sill and jamb flashing tape, proper shimming, spray foam insulation between the new frame and rough opening, exterior sealant, new custom-bent exterior aluminum cladding, and new finished interior trim.

Summary of Preservation/Removal

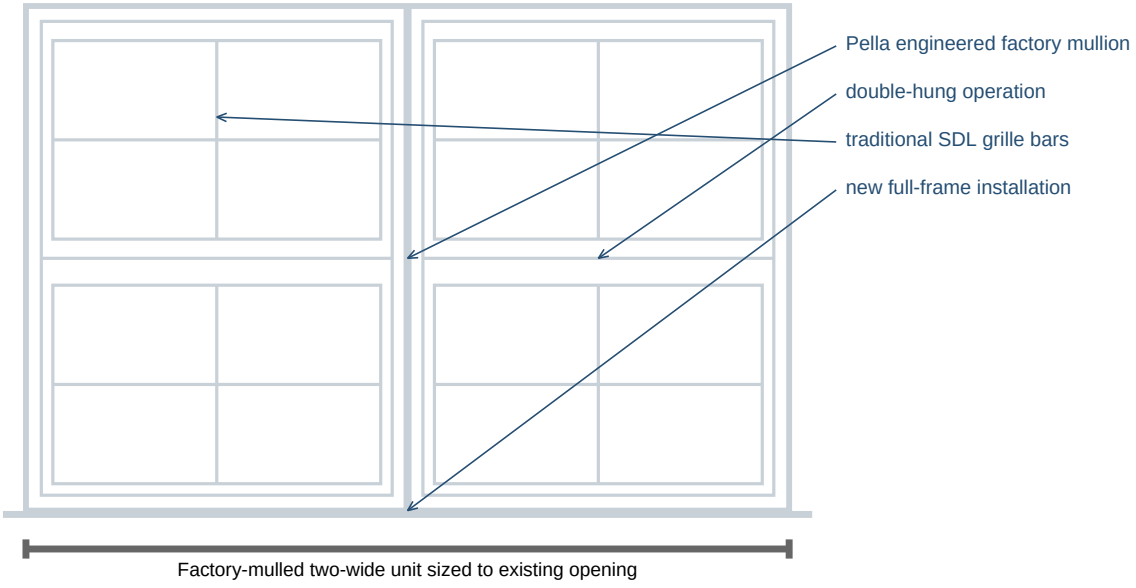
Component	Windows 1-7	Windows 8-10
Existing vinyl window units	Removed	Removed
Existing structural frame	Kept in place where sound	Removed due to deterioration
Existing brick sill	Kept/covered with new aluminum cladding	Removed and rebuilt as part of full-frame installation
Interior trim	Kept intact	New finished interior trim installed
Exterior finish/cladding	New custom-bent aluminum cladding	New custom-bent aluminum cladding

6. Factory-Mulled Pair and Relationship to Other Windows

Response: Windows 8-10 currently form a three-window manual pull-out casement assembly. Because the sill and framing are deteriorated, this opening is proposed as a full-frame replacement. The proposed replacement for this opening is a factory-mulled two-wide Pella Lifestyle double-hung assembly joined with a Pella engineered factory mullion.

Windows 1-7 are proposed as pocket replacements because those openings remain sound and can preserve the existing frame/sill conditions. The use of two installation methods is intentional and based on existing conditions: pocket installation where preservation is feasible, and full-frame installation where deterioration requires removal. From the exterior, the completed work will present a consistent traditional double-hung appearance with compatible grille patterns, brown exterior finish, and finished aluminum-clad exterior trim work.

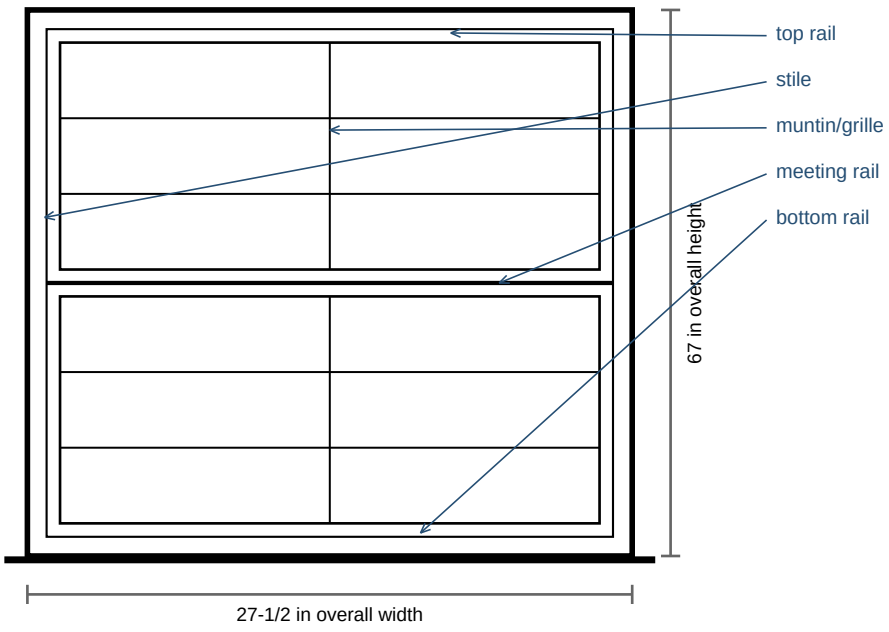
Proposed Type C Replacement - Factory-Mulled Two-Wide Double-Hung



7. Existing Window Component Dimensions

Response: Existing component dimensions are provided below. Measurements are based on field measurements and correspond to the HDC measurement guide for rails, stiles, muntins/grilles, and mullions.

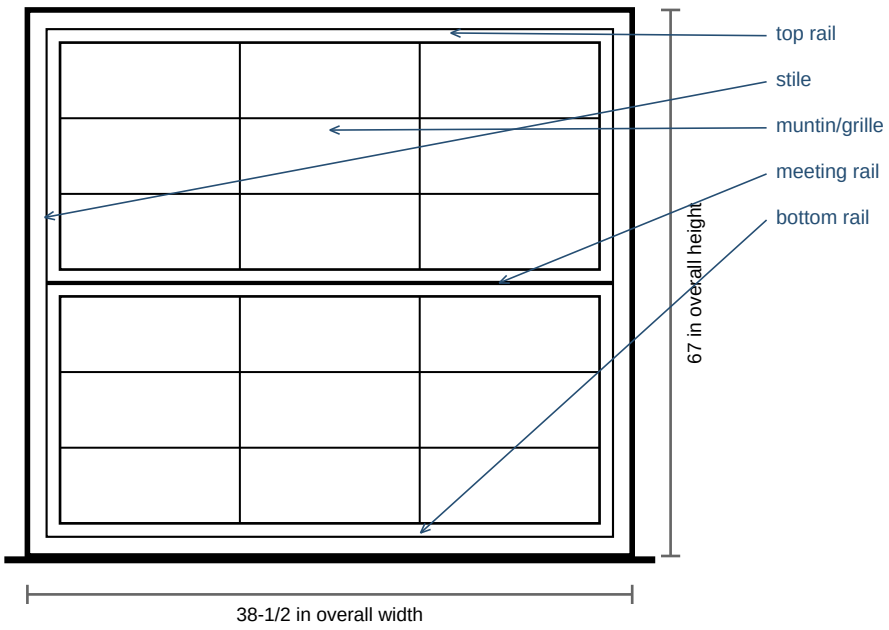
Existing Window Type A - Windows 1 through 6



Component	Field Dimension
Overall width	27-1/2 in
Overall height	67 in
Sash top rail	1-1/2 in
Meeting rail	1-1/2 in
Sash bottom rail	1-1/4 in
Stile	2 in
Muntin / grille	3/4 in
Mullion	N/A at individual units

7. Existing Window Component Dimensions - Continued

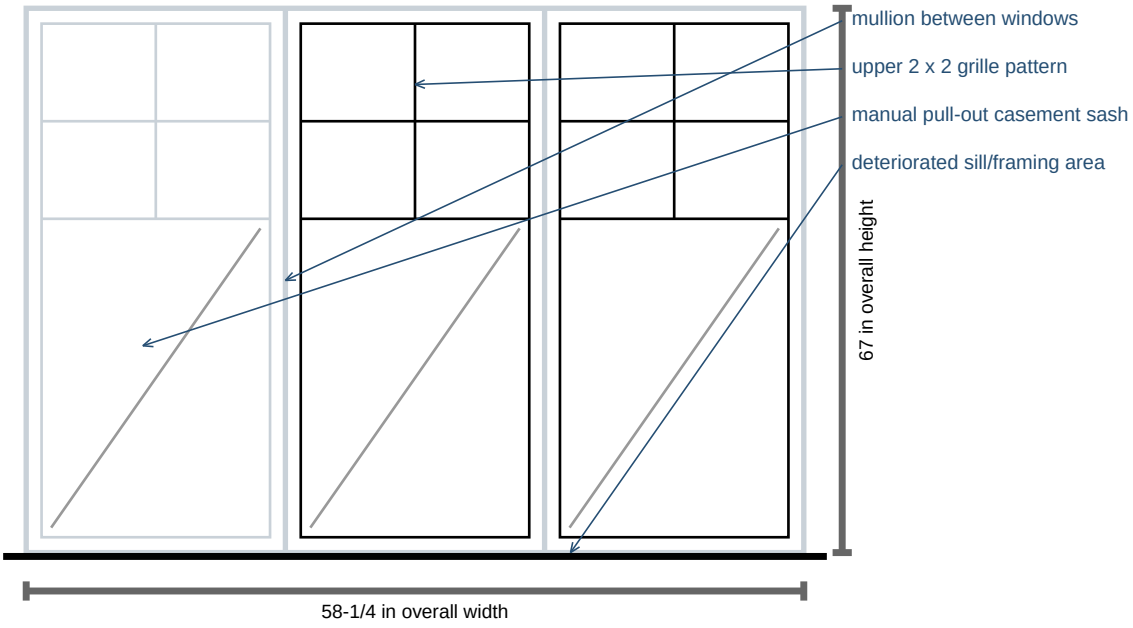
Existing Window Type B - Window 7



Component	Field Dimension
Overall width	38-1/2 in
Overall height	67 in
Sash top rail	1-1/2 in
Meeting rail	1-1/2 in
Sash bottom rail	1-1/4 in
Stile	2 in
Muntin / grille	3/4 in
Mullion	N/A at individual unit

7. Existing Window Component Dimensions - Continued

Existing Window Type C - Windows 8, 9 and 10



Component	Field Dimension
Overall assembly width	Approx. 58-1/4 in
Overall height	67 in
Sash top rail	1-1/2 in
Meeting / center rail	1-1/4 in
Muntin / grille	3/4 in
Mullion between units	Approx. 1-1/4 in
Existing condition note	Sill/framing deterioration; full-frame replacement proposed

8. Proposed Replacement Window Component Dimensions

Response: Proposed window component information is provided using the Pella Lifestyle Series product documentation and the project quote. The proposed windows are Pella Lifestyle aluminum-clad wood double-hung windows with simulated divided-light grilles and brown exterior finish.

Proposed Window(s)	Product	Exterior / Interior	Grille	Install Method	Quote Reference
1-6	Pella Lifestyle Double-Hung	Brown EnduraClad exterior / prefinished white pine interior	Traditional SDL, 7/8 in, 2W2H/0W0H per quote	Pocket installation	Line #20, Qty 6
7	Pella Lifestyle Double-Hung	Brown EnduraClad exterior / prefinished white pine interior	Traditional SDL, 7/8 in, 2W2H/0W0H per quote	Pocket installation	Line #15, Qty 1
8-10 opening	Pella Lifestyle 2-wide Double-Hung factory-mulled unit	Brown EnduraClad exterior / prefinished white pine interior	Traditional SDL, 7/8 in, 2W2H/0W0H per quote	Full-frame installation	Line #10, Qty 1

Pella Unit Section Dimensions (from Pella Architectural Manual excerpts)

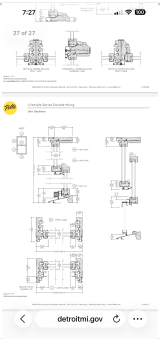
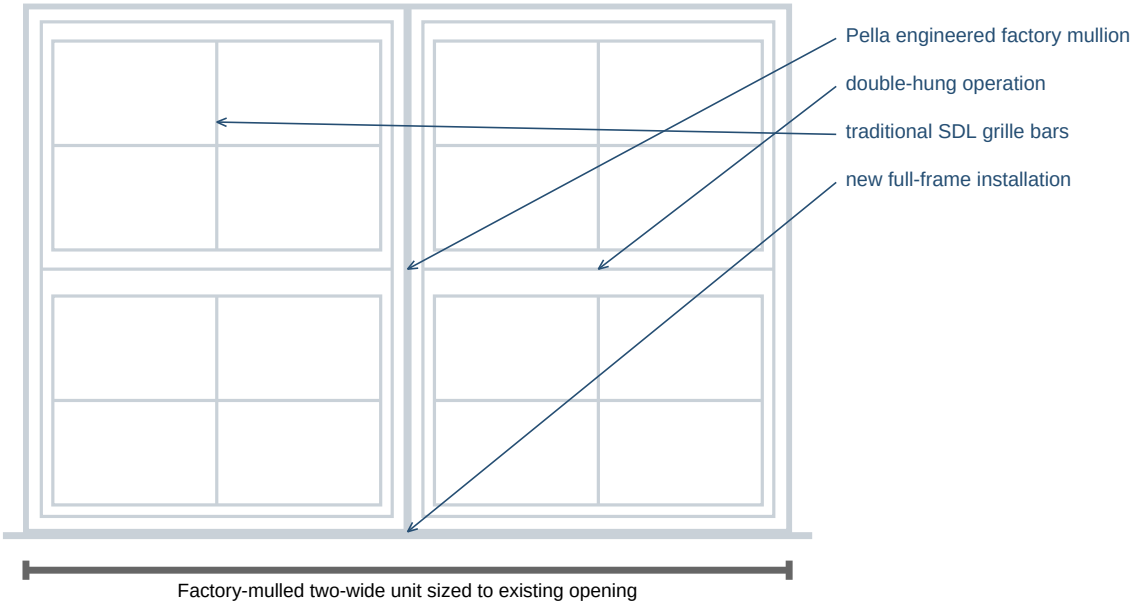


Exhibit 8A - Pella Lifestyle Double-Hung Unit Sections / Component Dimensions

8. Proposed Replacement Dimensions - Factory-Mulled Assembly

Proposed Type C Replacement - Factory-Mulled Two-Wide Double-Hung



Proposed Component	Proposed Dimension / Description
Proposed product	Pella Lifestyle Series aluminum-clad wood double-hung
Factory mullion	Pella engineered factory joining mullion; contractor notes identify approximately 1/2 in factory mull joining the two double-hung windows
Grille bars	7/8 in simulated divided-light (SDL), Traditional pattern per Pella quote
Frame / jamb depth	Pella quote identifies 5 in frame / 3-11/16 in details and standard four-sided jamb extension
Exterior finish	Standard EnduraClad Brown
Interior finish	Prefinished white pine interior

Product and Manufacturer Information

The following selected Pella documentation pages support the proposed product, finish, grille pattern, and installation details.

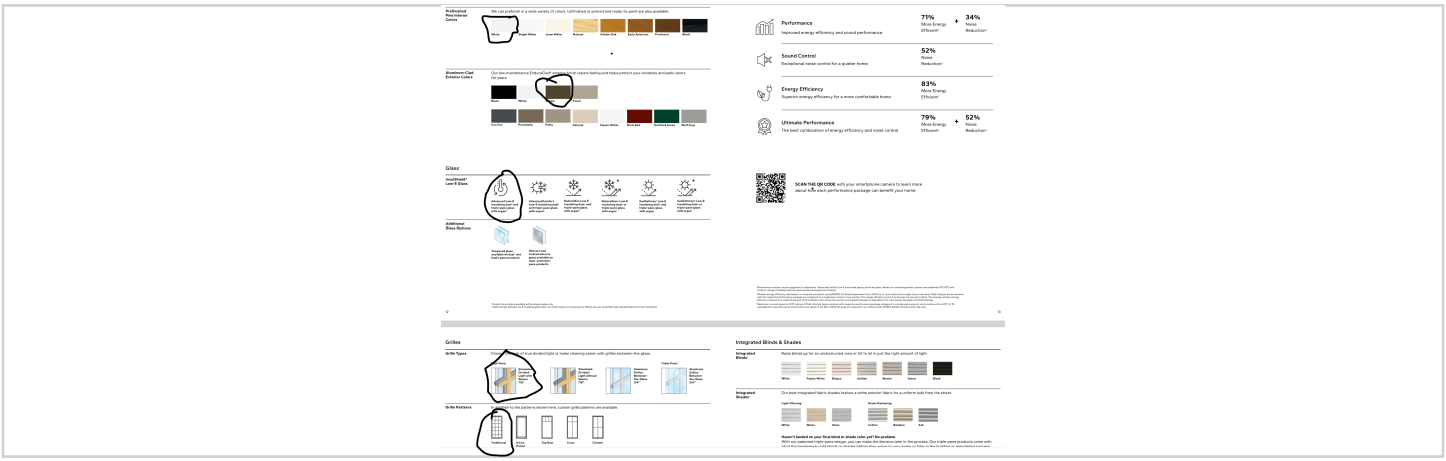


Exhibit 9A - Pella Lifestyle Finish, Glass, and Grille Selections

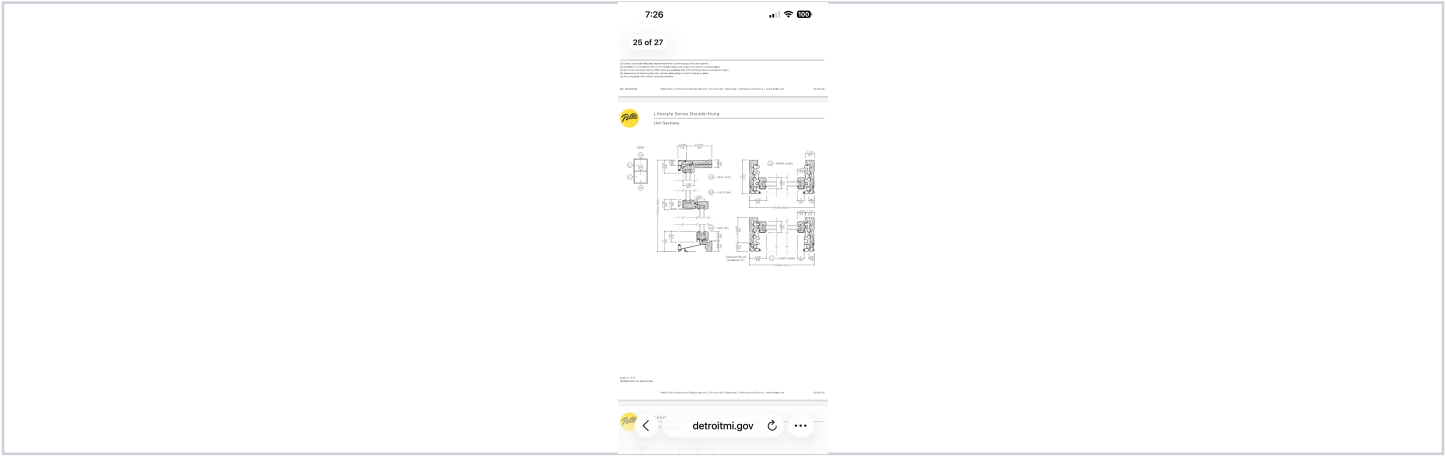


Exhibit 9B - Pella Lifestyle Detailed Product Description

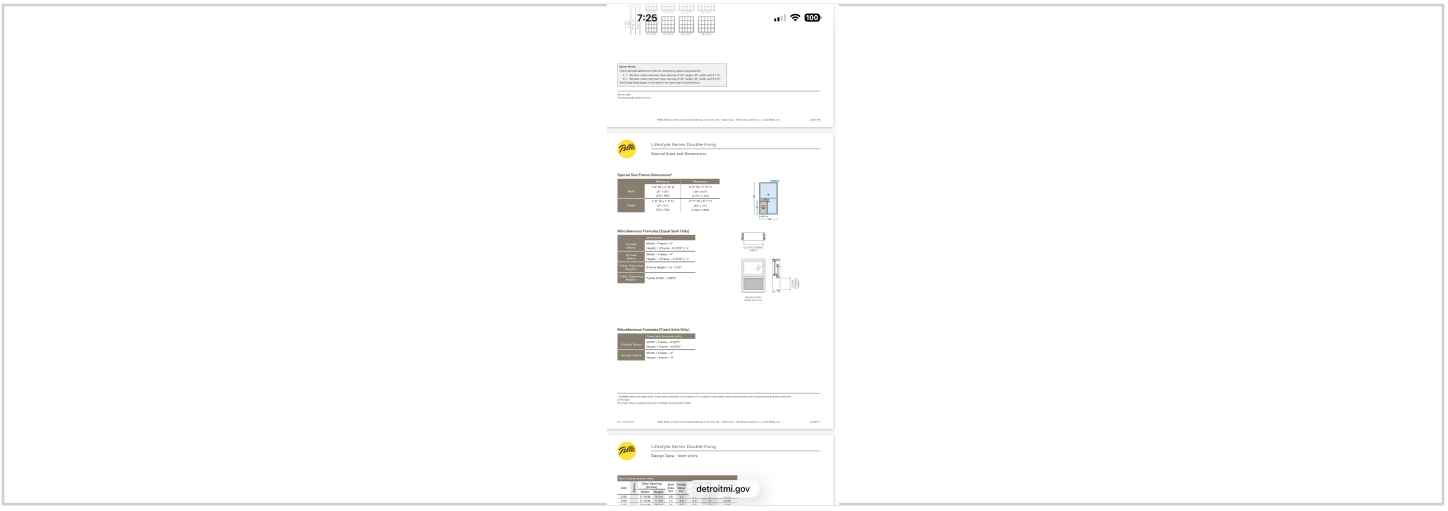


Exhibit 9C - Pella Lifestyle Special Sizes and Formulas

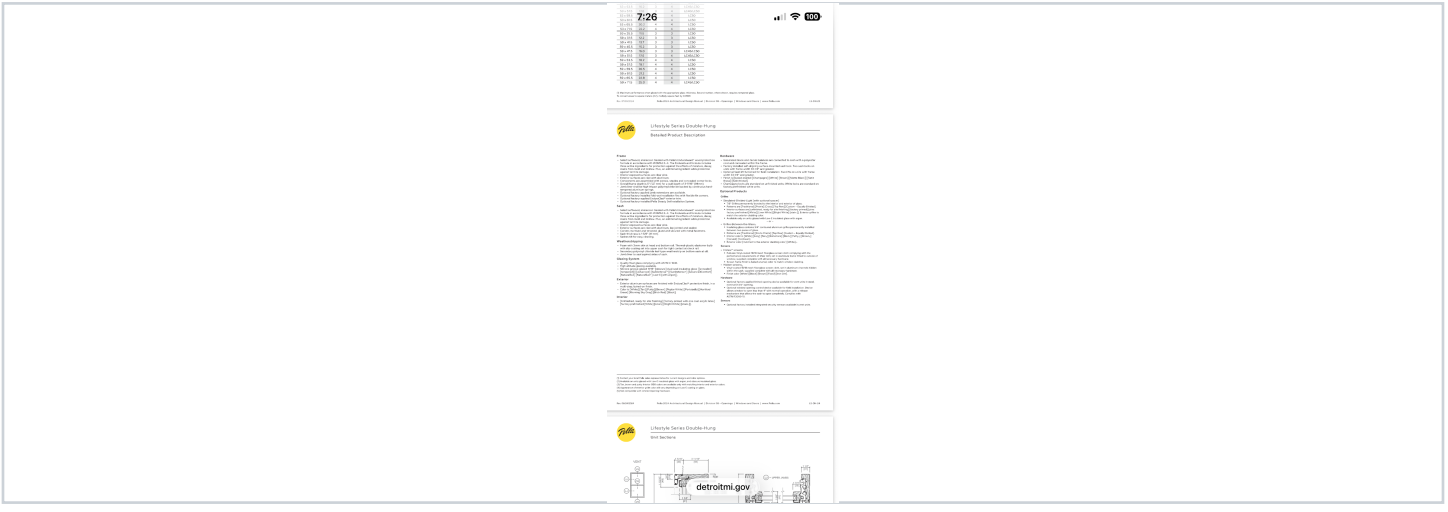


Exhibit 9D - Pella Lifestyle Design Data / Performance Information

Installation Approach Summary

The proposed installation methods correspond directly to the condition of each opening. Pocket installation is used at sound openings to preserve existing framing and sill material. Full-frame installation is used at the deteriorated Windows 8-10 opening to correct damaged sill/framing conditions.

Pocket Replacement - Windows 1-7

Remove existing vinyl replacement window; preserve sound existing structural frame and brick sill; install new Pella Lifestyle double-hung unit within existing opening; install new custom-bent aluminum exterior cladding to finish and flash the window; preserve existing interior trim.

Full-Frame Replacement - Windows 8-10

Remove deteriorated assembly to rough opening; install sill and jamb flashing tape; set new factory-mulled Pella Lifestyle unit on shims; insulate gaps with spray foam; seal/flashing at exterior; install custom-bent exterior aluminum cladding and new interior trim.








easy ups

HISTORIC DISTRICT COMMISSION
ADDITIONAL INFORMATION REQUEST

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

Date: 07/16/2026

Application Number: HDC2026-00365

APPLICANT & PROPERTY INFORMATION

NAME: Halina Matt		**COMPANY NAME:** n/a	
ADDRESS: 2445 West Boston Boulevard	**CITY:** Detroit	**STATE:** MI	**ZIP:** 48206
PROJECT ADDRESS: 2445 West Boston Boulevard			
HISTORIC DISTRICT: Boston-Edison			

REQUESTED INFORMATION

We have received your application, but it is not yet complete for review. Please provide additional details based on the comments and questions listed below. Should you need to attach additional files per this request, use the paperclip icons at the end of this form. You may attach up to (5) files per icon up to 25MB:

The product and manufacture information that you submitted is difficult to read. Please resubmit the following: Exhibit 9A - Pella Lifestyle, finish, glass, and grille selections, Exhibit 9B - Pella Lifestyle detailed product description, Exhibit 9C & D

PSR: Bilqees 260716BS

APPLICANT RESPONSE

Response Date: 07/17/2026



I’ve attached the requested files. Thank you!

Pella® Lifestyle Series

#1 performing wood window and patio door
for the combination of energy, sound and value.[1]

Aluminum-Clad Wood Windows & Patio Doors





Pella® Lifestyle Series
Floor-to-ceiling black casement and picture windows create a wall of glass and fill this modern home with natural light.

Why You Can Trust Pella.

At Pella, we don't just create windows and doors. We innovate with purpose, design with passion, build with integrity and deliver with pride.

Rated #1

by homeowners for highest craftsmanship[2]

We are continually striving to improve what we do and how we do it. That drive has earned us 284 patents and counting for amazing innovations. In 1925 we opened our doors with the patented Rolscreen® retractable screen, a time-tested innovation that is still a popular feature today.

Rated #1

by homeowners for highest quality[2]

We make products specifically for you and your comfort with meticulous care and attention. On average, we perform over 9.5 million quality checks every year. Our product designs are tested beyond industry standards, so you can trust them to perform. Door designs are tested to 100,000 open and close cycles, and double-hung and casement window designs are tested at least 6,000 times.

The Best Limited Lifetime Warranty

for wood windows and patio doors[3]

You can feel confident in your investment. We pride ourselves on providing exceptional quality, exceeding expectations and going beyond requirements. That's why we stand behind all of our products with a limited lifetime warranty.[4]

[1] Performance solutions require upgrades to triple-pane, AdvancedComfort Low-E and mixed glass thickness. Based on comparing product quotes and published STC/OITC and U-Factor ratings of leading national wood window and patio door brands.

[2] Study of homeowner perceptions of leading national brands. Study commissioned by Pella, 2023.

[3] Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranties for complete details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service.

[4] See written warranties for complete details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service.



Beautiful Wood Designs
Pella Lifestyle Series picture windows with a white interior finish and Simulated-Divided-Light grilles complete this laundry room and office combination.

Why Choose Wood?

Get the beauty and warmth of natural wood, our most customizable designs and exceptional energy efficiency. All Pella wood products are made with high-quality wood, metal and manufacturing processes, regardless of the product line.

Exclusive Wood Protection

Pella's exclusive EnduraGuard® wood protection is applied after the pieces have been cut and milled, but prior to final assembly, providing advanced protection against the elements.

Designed for Long-Lasting Durability

Intentional jamb-on-sill design helps seal the end grain of the wood and elevates it off the rough opening, reducing the potential to absorb moisture. For added strength and durability, our three-way corner joints are made up of mortise-and-tenon, metal fasteners and commercial adhesive.

Quality Exterior and Interior Finishes

EnduraClad® finish is a tough, protective aluminum finish for the exterior of your home. The overlapping, watershed cladding resists chalking and fading. Interiors can be factory prefinished to save time. The interior finish is applied prior to final assembly and kiln-cured for a quality aesthetic.

Solutions for Real Life

- Four optional performance packages
- Integrated blinds and shades for added privacy
- Backed by the best limited lifetime warranty for wood windows and patio doors[1]
- Innovative Hidden Screen provides easy and convenient access to fresh air and natural light without compromising your view

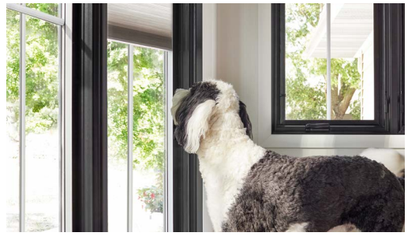






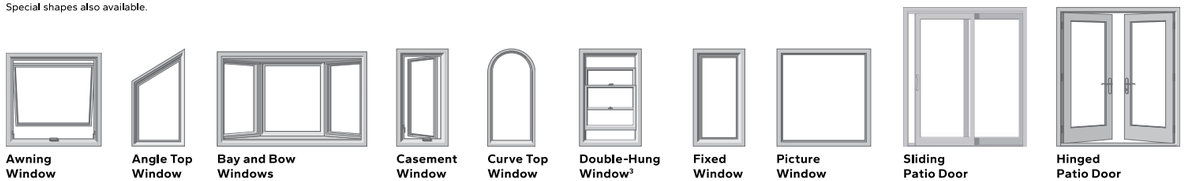






Available in these window & patio door styles:

Special shapes also available.



Awning Window · Angle Top Window · Bay and Bow Windows · Casement Window · Curve Top Window · Double-Hung Window[3] · Fixed Window · Picture Window · Sliding Patio Door · Hinged Patio Door

Why Choose Pella® Lifestyle Series?

Pella Lifestyle Series products are the #1 performing wood window and patio door for the combination of energy, sound and value.[2]

Style Flexibility

No matter the style of your home, these beautiful wood windows and patio doors offer the most desired features and options. With your choice of beautiful interior and exterior paints or stains, you have the style flexibility to match other finishes throughout your home.

Redefining Performance

Make your home more comfortable and help keep outside noises out and inside noises in. To make things easier, we've created performance packages to highlight what's most important to you. Upgrade from a dual- to a triple-pane glass design with the available packages to meet the unique needs of each room in your home.[3]

Room-by-Room Solutions

Packed with unique solutions like the Hidden Screen, TuffScreen® by Phifer and integrated blinds and shades, we designed windows and patio doors to work for your project room by room.[4]

Pella LIMITED LIFETIME WARRANTY

The Best Limited Lifetime Warranty for Wood Windows and Patio Doors[1]

You can be confident in your investment. At Pella, we are committed to designing and building wood products with exceptional quality and durability. This is supported by:

EnduraGuard® Wood Protection
Advanced protection for wood against the effects of moisture, decay, stains from mold and mildew — as well as termite damage.

Exterior Aluminum Cladding
Exceptionally durable aluminum cladding with EnduraClad exterior finish helps protect windows and patio doors for years.

Insulating Glass Seal
A long-lasting insulating seal provides a clear view and exceptional energy efficiency.

[1] Based on comparing written limited warranties of leading national wood window and wood patio door brands. See Pella written Limited Warranty for details, including exceptions and limitations, at pella.com/warranty or contact Pella Customer Service at 877-473-5527.
[2] Performance solutions require upgrades to triple-pane, AdvancedComfort Low-E and mixed glass thickness. Based on comparing product quotes and published STC/OITC and U-Factor ratings of leading national wood window and patio door brands.
[3] Double-hung window available only with dual-pane glass.
[4] All trademarks are property of their respective owners.

Designed for Real Life.

The best limited lifetime warranty.[1]
Pella wood products are covered by the best limited lifetime warranty for wood windows and patio doors.

Patented triple-pane design.
Pella's patented triple-pane glass design gets you products that provide excellent energy efficiency and sound reduction.

Superior energy efficiency.
Our patented triple-pane design helps make your home more comfortable. Available performance options deliver 79% more energy efficiency than standard single-pane windows.[2]



Noise reducing windows for a healthier home.
Varying glass thicknesses disrupt sound waves and help give you exceptional sound control. With available performance options, they cancel 52% more indoor and outdoor noise than standard single-pane windows.[3]

Increased privacy and security.
Integrated blinds and shades were intentionally designed to be accessible.[4] They are tucked between the insulating glass and an accessible glass panel, protected from dust, pets and little hands.

Trusted innovations.
Pella® Lifestyle Series windows and patio doors with integrated blinds and shades have been recognized by Parents for Window Blind Safety and have been certified as Best for Kids.

[1] Based on comparing written limited warranties of leading national wood window and wood patio door brands. See Pella written Limited Warranty for details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service at 877-473-5527.

[2] Window energy efficiency calculated in a computer simulation using RESFEN 6.0 default parameters for a 2000 sq. ft. new construction single-story home when Pella Lifestyle Series windows with the respective performance package are compared to a single-pane wood or vinyl window. Double-hung windows are not available with triple-pane glass. The energy efficiency and actual savings will vary by location. The average window energy efficiency is based on a national average of 94 modeled cities across the country and weighting based on population. For more details see pella.com/methodology.

[3] Reduction in sound based on OITC ratings of Pella Lifestyle Series windows with respective performance package compared to a single-pane wood or vinyl window with an OITC of 19. Calculated by using the sound transmission loss values in the 80 to 4000 Hz range as measured in accordance with ASTM E-90(09). Actual results may vary.

[4] Available on triple-pane products only.

Durable Hidden Screen
Black Pella Lifestyle Series double-hung windows with the Hidden Screen allow convenient access to fresh air without compromising the view.



Colors & Finishes

Wood Type

Wood species for complementing your home's interior.

Pine

Prefinished Pine Interior Colors

We can prefinish in a wide variety of colors. Unfinished or primed and ready-to-paint are also available.



White | Bright White | Linen White | Natural | Golden Oak | Early American | Provincial | Black

Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad® exterior finish resists fading and helps protect your windows and patio doors for years.

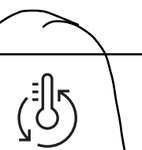


Black | White | Brown | Fossil

Iron Ore | Portobello | Putty | Almond | Classic White | Brick Red | Hartford Green | Wolf Gray

Glass[1]

InsulShield® Low-E Glass



Advanced Low-E insulating dual- and triple-pane glass with argon[2]



AdvancedComfort Low-E insulating dual- and triple-pane glass with argon[2]



NaturalSun Low-E insulating dual- and triple-pane glass with argon[2]



NaturalSun+ Low-E insulating dual- or triple-pane glass with argon

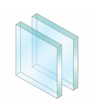


SunDefense™ Low-E insulating dual- and triple-pane glass with argon

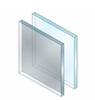


SunDefense+ Low-E insulating dual- or triple-pane glass with argon

Additional Glass Options



Tempered glass available on dual- and triple-pane products



Obscure and frosted obscure glass available on dual- and triple-pane products

[1] Double-hung window available with dual-pane glass only.
[2] Optional high-altitude Low-E insulating glass does not contain argon in most products. Please see your local Pella sales representative for more information.

Performance Packages

To make things easier, we've created performance packages that highlight what's most important to you.

Performance solutions offer an unbeatable combination of energy efficiency, sound control and value.[1] Upgrade from a dual- to a triple-pane glass design with the packages below to meet the unique needs of each room in your home.

All values below are averages compared with single-pane windows.

Performance

Improved energy efficiency and sound performance.

71% More Energy Efficient[2] + **34%** Noise Reduction[3]

Sound Control

Exceptional noise control for a quieter home.

52% Noise Reduction[3]

Energy Efficiency

Superior energy efficiency for a more comfortable home.

83% More Energy Efficient[2]

Ultimate Performance

The best combination of energy efficiency and noise control.

79% More Energy Efficient[2] + **52%** Noise Reduction[3]

SCAN THE QR CODE with your smartphone camera to learn more about how each performance package can benefit your home.

[1] Performance solutions require upgrades to triple-pane, AdvancedComfort Low-E and mixed glazing thickness glass. Based on comparing product quotes and published STC/OITC and U-Factor ratings of leading national wood window and patio door brands.

[2] Window energy efficiency calculated in a computer simulation using RESFEN 6.0 default parameters for a 2000 sq. ft. new construction single-story home when Pella Lifestyle Series windows with the respective performance package are compared to a single-pane wood or vinyl window. The energy efficiency and actual savings will vary by location. The average window energy efficiency is based on a national average of 94 modeled cities across the country and weighting based on population. For more details see pella.com/methodology.

[3] Reduction in sound based on OITC ratings of Pella Lifestyle Series windows with respective performance package compared to a single-pane wood or vinyl window with an OITC of 19. Calculated by using the sound transmission loss values in the 80 to 4000 Hz range as measured in accordance with ASTM E-90(09). Actual results may vary.

Grilles

Grille Types

Choose the look of true divided light or make cleaning easier with grilles-between-the-glass.

Dual-Pane:



Simulated-Divided-Light with Spacer 7/8"



Simulated-Divided-Light without Spacer 7/8"



Aluminum Grilles-Between-the-Glass 3/4"[1]

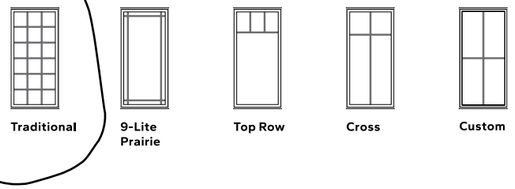
Triple-Pane:



Aluminum Grilles-Between-the-Glass 3/4"[1]

Grille Patterns

In addition to the patterns shown here, custom grille patterns are available.



Traditional | 9-Lite Prairie | Top Row | Cross | Custom

Screens[2]

Hidden Screen

The exclusive, easy-to-use Hidden Screen appears when you open a double-hung window and folds away when the window is closed. It allows 44% more natural light into your home when a window is closed than a standard screen.[3]

Rolscreen®

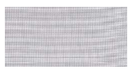
Rolscreen soft-closing retractable screens roll out of sight when not in use.
Available on casement windows.

TuffScreen® by Phifer

Keep bugs out and enjoy more fresh air with one of the most durable screen options on the market. The heavy-duty vinyl-coated screen is tear, puncture and damage resistant, standing up to pets, children and harsh weather. The TuffScreen by Phifer is 2.5x stronger than a standard screen.[4] Available on sliding patio door only.

Flat

InView™ screens are clearer than conventional screens and come standard.



InView™

[1] Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.
[2] Warning: Screen will not stop child or pet from falling out of window or door. Keep child or pet away from open window or door.
[3] Based on calculated screen cloth openness.
[4] Based on the composite results of a 5-panel strength analysis comparing TuffScreen and standard screening. All trademarks are property of their respective owners.

Integrated Blinds & Shades

Integrated Blinds*

Raise blinds up for an unobstructed view or tilt to let in just the right amount of light.



White | Poplar White | Bisque | Golden | Mocha | Storm | Black

Integrated Shades*

Our best integrated fabric shades feature a white exterior fabric for a uniform look from the street.

Light-Filtering:



White | Maize | Silver

Room-Darkening:



Cotton | Bamboo | Ash

Haven't landed on your final blind or shade color yet? No problem.
With our patented triple-pane design, you can make the decision later in the process. Our triple-pane products come with all of the hardware to add blinds or shades before they arrive to your home or later in the building or remodeling process.

Window Hardware

Essential Collection

Our most popular design with finishes to suit every style.

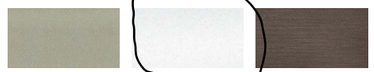


Fold-Away Crank



Cam-Action Lock

Finishes:



Champagne | White | Brown



Matte Black | Satin Nickel | Satin Brass

Patio Door Hardware

Essential Collection

Elevate your style and transform your home with elegant selections.



Hinged Patio Door Handle



Sliding Patio Door Handle

Finishes:



Champagne | White | Brown



Matte Black | Satin Nickel | Satin Brass

* Available on triple-pane products only.

THE CONFIDENCE OF A STRONG WARRANTY.

Pella® Lifestyle Series products are backed by the best limited lifetime warranty for wood windows and patio doors.* See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

NOTE: Product specifications may change without notice.
Actual colors may vary from those shown and products may vary slightly from illustrations and photos.

WANT TO LEARN MORE? CALL US AT 833-44-PELLA OR VISIT PELLA.COM

* Based on comparing written limited warranties of leading national wood window and wood patio door brands. See Pella written Limited Warranty for details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service at 877-473-5527.

ASK ABOUT ENERGY STAR

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	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"	Advan E IG	PEL-N-229-01009-00001	4	4	air	0.27	0.30	0.55	39				
	with -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				
	n-the-glass	PEL-N-229-00906-00001				0.32	0.51	0.58	53				
	d Light	PEL-N-229-00907-00001				0.33	0.51	0.58	53				
		PEL-N-229-00913-00001	4	4	air	0.34	0.55	0.65	51				
	he-glass	PEL-N-229-00914-00001				0.35	0.49	0.58	51				
	ded 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				

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.
Visit www.energystar.gov for Energy Star guidelines.

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

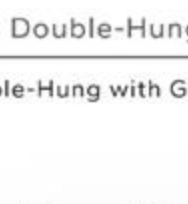
Grilles

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
- 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.

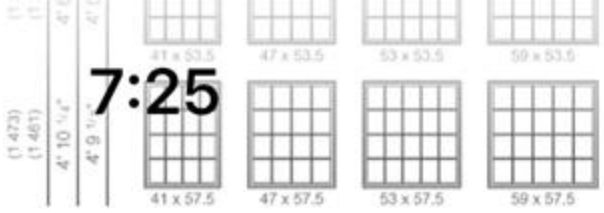
VG = Visible Glass
(1) Grilles are available in traditional patterns only.
Lite dimensions noted can vary.
For size and pattern availability contact your local Pella sales representative.

Size Tables - Double-Hung with GBG's and SDL's(1)

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				4' 0 3/4"
Frame	1' 9"	2' 1"	2' 5"					4' 0"
(908) (869) 2' 11 3/4" 2' 11"	2135	2535	2935	3335	3735	4135	4535	4835

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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.

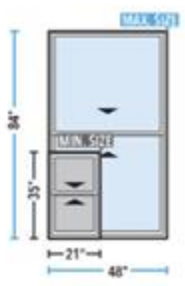
E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

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

Not to scale.
Traditional grille patterns shown.

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"



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.

New Construction Vent								
Unit	Egress	Clear Opening (Inches)		Vent Area Ft²	Visible Glass Ft²			
		Width	Height					
2135		17-13/16	14-1/4	1.8	3.2			
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	LC60

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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

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(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, requires tempered glass.
To convert areas to square meters (m^2), 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 high-impact 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] [stain[1]]].

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] [stain[1]]]. Exterior grilles to match the exterior cladding color.
  - Available only on units glazed with Low-E insulated glass with argon.

– or –

- Grilles-Between-the-Glass[2]
  - 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] [Tan[3]] [Brickstone] [Black] [Putty[3]] [Brown[3]] [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 screens[5]
  - 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.

Sensors

- Optional factory installed integrated security sensors available in vent units.

(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

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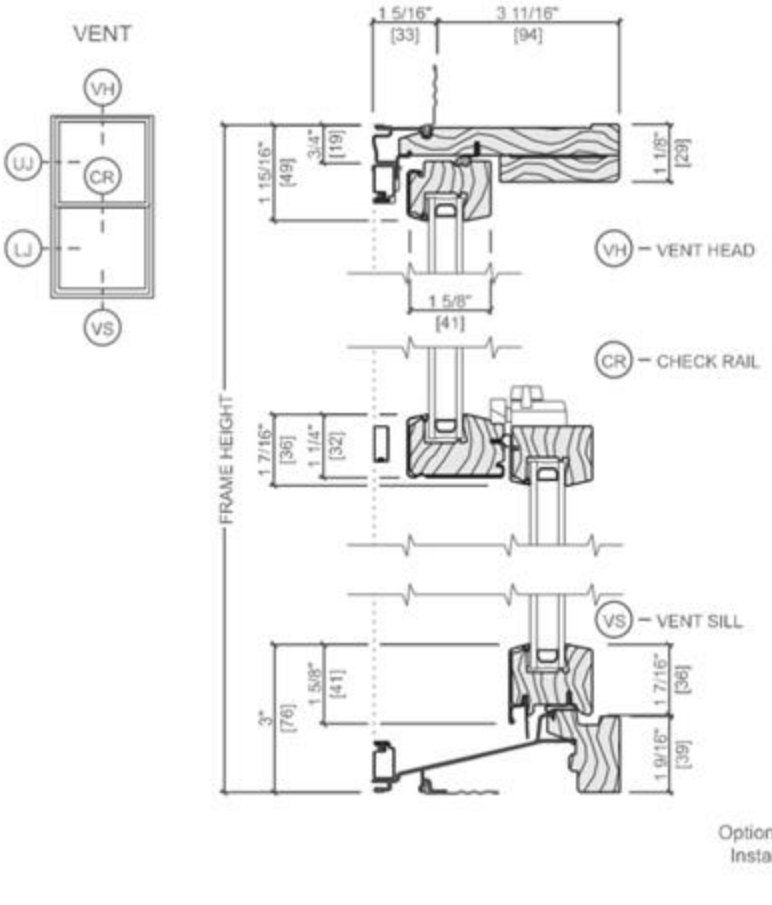
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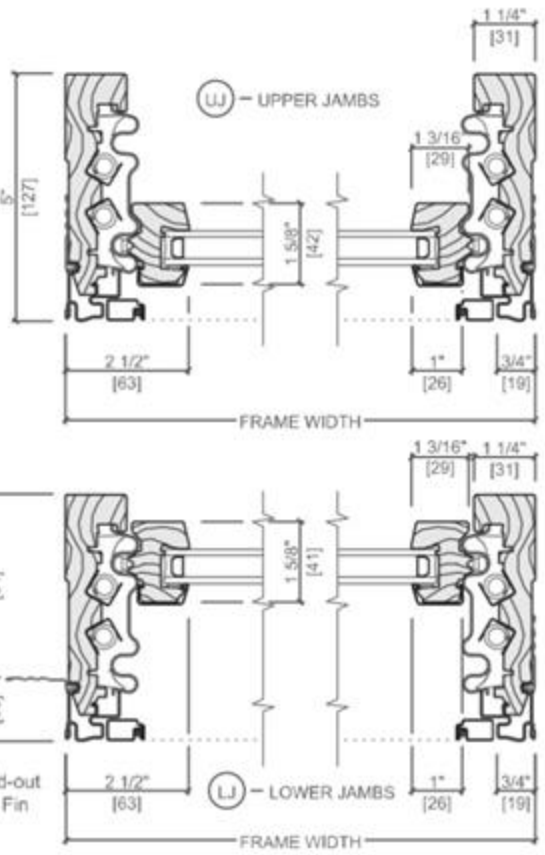
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Lifestyle Series Double-Hung

Unit Sections





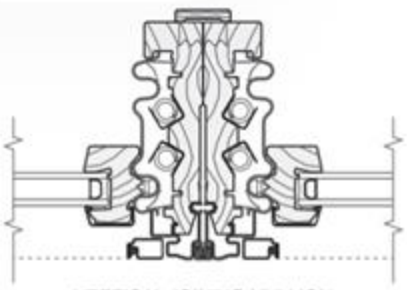
Scale 3" = 1' 0"
All dimensions are approximate.

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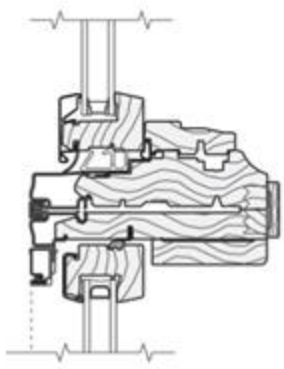
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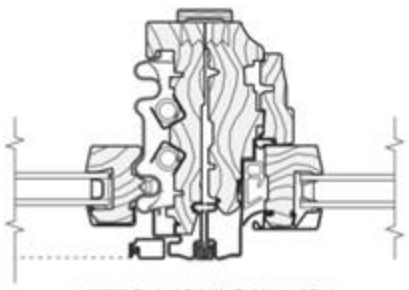




VERTICAL JOINING MULLION
VENT / VENT



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.

Lifestyle Series Double-Hung

Unit Sections



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

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