

**MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION**  
**STAFF REPORT**

<b>Address:</b>	29 West Irving Street, Chevy Chase	<b>Meeting Date:</b>	10/27/2021
<b>Resource:</b>	Contributing Resource (Chevy Chase Village Historic District)	<b>Report Date:</b>	10/20/2021
<b>Applicant:</b>	Allison and Peter McDonnell (Case Design & Remodeling, Agent)	<b>Public Notice:</b>	10/13/2021
<b>Review:</b>	HAWP	<b>Tax Credit:</b>	No
<b>Permit Number:</b>	953229 REVISION	<b>Staff:</b>	Michael Kyne
<b>PROPOSAL:</b> Fenestration alterations and alterations to the rear elevation			

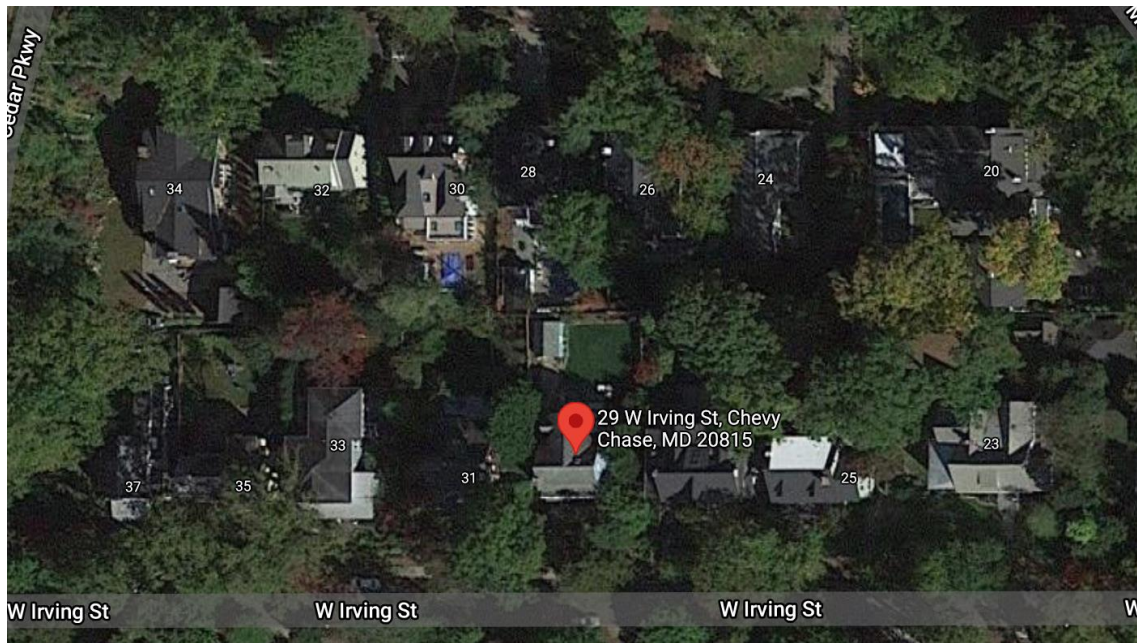
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**STAFF RECOMMENDATION:**

Staff recommends that the HPC **approve** the HAWP application.

**ARCHITECTURAL DESCRIPTION:**

**SIGNIFICANCE:** Contributing Resource within the Chevy Chase Village Historic District  
**STYLE:** Dutch Colonial/Regency  
**DATE:** c. 1892-1916



***Fig. 1: Subject property.***

**BACKGROUND:**

The Commission approved the applicants HAWP application for fenestration alterations and alterations to the rear elevation at the July 28, 2021 HPC meeting.<sup>1</sup>

**PROPOSAL:**

The applicants propose revisions to their previously approved HAWP application.

**APPLICABLE GUIDELINES:**

When reviewing alterations and new construction within the Chevy Chase Village Historic District several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include the historic preservation review guidelines in the approved and adopted amendment for the *Chevy Chase Village Historic District (Guidelines)*, *Montgomery County Code Chapter 24A (Chapter 24A)*, and the *Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

***Sec. 24A-8. Same-Criteria for issuance.***

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to insure conformity with the purposes and requirements of this chapter, if it finds that:

- (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
- (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
- (3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
- (4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or
- (5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; [emphasis added] or
- (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.

<sup>1</sup> Link to July 28, 2021 HAWP staff report: <https://montgomeryplanning.org/wp-content/uploads/2021/07/I.G-29-West-Irving-Street-Chevy-Chase-953229.pdf>

Link to July 28, 2021 audio/video transcript: [http://mncppc.granicus.com/MediaPlayer.php?publish\\_id=d792670e-f08f-11eb-81b1-0050569183fa](http://mncppc.granicus.com/MediaPlayer.php?publish_id=d792670e-f08f-11eb-81b1-0050569183fa)

(c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.

(d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (*Ord. No. 9-4, § 1; Ord. No. 11-59*)

### ***Chevy Chase Village Historic District Guidelines***

The guidelines break down specific projects into three levels of review – Lenient, Moderate and Strict Scrutiny.

“Lenient Scrutiny” means that the emphasis of the review should be on issues of general massing and scale, and compatibility with the surrounding streetscape, and should allow for a very liberal interpretation of preservation rules. Most changes should be permitted unless there are major problems with massing, scale and compatibility.

“Moderate Scrutiny” involves a higher standard of review than “lenient scrutiny.” Besides issues of massing, scale and compatibility, preserving the integrity of the resource is taken into account. Alterations should be designed so that the altered structure still contributes to the district. Use of compatible new materials, rather than the original building materials, should be permitted. Planned changes should be compatible with the structure’s existing design, but should not be required to replicate its architectural style.

“Strict Scrutiny” means that the planned changes should be reviewed to ensure that the integrity of the significant exterior architectural or landscaping features and details is not compromised. However, strict scrutiny should not be “strict in theory but fatal in fact” i.e. it does not mean that there can be no changes but simply that the proposed changes should be reviewed with extra care.

The Guidelines state three basic policies that should be adhered to, including:

Preserving the integrity of the contributing structures in the district. Alterations to contributing structures should be designed in such a way that the altered structure still contributes to the district.

Design review emphasis should be restricted to changes that will be visible from the front or side public right-of-way, or that would be visible in the absence of vegetation or landscaping.

Alterations to the portion of a property that are not visible from the public right-of-way should be subject to very lenient review. Most changes to rear of the properties should be approved as a matter of course.

The *Guidelines* that pertain to this project are as follows:

**Windows** (including window replacement) should be subject to moderate scrutiny if they are visible from the public right-of-way, lenient scrutiny if they are not. For outstanding resources, they should be subject to strict scrutiny. Addition of compatible exterior storm windows should be encouraged, whether visible from the public right-of-way or not. Vinyl and aluminum windows (other than storm windows) should be discouraged. Addition of security bars should be subject to lenient scrutiny, whether visible from the public right-of-way or not.

***Secretary of the Interior's Standards for Rehabilitation***

#2: The historic character of a property will be retained and preserved. The removal of distinctive materials or alterations of features, spaces, and spatial relationships that characterize a property will be avoided.

#9: New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

#10: New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

**STAFF DISCUSSION:**

The subject property is a c. 1892-1916 Dutch Colonial/Regency-style Contributing Resource within the Chevy Chase Village Historic District. There is a c. 1990s addition with open first floor porch at the northwest (rear/left, as viewed from the public right-of-way of West Irving Street) corner.

The applicants previously submitted a HAWP application for fenestration alterations and alterations to the rear elevation, which was approved by the Commission at the July 28, 2021 HPC meeting. The previous proposal included the following work items:

- Enclosure of the porch at the northwest (rear/left) corner of the 1990s addition.
- Replacement of the two paired 6-over-1 double-hung windows on the first floor, rear elevation of the 1990s addition with single lite aluminum-clad French doors.
- Replacement of the door unit on the second floor, rear elevation of the 1990s addition with two 6-over-6 aluminum-clad double-hung windows.
- Removal of the two round windows on the second floor, rear elevation of the 1990s addition.
- Replacement of the gable windows on the rear elevation of 1990s addition with a decorative, non-venting oval louver.
- Replacement of the 1-over-1 double hung window in the dormer on the east/right side of the 1990s addition with a fixed 6-lite aluminum-clad transom window.
- Replacement of the paired 6-over-1 double hung window on the first floor, east/right elevation of the 1990s addition with a single 4-over-4 aluminum-clad double hung window.
- Installation of one new 6-over-6 aluminum-clad double-hung window on the second floor, west/left elevation of the historic house.
- Patching the siding of the 1990s addition with wood lap siding to match the existing, where necessary.
- Construction of a step down to grade at the three proposed new French doors, with a new flagstone patio at grade to tie into the existing flagstone patio at the rear of the house.

The proposed revisions include:

- The previously approved new 6-over-6 aluminum-clad double-hung window on the second floor, west/left elevation of the historic house has been removed from the proposal.
- Removal of the half-round windows in the gables of the historic house (one on the west/left

- elevation, and one on the east/right elevation).
- Installation of new 6-over-6 aluminum-clad double-hung windows in the gables of the historic house (one on the west/left elevation, and one on the east/right elevation) for egress purposes.
  - As with the previous approval, the proposed windows will have permanently-affixed 7/8" interior and exterior muntins with internal spacer bars, and the new window casings will be constructed from wood to match the existing.
  - The proposed windows will match the style of the existing and previously approved window, but it will be reduced in height to be no more than 48" high.

Staff supports the applicants' proposal, finding it consistent with the *Guidelines*. As with the previously approved new window on the second floor, west/left elevation of the historic house, staff finds that the proposed fenestration alterations will be visible from oblique angles within the public right-of-way of West Irving Street. Accordingly, staff finds that the proposal should be subject to moderate scrutiny. Per the *Guidelines*, moderate scrutiny "involves a higher standard of review than 'lenient scrutiny.'" Besides issues of massing, scale and compatibility, preserving the integrity of the resource is taken into account. Alterations should be designed so that the altered structure still contributes to the district. Use of compatible new materials, rather than the original building materials, should be permitted. Planned changes should be compatible with the structure's existing design, but should not be required to replicate its architectural style."

Staff finds that the proposed fenestration alterations will preserve the integrity of the resource and the house will still contribute to the district. As noted, the use of compatible new materials, as proposed, should be permitted. Because the proposed new windows will match the style of the existing 6-over-6 historic windows, staff finds them to be compatible with the structure's existing design.

In accordance with *Standards #2 and #9*, the proposed fenestration alterations will not remove or alter character-defining features of the historic house or surrounding streetscape. Per *Standard #10*, the proposed new windows can be removed in the future without impairing the essential form and integrity of the historic property and its environment.

After full and fair consideration of the applicant's submission staff finds the proposal as being consistent with the Criteria for Issuance in Chapter 24A-(b) 1 and 2, having found the proposal is consistent with the *Secretary of the Interior's Standards for Rehabilitation #2, #9, and #10*, and the *Chevy Chase Village Historic District Guidelines* outlined above.

#### **STAFF RECOMMENDATION:**

Staff recommends that the Commission **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b) (1), (2), and (d), having found that the proposal is consistent with the *Chevy Chase Village Historic District Guidelines* identified above, and therefore will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the *Secretary of the Interior's Standards for Rehabilitation #2, #9, and #10*;

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or [michael.kyne@montgomeryplanning.org](mailto:michael.kyne@montgomeryplanning.org) to schedule a follow-up site visit.



APPLICATION FOR  
HISTORIC AREA WORK PERMIT  
HISTORIC PRESERVATION COMMISSION  
301.563.3400

FOR STAFF ONLY:

HAWP# \_\_\_\_\_

DATE ASSIGNED \_\_\_\_\_

**APPLICANT:**

Name: Allison and Peter McDonnell

E-mail: allison.mcdonnell@gmail.com

Address: 29 West Irving Street

City: Chevy Chase Zip: 20815

Daytime Phone: 202-320-6488

Tax Account No.: \_\_\_\_\_

**AGENT/CONTACT (if applicable):**

Name: Case Design /Remodeling

E-mail: smatus@casedesign.com

Address: 4701 Sangamore Rd NP 40

City: Bethesda Zip: 20816

Daytime Phone: 240-235-9764

Contractor Registration No.: 1176

**LOCATION OF BUILDING/PREMISE:** MIHP # of Historic Property \_\_\_\_\_

Is the Property Located within an Historic District? X Yes/District Name Chevy Chase Village  
\_\_\_\_\_ No/Individual Site Name \_\_\_\_\_

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: 29 Street: W. Irving Street

Town/City: Chevy Chase Nearest Cross Street: Cedar Parkway

Lot: 3 and 4 Block: 32 Subdivision: \_\_\_\_\_ Parcel: \_\_\_\_\_

**TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> New Construction   | <input type="checkbox"/> Deck/Porch          | <input type="checkbox"/> Shed/Garage/Accessory Structure                             |
| <input type="checkbox"/> Addition           | <input type="checkbox"/> Fence               | <input type="checkbox"/> Solar   |
| <input type="checkbox"/> Demolition         | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting                                       |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof                | <input checked="" type="checkbox"/> Window/Door                                      |
|   |  | <input checked="" type="checkbox"/> Other: <u>enclose covered rear porch/landing</u> |

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Susan Matus

7/6/2021

Signature of owner or authorized agent

Date

**HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING**  
**[Owner, Owner's Agent, Adjacent and Confronting Property Owners]**

<b>Owner's mailing address</b>	<b>Owner's Agent's mailing address</b>
29 West Irving Street Chevy Chase, Maryland 20815	4701 Sangamore Rd NP 40 Bethesda, Maryland 20816
<b>Adjacent and confronting Property Owners mailing addresses</b>	
Aaron and Charlotte Kramer 27 West Irving Street Chevy Chase, Maryland 20815	Robert and Judith Rovner 31 West Irving Street Chevy Chase, Maryland 20815
Francisco and Donna Arbide 26 West Kirke Street Chevy Chase, Maryland 20815	Donna Evers 28 West Kirke Street Chevy Chase, Maryland 20815
Anthony Marra 30 West Kirke Street Chevy Chase, Maryland 20815	



## WHAT HAS BEEN APPROVED

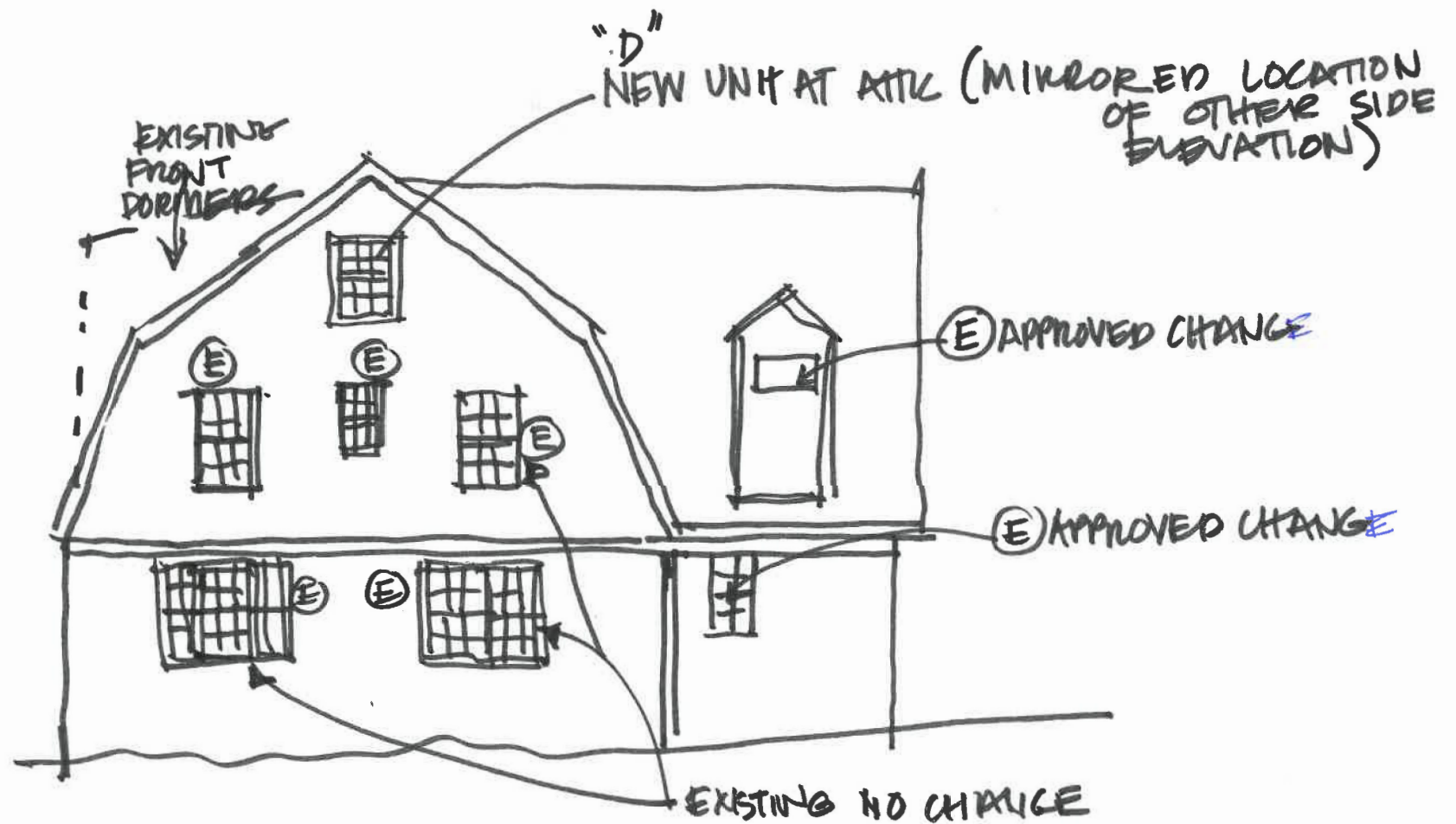


## OPTION A



Proposed Left Side Exterior Elevation/ Option A  
Scale: 1/4" = 1'-0"





SIDE ELEVATION

**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.

**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 1 1/16" [obscure] dual-seal insulating glass [[annealed] [tempered]] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort] [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]],

**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]] [Oil-Rubbed Bronze] [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]]. Exterior grilles to match the exterior cladding color.
  - Available only on units glazed with Low-E insulated glass with argon.
- Grilles-Between-the-Glass<sup>2</sup>
  - 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] [Brickstone] [Black] [Putty] [Browns] [Harvest] [Cordovan].
  - Exterior color [matched to the exterior cladding color] [White]<sup>4</sup>.
- Roomsides Removable Grilles
  - 3/4" [Traditional] [Custom - Equally Divided] removable solid pine wood bars steel-pinned at joints and fitted to sash with steel clips and tacks.
  - Interior [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [White] [Linen White] [Bright White] [stain]].
  - Exterior [unfinished, ready for site finishing] [factory primed] [factory prefinished, finish color matched to exterior cladding] [White]<sup>4</sup>.

**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.
- Vivid View® screens
  - Full-size PVDF 21/17 mesh, minimum 78 percent light transmissive screen, 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.

**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.



## Vent Units

	(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"
(908) (889)	 2135	 2535	 2935	 3335	 3735	 4135
(1 060) (1 041)	 2141	 2541	 2941	 3341	 3741	 4141
(1 213) (1 194)	 2147	 2547	 2947	 3347	 3747	 4147
(1 365) (1 346)	 2153	 2553	 2953	 3353	 3753	 4153
(1 467) (1 448)	 2157	 2557	 2957	 3357 E <sub>1</sub>	 3757 E	 4157 E
(1 517) (1 499)	 2159	 2559	 2959	 3359 E <sub>1</sub>	 3759 E	 4159 E
(1 670) (1 651)	 2165	 2565	 2965 E <sub>1</sub>	 3365 E	 3765 E	 4165 E
(1 822) (1 803)	 2171	 2571	 2971 E	 3371 E	 3771 E	 4171 E
(1 975) (1 956)	 2177	 2577 E <sub>1</sub>	 2977 E	 3377 E	 3777 E	 4177 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 ft<sup>2</sup>.

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

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.



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)						
(451) (432)						
(552) (533)						
(654) (635)						
(756) (737)						

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"		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"		3' 5"	3' 11"	4' 5"	4' 11"
(905) (889)									
(1 060) (1 041)					(1 517) (1 499)				
(1 213) (1 194)					(1 670) (1 651)				
(1 365) (1 346)					(1 822) (1 803)				
(1 467) (1 448)									

Not to scale.

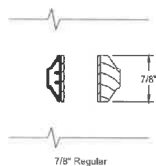
Traditional grille patterns shown.

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

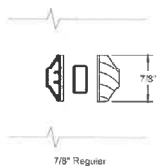


### Grille Profiles

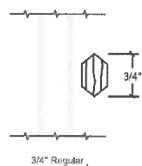
**Simulated-Divided-Light  
Grilles**



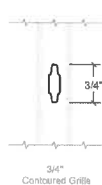
**Simulated-Divided-Light  
Grilles with optional spacer**



**Roomside Removable  
Grilles**

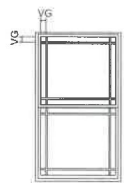


**Grilles-Between-the-Glass**

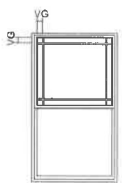


### Grille Patterns

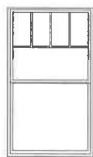
**Grilles-Between-the-Glass and Simulated-Divided-Light Grilles**



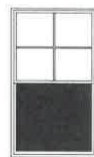
9-Lite Prairie



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  $\geq$  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.



**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] [mahogany] (standard rectangular windows only). Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are [pine] [mahogany].
- Overall frame depth is 4-3/8" (111mm) for a wall depth of 4-3/16" (106mm).
- Vinyl Jamb liner includes wood / clad inserts.
- Optional factory applied jamb extensions available between 4-5/16" (110mm) and 9-3/16" (233mm).

**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] [mahogany] (standard rectangular windows only). Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are [pine] [mahogany].
- Sash exterior profile is putty glaze, interior profile is ogee.
- Corners [mortised and tenoned on rectangular units] [mitered on arch head units], glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47mm).
- [Double-Hung: Upper sash has surface-mounted wash locks] [Single-Hung: Fixed upper sash has surface-mounted wash locks] [Arch Head units have no wash locks].
- Lower sash has concealed wash locks in lower check rail.
- Sashes tilt in for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.

**Weatherstripping**

- Water-stop santoprene-wrapped foam at head and sill. Thermoplastic elastomer bulb with slip-coating set into lower sash for tight contact at check rail.
- Vinyl-wrapped foam inserted into jamb liner to seal against sides of sash.

**Glazing System**

- Quality float glass complying with ASTM C 1036.
- Custom and high altitude glazing available.
- Silicone-glazed 11/16" dual-seal insulating glass [[annealed] [tempered]] [[clear] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort] [NaturalSun Low-E] with argon]] [[bronze] [gray] [green] [Advanced Low-E with argon]].

**Exterior**

- [Pine: factory primed with one coat acrylic latex] [Mahogany: factory primed with one coat acrylic latex] [Unfinished, ready for site finishing].

**Interior**

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [pine: factory prefinished [paint] [stain]].

**Hardware**

- Galvanized block-and-tackle balances are connected to self-locking balance shoes which are connected to the sashes using zinc die cast terminals and concealed within the frame.
- Sash lock is [standard (cam-action)] [historic spoon-style] [air-conditioner lock] [simulated lock (Single-piece lock ties upper and lower sash together. When removed lower sash becomes operable)]. Two sash locks on units with frame width 37" and greater.
- Optional sash lift furnished for field installation. Two lifts on units with frame width 37" and greater.
- Hardware finish is [baked enamel (Champagne) [White] [Brown] [Matte Black]] [bright brass] [satin nickel] [oil-rubbed bronze] [antique brass] [distressed bronze] [distressed nickel].

**Optional Products****Grilles**

- Integral Light Technology® grilles
  - Interior grilles are solid [5/8"] [7/8"] [1-1/4"] ogee profile that are solid [pine] [mahogany]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]].
  - Exterior grilles are solid [5/8"] [7/8"] [1-1/4"] putty glaze profile that are [pine] [mahogany]. Exterior surfaces are water repellent, preservative-treated in accordance with WDMA I.S.-4, and are [unfinished, ready for site finishing] [factory primed].
  - Patterns are [Traditional] [Prairie] [Top Row] [New England] [Victorian].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer

- or -

**Grilles-Between-the-Glass<sup>2</sup>**

- Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
- Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
- Interior color is [White] [Tan<sup>3</sup>] [Brown<sup>3</sup>] [Putty<sup>3</sup>] [Black] [Morning Sky Gray] [Ivory] [Sand Dune] [Harvest] [Cordovan] [Brickstone].
- Exterior color is [Standard]<sup>1</sup>.

- or -

**Roomside Removable grilles**

- [[3/4"] [1-1/4"] [2"] regular] [[1-1/4"] [2"] colonial] profile, with [Traditional] [Prairie] patterns that are removable solid pine wood bars steel-pinned at joints and fitted to sash with steel clips and tacks.
- Interior [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]].
- Exterior [unfinished, ready for site finishing] [factory primed].

**Screens****InView™ Screens**

- [Half-Size] [Full-Size<sup>4</sup>] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in a [standard roll-form aluminum frame with 3/4" wide rails and stiles] [premium extruded aluminum frame with 1" wide rails and stiles] fitted to outside of window, supplied complete with all necessary hardware.
- Full screen spreader bar placed on units > 37" width or > 65" height.
- Insect screen frame finish is baked enamel.

- or -

**Vivid View® Screens<sup>6</sup>**

- [Half-Size] [Full-Size] PVDF 21/17 mesh, minimum 78 percent light transmissive screen, set in a [standard roll-form aluminum frame with 3/4" wide rails and stiles] [premium extruded aluminum frame with 1" wide rails and stiles] fitted to outside of window, supplied complete with all necessary hardware.
- Full screen spreader bar placed on units > 37" width or > 65" height.
- Insect screen frame finish is baked enamel.

**Hardware**

- Optional factory applied limited opening device available for vent units in stainless steel; nominal 3-3/4" opening. Limiting device concealed from view.
- Optional factory applied window opening control device. 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 in clear or Low-E insulating glass with argon, and obscure insulated glass.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(4) Full screens are available on units ≤ 96" height.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

(6) Vivid View screen is not available when frame height is > 84" or when both frame width and frame height are > 48".

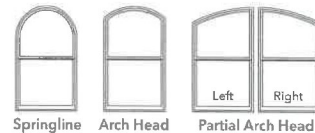


### Size Tables - Equal Sash

Fixed Transoms		(552) (533)	(654) (635)	(756) (737)	(857) (838)	(959) (940)	(1 060) (1 041)	(1 162) (1 143)	(1 238) (1 219)
Opening		1' 9 3/4"	2' 13/4"	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"
(654) (635)	(375) (365)								
	(441) (442)								
	(375) (365)								
Vent Units									
(1 060) (1 041)	(908) (889)								
(1 213) (1 194)	(1 060) (1 041)								
(1 365) (1 346)	(1 213) (1 194)								
(1 467) (1 448)	(1 365) (1 346)								
(1 518) (1 499)	(1 467) (1 448)								
(1 670) (1 651)	(1 518) (1 499)								
(1 822) (1 803)	(1 670) (1 651)								
(1 975) (1 956)	(1 822) (1 803)								
(2 151) (2 134)	(1 975) (1 956)								
	(2 151) (2 134)								

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.



Pella Reserve single-hung windows are available in shapes shown above, and additional custom shapes per drawing. For specifications, size limitations, and details on these units, contact your local Pella sales representative.

### Opening Dimensions

**Clad Exterior Units:**

Dimensions shown in standard size tables are rough opening dimensions.

**Wood Exterior Units:**

**Wood Exterior Units:**  
Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood sub sill.

Frame	Rough		Masonry	
Brickmould	Width	Height	Width	Height
STD	+ 3/4"	+ 1-7/8"	+ 3-1/8"	+ 3-1/8"
3-1/2"	+ 3/4"	+ 1-7/8"	+ 6-3/8"	+ 4-3/4"

For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.

## 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 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

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

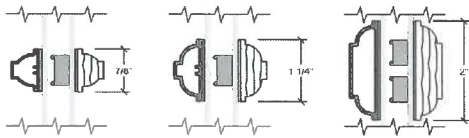
Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. You should consult your local building code to ensure products with Rolscreens meet egress requirements.



### Integral Light Technology® Grilles

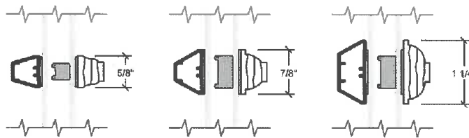
#### Ogee Grilles

Clad Exterior - Wood Interior



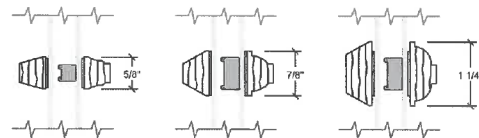
#### Putty Glaze and Ogee Grilles

Clad Exterior - Wood Interior

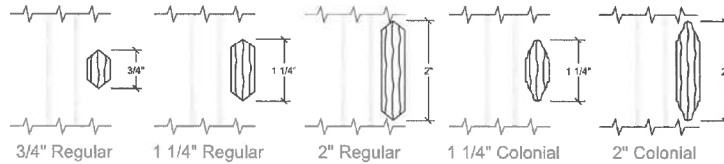


#### Putty Glaze and Ogee Grilles

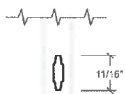
Wood Exterior - Wood Interior



### Roomside Removable Grilles



### Grilles-Between-the-Glass



3/4"  
Contoured Grille

Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.  
Exterior wood ILT grilles available in Pine or Mahogany to match complete unit.