

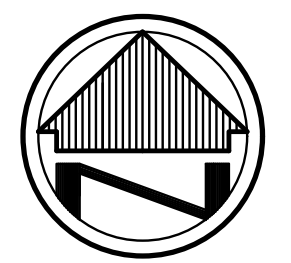




PAVEMENT LEGEND

-  INSTALL STANDARD DUTY CONCRETE PAVEMENT.
-  INSTALL BRICK PAVER PAVEMENT.



SCALE: 1"=20'

PRELIMINARY
NOT FOR
CONSTRUCTION

PROJECT NARRATIVE

THE PROPOSED WORK CONSISTS OF THE DEMOLITION OF EXISTING PATIOS AND WALKS AND THE CONSTRUCTION OF BUILDING ADDITION TO THE EXISTING ARTS CENTER BUILDING.

THE ENTIRE PARCEL IS BOUNDED BY PUBLIC STREETS. THE PROPERTIES ACROSS THE STREET ALONG THE WEST, NORTH, AND EAST SIDES OF THE PROPERTY ARE OWNED BY THE WESTERN RESERVE ACADEMY. THE PROPERTIES ACROSS THE STREET TO THE SOUTH ARE SINGLE FAMILY HOUSES.

EXISTING LAND USE SUMMARY

	AREA	%	C
LAWNS	11.28 AC	76.01	0.47
PAVEMENTS AND WALKS	1.89 AC	12.74	0.98
BUILDINGS	1.67 AC	11.25	0.98
TOTAL	14.84 AC	100.00	0.59

PROPOSED LAND USE SUMMARY

	AREA	%	C
LAWNS	11.22 AC	75.61	0.47
PAVEMENTS AND WALKS	1.80 AC	12.13	0.98
BUILDINGS	1.82 AC	12.26	0.98
TOTAL	14.84 AC	100.00	0.59

STORM WATER MANAGEMENT

THIS PROJECT CONSISTS OF REMOVING EXISTING SIDEWALKS AND RETAINING WALLS AND CONSTRUCTION A NEW BUILDING ADDITION.

THE OVERALL STORMWATER RUNOFF FOR THE EXISTING PARCEL WILL NOT BE INCREASED APPRECIABLY DUE TO THE LIMITED LIMITED SCOPE OF THIS PROJECT.

SURVEY DISCLAIMER

THE EXISTING SURVEY INFORMATION SHOWN ON THIS PLAN WAS PROVIDED BY APEX LAND SURVEYING. VERIFICATION OF EXISTING INFORMATION WAS NOT PERFORMED AS PART OF THIS PLAN. IF DISCREPANCIES ARE FOUND WITH THE EXISTING CONDITIONS VERSUS WHAT IS SHOWN ON THESE PLANS, CONTRACTOR SHOULD NOTIFY ENGINEER.

BASIS OF BEARINGS

THE BASIS FOR BEARINGS FOR THIS SURVEY IS GRID NORTH OF THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83 (2011).

BENCHMARK

SUMMIT COUNTY CONTROL MONUMENT "HU 106 AT SOUTHEAST CORNER OF S.R. 91 AND PROSPECT STREET, 28 FEET EAST OF CENTERLINE OF S.R. 91 AND 51 FEET SOUTH OF CENTERLINE OF PROSPECT STREET.

ELEVATION = 1100.11 (NAVD88)

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

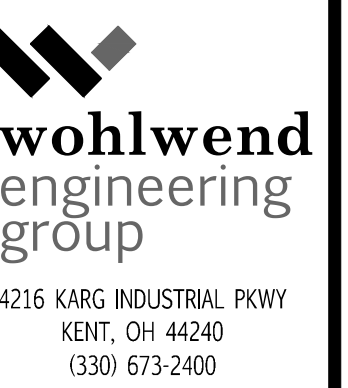


OHIO811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)

ISSUES AND REVISIONS
1 02-09-2026 PLANNING COMMISSION
2 04-15-2026 REVISED PER PLANNING COMMISSION

ARTS AND INNOVATION CENTER
BUILDING ADDITION TO KNIGHT FINE ARTS CENTER
FOR WESTERN RESERVE ACADEMY

130 N. OVIATT STREET
CITY OF HUDSON, SUMMIT COUNTY, OHIO 44236



02-09-2026

PROJECT NUMBER
20250062

OVERALL
SITE PLAN

C-100

[Home](#) / [Brick](#) / [Face](#) / [Belcrest 530](#)

BELCREST 530

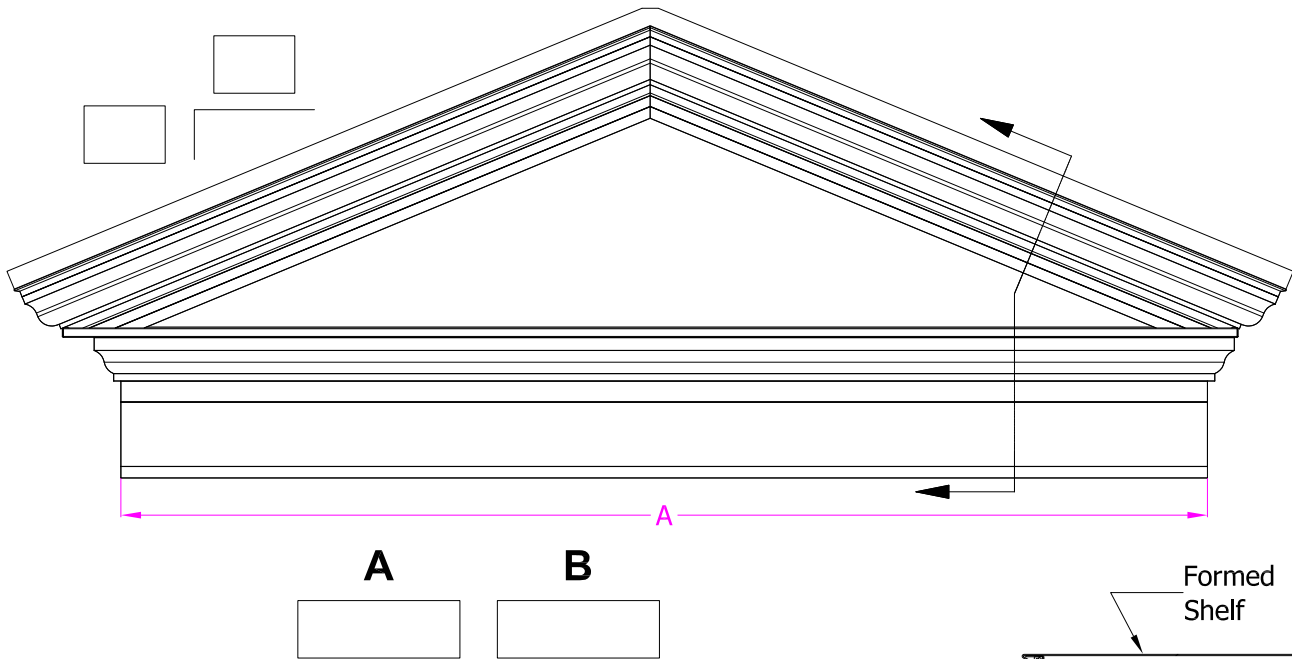


Type	Face
Color	Red
Texture	Sandmold
Plant	Plant 3
Manufacturing Method	Molded
Coating	Sand
Series	Belcrest

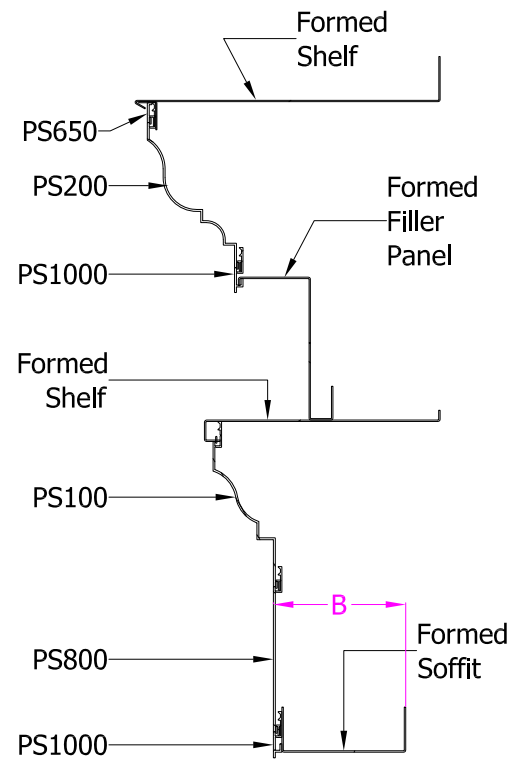
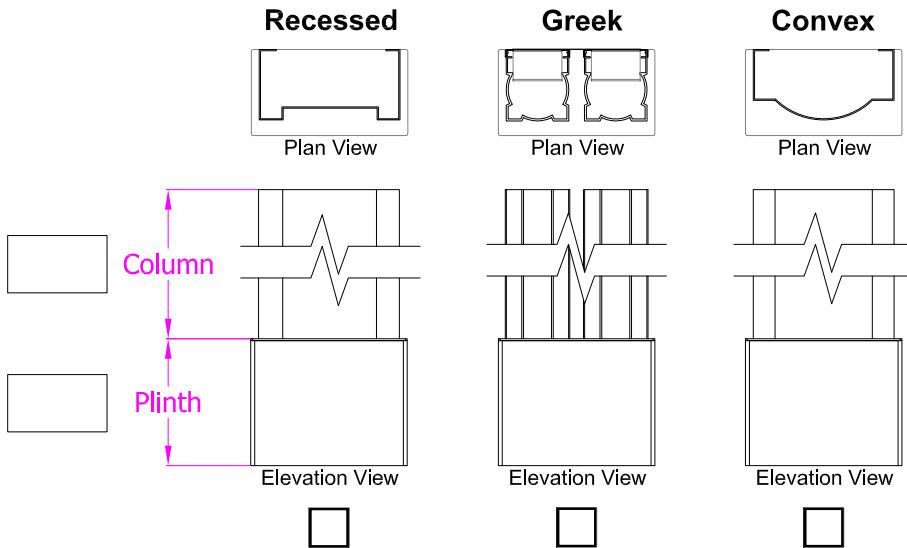


SUBMITTAL / DATA SHEET

Designer Series Pediment Model A-100



Typical Column Options



Designer Series Pediment, Entablature and Column Systems: These systems are fabricated and assembled with extruded and formed aluminum components creating a classical building element to accent any facade opening. The modular design makes installation quick and easy. A variety of standard designs are available with the option to custom design the pediment, entablature or column system that best accents the design intent of the structure. Each system can be fully assembled with mounting gussets or supplied as individual components for field assembly.

Customer:

Project:

Address:

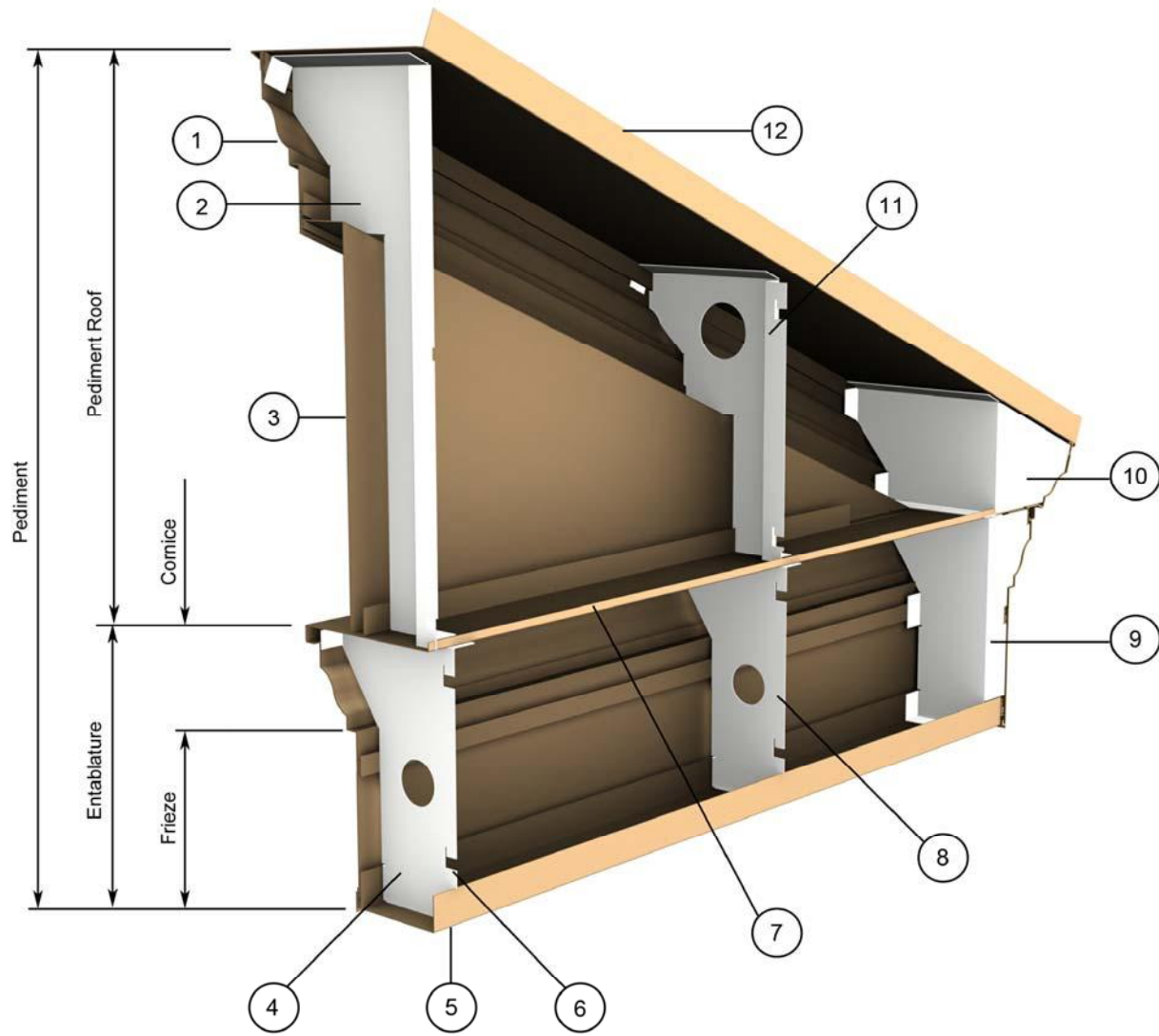
Location:

Phone / Fax:

Architect:



Designer Series Pediment



Pediment Rear Half Cut Away View

- | | |
|------------------------------|---------------------------|
| 1. Rake Cornice | 7. Shelf (self draining) |
| 2. Center Gusset | 8. Entablature Mid Gusset |
| 3. Infill | 9. Entablature End Gusset |
| 4. Entablature Center Gusset | 10. End Gusset |
| 5. Soffit | 11. Mid Gusset |
| 6. Mounting Notch (Typical) | 12. Roof |

Holes are provided in gussets to allow for lifting and passage of electrical wiring

Customer:

Project:

Address:

Location:

Phone / Fax:

Architect:



Roofing Materials

Building Materials

For Home and Building Owners

For Pros

[Find a contractor](#)

Timberline HDZ[®]

Curated colors for any home. Backed by industry-first technologies and powerful warranties.

★★★★★ 4.8 (19260) [WRITE A REVIEW](#)

[Get an Estimate](#)

[Find a Contractor](#)



ARCHITECTURAL COLUMNS AND COLUMN COVERS



RoyalCast
Fiberglass Columns



RoyalLite
Fiberglass FRP Column Covers



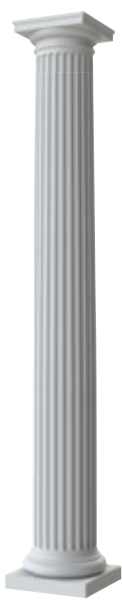
RoyalStone
Synthetic Stone Columns

Royal Corinthian manufactures many types of architectural columns which can be mixed and matched on a single project due to uniformity. We offer RoyalCast™ fiberglass columns, RoyalLite™ lightweight fiberglass columns, RoyalStone™ synthetic stone columns, and RoyalConcrete™ eps backed G.F.R.C columns (PVC column wraps on next page). All of our columns emulate the architecture of the Greeks and Romans but use composite technology to insure longevity. Our RoyalLite™ column covers (except for RoyalLite™ pultruded square columns which are load-bearing) and RoyalWrap™ PVC column wraps are shipped in halves and can be factory assembled to act as whole columns. G.F.R.C. columns are made in segments and are built up on site. The rest of the columns can be factory split into a variety of plan types and can be used as column covers as well.

STYLES



#100
Round
Tapered
Plain



#150
Round
Tapered
Fluted



#200
Round
Non-
Tapered
Plain



#250
Round
Twisted



#300
Round
Barrel



#325
Greek Doric
Fluted



#350
Square
Non-
Tapered
Plain



#400
Square
Non-
Tapered
Panel



#450
Square
Non-
Tapered
Double Panel

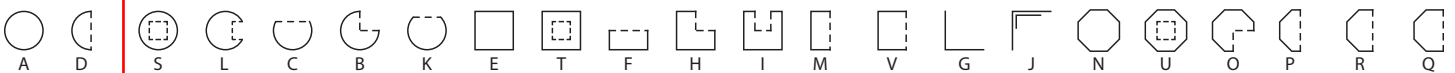


#500
Square
Fluted



#550
Square
Tapered
Plain

PLAN TYPES





Product Selection Guide

Size and Performance Data..... W-HG-2

Features and Options..... W-HG-3

Combination Assemblies W-HG-4

Glazing Performance W-HG-6

Grille Types

Grille Profiles..... W-HG-10

Grille Patterns W-HG-11

Size Tables for Double- and Single-Hung W-HG-12

Cottage Sash Units..... W-HG-14

Replacement Units..... W-HG-15

Design Data

Miscellaneous Formulas W-HG-19

Double- and Single-Hung W-HG-20

Replacement Units..... W-HG-25

Detailed Product Descriptions..... W-HG-30

Unit Sections

Wood Collection..... W-HG-32

Double-, and Single-Hung Clad..... W-HG-33

Single- and Double-Hung Wood W-HG-39

Supporting documents for this product:

(Link path included for easy copy/paste sharing, click on links to open document or access by visiting Pella.com)

Test Reports:

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

CSI Specs

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

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

AIA Masterspec

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

https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/085200_fl.doc?utm_source=pdfdoc

Detailed Product Description

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

Clad: https://media.pella.com/professional/adm/Clad-Wood/PR-DoubleHung-C.rtf?utm_source=pdfdoc

Wood: https://media.pella.com/professional/adm/Clad-Wood/PR-DoubleHung-W.rtf?utm_source=pdfdoc

Size Tables

(requires appropriate CAD software to read and use):

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

CAD cross sections

(requires appropriate CAD software to read and use):

Clad: https://media.pella.com/professional/adm/Clad-Wood/ASRM5DH3_D.dwg?utm_source=pdfdoc

Wood: https://media.pella.com/professional/adm/Clad-Wood/ASWM4DHRPT3b.dwg?utm_source=pdfdoc

3D & BIM

(requires appropriate software to read and use):

https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Window-Double_Hung-Pella-Reserve-Traditional.zip?utm_source=pdfdoc

Sketchup

(requires appropriate software to read and use):

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

Combination Recommendations:

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

Installation Details:

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

Impact-Resistant Double-Hung, Complete Product Information:

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

Bay/Bow Details:

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

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The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.



Pella® Reserve™ Traditional Hung Window

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	—
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	SunDefense+ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	NaturalSun+ Low-E
Clear (no Low-E coating)	
Additional Glass Options	
Annealed Glass	Tempered Glass
	Obscure Glass ₁
	Low-E Tinted Glass (Bronze, Gray and Green)
	Non-Impact Laminated Dual-Pane Insulating Glass
Gas Fill/High Altitude	
Argon	High altitude
Exterior	
Exterior Sash Profile	
Ogee	Putty Glaze
Exterior Finish	
EnduraClad® aluminum-clad exterior	EnduraClad Plus protective finish, Factory Primed Pine wood exterior, Unfinished Mahogany wood exterior
Cladding Colors	
Standard colors ₁	Feature Colors, Custom Colors ₁
Interior	
Unfinished wood	Factory primed
	Factory prefinished paint ₁
	Factory prefinished stain ₁
Wood Types	
Pine	Mahogany, Douglas Fir
Hardware	
Hardware Types	
Sash lifts, Cam-action lock	Simulated lock
	Air conditioner lock
	Historical spoon-style lock (surface mounted)
Hardware Finishes	
Champagne, White, Brown or Matte Black	Satin Brass, Satin Nickel, Oil-Rubbed Bronze, Distressed Bronze, Distressed Nickel ₄
Tilt-Wash Cleaning	
Tilt to interior on both sashes	—
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, New England, Victorian, Diamond, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row ₁ , Cross, Custom-Equally Divided
Screens	
—	Integrated Rolscreen® - retractable screen, InView™ screens, in standard roll-form or premium extruded aluminum frame

(—) = Not Available

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

(2) Only available for Pella Reserve products with triple glazing. Not available with high altitude glazing.

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

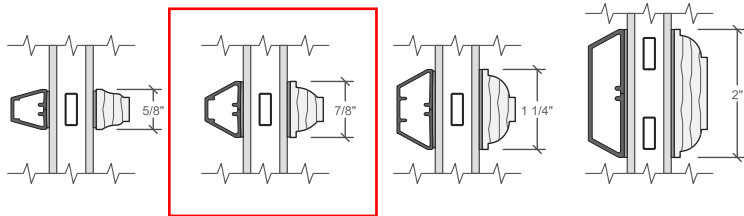
(4) Antique Brass, Distressed Nickel, Distressed Bronze finishes available for Historical spoon-style lock only.



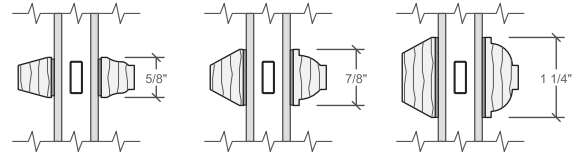
Grille Profiles

Traditional Style Collection - Integral Light Technology®

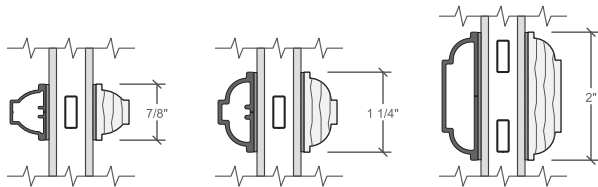
Putty Glaze and Ogee Grilles
Clad Exterior - Wood Interior



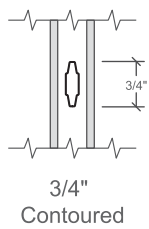
Putty Glaze and Ogee Grilles
Wood Exterior - Wood Interior



Ogee Grilles
Clad Exterior - Wood Interior



Grilles-Between-the-Glass



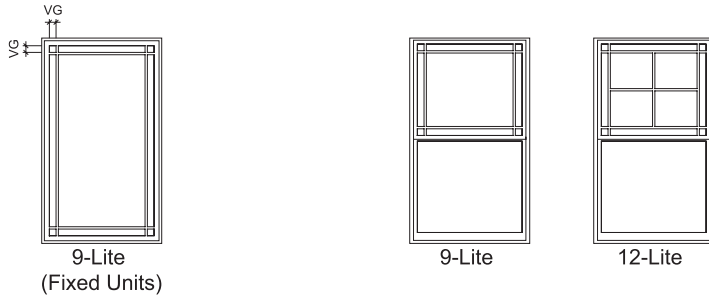
Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.
Exterior wood ILT grilles available in Pine or Mahogany to match complete unit.



Grille Patterns

Integral light technology® Grilles

Prairie Lite Patterns

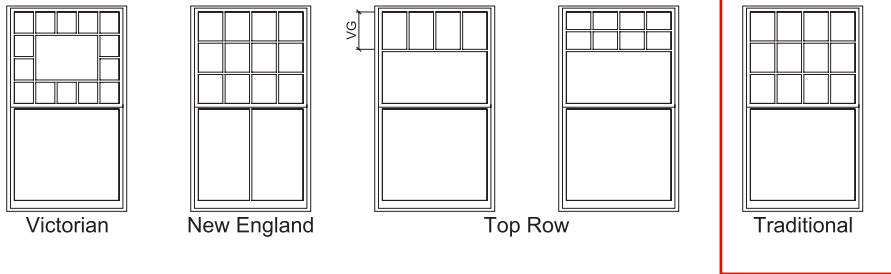


Standard corner lite dimension for Prairie patterns = 2-1/2" VG.

Available in transoms ≥ 1'3" height and width.

Available in all standard and special sizes.

Other Available Patterns

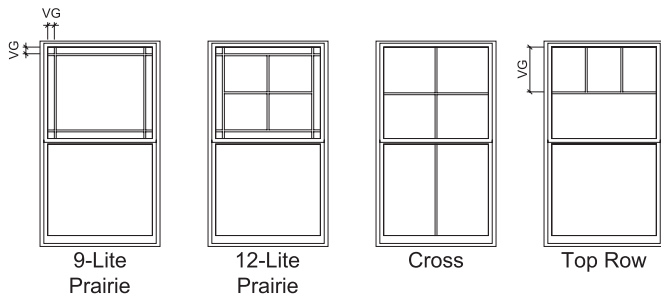


VG = Visible Glass

Lite dimensions noted can vary.

For size and pattern availability contact your local Pella sales representative.

Grilles-Between-the-Glass



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

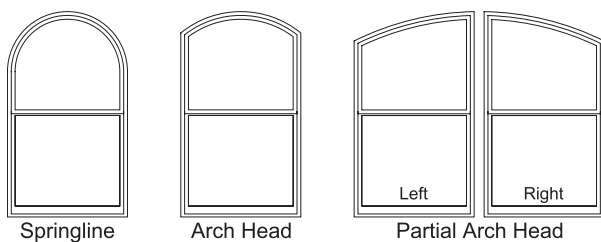
- Minimum DH frame height 35".

- Horizontal bar will be at 1/2" of the VG height of the top sash.

For traditional patterns, see size tables.

Custom shapes

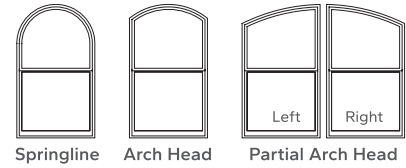
Pella Reserve single-hung windows are available in custom shapes shown below, and additional shapes per drawing. For specifications, size limitations, and details on these units, contact your local Pella sales representative.





Pella® Reserve™ Traditional Hung Window

Size Tables - Equal Sash



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:
Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

Frame	Rough		Masonry	
	Width	Height	Width	Height
Brickmould				
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 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.

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

Fixed Transoms

(552)	(654)	(756)	(857)	(959)	(1 060)	(1 162)	(1 238)
(533)	(635)	(737)	(838)	(940)	(1 041)	(1 143)	(1 219)

Opening	1' 9 3/4"	2' 1 3/4"	2' 5 3/4"	2' 9 3/4"	3' 1 3/4"	3' 5 3/4"	3' 9 3/4"	4' 0 3/4"
Frame	1' 9"	2' 1"	2' 5"	2' 9"	3' 1"	3' 5"	3' 9"	4' 0"
1' 2"	2114	2514	2914	3314	3714	4114	4514	4814
1' 5"	2117	2517	2917	3317	3717	4117	4517	4817
2' 1"	2125	2525	2925	3325	3725	4125	4525	4825

Vent Units

(908)	(889)	(1 060)	(1 041)	(1 213)	(1 194)	(1 365)	(1 346)	(1 467)	(1 448)	(1 518)	(1 499)	(1 670)	(1 651)	(1 822)	(1 803)	(1 975)	(1 956)	(2 153)	(2 134)																																																												
2' 11 3/4"	2' 11"	3' 5 3/4"	3' 5"	3' 11 3/4"	3' 11"	4' 5 3/4"	4' 5"	4' 9 3/4"	4' 9"	4' 11 3/4"	4' 11"	5' 5 3/4"	5' 5"	5' 11 3/4"	5' 11"	6' 5 3/4"	6' 5"	7' 0 3/4"	7' 0"																																																												
2135	2535	2935	3335	3735	4135	4535	4835	2141	2541	2941	3341	3741	4141	4541	4841	2147	2547	2947	3347	3747	4147	4547	4847	2153	2553	2953	3353	3753	4153	4553	4853	2157	2557	2957	3357	3757	4157	4557	4857	2159	2559	2959	3359	3759	4159	4559	4859	2165	2565	2965	3365	3765	4165	4565	4865	2171	2571	2971	3371	3771	4171	4571	4871	2177	2577	2977	3377	3777	4177	4577	4877	2184	2584	2984	3384	3784	4184	4584	4884

Not to scale.

































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



Pella® Reserve™ Traditional Hung Window

Size Tables - Fixed

Fixed Units

	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)
Opening	3' 5 ³ / ₄ "	3' 11 ³ / ₄ "	4' 5 ³ / ₄ "	4' 11 ³ / ₄ "
Frame	3' 5"	3' 11"	4' 5"	4' 11"
(908) (889)	 4135	 4735	 5335	 5935
(1 060) (1 041)	 4141	 4741	 5341	 5941
(1 213) (1 194)	 4147	 4747	 5347	 5947
(1 365) (1 346)	 4153	 4753	 5353	 5953
(1 467) (1 448)	 4157	 4757	 5357	 5957
(1 518) (1 499)	 4159	 4759	 5359	 5959
(1 670) (1 651)	 4165	 4765	 5365	 5965
(1 822) (1 803)	 4171	 4771	 5371	 5971

Opening Dimensions

Clad Exterior Units:

Dimensions shown in standard size tables are rough opening dimensions.

Wood Exterior Units:

Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

Frame	Rough		Masonry	
	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.

Not to scale.

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

Grille patterns will align with companion hung window with equal sash split.

5-lite high grille patterns may be ordered in 5'5" fixed units to match cottage sash vent units.

Grilles are equally-divided on fixed units with odd-number lites high.



Pella® Reserve™ Traditional Hung Window

Special Sizes and Dimensions

Special Size Frame Dimensions*

Sash configuration	Vent-Equal	Cottage	Fixed
Sash Glass Ratio Top % : Bottom %	50 : 50	40 : 60	NA
Shortest Unit Frame Size	24-3/8" (619)	40-1/4" (1 022)	17" (432)
Tallest Unit Frame Size	96" (2 438)	81" (2 057)	71" (1 803)
Unit Frame Width Range	14" to 48" (356 to 1 219)	14" to 48" (356 to 1 219)	17" to 59" (432 to 1 499)

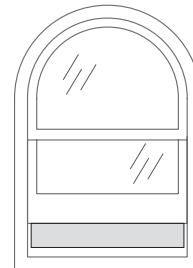
Opening Dimensions

Clad Exterior Units:
Dimensions shown in standard size tables are rough opening dimensions.

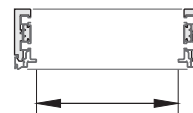
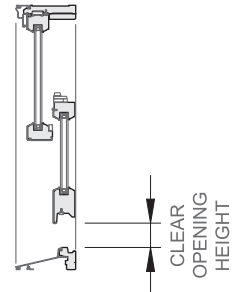
Wood Exterior Units:
Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

Frame	Rough		Masonry	
	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"

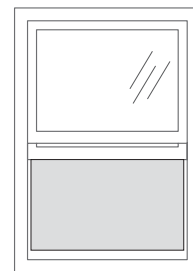
For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.



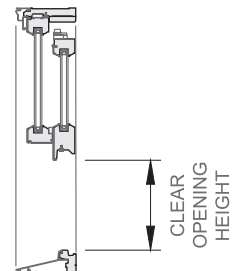
Shaded portion shows vent area.



CLEAR OPENING WIDTH



Shaded portion shows vent area.



Equal Sash Rectangular Only

	Vent Units	Fixed and Transom Units
	Visible Glass	Width = Frame - 5.647" Height = (Frame - 8.681") ÷ 2
Actual Glass	Width = Frame - 4.375" Height = (Frame - 5.983") ÷ 2	Width = Frame - 4.375" Height = Frame - 4.375"
Clear Opening*	COW = Frame Width - 3.4375"	—
	COH = (Frame Height ÷ 2) - 4.4375"	—
Vent Area Ft ²	(COW x COH) ÷ 144	—

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

* Some units with custom glazing may have limited travel. Integrated Rolscreen® is only available on sizes greater than or equal to 34" tall and 21" wide and less than or equal to 84" tall and 48" wide.

See your local Pella sales representative for specific size information.



Detailed Product Description - Aluminum-Clad Exterior

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] [douglas fir].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127mm) for a wall depth of 3-11/16" (94mm).
- Optional factory applied jamb extensions available between 3-13/16" (97mm) and 9-3/16" (233mm).
- Vinyl jamb liner with wood / clad inserts.
- 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] [mahogany] [douglas fir]. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are clad with extruded aluminum butt-jointed at all corners of the sash with through-stile construction and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47mm).
- Double-Hung: Upper sash has surface-mounted wash locks for easy tilt-in cleaning] [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 allowing sash to tilt in for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.
- Sash exterior profile is [ogee] [putty glaze], interior profile is ogee.

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.
- Kerf mounted bristle weatherstrip at sill.
- 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 dual-pane 11/16" dual-seal insulating glass [[annealed] [tempered]], [[clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [AdvancedComfort] Low-E [with argon]] [[bronze] [gray] [green] Advanced Low-E [with Argon]]] [obscure] [Reflective Bronze].
- Silicone-glazed dual-pane 13/16" dual-seal [[annealed] [tempered]] non-impact laminated glass [[clear] [[Advanced] [SunDefense] Low-E [with Argon]] [[bronze] [gray] [green] Advanced Low-E [with argon]].

Exterior

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [standard] [feature] [custom]₁.
- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
 - Color is [standard] [feature] [custom]₁.

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [pine: factory prefinished [paint] [stain]₁].

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]] [Satin Brass] [Satin Nickel] [Oil-rubbed Bronze] [Distressed Bronze] [Distressed Nickel].

Optional Products

Sash

- Exterior sash lugs
 - Optional factory applied accessory. Exterior finish is [Standard]₁] [Custom]₁.

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]₁].
 - Exterior grilles are [5/8" putty glaze profile] [7/8" [putty glaze] [ogee] profile] [1-1/4" [putty glaze] [ogee] profile] [2" ogee profile] that are extruded aluminum.
 - 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.
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
 - Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
 - Interior color is [White] [Tan₃] [Brown₃] [Putty₃] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₄ is [standard]₁.

Screens

- Integrated Rolscreen® (for rectangular units only)₆
 - Retractable screen integrated into [lower sash] [both upper and lower sash]. Screen rollers are fixed and concealed within the frame, screen is held to the sash by magnets which release when the bottom sash is tilted for cleaning, and when the upper sash is opened past 18".
 - InView Screen cloth, black vinyl-coated 18/18 mesh fiberglass screen cloth complying with ASTM D 3656 and the performance requirements of SMA 1201.
- InView™ screens
 - [Half-Size] [Full-Size₄] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in a [standard roll-form] [premium extruded] aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Full screen spreader bar placed on units > 37" width or > 65" height.
 - Screen frame finish is [standard screen: baked enamel] [premium extruded: baked enamel], color to match window cladding.

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.

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

(2) Available in clear or Low-E insulating glass only.

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

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

(6) Integrated Rolscreen only available on sizes ≥ 34" tall and 21" wide, and ≤ 84" tall and 48" wide.



Detailed Product Description - Wood Exterior

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.
- Kerf mounted bristle weatherstrip at sill.
- 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] [SunDefense™] [SunDefense+] [AdvancedComfort] [NaturalSun] [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]¹].

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]] [satin brass] [satin nickel] [oil-rubbed bronze] [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]¹].
 - 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-Glass²
 - 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] [Tan³] [Brown³] [Putty³] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color⁵ is [standard]¹.

Screens

- InView™ Screens
 - [Half-Size] [Full-Size⁴] 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.

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.

(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.

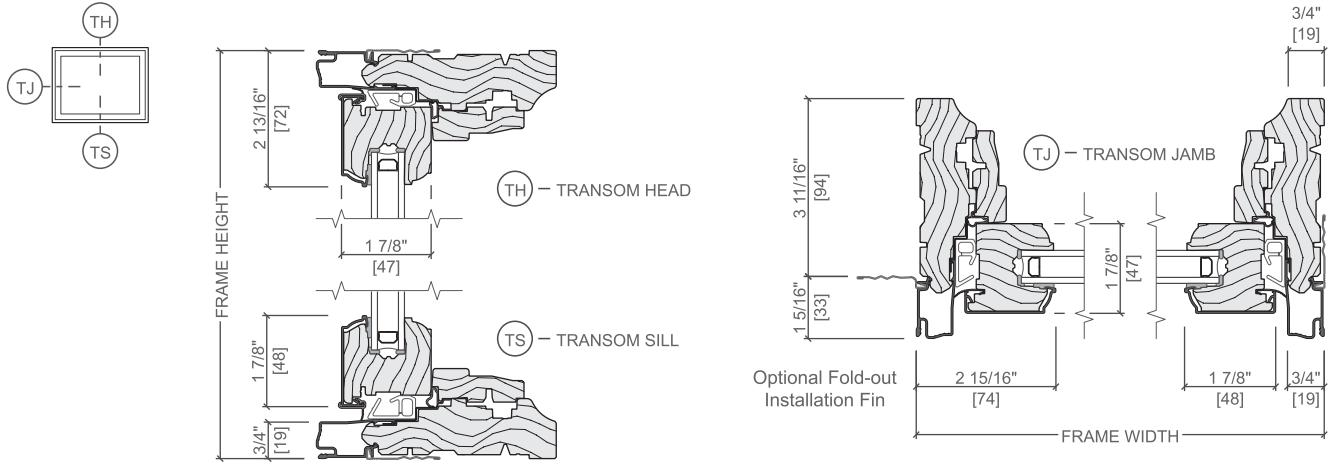
(4) Full screens are available on units ≤ 96" height.

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

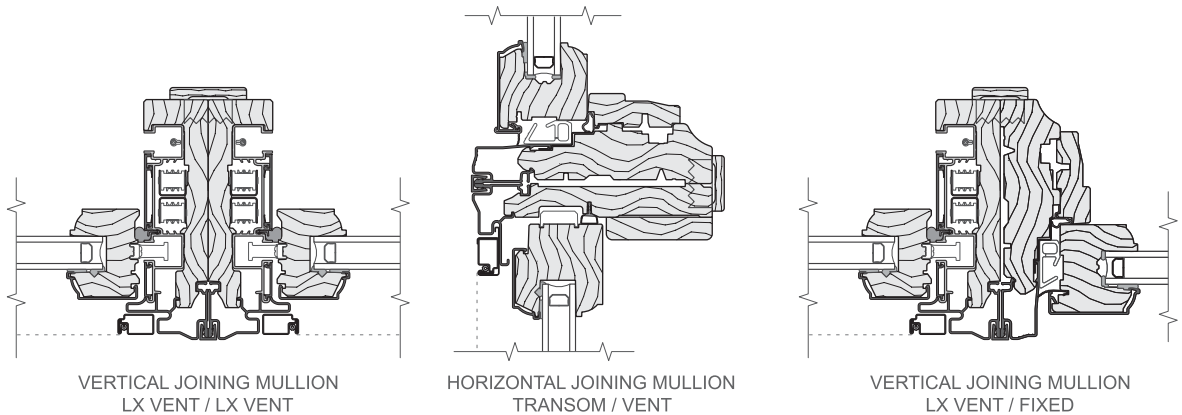


Pella® Reserve™ Traditional Hung Window

Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile



Typical Joining Mullions



Scale 3" = 1' 0"

All dimensions are approximate.

See supporting document Combination Recommendations, for mullion limitations and reinforcing requirements.



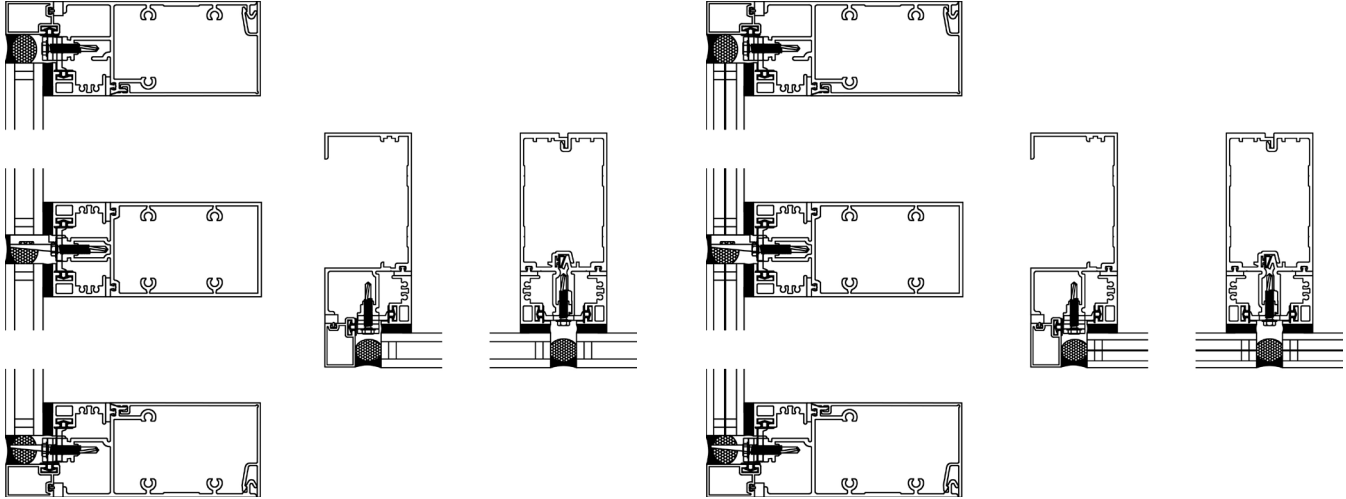
Reliance™ Cassette Curtain Wall

Streamlined by design. Powered by performance.

Great curtain wall design is about more than appearance - it's about performance you can trust. Reliance™ Cassette brings both together in a **4-sided structurally glazed system that streamlines shop glazing** while delivering next-generation efficiency. **Pre-glazed cassette frames simplify installation**, creating a seamless aesthetic with **options to integrate entrances or face caps**. **Thermal performance is tailored to every project, with the choice of advanced efficiency using a 1" IGU or next-generation performance with a 1" thin triple IGU**. Reliance™ Cassette delivers the clean look of structural glazing with the advanced thermal performance to match.

Reliance™ Cassette Curtain Wall

Details



Double Pane Glazing

Thin Triple Pane Glazing

Features

May be installed using Reliance™ shear block curtain wall or Reliance™-SS screw spline curtain wall

Captured perimeter or captured intermediate installation options

Can transition from 4-sided silicone to standard

Accepts 1" insulating glass or 1" thin triple insulating glass

Reliance™ or Reliance™-SS with pre-engineered transition assemblies

Accommodates low profile door frames for entrance doors

Accommodates Zero Sightline projected and casement vents

Performance

Air Infiltration: <math><0.06</math> CFM/SQ FT (6.24PSF) per ASTM E283

Static Water: 15 PSF per ASTM E331

Dynamic Water: 15 PSF per AAMA 501.1

Seismic per AAMA 501.4 and AAMA 501.6

Thermal Cycling per AAMA 501.5

Sound: STC & OITC testing per ASTM E90
Thermal Performance per NFRC 100 for 1" CoG insulating glass of 0.24:
U-factor = 0.29

Thermal Performance per NFRC 100 for 1" CoG thin triple insulating glass of 0.10:
U-factor = 0.18

NFRC Certified and Thermal Performance Characteristics per NFRC 100

Finishes

Factory painted KYNAR 500/ HYLAR 5000 finishes, meeting all provisions of AAMA 2605 & 2805

Factory-anodized finishing



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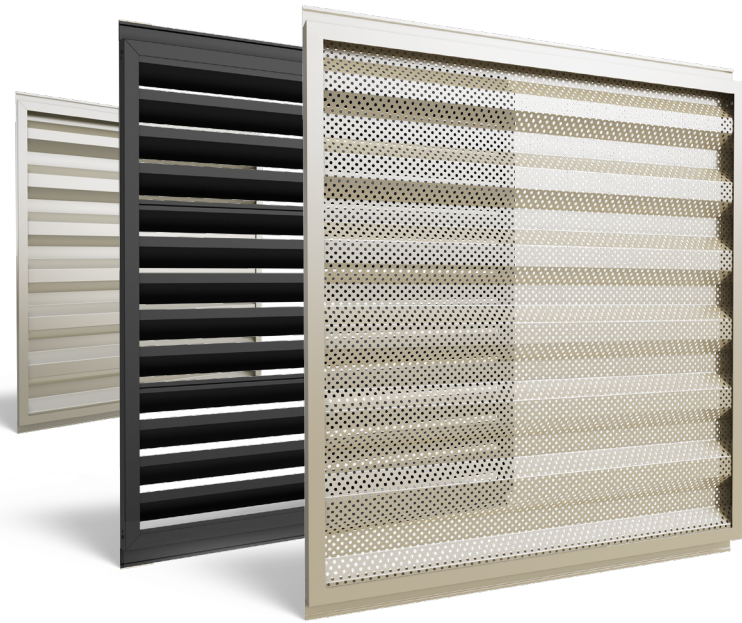
For more info: Contact your Oldcastle BuildingEnvelope® representative, visit us online at OBE.com, or call us at 1-866-OLDCASTLE (653-2278).



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From Idea to Installation

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Every Envisor® system is custom and delivered as a complete solution—designed, built, and supported by CityScapes from start to finish.

- TAILORED ENGINEERING
- PRECISION IN-HOUSE MANUFACTURING
- ORGANIZED, READY-TO-INSTALL SHIPMENTS
- OPTIONAL PROFESSIONAL INSTALLATION
- FULL PROJECT SUPPORT THROUGHOUT



Envisor®

Elegant.

THOUGHTFULLY CRAFTED OPTIONS, FULLY TAILORED TO YOUR SPECS



UNIT ATTACHED



UNIT ATTACHED - STACKED



POST MOUNTED SOLUTIONS

CUSTOM
SIZE & FINISH
AVAILABLE



4.0 CORRUGATED HORIZONTAL



4.0 CORRUGATED VERTICAL



7.2 RIB SOLID HORIZONTAL



7.2 RIB SOLID VERTICAL
Engineered to meet code in high-wind V zones.



7.2 RIB PERFORATED HORIZONTAL



7.2 RIB PERFORATED VERTICAL



PAN SOLID



PAN PERFORATED

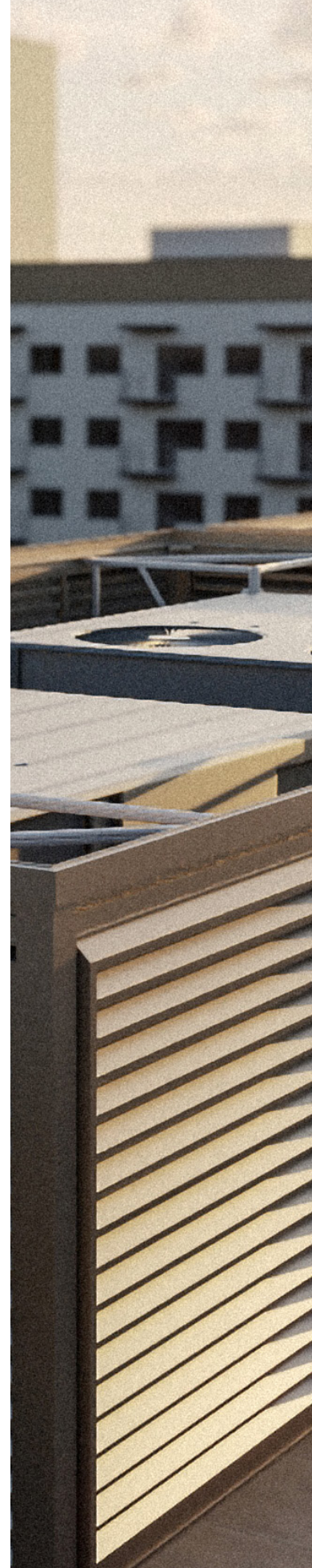


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Metal Infills

STRENGTH AND STYLE IN EVERY PANEL

- Material: 6063 T6 extruded aluminum – strong and corrosion-resistant
- Finish: Sherwin-Williams 4000 Series powder coat – long-lasting protection and color
- Modular: Stackable panels for adjustable height and coverage



LOUVER



HORIZONTAL RIB



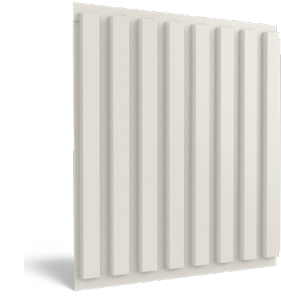
7.2 RIB



FLAT PAN



BATTEN



VERTICAL RIB



CUSTOM

Acrylicap® ABS Panels

DURABILITY MEETS CREATIVITY AND CUSTOMIZATION

- Composition: .187" acrylic-capped ABS – tough and lightweight
- UV-Resistant: Maintains integrity under sun exposure
- Hygienic: Antimicrobial and anti-fungal surface protection
- Durable: Engineered for high-performance environments