



Style, performance, durability
for over 60 years

WOOD

windows & doors



www.bonnevillewd.com



OUR PRODUCTION TEAM IS COMPOSED OF THE FINEST FRENCH-CANADIAN CRAFTSMEN AND OUR MILLWORK IS OF THE HIGHEST TECHNOLOGICAL PRECISION, PRODUCING COMPONENTS WITHIN ONE-TENTH OF A MILLIMETER, THAT'S BETTER THAN 1/64TH OF AN INCH.

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BONNEVILLE'S SINGLE AND
DOUBLE HUNG.
THE GOLD STANDARD.

Standard or Made-to-Order. The Choice is Yours.

Windows for practical inspiration.

Whatever your blueprints dictate, Bonneville has the window. We have a wide variety of standard sizes in casements, awnings, gliding and hung windows, as well as a full range of standard-sized architectural-shaped products, plus French doors and Gliding patio doors.

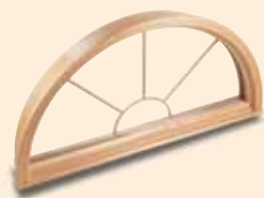
If custom windows are what your project needs, Bonneville will fit your vision perfectly and adapt to your plans to produce unique made-to-order windows that will



Casement



Awning



Architectural



Double Hung
(Platinum Series)



Double Hung
(Gold Series)



Double Hung
(Bronze Series)

match your specifications and special requirements. Custom production is our specialty, as over 50% of our production is custom work.



Slider



Bow



French Door
(FR-61)



French Door
(FR-50)



Patio Door
(B-50)

Quality Windows Begin With Quality Materials.

OUR PRODUCTS DON'T JUST LOOK GOOD. BONNEVILLE OFFERS YOU THE HIGHEST QUALITY CHOICES IN MATERIALS FOR FRAMES, SILLS AND SASHES.



**EASTERN
WHITE PINE**



This venerable wood grows from northern Georgia to northern Maine and west to the Great Lakes. It has been the mainstay of residential construction on the eastern seaboard for generations. It ranks high on stability and low on shrinkage. Comparatively uniform in texture and straight grained, Eastern White Pine adorns the majority of windows and doors manufactured by Bonneville. Most consumers appreciate the light brown color, often highlighted with a reddish glow. It is a classic beauty.



**WESTERN
RED CEDAR**



Our red cedar grows in the Pacific Northwest, from British Columbia along the coast all the way to Alaska. Known to be highly resistant to decay, this aromatic species is offered by Bonneville for those who want something a little more unique. Its palette ranges from reddish, pinkish and soft brown to the ivory of its sapwood. This rustic wood is perfect for those who want to add a touch of under-stated elegance to their home.



**DOUGLAS
FIR**



When they look for the best in structural lumber, the first choice of architects and engineers is Douglas fir. It is dimensionally stable and universally recognized for its superior strength-to-weight ratio. The species also enjoy a superior performance against strong forces resulting from natural phenomena such as winds, storms and earthquakes. Douglas fir has earned respect from industrial users worldwide because when it comes to high performance demands and extreme stress conditions, it meets the test!



**ALUMINUM
CLADDING**

Bonneville uses extruded aluminum cladding on their sashes and frames because there is simply no other way to get around our perfectly milled sashes and frames. Extruded aluminum curves around our multitude of shapes and sizes, hugging the exterior of our wood products to protect them and avoid costly maintenance. Our system keeps the harsh weather out while maintaining a highly aesthetic finish. Extruded frames and casings provide a rugged perimeter for our windows. It is offered in ten standard colors of baked-on enamel paint.

We'll Lite Up Your Home

BONNEVILLE PROVIDES FOUR DISTINCT DIVIDED LITE PRODUCTS TO MEET YOUR NEEDS.

TRUE DIVIDED LITES (TDL)

For the purist seeking historical authenticity, Bonneville provides its true divided lites. Assembled with individual insulated glass, separated by 1 3/8" (35 mm) thick muntin bars, these windows are the real thing.



Cladded



Natural



Optional Bronze Spacer available on all our window lines.

SIMULATED DIVIDED LITES (SDL)

Muntins are permanently attached with a rugged foam-tape adhesive to the interior and exterior of the glass, achieving the look of true divided lites. Besides the obvious aesthetics of this window, simulated divided lites provide incredible design flexibility. They can be shaped, turned, and assembled in just about any design desired. Add spacer bars inside the insulated glass and it's difficult to see the difference from the authentic true divided lites.



Natural



Extruded aluminum cladding



Available in pine, cedar, clear Douglas fir and extruded aluminum in 5/8" (16 mm), 7/8" (22 mm) or 1 1/8" (29 mm) width.

REMOVABLE GRILLES

Achieve the look more practically and economically with Bonneville's removable grilles. They are available in pine, cedar or clear vertical grain Douglas fir with the option of half cladding, in any one of our ten standard colors of aluminum cladding. They also allow for easy maintenance and cleaning.



Natural



5/8" (16 mm) half-cladded or natural – also available 7/8" (22 mm) Georgian

INTERIOR ALUMINUM GEORGIAN GRILLES (GBG)

Totally maintenance-free, these grilles are inside the insulated glass. A beautiful Georgian profile provides pleasing aesthetics and completely hassle-free window washing.



Exterior Mouldings, Hardware and Cladding Options provide beautiful framing, inside and out.



BEAUTIFUL ON THE OUTSIDE...

Platinum Series

Extra heavy duty balance hardware and extruded aluminum frame cladding with nailing fin are your best choice for jobs that ask for very large windows (up to 44 square feet (4 m²) on double hungs). With this line of products, you have access to the same exterior options as our Gold Series, but with extra size capabilities.

Gold Series

Bonneville's Gold Series is raising the standard for the residential market. In addition to its extruded aluminum frame cladding, we offer a choice of brickmould 908, nailing fin or 3 1/2" (89 mm) flat casing in the same type of extrusion. We also offer aluminum cladding colors (ten standard and fifteen optional), that include our famous extruded aluminum frame cladding and nailing fin.

Bronze Series

The Bronze Series features the same casing options, ten standard aluminum cladding colors, and a folding nailing fin for fast and easy installation.

A choice of six (6) attractive colors of hardware are available on some of our window product lines.



White



Coppertone



Bright brass



Antique brass



Brushed chrome



Oil rubbed bronze

Aluminum Cladding Standard Colors*/**



Gentek 502
(maize)



Gentek 548
(brown)



Gentek 567
(burgundy)



Gentek 508
(sandalwood)



Gentek 086
(white)



Gentek 524
(black)



Gentek 574
(nutmeg brown)



AND BEAUTIFUL ON THE INSIDE, TOO.

Bonneville also offers interior casings for its architectural windows, so you always get a perfect fit. A variety of jamb extensions in either pine or cedar will meet any wall thickness up to 10 inches (254 mm).



Gentek 517
(sage)



Gentek 559
(pebble)



Gentek 598
(green)

OPTIONAL COLORS

For optional colors, ask for the Bonneville color chart from your representative.

* Colors may vary from those illustrated due to printing process.

** Except Bronze Hung Series, slider and sash replacement kit.



Casement

Bonneville's casement window has a unique structural assembly that allows for more glass area, letting wonderful light in and allowing you to see the beautiful views out. All our casements open smoothly, providing ventilation and effortless cleaning.

Designed for the harshest weather.

Our frames are made of full 1 1/4" (32 mm) stock and include high performance compression weatherstrips. The bottom part of the sash also includes a high efficient polyflex weatherstripping, thereby creating our most energy-efficient operating window.

Built to last.

Bonneville only uses top-quality Eastern white pine, Western red cedar or clear vertical grain Douglas fir, kiln-dried to 12% moisture content and preservative-treated in accordance with A440-M98, AAMA/NWWDA/101 i.s. 2-97 and the NFRC. The 1 1/4" (32 mm) thick frames are assembled with sealing and solid fasteners at each corner, guaranteeing an increased durability. Sashes are a full 1 3/4" (44 mm) thick and Jamb depth is 4 9/16" (116 mm). The hardware is coated with E-Gard which is a superior chemical and corrosive-resistant finish that will protect the casement operating mechanism.



NEW

Extruded cladding and multi-point locking mechanism



Aluminum Cladding Colors

(See pages 8-9)

Features and Options



Extruded aluminum cladding



Retractable handle and hardware colors: white, coppertone, brushed chrome, oil rubbed bronze, bright brass or antique brass



Dual arm operator with E-Gard coating



Structural assembly allows more daylight into your home



Awning

Bonneville's awning windows are perfect for ventilation. Hinged at the top of the sash and opening bottom out, you can let fresh air into your house – come rain or shine.

The possibilities are endless.

Awnings are incredibly versatile, blending beautifully with casements or fixed windows. Work with your dealer to use them to your advantage.

The look of a double hung, the efficiency of a casement.

Here's one great example of the true versatility of our products. Use a double-stacked awning window, and from the outside, you will get the look of a double hung. On the inside, you get the energy-efficiency of our great casements and the ventilation advantages of an awning.



Aluminum Cladding Colors

(See pages 8-9)

NEW

Extruded cladding and multi-point locking mechanism



Extruded aluminum cladding



Retractable handle and hardware colors: white, coppertone, brushed chrome, oil rubbed bronze, bright brass or antique brass



Smooth double arm operator



Structural assembly



Double Hung PLATINUM SERIES

When size matters.

With a maximum size of over 44 square feet (4 m²) of double hung, we can meet your large project needs whether you are building your dream home or retrofitting a heritage site and need authentic double hungs for traditional styling.

The options are big, too.

Thirty-six standard sizes are offered, and of course, just about any custom size imaginable. Bonneville's Platinum double hung is available in Eastern white pine, Western red cedar or clear vertical grain Douglas fir. Our full range of hung window options are also available in ten standard colors of extruded aluminum cladding, with true or simulated divided lites, or with an architectural shape.

More precious than gold.

Like our Gold Series, both sashes on our Platinum double hung tilt inward for easy cleaning. With the Platinum Series, heavy-duty cam pivots are used for added strength and stability. Extra-rugged compression tracks and four spring-balanced pulley systems allow this super-sized double-hung window to operate smoothly.



Aluminum Cladding Colors

(See pages 8-9)

Features and Options



Extra-rugged compression tracks and security plate for heavy wind



Handle and hardware colors: white, copper/brass



Lock system





Single and Double Hung GOLD SERIES

Worth its weight in gold.

Bonneville's premier hung window is the Gold Series. The Gold Series is made from solid 1 1/4" (32 mm) stock frames that are cross-nailed. The 1 3/4" (44 mm) parts of the sashes are assembled with pegs soaked in a high grade adhesive, thus dissimulating any trace of apparent nails. These windows were developed for the Canadian climate and leave the competition in the cold.

Standard or custom. We'll meet your needs.

In addition to the standard sizes and options, Bonneville's Gold Series is available in just about any custom size you want and also comes in Eastern white pine, Western red cedar or clear vertical grain Douglas fir. Be creative: a Bonneville hung can be combined with architectural shape models to achieve your own interesting and unique window options.

Shines like gold.

Our Gold Series is easy to care for. Sashes tilt in for easy cleaning. The Gold Series sashes operate smoothly, using a spring-balanced pulley system. And, of course, the series is also available with extruded aluminum cladding in a choice of ten standard colors.



Aluminum Cladding Colors

(See pages 8-9)

Features and Options



Both single- and double-hung models feature a 4 9/16" (116 mm) frame



A folding nail fin makes for easy handling



Handle and hardware colors: white, coppertone, oil rubbed bronze, bright brass, antique brass or brushed chrome



A new combination lock and tilt latch system



A non-compression concealed jamb liner, enhances the beauty of the wood.





Double Hung BRONZE SERIES

The bronze lining.

Bonneville created its Bronze Series of double-hung windows with the help of New England craftsmen. It was crafted to match the beautiful traditional double-hung windows found all over the northeastern United States. So whether you want to recreate the classic look in your new construction or replace your old windows with new, energy efficient ones, a Bonneville's Bronze Series window is ideal.

Built Traditionally.

This double-hung window follows traditional sash configurations. Two inches (51 mm) top rail and 2 3/4" (70 mm) bottom rails blend beautifully with 1 3/8" (35 mm) thick sash stiles and meeting rails, all assembled with superior Bonneville crafted double mortise and tenon joints, and are available in Eastern white pine. The Bronze Series is simply beautiful with either a 3 1/2" (89 mm) flat casing or standard 908 brickmould. And it can be dressed up with our extruded cladding on the frame and rolled-form cladding on the sash, available in 4 standard colors and 21 optional colors.

Modern functioning.

Both sashes on Bonneville's Bronze Series hung windows pivot towards the interior for easy cleaning. Our rugged block and tackle-balance system ensure you will be enjoying your window for years to come. With our labor-saving nail fin, the Bronze Series double hung is a trouble-free window that is easy to install.

Standard Colors: white, nutmeg, sandalwood and Bonneville green

Optional colors also available



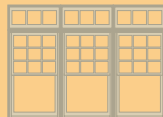
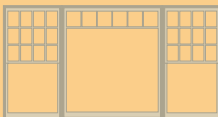
Features and Options



Easy to open



Folding nail fin with extruded aluminum cladding



Sash Replacement Kit

Replace the window. Save the mouldings and woodwork.

In many cases, the original millwork is nothing short of art and you don't want to lose that.

Beautiful mouldings and woodwork can be kept, while older, less energy-efficient or sticky sashes can be replaced. Bonneville has developed a simple sash replacement kit, built to any custom size to fit your original frames. You can save time, money, and most importantly, the lovely, original craftsmanship.

Easy installation.

A step-by-step installation guide is supplied for easy replacement in each sash replacement kit.

A brand new window.

Easy to install, Bonneville's sash replacement kit has all the advantages of our Bronze Series double hung. Both sashes tilt for easy cleaning, an airtight multi-layered weatherstrip system keeps the cold air out. Milled to perfection and assembled with double-mortise and tenon joints, our sash replacement kit gives you, for all practical purposes, a brand new window.

A custom kit.

The customization is not limited to size, the sash replacement kit can meet your specific needs with a selection from our four standard colors of aluminum cladding, different glazing options, or simulated divided lites to add a historical elegance to your window.

Standard Colors: white, nutmeg, sandalwood and Bonneville green
Optional colors also available

Features and Options



Easy to open



Sash double-mortise and tenon joint





Wood Sash Slider 100T

Open and light.

Our wood sash slider is a simple window to blend beautifully with the inside of your home. They allow light in and unobstructed, open views out. Manufactured in Eastern white pine, these sliding windows are a perfect choice when you are looking for a functional, economical window that is aesthetically pleasing.

Easy to operate.

Bonneville has developed a super smooth tracking system with stainless steel wheels on the bottom of both sashes. This means our wood sash slider glides open or shut with the light touch of your fingertips. The use of stainless steel means no rust. And, of course, you can ventilate with either sash. These are available in a choice of 4 standard colors. Hardware available in brass, coppertone or white.

Built for efficient maintenance and security.

Our wood sash slider is equipped with a foam-compressed head track. This allows you to easily remove both sashes for hassle-free cleaning. And as with all of our products, security is paramount. Each slider has a sturdy center sash lock that can only be opened from the interior.



Standard Colors: white, nutmeg, sandalwood and Bonneville green

Optional colors also available

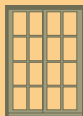
Features and Options



Stainless steel wheels on the bottom of both sashes



Wood frame and sashes extruded aluminum cladding available





Architectural

Individually crafted.

Every single one of our architectural-shaped products is handcrafted by an individual woodworker. These craftsmen are true artisans and take pride in their skill. In addition to carefully producing your new window, ensuring quality and precision, they will also take care of mulling your architectural window to any other Bonneville window product you choose.

Geometric Shapes

The line you are looking for.

Geometric windows are a series of straight lines assembled together to form striking angles that are pleasing to the eye. Classic shapes include octagons, hexagons, pentagons, rectangles, and triangles. More modern lines are also possible from trapezoids to divergent lines. Again, if it's structurally sound, we can and will build it for you.

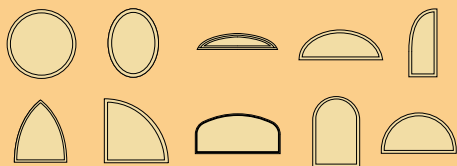


Aluminum Cladding Colors

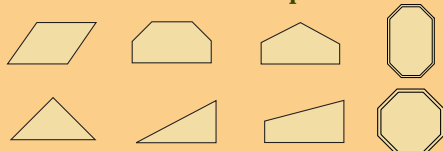
(See pages 8-9)



Choice of Architectural Shapes



Choice of Geometric Shapes



Custom shapes also available





Bay and Bow CASEMENT/HUNG

A Bonneville Bay or Bow window will add elegance and beauty to any room in your home. Our Bay windows are available with standard 30 or 45 degree angles, and we can meet your special needs by custom building the angle required. Our Bow windows are available in standard sizes up to 12 feet (3,6 m) wide or we can custom build to your individual specifications.

Flexibility in style and options.

With Eastern white pine, Western red cedar or clear vertical grain Douglas fir, you can choose any style for your Bay window: casements, awnings or double hungs. And you can add any of our wide array of options offered from extruded aluminum cladding, true or simulated divided lites, to exterior removable grilles or glazing options.

Measured to fit.

Bonneville will custom size any Bay or Bow to fit a special opening, either existing or new. We can supply a template of your window for new construction to make the installation a simple process. And all of the corner connections in a Bonneville Bay or Bow window are insulated against the cold to ensure heat loss reduction and energy efficiency. To finish the job properly, we offer five different types of head and seats: pine, cedar, clear vertical grain Douglas fir, white laminated and Extira plywood, plus an optional cable installation.



Aluminum Cladding Colors

(See pages 8-9)

Features and Options



We offer five different types of head and seats: pine, Douglas fir, cedar, Extira plywood or white laminated



Bay and bow windows cable support system





Gliding Patio Door

B-50

Beautiful framing.

Breathtaking views deserve beautiful frames. From inside your home, a Bonneville gliding patio door will allow you to enjoy outside views without any obstructions. And our patio door encased in slim profiled Eastern white pine, Western red cedar or clear vertical grain Douglas fir will add grace to the exterior of your home. You can choose one of 25 colors (10 standard and 15 optional) or let the natural beauty of the wood shine through.

Efficient and secure.

The Bonneville Gliding Patio door operates smoothly on adjustable ball-bearing tandem rollers. The tempered insulated glass and weatherstrip system make this door energy efficient keeping the cold weather out or cool air in. Our standard patio door comes with an Elite C brass finish. Optional finishes such as brushed chrome, antique brass and oil rubbed bronze are also available. These strong handles are equipped with a secure locking mechanism to offer peace of mind.



Aluminum Cladding Colors

(See pages 8-9)

Features and Options



B-50



B-50 PLUS



Choice of hardware finishes: brass, antique brass, oil rubbed bronze and brushed chrome



Optional foot lock system provides an extra measure of security and can also lock the operating panel in a partially open position

French Doors

FR-50 / FR-60 / FR-61

A classic French beauty.

Our French door has a style and elegance that will add beauty to any room. It is available in Eastern white pine, Western red cedar or clear vertical grain Douglas fir. It is built with 1 1/4" (32 mm) thick stock frames, which are available in depths of 4 9/16" (116 mm), 6 9/16" (167 mm), 7 3/16" (183 mm) and 9 3/16" (233 mm). The dry-sealed glazed tempered insulated glass finishes the job to perfection. And, it is available with true or simulated divided lites or internal grilles for a more historical look.

La Crème de la Crème.

All our French doors come with a color choice of four different handles which include a multi-point locking mechanism, consisting of two latches and a dead-bolt lock to ensure security. A two-way hinge system allows you to adjust the door panels horizontally and vertically, so as your house settles, you will be able to fit your doors accordingly and operate the doors easily and smoothly. You may clad your new French door in ten standard colors or leave it natural.

Energy efficient.

The Bonneville French door has rugged compression weatherstrips and a sophisticated door sweep system to keep the cold air out. The door sill is capped with heavy-duty extruded aluminum making this a strong, quality threshold.

Aluminum Cladding Colors

(See pages 8-9)

Features and Options



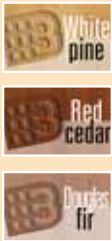
Choice of hardware finishes: brass, antique brass, oil rubbed bronze and brushed chrome



Adjustable ball bearing hinges (standard)



FR-50



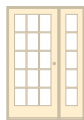
FR-61



FR-60



FRENCH DOORS



Natural and Aluminum Clad

Standard:

- Tempered insulated glass (I.G.)
- Thermal Edge spacer bar
- Frame depth: 4 9/16" (116 mm), 6 9/16" (167 mm), 7 3/16" (183 mm) and 9 3/16" (233 mm)
- Frame: solid wood, preservative treated
- Sill: treated finger jointed wood, clad with extruded aluminum fitted with a PVC thermal break
- Single sliding screen

- Door panel: laminated, finger jointed treated wood overlay with veneer, preservative treated
- Hardware: multi-point locking system tripac, brass finish
- Adjustable hinges
- Two flush bolts on astragal

Options:

- Choice of three different species of wood: Eastern white pine, Western red cedar or clear Douglas fir
- Interior finish: treated natural wood or latex primed
- Exterior finish: treated natural wood, latex primed or aluminum clad
- Available height: 95 1/2" (2426 mm)
- Choice of 10 aluminum cladding colors
- Exterior moulding in natural wood or extruded aluminum
- Flat casing 3 1/2" (89 mm) or 5 1/2" (140 mm) in natural wood or extruded aluminum
- Exterior flush moulding in extruded aluminum with nailing fin
- Double hinged screen
- Sill extension

- Interior jamb extension: available factory installed or not
- Outswing (safety hinges)
- Single door WD-50 + sidelite SL-50
- Dummy handle (brass, antique brass, oil rubbed bronze and brushed chrome)
- Multi-point lock (brass, antique brass, oil rubbed bronze and brushed chrome)
- Hinges (brass, antique brass, oil rubbed bronze and brushed chrome)
- Wide bottom rails (FR-50 Plus)
- Bronze anodized sill available

Grilles Options:

- Georgian removable (natural wood)
- True divided lite (natural wood or clad)
- Simulated divided lite (natural wood or clad, with or without spacer bar)
- Between glass: GBG (white aluminum georgian)
- Others available on request

Glazing Options:

- LOW-E with Argon gas
- Obscure (frosted)
- Others available on request (bronze or grey glass)

Customize your door:

- Shapes available
- Transom available

Outstanding Performance

Bonneville, a tradition of reliability.

Reliability takes on all its meaning when it comes to Bonneville Windows and Doors. We go out of our way to offer you the best. Bonneville products are tested by independent laboratories that are AAMA/NWWDA certified, and bear the seal of quality that guarantees high performance.



The NFRC Rating, recognized certification.

The National Fenestration Rating Council (NFRC) was formed to establish a uniform method for calculating and testing the thermal performance of windows and doors. Bonneville Windows and Doors has earned NFRC quality certification. The NFRC label now appears on all products, attesting to Bonneville's consistent drive to uphold a reputation of quality that can be backed by such a widely-recognized certification.

CSA A440 The Canadian A440 Standard - for maximum quality.

Windows meeting A440 standards are accredited by the Canadian Center for Construction Materials (CCCM) and/or the Canadian Windows and Doors Manufacturers Association (CWDMA), of which Bonneville Windows and Doors is a member. All Bonneville products are submitted to a series of tests executed by independent laboratories.



The AAMA/NWWDA 101/1.S.2-97 standard, a guarantee of performance.

The American Architectural Manufacturers Association (AAMA) and the National Wood Window and Door Association (NWWDA) are two national organizations recognized for setting the performance standards of windows and doors. Manufacturers join their programs voluntarily to ensure that their products meet stringent standards of quality. To attain this recognized certification, Bonneville products must meet strict requirements of structural performance (wind pressure), air infiltration and water penetration.

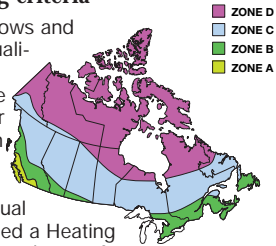


Energy Star

The international ENERGY STAR symbol is a simple way for consumers to identify products that are among the most energy-efficient on the market. Windows and sliding glass doors are now being added to the growing list of products in Canada, USA or others countries that can qualify for the ENERGY STAR international symbol for energy efficiency. Energy-efficient windows and sliding glass doors will save you money by reducing your energy costs. Not only that, they'll help keep your home comfortable all year-round. They reduce outside noise, and, depending on the amount of humidity in your home, will have a lot less condensation in cold weather.

Energy Star qualifying criteria

For ENERGY STAR, windows and sliding glass doors are qualified for their energy efficiency by either a U-value OR Energy Rating (ER) for each of the four Canadian zones. The four climate zones in Canada are based on an average annual temperature indicator called a Heating Degree Day that is the annual sum of the degrees of the average daily temperature for all days below 18°C. The number of zones and their boundaries simply and logically group Canadian cities and regions together to ensure that the colder areas of Canada require the more energy efficient windows and sliding glass doors. Zone A is the mildest region in Canada and Zone D is the coldest region.



For the best energy saving and comfort!

High energy efficient spacer bar (standard)

All Bonneville doors are equipped with a high energy efficient spacer bar. Made of reinforced thermoplastic materials, with an innovative and aesthetic design, the spacer bar is 25 times less conductive than an aluminum spacer. Therefore, the transmission of cold between the two panels of glass is considerably reduced.

An added value

LOW-E glass with Argon gas (optional)

LOW-E glass is covered with a microscopic transparent film. The sealed units are then filled with Argon gas which significantly reduces heat loss.

During the winter, the LOW-E glass is two and a half times more efficient than regular transparent glazing in reducing interior heat loss.

During the summer, its reflective filters block heat generated by solar energy, keeping your home comfortable.

For more information about the energy efficient spacer bar, ask your Bonneville Window and Door specialist.

Performance Data

Energy Data CANADA

CAN/CSA A440

ENERGY DATA

Report	Size** (mm)	Overall Performance	DP Rating	Air infiltration (m³/hr @ 75psf)	Optional performance Water resistance	Structural change	Clear glass/Thermal Edge spacer U-Factor	R-Factor	LOW-E with Argon gas Thermal Edge spacer U-Factor	R-Factor	LOW-E with Argon gas Thermal Edge spacer U-Factor	R-Factor
SLIDER	63 X 39.38 (1000 X 1000)	A1-0290-A	DP30	0.106±1.57psf-80	DP30	DP30	0.48	2.08	0.33	3.03	0.34	2.94
	77 X 42.63 (1000 X 1600)	A1-0275-A	DP35	0.096±1.57psf-80	DP35	DP35	0.49	2.04	0.34	2.94	0.35	2.86
CASEMENT	40 X 40 (1000 X 1000)	A1-0286-A	DP85	0.026±1.57psf-80	DP100	DP85	-	-	-	-	-	-
	50 X 84 (1200 X 2134)	A1-0314-B1	DP90	0.026±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03
HUNG PLATINUM SERIES	51 X 113 (1268 X 2898)	A1-0314-A	DP90	0.206±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03
	56 X 114 X 113 (1429 X 2878)	A1-0314-A	DP95	0.188±1.57psf-80	DP95	DP95	0.46	2.17	0.32	3.13	0.33	3.03
HUNG GOLD SERIES (2005)	78 X 79 (1981 X 1981)	A1-0264-A1	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03
	99 X 88 X 63 (1000 X 1600)	A1-00958-A	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.17	0.32	3.13	0.33	3.03
HUNG BRONZE SERIES	78 X 79 (1981 X 1981)	A1-00958-A	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03
	79 X 79 (2000 X 2000)	A1-00746-A	DP95	0.078±1.57psf-80	DP95	DP95	0.44	2.27	0.32	3.13	0.34	2.94
ARCHITECTURAL	73 X 82.12 (1864 X 2093)	A1-07506-A	DP90	0.216±1.57psf-80	DP95	DP95	0.46	2.17	0.30	3.13	0.33	3.03
	70 X 36 X 82.12 (1789 X 2093)	A1-01624-A	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94
PATIO DOOR B-50	48 X 32 (1200 X 800)	A1-0286-B	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03
	48 X 32 (1200 X 800)	A1-0286-B	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03
HUNG PLATINUM SERIES	50 X 84 (1200 X 2134)	ETC-98-1784996-0	DP90	0.206±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03
	56 X 114 X 113 (1429 X 2878)	ETC-98-1784996-0	DP95	0.188±1.57psf-80	DP95	DP95	0.46	2.17	0.32	3.13	0.33	3.03
HUNG PLATINUM SERIES	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.17	0.32	3.13	0.33	3.03
HUNG GOLD SERIES (2005)	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03
HUNG BRONZE SERIES	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03
ARCHITECTURAL	78 X 79 (1981 X 1981)	ETC-99-17848199-0	DP90	0.216±1.57psf-80	DP95	DP95	0.46	2.17	0.30	3.13	0.33	3.03
	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94
PATIO DOOR B-50	48 X 32 (1200 X 800)	ETC-99-17848199-0	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03
	48 X 32 (1200 X 800)	ETC-99-17848199-0	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03
FRENCH DOOR FR-50	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94
	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94

All windows and doors in this document are listed in our performance chart. Each American test is coded and falls into one of four categories: Product Type, Performance Class, Performance Grade and Maximum Size Tested.

For more information, contact our quote department.

U-Factor = Bulk-R-f R-Value = 1/U-Value

DEFINITION: A: Air tightness (A1 to A3); B: Water tightness (B1 to B7); C: Wind load resistance and blow-out (C1 to C5); F: Break and entry resistance (F1 to F7); * Lowest number equals minimum rating. Highest number equals maximum rating.

Energy Data U.S.A.

AAMA/NWDA 1011/S.2-97

NFRC

NFRC SHGC AND VT

Report	Size** (mm)	Overall Performance	DP Rating	Air infiltration (m³/hr @ 75psf)	Optional performance Water resistance	Structural change	Clear glass/Thermal Edge spacer U-Factor	R-Factor	LOW-E with Argon gas Thermal Edge spacer U-Factor	R-Factor	LOW-E with Argon gas Thermal Edge spacer U-Factor	R-Factor	SHGC	VT
SLIDER	63 X 39.38 (1000 X 1000)	A1-0290-A	DP30	0.106±1.57psf-80	DP30	DP30	0.48	2.08	0.33	3.03	0.34	2.94	0.40	0.50
	77 X 42.63 (1000 X 1600)	A1-0275-A	DP35	0.096±1.57psf-80	DP35	DP35	0.49	2.04	0.34	2.94	0.35	2.86	0.40	0.50
CASEMENT	40 X 40 (1000 X 1000)	A1-0286-A	DP85	0.026±1.57psf-80	DP100	DP85	-	-	-	-	-	-	-	-
	50 X 84 (1200 X 2134)	A1-0314-B1	DP90	0.026±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
HUNG PLATINUM SERIES	51 X 113 (1268 X 2898)	A1-0314-A	DP90	0.206±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
	56 X 114 X 113 (1429 X 2878)	A1-0314-A	DP95	0.188±1.57psf-80	DP95	DP95	0.46	2.17	0.32	3.13	0.33	3.03	0.54	0.55
HUNG GOLD SERIES (2005)	78 X 79 (1981 X 1981)	A1-0264-A1	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.56
	99 X 88 X 63 (1000 X 1600)	A1-00958-A	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.17	0.32	3.13	0.33	3.03	0.54	0.56
HUNG BRONZE SERIES	78 X 79 (1981 X 1981)	A1-00958-A	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03	0.54	0.56
	79 X 79 (2000 X 2000)	A1-00746-A	DP95	0.078±1.57psf-80	DP95	DP95	0.44	2.27	0.32	3.13	0.34	2.94	0.47	0.49
ARCHITECTURAL	73 X 82.12 (1864 X 2093)	A1-07506-A	DP90	0.216±1.57psf-80	DP95	DP95	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
	70 X 36 X 82.12 (1789 X 2093)	A1-01624-A	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94	0.47	0.49
PATIO DOOR B-50	48 X 32 (1200 X 800)	A1-0286-B	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
	48 X 32 (1200 X 800)	A1-0286-B	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
HUNG PLATINUM SERIES	50 X 84 (1200 X 2134)	ETC-98-1784996-0	DP90	0.206±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
	56 X 114 X 113 (1429 X 2878)	ETC-98-1784996-0	DP95	0.188±1.57psf-80	DP95	DP95	0.46	2.17	0.32	3.13	0.33	3.03	0.54	0.55
HUNG PLATINUM SERIES	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.56
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP95	0.078±1.57psf-80	DP95	DP95	0.45	2.17	0.32	3.13	0.33	3.03	0.54	0.56
HUNG GOLD SERIES (2005)	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
HUNG BRONZE SERIES	78 X 79 (1981 X 1981)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
	99 X 88 X 63 (1000 X 1600)	ETC-98-1784996-0	DP90	0.078±1.57psf-80	DP90	DP90	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
ARCHITECTURAL	78 X 79 (1981 X 1981)	ETC-99-17848199-0	DP90	0.216±1.57psf-80	DP95	DP95	0.46	2.17	0.30	3.13	0.33	3.03	0.59	0.62
	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94	0.47	0.49
PATIO DOOR B-50	48 X 32 (1200 X 800)	ETC-99-17848199-0	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
	48 X 32 (1200 X 800)	ETC-99-17848199-0	DP85	0.026±1.57psf-80	DP85	DP85	0.45	2.22	0.31	3.23	0.33	3.03	0.54	0.55
FRENCH DOOR FR-50	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94	0.47	0.49
	70 X 36 X 82.12 (1789 X 2093)	ETC-99-17848199-0	DP20	0.164±1.57psf-80	DP20	DP20	0.46	2.17	0.32	3.13	0.34	2.94	0.47	0.49

U-Factor = Bulk-R-f R-Value = 1/U-Value ** Size tested



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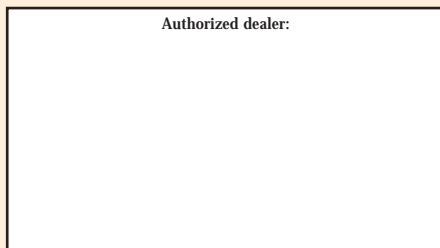
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