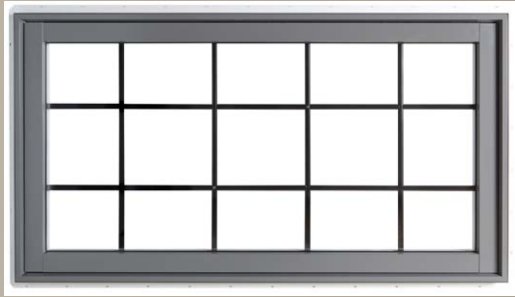


# Design Architectural Series **Windows & Patio Doors**



# Aluminum Clad Vinyl **Windows.**



## Awning

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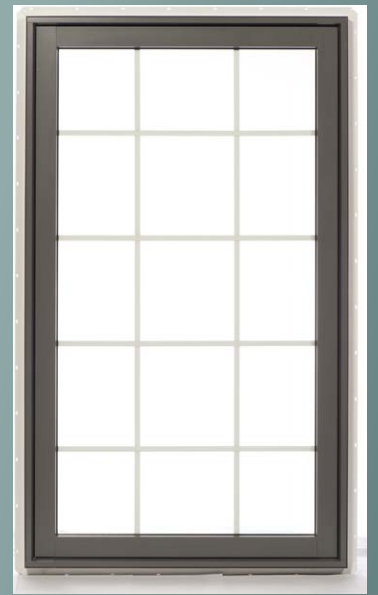
Awning windows are hinged at the top and open outward. Placed high on a wall, they provide light and ventilation while maintaining privacy. Placed below larger fixed windows, they provide ventilation and deflect light rain.



## Casement

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Casements are hinged on one side and crank open to catch the breeze. They have a contemporary look and are a popular choice over kitchen counters.



## Fixed Sash

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Fixed sash windows are non-operational window but offer identical sightlines to casement or awning window to provide a more balanced appearance.

## Direct Set

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Direct set windows are non-operation windows with a slimmer appearance that maximizes visible light.







# Design Architectural Series Window



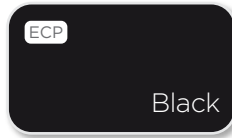
The Design Architectural Series window is an innovative aluminum clad window system perfectly suited for today's modern style homes and commercial buildings.

# Design Architectural Series

ALUMINUM-CLAD WINDOWS



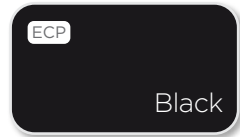
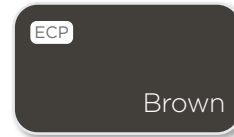
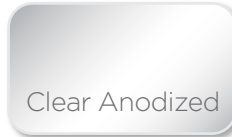
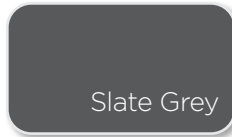
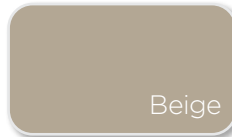
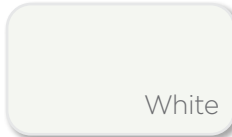
## Interior Frame Colour



### ECP ENHANCED COLOUR PROTECTION

An innovative Kynar® coating helps protect our darker colours from fading and chalking. Colours are reproduced as accurately as printer technology allows.

## Exterior Frame Colours



## Contemporary Hardware

Proprietary hardware available in 2 colours



## Standard Features

### ► Fully extruded aluminum

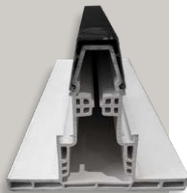
Fully extruded aluminum components provide long lasting strength and beauty.

### ► Energy efficiency

Vinyl Performance Core provides superior energy efficiency over traditional thermally broken products.

### ► Mbar Addition

Our Design Architectural Series Casement and Direct Set windows are made with a vinyl Mullion Bar, "MBar" profile. This design creates a stronger window with common-frame configuration and structural ratings only seen in steel-reinforced factory mulling.



## Balanced views

Design Architectural Series windows have balanced sight lines. It simply means the sashes on casement and picture combinations are balanced. Equal lite options are also available with fixed combinations.



Stile and rail design for a bold and modern look.



Design Architectural windows are available with your choice of flush interior frame or with built in drywall return receptacle.





# Design Architectural Series

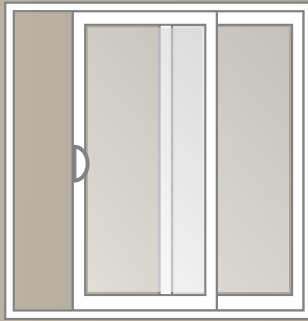
## Patio Door



The Design Architectural Series patio door is an innovative aluminum clad window system perfectly suited for today's modern style homes and commercial buildings.

## 2-Wide

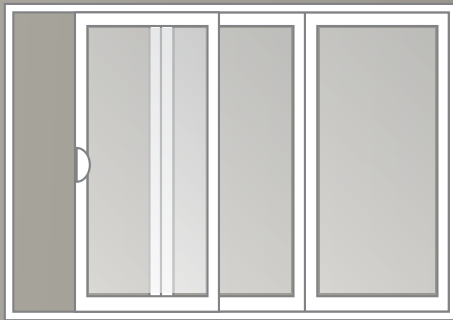
Either panel can be active



Nominal Size	Width (mm)	Height (mm)	Width (in)	Height (in)
5068	1505	2014	59¼	79¾
50610	1505	2074	59¼	81¾
5080	1505	2394	59¼	94¼
6068	1810	2014	71¼	79¾
60610	1810	2074	71¼	81¾
6080	1810	2394	71¼	94¼
8068	2425	2014	95½	79¾
80610	2425	2074	95½	81¾
8080	2425	2394	95½	94¼

## 3-Wide

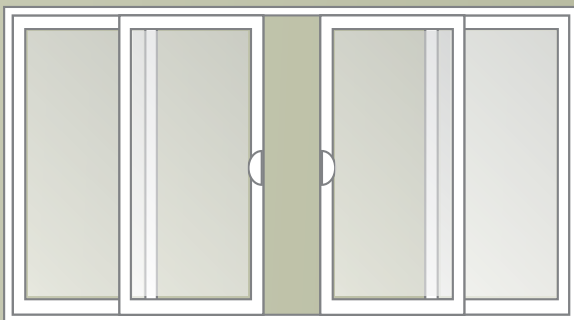
Active outside panel (either left or right)



Nominal Size	Width (mm)	Height (mm)	Width (in)	Height (in)
7668	2169	2014	85¾	79¾
76610	2169	2074	85¾	81¾
7680	2169	2394	85¾	94¼
9068	2627	2014	103¾	79¾
90610	2627	2074	103¾	81¾
9080	2627	2394	103¾	94¼
12068	3549	2014	139¾	79¾
120610	3549	2074	139¾	81¾
12080	3549	2394	139¾	94¼

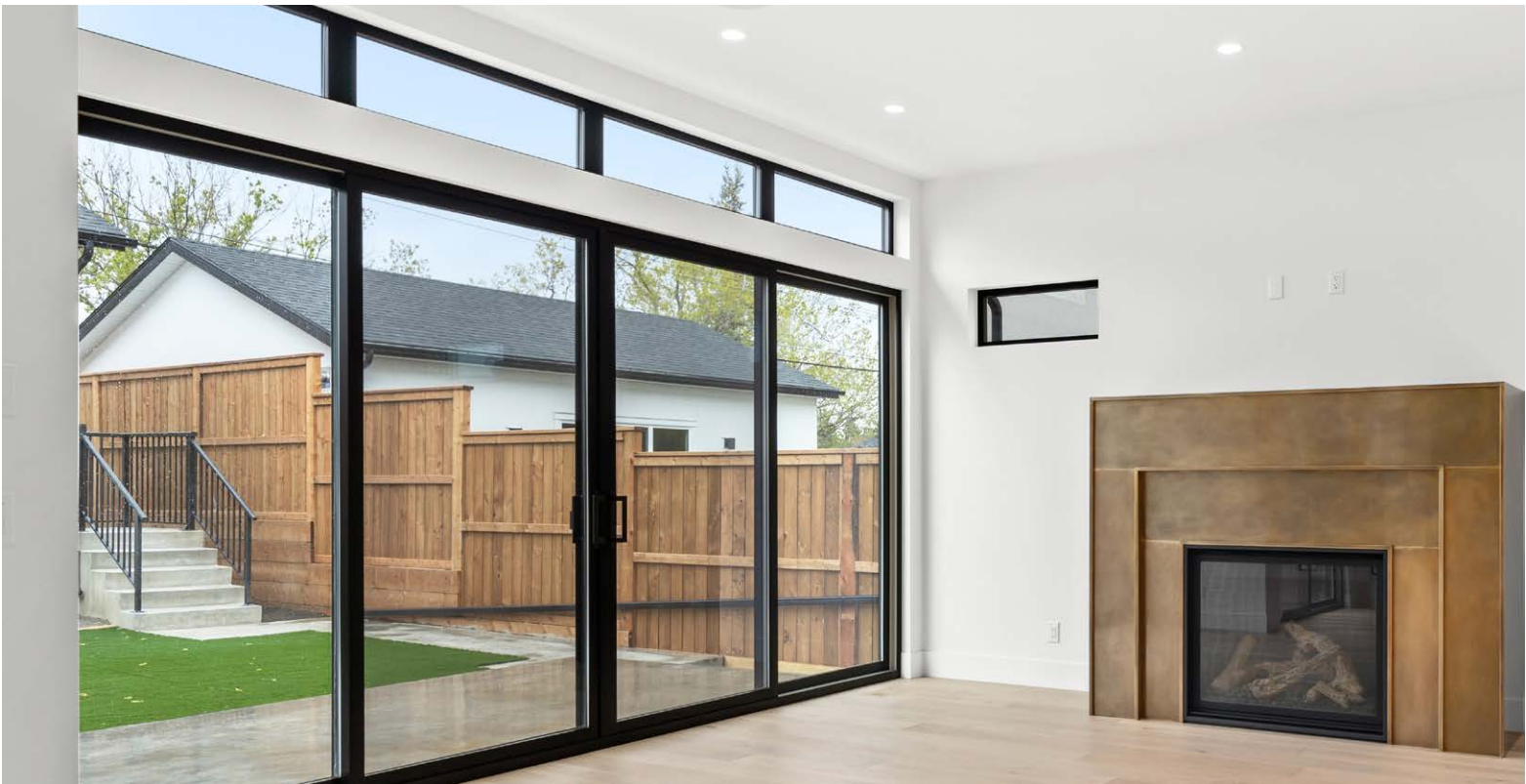
## 4-Wide

Both centre panels are active



Nominal Size	Width (mm)	Height (mm)	Width (in)	Height (in)
10068	2926	2014	115¼	79¾
100610	2926	2074	115¼	81¾
10080	2926	2394	115¼	94¼
12068	3536	2014	139¼	79¾
120610	3536	2074	139¼	81¾
12080	3536	2394	139¼	94¼
160608	4766	2014	187¾	79¾
160610	4766	2074	187¾	81¾
16080	4766	2394	187¾	94¼



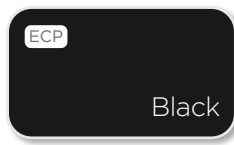
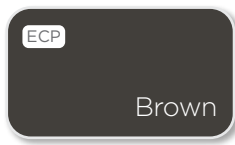


The Design Architectural Series patio door features fully extruded aluminum cladding to both the interior and exterior to provide a clean, modern look.



# Standard Features

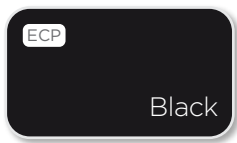
## Exterior Frame Colour



### ECP ENHANCED COLOUR PROTECTION

An innovative Kynar® coating helps protect our darker colours from fading and chalking. Colours are reproduced as accurately as printer technology allows.

## Interior Frame Colour



## Hardware Options



Sliding patio door hardware available in a variety of colours.



### ▶ Beautiful any way you look at it.

On the outside, durable aluminum cladding is available in an array of colours. On the inside, Black aluminum cladding provides the perfect look for today's modern homes.

### ▶ Sliding Effortlessly

Dual tandem wheels provide smooth operation, no matter what size of patio door.

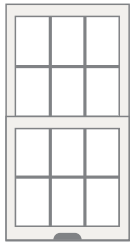
### ▶ Sturdy Construction

Multi-chamber, 100% PVC frame and sash with steel reinforcements ensure lasting beauty.

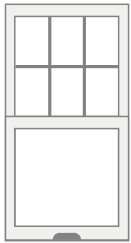
### ▶ Superior Strength

Steel reinforcement for strength and rigidity.

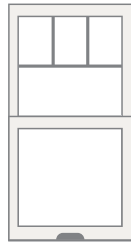
## Grille Patterns



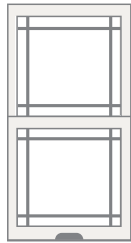
Colonial



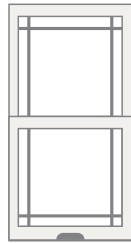
Craftsman



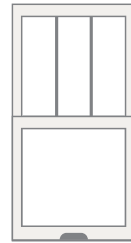
Ladder



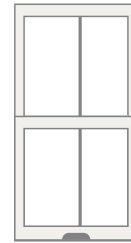
Prairie



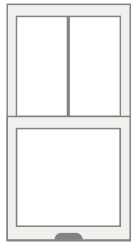
Perimeter  
Prairie



Three  
Over One



Two  
Over Two



Two  
Over One

## In-Glass Grilles

These are installed between the glass panes. You'll never have to clean them.



1" Flat



5/8" Flat



5/16" Flat

## Grille Colors

AVAILABLE SIZES	AVAILABLE COLOURS				
	White	Beige	Black	Brown	Grey
1" Flat Grille	•	•			
5/8" Flat Grille	•	•	•	•	•
5/16" Flat Grille	•	•	•		

## Simulated Divided Lites (SDL)

Exterior and interior colours are matched to your windows.



1" SDL



2" SDL

## Hardware

Casement and awning windows feature slim line contemporary hardware available in 2 colours.



Brushed Chrome



Black

Patio Door Handles for a clean, modern look.



Brushed  
Chrome



Black



# Glass & Glazing Options

## LoE Glass

What is LoE? Low emissivity (LoE) coatings are applied to glass surfaces to reduce the transfer of heat through the window. High solar gain LoE lets more of the sun's heat pass into a room. Low solar gain LoE blocks more of the sun's heat.

### ECO GAIN 180

#### High Solar Gain Glass

A great choice for our northern climate because it allows solar energy to pass through the glass to provide "free heat" in winter. LoE reflects heat back into the room, reducing home heating needs. Throughout the year, Eco Glass Gain 180 protects furnishings from fading and insulates against extreme temperatures.

### ECO SHIELD 270

#### Solar Control Glass

A good choice for variable climates. In summer, Eco Glass Shield 270 can reduce solar heat gain by 50% or more compared to ordinary glass. In winter, argon fill and LoE work together to maintain comfort and reduce energy needs. Throughout the year, Eco Glass Shield protects against fading without darkening your view.

### ECO MAX SHIELD 366

#### Ultimate Performance Glass

This "spectrally selective" glass provides the highest level of comfort, energy savings and fade protection. Instead of one or two layers, the glass is coated with three layers of silver to block summer heat and retain your home's heat in winter - with no room-darkening tints and virtually no exterior reflectance.

## Obscure Glass

Obscure textured glass ensures privacy while allowing sunlight to brighten a room. It's ideal for bathrooms.



Pinhead



Rain

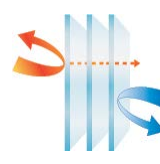


Satin Etch

## Glazing Options

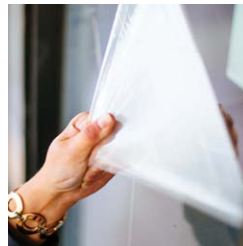


Double Glazed



Triple Glazed

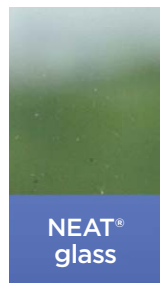
## Preserve™ Protective Film



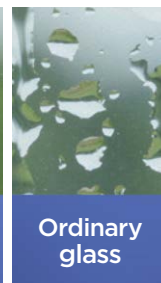
We help protect our windows and doors during transit and at the job site by applying a clear protective film on inner and outer glass surfaces. It eliminates masking and makes cleanup a snap. Simply peel it off to reveal spotless glass.



## NEAT® Glass



NEAT®  
glass



Ordinary  
glass

This special coating reacts with the sun's rays to loosen dirt so it rinses away when it rains. With NEAT®, your windows will stay cleaner longer and be easier to clean. Available with Eco Shield and Max Shield glass.





For more information  
visit [plygem.ca](http://plygem.ca)

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