

STAFF REPORT

CONCERNING APPLICATION FOR A CERTIFICATE OF APPROPRIATENESS

Date: May 9, 2018

Application Number: 2018-0430

Property Location: 608 Park Avenue

Architectural Style/Date/Architect or Builder: American Foursquare / 1910

Property Owner: Stu Harrison

Landmark or District Designation: Chapin Park Local (Ordinance #9574-05) and National Historic District

Rating: Contributing

DESCRIPTION OF STRUCTURE/SITE: 608 Park is a two story American foursquare set upon a brick foundation. The exterior walls of the house are wood shingles with a bell flare at the lower course. The low pitch hip roof has wide soffit overhang and molded cornice and is covered with asphalt shingles. There is a full width front porch with shed roof. The porch has square supports with capitals, wood shingle solid railing, brackets at the eaves and molded fascia. The windows a wood double hung 9/1 on the second and first floors; a fixed triple panel window at the front. Most of the windows on the first floor have original wood storms. There are aluminum storms on some of the second floor windows. There are 3/3 double hung at the basement level a fixed 6 light in the basement and several fixed 3 light in the foundation level.

ALTERATIONS: The storm door is not original to the house. The window shutters were added before 1987. The aluminum storm windows and the asphalt roof material are replacements. COA #2009-0109 allowed for the installation of a temporary handicap ramp on the front doorstep. COA #2017-0720 allowed for the replacement of rotted wood on the front porch and back porch. COA #2017-0829 allowed for the relaying of brick of the chimney, the columns, and the foundation. Multiple non-original windows exist, it is unknown when these were installed.

APPLICATION ITEMS: “10 windows main floor left side back of house two back right 2 casements on the left 2 double hung’s on the left one double hung on the back and three casements two double hung’s on the right.”

See attached documents.

DESCRIPTION OF PROPOSED PROJECT: Applicant seeks a Certificate of Appropriateness for the replacement of 10 windows (five double hung windows and five casement windows). Grid / divided light patterns in replacement windows will replicate the configuration of the original windows.

The contractor put forth two replacement options for consideration by the Historic Preservation Commission:

1. Andersen 400 Series
 - a. PVC exterior, wood interior
 - b. Muntins are aluminum exterior and wood interior.
2. Quaker Classic Fit Series
 - a. Aluminum exterior, wood interior
 - b. Muntins are aluminum exterior and wood interior.

Both window options have interior and exterior muntins. Per the contractor, the aluminum and wood Quaker Classic series of windows are less expensive than the PVC and wood Anderson windows.

SITE VISIT REPORT:

On April 30, 2018 I met with the owner of the property located at 608 Park. The owner applied to replace windows on the first level of the house. The windows have a nine over one double-hung and either nine or twelve-light fixed or casement style windows.

The double hung windows on the south side (right side when looking at front of house) are non-original replacement windows with false grids.

The front (west) window is a vinyl replacement three bay casement window that the owner would like to replace at a later date.

The rear (east) face has a three bay, nine light casement window unit. These are wood, but I do not believe to be original, as they have a veneer of wood finish that is peeling off.

The north side has a twelve-light original fixed window, two nine light original casement windows, and two original nine over one double hung windows with textured glass at the far end.

None of the windows appear to be deteriorated beyond repair. They all need work in order to be operable, although the secured-in-place exterior storms make that task difficult. The two nine light casements on the north face have had some remodeling done in between by way of a closed doorway and a removed staircase. Water damage from above has damaged some plaster and may have caused those windows to be out of square. The two textured windows toward the rear are painted and fastened shut. I believe the motivation behind the desire to change the windows is efficiency and ease of use. The distance between the property and the neighbors on both side make the sides of the house difficult to see from the street.

Steve Szaday
Preservation Inspector

STANDARDS AND GUIDELINES: CHAPIN PARK

General Definitions

(B) PRESERVATION GUIDELINES

(b2) Rehabilitation (ADOPTED)

Maintaining the existing character of the district, and whenever possible returning it to its original condition. Any rehabilitation would not require the removal of all non-original materials but would encourage the removal of all such materials which are incompatible with the defined elements of preservation for the district. **The design of new construction or alteration would not require the duplication of the original design and construction, but should be compatible with existing structures and the district's defined elements of preservation. The use of original materials or construction techniques would be encouraged, but contemporary methods and materials would be acceptable when compatible.**

II. EXISTING STRUCTURES

A. BUILDING MATERIALS

Original exterior building materials in the district include brick, stucco, clapboard, wood shingles, and brick or stone masonry. In some instances, vinyl, composite and aluminum siding have been applied over the original material.

Required

Original exterior building materials shall be retained when possible. Deterioration of wood materials shall be prevented through repair, cleaning and painting. The existing architectural detail around windows, porches, doors and eaves shall be retained or replaced by replicas of the same design when deteriorated beyond repair.

Masonry, including brick and stucco structures, shall be maintained, and properly cleaned only when necessary to halt deterioration or to remove stains and shall be done in a method acceptable for the preservation of the surface: i.e. low-pressure water and soft natural bristle brushes. Brick or masonry mortar joints should be repointed only when there is evidence of moisture problems, or when sufficient mortar is missing to allow water to stand in the mortar joint. Existing mortar shall be duplicated in composition, color, texture, joint size, method of application and joint profile.

When repairing stucco, stucco mixture shall be used. A professional shall make a study of the old stucco, to determine the exact mixture and underlayment used in the original work. Some repair methods are not compatible with the original techniques and may cause early disintegration of the repair work and the original work.

Ample ventilation must be afforded the structure when siding is installed, in order to prevent increased deterioration of the structure from moisture and insects.

Recommended

Whenever possible, the original building materials should be restored. When maintaining or repairing original siding is not feasible, aluminum, vinyl or composite siding may be used. When used over wood surfaces, this siding should be the same size and style as the original wood. Every effort should be made to retain the original trim around windows, doors, cornices gables, eaves and other architectural features.

Property owners should contact the Historic Preservation Commission of South Bend and St. Joseph County prior to initiating any restoration or rehabilitation effort. [Address and contact information is listed in the front of the Guidebook.] The Commission is an invaluable source of information about all facets of rehabilitation and restoration – materials, methods, contractors and the like.

Prohibited

Wood siding shall not be resurfaced with new materials that is inappropriate or was unavailable when the building was constructed, such as artificial stone, brick veneer, asbestos or asphalt shingles.

Sandblasting or the use of harsh detergents shall not be used on masonry including brick, stucco, limestone, flagstone and sandstone. This method of cleaning erodes the surface material and accelerates deterioration.

Repointing shall not be done with a mortar of high Portland cement content which can often create a bond that is stronger than the building material. Usage of Portland cement can cause deterioration as a result of the differing coefficient of expansion and porosity of the historic masonry unit and the mortar. This most often results in serious damage to adjacent brick.

Unpainted masonry surfaces shall not be painted unless they had been painted originally. Paint shall not be removed from masonry surfaces by any means that damage the surface.

Not Recommended

Waterproof or water repellent coatings or surface consolidation treatments should not be used on masonry surfaces unless required to solve a

specific problem that has been studied and identified. Coatings are frequently unnecessary and expensive, and can accelerate deterioration of the masonry. Mortar joints, which do not need repointing, should not be repointed. Wood siding should not be power-washed.

C. WINDOWS AND DOORS

Window and door frames are in most cases wood and vary depending upon the style of the home. Many are double-hung windows with wood trim and sills. Brick structures have stone sills and brick lintels. In some cases where aluminum siding has been applied, the window and door trim has been covered. About half of the structures in the district have aluminum storm windows; the other half have wood storm windows.

Required

Original windows and doors shall be retained including sashes, lintels, sills, shutters, decorative glass, pediments, hoods and hardware. When deteriorated beyond repair, they shall be replaced with units and trim resembling the original.

Recommended

Wood storm windows and doors painted or finished to match the original should be used but should not damage existing frames. If new sashes or doors are installed, the existing or original materials, design and hardware should be used. When metal storm doors are used, they should be painted, anodized or coated to match the existing. When awnings are used, they should be of canvas material.

STAFF RECOMMENDATION: Some of the windows that the applicant intends to replace are not original to the house, and staff would recommend removing and replacing those with a more appropriate and functional window model. The remaining original windows may be repairable, but this process is inconvenienced by the fixed-in-place metal storms on the exterior of the structure. Were 1) the windows to be determined to be deteriorated beyond repair, and 2) given the choice between the two provided window options; staff would recommend that the aluminum-clad exterior / wood interior Quaker Classic Fit windows be utilized for this installation.

Written by
Adam Toering
Historic Preservation Specialist
Approved by
Elicia Feasel
Historic Preservation Administrator

Site Visit – Photos



Figure 1 - 608 Park Avenue from the street, April 30, 2018



Figure 2 - 608 Park -- front casement window.



Figure 3 - 608 Park, north face.



Figure 4 - 608 Park, south face.



Figure 5 - 608 Park -- existing vinyl replacement window.



Figure 6 - 608 Park - existing casement with 'wood grain' applique.



Figure 7 - 608 Park - close-up of peeling applique.

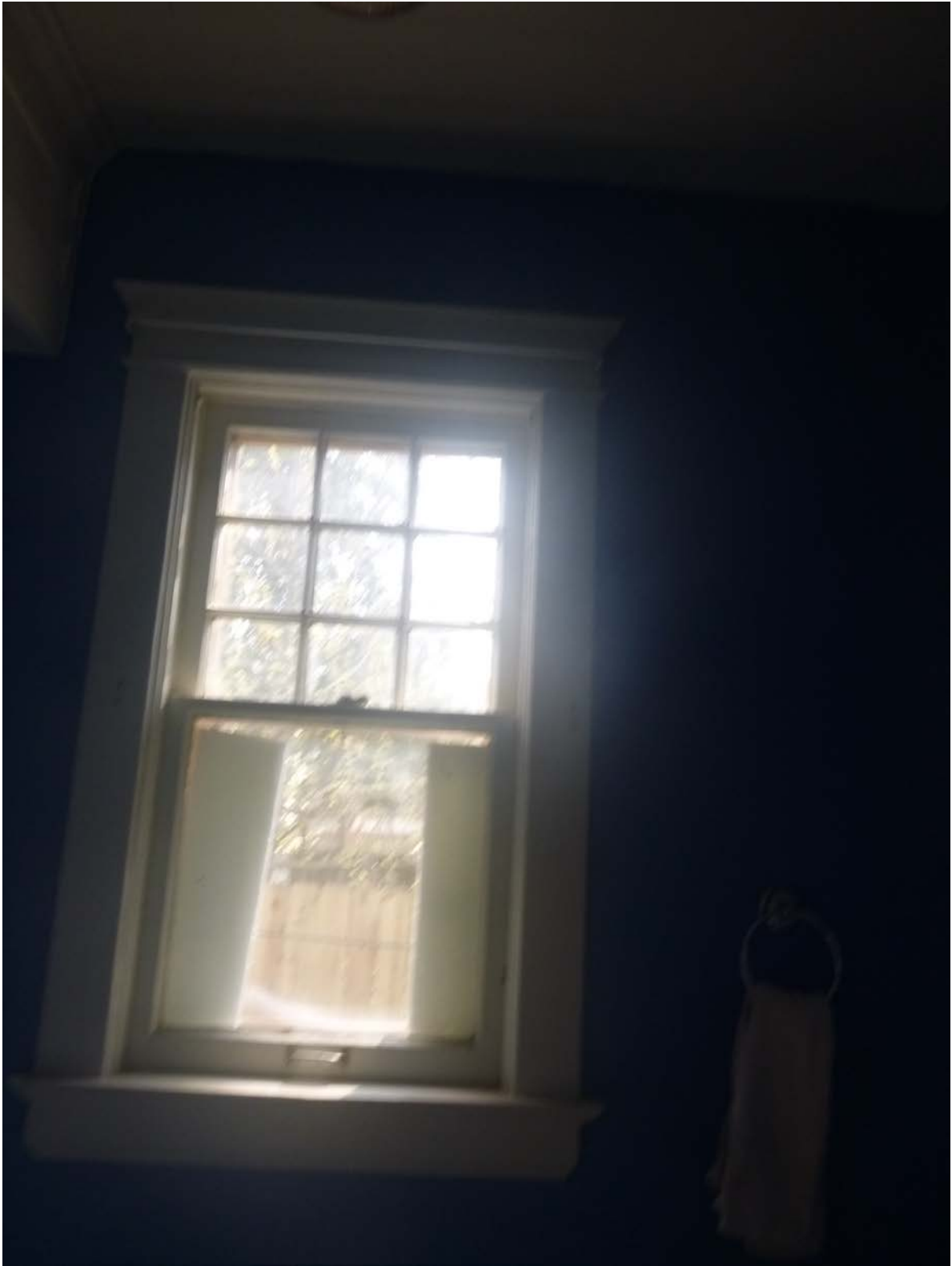


Figure 8 - 608 Park - existing/original 9/1 window.



Figure 9 - 608 Park - close-up of existing / original 9/1 window.



Figure 10 - 608 Park - existing / original 9/1 windows.



Figure 11 - 608 Park – north facing casement window.



Figure 12 - 608 Park - small casement window.



HISTORIC PRESERVATION COMMISSION OF SOUTH BEND AND ST. JOSEPH COUNTY

County—City Building, South Bend, IN 46601
http://www.southbendin.gov/government/department/community-investment
Phone: 574/235.9371 Fax: 574/235.9021
Email: hpcsbsjc@southbendin.gov

MA
Rec.No. 192963 \$20.00

Timothy S. Klusczynski, President

A Certified Local Government of the National Park Service

Elicia Feasel, Historic Preservation Administrator

APPLICATION FOR A — CERTIFICATE OF APPROPRIATENESS

OFFICE USE ONLY - DO NOT COMPLETE ANY ENTRIES CONTAINED IN THIS BOX - OFFICE USE ONLY
Date Received: 4/30/2018 Application Number: 2018 - 0430
Past Reviews: YES NO
Staff Approval authorized by: Title:
Historic Preservation Commission Review Date:
Local Landmark Local Historic District (Name) Chapin Park
National Landmark National Register District (Name) Chapin Park
Certificate Of Appropriateness: Denied Tabled Sent To Committee Approved and issued:

Address of Property for proposed work: 608 Park Ave South Bend IN
(Street Number—Street Name—City—Zip)

Name of Property Owner(s): Forester Harrison Phone #: 909-224-0171

Address of Property Owner(s): 608 Park Ave South Bend IN
(Street Number—Street Name—City—Zip)

Name of Contractor(s): Jonathan Rios Phone #: 574-425-7727

Contractor Company Name: Clayton Hoover & sons

Address of Contractor Company: 21047 morning dove Tr south Bend IN
(Street Number—Street Name—City—Zip)

Current Use of Building:
(Single Family—Multi-Family—Commercial—Government—Industrial—Vacant—etc.)

Type of Building Construction:
(Wood Frame—Brick—Stone—Steel—Concrete—Other)

Proposed Work: In-Kind Landscape New Replacement (not in-kind) Demolition
(more than one box may be checked)

Description of Proposed Work: windows 10 windows main floor left side back of house two back right 2 Casements on the left 2 double hung's on the left one double hung on the back and three casements two double hung's on the right

Owner e-mail: and/or Contractor e-mail: sostermann47@yahoo.com

X Signature of Owner and/or X Signature of Contractor

By signing this application I agree to abide by all local regulations related to project and to obtain a Building Department Permit, if applicable.

—APPLICATION REQUIREMENTS ARE LISTED ON REVERSE SIDE—

Anderson 400 Series Windows

- Material PVC exterior
- Wood interior
- Top sash has historical 9-pattern grid
- Divided lights
- Grids are aluminum exterior and wood interior
- Insulated windows

Quaker Classic Fit Series Windows

- Material aluminum exterior
- Wood interior
- Top sash has historical 9-pattern grid
- Divided lights
- Grids are aluminum exterior and wood interior
- Insulated windows

REPLACING YOUR OLD WOOD WINDOWS WITH
NEW WOOD WINDOWS IS NO LONGER OUT OF THE QUESTION.

ClassicFit SERIES *HistoricFit* SERIES

Wood Replacement Windows by



QUAKER
RESIDENTIAL WINDOWS & DOORS



Quaker's wood clad replacement windows, the Classic Fit™ Series & Historic Fit™ Series, are a triumphant blend of imaginative and diverse designs teamed with an absolute demand for energy-efficiency. Truly the perfect fit every time.

ClassicFit
SERIES
HistoricFit
SERIES



FEATURES & OPTIONS

Some options mentioned may incur an upcharge.
Not all options are listed or shown. Inquire with your Quaker dealer



If you require a wood replacement window with more attention to historic details, you'll want to choose our Historic Fit® Series. Slimmer sightlines and enlarged viewing areas allow the Historic Fit™ to give your project, large or small, the timeless look it deserves.

Aluminum clad exterior is nearly maintenance free and available in 37 quick-pick colors. Got a special color in mind? Get any color in the spectrum with our custom color capabilities.

Warm, natural interior is courtesy of radiata pine wood. Alder wood is optional. Ask about custom pre-finished interiors in any color. Also available: Primed interior.

Insulated glass with warm-edge spacer sustains a year-round energy-efficient barrier. Add one of our optional high-efficiency glazing packages to increase your window's overall effectiveness. For your home's private areas, ask for Obscure glass. Include Tempered Glass where additional safety is required.

Operation is simple and convenient with smooth operating cam locks and one-touch tilt latches

Tailor your windows with grids. Between-the-glass grids, Applied grids for a Simulated Divided look or Removable Wood grids are all available.

Our Better-View™ fiberglass mesh screen is as good as any on the market. Superior insect protection. Easy to remove. Excellent airflow. Great visibility.

For 65+ years, we've promised to stand behind our products with one of the best warranties in the industry. Consult your dealer for full warranty details.

U-Value: .25

R-Value: 4.00

Solar Heat Gain: 0.20

Values shown are for Double Hung model and were achieved with Quaker's optional EnergyMax glass package. Other optional glazing packages are available and results may vary. The addition of optional grids may alter results slightly. Consult with your dealer for more information on the glass package that best fits your home.

Get more information on *ClassicFit*™ and *HistoricFit*™ wood replacement windows from your authorized Quaker Window dealer:

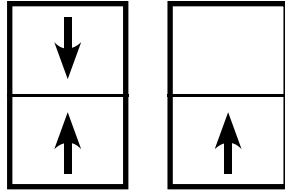


www.quakerwindows.com





QUAKER
COMMERCIAL WINDOWS AND DOORS



Classic Fit Series
R-50
4 3/4" Frame Depth
Double Hung/Single Hung

CLASSIC FIT SERIES DOUBLE HUNG/SINGLE HUNG

The Quaker Classic Fit Series Double Hung/Single Hung pocket window is ideal for a variety of replacement applications including - Energy Efficient, Apartments, Assisted Living, Schools and Housing Authority.

FEATURES

- ◇ **Commercial Framing System**
 - 4 3/4" main frame (overall)
 - 3 1/4" pocket depth
- ◇ **Enhanced Design**
 - Extruded clad exterior, pine interior
- ◇ **Glazing**
 - 3/4" insulated glass
- ◇ **Hardware**
 - Two block and tackle balancers and vinyl step jamb liners
 - Self-aligning cam-type locks
- ◇ **Screen**
 - Extruded aluminum screen frame with BetterVue™ mesh

OPTIONS

- ◇ **Available Configurations**
 - Double Hung
 - Single Hung
- ◇ **Muntin Choices**
 - Internal, wood removable or simulated divided lites available
- ◇ **Hardware**
 - Integral plough in every operable sash for lift-up or pull-down purposes
 - Lift assist hardware (top and/or bottom sash)
 - Limited travel hardware
 - Exterior jambliner cover
- ◇ **Screen**
 - Extruded aluminum screen frame with aluminum wire mesh
 - Extruded aluminum screen frame with sunscreen mesh
 - Extruded aluminum screen frame with stainless steel 0.009" thickness mesh
- ◇ **Glazing**
 - Capillary tubes
 - Argon gas
 - Wide variety of glazing, tinting and thickness options
- ◇ **Mulling**
 - Wide variety of structural mulls

BENEFITS

- ◇ The capacity to match exterior colors for unique project facades
- ◇ The ability to facilitate large sizes for taller and wider window openings

PERFORMANCE

- ◇ Structural & Thermal (test reports or thermal simulations available upon request)

Model	Double Hung/Single Hung
AAMA/WDMA/CSA 101/IS.2/A440-08 Rating	R-50
Structural Load P.S.F.	75.19
Air at 50 MPH (cfm/ft ²)	0.04
Water (No Penetration) P.S.F.	7.52
U-Value (with Low-E and Argon)	0.27-0.31
SHGC (with Low-E and Argon)	0.12-0.28

Window test size: 36" x 84"
Operating Force: 22 lbf (maintain motion), 3 lbf (locks)



Our products are tested to the standards of and certified by the American Architectural Manufacturer's Association, the National Fenestration Rating Council and the Window & Door Manufacturers Association.

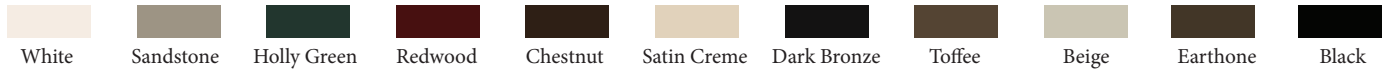


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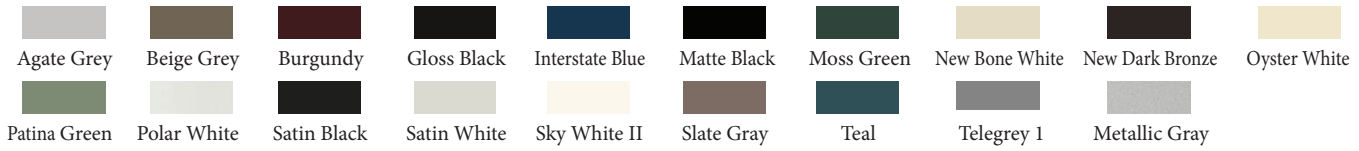
ARCHITECTURAL PAINT COATINGS AND FINISHES

◇ Baked on powder coat finish meets ANSA/AAMA 2604 specs and is available in unlimited colors

- 11 Popular Colors



- 19 Impressive Colors



- 7 Resemble Colors (painted finish resembling anodized)



- Unlimited Custom Colors

* Printed colors shown here may not accurately depict actual painted colors. Color samples are available upon request.

◇ ANSA/AAMA 2605 powder coat finishes

◇ AAMA 611-98 Class I clear and tinted anodized finishes

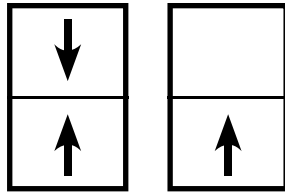
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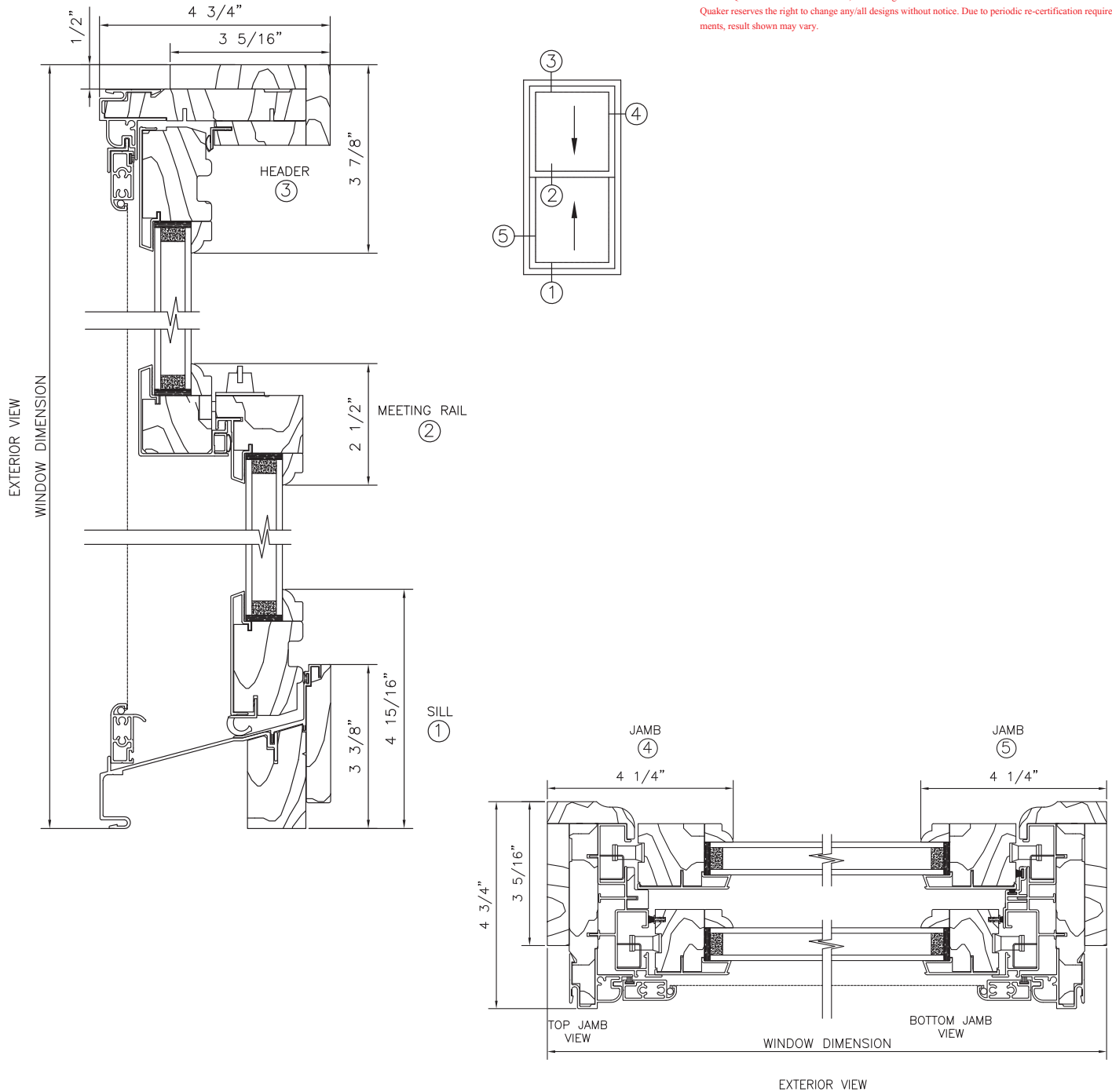
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Classic Fit Series
R-50
4 3/4" Frame Depth
Double Hung/Single Hung

CLASSIC FIT DH/SH

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QUAKER
COMMERCIAL WINDOWS AND DOORS

MAKING YOUR DECISIONS
PERFECTLY CLEAR.

YOU'VE GOT QUESTIONS.

ANDERSEN ANSWERS.

Whether you're replacing old windows, remodeling your home or building a new house, you have lots of questions. Andersen has the answers. But don't take our word for it. Instead, take it from the millions of people just like you who have gone through the same process you're going through now. For over 110 years, homeowners have turned to Andersen for answers, and in the process they've made Andersen the most enjoyed windows and doors in America. When you choose Andersen, you're not only getting superior products that perform, you're getting ultimate peace of mind. So take a closer look at Andersen® windows and doors in the pages ahead, and take comfort in your decision to choose Andersen. It's one choice that's perfectly clear.



From energy efficiency and durability to low maintenance, Andersen designs and builds windows and patio doors that are among the best-performing products in the industry. Andersen is committed to constant innovation as well as rigorous testing of performance and quality to make sure we continue setting the highest possible bar for performance. That's why peace of mind comes standard on all Andersen® windows and patio doors.

ENERGY EFFICIENCY



We take saving energy seriously.

Saving energy is important to us. That goes for the energy efficiency of the windows and doors we make and also for our manufacturing processes that produce them.

The easy way to compare energy efficiency.

If you'd like a quick, accurate way to compare the energy efficiency of windows and doors, just look for the National Fenestration Rating Council (NFRC) information. For details see page 10.

Energy-saving glass for any climate.

Andersen has the glass you need to get the performance you want, including a variety of Low-E glass options to help you control heating and cooling costs in any climate, including SmartSun™ glass that filters out 95% of harmful UV rays.



Take comfort in superior weather resistance.

Andersen patio doors feature unique locking systems that pull the door panel snugly tight. The result is an enhanced weather seal, plus improved security.

Our weather-resistant construction seals out drafts, wind and water so well, you can relax in comfort whatever the weather. We carefully select weatherstripping to suit each style of window and door to make sure you enjoy superior comfort and reliability.

DURABILITY

Tough, time-tested Perma-Shield® exteriors.

The exclusive Andersen® Perma-Shield® system gives our windows and doors a tough, protective shell that safeguards the wood inside. It repels water, resists dents* and stays beautiful for years.

RELIABILITY

OWNER2OWNER® LIMITED WARRANTY

Quality so solid, the warranty is transferable.*

Many other window and door warranties end when a home is sold, but our coverage — 20 years on glass, 10 years on non-glass parts — transfers from each owner to the next. And, because it is not prorated, the coverage offers full benefits, year after year, owner after owner. So it can add real value when you decide to sell your home.



Never needs painting.

The Perma-Shield exteriors on Andersen windows and doors won't peel, blister, flake or corrode,* so they are virtually maintenance free. They come in seven popular colors: White, Canvas, Sandtone, Terratone, Forest Green, Dark Bronze and Black.

Built for years* to come.

Our products are built strong to last long.† We use the right materials in the right places, including solid wood, fiberglass and our own Fibrex® composite material. These give our windows and doors superior strength, stability and long-term beauty.



We offer options for the harshest weather environments.

400 Series windows with Stormwatch® protection meet building code requirements in coastal areas.† Products with Stormwatch protection are energy efficient, resist the effects of salt water* and stand up to hurricane-force winds and wind-borne debris.†† For details visit: andersenwindows.com/coastal.

*Visit andersenwindows.com/warranty for details.

†See your local code official for building code requirements in your area. ††AAMA/WDMA/CSA 101/1.S.2/A440-08 PG 70.

HOW DO WINDOWS & DOORS INFLUENCE STYLE?



ARTS & CRAFTS

The Arts & Crafts, or Craftsman, home style is marked by a sense of the familiar, the handmade, the “craftsmanship” of design. Attributes of this style include:

- Large glass and single glass openings
- Grilles in the upper sash of the double-hung windows
- Art glass for that distinctive design touch
- 4 ½"-wide flat window trim with sill nose
- Windows and siding are similar in tone; window trim is usually a warm, contrasting color



COLONIAL

Colonial today refers to a host of highly popular styles and blended designs. In fact, many homeowners are remodeling other styles of homes, like Ranch, to look more Colonial. Attributes of this style include:

- Dormers and divided light double-hung windows
- Clapboard siding and shutters
- Fan light over entry door
- 3 ½"- or 4 ½"-wide flat window trim, often with a decorative cornice
- White or light gray windows with stark, contrasting window trim



COTTAGE FARMHOUSE

As a traditional style, Cottage Farmhouse beckons you back to the casual, simple, relaxed and delightful homestead of an earlier time. Attributes of this style include:

- Grilles add a design touch to double-hung windows
- Double-hung windows are tall and narrow with a simple grille pattern
- 4 ½"-wide flat window trim, frequently with a decorative drip cap
- The most popular window and window trim colors are white and forest green, used in any combination



YOUR HOME IS FAR MORE THAN A DWELLING.

It's a design statement that speaks volumes about you. Andersen has perfected the art of creating products that are aesthetically ideal no matter what your style. Our windows, doors and exterior trim work in harmony, not only with each other, but also with your home's architecture. The end result is an enduring investment — timeless beauty and lasting* quality at an exceptional value.



MODERN

The Modern style incorporates clean lines, simple forms and open floor plans. Attributes of this style include:

- Expanses of glass heighten the interior and expand space and light
- Casements and awnings are widely used window types in Modern homes
- 2"-wide brick mould window trim used to minimally highlight the windows or to create a shadow line

RANCH

Blending styles is becoming more and more popular, and Ranch homeowners are remodeling interiors to be more contemporary and exteriors to be more traditional. Attributes of this style include:

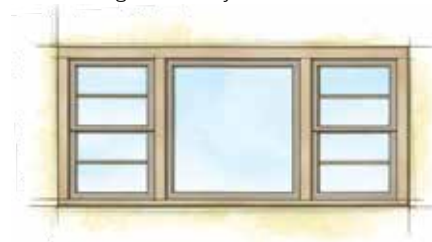
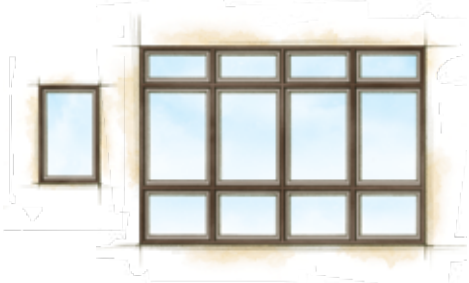
- Ribbon or large plate-glass windows are common
- Divided light windows enhance both curb appeal and interior aesthetics
- Double-hung, casement and awning windows are used alone and in combinations
- Window trim is either 3 ½"-wide flat or 2"-wide brick mould and typically coordinates with other features such as roofing or masonry

YOUR HOME STYLE

It can be hard to put your finger on the exact style you'd like for your home. To help, Andersen has done extensive research into many architectural styles and how windows and doors play a critical role in achieving them.

We've compiled it all into our Home Style Library so you can browse and find the perfect style for your home. And don't worry, you don't have to be an architect to use it— you just have to know what you like.

Explore our Home Style Library at andersenwindows.com/stylelibrary





1

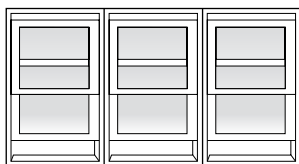
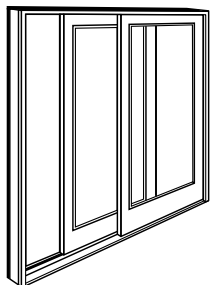
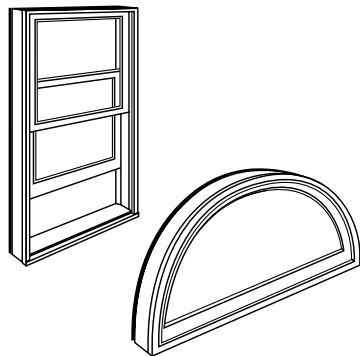
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3

SELECT YOUR WINDOW & DOOR TYPES

Choose the types of windows and doors that best fit your needs.

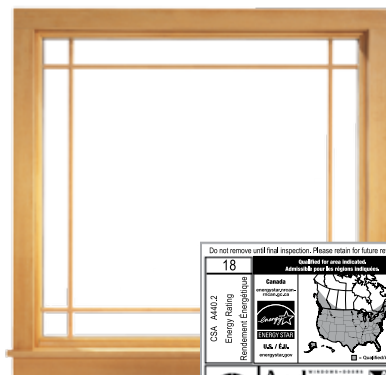
Pages 8–9



CHOOSE YOUR GLASS

Choose the right glass to maximize performance.

Pages 10–11



Do not remove until final inspection. Please refer to future reference.	
18	18
CSA 4410.2 Energy Rating Reconnaissance Énergétique	Canada Régulation Énergétique R-16 / R-15 www.reconnaissance.ca
Casement Window AND-N-0017-00001 Vinyl-Clear Frame, DualPane Low-E SmartSun Glazing with Argon Product Type: Casement	
ENERGY PERFORMANCE RATINGS U-Factor: 0.27 Solar Heat Gain Coefficient: 0.21 (U.S.A.F.) (SHGC)	
ADDITIONAL PERFORMANCE RATINGS Visible Transmittance: 0.49	
WDMA WINDOW FILLS WDMA HALLMARK CERTIFIED	
Andersen Corporation, 400 Lake Superior Drive Muskegon, MI 49765-1000 800.451.7222 www.andersen.com	
Model: 2,204 AN 4,204,2,204 NS 1000	
Andersen is a registered trademark of Andersen Corporation. © 2017 Andersen Corporation.	

CHOOSE YOUR EXTERIOR & INTERIOR OPTIONS

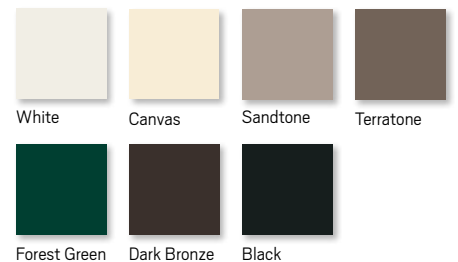
Choose from seven exterior colors, a variety of interior finish options, plus three exterior trim styles in 11 colors.

Pages 12–13



Red Rock trim with Sandtone window

EXTERIOR COLORS





WHAT ARE THE SIX SIMPLE SELECTION STEPS?

When you break down the window and patio door selection process, it's really not that complicated. It involves a few basic steps: Start by picking the types of windows and doors you want. Then choose glass, your exterior and interior options. And, finally, enhance your selections with grilles, hardware and accessories. Andersen makes the selection process easy and the final product exquisite.

4

ADD STYLE WITH GRILLES

Customize the look of your windows and doors with Andersen® grilles.

Pages 14–15



Look for this triangle throughout the catalog. It indicates that the product is available in custom sizes.

5

CHOOSE YOUR HARDWARE

Customize your windows and doors with a wide array of hardware choices.

Pages 16–19



6

ENHANCE WITH ACCESSORIES

Multiple options give your windows and doors a truly signature look.

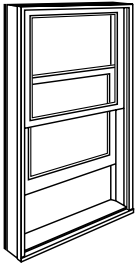
Pages 20–21



1

SELECT YOUR WINDOW & DOOR TYPES

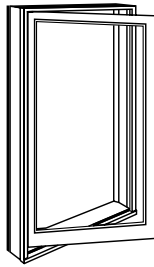
WINDOW TYPES



DOUBLE-HUNG

A double-hung window has two vertically sliding sash in a single frame. Double-hungs lift open while remaining flush with the wall, making them ideal around patios, decks and walkways.

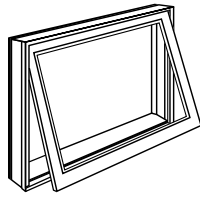
See page 24.



CASEMENT

Casement windows are hinged windows that, with a turn of a crank, open outward to the right or to the left. Casements are common above kitchen sinks and give you flexibility to group in stunning combinations.

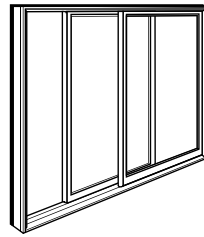
See page 26.



AWNING

Awning windows are hinged at the top and open outward. They catch breezes from the left or right and are often used above, below or alongside stationary windows.

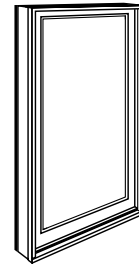
See page 26.



GLIDING

Gliding windows feature two sash, with at least one of the sash sliding horizontally past the other. They give you the advantages of double-hung windows with a more contemporary look.

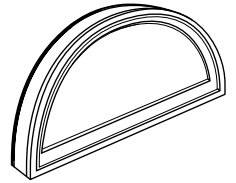
See page 26.



STATIONARY

Stationary windows, as the name states, are windows that don't open. Often referred to as picture windows, they're typically used in combination with venting windows.

See page 28.

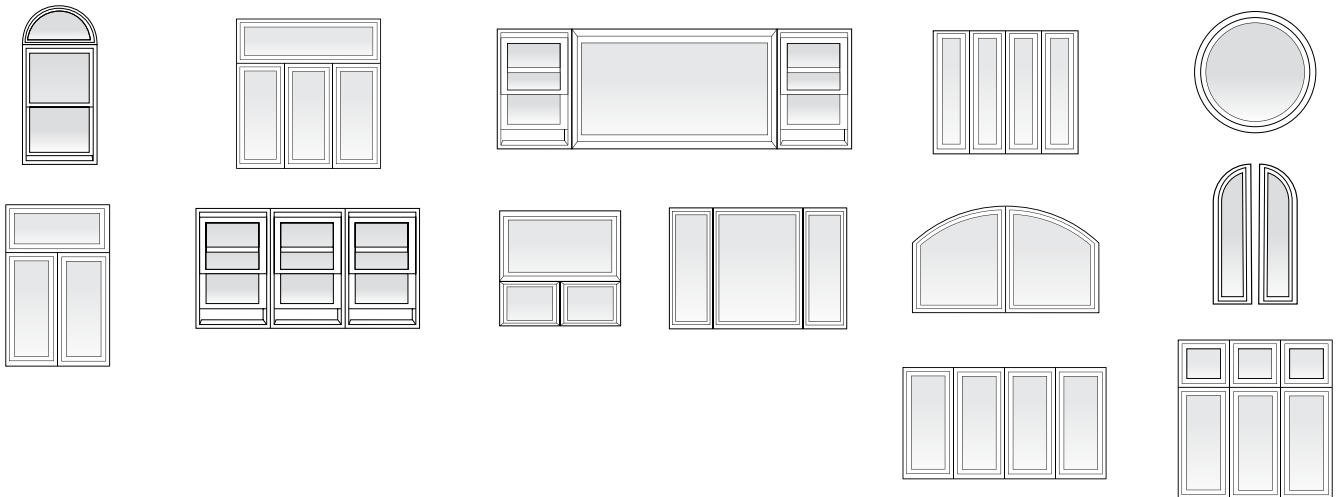


SPECIALTY

Specialty windows are stationary windows characterized by their special shapes, including curves and dramatic angles. They can make a signature statement in your home and provide a delicate lighting accent.

See page 28.

COMBINATIONS : Explore the many possibilities of putting shapes and sizes together.



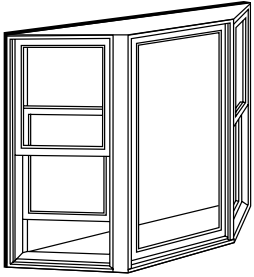
To create your own design go to andersenwindows.com/design-tool



REPLACING

Replacement doesn't mean you have to put in the same type of window as your old one. For example, put a new, convenient casement window in place of your old and hard-to-operate double-hung. If you're changing window type, however, be sure to verify that the new window meets codes in your area.*

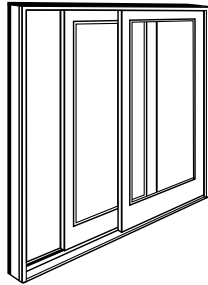
PATIO DOOR TYPES



BAY & BOW

Bay and bow windows are window combinations that project outward from a home. These dramatic combinations can add space, volume and light to a room and add more personality to any home.

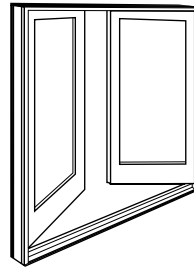
See page 28.



GLIDING

With at least one panel that glides smoothly past another door panel, you'll get more room where you need it — inside or out.

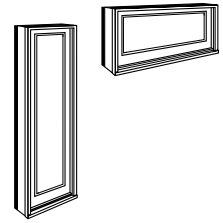
See page 30.



HINGED INSWING

To save room in smaller areas such as balconies, patios and decks, you'll love the space-enhancing benefits of inswing patio doors.

See page 32.



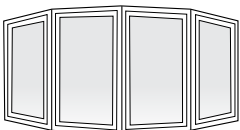
SIDELIGHTS & TRANSOMS

Expand your hinged patio door with elegant combinations, including sidelights, transoms and stationary door panels.

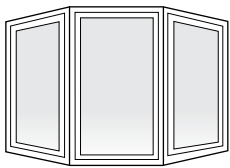
See page 32.

CONFIGURATIONS

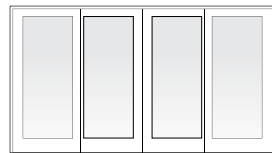
COMBINATION



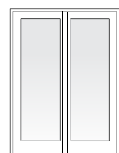
Bow



Bay



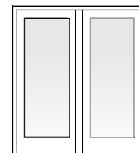
Four-Panel



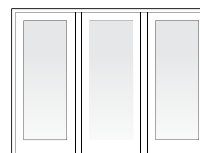
Two-Panel



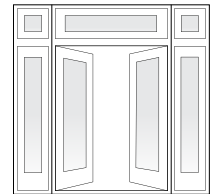
Single



Double



Triple

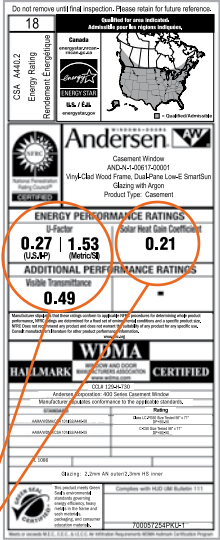


Transoms and Sidelights with Hinged Door

2

CHOOSE YOUR GLASS

Glass can affect energy efficiency more than any other part of a window or patio door — and not all glass performs the same. Some types of glass do a better job at insulating your home. Others provide greater clarity. You can even choose glass to filter out specific kinds of light. Andersen offers one of the industry’s widest arrays of glass options, so you’re sure to find the right choice for your climate and your home.



National Fenestration Rating Council (NFRC) Energy Performance Ratings

U-Factor indicates how well a product prevents heat from escaping. The lower the number the better.

Solar Heat Gain Coefficient measures how well a product blocks heat caused by sunlight. A lower number is typically better.

Visible Transmittance refers to how much visible light comes through a product. The higher the number the better.

NFRC ratings for Andersen® products are available at andersenwindows.com/nfrc





REPLACING, REMODELING OR BUILDING

No matter what type of project you're doing, choosing your glass is key. Andersen® High-Performance Low-E4® SmartSun™ glass helps block unwanted solar heat while allowing light to stream through, helping to lower energy costs. It filters out 95% of damaging ultraviolet rays that can cause fading.

HIGH-PERFORMANCE GLASS



Low-E4® Glass

Outstanding thermal performance for climates where both heating and cooling costs are a concern. It is up to 56% more energy efficient than ordinary dual-pane glass.*



Low-E4 SmartSun™ Glass

It gives you the benefits of Low-E4® glass, plus it helps shield your home from the sun's heat and filters out 95% of harmful UV rays while letting sunlight shine through.



Low-E4 Sun Glass

It's tinted for maximum protection from the effects of intense sunlight while providing all the benefits of Low-E4® glass.

Additional glass options are available, visit andersenwindows.com/glass for details.

PERFORMANCE COMPARISON OF ANDERSEN® GLASS OPTIONS

GLASS	E N E R G Y		L I G H T	
	U- FACTOR How well a product prevents heat from escaping.	SOLAR HEAT GAIN COEFFICIENT How well a product blocks heat caused by sunlight.	VISIBLE LIGHT TRANSMITTANCE How much visible light comes through a product.	UV PROTECTION How well a product blocks ultraviolet rays.
SmartSun™ Thermal control similar to tinted glass, but with the visible light transmittance of clear glass.	★★★★☆	★★★★★	★★★☆☆	★★★★★
SmartSun with HeatLock® Coating Applied to the room-side surface, it reflects heat back into the home and improves U-Factors.	★★★★★	★★★★★	★★★☆☆	★★★★★
Low-E4®/Low-E Outstanding overall performance for climates where both heating and cooling costs are a concern.	★★★★☆	★★★★☆	★★★★☆	★★★★☆
Low-E4 with HeatLock® Coating Applied to the room-side surface, it reflects heat back into the home and improves U-Factors.	★★★★★	★★★★☆	★★★☆☆	★★★★☆
Sun Outstanding thermal control in southern climates where less solar heat gain is desired.	★★★★☆	★★★★★	★★☆☆☆	★★★★☆
PassiveSun® Ideal for northern, passive solar construction applications where solar heat gain is desired.	★★★★☆	★★☆☆☆	★★★★☆	★★★☆☆
Clear Dual-Pane High visibility with basic thermal performance.	★★★☆☆	★★☆☆☆	★★★★★	☆☆☆☆☆

Patterned Glass

Patterned glass lets in light while obscuring vision and adds a unique decorative touch to your home.



Center of glass performance only. Visit andersenwindows.com for ENERGY STAR® map and NFRC total unit performance data.

*Low-E4® glass in summer. Based on comparison of Andersen® 400 Series tilt-wash double-hung window SHGC to the SHGC for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.

3

CHOOSE YOUR EXTERIOR & INTERIOR OPTIONS

CHOOSE YOUR EXTERIOR WINDOW OR DOOR COLOR*



CHOOSE YOUR EXTERIOR TRIM OPTIONS

For more curb appeal, add optional Andersen® exterior trim. It's available in 11 colors, so you can match or complement your window or door colors to create a variety of looks. Made of Fibrex® material, our trim never needs painting, and it won't fade, flake, blister, chalk or peel no matter what the climate.** For select shapes, we offer curved trim made of highly durable factory-finished urethane material.



Watch videos and use our visualizer tool to create your own look at: andersenwindows.com/exteriortrim



Red Rock trim with Sandtone window

WINDOW AND DOOR COLORS*



TRIM COLORS



STYLES



2" Brick Mould
Dove Gray trim
Terratone window



3 1/2" Flat Casing
Dark Bronze trim
White window



4 1/2" Flat Casing
Canvas trim
Forest Green window

HEAD TRIM OPTIONS



Decorative Drip Cap



2" Cornice



3 5/8" Cornice



REPLACING, REMODELING OR BUILDING

All Andersen® windows and doors are available with a low-maintenance white interior. It not only saves you the time and the trouble of painting, it also creates a smoother, more uniform surface that you just can't achieve with a brush.

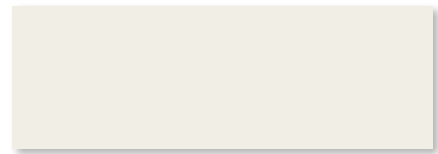
CHOOSE YOUR INTERIOR OPTION

The interiors of all Andersen® windows and patio doors are available in unfinished stain-grade pine or with a long-lasting, low-maintenance white finish. Select windows are available with a dark bronze or black** finish.

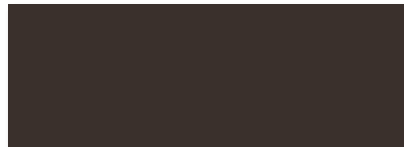
Frenchwood® patio doors and Woodwright® windows can also be ordered with unfinished oak or maple interiors. Perma-Shield® patio door interior colors match exterior colors.



Pine



White



Dark Bronze**



Black**



Oak



Maple



*Visit andersenwindows.com/warranty for details. Note: Wood species are shown with stain to bring out grain pattern. Naturally occurring variations in grain, color and texture of wood make each window one of a kind.
**Dark Bronze and Black interiors are only available with Dark Bronze and Black exteriors respectively. See your Andersen dealer for availability.

4

ADD STYLE WITH GRILLES

Andersen® grilles add character to any home. They are available in a wide selection of standard patterns, semi-custom patterns or custom patterns for a truly signature look.

GRILLE OPTIONS

MATCH ACROSS ALL PRODUCTS



Colonial Double-Hung



Colonial Picture Window



Colonial Frenchwood® Door

Colonial Upper Sash



Standard Prairie



Semi-Custom

Choose any number of same-size rectangles across or down.



3x1 Upper Sash Only



2x2



3x3

Simulated Double-Hung



Diamond



Custom



Custom



Your Pattern Here



Our 2 1/4-inch-wide grille can make a casement window look like a double-hung. See page 27.



DESIGN YOUR OWN PATTERN

Andersen gives you complete flexibility to design your own custom grille style. You sketch it, our craftsmen will create it.

SHOWN: Andersen 400 Series casements with custom circle pattern grilles in transoms.

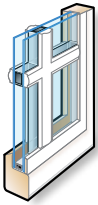


REPLACING OR REMODELING

Grilles influence style, and the choices at Andersen are endless. You can use grilles to make your casement windows look like double-hung windows. Or you can match existing grille patterns. If you want to match existing windows, it's a good idea to take a picture of your current windows before seeing your contractor or Andersen dealer.

GRILLE CONFIGURATIONS

Full Divided Light

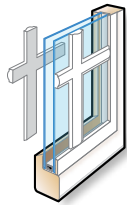


Give your window an authentic look with full divided light grilles that are permanently applied to the interior and exterior of your window with a spacer between the glass.

Permanent Exterior
Permanent Interior with Spacer



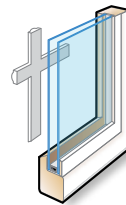
Permanent Exterior
Permanent Interior



Permanent Exterior
Removable Interior

Simulated Divided Light

Simulated divided light offers permanent grilles on the exterior and interior with no spacer between the glass. We also offer permanent exterior grilles with removable interior grilles, available in natural wood or prefinished white.



Removable
Interior Grille



Finelight™ Grilles
Between-the-Glass

Convenient Cleaning Options

Removable interior grilles come off for easy cleaning. Andersen® Finelight™ grilles are installed between the glass panes and feature a contoured 1" or 3/4" profile.

Grille Widths (actual size shown)



3/4"



7/8"



1 1/8"



2 1/4"



5

CHOOSE YOUR WINDOW HARDWARE

With Andersen® windows, the hardware* you choose does more than just provide mechanical functions. It enhances the overall design of your windows and harmonizes with your home's cabinetry and décor. At Andersen, we design hardware ranging from the traditional and classical to simple and contemporary.

ANDERSEN® HARDWARE FINISHES

	
Antique Brass	Black
	
Bright Brass	Brushed Chrome
	
Distressed Bronze	Distressed Nickel
	
Gold Dust	Oil Rubbed Bronze
	
Polished Chrome	Satin Nickel
	
Stone	White

The hardware* on our windows is created especially for Andersen, with a wide range of finishes. Choose window hardware finishes that coordinate with lighting and other room décor.

*All Andersen® hardware is sold separately, except standard hardware. Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use. Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.



Estate™ casement hardware in distressed bronze finish.



Estate™ lock & keeper in satin nickel finish.



REPLACING OR REMODELING

With Andersen, you have a beautiful array of hardware styles and finishes to enhance your home's décor. If you're replacing or remodeling, it's important to choose finishes that best complement the hardware you already have. Look at your lighting, plumbing, cabinetry and other areas for guidance.

CASEMENT & AWNING HARDWARE OPTIONS*

CLASSIC SERIES™



Stone | **White**

ESTATE™



Antique Brass | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | Satin Nickel

TRADITIONAL FOLDING



Antique Brass | **Black** | Bright Brass
Distressed Bronze | Distressed Nickel | Gold Dust
Oil Rubbed Bronze | Satin Nickel | Stone | White

Folding window hardware eliminates interference with window treatments.

CONTEMPORARY FOLDING



Black | Bright Brass | Gold Dust | Oil Rubbed Bronze
Satin Nickel | Stone | White

GLIDING WINDOW HARDWARE*

For use on 400 Series gliding windows.*



Antique Brass | **Black** | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | **Satin Nickel**
Stone | White

For use on 200 Series gliding windows.



STANDARD:
Stone | **White**
OPTIONAL:
Antique Brass
Black
Bright Brass
Gold Dust
Oil Rubbed Bronze
Satin Nickel

STANDARD DOUBLE-HUNG HARDWARE

400 SERIES WOODWRIGHT® WINDOWS



Antique Brass | **Black** | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Gold Dust | Oil Rubbed Bronze
Polished Chrome | Satin Nickel | Stone | White

400 SERIES TILT-WASH WINDOWS



STANDARD: Stone | White
OPTIONAL: **Black** | Gold Dust

200 SERIES TILT-WASH WINDOWS



STANDARD: Stone | **White**
OPTIONAL: Antique Brass | **Black** | Bright Brass
Gold Dust | Oil Rubbed Bronze | Satin Nickel

OPTIONAL DOUBLE-HUNG HARDWARE*

ESTATE™

Lock & Keeper
(Not available for 200 Series tilt-wash windows)



Antique Brass | **Bright Brass** | Brushed Chrome | Distressed Bronze | Distressed Nickel | Oil Rubbed Bronze | Polished Chrome | Satin Nickel

Hand Lift



Finger Lifts



TRADITIONAL

Bar Lift



Hand Lift



Finger Lifts



Antique Brass | **Black** | Bright Brass | Brushed Chrome | Distressed Bronze | Distressed Nickel | Gold Dust | **Oil Rubbed Bronze** | Polished Chrome | Satin Nickel | Stone | White

CLASSIC SERIES™

Sash Lift



Stone | **White**

Hand Lift



Stone | **White**

Finger Lifts



Stone | **White**

*Hardware sold separately.
All styles are not available on all products.
Bold names indicates finish shown.

5

CHOOSE YOUR DOOR HARDWARE

Choose Andersen® patio doors, and you'll enjoy a wider selection of hardware styles and finishes than you'll find with just about any other manufacturer. We offer six distinctively different styles — Yuma®, Encino®, Anvers®, Newbury®, Covington™ and Whitmore® — in solid, forged brass with eight metal finish options. And we offer two styles — Tribeca® and Albany — in diecast zinc with durable powder-coated finishes. Also, be sure to check out our additional hardware options such as exterior keyed locks, matching hinge finishes and more.

GLIDING PATIO DOOR HARDWARE* (G)



HINGED PATIO DOOR HARDWARE* (H)

YUMA®
Distressed Bronze
Distressed Nickel

ENCINO®
Distressed Bronze
Distressed Nickel

ANVERS®
Bright Brass
Oil Rubbed Bronze
Satin Nickel

NEWBURY®
Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel



Anvers® gliding door hardware in satin nickel finish.



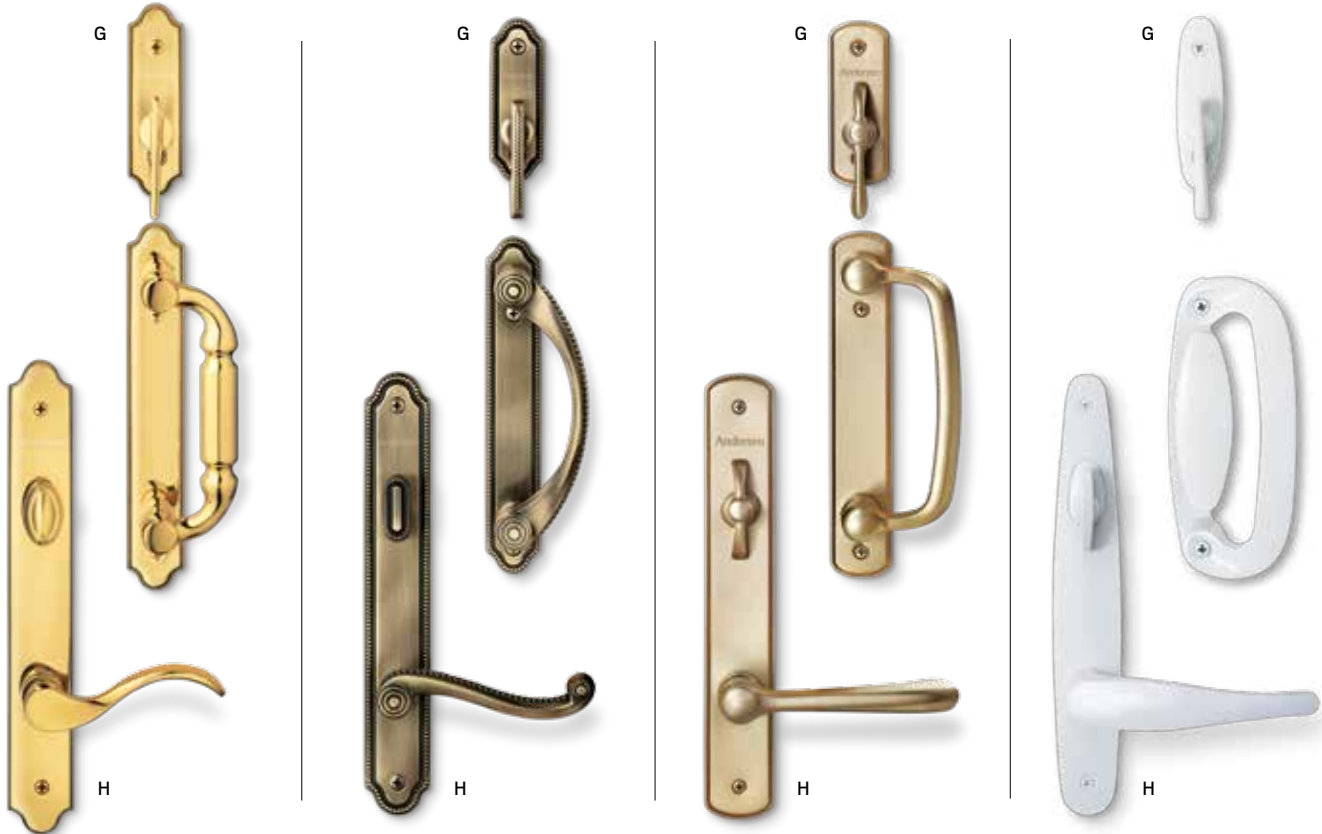
Yuma® hinged door hardware in distressed nickel finish.



REMODELING

Distressed finishes on brass replicating the look of cast bronze are growing in popularity. Many of the new finishes are characterized as “living” because they wear with use and develop a patina. For more information on finishes and to see photos of all patio door hardware styles and finishes, go to: andersenwindows.com/patiodoorhardware.

GLIDING PATIO DOOR HARDWARE* (G)



HINGED PATIO DOOR HARDWARE* (H)

COVINGTON™

Antique Brass
Bright Brass
 Oil Rubbed Bronze

WHITMORE®

Antique Brass
 Bright Brass
 Oil Rubbed Bronze
 Satin Nickel

ALBANY

Black
Gold Dust
 Stone
 White

TRIBECA®

Stone
White

Bold name denotes finish shown.

DOOR HARDWARE FINISHES



Antique Brass Black Bright Brass Brushed Chrome Distressed Bronze Distressed Nickel Gold Dust Oil Rubbed Bronze Polished Chrome Satin Nickel Stone White

*Hardware sold separately. Distressed bronze and oil rubbed bronze are “living” finishes that will change with time and use. Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty. Matching hinges available for inswing patio doors. Printing limitations prevent exact finish replication. See your Andersen dealer for actual finish samples.

6

ENHANCE WITH ACCESSORIES

Bring a whole new level of protection and style to your windows and doors with Andersen® insect screens — including the innovative TruScene® insect screen technology. You can also add beauty and enhance your home's style with elegant art glass panels.

INSECT SCREENS

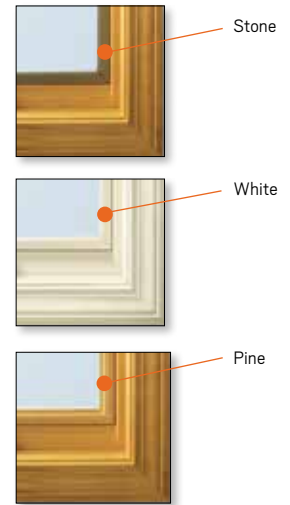


TRUSCENE® INSECT SCREENS — 50% GREATER CLARITY*

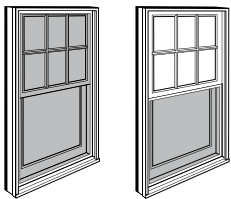
Exclusive Andersen TruScene insect screens provide more than 50% greater clarity than our conventional insect screens for a beautifully unobstructed view. And they let in more fresh air and sunlight, while doing a better job of keeping out small insects.

FRAMES

For casement and awning windows, TruScene insect screen frames are available in stone, white, dark bronze, black or natural pine veneer that can be stained to match the window. Insect screen frames for all other windows are installed on the exterior of the window and match the unit's exterior color.



FULL OR HALF WINDOW INSECT SCREENS

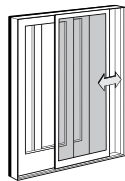


Full insect screens are available for Andersen® venting windows. Andersen also offers the option of half insect screens for the lower sash of our tilt-wash double-hung windows.

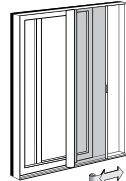
PATIO DOOR INSECT SCREEN OPTIONS

All hinged and gliding patio door insect screens have a long-lasting** fiberglass screen mesh with a charcoal finish. Available in colors to match the exterior of the door.†

GLIDING PATIO DOORS

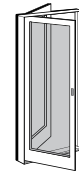


Gliding Insect Screen
Gliding insect screens are available for two- and four-panel doors.

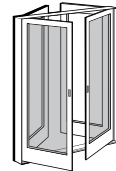


Retractable Insect Screen
The retractable insect screen is installed on the exterior of the door and opens side-to-side across the width of the opening. When the insect screen is not in use, it neatly retracts into a small canister. Available for two-panel patio doors.

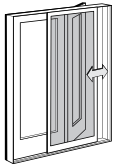
HINGED — INSWING PATIO DOORS



Hinged Insect Screen
Available for single-panel doors.



Double-Hinged Insect Screen
Available for two-panel jamb hinged doors.



Gliding Insect Screen
Available for all two- and three-panel doors.

ART GLASS

With art glass from Andersen, you can enhance a transparent look, express your individuality or add a touch of elegance. These finely crafted inserts are designed to fit most Andersen® windows and patio doors.

Go to andersenwindows.com/artglass for more details.



FRANK LLOYD WRIGHT® SERIES

Each of the four patterns inspired by renowned architect Frank Lloyd Wright remains true to the principles of Wright's original work: simplicity, unity and nature.



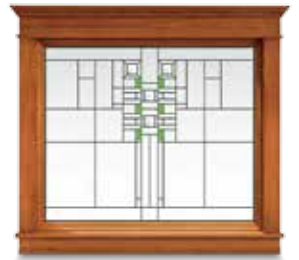
Eucalyptus



Wichita



Colonnade



Prairie Rhythm

CLASSIC SERIES

Give your home a classic look with five different styles that represent major architectural design themes from the late 1800s through the 1930s, as well as a Southwestern-inspired design.



Diamond Lights



Lotus



Regency



Victoria

ARTISAN SERIES

Two designs influenced by 20th century American and European architectural schools feature striking visual patterns that evoke an extraordinary blend of art and nature.



Harmonics



Affinity



Taos

WHAT ARE THE DIFFERENT **ANDERSEN**[®] WINDOWS & DOORS?

On the following pages, we present our window and patio door selections according to the different window and door types. Within each type, you'll see our offerings listed by product line. To the right is a quick guide to help you gauge what each product line represents.



DOUBLE-HUNG
Page 24



CASEMENT / AWNING
GLIDING
Page 26



STATIONARY
Page 28

W I N D O W S

ANDERSEN® 400 SERIES WINDOWS & DOORS

The Andersen® 400 Series product line delivers **superior craftsmanship and top performance**. These windows and doors feature the widest range of sizes, styles and accessories.

ANDERSEN 200 SERIES WINDOWS & DOORS

The 200 Series product line concentrates on the **most popular sizes and options**, delivering on our promise to provide renowned Andersen quality at an uncommon value.

ANDERSEN COMPLEMENTARY WINDOWS & DOORS

Our complementary windows and doors are **custom-crafted in dramatic sizes and shapes** to accompany our 400 Series products.

ANDERSEN ENTRY DOORS

Handcrafted from the finest wood available, Andersen entranceways offer **uncommon elegance and exceptional beauty** to enhance the character of your home.



GLIDING
Page 30



HINGED
Page 32



ENTRY
Page 34

D O O R S

DOUBLE-HUNG WINDOWS



Andersen® 400 Series Woodwright® insert replacement windows with pine interiors.



400 SERIES WOODWRIGHT® WINDOWS

Make new homes look old and old homes like new.

Woodwright windows are a great choice for traditional architecture. With their thick, sloped sills, precision-milled wood interiors and historically accurate grille patterns, these windows bring authentic old-world character to homes of all ages. These windows feature a new tilt-release lock for easy exterior cleaning from the inside.



Woodwright full-frame windows offer you the ability to select from a simple rectangular shape or create a distinct, architecturally inspired look with graceful arches.

REPLACING A WINDOW?
Woodwright insert windows can save you time and money. (See opposite page.)



400 SERIES TILT-WASH WINDOWS

Our most popular double-hung window.

Year after year, the Andersen 400 Series tilt-wash window is our best-selling double-hung window — and for good reason. Extremely energy efficient, it gives you a wide array of decorative and performance options. Available in standard and custom sizing.



Andersen® 400 Series tilt-wash full-frame windows are available with impact-resistant glass and structural upgrades to meet the tough building codes of hurricane-prone coastal areas. See your local code official for specific requirements.

REPLACING A WINDOW?
400 Series tilt-wash insert windows can save you time and money. (See opposite page.)



200 SERIES TILT-WASH WINDOWS

Our 200 Series tilt-wash double-hung window comes in our most popular sizes and gives you our most requested options. You still get low-maintenance exteriors and real wood interiors, along with our renowned Owner-2-Owner® limited warranty.*

NARROLINE® WINDOW CONVERSION KIT

If your home has Andersen Narroline® windows that were made after 1967, our quick conversion kit can turn them into convenient, tilt-wash double-hung windows with high-performance Low-E4® glass. It installs easily with less mess than ordinary window replacement. Plus, it matches your existing window inside and out and is backed by our full Owner-2-Owner limited warranty.*



Visit andersenwindows.com/narroline, where you can download measuring guides and watch an installation video.



REPLACING

There are many reasons to replace your old windows, and just as many advantages. Whether you want to increase energy efficiency, update the style of your home or simply replace windows that just don't operate like they should, Andersen has replacement solutions that are perfect for the job. Look for them on these two pages, plus pages 26-27.



Double-hung replacement made easy.

Insert replacement windows are specially designed to save you time and money. They fit into your existing wood window frame without removing interior or exterior trim, so there's less disruption to your home, and its original character is preserved. You simply remove your old window and install the new insert window in the existing opening. Another advantage: You can do it from inside your home — which makes a big difference if you're replacing windows on the second level. All Andersen® insert windows come with screws, shims and flexible foam backer rod to make installation easier.



REPLACEMENT

To see if an Andersen insert window is right for your home and explore all the replacement solutions from Andersen, visit andersenwindows.com/replacement.

OPENING CONTROL DEVICE KIT

Window opening control devices for 400 Series and 200 Series double-hung windows limit the opening of the lower sash to less than 4 inches when the window is first opened. Release of the device allows the sash to fully open for maximum ventilation, escape or rescue. Once the lower sash is returned to the closed position the device automatically resets. The device is available in White and Stone finishes.



See your local code official for building code requirements in your area. See the ** disclaimer on page 27 for additional details.

DOUBLE-HUNG WINDOW FEATURES		400 SERIES WOODWRIGHT	400 SERIES WOODWRIGHT INSERT	400 SERIES TILT-WASH	400 SERIES TILT-WASH INSERT	200 SERIES TILT-WASH	NARROLINE® CONVERSION KIT
Low-Maintenance Exteriors							
White		●	●	●	●	●	●
Canvas		●	●	●	●		
Sandtone		●	●	●	●	●	●
Terratone		●	●	●	●		●
Forest Green		●	●	●	●		
Dark Bronze		●	●	●	●		
Black		●	●	●	●		
Interiors							
Maple		●	●				
Oak		●	●				
Pine		●	●	●	●	●	●
White		●	●	●	●	●	●
Dark Bronze*				●	●		
Black*				●	●		
Easy Cleaning							
Tilt-to-Clean Sash		●	●	●	●	●	●
Grilles							
Full Divided Light		●	●	●	●		●
Simulated Divided Light		●	●	●	●	●	●
Finelight™ (Grilles-Between-the-Glass)		●	●	●	●	●	●
Removable Interior Grilles		●	●	●	●	●	●
Performance Options							
Stormwatch® Protection				●			
High-Performance Glass Options							
Additional glass options are available. See page 11 for details.							
Low-E4®		●	●	●	●		●
Low-E4 Sun		●	●	●	●		●
Low-E4 SmartSun™		●	●	●	●		●
Low-E						●	
Low-E Sun							
Low-E SmartSun						●	
Unit Sizes							
Minimum Width		1'-9 5/8"	1'-4 1/2"	1'-9 5/8"	1'-9 1/4"	1'-7 1/2"	Fits Narroline® windows made after 1967
Maximum Width		3'-9 5/8"	3'-9 5/8"	3'-9 5/8"	3'-8 7/8"	3'-3 1/2"	
Minimum Height		3'-0 7/8"	2'-3 3/4"	3'-0 7/8"	3'-0 3/8"	2'-11 1/2"	
Maximum Height		6'-4 7/8"	6'-5"	7'-8 7/8"	7'-6 5/8"	5'-11 1/2"	
Custom Sizes		●	●	●	●		

*Dark Bronze and Black interiors are only available with Dark Bronze and Black exteriors respectively. See your Andersen dealer for availability. For complete product details, visit andersenwindows.com. Printing limitations prevent exact color duplication.

CASEMENT | AWNING | GLIDING WINDOWS



400 SERIES CASEMENT WINDOWS

Made like no other.

Andersen® 400 Series casement windows start with a design that is extremely energy efficient. Add to that a solid-wood sash covered inside and out by low-maintenance Perma-Shield® cladding to protect against water damage. Then give them rich, natural pine interiors and it's easy to see why they have become our best-selling window.



Conventional 400 Series casement windows are available with upgrades to meet the tough building codes of hurricane-prone areas. See your local code official for specific requirements.

REPLACING A WINDOW?

400 Series replacement casement windows can save you time and money. (See opposite page.)



400 SERIES AWNING WINDOWS

Beautiful...versatile...practical.

Andersen 400 Series awning windows give you the same features and outstanding performance platform as our casement windows. In addition, they add design options. For example, placed high on a wall, awning windows can bring light and fresh air into your home without compromising privacy.



Conventional 400 Series awning windows are available with upgrades to meet the tough building codes of hurricane-prone areas. See your local code official for specific requirements.

REPLACING A WINDOW?

400 Series replacement awning windows can save you time and money. (See opposite page.)



400 SERIES GLIDING WINDOWS

Designed to be one of the best-engineered windows of its kind.

In addition to providing top energy efficiency, reliable performance and uncommon beauty, both sash on our 400 Series gliding windows can be opened to the left or right to give you improved ventilation.



200 SERIES GLIDING WINDOWS

Easy operation. Excellent energy efficiency.

Andersen 200 Series gliding windows feature a single operating sash. These windows are available in our most popular sizes with our most requested options and give you low-maintenance exteriors, real wood interiors and the security of our renowned Owner-2-Owner® limited warranty.*



REPLACING OR REMODELING

If you're remodeling or replacing windows, you should know that building codes sometimes require egress windows* — ones that can be used as an emergency exit. Casement windows are often your best choice to meet egress requirements, because they provide a larger passageway than double-hung or gliding windows. And here's another Andersen advantage: If the other windows in your home are double-hungs, our 2 ¼-inch-width grille running across the center of a casement window simulates the look of a double-hung. See page 14 for example.



Casement and awning window replacement made easy.

If you're replacing old casement or awning windows, Andersen makes replacement windows specifically for the job. They come fully prepped for easy installation with the nailing flange removed, holes predrilled, and a convenient installation kit including screws, shims and flexible foam backer rod to help you install like a pro.

OPENING CONTROL DEVICE KIT**

Window opening control devices for 400 Series casement windows feature a simple, orange push-button clearly identifying the release mechanism of the device, and an innovative flip cap that shields it from accidental release. Made of corrosion-resistant stainless steel, the opening control device can operate with the insect screen in place and automatically reengages when the window closes.



SINGLE-ACTUATION LOCK

This Andersen® lock is engineered to secure casement windows firmly at multiple points with just one handle. The single-actuation lock also features a “reach-out” action that pulls in the sash for a weathertight seal.



CASEMENT, AWNING & GLIDING WINDOW FEATURES		400 SERIES CASEMENT	400 SERIES REPLACEMENT CASEMENT	400 SERIES AWNING	400 SERIES REPLACEMENT AWNING	400 SERIES GLIDING	200 SERIES GLIDING
Low-Maintenance Exteriors							
White		●	●	●	●	●	●
Canvas		●	●	●	●	●	
Sandtone		●	●	●	●	●	●
Terratone		●	●	●	●	●	
Forest Green		●	●	●	●	●	
Dark Bronze		●	●	●	●	●	
Black		●	●	●	●	●	
Interiors							
Pine		●	●	●	●	●	●
White		●	●	●	●	●	●
Dark Bronze†		●	●	●	●	●	
Black†		●	●	●	●	●	
Grilles							
Full Divided Light		●	●	●	●	●	
Simulated Divided Light		●	●	●	●	●	●
Finelight™ (Grilles-Between-the-Glass)		●	●	●	●	●	●
Removable Interior Grilles		●	●	●	●	●	●
Performance Options							
Stormwatch® Protection		●		●			
High-Performance Glass Options							
Additional glass options are available. See page 11 for details.							
Low-E4®		●	●	●	●	●	
Low-E4 Sun		●	●	●	●	●	
Low-E4® SmartSun™		●	●	●	●	●	
Low-E							●
Low-E Sun							
Low-E SmartSun							●
Unit Sizes							
Minimum Width		1'-5"	1'-5"	2'-0 1/8"	2'-0 1/8"	2'-11 1/4"	2'-11 1/2"
Maximum Width		7'-0 5/8"	7'-0 5/8"	5'-11 7/8"	5'-11 7/8"	5'-11 1/4"	5'-11 1/2"
Minimum Height		2'-0 1/8"	2'-0 1/8"	1'-5"	1'-5"	1'-10 1/4"	1'-5 1/2"
Maximum Height		5'-11 7/8"	5'-11 7/8"	4'-0"	4'-0"	4'-11 1/4"	4'-11 1/2"
Custom Sizes		●	●	●	●		

*See your local code official for specific requirements. **Window opening control devices may provide a potential alternative (compared to a window guard) to meet minimum sill height code requirements contained in the 2006, 2009, 2012 and 2015 editions of the International Residential Code (IRC) and International Building Code (IBC). Check with your local code official for local code requirements as well as to determine if the minimum window sill height code has been adopted in your area and if this device is accepted as an alternative to the minimum sill height requirement.

†Dark Bronze and Black interiors are only available with Dark Bronze and Black exteriors respectively. See your Andersen dealer for availability. For complete product details, visit andersenwindows.com. Printing limitations prevent exact color duplication.

STATIONARY WINDOWS

ANDERSEN® 400 SERIES SPECIALTY WINDOWS

These specialty windows let you complement your home's architecture with graceful curves, elegant arches and dramatic angles. Used alone or in combination with other windows, they heighten curb appeal and enhance the character of your home.



EXTENDED GOTHIC



ARCH



OCTAGON



TRAPEZOID



HALF CIRCLE

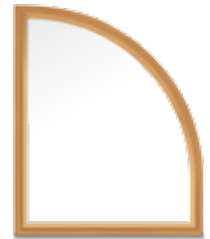
Also available to match Andersen® 200 Series double-hung windows.



OVAL



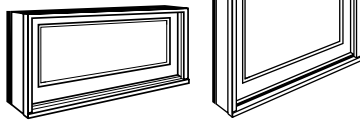
CIRCLE



SPRINGLINE™ FLANKER

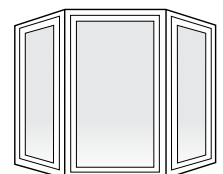
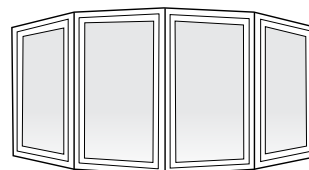
RECTANGULAR WINDOWS

Andersen makes picture and transom windows to complement the sizes and profiles of Andersen® 400 Series double-hung, casement and awning windows, as well as Andersen 200 Series double-hung windows.



BAY & BOW WINDOWS

Andersen bay and bow windows are window combinations that project outward from a home. These windows also project the beauty and personality of your home inside and out.





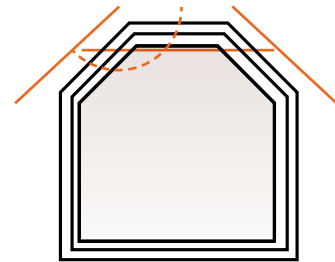
REPLACING OR REMODELING

If you're planning to replace a group of windows, consider replacing them with a bay or bow window to provide a beautiful interior cove that can make a room appear larger. A wide range of double-hung, casement and picture window combinations is possible.

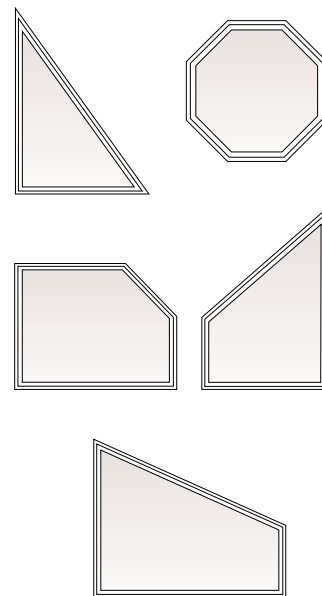


FLEXIFRAME® WINDOWS

Flexiframe® windows are available in custom sizes and can be designed in nearly any shape made with straight lines, providing no angle is less than 14 degrees. When other window companies say it can't be done, Andersen does it easily — and beautifully.



EXAMPLES OF ALTERNATIVE SHAPES



StormWATCH
PROTECTION

Andersen® 400 Series stationary windows are available with impact-resistant glass and structural upgrades to meet the tough building codes of hurricane-prone coastal areas. Learn more at andersenwindows.com/stormwatch. See your local code official for specific requirements in your area.

IMPROVING THE VIEW OUTSIDE.

Respect for the environment is nothing new at Andersen.

For more than a century, it's been part of who we are. Our commitment to recycle and reclaim materials began simply because it was good business. Now it's part of our commitment to sustainability and responsible stewardship of all our resources. Andersen Corporation is committed to providing you with long-lasting, energy-efficient windows and doors.



Andersen makes windows and doors with options that achieve **ENERGY STAR® 6.0** certification throughout the United States.



Andersen is a charter member of the **U.S. Green Building Council** and a strong supporter of its LEED® (Leadership in Energy and Environmental Design) Green Building Rating System.



Andersen was the first window and door manufacturer with **Green Seal™** certified products. Please visit our website at andersenwindows.com for a list of certified products.

DON'T JUST TAKE OUR WORD FOR IT



Check out these customer testimonials at myAWstory.com

WINDOWS • DOORS
Andersen® 

andersenwindows.com



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