

**CITY OF BEAUFORT**  
**Historic District Review Board**  
**Full Board**  
**Staff Report**  
**Meeting of March 11, 2015**

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**Case Number:** HR15-06  
**Property Address:** 400 Port Republic Street (PIN R120 004 000 0964 0000)  
**Applicant:** Scott Sonoc, AIA  
**Type of Request:** Alterations  
**Zoning:** TBR – Traditional Beaufort Residential District The Point

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**Historical:** The structure was built in 1999.

**Request:** **The applicant wishes to replace the existing front stairs with a landing and side stairs; replace the middle window and two double hung windows on the south (river) façade with glass doors; fill the existing round openings in the front and rear gables, and paint the building white.**

**Staff comments:**

Staff feels that in general these modifications are fine.

Since the front porch does effect the streetscape, consider simplifying the stair design. One thought is to attach the steps more as a stoop to the original porch, rather than having them come forward first and then down. Or consider wrapping them around in a semi-circular fashion beginning at the sides of the porch. This is a condition seen more traditionally in this district, and exists nearby on Port Republic Street. It would minimize the bulk of the stairs being so prominent on the street.

**Staff recommendation:**

Final approval with board discussion about simplification of steps if appropriate.



**\$ PAID**  
3/5/15 CL  
AP# 11221

See back of application  
for fees

**CITY OF BEAUFORT HISTORIC DISTRICT REVIEW BOARD PROJECT APPLICATION (Revised - 01/31/2014)**

Application #: HR15-06 Date Received: 3/5/15 Zoning District: TBR  
Beaufort County 1997 Historic Survey Listing: NO

Property Address: 400 Port Republic Street, Beaufort, SC 29902

Applicant: Scott Sonoc Phone: 312-315-6001

Applicant's Address: 500 Port Republic Street

Property Owner: Scott Sonoc + Marsha Williams Phone: 312-315-6001

Owner's Address: 500 Port Republic St. Beaufort SC 29902

Architect: Scott Sonoc AIA Phone: 312-315-6001

Architect's Address: 500 Port Republic Street Beaufort SC 29902

- REQUEST FOR:**  Conceptual Review  Preliminary Review  
 Final Approval  Change After Certification

**NATURE OF WORK:** (Check All That Apply)

- Color changes  Alterations, Additions  Other: \_\_\_\_\_  
 Signage, Awnings  New Construction  
 Legal Plat  Minor/Major Demolition or Relocation

**DRAWINGS/MATERIALS ACCOMPANYING APPLICATION:** (Refer to Appropriate Checklists for Requirements)

- Photographs  Floor/Roof Plans  Color Sample  Elevation Drawings  
 Site Plan/Plat  Detail Drawing  Material Sample  Model

**EXPLANATION AND DESCRIPTION OF WORK:** (see attached)

1. Paint exterior white instead of current light yellow.
2. Replace odd size middle window and narrow double hung windows with glass doors.
3. Replace lower portion of existing front porch with landing and side stairs.
4. Fill round opening in Sand N facade.

Pursuant to Section 6-29-1145 of the South Carolina Code of Laws, is this tract or parcel restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the activity described in this application? Yes  No

An Application is incomplete until all required information is submitted. Incomplete applications will not be placed on a Board agenda. Applications are reviewed based upon the Beaufort Preservation Manual and Supplement, or the Northwest Quadrant Design Principles (refer to [www.cityofbeaufort.org](http://www.cityofbeaufort.org)) which the applicants are strongly encouraged to purchase. Office copies are available for reference. In order that meetings are not excessively long, the Board maintains a strict policy that no more than ten applications are reviewed in any one meeting. If you are under a tight time frame, please be sure to submit your application early. **Submittal Requirements:** 8 hardcopies of all documents + a digital copy of all the documents must be filed by 12:00 noon on the deadline date.

If the applicant or a representative is not present at the meeting, the application will not be reviewed.

OWNER'S SIGNATURE: [Signature] DATE: 3-4-15

APPLICANT'S SIGNATURE: [Signature] DATE: 3-4-15

**Improvements to 400 Port Republic Street:**

1. **Paint house white instead of current off-yellow.**  
We propose to re-paint the home, after the home exterior siding is maintained, to a standard “white” paint more commonly found throughout the neighborhood. (see paint sample)
2. **Replace odd size middle window and two narrow double hung windows with glass doors matching overall window configuration.**  
The existing windows have deteriorated and must be replaced. Currently, the existing center window is oddly a different size from all of the other windows, so we propose to improve the appearance by removing this window with 2 narrow side windows and install doors that fit the existing river window pattern and street entrance door pattern.
3. **Replace lower portion of existing front stair with landing and side stairs.**  
To reduce the overly tall appearance of the existing stair and improve the pedestrian scale of the stair in conformance with surrounding neighborhood homes, we propose adjusting a portion of the lower steps. The adjustment proposed is to make traditional side stairs stepping down from a new lower landing. The existing single run unarticulated stair is more commonly used in pastoral settings, set back on larger and more open property.
4. **Fill existing round openings in façade above street entrance door and above riverside windows.**



HR15-06

RECEIVED  
MAR - 5 2015  
for 3-11-15









### FEATURES

#### FRENCHWOOD® HINGED INSWING PATIO DOORS

##### Frame

- 1 Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.
  - 2 Wood members are treated with a water-repellent preservative for long-lasting protection and performance. The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.
- Frenchwood® hinged inswing patio doors are available in 4 3/8" (116) and 6 3/8" (167) jamb depths.

##### Sill

- 3 One-piece fiberglass design provides superior water management. The non-conductive fiberglass construction enhances energy performance and its superior strength eliminates the need for a sill support.
- 4 Factory-applied drop-nose sill attachment is standard for enhanced water performance. See below for details. Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.



##### Panel

- 5 Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.
- 6 Panel interior surfaces are constructed from premium wood veneer available in pine, oak and maple options. All prefinished interior options use water-based paints and stains.
- 7 The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

8 Factory-applied, one-piece, (welded corners), compression-type weatherstrip made from a durable thermoplastic material is attached directly to the panel, not the frame, creating a continuous plane around the panel to provide maximum effectiveness against air and water infiltration. This system provides a long-lasting\* energy-efficient barrier against wind, water and dust.

Hinged inswing operation panels are available in either single left- or right-hand active or two-panel active/passive jamb hinges.

##### Adjustable Hinges

Adjustable hinges have ball-bearing pivots for smooth, frictionless movement. Features easy horizontal and vertical adjustment, plus quick-release feature for easy panel removal. This release feature is ideal for transporting large units up stairs or to other hard-to-reach areas. Gold Dust finish is standard on wood interior doors. For units with a White prefinished interior, White finish hinges are standard. Also available in factory-applied finishes that coordinate with hardware. Other factory-applied finishes are available.



#### 1 High-Performance™ Glass



See below for details.

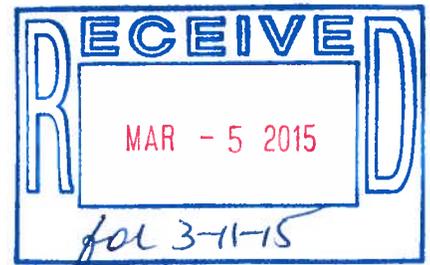
##### Hardware

##### Five-Point Locking System

On active/passive door configurations, a five-point lock features stainless steel latches that engage into the sill, head jamb and passive panel for added security and performance.

Optional corrosion-resistant locking mechanism, constructed from 300 Series stainless steel, is available and recommended for applications within two miles of the coast and for other harsh environments.

HR15-06



### COMMON FEATURES

#### High-Performance™ Glass



3/8" (19) impact-resistant glass construction provides industry-leading energy performance, sound control and added security.

Panels are silicone bed glazed and finished with an interior wood glass stop.

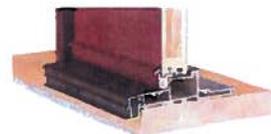
Interior wood glass stops are secured using 1 1/2" (38) 16-gauge crown staples instead of nails. Silicone is also applied to the full perimeter of the glass on the interior side of the pane to add strength and stability.

Consult local building codes for glass most suitable to your area. High-Performance™ glass options include:

- High-Performance™ Low-E4® standard tempered glass (PG Upgrade)
- High-Performance™ Low-E4® Sun standard tempered glass\*\* (PG Upgrade)

- High-Performance™ Low-E4® SmartSun™ standard tempered glass (PG Upgrade)
- High-Performance™ Low-E4® tempered impact-resistant glass
- High-Performance™ Low-E4® Sun tempered impact-resistant glass\*\*
- High-Performance™ Low-E4® SmartSun™ tempered impact-resistant glass
- Impact-resistant Monolithic Clear glass
- Impact-resistant Monolithic Gray glass\*\*

#### Drop-Nose Sill Attachment



Patent-pending drop-nose sill provides enhanced water performance without increasing interior sill height. See pages 104 and 111 for details.

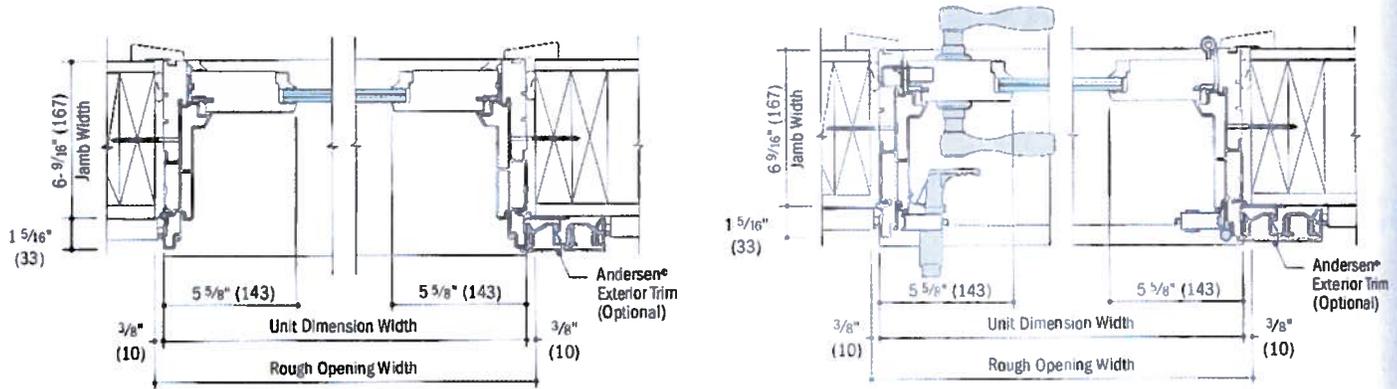
\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) or contact your Andersen supplier for details on the A-Series Limited Warranty.

\*\*High-Performance™ Low-E4® Sun impact-resistant glass and impact-resistant Monolithic Gray glass each satisfy Florida Turtle Code.

Dimensions in parentheses are in millimeters.

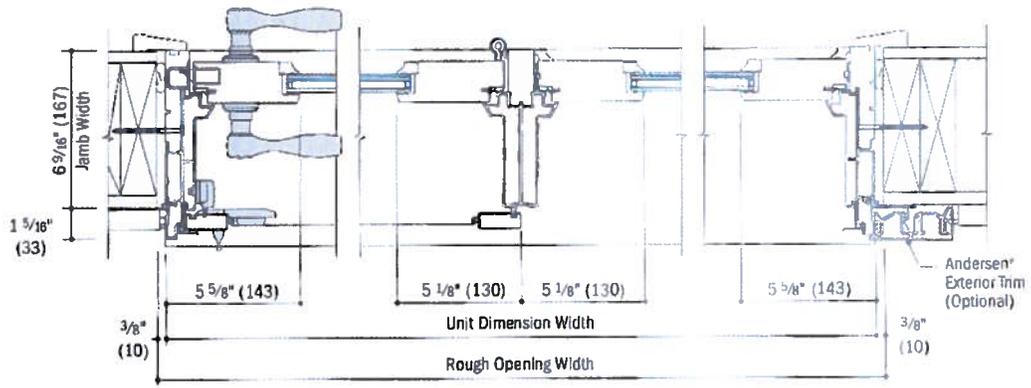
# Frenchwood® Hinged Inswing Patio Door Details

Scale 1 1/2" = 1'-0" (1:8)

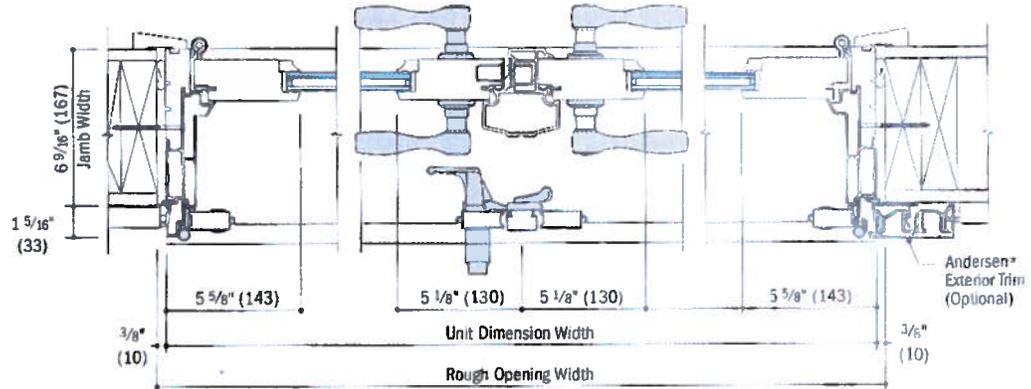


**Horizontal Section – Single Panel Stationary (S)**  
Monolithic Impact-Resistant Glass

**Horizontal Section – Single Panel Active (AR)**  
Hinged Insect Screen (AL/AR)  
Monolithic Impact Resistant Glass



**Horizontal Section – Two Panel Active-Stationary (ASR)**  
Gliding (top-hung or roller) Insect Screen (ASR/ASL/SAL/SAR/SS)  
High-Performance™ Low-E4™ Impact-Resistant Glass

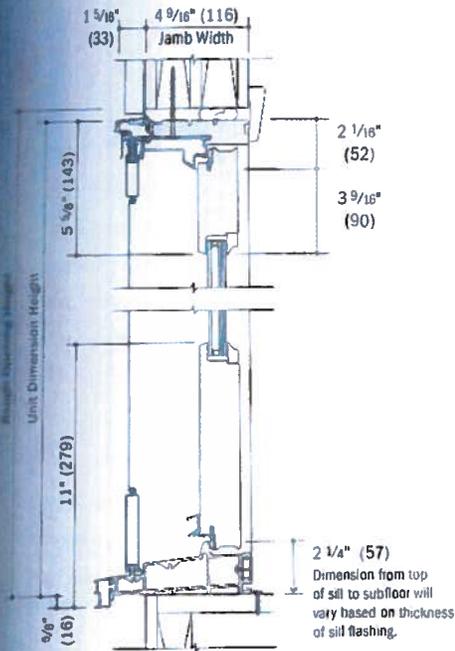


**Horizontal Section – Two Panel Passive (APLR)**  
Hinged Insect Screen with Astragal (APLR/PAI/R)  
High-Performance™ Low-E4™ Impact-Resistant Glass

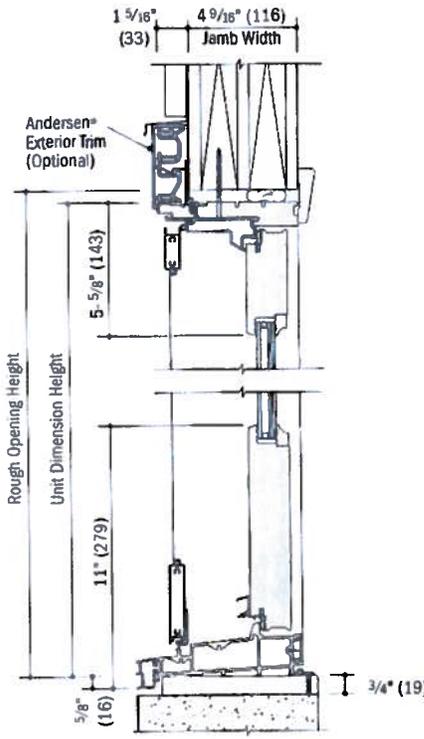
- 4 3/16" and 6 9/16" jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Rough Opening Height

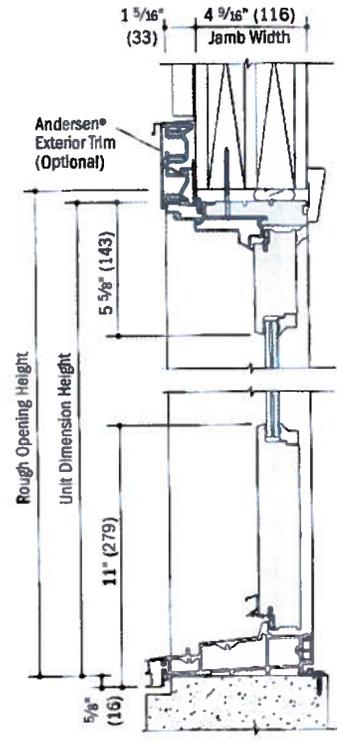
**Frenchwood® Hinged Inswing Patio Door Details**  
Scale 1 1/2" = 1'-0" (1:8)



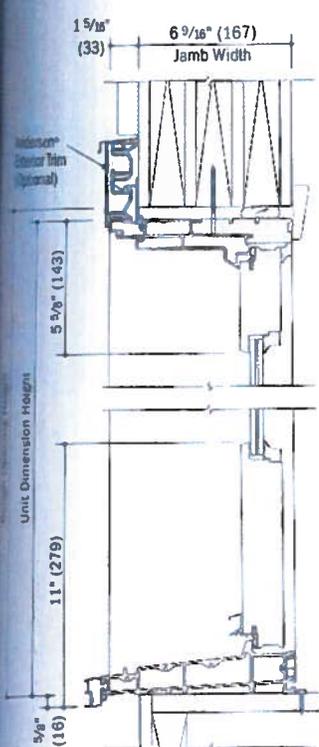
**Vertical Section - Active**  
Gliding (roller) Insect Screen  
High-Performance™ Low-E4® Impact-Resistant Glass



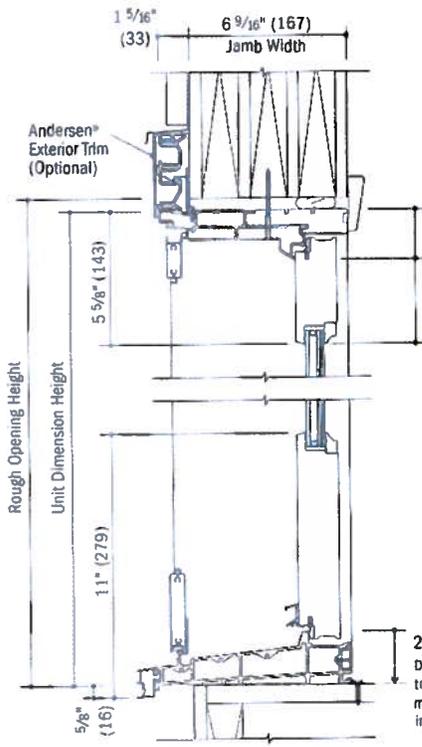
**Vertical Section - Active**  
Hinged Insect Screen  
High-Performance™ Low-E4® Impact-Resistant Glass



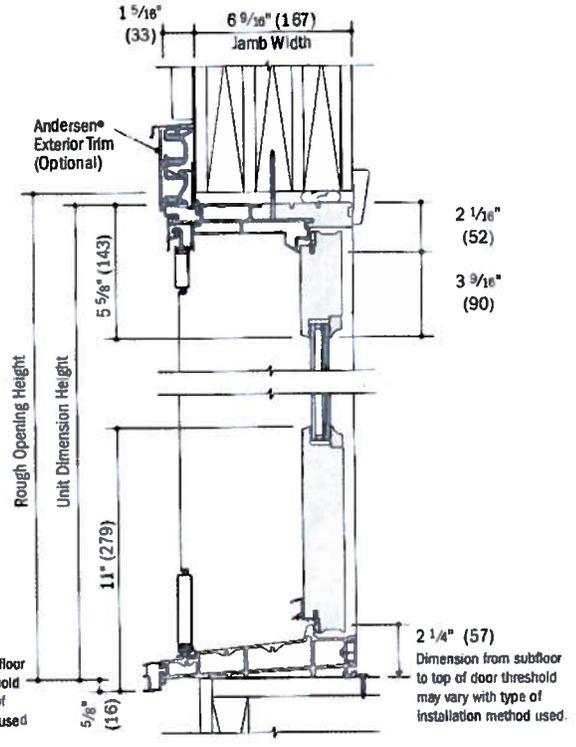
**Vertical Section - Stationary**  
Monolithic Impact-Resistant Glass



**Vertical Section - Stationary**  
Monolithic Impact-Resistant Glass



**Vertical Section - Active**  
Hinged Insect Screen  
High-Performance™ Low-E4® Impact Resistant Glass



**Vertical Section - Active**  
Gliding (top-hung) Insect Screen  
High-Performance™ Low-E4® Impact-Resistant Glass

A-Series  
Frenchwood® Hinged  
Inswing Patio Doors

See pages 123-126 for horizontal and vertical joining details.

- 4 9/16" and 6 9/16" jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



# UNEQUALED PERFORMANCE

## A-SERIES PRODUCTS WITH STORMWATCH® PROTECTION

Windborne debris. Hurricane-force winds. Strict coastal building codes. A-Series products with Stormwatch® protection offer options that can deliver the performance, low maintenance and energy efficiency you need.

### OUR BEST-PERFORMING WINDOWS AND DOORS

A-Series products with Stormwatch® protection feature the following ratings\*

Windows	PG70 (DP70)
Gliding Patio Doors	PG70 (DP70)
Hinged Patio Doors	PG65 (DP65)

In addition, they're designed to satisfy\*\*

- Large missile impact test ASTM/E1886/E1996
- Miami-Dade TAS 201, 202, 203
- AAMA/WDMA/CSA 101/I.S.2 A440-08

\*Ratings vary by product line and unit size. See the performance section for specific unit performance.

For up-to-date performance values, visit [andersenwindows.com](http://andersenwindows.com).

\*\*See your local code official for building code requirements in your area.

†Hardware excluded.

‡Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) or contact your Andersen supplier for details on the A-Series Limited Warranty.

UP TO  
**PG70**  
PERFORMANCE

### A BETTER COASTAL WARRANTY

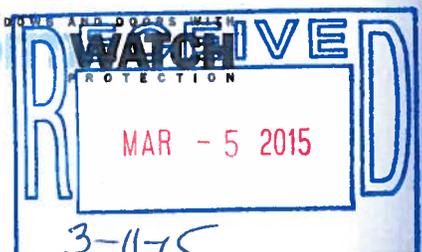
Unlike most other windows that need to be washed or waxed regularly to keep the warranty valid, A-Series products with Stormwatch® protection are warranted against corrosion for the life of the products, with no washing or waxing required.††

Additionally, our renowned Owner-2-Owner® limited warranty is fully transferrable and not prorated, making it one of the best coverage plans available — which means it can add resale value for your customers. It's also supported by the industry's largest service network.



WINDOWS AND DOORS WITH  
**Stormwatch**  
PROTECTION

HR1506



**ENERGY-SAVING GLASS AND DESIGN**

Our standard glass helps protect against unwanted solar heat and minimizes energy bills.†† Many A-Series windows and doors with Stormwatch® protection meet ENERGY STAR® Version 5.0 criteria in all 50 states and can help homeowners save hundreds of dollars on heating and air conditioning every year.\*

Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) for more information.



**RIGOROUSLY TESTED**

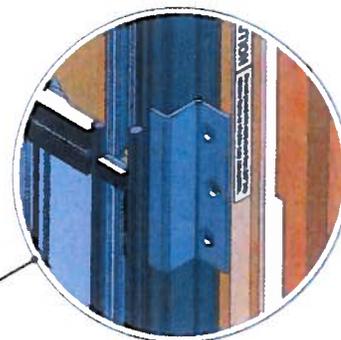
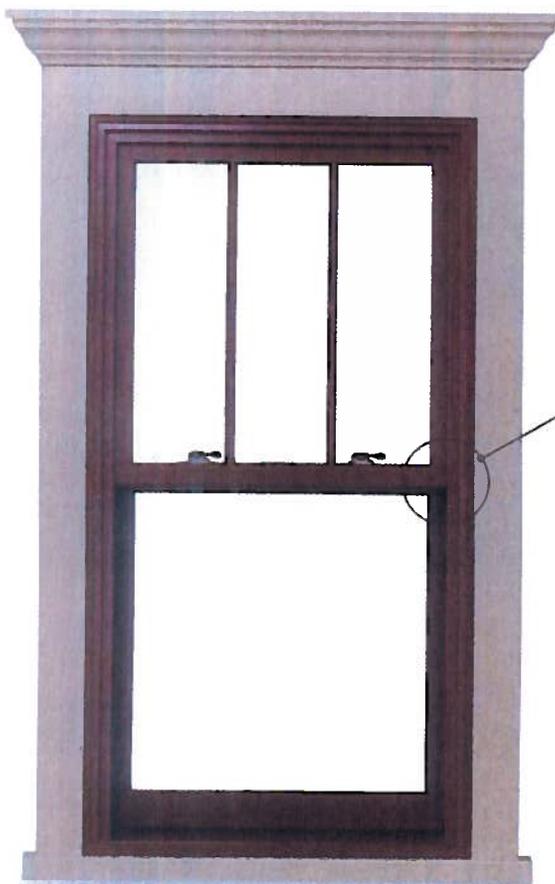
A-Series products with Stormwatch® protection have withstood testing that has taken them from temperatures as cold as Alaskan winters to the heat of Death Valley summers. They've stood up to hurricane-force winds and prolonged exposure to sea air. To see testing videos, visit [andersenwindows.com/coastal](http://andersenwindows.com/coastal).

**VIRTUALLY MAINTENANCE-FREE EXTERIORS**

Exteriors of A-Series windows and doors never need painting. They won't flake, rot, blister, peel, pit or corrode.\*\* Plus they're warranted against corrosion for the life of the products, with no washing or waxing required.\*\*†

**GET ONLY THE UPGRADES YOU NEED**

Some codes don't require impact-resistant glass. For these situations, Performance Grade (PG) upgrades are available for many standard A-Series products. Options are listed in each product section. Also, see your dealer for more details.



**NO EXPOSED BRACKETS**

Hidden structural brackets mean no visible reinforcements are necessary to meet coastal product performance requirements and provide 24/7 protection from storms when homeowners are away.

**BUILT STRONG**

We use solid wood in interior door panels and window sash and frames, plus fiberglass on outer door frames and window sash exteriors, to provide an unmatched combination of strength, insulation, versatility and beauty. Additionally, our Fibrex® composite material used in window frames and trim components delivers twice the strength and rigidity of vinyl.



**WATER MANAGEMENT THAT WORKS**

These features work together to direct water away from buildings:

- Hermetically sealed corner keys that keep frames tight
- Sloped sill on double-hung windows
- Sill on patio doors channels water away from the home
- Innovative trim attachment flange secures trim independent of the window or door's water management system

**SEALS OUT THE WEATHER**

Weather-resistant seals stand up to eight inches of rain per hour and hurricane-force winds!† Double-hung windows feature a dual-bulb seal, and casement windows use refrigerator-type gaskets to help keep air and water out.

\*Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) to verify that the product and glass meet ENERGY STAR® requirements in your area.

\*\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) or contact your Andersen supplier for details on the A-Series Limited Warranty.

†Hardware excluded.

†† Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 PG70.

## FEATURES

### CASEMENT & AWNING

#### Frame

**A** Frame constructed with a wood core and a Fibrex® composite exterior material. This construction produces a rigid frame and a low-maintenance durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See page 23 for details.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

**C** The weatherstripping system combines an exterior watershed design and a foam weatherstrip seal between the sash and frame, providing a long-lasting, energy-efficient barrier against wind, water and dust.

**D** A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

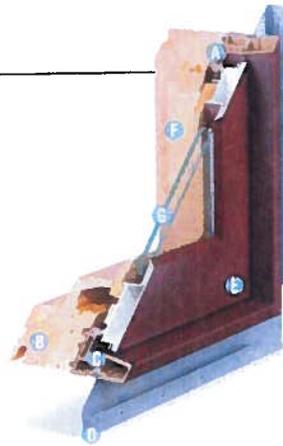
#### Sash

**E** Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on casement window aligns with double-hung and picture windows for common sight lines

**F** Natural wood interiors are treated with a water-repellent preservative for long-lasting\* protection and performance. Interior stops are fastened using a nailless compression fit system so there are no nail holes to fill. Stops are available prefinished.



### **G** High-Performance™ Glass



See page 23 for details.

#### Hardware

Smooth operation provided by a worm gear drive design makes opening and closing almost effortless regardless of unit size. Also available with an optional split-arm operator that moves the sash away from the frame for easier glass cleaning (not available on all sizes).



Single-action lock easily releases all locking points on casement sash while the reach-out action eliminates binding when closing. The lock bezel and handle are offered in finishes that coordinate with your specified hardware style.

Awning windows feature dual sash locks. Hardware style and finish options are compatible with Andersen® casement windows to ensure consistency in appearance when used in combination designs.

### DOUBLE-HUNG

#### Frame

**A** Frame constructed with a wood core and a Fibrex® composite exterior material. This construction produces a rigid frame and a low-maintenance durable exterior.

Factory-applied installation clips are standard for anchoring to the building. See page 23 for details.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

**C** The dual weatherstripping system utilizes a double foam-filled design that creates a pressure equalization chamber, knocking down driving rain and delivering a long-lasting, energy-efficient barrier against wind, water and dust.

**D** Traditional sloped sill design.

**E** For units with White exterior, exterior jamb liner is White. For all other exterior colors, the exterior jamb liner is Sandtone.

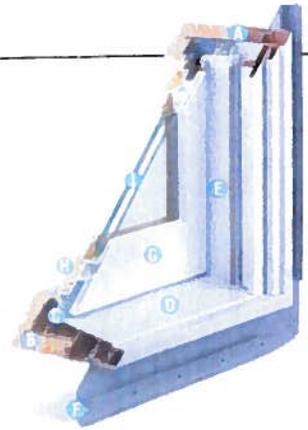
**F** A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen exterior trim surrounds to be applied in seconds after window installation.

#### Sash

**G** Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on double-hung window aligns with casement and picture windows for common sight lines



**H** Natural wood interiors are treated with a water-repellent preservative for long-lasting protection and performance.

### Cottage-Style Units Also Available



Cottage Style



Reverse Cottage Style

### **I** High-Performance™ Glass



See page 23 for details.

#### Hardware



Dual locks with traditional spoon and keeper lock design have an easy *Tilt to Clean* feature integrated into the lock.

\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) or contact your Andersen supplier for details on the A-Series Limited Warranty.

Dimensions in parentheses are in millimeters.

“Flexacron” is a registered trademark of PPG Industries, Inc.

### Double-Hung Window Opening and Area Specifications (continued)

Window Number	Clear Opening In Full Open Position			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
	Clear Opening Sq. Ft./ (m <sup>2</sup> )	Width Inches/ (mm)	Height Inches/ (mm)				
AW1170-0	8.55 (0.79)	35 1/16" (894)	35 (889)	15.76 (1.46)	8.74 (0.81)	• •	21.60 (2.01)
AW1170-1	9.53 (0.89)	35 1/16" (894)	39 (991)	17.57 (1.63)	9.72 (0.90)	• •	23.78 (2.21)
AW1210-0	3.53 (0.33)	39 1/16" (996)	13 (330)	6.51 (0.60)	3.76 (0.36)	48 1/8" (1242)	10.59 (0.98)
AW1210-1	4.08 (0.38)	39 1/16" (996)	15 (380)	7.52 (0.70)	4.31 (0.40)	44 1/8" (1140)	11.79 (1.10)
AW1210-2	4.62 (0.43)	39 1/16" (996)	17 (431)	8.54 (0.79)	4.85 (0.45)	40 1/8" (1039)	12.99 (1.21)
AW1210-3	5.17 (0.48)	39 1/16" (996)	19 (482)	9.56 (0.89)	5.40 (0.50)	36 1/8" (937)	14.19 (1.32)
AW1210-4	5.71 (0.53)	39 1/16" (996)	21 (533)	10.57 (0.98)	5.94 (0.55)	32 1/8" (836)	15.39 (1.43)
AW1210-5	6.25 (0.58)	39 1/16" (996)	23 (584)	11.59 (1.08)	6.48 (0.60)	28 1/8" (734)	16.59 (1.54)
AW1210-6	6.80 (0.63)	39 1/16" (996)	25 (634)	12.61 (1.17)	7.03 (0.65)	24 1/8" (632)	17.80 (1.65)
AW1210-7	7.34 (0.68)	39 1/16" (996)	27 (685)	13.62 (1.27)	7.57 (0.70)	20 1/8" (531)	19.00 (1.76)
AW1210-8	7.89 (0.73)	39 1/16" (996)	29 (736)	14.64 (1.36)	8.12 (0.75)	16 1/8" (429)	20.20 (1.88)
AW1210-9	8.43 (0.78)	39 1/16" (996)	31 (787)	15.66 (1.45)	8.66 (0.80)	12 1/8" (328)	21.40 (1.99)
AW1210-10	8.98 (0.83)	39 1/16" (996)	33 (838)	16.67 (1.55)	9.19 (0.85)	8 1/8" (226)	22.60 (2.10)
AW1210-11	3.89 (0.36)	43 1/16" (1097)	13 (330)	7.22 (0.67)	4.15 (0.39)	48 1/8" (1242)	11.57 (1.07)
AW1210-12	4.49 (0.42)	43 1/16" (1097)	15 (380)	8.35 (0.78)	4.75 (0.44)	44 1/8" (1140)	12.88 (1.20)
AW1210-13	5.09 (0.47)	43 1/16" (1097)	17 (431)	9.47 (0.88)	5.35 (0.50)	40 1/8" (1039)	14.19 (1.32)
AW1210-14	5.69 (0.53)	43 1/16" (1097)	19 (482)	10.60 (0.98)	5.95 (0.55)	36 1/8" (937)	15.50 (1.44)
AW1210-15	6.29 (0.58)	43 1/16" (1097)	21 (533)	11.73 (1.09)	6.55 (0.61)	32 1/8" (836)	16.82 (1.56)
AW1210-16	6.89 (0.64)	43 1/16" (1097)	23 (584)	12.86 (1.19)	7.15 (0.66)	28 1/8" (734)	18.13 (1.68)
AW1210-17	7.49 (0.70)	43 1/16" (1097)	25 (634)	13.99 (1.30)	7.75 (0.72)	24 1/8" (632)	19.44 (1.81)
AW1210-18	8.09 (0.75)	43 1/16" (1097)	27 (685)	15.11 (1.40)	8.35 (0.78)	20 1/8" (531)	20.75 (1.93)
AW1210-19	8.69 (0.81)	43 1/16" (1097)	29 (736)	16.24 (1.51)	8.95 (0.83)	16 1/8" (429)	22.07 (2.05)
AW1210-20	9.29 (0.86)	43 1/16" (1097)	31 (787)	17.37 (1.61)	9.55 (0.89)	12 1/8" (328)	23.38 (2.17)

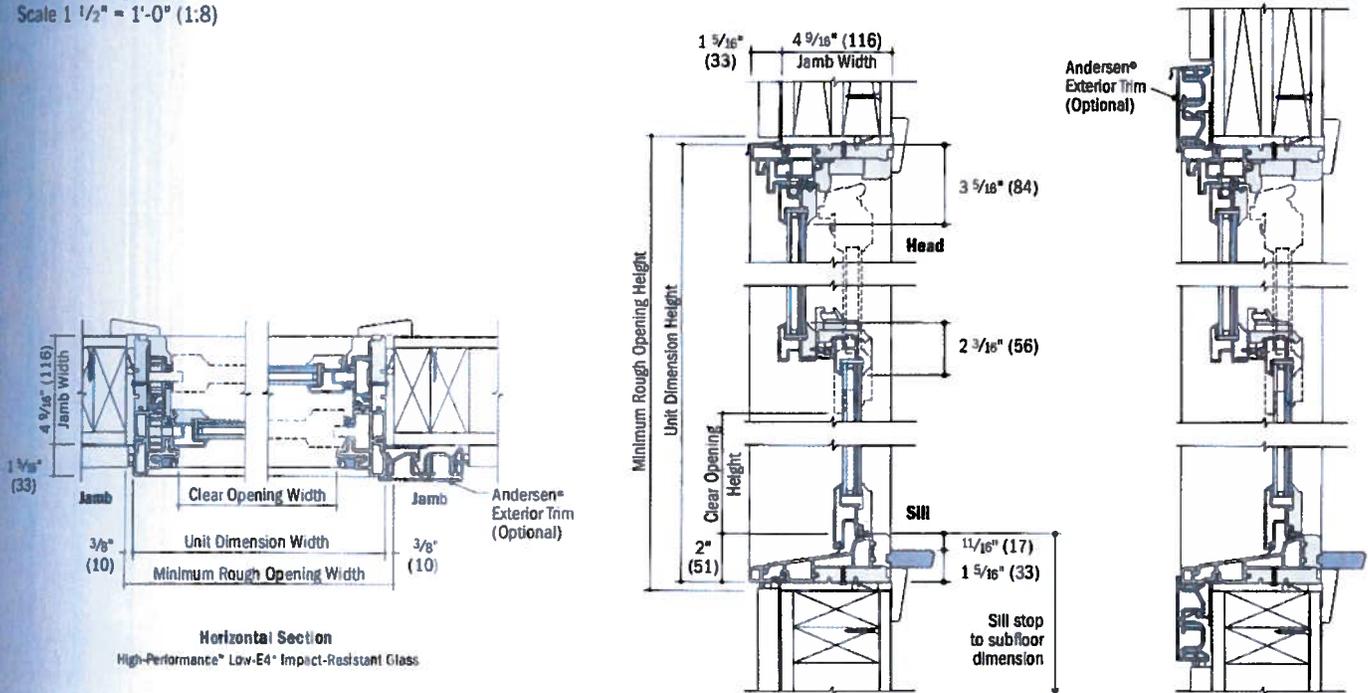
For cottage and reverse cottage window opening specifications contact your local Andersen supplier.

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2".
- Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24".
- \* Dimension varies depending on header height.

A-Series Double-Hung Windows

### Double-Hung Window Details

Scale 1 1/2" = 1'-0" (1:8)



See pages 49-51 for horizontal and vertical joining details.

- 4 9/16" jamb width measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 217.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.