# Historic Preservation Commission Staff Report

Meeting Date: January 12, 2021 Case #: HPC-03-22

Site Address:	21 Pinehurst Drive
Parcel ID:	31-06-23-2-005-006.000
Applicant:	Jay Young
Owner:	Will Hewson
Proposed Work:	Petition for a Certificate of Appropriateness for a material and design change to one window.
Current Zoning:	R-1H
Historic District:	Pinehurst
Architectural Style:	Cottage
Year Built:	1952
Contributing:	No
Historic Survey:	Pinehurst Historic District

One story cottage, gable roof, pedimented portico.

# **DESCRIPTION OF PROPOSED PROJECT:**

The petitioner is proposing to remove an existing glass block window and replace it with a direct-set aluminum clad transom window located on the East side of the structure.

### **STAFF ANALYSIS:**

Per the Design Guidelines, aluminum clad is an appropriate window material.

The original number and location of windows will be maintained, however, the size will be decreased slightly and there is a change in design.

# **APPLICABLE DESIGN GUIDELINES:**

### <u>Windows</u>

- Maintain the original number, location, size, and glazing pattern of windows on primary building elevations.
- Maintain historic window openings and proportions.
- Permanently affixed internal and external muntins should be employed where appropriate

### Examples of Appropriate Window Materials: Examples of Inappropriate Window

- Wood sash windows in doublehung, single-hung, and casement styles
- Aluminum-clad wood
- Fiberglass (Pella, Marvin, or equal) that mimics wood
- Steel, if original to the structure
- Composite material with wood sash, frame, and glides
- Cellular PVC material (All-Season or equal) that mimics wood
- Monarch M-Cell vinyl-clad window, Hurd vinyl-clad window, or equal that mimics wood

### Examples of Inappropriate Window Materials:

- Aluminum or vinyl
- Snap-in or artificial muntins
- Reflective or tinted glass



#### HISTORIC PRESERVATION COMMISSION

# CERTIFICATE OF APPROPRIATENESS

APPLICATION

Last Updated, April 2021

Please complete all of the following required fields:

	Property	alay 10 an
Address of premises affected: 21 PI	NEHURST DR	Historic District: Pinehurst
Owner Occupied 📃 🛛	Renter Occupied 🛛	
Name: WILL HEWSON	<b>Owner</b> Phone: 210-488-6796	Email: <u>WTHEWSON@YAHOO.COM</u>
Address: 21 PINEHURST DRIVE, TU	SCALOOSA, AL 35401	
Name: JAY YOUNG	Applicant ( <i>if different from owner</i> ) Phone: 205-366-0807	Email: <u>JAY@TOULMINKB.COM</u>
Name: TOULMIN KITCHEN & BATH	Contractor or Architect Phone: 205-366-0807	Email: <u>SALES@TOULMINKB.COM</u>
Check the box that best describes	s your intended action(s) & include all es	timated costs: \$ 6000.00
<ul><li>Exterior Alteration</li><li>Addition or New Constr</li><li>Signage</li></ul>		ease explain):

#### Certification of Applicant

I hereby certify that I have read and examined this application and known the same to be true and correct. I understand that consideration of this application is based upon the correctness of the information I have supplied and that any permit (s) granted may be revoked upon finding by the Tuscaloosa Historic Preservation Commission that any relevant information supplied on or with the application is substantially incorrect. I further understand that only complete applications including all required exhibits, and fees are considered by the commission and must be received by the City of Tuscaloosa Office of Urban Development, Planning Division by the scheduled deadline in order to be placed on the agenda.

It is my understanding that a Certificate of Appropriateness shall become void unless construction is commenced within six (6) months of the date of issuance. Certificates of Appropriateness shall be issued for a period of eighteen (18) months and are renewable. It is my understanding that a building permit issued by the City of Tuscaloosa Office of Urban Development, Planning Division is required for all applicable works being done in historic districts.

Finally, it is my understanding that the plans submitted with this application and approved by the Commission are *final*, and, pending Commission approval, I am bound to follow the plans as approved. Should there be any changes to the approved plans, I understand that those changes must be reviewed prior to any work associated with such changes occurring.

Applicant

Date: 12/22/2021

 PLEASE SUBMIT AN ELECTRONIC COPY OF THIS AND ANY NECESSARY SUPPORTING MATERIALS TO:

 Office of Urban Development:
 2201 University Boulevard, Annex III, 3<sup>rd</sup> FL
 Email: hpc@tuscaloosa.com

 Planning Division
 Tuscaloosa, AL 35401

### Please review the following information prior to application submission:

#### 2021 Meeting Dates & Deadlines:

DEADLINE (by 12 pm)	Meeting Date
December 16, 2020	January 13, 2021
January 20, 2021	February 10, 2021
February 17, 2021	March 10, 2021
March 17, 2021	April 14, 2021
April 21, 2021	May 12, 2021
May 19, 2021	June 9, 2021
June 16, 2021	July 14, 2021
July 21, 2021	August 11, 2021
August 18, 2021	September 8, 2021
September 15, 2021	October 13, 2021
October 20, 2021	November 10, 2021
November 17, 2021	December 8, 2021

### Fee Schedule:

Repair / Remodeling of Existing Building(s)	\$50.00
New Construction or Addition(s)	\$50.00
Demolition(s)	\$50.00
Sign(s)	\$25.00
Certificate of Economic Hardship	No Fee
Minor Works or Routine Maintenance	No Fee

#### **RECOMMENDED Application Materials:**

#### **Graphic Exhibits:**

Three-dimensional drawings (perspective, isometrics), though not generally required, are recommended for additional clarity.

The Commission may require other drawings, illustrations, descriptions, and/or specifications, as required on a case-by-case basis when the Commission considers such additional information necessary to make an informed decision.

#### **REQUIRED Application Materials:**

#### New Construction, Alterations, or Additions:

Dimensioned site plans: showing all buildings, additions, drives, sidewalks, fences, exterior lighting, large trees, landscaping, and other site work locations, drawn to scale no less than  $1^{"} = 10'-0"$ .

- (1) Existing Conditions
- (2) Proposed Conditions

Dimensioned exterior elevations: including sufficient detail, both graphic and written, to describe all exterior design features and materials, drawn to scale no less than  $\frac{1}{2}$  = 10'-0".

- (1) Existing Conditions
- (2) Proposed Conditions

List of all materials to be utilized and samples or brochures of materials for proposed building or addition, including any site furnishings.

Where scale or massing of alteration is a concern, include elevations of neighboring buildings.

#### Signage:

Drawings and/or photographs of the sign.

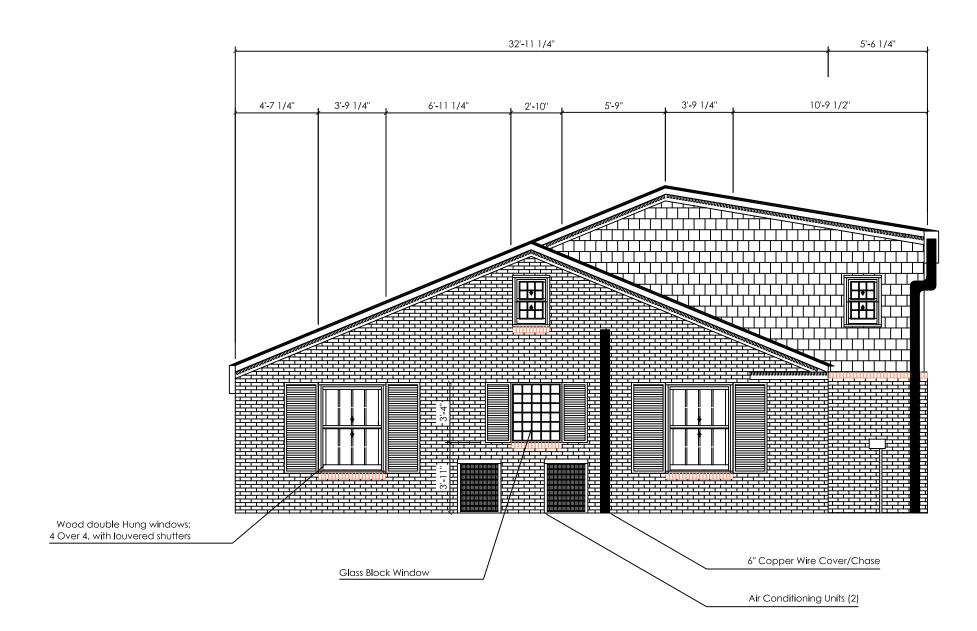
For freestanding signs, a site plan showing proposed location. If a sign is four feet (4') or taller, an engineered drawing will be required for submittal.

#### Landscaping & Parking:

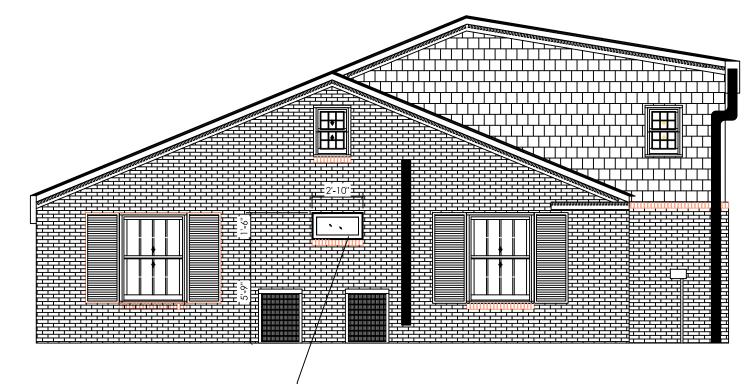
Dimensioned plans drawn to scale no less than 1'' = 10'-0''.

For parking, indicate the percentage (%) of the yard from the rear face of the house to the rear property line that will be occupied by parking. In cases where the area is over 500 square feet, the application and site plan will be reviewed by the Office of the City Engineer for runoff and storm water concerns.

List of all materials to be utilized.



Residence of Will & Alison Hewson Existing Structure 21 Pinehurst Drive, Tuscaloosa, AL 35401 scale  $\frac{3}{16}$ " = 1'-0"



Proposed exterior alteration: Removal of existing glass block window, to be replaced with a direct-set aluminum clad transom window.

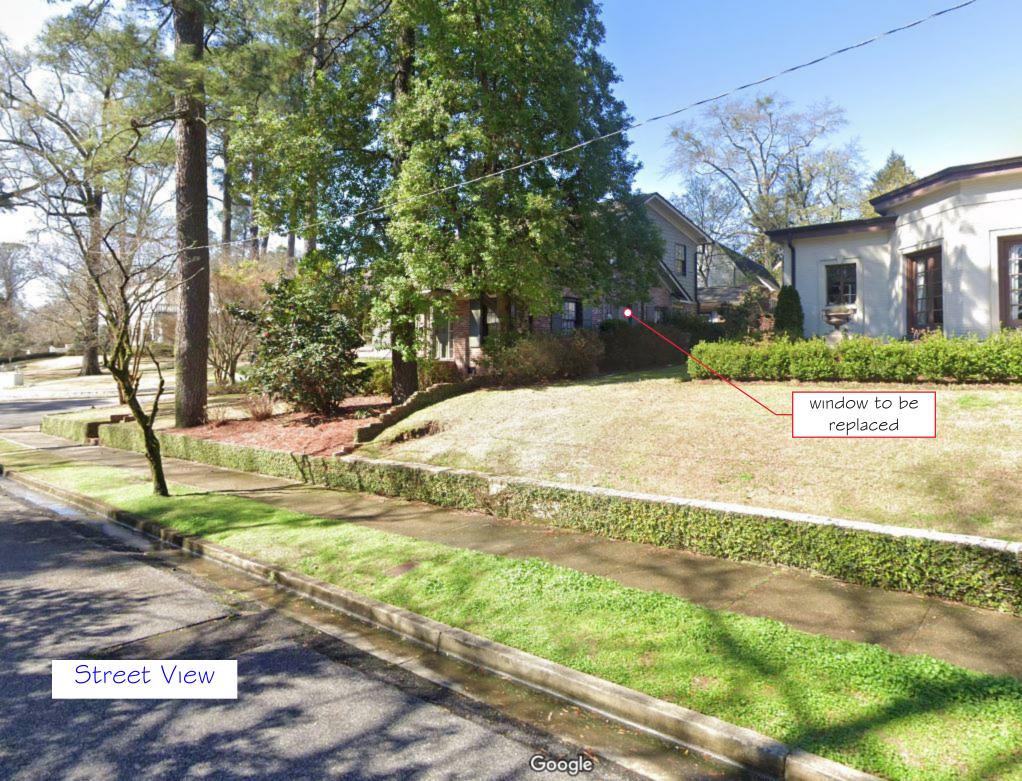
Residence of Will & Alison Hewson Proposed Alterations 21 Pinehurst Drive, Tuscaloosa, AL 35401 scale: 317 = 1'-0"

Remmert & Company

12/17/2021 8:35:59 AM

194       34 X 18 DIRECT SET       Image: Construction of the second of the sec	ine Label	,	UOM	Quantity	Unit Price	Extended Price
<ul> <li>INIT - Heritage Rectangle CS/AW Transom - Complete Unit, Match Crank Out Profile, Direct Set Frame, Profile: DS, Stop Profile: Beveled</li> <li>SLASS: Obscure / Opaque Glass: Pattern (Obscure), Glass Preserve / Neath Geating: No Preserve or Neath Coating</li> <li>ASING-JAMBS-TRIM: Standard Brickmould, Standard Sill Nosing, Apply Exterior Casing/Accessories, 4 9/16"</li> <li>ambs, Offset Jambs: All Sides Offset, Jambs Applied, 6 5/16" Clips</li> <li>PECIES-FINISH-COLOR: Leave All Pine, Exterior Frame Finish: K-Kron2, Exterior Frame Color: Rustic, Exterior Rasing/Accessories Color: Rustic, KP2 Primed Interior Frame, Standard Fingerjoints</li> <li>AX 18 DIRECT SET</li> <li>INT - Ultra Rectangle CS/AW Transom - Complete Unit, Match Crank Out Profile, Beveled Direct Set Frame, rofile: UCBDS706, Stop Profile: Beveled</li> <li>NIT - Ultra Rectangle CS/AW Transom - Complete Unit, Match Crank Out Profile, Beveled Direct Set Frame, rofile: UCBDS706, Stop Profile: Beveled</li> <li>NIT - Ultra Rectangle CS/AW Transom - Complete Unit, Match Crank Out Profile, Beveled Direct Set Frame, rofile: UCBDS706, Stop Profile: Beveled</li> <li>ASSING-JAMBS-TRIM: 2" Standard Brickmould (B820/BU919) , Casing Placement: Head and Sides, Standard Brickmould (B820/BU919) , Casing Placement: Head and Sides, Standard Brider, Jambs, Applied, 6 5/16" Clips</li> <li>PECIES-FINISH-COLOR: Leave All Pine, Exterior Frame Finish: 70% Fluoropolymer, Exterior Casing Finish: 20% Fluoropolymer, Exterior Frame Finish: 70% Fluoropolymer, Exterior Casing Finish: 20% X 16 19/32" X 16 19/32" X 16 19/32" X 16 13/32" Unit Dimension: 31 3/8" X 16 3/32" Unit Dimension</li></ul>	34 X 18 DIRECT SET	N000	EA	(1)	\$1,133.81	\$1,133.81
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# Ultra Series Product Catalog





# ULTRA SERIES OVERVIEW

### FUNCTIONALITY & PERFORMANCE

The Ultra Series is Kolbe's line of extruded aluminum clad wood windows and doors. This series offers a variety of exterior finishes, interior options and performance modifications.

Create a unique exterior trim coupled with an anodized finish to give dazzling appeal to a unit. Or, enhance the view with custom divided lite designs or a geometric shape. Almost anything is possible, allowing you to create and customize the look and design that fits your ideas while still having the quality workmanship and attention to detail that Kolbe<sup>®</sup> is known for.

### COMMITMENT TO QUALITY

Kolbe is truly committed to providing the highest quality windows and doors. By associating with the NFRC, Window and Door Manufacturers' Association Hallmark Certification Program and the ENERGY STAR<sup>®</sup> Program, Kolbe products are built to meet the diverse and expanding needs of residential and commercial projects. Rest assured that Kolbe products are tested in an unbiased manner by independent laboratories and that test data is available to the public. See Energy Performance Data on pg. 202.

### SUSTAINABLE DESIGN

Ultra Series products can help contribute to meeting criteria for voluntary green building rating systems in the following categories:



#### Sustainability & Durability

Kolbe products are tested for air and water infiltration, as well as structural and impact performance to ensure you will have a certified product to meet your building's design criteria

#### MATERIALS AND RESOURCES

- Most of the components used in our products are sourced from within 500 miles of our factory
- Pine and other wood species are renewable resources and sourced from managed forests
- Kolbe has achieved Forest Stewardship Council (FSC) Chain-of-Custody certification, as have many of our distributors, and can provide FSC-certified wood for many window and door products



- Standard glass used in our products contains 25-30% pre-consumer recycled content
- Extruded aluminum billet consists of 50-75% recycled material

#### Indoor Environmental Quality

- Kolbe uses a fully encapsulated process in which volatile organic compounds (VOCs) are destroyed when applying wood preservative and 70% PVDF fluoropolymer exterior finish
- Interior paints and stains are water-based, low-VOC products and having your windows and doors factoryfinished saves you the hassle of field-finishing, clean-up and disposal
- ➤ BetterVue<sup>®</sup> fiberglass screen mesh has attained GREENGUARD<sup>®</sup> certification

#### ENERGY PERFORMANCE



Units meet or exceed ENERGY STAR<sup>®</sup> requirements for all climate zones in the United States<sup>\*</sup>

\*For more information on ENERGY STAR and energy and performance data for Ultra Series windows, refer to pages 202-203.





For further details about how Kolbe products can contribute to sustainable green design, ask your local Kolbe dealer for a copy of the Green Initiatives brochure, or visit our website at www.kolbe-kolbe.com.

# EXTERIOR FINISH OPTIONS

### ALUMINUM CLADDING

Ultra Series products are finished with a 70% PVDF fluoropolymer coating that meets the performance requirements of American Architectural Manufacturer's Association (AAMA) 2605-05. For the most demanding situations, this coating is the best choice for durability and resistance to chemicals, abrasion, corrosion and weathering. It carries up to a 30-year warranty, which proves Kolbe's commitment to providing the very best. Ultra Series clad products are available in 14 standard colors and 18 specialty colors, with custom colors available.

### 70% PVDF Fluoropolymer Finishes



10 Ultra Series

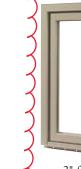
Printed images of exterior finishes may vary slightly from actual colors. Selections should be made based on actual color samples.

# OTHER OPTIONS & ACCESSORIES

### EXTERIOR TRIM OPTIONS

Ultra Series windows and doors are standard without brickmould. For a more distinctive look, numerous different extruded aluminum trim pieces are available (styles pictured below). Various sill nosings can also be applied with brickmould to enhance the overall appearance and to create the perfect look. Custom brickmoulds and casings are available as well; talk to your local Kolbe dealer for more information.





2" flat casing with traditional sill nosing



3-1/2" profiled brickmould with sill drip



3-1/2" flat casing with 1-5/8" projected sill nosing



3-1/2" flat casing with backband with 2-1/8" projected sill nosing



Ogee casing with 2-1/8" projected sill nosing



Bull nose casing with 2-1/8" projected sill nosing





Historic brickmould with 2-1/8" historic sill nosing



2" flat casing with backband with 2-1/8" projected sill nosing



Stucco casing with stucco trim sill nosing



Pavilion brickmould with 2-1/8" projected sill nosing

Note: Additional trim details are shown on pages 176-182.



# ULTRA SERIES DIRECT SETS

### BEVELED DIRECT SET

The Ultra Series Beveled Direct Set incorporates a clean, contemporary look to provide design flexibility while maximizing the view and daylight.

### STANDARD FEATURES

- > 2-3/4" overall jamb width
- Constructed of unfinished pine, with pine interior stops and wood mull casings on mulled units
- ➤ 7/8" LoE<sup>2</sup>-270 insulating glass\*
- > Glazing is direct set to the interior
- ➤ All exterior wood parts are preservative-treated
- .050" thick, 6063 extruded aluminum alloy frame is applied to the wood frame exterior of all units
- Accessory grooves are integral to the extruded frames for the easy addition of accessories
- Frame corners are mitered 45°, with internal corner keys screwed into the joints and injected with silicone sealant
- 70% PVDF fluoropolymer finish on frame exteriors (meets performance requirements of AAMA 2605-05)
- ➤ Heavy vinyl nailing fins\*\*

#### NOTES:

#### All measurements are nominal.

- \* Argon gas may not be included with units to be installed in or shipped through high altitude areas.
- \*\* Standard only on units without brickmould.



### BEVELED DIRECT SET OPTIONAL FEATURES

#### GLASS (pgs. 6-7):

- ≻ LoE<sup>2</sup>-240\*
- ➤ LoE<sup>3</sup>-366\*
- ≻ ThermaPlus LoE
- ≻ Neat®
- > Patterned-, bronze- or gray-lite
- ➤ Tempered or laminated
- > Other options standard to the industry

#### DIVIDED LITES (pgs. 8-9):

- ➤ Grilles-in-the-airspace
- Interior removable wood grilles with 7/8" or 1-1/8" bars and full surrounds
- > PDL with 5/8", 7/8", 1-1/8", 1-3/4" or 2-1/4" bars
- > Ovolo or square profile interior grille bars (pg. 9)

OTHER OPTIONS: (custom options are also available)

- > Other wood species and FSC-certified wood (pg. 11)
- ➤ Interior prefinishing (pg. 11)
- ➤ Interior casing (pg. 13)

Beveled Direct

Set profile

- Extruded aluminum accessories applied to accessory grooves on the exterior frame (pg. 12)
- Extension jambs (up to 12" applied, over 12" shipped loose for field application)
- Galvanized steel installation clips
- > Extruded aluminum drip cap (radius units; shipped for field application)

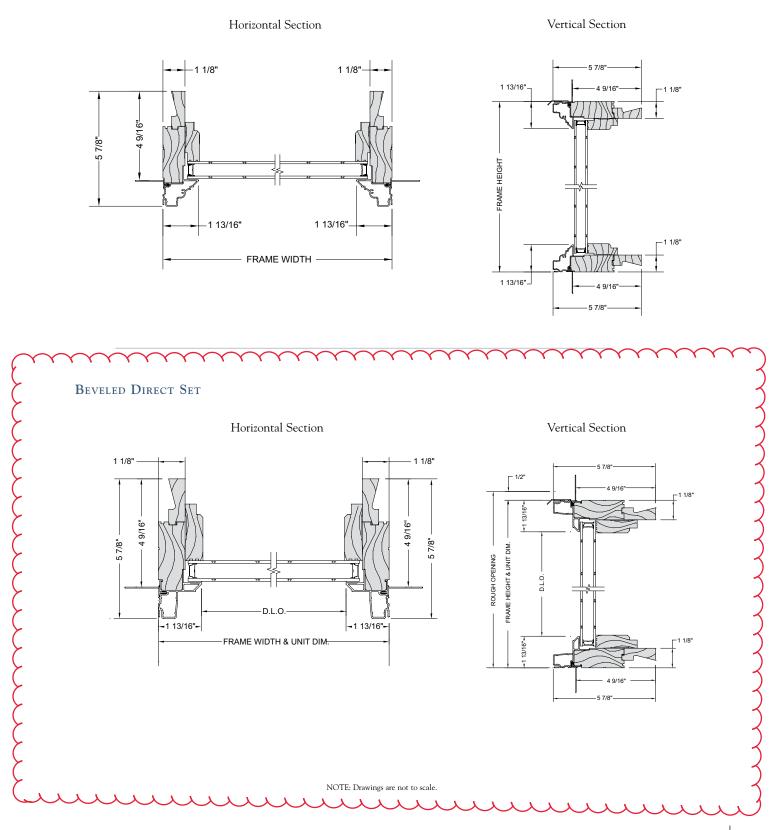
NOTES:

All measurements are nominal.

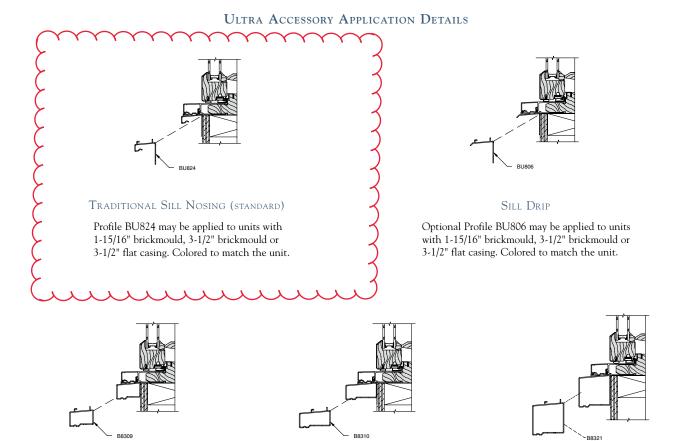
<sup>\*</sup> Argon gas may not be included with units to be installed in or shipped through high altitude areas.

# ULTRA SERIES DIRECT SETS

#### Ogee Direct Set



# ULTRA SERIES ACCESSORIES



#### 1-5/8" SILL NOSING

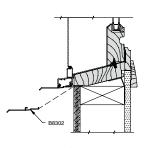
Optional Profile BU309 may be applied to units with 1-15/16" brickmould, 3-1/2" brickmould and 3-1/2" flat casing. Colored to match the unit.

#### 2-1/8" SILL NOSING

Profile B8310 is a standard application to units with backband, ogee casing and bullnose brickmould. Colored to match the unit.

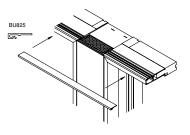
# 2-1/8" Historic Nosing

Profile B8321 is a standard application to units with historic brickmould. Colored to match the unit.



SILL EXTENDER

Optional Profile B8302 may be used with double hung and slider units only. Colored to match the unit. Field-applied only.



#### Head & Sill Trim

Profile BU825 may be used on spread mulls and stacked units without brickmould. Colored to match the unit.

NOTE: Drawings are not to scale.

# ULTRA SERIES ACCESSORIES

 CAULKING

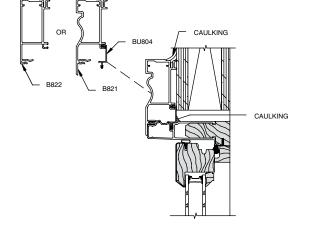
 B02

 B02

 CAULKING

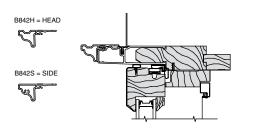
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#### ULTRA ACCESSORY APPLICATION DETAILS



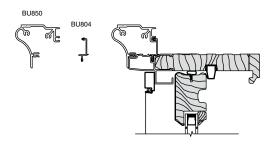
#### 3-1/2" BRICKMOULD OR FLAT CASING

Profiles B821 or B822, coupled with Profile BU804, make up the factory-applied 3-1/2" brickmould or flat casing. Colored to match the unit. No nailing fin is applied.



#### Ogee Casing

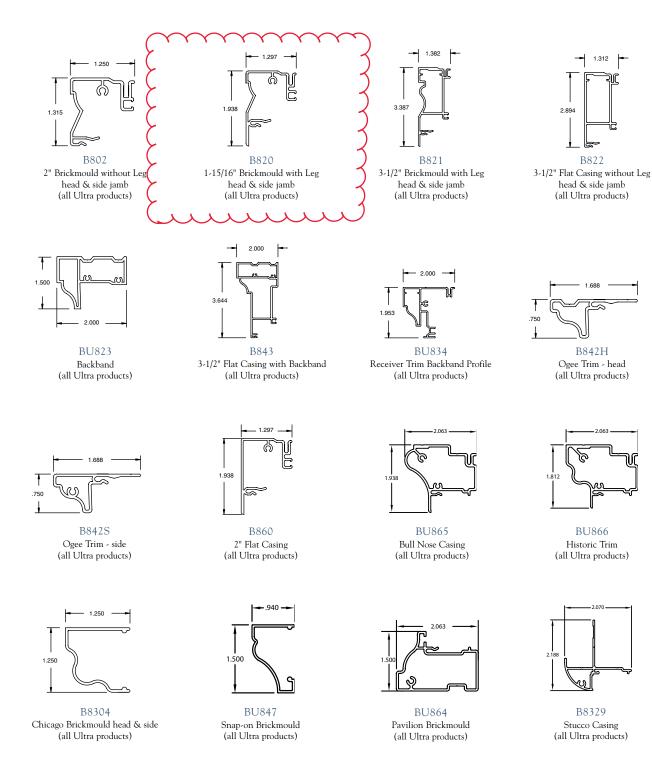
Profile B842H (head) Profile B842S (side) Ogee casing can be used on any Ultra unit as trim. Colored to match the unit. Nailing fin applied.



#### Bull Nose Brickmould

Profile BU865, used in conjunction with Profile BU804, make up the factory-applied bull nose brickmould. Colored to match the unit.

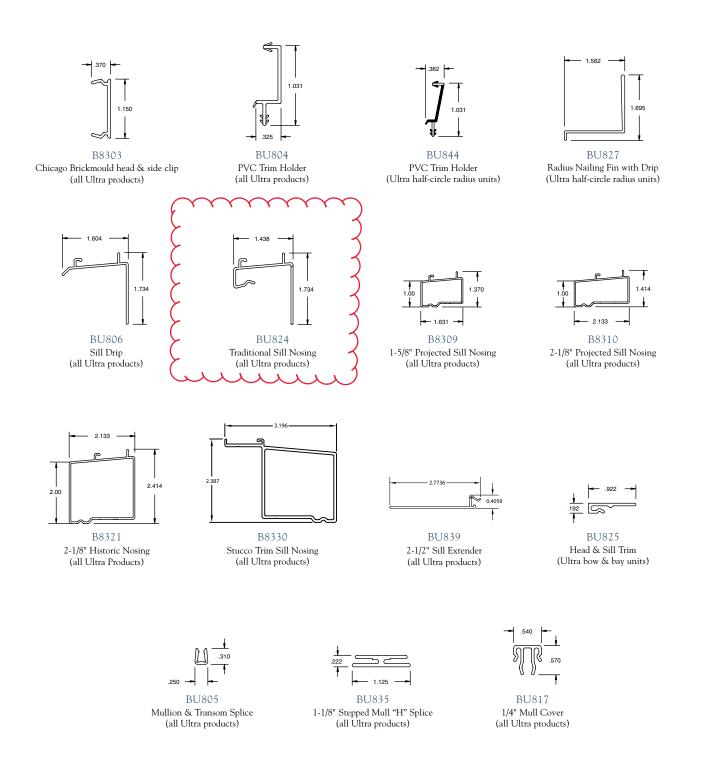
#### ULTRA ACCESSORY PROFILES



180

# ULTRA SERIES ACCESSORIES

#### ULTRA ACCESSORY PROFILES



# ENERGY PERFORMANCE DATA

# ENERGY STAR<sup>®</sup> – United States

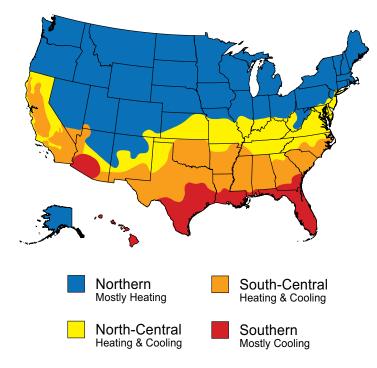


ENERGY STAR is a government-regulated program that was created by the Environmental Protection Agency (EPA), and the U.S. Department of Energy (DOE), to help consumers quickly and easily identify energy saving products. The ENERGY STAR program

uses energy values obtained by window and door manufacturers through the National Fenestration Rating Council (NFRC) program. NFRC ratings are based on the energy performance of the total window or door – both glass and frame.

The ENERGY STAR program for the United States divides the nation into four separate climate zones – Northern, North-Central, South-Central, and Southern.

The performance criteria that needs to be met in order to be ENERGY STAR compliant in a specific climate zone (effective January 4, 2010) is shown in the charts provided below.



### ENERGY PERFORMANCE TERMINOLOGY

- ➤ U-Factor refers to a measure of heat transfer through the window or door unit. A lower U-factor means less heat escapes during winter weather, thus reducing heating costs in cold climates.
- R-Value refers to resistance to heat flow. A high R-value indicates that a window or door has good heat insulating properties.
- Solar Heat Gain Coefficient (SHGC) is a measure of how much solar energy is passing through the unit's glass. The lower a window or door unit's SHGC, the less solar heat is transmitted into a room, thus allowing for lower cooling bills in hot climates.
- Visible Transmittance (VT) is a measure of the portion of visible light that passes through a window or door. The higher a window or door unit's VT Total, the more visible light is transmitted into a room. This value is influenced by both the glass selection and by the ratio of glazing and frame area.

Climate Zones - U.S.		U-Factor	SHGC
	Northern**	<u>≤</u> 0.30	Any
	Northern	= 0.31	≥ 0.35
	Northern	= 0.32	≥ 0.40
	North-Central	≤ 0.32	≤ 0.40
	South-Central	≤ 0.35	≤ 0.30
	Southern	≤ 0.60	≤ 0.27

#### 2010 ENERGY STAR Qualification Criteria for Windows

\*\* Northern zone windows can meet prescriptive (1st row) or alternative energy performance (2nd & 3rd row) criteria to qualify for ENERGY STAR.

#### 2010 ENERGY STAR Qualification Criteria for Doors<sup>†</sup>

Glazing	U-Factor	SHGC
Opaque	≤ 0.21	No rating
≤ 1/2-Lite	≤ 0.27	≤ 0.30
> 1/2-Lite	≤ 0.32	≤ 0.30

<sup>T</sup> Criteria shown applies to both sliding and hinged doors and in all four climate zones.

Kolbe demonstrates a commitment to providing accurate energy data by having products independently simulated, tested, inspected and listed in the NFRC certification program, and making that data available on our website and window labels.

#### NOTE:

Energy performance data and air, water, structural data is updated on a continuous basis. For the most current information, visit www.kolbe-kolbe.com or contact your local Kolbe dealer.

# ENERGY PERFORMANCE DATA

# ENERGY STAR<sup>®</sup> – Canada

Products may comply for Canada's ENERGY STAR program based on two compliance paths: either their U-factor total, or their Energy Rating (ER). The Energy Rating is based on a product's overall performance based on three criteria: (1) solar heat gain, (2) heat loss through the frame, spacer and

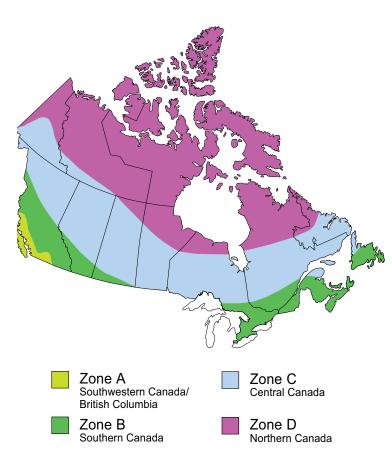
glass, and (3) air leakage loss. The higher the ER number, the better the product's thermal performance.

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The U-factor and ER criteria for Canada's four climate zones is shown in the charts provided. For more detailed information about their Energy Rating system and Kolbe products that qualify for Canada's ENERGY STAR Program, visit their website at www.oee.nrcan.gc.ca/energystar.



#### ENERGY STAR - Canada Qualification Criteria for Windows after October 1, 2010

	COMPLIANCE PATHS		
Zone	Minimum Energy Rating (ER)**	or	Maximum U-Factor
А	21 (Max. U-factor 0.35)	or	$\leq 0.32$ (Min. ER = 13)
В	25 (Max. U-factor 0.35)	or	$\leq$ 0.28 (Min. ER = 17)
С	29 (Max. U-factor 0.35)	or	$\leq$ 0.25 (Min. ER = 21)
D	34 (Max. U-factor 0.35)	or	≤0.21 (Min. ER = 25)

\*\* After June 1, 2010: Both fixed and operable windows will have to meet the same ER level for each climate zone.

#### ENERGY STAR - Canada Qualification Criteria for Doors<sup>†</sup> after October 1, 2010

	COMPLIANCE PATHS		
Zone	Minimum Energy Rating (ER)	or	Maximum U-Factor
А	21 (Max. U-factor 0.35)	or	≤0.32
В	25 (Max. U-factor 0.35)	or	≤0.28
С	29 (Max. U-factor 0.35)	or	≤0.25
D	34 (Max. U-factor 0.35)	or	≤0.21

<sup>†</sup>Criteria shown applies to both sliding and hinged doors and in all four climate zones. Doors following the "Maximum U-factor" compliance path do not have a minimum ER requirement.

U-FACTOR CONVERSION		
Imperial	Metric	
0.35	2.00	
0.32	1.80	
0.28	1.60	
0.25	1.40	
0.21	1.20	

#### NOTE:

Energy performance data and air, water, structural data is updated on a continuous basis. For the most current information, visit www.kolbe-kolbe.com or contact your local Kolbe dealer.





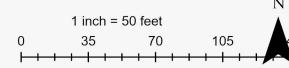
www.kolbe-kolbe.com

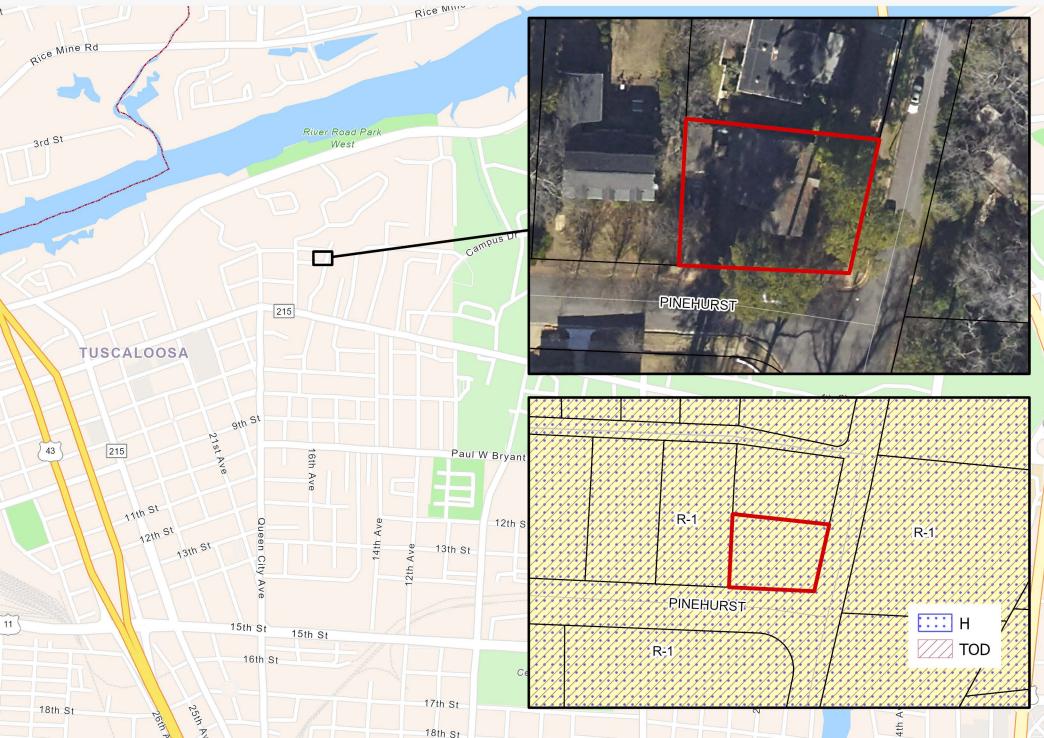
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# **21 Pinehurst Drive**







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