



April 12, 2025

Mr. Craig Saltzman  
CS Custom Designs

Re: Barberic Residence Patio Cover Evaluation  
148 West Prospect St  
Hudson, OH 44236

Dear Mr. Saltzman,

Upon your request, we performed a structural evaluation of the patio roof cover design enclosed. This evaluation covers the structural acceptability of the roof cover given the anticipated loading under the local building code, including but not limited to dead, live, snow, wind, seismic and other loads as applicable. We evaluated the structure against the Residential Code of Ohio with city/county amendments as required. The evaluation is limited to the aforementioned specified items.

Governing Code & Design Loads:

Code:	Residential Code of Ohio (2018 IRC)
Roof Dead Load:	12 lb/ft <sup>2</sup>
Roof Live Load:	20 lb/ft <sup>2</sup>
Ground Snow Load:	25 lb/ft <sup>2</sup>
Wind Speed (V <sub>ult</sub> ):	115 mi/hr
Exposure Category:	B
Risk Category:	II
Seismic Design Category:	B
Soil Bearing Capacity:	1500 lb/ft <sup>2</sup>
Lumber Species/Grade:	SPF #2 or better

**Based on our findings, the results of the evaluation indicate the structure is acceptable as shown on the attached drawings.**

Please note, use of the Mono Slab EZ forms complies with the minimum requirements of Table 403.3(1) of the RCO per the information included in ESR-4106 and Table 3 of the design report provided to Synergy which was prepared by Engineering System Solutions. Use of the forms shall comply with the manufacturer's requirements and those listed within ESR-4106. All applicable documentation shall be submitted to the AHJ prior to proceeding with construction.

Submission of this report completes the investigation activities authorized by you. If you have any questions regarding this report, please contact us.

Very truly yours,  
Synergy Engineering Services

Douglas J. Perkins, PE  
Consulting Engineer



## GENERAL NOTES

(UNLESS OTHERWISE NOTED)

THESE WORKING DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND ACCORDANCE OF LOCAL BUILDING CODES & ORDINANCES.

### DESIGN LOADS USED (#/SQ. FT.)

- (STANDARDS USED, MAY NOT REFLECT ACTUAL CONDITIONS OR REQUIREMENTS)
- SOIL BEARING: 2,000 - FIELD VERIFY.
- WHERE EXPANSIVE SOILS, COMPRESSIBLE SOILS, SHIFTING SOILS or OTHER QUESTIONABLE CHARACTERISTICS ARE PRESENT, ADDITIONAL GEOTECHNICAL EVALUATION MAY BE REQUIRED
- FLOOR LOADS:
  - DWELLING: 40 LL / 10 DL (L/240)
  - SLEEPING: 30 LL / 10 DL (L/240)
- ROOF LOADS: 25 SL / 10 DL / 10 CL (L/240)
- FROST LINE: 42"
- WIND DESIGN SPEED: 115 mph

### FOUNDATION

- BEAM CENTERLINES SHOWN INDICATE CENTER OF WALLS ABOVE and MAY NEED TO BE OFFSET TO CLEAR STAIRS, WALLS, ETC. \* VERIFY ALL DRAIN, EQUIPMENT and UTILITY LOCATIONS and ENTRIES
- 3" dia. STEEL POSTS BASED ON "MONOPOST - 200 SERIES" BY TAPCO
- VERIFY ALL DRAIN, EQUIPMENT and UTILITY LOCATIONS and ENTRIES and REQUIREMENTS
- ALL FINISH GRADES MUST BE 6" (min.) BELOW TOP OF FOUNDATION WALLS and SHOULD BE VERIFIED BEFORE START OF CONSTRUCTION
- ALL FOOTING SHALL EXTEND BELOW LOCAL FROST LINE DEPTH
- VERTICAL STEPS IN FOOTINGS TO BE 2'-0" (max.) w/ CONTINUOUS REINFORCEMENT

### CONCRETE

- CONCRETE "SLUSH COAT" FLOORS TO BE 2" THK. on 6 MIL VB of 2" GRANULAR FILL
- SLABS TO BE CUT @ 20" (max) INTERVALS
- EXTERIOR SLABS SLOPED @ 1/8" per FOOT (min)

### MASONRY

- ANCHOR BOLTS
- LOCATION: 4" o.c. and 1' from CORNERS; (2) min. per PANEL; 3 5/8" in from OUTSIDE EDGE OF FOUNDATION
- GROUT AND REINFORCE COLES (FULL HEIGHT, #4 REBAR) @ ANCHOR BOLT LOCATIONS and as REQUIRED by SITE CONDITIONS & DESIGNED in ACCORDANCE w/ ACCEPTED MASONRY & ENGINEERING PRACTICE
- TO BE REINFORCED PER SECTION 404 (RCC) OR AS SHOWN ON THESE DRAWINGS, WHICHEVER IS LIMITING

### ROUGH FRAMING

- WOOD MEMBERS TO BE #2 SPF or BETTER
- WOOD JOISTS TO BE SYP 2x12 (in CONTINUOUS SPANS)
- HEADERS TO BE (3-5) 2x12 w/ 7/16" OSB SHEATHING (UNLESS NOTED OTHERWISE)
- LVL SIZING BASED on 2.0 E GP LAM LVL by FNNYFOREST (7b 2900 psi)
- ADD SOLID BLOCKING UNDER BEARING LOADS
- ALL WOOD (IN - WALL) POSTS TO BE BLOCKED / BRACED @ MIDPOINT
- STANDARD HEADERS, VALLEYS, RIDGES, DOUBLES, ETC. MAY NOT BE SHOWN
- LOADING NOT SPECIFICALLY INDICATED WILL AFFECT STRUCTURAL SIZES NOTED
- ROOF TRUSS LOADS ASSUMED TO BE on EXTERIOR WALLS w/ NO CONCENTRATED LOADS OVER OPENINGS. HIP GIRDER TRUSSES ASSUMED TO BE 6' in from EXTERIOR WALL SURFACES
- ROOF TRUSS NOTES ON THESE DRAWINGS ARE FOR THE PURPOSE OF GENERAL LAYOUT ONLY. ROOF TRUSS MANUFACTURER TO SUPPLY INSTALLATION DIAGRAMS. VARIATIONS FROM ASSUMPTIONS SHOWN ON THESE DRAWINGS MAY MODIFY FRAMING MEMBER SIZES.
- TRUSS TIES TO BE USED on ALL TRUSSES in EXTERIOR WALL CONNECTIONS.
- FINAL TRUSS DRAWINGS NEED TO BE AVAILABLE AT JOBSITE FOR FRAMING INSPECTION.

### ELEVATIONS

- DECKS, RAILINGS, STAIRS MAY BE SHOWN DASHED on ELEVATIONS FOR CLARITY
- EXTERIOR STAIR & RELATED FOOTINGS AS REQUIRED.

### ROOFING

- ICE & WATER SHIELD (30" wide) SHALL BE INSTALLED @ ALL ROOF EAVES
- VALLEYS SHALL BE WOVEN SHINGLES of ICE & WATER SHIELD
- WALLS WHICH INTERSECT ROOF SHALL BE STEP FLASHED
- 5/8" ROOF SHEATHING SHALL USE METAL CLIPS BETWEEN TRUSSES
- RIDGE & EAVE VENTS TO BE INSTALLED per CODE REQUIREMENTS

### WINDOWS & DOORS

- **WINCO S-SERIES** WINDOWS & PATIO DOORS WITH INSULATING GLASS & SCREENS
  - U-FACTOR RANGE 0.26-0.31
- **PROVIDE** EXTERIOR DOORS
  - U-FACTOR RANGE 0.17-0.25
- ALL WINDOWS & DOORS SHALL BE LISTED/LABELED PER NFRC 100 or ANMA/ WDMA/CSA 1017.1/52/2440-05

### SMOKE & CARBON MONOXIDE ALARMS

- AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED in DWELLING UNITS WITHIN WHICH FUEL FIRED APPLIANCES ARE INSTALLED AND in DWELLING UNITS THAT HAVE ATTACHED GARAGES. LOCATED PER RCO 315.3 SINGLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING, WITH UL 2034 AND SHALL BE INSTALLED in ACCORDANCE WITH THE MANUFACTURE'S INSTALLATION INSTRUCTIONS.
- IONIZATION SMOKE ALARM LISTED PER UL 727 INSTALLED PER NFPA 72-2019
- REFER TO RCO 314.3 FOR LOCATIONS OF SMOKE ALARMS



## GENERAL NOTES

### FRAMING & FASTENERS

- ALL DECK COMPONENTS TO BE PRESSURE-TREATED SOUTHERN-YELLOW-PINE (FOR GROUND CONTACT)
- PAVILION ROOF STRUCTURE COMPONENTS TO BE CEDAR
- METAL FASTENERS: FLASHING & NAILS FOR PRESERVATIVE PRESSURE-TREATED WOOD SHALL BE OF HOT-DIPPED, ZINC-COATED GALVANIZED STEEL. STAINLESS STEEL, SILVER-BRONZE OR COPPER CORNICE TYPES & NAILS FOR CONNECTIONS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE in ACCORDANCE WITH THE CONNECTOR MANUFACTURER'S RECOMMENDATIONS

SHEET #	SHEET TITLE
A-01	COVER PAGE
A-02	ELEVATIONS
A-03	FLOOR PLAN / SECTIONS
A-04	ROOF TRUSSING

**Dennis Barberic**  
PROJECT TYPE: COVERED PORCH

**PROJECT:** 54 West Prospect Street  
Location: Hudson, Ohio 44136

**ISSUE DATE:** 4/12/2025 9:26:15 AM

**DRAWN BY:** C.S.

**SHEET #**  
A-01

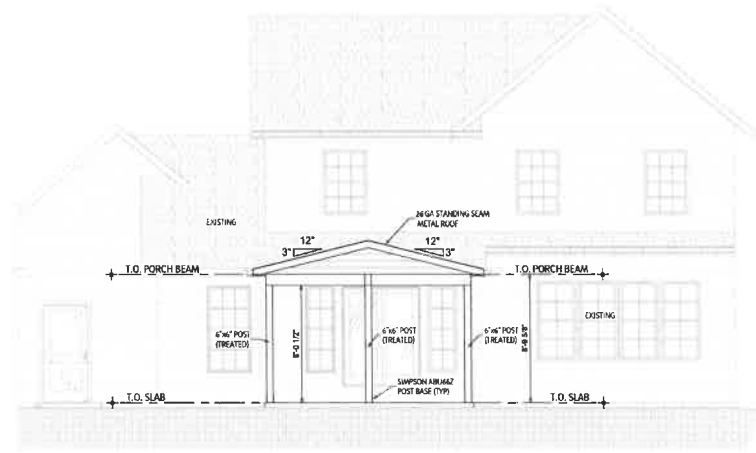
**SHEET TITLE**  
COVER PAGE

**PROJECT TITLE:** COPTIGHT KLINE EXTERIORS 2025

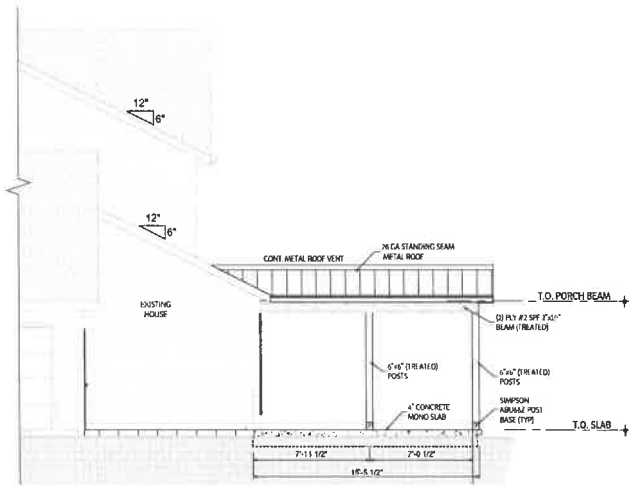
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**KLINE**  
EXTERIORS

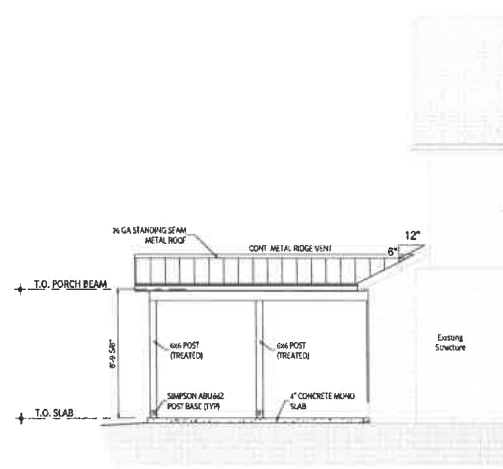
8886 COUNTY RD. 189, DUNDREE, OHIO 44654  
EMAIL: klineexteriors.com PH: 330.601.2749



② PORCH ELEVATION  
1/4\" = 1'-0"

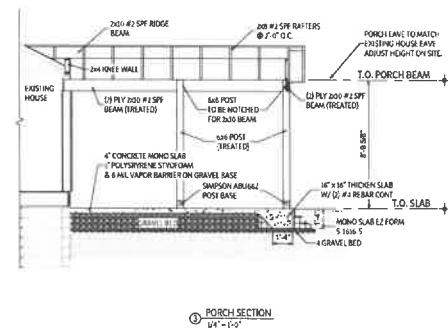


③ LEFT ELEVATION  
1/4\" = 1'-0"



④ RIGHT ELEVATION  
1/4\" = 1'-0"

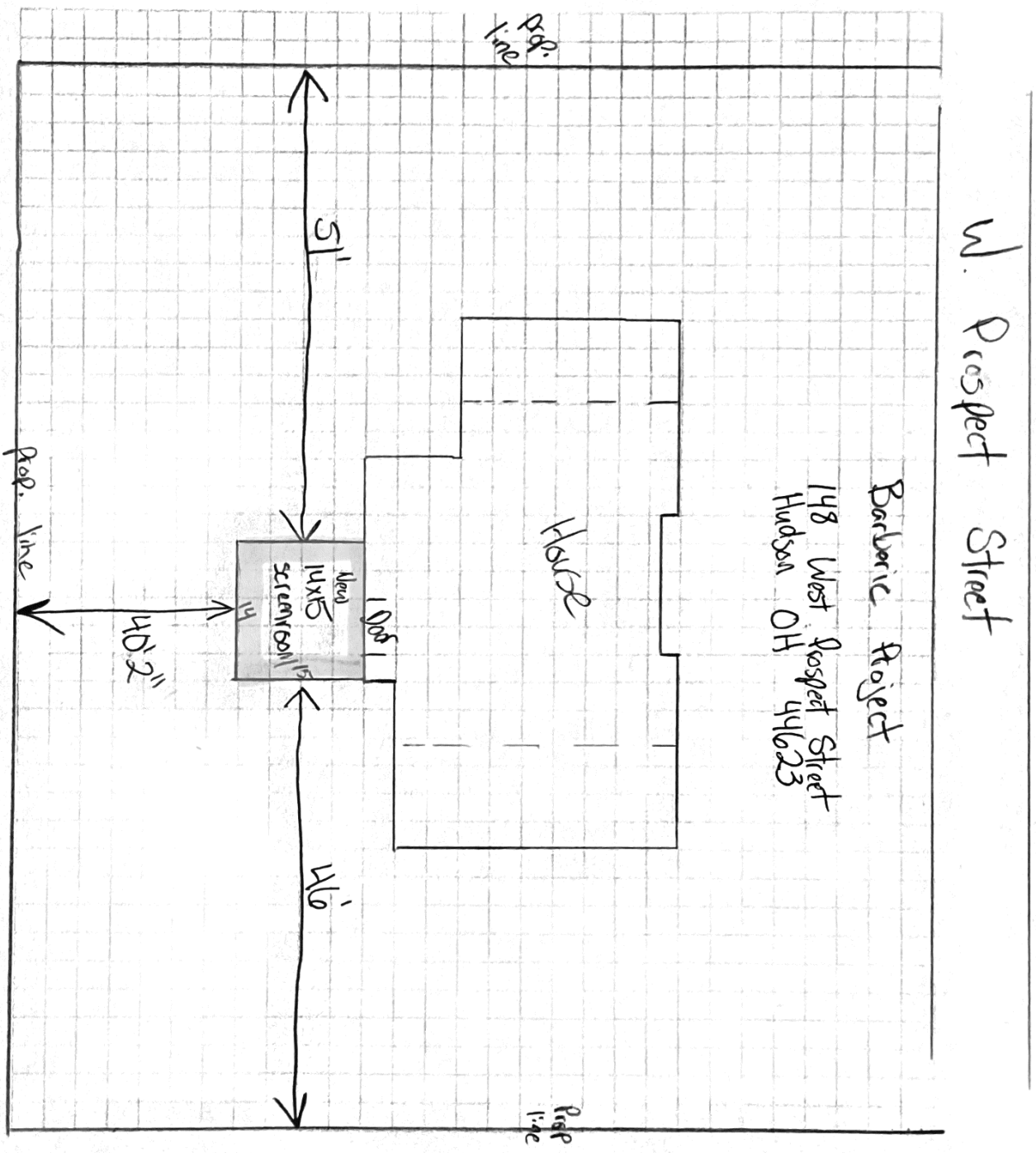
 <b>KLINE &amp; RESTORATION</b> 6886 COUNTY RD. 118, DUNDEE, OHIO 44624 EMAIL: <a href="mailto:Barb@klineandrestoration.com">Barb@klineandrestoration.com</a> PH: 330.891.5216	DRAWN BY: C.S. ISSUE DATE: 4/27/2025 9:28:15 AM PROJECT: 1st Ward Church Street Location: Hudson, Ohio 44136	SHEET # <b>A-02</b>
	PROJECT TYPE: <b>COVERED PORCH</b>	SHEET TITLE: <b>ELEVATIONS</b>
	COPYRIGHT © KLINE & RESTORATION 2025 This drawing is the exclusive property of KLINE & RESTORATION and may not be copied, reproduced or used in any way without the written permission of KLINE & RESTORATION	
	Dennis Barberic	







Using the page below, please draw a site plan showing the proposed fence, shed or pool. You may also use an aerial view of your property from the Summit County GIS, Google or other as a base map.







Existing Photo

Replace Siding (Hardi Board)  
Windows  
Doors  
Roof



Proposed

Chantilly Lace  
Benjamin Moore

Estate Gray  
Owens Corning - Duration Shingles



Andalucia 6 Lite  
Grand Entry Doors



Darlana Lights  
Visual Comfort



Black Gutters

Tricorn Black  
Sherwin Williams



Corbel

Horizontal Trim Board

Revision 0205







Existing Photo

Replace Siding (Hardi Board)  
Windows  
Doors  
Roof



Proposed

Revision



Brick Wash







Existing Photo

Replace Siding (Hardi Board)  
Windows  
Doors  
Roof





# Revision

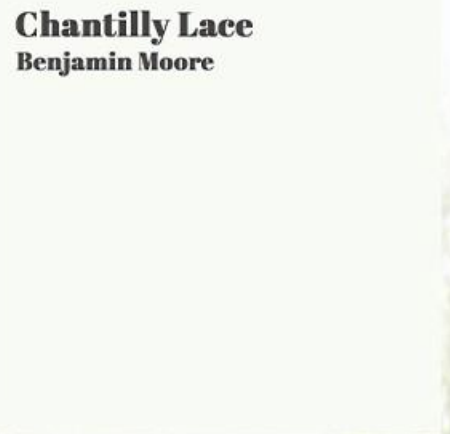
Proposed



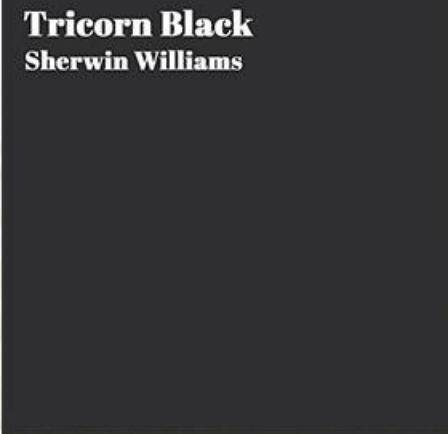
**Clopay Recessed Panel  
Bridgeport**



**Darlana Tall  
Visual Comfort**



**Chantilly Lace**  
Benjamin Moore



**Tricorn Black**  
Sherwin Williams



**Dressed Fieldstone  
Echo Ridge**



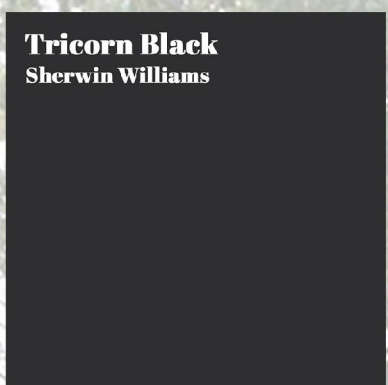
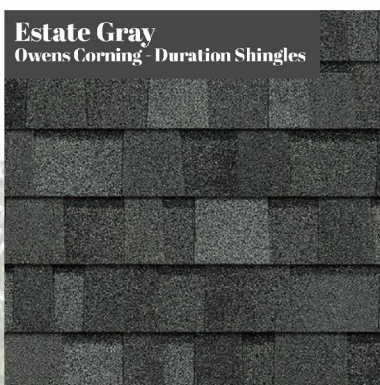




Existing Photo

Replace Siding (Hardi Board)  
Windows  
Doors  
Roof





**Revision** in reference to Design 2 FRONT

**Proposed**





# YOUR PROFESSIONAL-CLASS PRODUCT

Signet Oak Fiberglass French Door with Clear Glass

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Front Door  
Order #12659820-1  
Qty: 1

## DETAILS

### Signet French Entry Door in FrameSaver Frame

68" x 80" Nominal Size  
Unit Size: 70 1/8" x 81 11/16"  
Frame Depth: 6 5/16"  
2" Standard Brickmold  
Right Hand Inswing - Left Door Active (ISLO)  
**French Doors**  
1 Panel 440 Style Signet Oak Fiberglass Door  
ComforTech DLA-UV  
Cottage (6-Lite) Contoured Internal Grid - 1V x 2H  
Snow Mist White Inside / Almond Outside Grids  
Snow Mist White Inside / Truffle Outside

### Hardware

All Hardware in Black Finish  
Century Grip Entrance Handle Outside  
Latitude/Century Lever Inside - Both Doors  
Century Thumbturn Deadbolt - Both Doors

### Frame

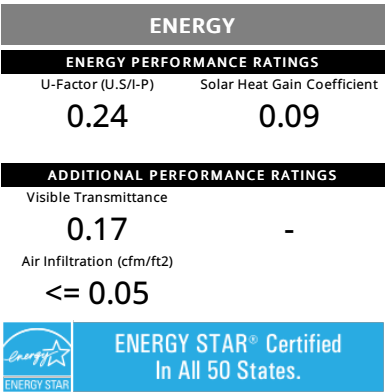
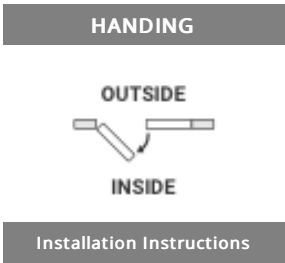
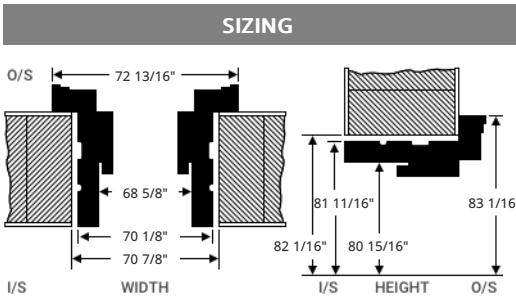
Textured Oak Aluminum Frame Cladding  
Snow Mist White Inside Frame  
Standard Astragal (Flip Lever)  
2 Tubes of Oak Caulk  
Bronze ZAC Auto-Adjusting Threshold (7 5/8" Depth)  
Black Ball Bearing Hinges  
4 Hinges  
Poplar Colonial 3 1/2" Casing - Snow Mist White



OUTSIDE VIEW



INSIDE VIEW



# YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass French Door with Clear Glass



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Back Patio  
Order #12659820-2  
Qty: 1

## DETAILS

### Heritage French Entry Door in FrameSaver Frame

60" x 80" Nominal Size

Unit Size: 62 1/8" x 81 11/16"

Frame Depth: 6 5/16"

2" Standard Brickmold

Right Hand Inswing - Left Door Active (ISLO)

### French Doors

460 Style Heritage Smooth Fiberglass Door

ComforTech DLA-UV

Cottage (6-Lite) Contoured Internal Grid - 1V x 2H

Snow Mist White Inside / Coal Black Outside Grids

Smooth Plugless Trim

Snow Mist White Inside / Coal Black Outside

### Hardware

All Hardware in Black Finish

Century Grip Entrance Handle Outside

Latitude/Century Lever Inside - Both Doors (2 3/8" Backset)

Century Thumbturn Deadbolt - Both Doors (2 3/8" Backset)

### Frame

Textured Coal Black Aluminum Frame Cladding

Snow Mist White Inside Frame

Standard Astragal (Flip Lever)

2 Tubes of Coal Black Caulk

Mill Finish ZAI Adjustable Threshold (7 5/8" Depth)

Black Ball Bearing Hinges

4 Hinges

Poplar Colonial 3 1/2" Casing - Snow Mist White

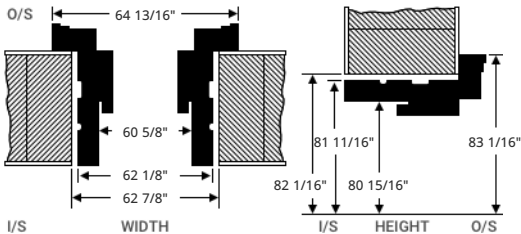


OUTSIDE VIEW

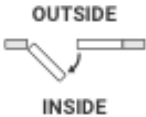


INSIDE VIEW

## SIZING



## HANDING



## Installation Instructions



## ENERGY

### ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P)

0.24

Solar Heat Gain Coefficient

0.11

### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

0.24

Air Infiltration (cfm/ft2)

<= 0.03



ENERGY STAR® Certified  
In All 50 States.

# YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass Entry Door



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Garage Rear  
Order #12659820-3  
Qty: 1

## DETAILS

### Heritage Single Entry Door in FrameSaver Frame

36" x 80" Nominal Size  
Unit Size: 37 9/16" x 81 11/16"  
Frame Depth: 5 5/16"  
2" Standard Brickmold  
Left Hand Inswing - Inside Looking Out  
006 Style Heritage Smooth Fiberglass Door  
Snow Mist White Inside and Outside

#### Hardware

All Hardware in Black Finish  
Georgian Lockset  
Thumbturn Deadbolt

#### Frame

Textured Snow Mist White Aluminum Frame Cladding  
Snow Mist White Inside Frame  
1 Tube of Snow Mist White Caulk  
Mill Finish ZAI Adjustable Threshold (6 3/8" Depth)  
Black Ball Bearing Hinges  
4 Hinges  
Security Plate

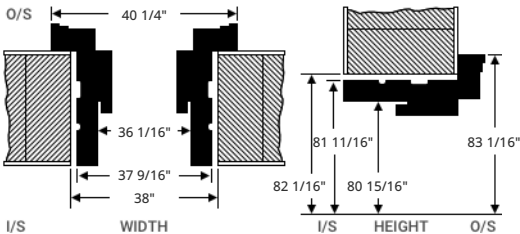


OUTSIDE VIEW

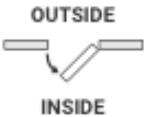


INSIDE VIEW

### SIZING



### HANDING



Installation Instructions



### ENERGY

#### ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.13

0.01

#### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

0.00

Air Infiltration (cfm/ft2)

<= 0.03

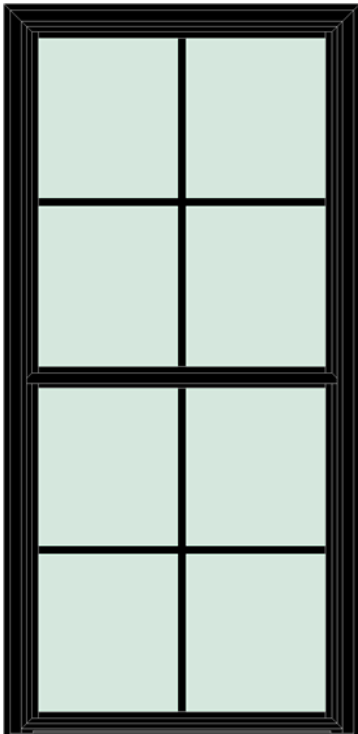


ENERGY STAR® Certified  
In All 50 States.

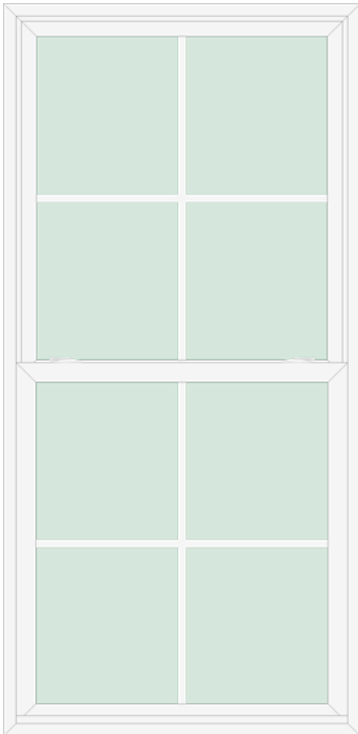
STC: 21; OITC: 22; Acoustic Test Report: 88191.01B-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Front Sitting  
Order #12659820-4  
Qty: 2

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
Fineline  
Exact Size: 34" x 70"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
With Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Accessory Groove Filler Strip - Both Sides (Loose)  
Sill Extender  
Comfortech DLA-UV  
Single Strength Glass  
3/4" IG Thickness  
Cottage Contoured Grid - 1V x 1H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 34 1/4" to 34 1/2"  
Opening Height Range: 70 1/4" to 70 1/2"  
Window Size: 34" x 70"  
United Inches: 104  
Egress Size: 29" x 27 27/32"  
Egress Square Foot: 5.6135  
Egress Meets Criteria: No  
Top Sash Size: 30" x 33 9/16"  
Top Glass Size: 28 3/16" x 31 13/16" x 3/4"  
Top Glass Viewable Size: 27 3/16" x 30 13/16"  
Bottom Sash Size: 31" x 34 9/16"  
Bottom Glass Size: 28 3/16" x 31 13/16" x 3/4"  
Bottom Glass Viewable: 27 3/16" x 30 13/16"  
Size:  
Full Screen: 30 7/16" x 67 5/16"  
Screen Mull Location: 33"

### Structural

**Air:**  
0.05 cfm/ft<sup>2</sup> @ 1.57 psf  
ASTM E 283  
**Water:**  
7.52 psf  
ASTM E 547  
**Structural:**  
LC-PG45 134mph  
AAMA/WDMA/CSA 101/LS.2/A440-08 and 11  
DP 45

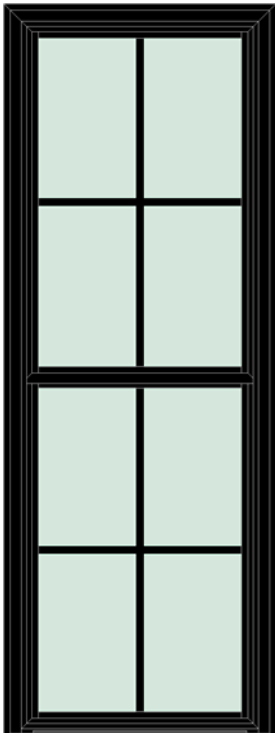
### ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient  
**0.27      0.19**  
**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance  
**0.45      61.00**  
Air Infiltration (cfm/ft<sup>2</sup>)  
**<= 0.05**  
**ENERGY STAR**  
Southern / South-Central

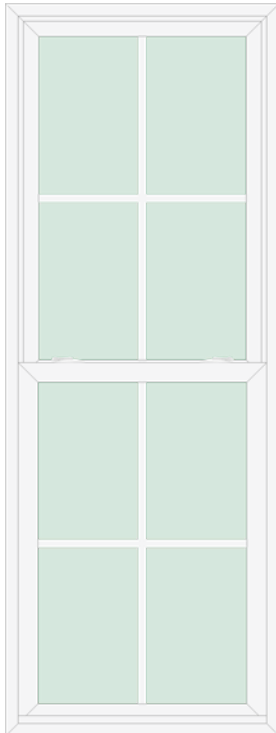
STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Front Dining  
Order #12659820-6  
Qty: 3

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
FineLine  
Exact Size: 26" x 70"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
No Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Accessory Groove Filler Strip - Both Sides (Loose)  
Sill Extender  
Comfortech DLA-UV  
Single Strength Glass  
3/4" IG Thickness  
Cottage Contoured Grid - 1V x 1H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 26 1/4" to 26 1/2"  
Opening Height Range: 70 1/4" to 70 1/2"  
Window Size: 26" x 70"  
United Inches: 96  
Egress Size: 21" x 27 27/32"  
Egress Square Foot: 4.0650  
Egress Meets Criteria: No  
Top Sash Size: 22" x 33 9/16"  
Top Glass Size: 20 3/16" x 31 13/16" x 3/4"  
Top Glass Viewable Size: 19 3/16" x 30 13/16"  
Bottom Sash Size: 23" x 34 9/16"  
Bottom Glass Size: 20 3/16" x 31 13/16" x 3/4"  
Bottom Glass Viewable: 19 3/16" x 30 13/16"  
Size:  
Full Screen: 22 7/16" x 67 5/16"  
Screen Mull Location: 33"

### Structural

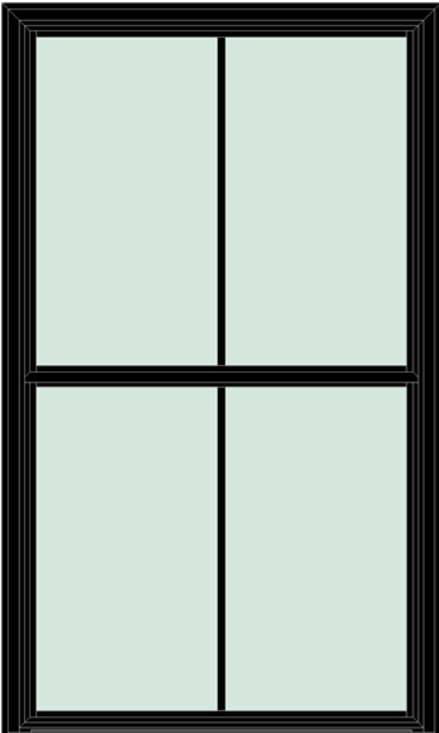
**Air:**  
0.05 cfm/ft<sup>2</sup> @ 1.57 psf  
ASTM E 283  
**Water:**  
7.52 psf  
ASTM E 547  
**Structural:**  
LC-PG45 134mph  
AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11  
DP 45

### ENERGY

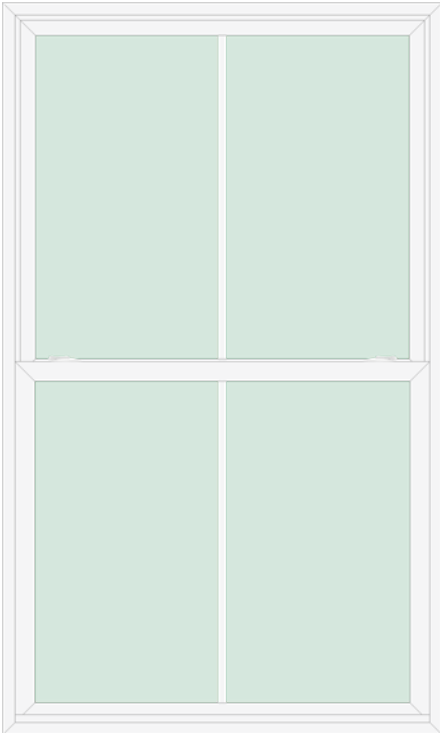
**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient  
**0.27                      0.19**  
**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance  
**0.45                      61.00**  
Air Infiltration (cfm/ft<sup>2</sup>)  
**<= 0.05**  
**ENERGY STAR**  
Southern / South-Central  
STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Sitting East  
Order #12659820-7  
Qty: 2

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
FineLine  
Exact Size: 42" x 70"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
With Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Accessory Groove Filler Strip - Both Sides (Loose)  
Sill Extender  
ComforTech DLA-UV  
Single Strength Glass  
3/4" IG Thickness  
Colonial Contoured Grid - 1V x 0H  
White Inside / Coal Black Outside Grids

### SIZING

Opening Width Range: 42 1/4" to 42 1/2"  
Opening Height Range: 70 1/4" to 70 1/2"  
Window Size: 42" x 70"  
United Inches: 112  
Egress Size: 37" x 27 27/32"  
Egress Square Foot: 7.1621  
Egress Meets Criteria: Yes  
Top Sash Size: 38" x 33 9/16"  
Top Glass Size: 36 3/16" x 31 13/16" x 3/4"  
Top Glass Viewable Size: 35 3/16" x 30 13/16"  
Bottom Sash Size: 39" x 34 9/16"  
Bottom Glass Size: 36 3/16" x 31 13/16" x 3/4"  
Bottom Glass Viewable: 35 3/16" x 30 13/16"  
Size:  
Full Screen: 38 7/16" x 67 5/16"  
Screen Mull Location: 33"

### Structural

**Air:**  
0.05 cfm/ft<sup>2</sup> @ 1.57 psf  
ASTM E 283  
**Water:**  
7.52 psf  
ASTM E 547  
**Structural:**  
LC-PG45 134mph  
AAMA/WDMA/CSA 101/1.S.2/A440-08 and 11  
DP 45

### ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient  
**0.27**      **0.19**  
**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance  
**0.45**      **61.00**  
Air Infiltration (cfm/ft<sup>2</sup>)  
**<= 0.05**  
**ENERGY STAR**  
Southern / South-Central  
STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

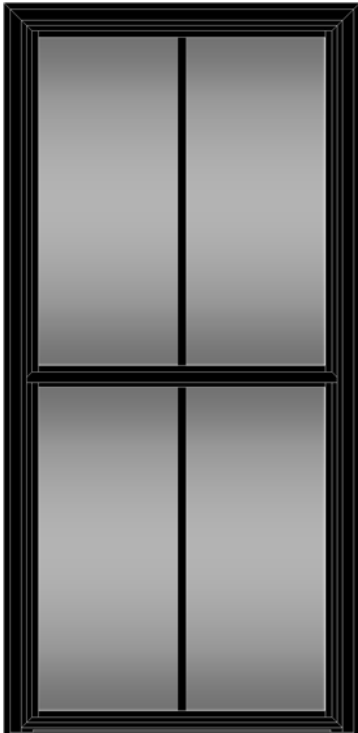
### Installation Instructions



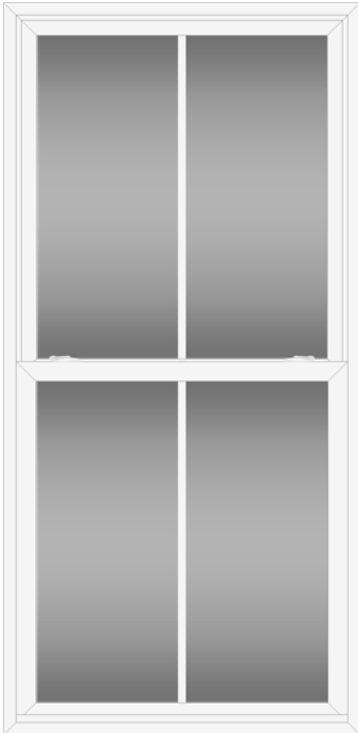


# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Living -south- Laundry  
Order #12659820-8  
Qty: 5

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
Fineline  
Exact Size: 34" x 70"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
With Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Accessory Groove Filler Strip - Both Sides (Loose)  
Sill Extender  
ComforTech DLA-UV (with Gray Tint)  
Double Strength Glass  
3/4" IG Thickness  
Colonial Contoured Grid - 1V x 0H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 34 1/4" to 34 1/2"  
Opening Height Range: 70 1/4" to 70 1/2"  
Window Size: 34" x 70"  
United Inches: 104  
Egress Size: 29" x 27 27/32"  
Egress Square Foot: 5.6135  
Egress Meets Criteria: No  
Top Sash Size: 30" x 33 9/16"  
Top Glass Size: 28 3/16" x 31 13/16" x 3/4"  
Top Glass Viewable Size: 27 3/16" x 30 13/16"  
Bottom Sash Size: 31" x 34 9/16"  
Bottom Glass Size: 28 3/16" x 31 13/16" x 3/4"  
Bottom Glass Viewable: 27 3/16" x 30 13/16"  
Size:  
Full Screen: 30 7/16" x 67 5/16"  
Screen Mull Location: 33"

### Structural

**Product:** Vinyl Double Hung  
**Cert #:** 462-H-001.01  
**Class:** LC-PG50  
**Max Test Size:** 44" x 75"  
**Test Std:** AAMA/WDMA/CSA  
101/1.S.2/A440-11



### ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient

0.27      0.20

**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance

0.29      61.00  
Air Infiltration (cfm/ft2)  
≤ 0.05

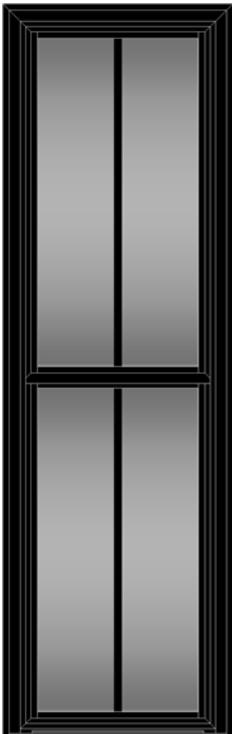
ENERGY STAR

Southern / South-Central

STC: 27; OITC: 24; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: South -kitchen  
Order #12659820-9  
Qty: 2

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
FineLine  
Exact Size: 22" x 70"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
No Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Head Expander and Sill Extender  
Accessory Groove Filler Strip - Both Sides (Loose)  
Comfortech DLA-UV (with Gray Tint)  
Double Strength Glass  
3/4" IG Thickness  
Colonial Contoured Grid - 1V x 0H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 22 1/4" to 22 1/2"  
Opening Height Range: 70 1/4" to 71 1/4"  
Window Size: 22" x 70"  
United Inches: 92  
Egress Size: 17" x 27 27/32"  
Egress Square Foot: 3.2907  
Egress Meets Criteria: No  
Top Sash Size: 18" x 33 9/16"  
Top Glass Size: 16 3/16" x 31 13/16" x 3/4"  
Top Glass Viewable Size: 15 3/16" x 30 13/16"  
Bottom Sash Size: 19" x 34 9/16"  
Bottom Glass Size: 16 3/16" x 31 13/16" x 3/4"  
Bottom Glass Viewable Size: 15 3/16" x 30 13/16"  
Size:  
Full Screen: 18 7/16" x 67 5/16"  
Screen Mull Location: 33"

### Structural

**Product:** Vinyl Double Hung  
**Cert #:** 462-H-001.01  
**Class:** LC-PG50  
**Max Test Size:** 44" x 75"  
**Test Std:** AAMA/WDMA/CSA  
101/1.S.2/A440-11



### ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient

0.27      0.20

**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance

0.29      61.00  
Air Infiltration (cfm/ft2)  
≤ 0.05

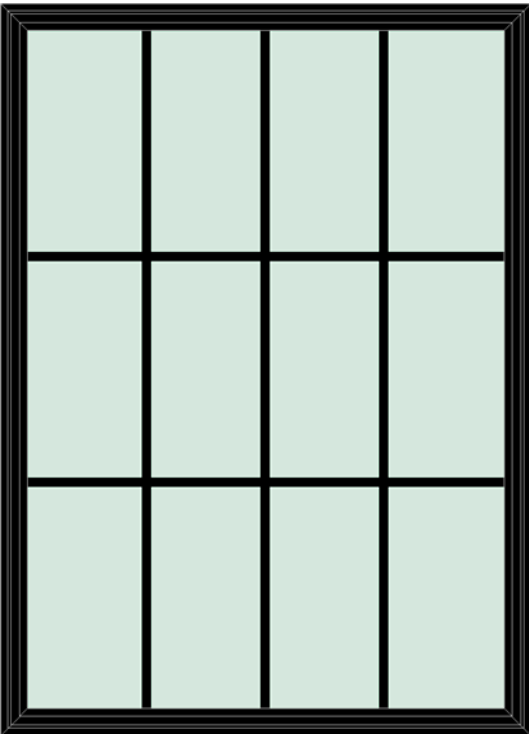
ENERGY STAR

Southern / South-Central

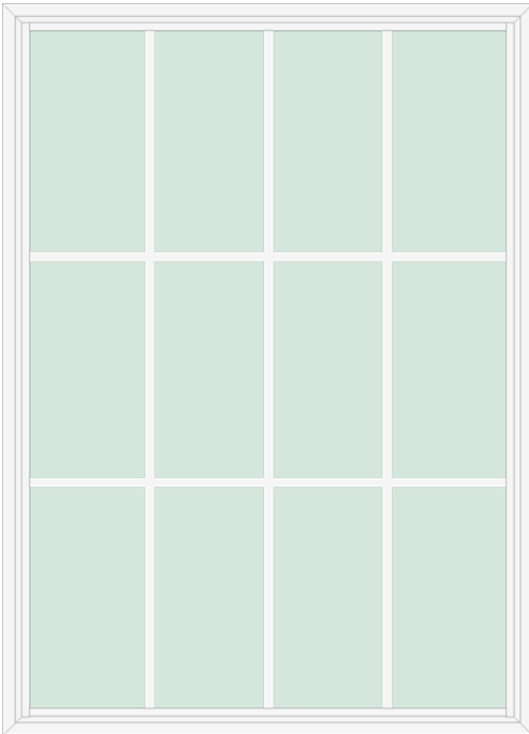
STC: 27; OITC: 24; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW



INSIDE VIEW

## SIZING

Opening Width Range: 42 1/4" to 42 1/2"  
Opening Height Range: 58 1/4" to 59 1/4"  
Window Size: 42" x 58"  
United Inches: 100  
Fixed Glass Size: 37 13/16" x 53 13/16" x 3/4"  
Fixed Glass Viewable Size: 36 15/16" x 52 7/8"

## Structural

Product: Vinyl Picture Window  
Cert #: 462-P-007.06  
Class: R-PG55  
Max Test Size: 50" x 66"  
Test Std: AAMA/WDMA/CSA  
101/1.5.2/A440-17



## ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P)      Solar Heat Gain Coefficient

0.25      0.20

**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance      Condensation Resistance

0.47      59.00  
Air Infiltration (cfm/ft2)  
≤ 0.01

ENERGY STAR

North-Central / South-Central /  
Southern Regions



877.389.0835  
2150 State Route 39  
Sugar Creek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Entry  
Order #12659820-10  
Qty: 1

## DETAILS

**Endure Window - EN600 Series**  
609 - Picture Window  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
FineLine  
Exact Size: 42" x 58"  
Graphite Foam Insulation  
Head Expander and Sill Extender  
Accessory Groove Filler Strip - Both Sides (Loose)  
ComforTech DLA-UV  
Double Strength Glass  
3/4" IG Thickness  
Colonial Contoured Grid - 3V x 2H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

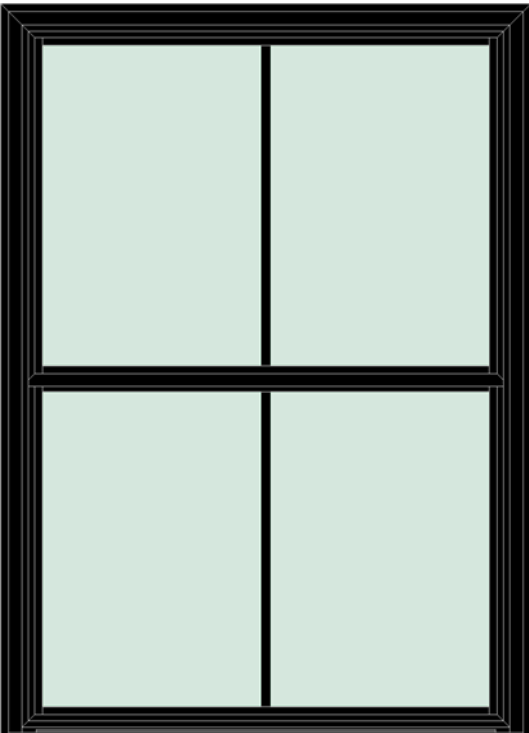
Painted windows require additional lead time.

## Installation Instructions

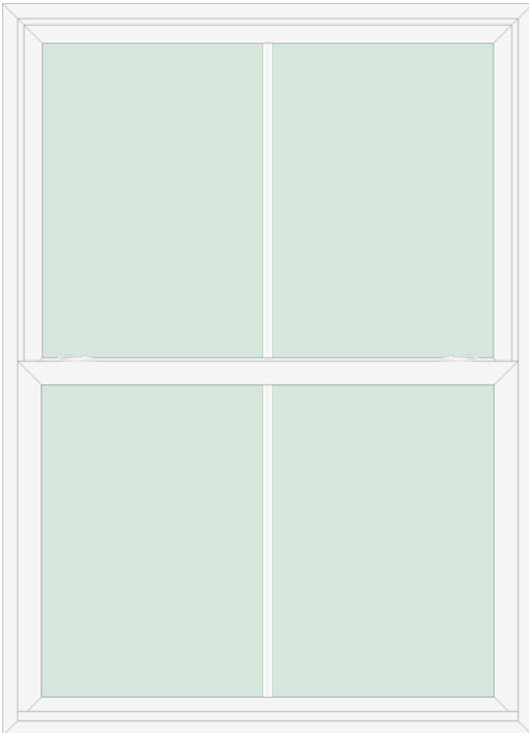


# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugar Creek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Master  
Order #12659820-11  
Qty: 4

## DETAILS

**Endure Window - EN600 Series**  
601 - Double Hung  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
Black Bulb Seal  
FineLine  
Exact Size: 42" x 58"  
Compound Tension Balance System  
Snap-In Frame Sash Stops  
Double Profile DA Locks  
White Vent Locks  
White Hardware  
INNERGY Thermal Sash Reinforcement  
Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh  
With Screen Mullion  
Screen Shipped Separately  
Graphite Foam Insulation  
Head Expander and Sill Extender  
Accessory Groove Filler Strip - Both Sides (Loose)  
Comfortech DLA-UV  
Single Strength Glass  
3/4" IG Thickness  
Colonial Contoured Grid - 1V x 0H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.  
The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.  
Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 42 1/4" to 42 1/2"  
Opening Height Range: 58 1/4" to 59 1/4"  
Window Size: 42" x 58"  
United Inches: 100  
Egress Size: 37" x 21 27/32"  
Egress Square Foot: 5.6204  
Egress Meets Criteria: No  
Top Sash Size: 38" x 27 9/16"  
Top Glass Size: 36 3/16" x 25 13/16" x 3/4"  
Top Glass Viewable Size: 35 3/16" x 24 13/16"  
Bottom Sash Size: 39" x 28 9/16"  
Bottom Glass Size: 36 3/16" x 25 13/16" x 3/4"  
Bottom Glass Viewable: 35 3/16" x 24 13/16"  
Size:  
Full Screen: 38 7/16" x 55 5/16"  
Screen Mull Location: 27"

### Structural

**Air:**  
0.05 cfm/ft<sup>2</sup> @ 1.57 psf  
ASTM E 283  
**Water:**  
7.52 psf  
ASTM E 547  
**Structural:**  
LC-PG45 134mph  
AAMA/WDMA/CSA 101/LS.2/A440-08 and 11  
DP 45

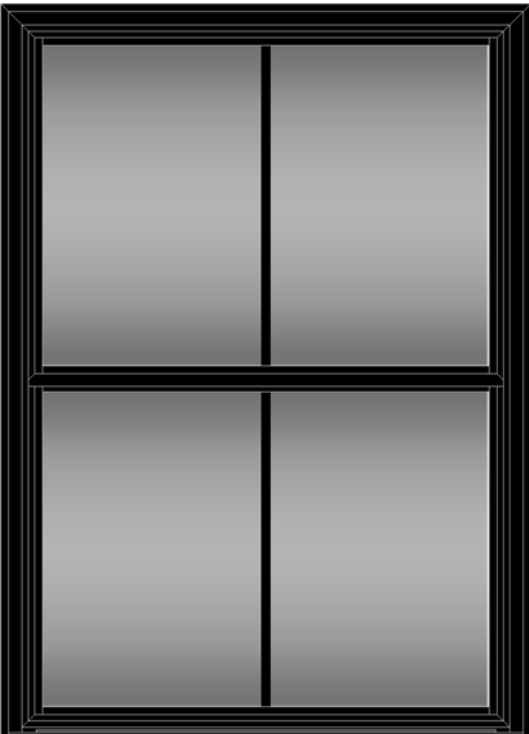
### ENERGY

**ENERGY PERFORMANCE RATINGS**  
U-Factor (U.S./I-P) Solar Heat Gain Coefficient  
0.27 0.19  
**ADDITIONAL PERFORMANCE RATINGS**  
Visible Transmittance Condensation Resistance  
0.45 61.00  
Air Infiltration (cfm/ft<sup>2</sup>)  
<= 0.05  
**ENERGY STAR**  
Southern / South-Central

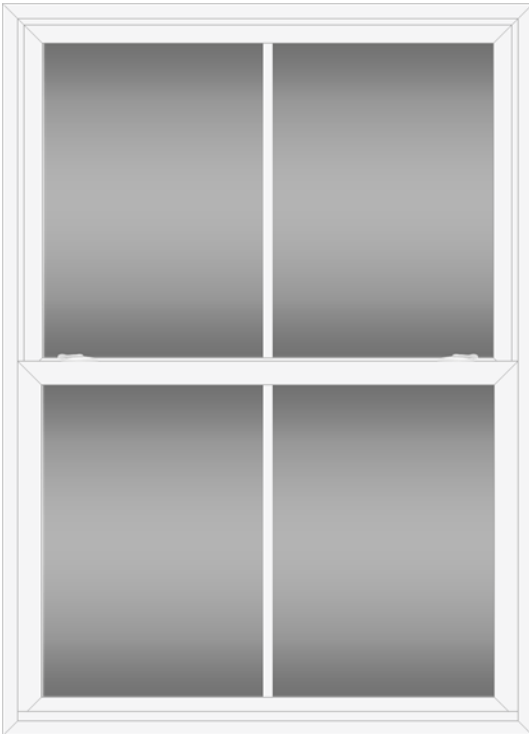
STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic

Tag: Upstairs -south Facing

Order #12659820-12

Qty: 3

## DETAILS

### Endure Window - EN600 Series

601 - Double Hung

White Inside / Textured Matte Coal Black Outside

White Base Vinyl Color

Black Bulb Seal

FineLine

Exact Size: 42" x 58"

Compound Tension Balance System

Snap-In Frame Sash Stops

Double Profile DA Locks

White Vent Locks

White Hardware

INNERGY Thermal Sash Reinforcement

Extruded Full Screen (Textured Matte Coal Black) with BetterVue Screen Mesh

With Screen Mullion

Screen Shipped Separately

Graphite Foam Insulation

Head Expander and Sill Extender

Accessory Groove Filler Strip - Both Sides (Loose)

Comfortech DLA-UV (with Gray Tint)

Double Strength Glass

3/4" IG Thickness

Colonial Contoured Grid - 1V x 0H

White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

The jamb pocket for custom painted double hung windows is not painted, it will match the base vinyl color.

The bulb seal is on the exterior of the window, make sure the bulb seal color is the closest match to the Textured Matte Coal Black exterior.

Painted windows require additional lead time.

### Installation Instructions



### SIZING

Opening Width Range: 42 1/4" to 42 1/2"

Opening Height Range: 58 1/4" to 59 1/4"

Window Size: 42" x 58"

United Inches: 100

Egress Size: 37" x 21 27/32"

Egress Square Foot: 5.6204

Egress Meets Criteria: No

Top Sash Size: 38" x 27 9/16"

Top Glass Size: 36 3/16" x 25 13/16" x 3/4"

Top Glass Viewable Size: 35 3/16" x 24 13/16"

Bottom Sash Size: 39" x 28 9/16"

Bottom Glass Size: 36 3/16" x 25 13/16" x 3/4"

Bottom Glass Viewable: 35 3/16" x 24 13/16"

Size:

Full Screen: 38 7/16" x 55 5/16"

Screen Mull Location: 27"

### Structural

Product: Vinyl Double Hung

Cert #: 462-H-001.01

Class: LC-PG50

Max Test Size: 44" x 75"

Test Std: AAMA/WDMA/CSA  
101/1.5.2/A440-11



### ENERGY

#### ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P)

Solar Heat Gain Coefficient

0.27

0.20

#### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

Condensation Resistance

0.29

61.00

Air Infiltration (cfm/ft2)

<= 0.05

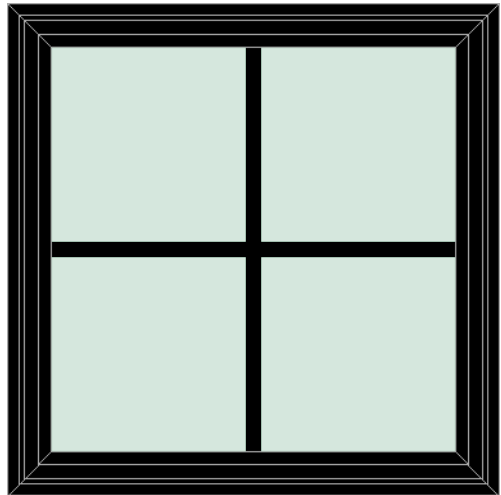
ENERGY STAR

Southern / South-Central

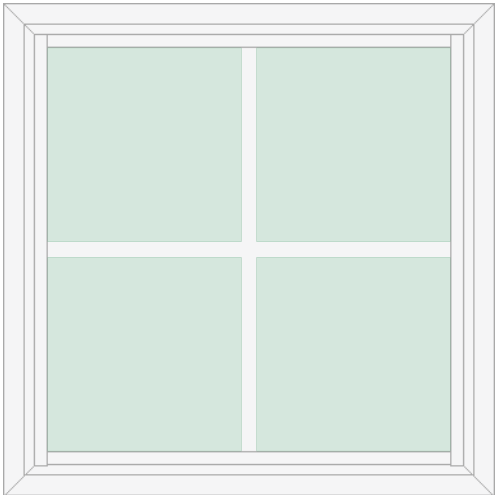
STC: 27; OITC: 24; Acoustic Test Report: f2964.01-113-11

# YOUR PROFESSIONAL-CLASS PRODUCT

## Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW



INSIDE VIEW

### SIZING

Opening Width Range: 24 1/4" to 24 1/2"  
Opening Height Range: 24 1/4" to 25 1/4"  
Window Size: 24" x 24"  
United Inches: 48  
Fixed Glass Size: 19 13/16" x 19 13/16" x 3/4"  
Fixed Glass Viewable Size: 18 15/16" x 18 7/8"

### Structural

Product: Vinyl Picture Window  
Cert #: 462-P-007.08  
Class: R-PG55  
Max Test Size: 40" x 52"  
Test Std: AAMA/WDMA/CSA  
101/1.5.2/A440-17



### ENERGY

#### ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.26 0.20

#### ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.48 60.00

Air Infiltration (cfm/ft2)

<= 0.01

ENERGY STAR

Southern / South-Central



877.389.0835  
2150 State Route 39  
Sugar Creek, OH 44681

### QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Bathroom  
Order #12659820-13  
Qty: 1

### DETAILS

#### Endure Window - EN600 Series

609 - Picture Window  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
FineLine  
Exact Size: 24" x 24"  
Graphite Foam Insulation  
Head Expander and Sill Extender  
Accessory Groove Filler Strip - Both Sides (Loose)  
ComforTech DLA-UV  
Single Strength Glass  
3/4" IG Thickness  
Colonial (Standard) Contoured Grid - 1V x 1H  
White Inside / Coal Black Outside Grids

### INFORMATION AND WARNINGS

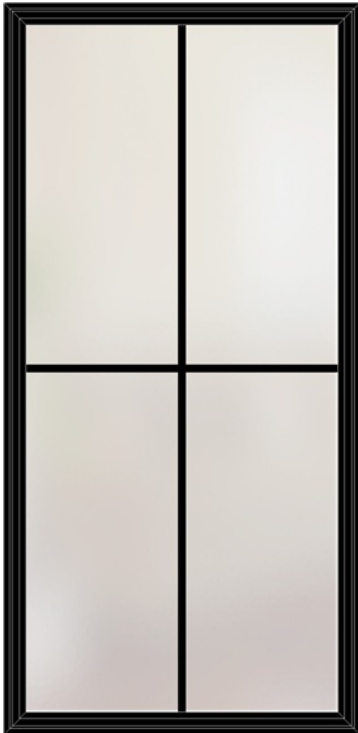
Painted windows require additional lead time.

#### Installation Instructions



# YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW



INSIDE VIEW

## SIZING

Opening Width Range: 34 1/4" to 34 1/2"  
Opening Height Range: 70 1/4" to 71 1/4"  
Window Size: 34" x 70"  
United Inches: 104  
Fixed Glass Size: 29 13/16" x 65 13/16" x 3/4"  
Fixed Glass Viewable Size: 28 15/16" x 64 7/8"

## Structural

**Air:**  
0.01 cfm/ft<sup>2</sup> @ 1.57 psf  
ASTM E 283

**Water:**  
12.11 psf  
ASTM E 547

**Structural:**  
CW-PG35 118mph  
AAMA/WDMA/CSA 101/LS.2/A440-08 and 11  
DP 35

## ENERGY

**ENERGY PERFORMANCE RATINGS**

U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.25	0.20

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Condensation Resistance
0.47	59.00

Air Infiltration (cfm/ft<sup>2</sup>)  
**<= 0.01**

**ENERGY STAR**  
North-Central / South-Central /  
Southern Regions



877.389.0835  
2150 State Route 39  
Sugarcreek, OH 44681

## QUOTE INFORMATION

Job: Dennis Barberic  
Tag: Garage  
Order #12659820-14  
Qty: 2

## DETAILS

**Endure Window - EN600 Series**  
609 - Picture Window  
White Inside / Textured Matte Coal Black Outside  
White Base Vinyl Color  
FineLine  
Exact Size: 34" x 70"  
Graphite Foam Insulation  
Head Expander and Sill Extender  
Accessory Groove Filler Strip - Both Sides (Loose)  
Comfortech DLA-UV (with Frosted Privacy Glass)  
Double Strength Glass  
3/4" IG Thickness  
Cottage Contoured Grid - 1V x 1H  
White Inside / Coal Black Outside Grids

## INFORMATION AND WARNINGS

Actual privacy levels will vary depending on the amount of light in the room, in comparison to the light outside your home.  
Painted windows require additional lead time.

## Installation Instructions



# PURCHASE AGREEMENT

Terms & Conditions:  
Price pending upon field verification.



## QUOTE INFORMATION

Job: Dennis Barberic  
Order #12659820  
Qty: 0

**Dealer**

\_\_\_\_\_

Name (Print)

\_\_\_\_\_

Name (Sign)

\_\_\_\_\_

Date

**Purchaser**

\_\_\_\_\_

Name (Print)

\_\_\_\_\_

Name (Sign)

\_\_\_\_\_

Date