SYNERGY
ENGINEERING SERVICES

153 E South St, Unit 644
Wooster, OH, 44691
330-617-5280
www.Syn-Eng.com

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^2
Roof Live Load:	20 lb/ft^2
Ground Snow Load:	25 lb/ft^2
Wind Speed (V_{ult}):	115 mi/hr
Exposure Category:	B
Risk Category:	II
Seismic Design Category:	B
Soil Bearing Capacity:	1500 lb/ft^2
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

STATE OF OHIO
DOUGLAS J. PERKINS
PE-82329
REGISTERED PROFESSIONAL ENGINEER
Douglas J Perkins, PE
Digitally signed by Douglas J Perkins, PE
Date: 2025.04.12 11:35:48-04'00'

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/360)
  - SLEEPING 30 LL/ 10 DL (L/360)
* 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 o/ 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 CORES (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 (RCO) 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 (2-3) 2x12 w/ 7/16" OSB SHEATHING (UNLESS NOTED OTHERWISE)
* LVL SIZING BASED on 2.0 E GP LAM LVL by FINNFOREST (Fb 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 SIRUCTURAL 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 TRUSS to 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 (36" wide) SHALL BE INSTALLED @ ALL ROOF EAVES
* VALLEYS SHALL BE WOVEN SHINGLES o/ 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

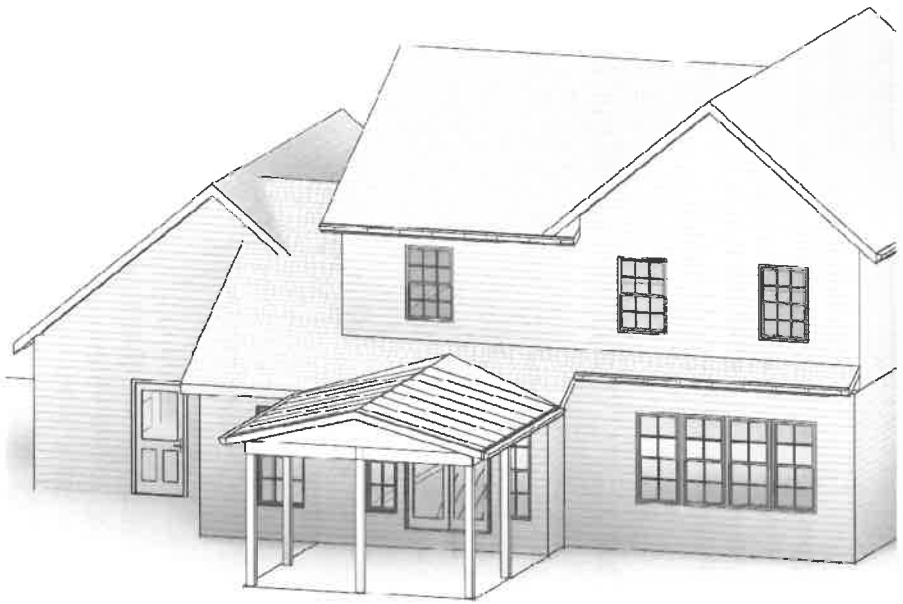
WINDOWS & DOORS

* MWINCO S-SERIES WINDOWS & PATIO DOORS WITH INSULATING GLASS & SCREENS
  - U-FACTOR RANGE 0.26-0.31
* PROVIA EXTERIOR DOORS
  - U-FACTOR RANGE 0.17-0.25

ALL WINDOWS & DOORS SHALL BE LISTED/LABELED PER NFRC 100 OR AAMA/ WDMA/CSA 101/ I.S.2/A440-05

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 217 INSTALLED PER NFPA 72-2016
* 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, & HANGERS FOR PRESERVATIVE PRESSURE TREATED WOOD SHALL BE OF HOT-DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE OR COPPER COATING TYPES & WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTUER'S RECOMMENDATIONS

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

DRAWN BY: C.S.
ISSUE DATE: 4/17/2025 9:26:15 AM

SHEET # A-01

Dennis Barberic

PROJECT TYPE: COVERED PORCH

Project: 248 West Prospect Street
Location: Hudson, Ohio 44236

SHEET TITLE: COVER PAGE

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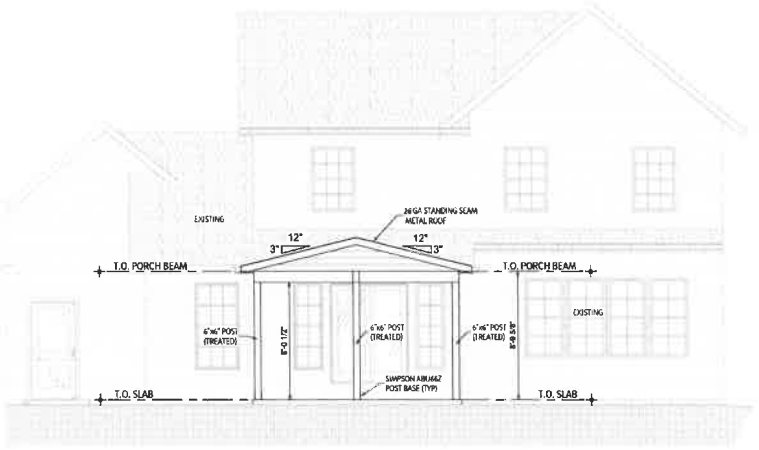
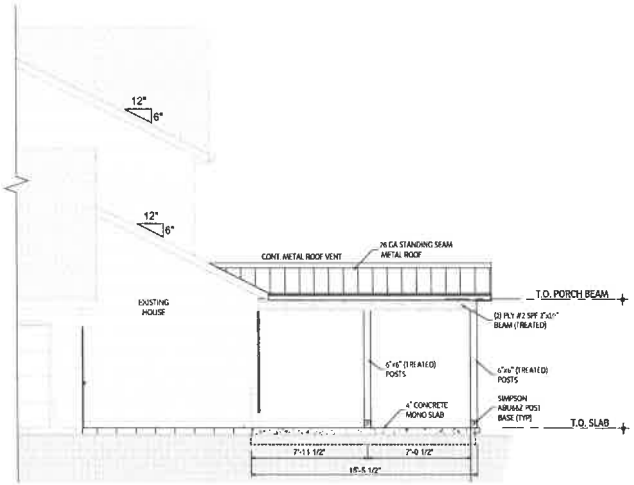
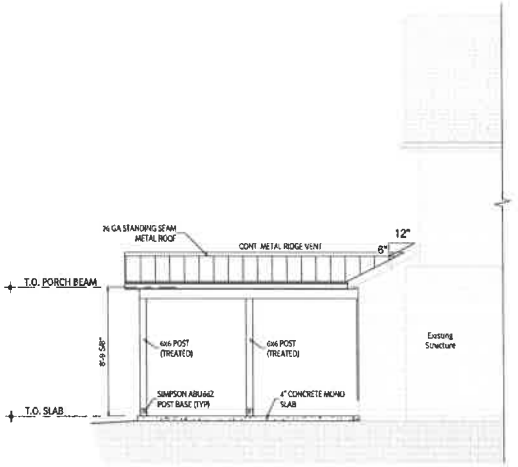
KLINE HOME EXTERIORS & RESTORATION
6886 COUNTY RD 198, DUNDEE, OHIO 44624
EMAIL: klinehomeexteriors.com PH: 330 601-2749



② PORCH ELEVATION
1/4" = 1'-0"



① LEFT ELEVATION
1/4" = 1'-0"



③ RIGHT ELEVATION
1/4" = 1'-0"

SHEET #
A-02

DRAWN BY: C.S.
ISSUE DATE: 4/12/2025 9:26:15 AM
Project: 148 West Prospect Street
Location: Hudson, Ohio 44236
SHEET TITLE:
ELEVATIONS

Dennis Barberic

PROJECT TYPE: COVERED PORCH

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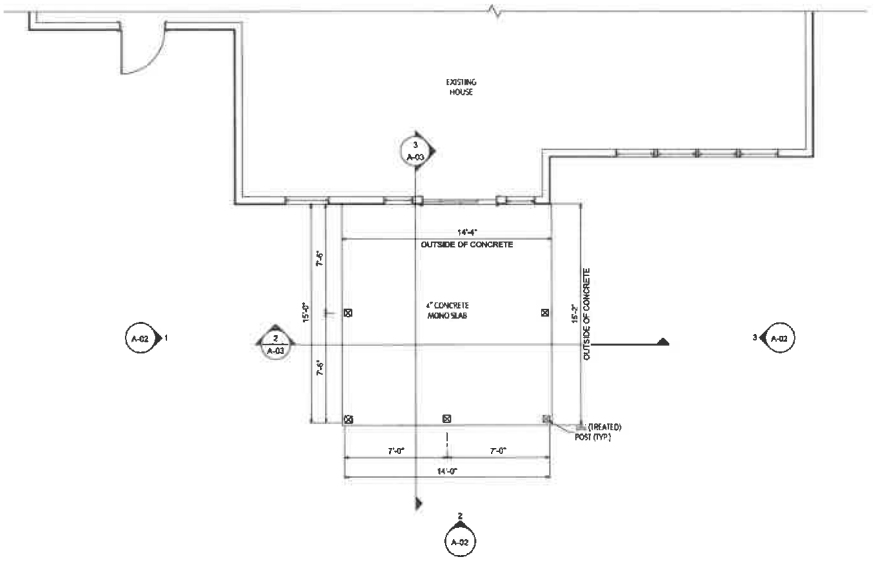
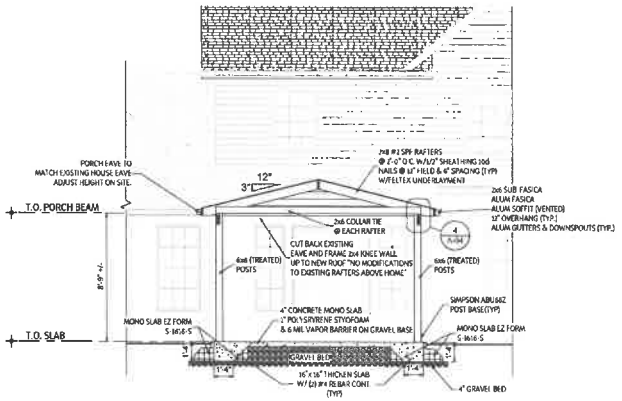
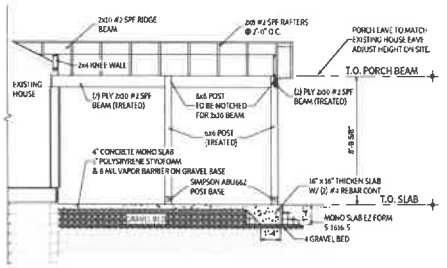


① COVERED PORCH LAYOUT
1/4" = 1'-0"



② PORCH SECTION
1/4" = 1'-0"



③ PORCH SECTION
1/4" = 1'-0"

SHEET # A-03

DRAWN BY: C.S.
ISSUE DATE: 4/17/2025 9:26:16 AM

Dennis Barberic

Project: 148 West Prospect Street
Location: Hudson, Ohio 44236

PROJECT TYPE: COVERED PORCH

SHEET TITLE:
FLOOR PLAN / SECTIONS

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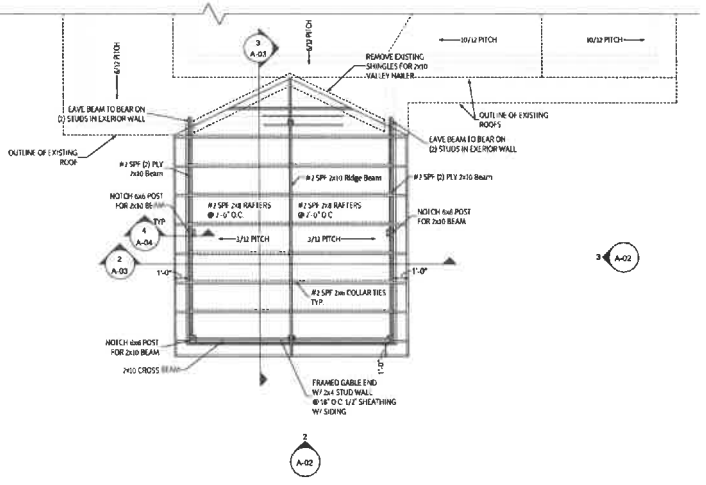
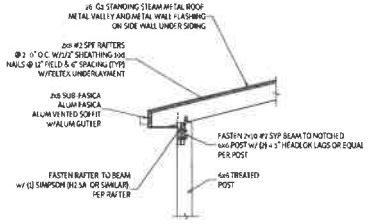
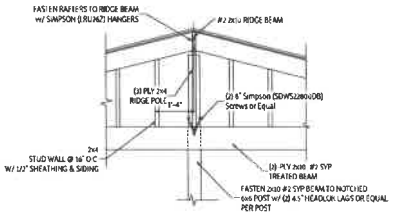


1 ROOF FRAMING PLAN
1/4" = 1'-0"



4 RAFTER TO BEAM DETAIL
1/2" = 1'-0"



3 GABLE END DETAIL
1/2" = 1'-0"

KLINE
EXTERIORS & RESTORATION
8886 COUNTY RD. 196, DUNDEE, OHIO 44624
EMAIL: klinehomeexteriors.com PH: 330 801-2749

DRAWN BY: C.S.
ISSUE DATE: 4/22/2025 9:26:16 AM
PROJECT TYPE: COVERED PORCH
Dennis Barberic
Project: 340 West Prospect Street
Location: Hudson Ohio 44236
SHEET TITLE: ROOF FRAMING
SHEET # A-04

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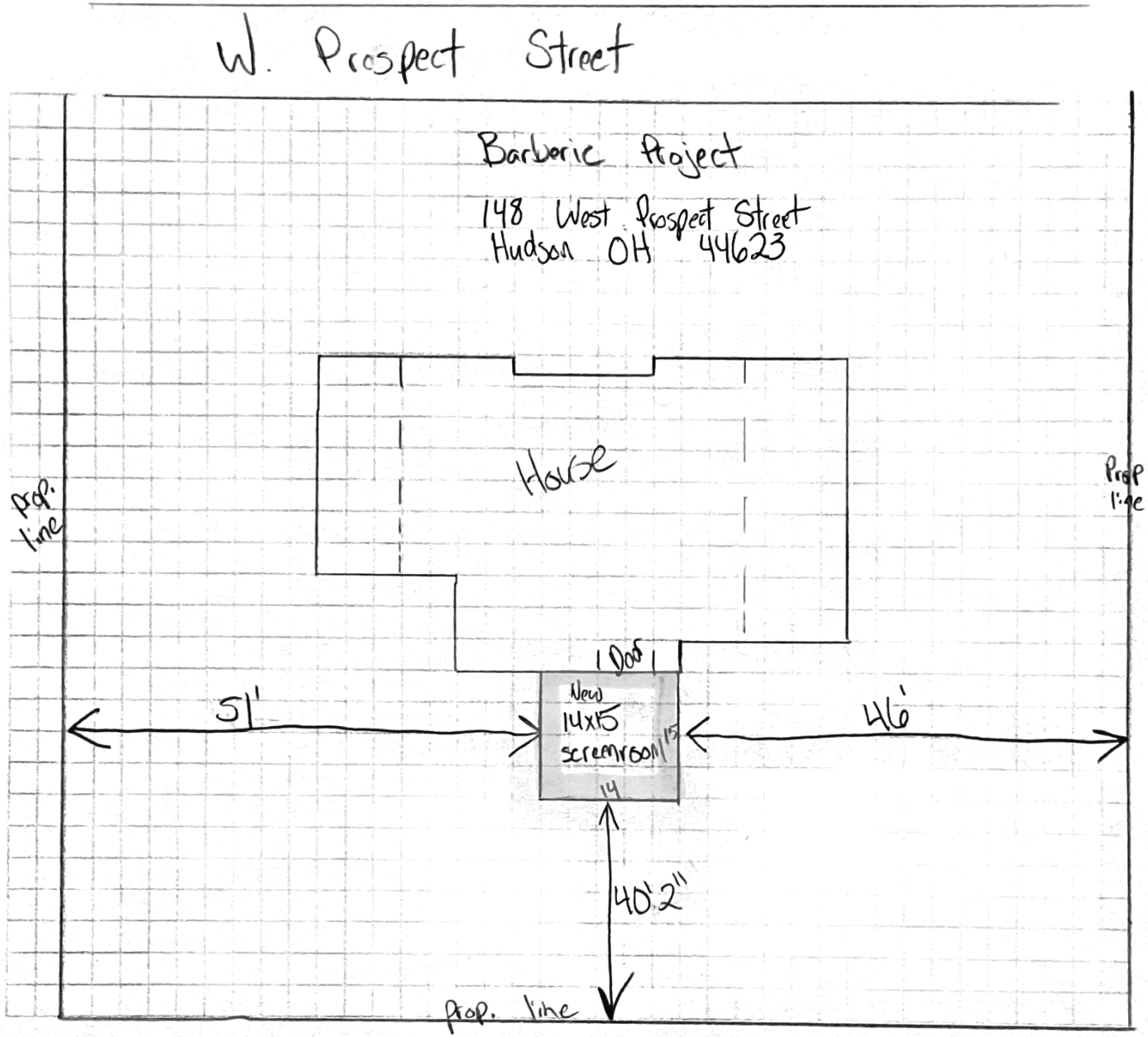
Using the page below, please draw a site plan showing the proposed fence, shed or pool. You may also use an aerial view of your property from the Summit County GIS, Google or other as a base map.



Existing Photo

Replace Siding (Hardi Board)
Windows
Doors
Roof

Proposed
Chantilly Lace
Benjamin Moore
Estate Gray
Owens Corning Duration Shingles
Revision 0205
Andalucia 6 Lite
Grand Entry Doors
Darlana Lights
Visual Comfort
Black Gutters
Tricorn Black
Sherwin Williams
Corbel
Horizontal Trim Board

Existing Photo

Replace Siding (Hardi Board)
Windows
Doors
Roof

Proposed

Revision

Brick Wash

Existing Photo

Replace Siding (Hardi Board)
Windows
Doors
Roof

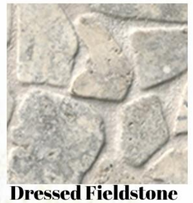
Revision

Clopay Recessed Panel
Bridgeport

Darlana Tall
Visual Comfort

Chantilly Lace
Benjamin Moore

Tricorn Black
Sherwin Williams



Dressed Fieldstone
Echo Ridge

Proposed

Existing Photo

Replace Siding (Hardi Board)
Windows
Doors
Roof

Chantilly Lace
Benjamin Moore

Estate Gray
Owens Corning - Duration Shingles

Black Gutters

Tricorn Black
Sherwin Williams

Cylinder Light

Revision in reference to Design 2 FRONT

Proposed

YOUR PROFESSIONAL-CLASS PRODUCT

Signet Oak Fiberglass French Door with Clear Glass

ProVia THE PROFESSIONAL WAY
877.389.0835
2150 State Route 39
Sugarcreek, OH 44681

OUTSIDE VIEW

INSIDE VIEW

QUOTE INFORMATION

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

DETAILS

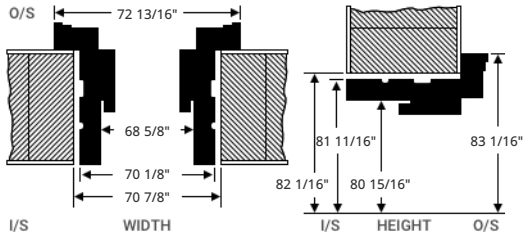
Signet French Entry Door in FrameSaver Frame
68" x 80" Nominal Size
Unit Size: 70 1/8" x 81 11/16"
Frame Depth: 6 5/16"
2" Standard Brickmold
Right Hand Inswing - Left Door Active (ISLO)

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

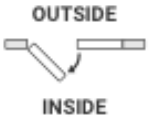
Hardware
All Hardware in Black Finish
Century Grip Entrance Handle Outside
Latitude/Century Lever Inside - Both Doors
Century Thumbturn Deadbolt - Both Doors

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

SIZING



HANDING



Installation Instructions

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S/I-P)	Solar Heat Gain Coefficient
0.24	0.09

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance	
0.17	-

Air Infiltration (cfm/ft2)
<= 0.05

ENERGY STAR® Certified In All 50 States.

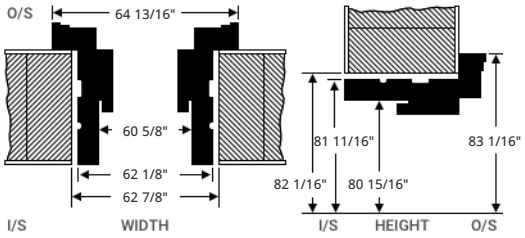
YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass French Door with Clear Glass

OUTSIDE VIEW

INSIDE VIEW

SIZING



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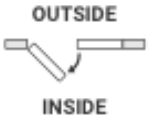


Installation Instructions

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S/I-P)	Solar Heat Gain Coefficient
0.24	0.11

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance	
0.24	-

Air Infiltration (cfm/ft2)

<= 0.03

ENERGY STAR® Certified In All 50 States.

ProVia THE PROFESSIONAL WAY
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

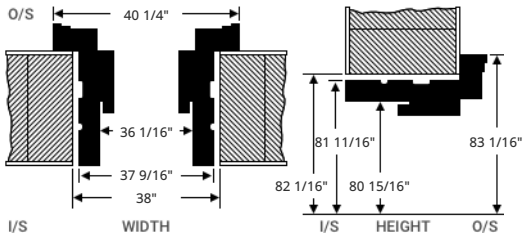
YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass Entry Door

OUTSIDE VIEW

INSIDE VIEW

SIZING



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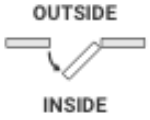


Installation Instructions

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

ProVia THE PROFESSIONAL WAY

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

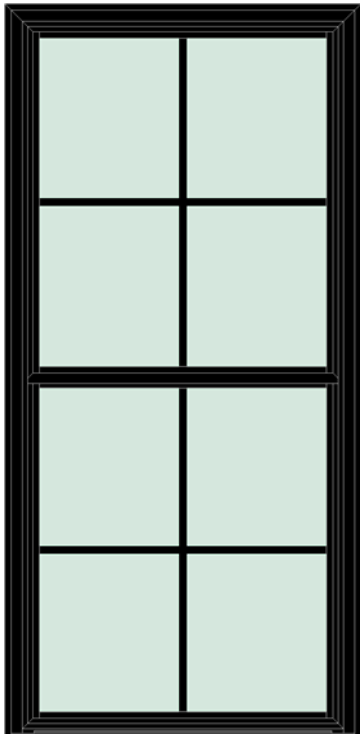
All Hardware in Black Finish
Georgian Lockset
Thumbturn Deadbolt

Frame

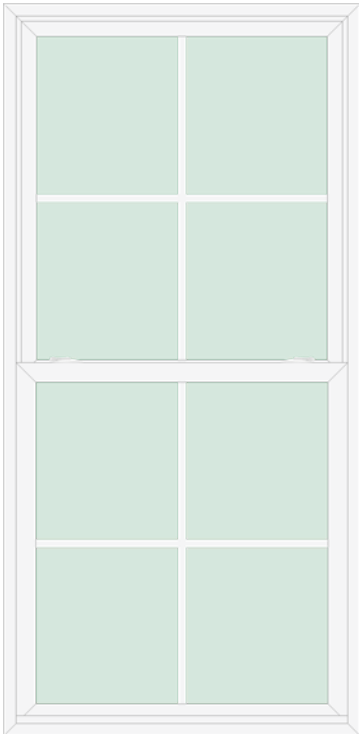
Textured Snow Mist White Aluminum Frame Cladding
Snow Mist White Inside Frame
1 Tube of Snow Mist White Caulk
Mill Finish ZAI Adjustable Threshold (6 3/8" Depth)
Black Ball Bearing Hinges
4 Hinges
Security Plate

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

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 Size:	27 3/16" x 30 13/16"
Full Screen:	30 7/16" x 67 5/16"
Screen Mull Location:	33"

Structural

Air:
0.05 cfm/ft2 @ 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/ft2)
<= 0.05

ENERGY STAR
Southern / South-Central

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

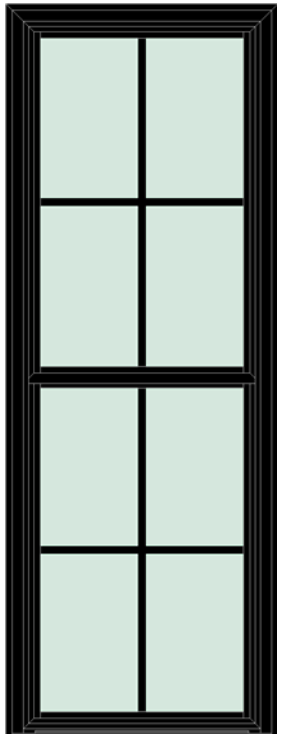
INFORMATION AND WARNINGS

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.

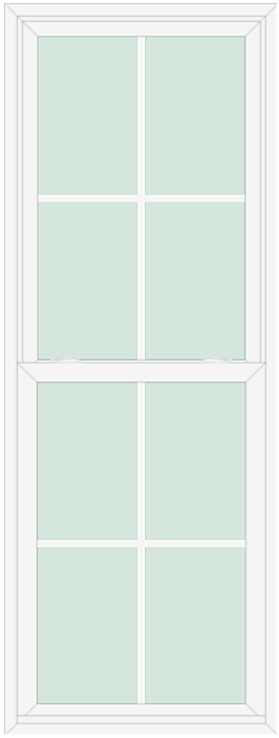
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

ProVia
THE PROFESSIONAL WAY

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

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 Size:	19 3/16" x 30 13/16"
Full Screen:	22 7/16" x 67 5/16"
Screen Mull Location:	33"

Structural

Air:
0.05 cfm/ft2 @ 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/ft2)
<= 0.05

ENERGY STAR
Southern / South-Central

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

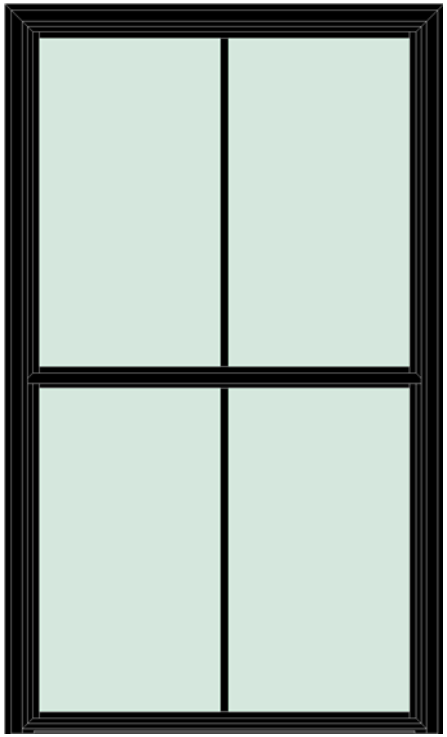
INFORMATION AND WARNINGS

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.

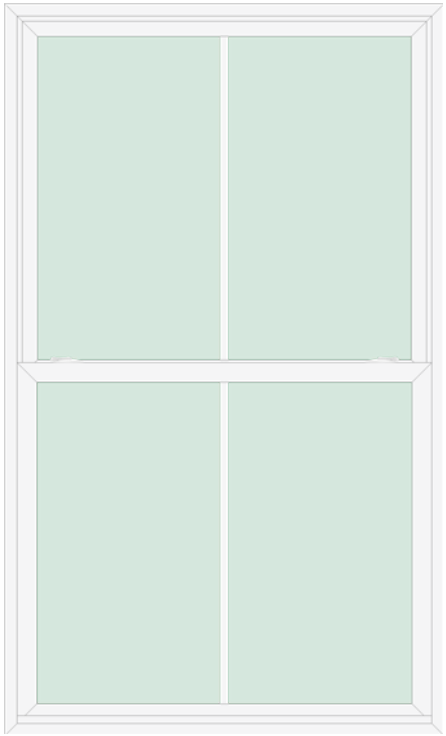
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

ProVia
THE PROFESSIONAL WAY

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 Size:	35 3/16" x 30 13/16"
Full Screen:	38 7/16" x 67 5/16"
Screen Mull Location:	33"

Structural

Air:
0.05 cfm/ft2 @ 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/ft2)
<= 0.05

ENERGY STAR
Southern / South-Central

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

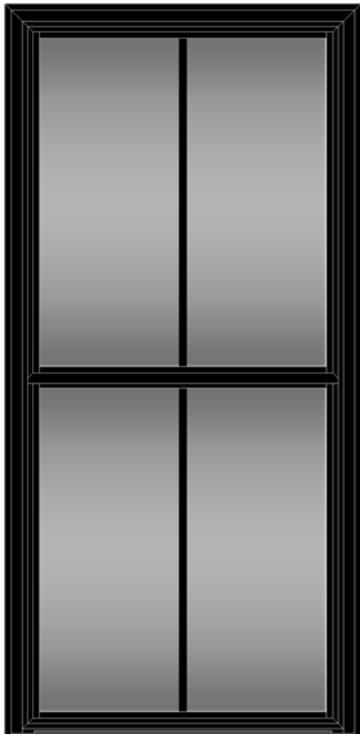
INFORMATION AND WARNINGS

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.

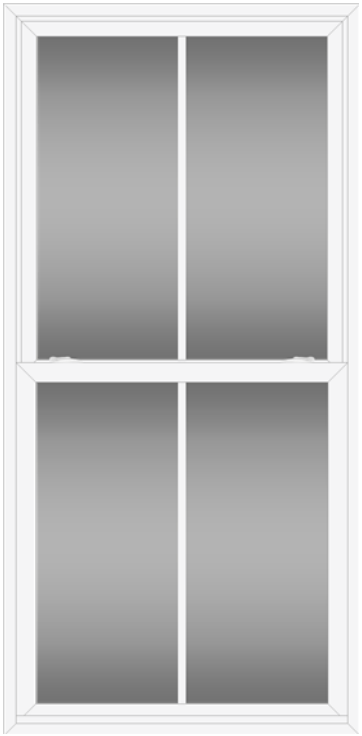
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

ProVia THE PROFESSIONAL WAY

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

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 Size:	27 3/16" x 30 13/16"
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

WINDOW & DOOR MANUFACTURERS ASSOCIATION
WDMA
Hallmark Certification

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

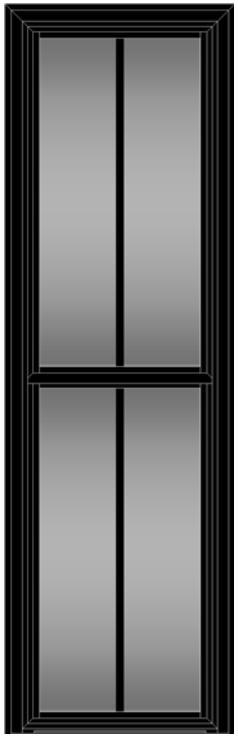
INFORMATION AND WARNINGS

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.

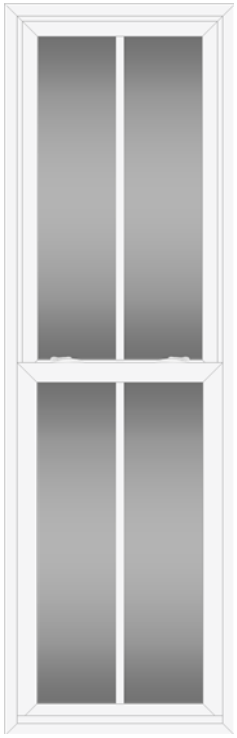
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

ProVia THE PROFESSIONAL WAY

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

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"
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

WINDOW & DOOR MANUFACTURERS ASSOCIATION
WDMA
Hallmark Certification

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

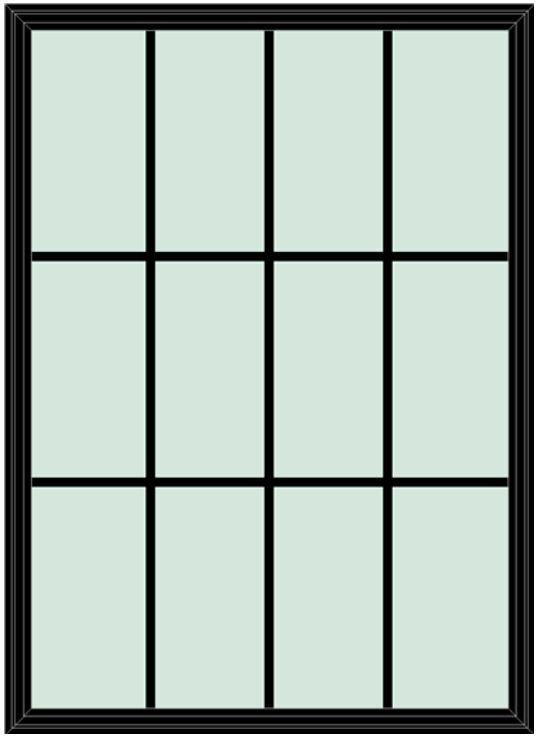
INFORMATION AND WARNINGS

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.

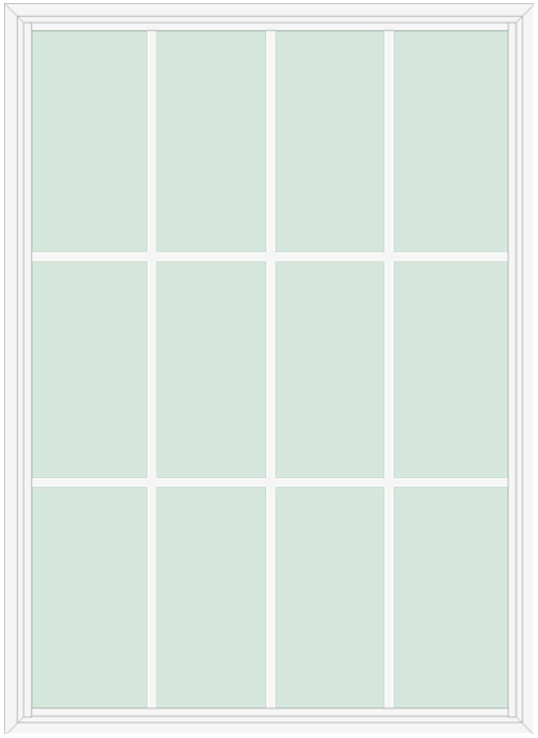
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW



INSIDE VIEW

ProVia
THE PROFESSIONAL WAY

877.389.0835
2150 State Route 39
Sugarcreek, 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

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/I.S.2/A440-17

WINDOW & DOOR MANUFACTURERS ASSOCIATION
WDMA
Hallmark Certification

ENERGY

ENERGY PERFORMANCE RATINGS

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

ADDITIONAL PERFORMANCE RATINGS

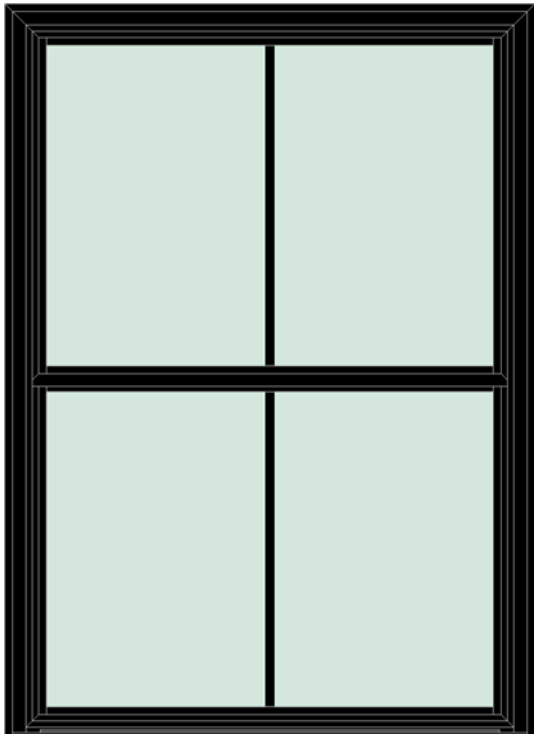
Visible Transmittance	Condensation Resistance
0.47	59.00

Air Infiltration (cfm/ft2)
<= 0.01

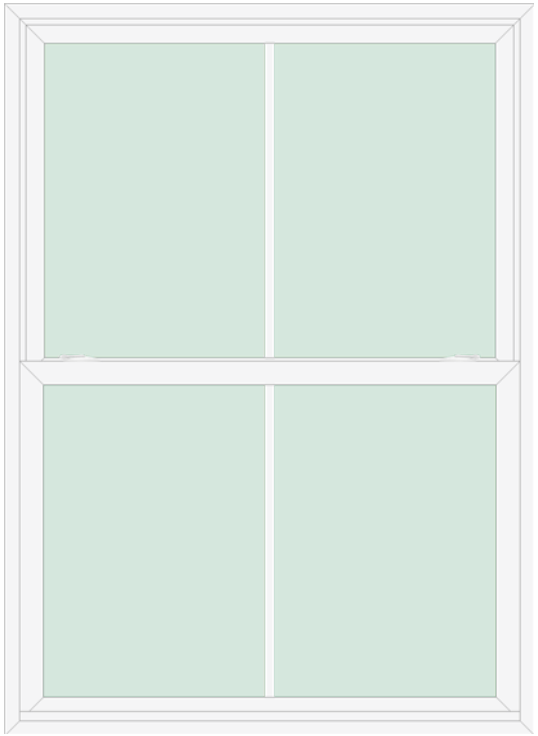
ENERGY STAR
North-Central / South-Central / Southern Regions

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: 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

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 Size:	35 3/16" x 24 13/16"
Full Screen:	38 7/16" x 55 5/16"
Screen Mull Location:	27"

Structural

Air:
0.05 cfm/ft2 @ 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/ft2)
<= 0.05

ENERGY STAR
Southern / South-Central

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

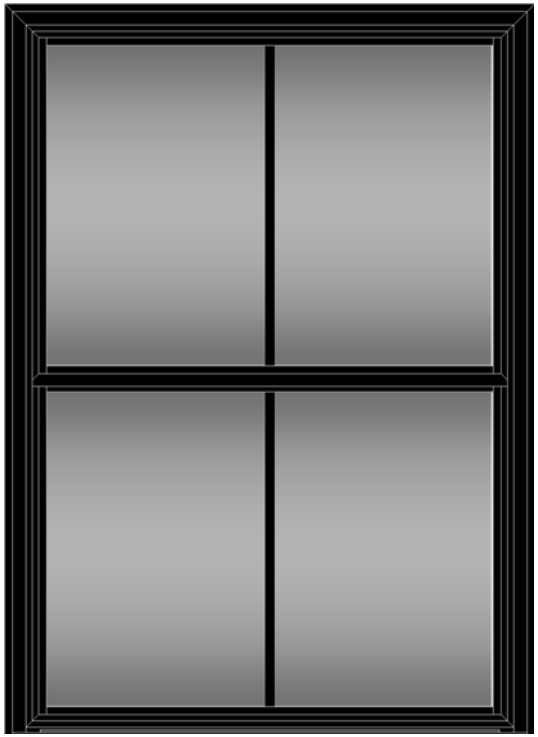
INFORMATION AND WARNINGS

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.

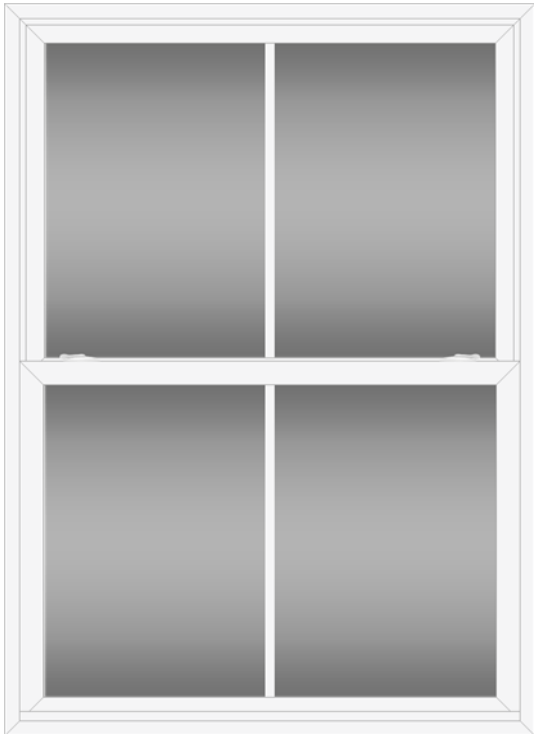
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

ProVia THE PROFESSIONAL WAY

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

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 Size:	35 3/16" x 24 13/16"
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/I.S.2/A440-11

WINDOW & DOOR MANUFACTURERS ASSOCIATION
WDMA
Hallmark Certification

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

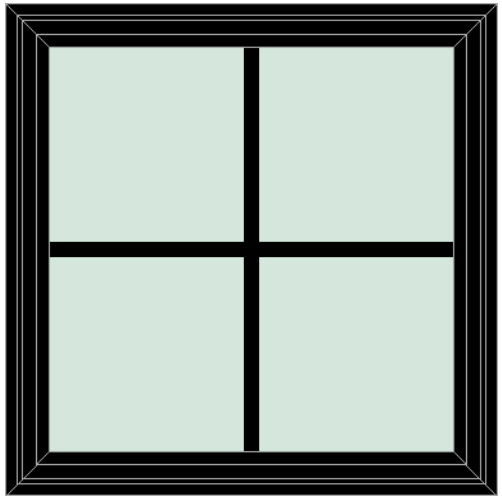
INFORMATION AND WARNINGS

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.

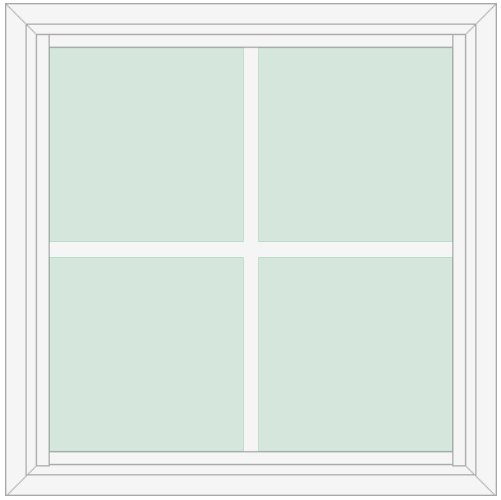
Installation Instructions

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW



INSIDE VIEW

ProVia THE PROFESSIONAL WAY

877.389.0835
2150 State Route 39
Sugarcreek, 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

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/I.S.2/A440-17

WINDOW & DOOR MANUFACTURERS ASSOCIATION
WDMA
Hallmark Certification

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S/I-P)	Solar Heat Gain Coefficient
0.26	0.20

ADDITIONAL PERFORMANCE RATINGS

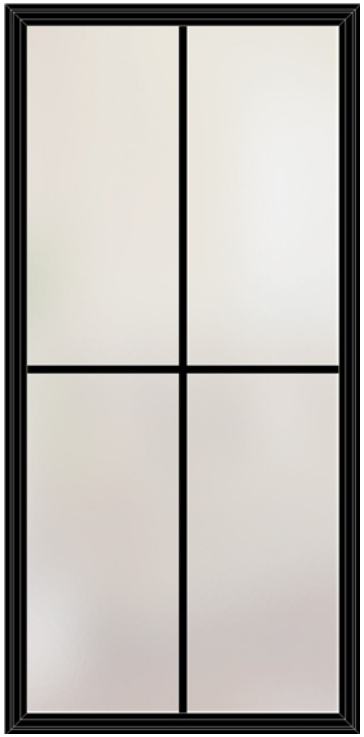
Visible Transmittance	Condensation Resistance
0.48	60.00

Air Infiltration (cfm/ft2)
<= 0.01

ENERGY STAR
Southern / South-Central

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 609 - Picture Window



OUTSIDE VIEW

INSIDE VIEW

ProVia
THE PROFESSIONAL WAY

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

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/ft2 @ 1.57 psf
ASTM E 283

Water:
12.11 psf
ASTM E 547

Structural:
CW-PG35 118mph
AAMA/WDMA/CSA 101/I.S.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/ft2)
<= 0.01

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

PURCHASE AGREEMENT

877.389.0835
2150 State Route 39
Sugarcreek, OH 44681

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