

HISTORICAL PROJECT – WINDOW REPLACEMENT

Home Owner – Bert Wortel

245 Marcy St



RENEWAL BY ANDERSEN – Portsmouth, NH

EXTERIOR – FRONT / SIDE



EXTERIOR – SIDE



EXTERIOR – SIDE/REAR



EXTERIOR – REAR



WHY THEY NEED REPLACED

The homeowner is looking to update and replace (29) windows, (2) entry doors and (1) patio door.

The homeowner is looking to replace the windows with Andersen wood composite – Exterior White, Interior White, the front door with signet smooth fiberglass and the rear entry door with Heritage smooth fiberglass .

The homeowner would like to update the windows and doors to modern standards, the ease of operation and increase the windows and doors energy efficiency while maintaining the traditional look of the home.

Our goal is to keep to the original look of the windows and doors while updating the design so that the homeowners can use this room with more comfort and ease.



#101, #102, #114, #113, # 201, #202, #203, Double-Hung (DG), 1:1,
Exterior White, Glass: All Sash: High Performance SmartSun with
HeatLock Glass, White, Window, Opening Control Device, **Grille Style:**
Full
Divided Light (FDL with spacer) **Grille Pattern:** All Sash: Colonial 2w x 2h

EXTERIOR – SIDE



#301 Double-Hung (DG), Reverse Cottage 2:1, Exterior White
#210, #211, #110, #111, #112 Double-Hung (DG), 1:1, Exterior White,
Glass: All Sash: High Performance SmartSun with HeatLock Glass,
White, Window, Opening Control Device, **Grille Style:** Full
Divided Light (FDL with spacer) **Grille Pattern:** All Sash: Colonial 2w x 2h

EXTERIOR – SIDE



#302 Double-Hung (DG), Reverse Cottage 2:1, Exterior White
#103, #104, #204, #207- #208, Double-Hung (DG), 1:1, Exterior White,
Glass: All Sash: High Performance SmartSun with HeatLock Glass,
White, Window, Opening Control Device, **Grille Style:** Full
Divided Light (FDL with spacer) **Grille Pattern:** All Sash: Colonial 2w x
2hC

EXTERIOR – REAR



#206, #105 - #109 Double-Hung (DG), 1:1, Exterior White, Glass: All Sash: High Performance SmartSun with HeatLock Glass, White, Window, Opening Control Device, **Grille Style:** Full Divided Light (FDL with spacer) **Grille Pattern:** All Sash: Colonial 2w x 2h

EXTERIOR – REAR



#108, #109 Double-Hung (DG), 1:1, Exterior White, Glass: All Sash: High Performance SmartSun with HeatLock Glass, White, Window, Opening Control Device, **Grille Style:** Full Divided Light (FDL with spacer) **Grille Pattern:** All Sash: Colonial 2w x 2h

Our Product – [Fibrex Material](#)



Click on “Fibrex Material” to watch How Fibrex is Made

Fibrex 20 Year [Durability Study](#)

Click on “Durability Study” to watch 20 Year Durability Test

What are Renewal by Andersen® windows made of?

All of our windows are made of Fibrex® material, a revolutionary composite made from reclaimed wood fiber blended with a polymer. This gives our windows the strength and durability of wood and the low-maintenance features of vinyl, while greatly limiting thermal transmittance that can be found in other window materials such as metal.

Unlike many other window materials, Fibrex composite material won't flake, rust, blister, peel, crack, pit, or corrode.¹ It is also two times stronger than vinyl and resists warping and bowing. Never worry about scraping or painting your windows again.

ENGINEERED WITH
FIBREX
MATERIAL

ANDERSEN
EXCLUSIVE
FEATURE

Smart Materials

Fibrex material is twice as strong as vinyl, so weathertight seals stay weathertight.

Color Choice

Our unique process fuses color to Fibrex material for long-lasting beauty. And it offers dark exterior colors not available on most other replacement windows.

Exceptional Comfort

Fibrex material blocks thermal transfer nearly 700 times better than aluminum to help reduce heating and cooling bills.

Outstanding Durability

Fibrex material retains its stability and rigidity in all climates.¹

	FIBREX MATERIAL	VINYL	ALUMINUM	WOOD
Insulating Properties	✓	✓		✓
Low Maintenance	✓	✓	✓	
Resistance to Decay/Corrosion	✓	✓		
Structural Rigidity	✓		✓	✓
Durability	✓		✓	✓
Color Choices	✓			✓
Dark Color Performance	✓		✓	✓



Replace Old Expectations

We believe your Renewal by Andersen® experience is about more than just windows. It's about caring for you and your home, every step of the way.

We own our entire process, from start to finish. What does that mean for you? It means we listen. It means we measure, we build, and we install. And it means we promise to stand by our product, today, tomorrow, and years into the future.

A Heritage That Looks to the Future

For more than a century, Andersen® products and patents have revolutionized the window and door industry. We pair that legacy of quality and innovation with a skilled team of specialists who are dedicated to making sure your window replacement is the best home improvement project you've ever done.

From Our Family to Yours

Your home is unique. It shouldn't be treated like every other house on the block. This is the place where you and your family are making memories and celebrating moments, both big and small. We want to make sure your new windows suit your home life.

You only want to replace your windows one time, so who you choose to do your project is important. When you work with Renewal by Andersen, you know you'll get an exclusive product that is durable, customizable, and beautiful. And you know we'll take care of you – and your home – from start to finish, and beyond.

the best **PEOPLE**

a superior **PROCESS**

an exclusive **PRODUCT**

From consultation to installation, Renewal by Andersen offers one-company accountability backed by a legacy of excellence. We're proud to work with the best people, offer a superior, start-to-finish replacement process, and provide you with exclusive, industry-leading products. **THAT'S RENEWAL BY ANDERSEN SIGNATURE SERVICE.**



Preserving the historic architecture visually!



PERFORMANCE RATINGS AND TEST DATA

NFRC Total Unit Performance (continued)

Renewal by Andersen® Product	High Performance Glass Type		U-Factor (BTU/(hr ft2 oF)) ¹		Solar Heat Gain Coefficient (SHGC) ²		VT ³
			Air	HP Gas Blend	Air	HP Gas Blend	
Double-Hung DG (All Frames)	Clear	Without Grilles	0.46	-	0.58	-	.82
		Full Divided Light Grilles	0.46	-	0.52	-	
	Low-E4®	Without Grilles	0.33	0.30	0.31	0.31	.72
		Full Divided Light Grilles	0.34	0.31	0.28	0.28	
	Low-E4® Sun	Without Grilles	0.33	0.30	0.20	0.19	.40
		Full Divided Light Grilles	0.35	0.31	0.18	0.17	
	Low-E4® SmartSun™	Without Grilles	0.32	0.29	0.21	0.21	.65
		Full Divided Light Grilles	0.34	0.30	0.19	0.19	
	Low-E4® SmartSun with HeatLock™	Without Grilles	0.27	0.25	0.20	0.20	.63
		Full Divided Light Grilles	0.30	0.27	0.18	0.18	
	Enhanced Triple Pane	Without Grilles	n/a	0.20	n/a	0.29	.47
	Enhanced Triple pane with SmartSun™	Without Grilles	n/a	0.20	n/a	0.19	.43
	Impact Resistant Clear Glass	Without Grilles	0.48	n/a	0.49	n/a	.54
		Full Divided Light Grilles	0.48	n/a	0.49	n/a	
	High Performance Impact Resistant (HPIR) Glass	Without Grilles	0.32	0.28	0.28	0.28	.47
		Full Divided Light Grilles	0.33	0.28	0.28	0.28	
	HPIR SmartSun™ Glass	Without Grilles	0.31	0.32	0.19	0.19	.42
		Full Divided Light Grilles	0.37	0.32	0.19	0.19	
HPIR Sun Glass	Without Grilles	0.37	0.32	0.18	0.18	.26	
	Full Divided Light Grilles	0.37	0.33	0.18	0.18		
HPIR SmartSun with Heatlock™ Glass	Without Grilles	0.31	0.28	0.18	0.18	.41	
	Full Divided Light Grilles	0.31	0.28	0.18	0.18		
Double-Hung DB (Full Frame)	Clear	Without Grilles	0.46	0.44	0.57	0.57	.82
		Full Divided Light Grilles	0.46	0.44	0.51	0.51	
	Low-E4®	Without Grilles	0.33	0.30	0.31	0.31	.72
		Full Divided Light Grilles	0.34	0.31	0.28	0.28	
	Low-E4® Sun	Without Grilles	0.33	0.30	0.19	0.19	.40
		Full Divided Light Grilles	0.35	0.31	0.18	0.17	
	Low-E4® SmartSun™	Without Grilles	0.33	0.29	0.21	0.21	.65
		Full Divided Light Grilles	0.34	0.30	0.19	0.19	
	Low-E4® SmartSun with HeatLock™	Without Grilles	0.28	0.25	0.20	0.20	.63
		Full Divided Light Grilles	0.28	0.25	0.18	0.18	
	Enhanced Triple Pane	Without Grilles	n/a	n/a	n/a	n/a	n/a
	Enhanced Triple pane with SmartSun™	Without Grilles	n/a	n/a	n/a	n/a	n/a

Low-E4® SmartSun™, "Low-E4® Sun", "Low-E4® Sun" and HeatLock™ are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft2. °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](https://www.andersenwindows.com/nfrc) for specific performance values.

2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.

3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

* NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

* This data is accurate as of April 2021. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass with capillary breather tubes for high altitudes, etc. "Low-E4®", "Low-E4® SmartSun™" and "Low-E4® Sun"

FRONT ENTRY DOOR



YOUR PROFESSIONAL-CLASS PRODUCT

Signet Smooth Fiberglass Entry Door with Clear Glass



877.389.0835
2150 State Route 39
Sugarcreek, OH 44681



OUTSIDE VIEW



INSIDE VIEW

QUOTE INFORMATION

Job: Wortel/245 Marcy Street

Tag: 100 Front Entry

Qty: 1

DETAILS

Signet Single Entry Door in FrameSaver Frame

36" x 80" Nominal Size

Unit Size: 37 9/16" x 81 11/16"

Frame Depth: 4 9/16"

No Brickmold

Right Hand Inswing - Inside Looking Out

420 Style Signet Smooth Fiberglass Door

ComforTech DLA

Colonial SDL Grid - 2f x 0H

Snow Mist White Inside / Mountain Berry Red Outside SDL Grids (Shadow Grids Between the Glass)

Snow Mist White Inside / Mountain Berry Red Outside

Hardware

All Hardware in Antique Brass Finish

Camelot Grip Entrance Handle Outside

Accent Handle Inside

Thumbturn Deadbolt

Mail Slot (3" x 10")

Frame

TUFTEX Smooth Snow Mist White Aluminum Frame Cladding - In Separate

Box

Snow Mist White Inside Frame

Bronze ZAC Auto-Adjusting Threshold (5 5/8" Depth)

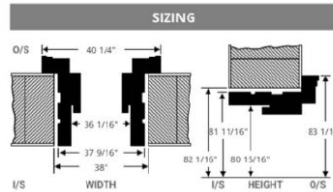
Zinc Chromate Ball Bearing Hinges (Complements Bright and Antique Brass)

Security Plate

Sell Price: \$12,827.00

INFORMATION AND WARNINGS

A 2 3/8" backset option is available and would be closer to the centerline of the strike rail. If preferred, on the hardware tab select "Show Advanced Options" then change the backset to 2 3/8".



SIZING

HANDING

ENERGY

Energy rating information is not available for this product.

OUTSIDE

INSIDE

Installation Instructions



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Saturday, June 08, 2024 | Product availability may vary based on size, design constraints, and building codes for your area. Due to variances in color and manufacturing process, images shown may vary from final product. | Trobidox PPM:18647
Pricing effective 12/12/22

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REAR ENTRY DOOR



YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass Entry Door with Clear Glass



OUTSIDE VIEW



INSIDE VIEW



2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Wortel/245 Marcy Street

Tag: 109.5 Rear Entry

Qty: 1

DETAILS

Heritage Single Entry Door in FrameSaver Frame

30" Nominal Width
78" Custom Unit Height
Unit Size: 31 9/16" x 78"
Frame Depth: 4 9/16"
No Brickmold
With Storm Door - Sized to Fit on Brickmold
Right Hand Inswing - Inside Looking Out

Entry Door

460 Style Heritage Smooth Fiberglass Door
Comfortech DLA

Snow Mist White Inside / Mountain Berry Red Outside

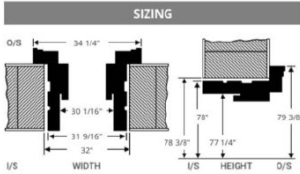
Hardware

All Hardware in Antique Brass Finish
Accent Lockset (2 3/8" Backset)
Thumbturn Deadbolt (2 3/8" Backset)

Frame

TUFTEX Smooth Snow Mist White Aluminum Frame
Cladding - In Separate Box
Snow Mist White Inside Frame
Bronze ZAC Auto-Adjusting Threshold (6 3/8" Depth)
Zinc Chromate Ball Bearing Hinges (Complements Bright and Antique Brass)
Security Plate

Sell Price: \$12,116.00



ENERGY PERFORMANCE RATINGS	
U-Factor (U50-F)	Solar Heat Gain Coefficient
0.22	0.13

ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	-
0.23	-
Air Infiltration (cfm/ft2)	-
<= 0.03	-



DocuSigned by:

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Pricing effective 12/12/22

REAR ENTRY STORM DOOR



YOUR PROFESSIONAL-CLASS PRODUCT

Deluxe Series Storm Door - Model 397 Full View



OUTSIDE VIEW



INSIDE VIEW



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Wortel/245 Marcy Street

Qty: 1

DETAILS

Deluxe 397 Full View
Custom Opening Size: 30" x 76 5/16"
Mountain Berry Red
Standard Z-Bar
Pre-Hung
Color Matched Leaf Hinge
Hinge on Right (Viewed from Outside)
1" Color Matched Bottom Expander
Antique Brass Cambridge Single-Point Mortise Handleset (DH638-11) LockB (DH350-11)
Assign a Random Key Number
Handleset Prep at Standard Location (39") on Left (Viewed from Outside)
Color Matched Heavy Duty Closer (DH219-20)
Standard Sash
Clear Glass
Full Screen with BetterVue Screen Mesh
With Screen Stabilizer Bar

Total: \$24,943.00

INFORMATION AND WARNINGS

Special consideration must be given to storm doors installed on entry doors with no brickmold. If you are using your own brickmold, ProVia cannot verify the depth to check for handle interference. If you are installing the storm door in the entry door jamb opening, be sure to select that option. If 'No Brickmold' is included with entry door and storm door is sized to fit on the brickmold, please acknowledge that brickmold will be supplied in the field.

SIZING	
Custom Opening Size:	30" x 76 5/16"
Minimum Opening Size:	29 3/4" x 76 1/16"
Maximum Opening Size:	30 1/8" x 76 15/16"
Unit Size (Inside Z-Bar):	29 16/32" x 76"
Tip-to-Tip (Outside Z-Bar):	31 3/4" x 77 1/8"
Leaf Hinge Locations:	7 1/4", 27 1/8", 47 1/16", 67"
Slab Size:	29 1/8" x 75 3/8"



Installation Instructions



ENERGY PERFORMANCE RATINGS	
U-Factor (U50-F)	Solar Heat Gain Coefficient
1.04	0.86

ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Total L _v
0.90	0.73

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