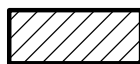




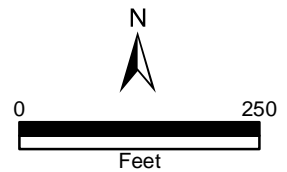
**5-C-21-HZ**  
**APPLICATION FOR CERTIFICATE OF APPROPRIATENESS**



**2104 Washington Pk. 37917**  
**Edgewood-Park City H**

Original Print Date: 5/5/2021  
 Knoxville/Knox County Planning -- Historic Zoning Commission

Petitioner: Todd Kennedy City of Knoxville  
 Community Development/Knox CAC





# Staff Report

Knoxville Historic Zoning Commission

File Number: 5-C-21-HZ

**Meeting:** 5/20/2021  
**Applicant:** Todd Kennedy City of Knoxville Community Development/Knox CAC  
**Owner:** Robert Buford

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## Property Information

**Location:** 2104 Washington Pk. **Parcel ID** 82 J X 012  
**District:** Edgewood-Park City H  
**Zoning:** RN-2 (Single-Family Residential Neighborhood)  
**Description:** Craftsman, c.1915

One-story residence with a side-gable roof clad in asphalt shingles, an exterior of wood weatherboard siding, and a brick foundation. A partial-width, front-gable roof porch projects from the left half of the façade, supported by tapered wood columns on brick piers. Windows are three-over-one, double-hung wood sash. Central brick chimney.

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## Description of Work

Level II Major Repair or Replacement

Lead-based paint abatement project initiated by City of Knoxville Community Development. Majority of work described in work write-up would not require COA (scraping paint, cleaning and stabilizing exterior elements, and painting), retaining existing exterior elements.

Level 1 scopes of work: replacement of existing wood louvered gable vents with new louvered vents in same size, materials, and design as existing.

Level 2 scope of work: replacement of 13 exterior windows with new windows. Windows to be replaced include 11 three-over-one, double-hung wood windows; 1 one-over-one, double-hung wood window (rear elevation); and 1 single-light fixed window (on semi-enclosed porch). Metal security bars will be removed. Exterior wood trim to be repaired and retained.

Proposed replacement windows are Andersen Fibrex (composite) material, simulated divided light windows with muntins on the exterior and interior. The replacement windows will be three-over-one, maintaining the same pane division and muntin style, and will be the same size as the existing, installed in the same fenestrations with no additional enclosure.

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## Applicable Design Guidelines

Edgewood-Park City Design Guidelines, adopted by the Knoxville City Council on July 29, 1997.

Windows

1. Reuse original windows. It will be much less expensive and much better historically to retain the original windows.
3. If replacement windows are necessary, they must be the same overall size as the originals, with the same pane division, and the same muntin style and exterior depth, width, and profile. Thermal sash windows that use false

muntins are not acceptable.

4. Windows shall not be replaced with fixed thermal glazing or be made inoperable.
  5. Tinted or reflective glass shall not be used on primary or other important elevations. LO-E glass, which selectively blocks ultraviolet light, is allowed.
  7. Historic windows shall not be blocked in. If ceilings have dropped, provide a setback to allow for the full height of the original window openings. Do not cut across an existing window with a new floor or ceiling, so that the original appearance of the window is changed.
  8. Reuse existing, serviceable window hardware.
- 

## Comments

N/A

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## Staff Findings

1. 2104 Washington Avenue is a contributing resource to the Park City National Register Historic District and the Edgewood-Park City overlay.
  2. The existing windows are three-over-one, double-hung wood sash, most likely original to the house, and character-defining features. The proposed replacement is not driven by the existing windows' condition, but due to the subject property being approved for the City's "Lead-Safe and Healthy Homes Program," which addresses lead-based paint hazards in eligible households.
  3. Staff, Community Development, and CAC have discussed the project since early February 2020. The applicants (City of Knoxville Community Development and Knox County CAC) receive HUD funding for lead-based abatement projects, with a preference to use the majority of funds for elderly and/or low-to-moderate-income households. Related to the funding are energy efficiency requirements, to which Community Development and CAC must adhere. A compromise between the HUD requirements and the Edgewood-Park City design guidelines is necessary to meet the intent of both programs. Due to the energy efficiency requirements and cost constraints, the applicant is unable to select single-pane windows (which most true divided light windows are) or wood windows.
  4. Due to the federal funding involved in the project, the project was reviewed by the SHPO and the composite windows were determined to have "no adverse effect" on the overall historic district. The composite material was approved as a replacement window and the SHPO requested follow-up images of the windows as installed to assist in determinations for future projects.
  5. While some vinyl windows have been occasionally approved in Edgewood-Park City on a limited, case-by-case basis, the Fibrex composite material has not yet been approved in the district. The same brand of Andersen Fibrex composite windows was approved on second-story windows in Market Square (325 Union Ave/2 Market Square).
  6. The proposed composite Fibrex material will allow the applicant to meet HUD requirements for energy efficiency, stay within the overall project budget (thus being able to repair and retain other exterior wood elements), and select replacements which maintain the overall size of the windows, and the three-over-one exterior muntins and pane division.
  7. The windows will retain the existing exterior trim elements, will not receive fixed thermal glazing or be made inoperable, will not use tinted or reflective glass, and will not enclose or block in any windows.
  8. As the existing windows appear to be in good condition, donating them to a salvage shop or similar resource where they can be re-used would be a positive mitigation effort.
-

## **Staff Recommendation**

Staff recommends approval of the project as submitted, with the condition that all efforts be taken to keep the existing windows intact during removal and the windows be donated to an architectural salvage shop or other venue where the windows could be reused in a similar historic house.



# DESIGN REVIEW REQUEST

- DOWNTOWN DESIGN (DK)
- HISTORIC ZONING (H)
- INFILL HOUSING (IH)

Todd Kennedy - City of Knoxville

Applicant

4/26/2021

May 20, 2021

5-C-21-HZ

Date Filed

Meeting Date (if applicable)

File Number(s)

## CORRESPONDENCE

All correspondence related to this application should be directed to the approved contact listed below.

- Owner
- Contractor
- Engineer
- Architect/Landscape Architect

Todd Kennedy

City of Knoxville

Name

Company

400 W. Main St. # 532G

Knoxville

TN

37902

Address

City

State

Zip

(865) 215-4476

tkennedy@knoxvilletn.gov

Phone

Email

## CURRENT PROPERTY INFO

Robert Buford

6100 Mount Richer Ave., Knoxville, TN 37918

(865) 332-3579

Owner Name (if different from applicant)

Owner Address

Owner Phone

2104 Washington Ave.

082JX012

Property Address

Parcel ID

RN-2 / HZ

Neighborhood

Zoning

## AUTHORIZATION

Lindsay Crockett

4.26.21

Staff Signature

Please Print

Date

Todd Kennedy

4/26/2021

Applicant Signature

Please Print

Date

# REQUEST

## DOWNTOWN DESIGN

**Level 1:**

- Signs     Alteration of an existing building/structure

**Level 2:**

- Addition to an existing building/structure

**Level 3:**

- Construction of new building/structure     Site design, parking, plazas, landscape

**See required Downtown Design attachment for more details.**

Brief description of work: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HISTORIC ZONING

**Level 1:**

- Signs     Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors

**Level 2:**

- Major repair, removal, or replacement of architectural elements or materials     Additions and accessory structures

**Level 3:**

- Construction of a new primary building

**Level 4:**

- Relocation of a contributing structure     Demolition of a contributing structure

**See required Historic Zoning attachment for more details.**

Brief description of work: Scrape and paint multiple exterior components. Replace gable vents with new using same materials and design. Replace 13 wood windows with new dual glazed, composite material windows with simulated divided lights using the same grille pattern. Windows to remain the same size. (See attached scope of work and window information)

## INFILL HOUSING

**Level 1:**

- Driveways, parking pads, access point, garages or similar facilities     Subdivisions

**Level 2:**

- Additions visible from the primary street     Changes to porches visible from the primary street

**Level 3:**

- New primary structure  
 Site built     Modular     Multi-Sectional

**See required Infill Housing attachment for more details.**

Brief description of work: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## STAFF USE ONLY

**ATTACHMENTS**

- Downtown Design Checklist  
 Historic Zoning Design Checklist  
 Infill Housing Design Checklist

**ADDITIONAL REQUIREMENTS**

- Property Owners / Option Holders

**Level 1:** \$50 • **Level 2:** \$100 • **Level 3:** \$250 • **Level 4:** \$500

**FEE 1:**

**FEE 2:**

**FEE 3:**

**TOTAL:**



**TENNESSEE HISTORICAL COMMISSION**  
STATE HISTORIC PRESERVATION OFFICE  
2941 LEBANON PIKE  
NASHVILLE, TENNESSEE 37243-0442  
OFFICE: (615) 532-1550  
[www.tnhistoricalcommission.org](http://www.tnhistoricalcommission.org)

April 19, 2021

Ms. Angela Ingle  
City of Knoxville  
400 Main Street  
Knoxville, TN 37902

RE: HUD / Department of Housing And Urban Development, 2104 Washington Avenue Window Replacement, Knoxville, Knox County, TN

Dear Ms. Ingle:

In response to your request, we have reviewed the documents you submitted regarding your proposed undertaking. Our review of and comment on your proposed undertaking are among the requirements of Section 106 of the National Historic Preservation Act. This Act requires federal agencies or applicants for federal assistance to consult with the appropriate State Historic Preservation Office before they carry out their proposed undertakings. The Advisory Council on Historic Preservation has codified procedures for carrying out Section 106 review in 36 CFR 800 (Federal Register, December 12, 2000, 77698-77739).

We find that the project as currently proposed will not adversely affect the Park City Historic District. Due to the newness of composite windows, we would like for you to send photographs of the installed windows to our office once the undertaking is complete so we can evaluate the appropriateness of composite windows for future projects.

Unless project plans change, and as long as the condition(s) is met, this office has no objection to the implementation of this project. Should project plans change, please contact this office to determine what additional action, if any, will be necessary to comply with Section 106 of the National Historic Preservation Act. Questions and comments may be directed to Casey Lee (615 253-3163). Your cooperation is appreciated.

We appreciate your cooperation.

Sincerely,

for: E. Patrick McIntyre, Jr.  
State Historic Preservation Officer

Casey Lee  
Historic Preservation Specialist/Coordinator  
Section 106 Review and Compliance Program  
Tennessee State Historic Preservation Office



**WORK ORDER**  
**LEAD SAFE AND HEALTHY HOMES PROGRAM**  
**PRICED COPY**

**WORK ORDER ID#:** 2019PB0047

**Date:** 5/5/2020

**CLIENT:** Robert Buford

**Phone #:** 919-949-3607

**ADDRESS:** 2104 Washington Ave.  
Knoxville, Tn. 37917

**PROJECT SUPERVISOR:** B. Humphrey

**CONTRACTOR:** \_\_\_\_\_

**ALL CHANGE ORDERS MUST BE PRE APPROVED BY THE DIRECTOR HOUSING AND ENERGY SERVICES.**

***GENERAL REQUIREMENTS AND STANDARDS:***

The construction shall be accomplished without undue delay and with minimum inconvenience to the owner. All materials and products used shall be new unless otherwise specified, and applied or stalled in accordance with the manufacturer's specification and the Rehabilitation Specifications. Reference in these Specifications to any article, device, products, material, or fixture by name, make or catalogue number shall be interpreted as establishing a standard or quality. The contractor shall furnish all materials, labor, equipment, and services to perform all work in these Specifications by established building and construction practices, proceeding promptly to complete said work in the specified time so stated in the contract documents. The contractor shall obtain all necessary licenses and permits before work commences. *All work shall be carried out pursuant to the currently adopted Federal, State, City of Knoxville, and Knox County Tennessee codes and ordinances as applicable.* Mechanical, plumbing and electric contractors or subcontractors shall be licensed by the State of Tennessee. A copy of this license is to be provided to CAC. At the completion of the designated work, the contractor shall remove all temporary construction equipment, salvage materials, trash, and other debris and dispose of legally, leaving the area for which the contractor is responsible in a neat condition. Cleaning of fixtures, doors, and windows, installed under this work, shall be the responsibility of the installing Contractor.

The Contractor is required to provide the homeowner with all warranties and guarantees. This applies to everything installed on the job which carries a warranty or guaranty, i.e.; windows, faucets, etc. Failure to do so will be considered a breach of contract. Final pay request will not be approved until warranties are provided. The Contractor shall guarantee all workmanship and material for a year period from the *date* of final inspection and one year from the time of completion of any warranty work.



Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

**MEASURE #1: LOW DUST.**

ITEM #1: Low Dust

Provide occupants protection and work site preparation in accordance with Table 8.1 of the 2012 HUD Guidelines for Evaluation Control of Lead-Based Paint Hazards in Housing.

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	LOW DUST	EA	1	\$1,000.00	\$1,000.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
					<b>MEASURE 1 TOTAL</b>		<b>\$1,000.00</b>



Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

MEASURE #3: FRONT PORCH SIDE A.

ITEM #1: STABILIZE AND ENCAPSULATE CONCRETE COLUMN BASES. (SIDE A)

PORCH CONCRETE STOOP AND COLUMN BASE-- STABILIZE & PAINT

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #2: STABILIZE AND ENCAPSULATE PORCH COLUMNS. (SIDE A)

WET SCRAPE, PRIME AND PAINT (WOOD PORCH COLUMNS AND POSTS)

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #3: STABILIZE AND ENCAPSULATE FRONT PORCH HEADER BEAMS. (SIDES A, B, D.)

WET SCRAPE, PRIME AND PAINT PORCH ROOF HEADER BEAMS

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #4: STABILIZE AND ENCAPSULATE FRONT PORCH CEILING. (SIDE A)

WET SCRAPE, PRIME AND PAINT EXTERIOR PORCH CEILING

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	SIDE A CONCRETE COLUMN BASES	EA	4	\$100.00	\$400.00
2	X	X	SIDE A PORCH COLUMNS	EA	4	\$150.00	\$600.00
3	X	X	HEADER BEAMS SIDES A, B, D	LN FT	36	\$12.00	\$432.00
4	X	X	PORCH CEILING SIDE A	SQ FT	160	\$5.00	\$800.00
							\$0.00
							\$0.00
						<b>MEASURE 3 TOTAL</b>	<b>\$2,232.00</b>

Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

MEASURE #4: REAR PORCH SIDE D.

ITEM #1: STABILIZE AND ENCAPSULATE PORCH ROOF POSTS.

WET SCRAPE, PRIME AND PAINT (WOOD PORCH COLUMNS AND POSTS)

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #2: STABILIZE AND ENCLAPSULATEPORCH GUARDRAIL TOP PLATES. (SIDES C AND D).

WET SCRAPE, PRIME AND PAINT (GUARDRAIL TOP PLATE.)

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #3: STABILIZE AND ENCAPSULATE GUARDRAIL WALLS. (SIDES C AND D).

WET SCRAPE, PRIME AND PAINT EXTERIOR PORCH GUARDRAIL WALLS

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

item #4: STABILIZE AND ENCAPSULATE PORCH BENCH/SHELF. (SIDE C)

PORCH BENCH/SHELF-- STABILIZE & PAINT

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Spot prime and caulk with a 25 year siliconized caulk and apply two coats of premium

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	PORCH POSTS SIDE D	EA	2	\$150.00	\$300.00
2	X	X	GUARDRAIL TOP PLATE SIDES C,D	LN FT	12	\$5.00	\$60.00
3	x	x	GUARDRAIL WALLS SIDE C,D	SQ FT	30	\$5.00	\$150.00
4	X	X	PORCH BENCH/SHELF SIDE C	EA	1	\$150.00	\$150.00
							\$0.00
							\$0.00
					<b>MEASURE 4 TOTAL</b>		<b>\$660.00</b>

Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

MEASURE #5 EXTERIOR COMPONENTS.

ITEM #1: EXTERIOR EAVES. STABILIZE AND ENCAPSULATE ALL EAVES .  
THIS MEASURE INCLUDES ALL EXPOSED RAFTERS. (SIDES A, B, C, D.)

WET SCRAPE, PRIME AND PAINT SOFFIT AND EAVES

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM: #2: STABILIZE AND ENCAPSULATE ALL EAVE SUPPORT BRACKETS. (SIDES A, B, D)

WET SCRAPE, PRIME AND PAINT EAVE SUPPORT BRACKETS

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM #3: EXTERIOR RAKE AND FASCIA TRIM. (SIDES A, B, C, D.)

WET SCRAPE, PRIME AND PAINT TRIM—ALUMINUM

After establishing any required ground containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all loose paint with curved and flat draw scrapers. Wash with detergent solution, rinse, allow to dry and HEPA vacuum all surfaces for paint chips, dust and debris. Apply two coats exterior grade acrylic paint. (Color to be determined and approved by the homeowner)

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	EXTERIOR EAVES SIDES A, B, C, D	SQ FT	720	\$8.00	\$5,760.00
2	X	X	EXTERIOR EAVE SUPPORT BRACKETS	EA	7	\$75.00	\$525.00
3	X	X	EXTERIOR RAKE AND FASCIA TRIM	LN FT	240	\$4.00	\$960.00
							\$0.00
							\$0.00
							\$0.00
					<b>MEASURE 5 TOTAL</b>		<b>\$7,245.00</b>





Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

**MEASURE #8 WINDOWS.**

ITEM #1: REMOVE AND REPLACE SPECIFIED WINDOWS.

SPECIFIED WINDOWS ARE AS FOLLOWS.

AW1, AW2, AW3, AW4, BW1, BW2, BW3, BW4, CW1, CW3, CW5, DW2, DW3  
SEE FLOOR PLAN FOR WINDOW LOCATIONS)

THIS MEASURE IS TO INCLUDE REPLACING ALL INTERIOR WINDOW TRIM (MATCHING THE EXISTING IN COLOR AND STYLE AS CLOSE AS POSSIBLE)

(COLOR TO BE DETERMINED AND APPROVED BY THE HOMEOWNER)

**COMPOSITE WINDOWS - SINGLE HUNG, DOUBLE GLAZED SIMULATED DIVIDED LIGHT WINDOW  
(HISTORIC DISTRICT)**

After establishing any required floor containment with polyethylene sheeting, wet mist, remove and wrap in polyethylene sheeting and dispose of entire existing wood window. Mist defective paint on remaining components with water to the point of saturation. Wet scrape interior and exterior casing, stool/sill, frame and associated trim. Wash with detergent solution, rinse, allow to dry and HEPA vacuum any paint chips, dust and debris. Prime sill with top quality oil-based primer. Prime and paint all scraped areas with premium acrylic latex top coat (color to be selected by owner). Field measure, fabricate and install a composite fiberglass dual glazed, thermal break, simulated divided light, single hung replacement window including all necessary painting, caulk, trim and screen. Clean glass. (All windows should meet current Building Codes on placement of tempered glass windows and energy efficiency ratings.) **Muntin patterns of new windows to match existing units.**

ITEM #2: STABILIZE AND ENCAPSULATE FOUNDATION WINDOWS. (SIDES B, C, D)

REMOVE SECURITY BARS AND STABILIZE THE FOUNDATION WINDOW AND ALL WINDOWS INTERIOR AND EXTERIOR COMPONENTS.

**STABILIZE WINDOW-ACRYLIC LATEX**

After establishing any required floor containment with polyethylene sheeting, mist defective paint with water to the point of saturation. Wet scrape all interior and exterior window components with curved draw scrapers. Feather edges with a wet, 100-grit, sponge sanding block. Reglaze as required. Wash with detergent solution, rinse, allow to dry, and HEPA vacuum all visible paint chips, dust and debris. Spot prime and apply two coats interior and exterior with a premium acrylic latex paint.

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	WINDOW REPLACEMENTS	EA	13	\$810.00	\$10,530.00
2	X	X	FOUNDATION WINDOWS	EA	6	\$300.00	\$1,800.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
						<b>MEASURE 8 TOTAL</b>	<b>\$12,330.00</b>



Work Order # 2019PB0047

Client Name: Robert Buford

Date: 5/5/2020

**MEASURE #9: ENTRY DOORS.**

#1: STABILIZE FRONT ENTRY DOOR TRIM AND COMPONENTS. (SIDE A)  
WET SCRAPE, PRIME AND PAINT ALL INTERIOR AND EXTERIOR DOOR TRIM/  
WET SCRAPE, PRIME AND PAINT ALL DOOR JAMBS.

**INTERIOR DOOR - STABILIZE**

After establishing any required floor containment with polyethylene sheeting, mist deteriorated paint with water to the point of saturation. Wet scrape door, frame and trim with curved draw scrapers. Feather edges with a wet, 100-grit sponge sanding block. Detergent wash, rinse, allow to dry and HEPA vacuum any paint chips, dust and debris. Spot prime and top coat with owner's choice of premium acrylic latex.

ITEM	L	M	DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1	X	X	SIDE A ENTRY DOOR	EA	1	\$250.00	\$250.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
						<b>MEASURE 9 TOTAL</b>	\$250.00

Work Order ID# 2019PB0047  
 Client Name: Robert Buford

Date: 5/5/2020

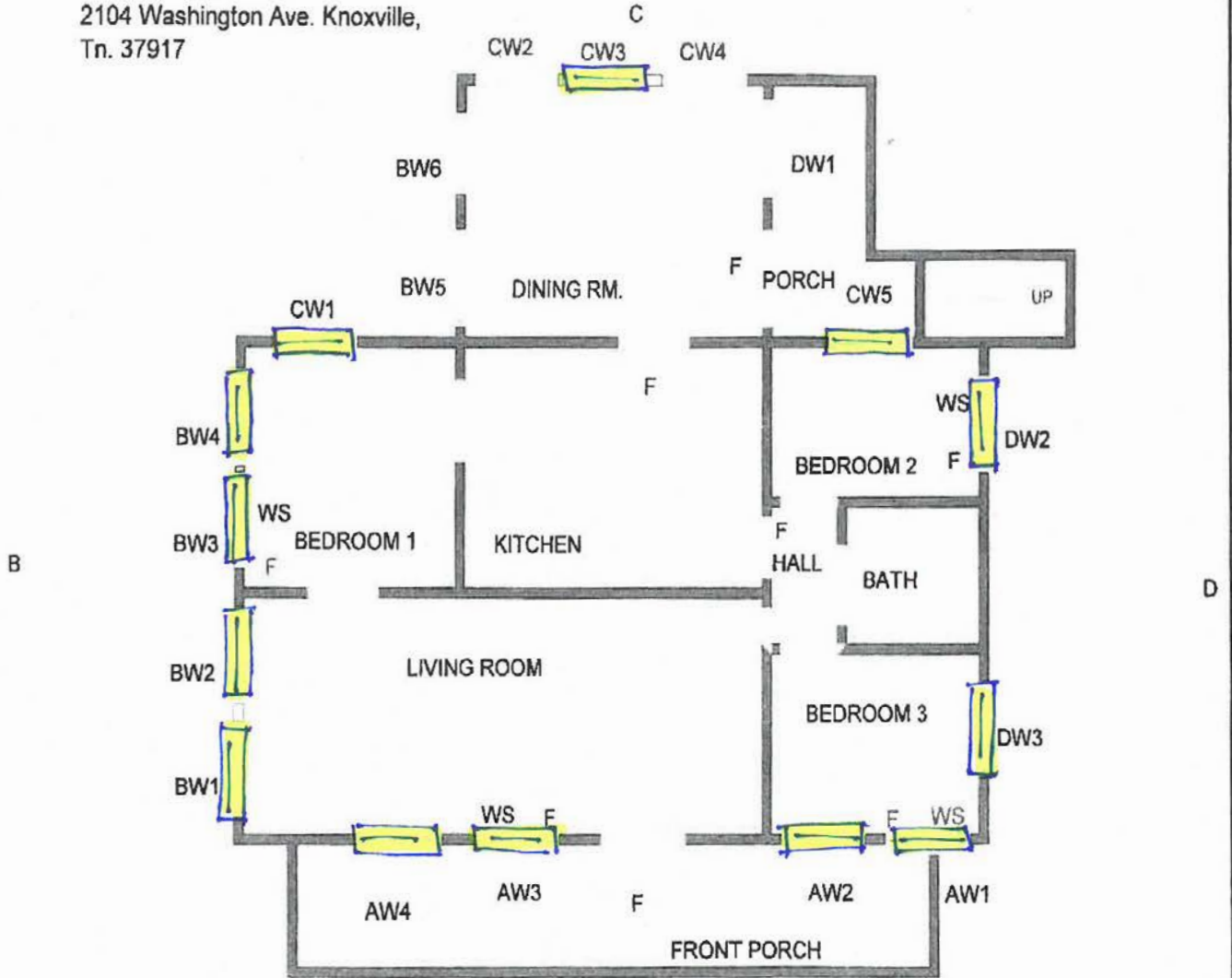
MEASURES #1, 2, 3, 4, 5, 6, 7, 8, 9, .

PERMIT -

ITEM		DESCRIPTION	UNITS	AMT.	UNIT COST	TOTAL
1		MEASURE 1 TOTAL	EA.	1	\$1,000.00	\$1,000.00
2		MEASURE 2 TOTAL	EA.	1	\$1,500.00	\$1,500.00
3		MEASURE 3 TOTAL	EA.	1	\$2,232.00	\$2,232.00
4		MEASURE 4 TOTAL	EA.	1	\$660.00	\$660.00
5		MEASURE 5 TOTAL	EA.	1	\$7,245.00	\$7,245.00
6		MEASURE 6 TOTAL	EA.	1	\$350.00	\$350.00
7		MEASURE 7 TOTAL	EA.	1	\$600.00	\$600.00
8		MEASURE 8 TOTAL	EA.	1	\$12,330.00	\$12,330.00
9		MEASURE 9 TOTAL	EA.	1	\$250.00	\$250.00
10		PERMIT	EA.	1	\$125.00	\$125.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
<b>TOTAL ALL MEASURES</b>						\$26,295.00

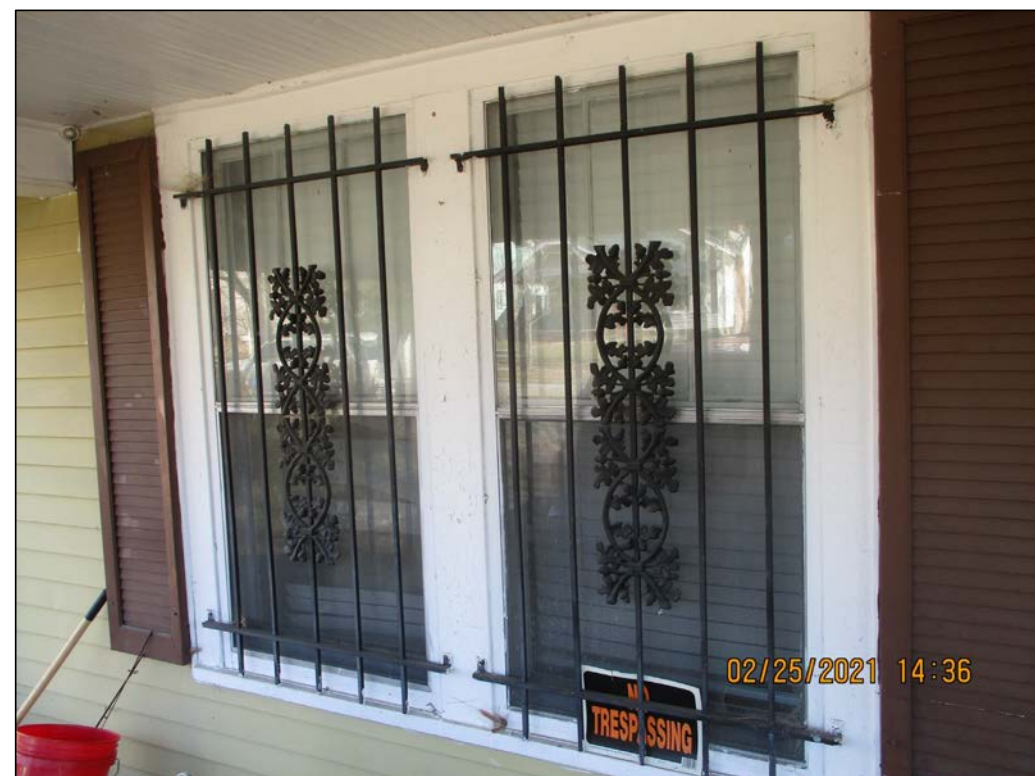
WINDOWS TO BE REPLACED ARE MARKED BELOW

2104 Washington Ave. Knoxville,  
Tn. 37917



Washington Ave.

A



Façade windows (AW1-4)



Right side elevation windows (DW3 and DW2)



Rear elevation window (CW1)



Left side elevation windows (BW1-4)



Rear elevation windows (CW3 & CW5)

**100 SERIES**  
WINDOWS • DOORS



**THE SMART  
ALTERNATIVE TO VINYL**



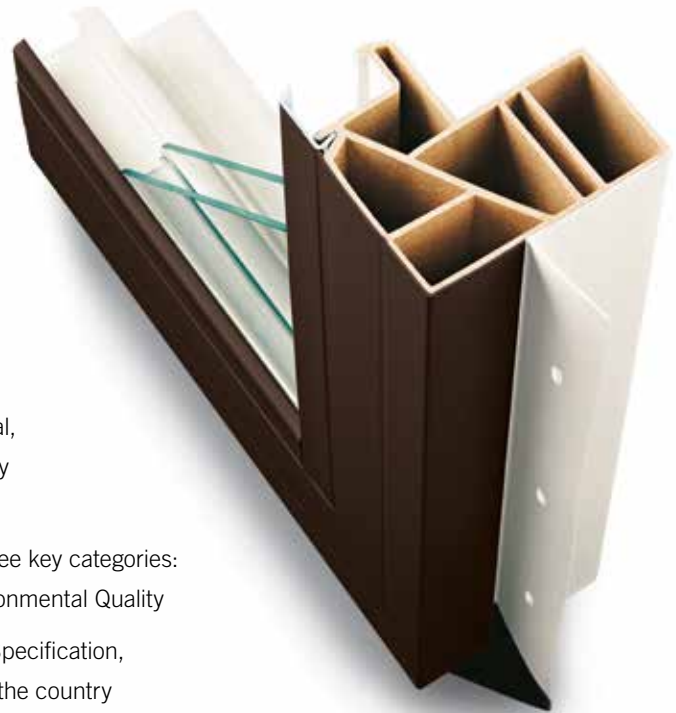
# FIBREX<sup>®</sup> MATERIAL

## STRONG ON PERFORMANCE. GENTLE ON THE ENVIRONMENT.

Developed by Andersen, Fibrex<sup>®</sup> material is a revolutionary structural composite material that blends the very best attributes of vinyl and wood. Fibrex material saves on natural resources because it is composed of 40% reclaimed wood fiber by weight. Special polymer formulations surround and fill each wood fiber, enabling top performance. The result is a material that provides uncommon value and enhances the quality of any project. In use for over two decades in Andersen<sup>®</sup> products, Fibrex material has proven its strength and durability in all types of climates.

### REVOLUTIONARY BUILDING MATERIAL

- Twice as strong as vinyl, so weathertight seals stay weathertight
- Blocks thermal transfer nearly 700 times better than aluminum to help reduce heating and cooling bills
- Retains its stability and rigidity in all climates for exceptional durability
- Offers superior scratch resistance compared to painted vinyl\*



### ENVIRONMENTALLY RESPONSIBLE

- Since Andersen developed the highly sustainable Fibrex material, reuse of waste wood fiber has prevented the harvesting of nearly 90 million board feet of timber
- 100 Series products can help builders earn LEED<sup>®</sup> points in three key categories: Energy & Atmosphere, Materials & Resources and Indoor Environmental Quality
- 100 Series products meet or exceed California Section 01350 Specification, a California indoor emission standard — one of the toughest in the country
- Like all Andersen products, 100 Series products are designed to last\*\* and help reduce future waste streams



See how Andersen created Fibrex material at [andersenwindows.com/fibrex](http://andersenwindows.com/fibrex)

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* When tested against five leading competitors' painted vinyl window products.

# GRILLE OPTIONS

Grilles for Andersen® 100 Series windows and patio doors are available in a wide variety of patterns to complement virtually any style of home. Plus, they have options for easy cleaning and architectural authenticity many vinyl windows can't match.

## Finelight™ Grilles-Between-the-Glass

make glass easy to clean. They have an elegant, sculpted profile, plus they offer a two-sided color scheme, allowing them to match both the interior and exterior of the window or patio door.



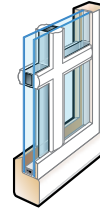
## Finelight Grilles-Between-the-Glass with Exterior Grilles

make interior glass easier to clean, while permanent exterior grilles provide architectural style and detail.



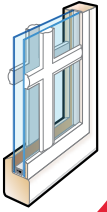
## Full Divided Light

feature grilles permanently applied to the interior and exterior of the window with a spacer between the glass for an authentic look.

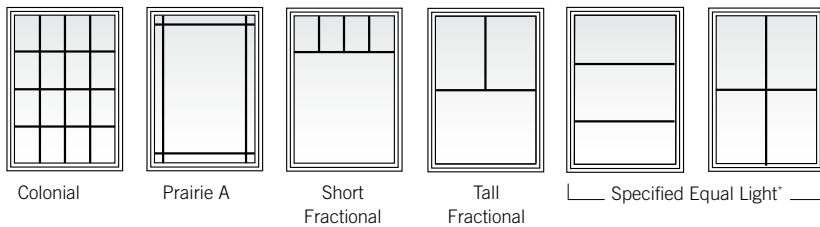


## Simulated Divided Light

offers permanent grilles on the exterior and interior with no spacer between the glass.

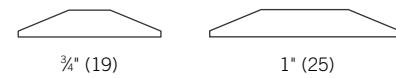


## GRILLE PATTERNS



## GRILLE BAR WIDTHS

Actual size shown.



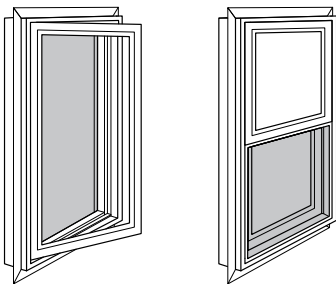
Grille width for windows is 3/4" (19). Grille width for patio doors is 1" (25). A 2 1/4" (57) simulated meeting rail is available for casement windows to replicate the look of single-hung windows.

To see all of the standard patterns available for a specific window or door, refer to the detailed sections in this book for each product or contact your Andersen supplier.

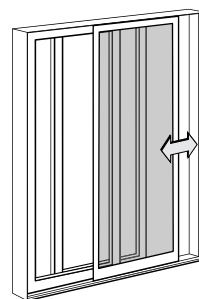
## GRILLE PATTERNS TO MATCH EXISTING

# INSECT SCREEN OPTIONS

Insect screens for windows and patio doors have a fiberglass screen mesh. Optional TruScene® insect screens for windows are made with a micro-fine stainless steel mesh, providing 50% more clarity than our conventional insect screens.



Insect screens are available for all venting windows.



Gliding insect screens are available for two-panel doors.

\* Specify number of same-size rectangles across or down. Dimensions in parenthesis are in millimeters.