

**August 4, 2015**

**ATTN: Erin Glennon**

**Hello Erin!**

**This is the Historical District project we spoke about of 8-4 at 7654 Rockhill St., in GLENBROOK VALLEY.**

**I have included all of the photos (lettered) and supporting documents as needed. Please contact me if you need additional info. I will also email to your dropbox today.**

**Best regards,**

**Yvette Solares**

**RBA of Houston**

**281-378-6000**

# CERTIFICATE OF APPROPRIATENESS APPLICATION FORM



**PLANNING &  
DEVELOPMENT  
DEPARTMENT**

**PROPERTY**

Address 7654 Rockhill St.  
 Historic District / Landmark Glenbrook Valley HCAD # 085132000001  
 Subdivision Glenbrook Valley Lot 1 Block 40

**DESIGNATION TYPE**

- Landmark                       Contributing  
 Protected Landmark         Noncontributing  
 Archaeological Site         Vacant

**PROPOSED ACTION**

- Alteration or Addition       Relocation  
 Restoration                     Demolition  
 New Construction             Excavation

*Replace windows*

**DOCUMENTS**

- Application checklist for each proposed action and all applicable documentation listed within are attached

**OWNER**

Name William Mitchell  
 Company \_\_\_\_\_  
 Mailing Address 7654 Rockhill St.  
Houston, TX 77061  
 Phone 940-631-1353  
 Email [REDACTED]  
 Signature *William Mitchell*  
 Date 7/20/2015

**APPLICANT (if other than owner)**

Name \_\_\_\_\_  
 Company Renewal by Andersen of  
Houston  
 Mailing Address 9825 Fm 2920  
Tomball, TX 77375  
 Phone 281-378-6000  
 Email [REDACTED]  
 Signature *[Signature]*  
 Date 7/27/15

**ACKNOWLEDGEMENT OF RESPONSIBILITY**

**Requirements:** A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Preliminary review meeting or site visit with staff may be necessary to process the application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

**Deed Restrictions:** You have verified that the work does not violate applicable deed restrictions.

**Public Records:** If attached materials are protected by copyright law, you grant the City of Houston, its officers, agencies, departments, and employees, non-exclusive rights to reproduce, distribute and publish copyrighted materials before the Houston Archaeological and Historical Commission, the Planning Commission, City Council, and other City of Houston commissions, agencies, and departments, on a City of Houston website, or other public forum for the purposes of application for a Certificate of Appropriateness or building permit, and other educational and not for profit purposes. You hereby represent that you possess the requisite permission or rights being conveyed here to the City.

**Compliance:** If granted, you agree to comply with all conditions of the COA. Revisions to approved work require staff review and may require a new application and HAHC approval. Failure to comply with the COA may result in project delays, fines or other penalties.

Planner: \_\_\_\_\_ Application received: \_\_\_/\_\_\_/\_\_\_ Application complete: \_\_\_/\_\_\_/\_\_\_

**Proposed work to be done:** Renewal by Andersen of Houston Window Replacement is replacing thirteen (13) windows at this address. Current condition of windows to be replaced is "poor".

**Window A.:** Double hung Insert frame – Sash ratio 3:2 (reverse cottage); Canvas Interior and exterior No Grilles. Size is 37 5/16" wide x 73 1/2" height. Frame material is Fibrex wood material. Barely opens- left lock doesn't work.

**Window B:** Picture Insert frame; Canvas Interior and exterior; No Grilles. Size is 88 1/4" wide x 55 1/8" height. Frame material is Fibrex wood material. Middle window won't stay open / 3<sup>rd</sup> lock doesn't work/water and mold intrusion.

**Window C:** Double hung Insert frame 1:1 sash ratio; Canvas interior and exterior; No Grilles. Size is 32 7/8" wide x 35 1/4" height. Frame material is Fibrex wood material. Guide rail malfunctioning – catches when opening.

**Window D:** Double hung Insert frame 1:1 sash ratio; Canvas interior and exterior; No Grilles. Size is 37" wide x 55 1/8" height. Frame material is Fibrex wood material. Window sticks when raising – cannot open all the way.

**Window E:** Gliding Insert frame; Canvas interior and exterior; No Grilles; Size is 74 1/16" wide x 55 3/16" height. Frame material is Fibrex wood material. Window seal is defective

**Window F:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; No Grilles; Size is 37" wide x 55 1/16" height. Frame material is Fibrex wood material. Window lock malfunctioning.

**Window G:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; No Grilles; Size is 34 13/16" x 58 9/16" height. Frame material is Fibrex wood material. Window drags when opening

**Window H:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; No Grilles, Size is 34 13/16" wide x 58 5/8" height. Frame material is Fibrex wood material. Window drags when opening.

**Window I:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; No grilles, Size is 34 13/16" wide by 58 5/8" height. Frame material is Fibrex wood material. Window drags when opening.

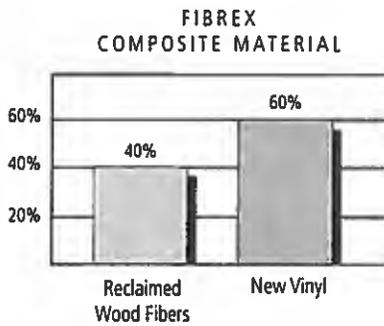
**Window J:** Double Hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; No grilles, size is 22 7/8" wide x 34 13/16" height. Frame material is Fibrex wood material. Window sticks and drags

**Window K:** Double hung Insert Frame; 1:1 sash ratio; Canvas interior and exterior; no grilles, Size is 32 7/8" wide by 35 1/4" height. Frame material is Fibrex wood material. Side lock sticks and drags

**Window L:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; no grilles, Size is 32 13/16" wide x 35 1/4" height. Frame material is Fibrex wood material. Won't open- right lock sticks.

**Window M:** Double hung Insert frame; 1:1 sash ratio; Canvas interior and exterior; no grilles, size is 32 13/16" wide x 35 1/2" height. Frame material is Fibrex wood material. Window catches when opening.

FIBREX® COMPOSITE MATERIAL

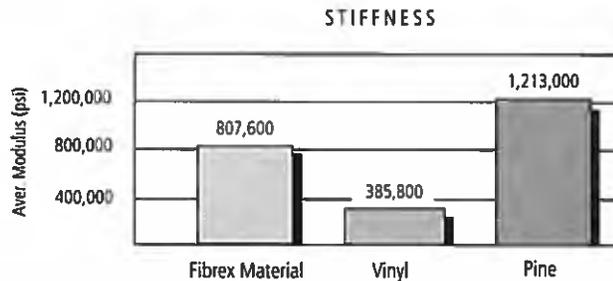


Renewal by Andersen® windows are made of our exclusive Fibrex material. Developed by Andersen, it is a composite blend of reclaimed (not recycled) and new vinyl and wood that provides excellent strength, durability and low maintenance.

Window materials are exposed to many atmospheric elements such as wind stress, moisture, and temperature extremes. The following data demonstrates how Fibrex material performs under these elements.

- **Stiffness – Modulus** is the scientific term for a material’s stiffness. The higher the number, the stiffer the material. The average modulus for Fibrex material is twice the average for vinyl, making it a far more stable and rigid material for windows. And though wood’s average stiffness is higher, it is far less predictable than Fibrex material since wood possesses natural variations such as grain, knots, pitch pockets, and moisture content. All of which means we can make our window frames and sash narrower than competitive windows, gaining more glass area and light from the same size opening.

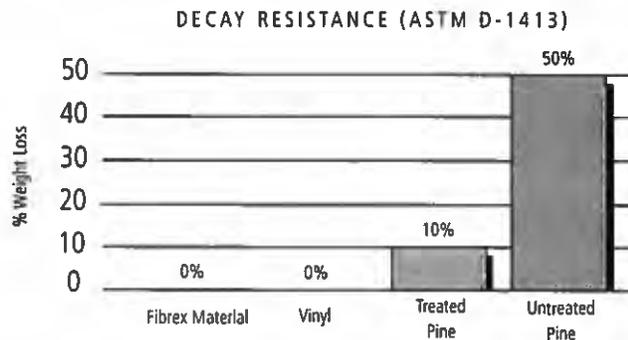
The graph below demonstrates the superiority of Fibrex material over other materials.



**Material Strength** Fibrex material offers excellent long-term stability and durability. The Modulus far surpasses vinyl and approaches that of pine.

- **Decay Resistance** – Eventually, without maintenance, even treated wood can be subject to decay. Fortunately, Fibrex material is not. Our special composite formulation surrounds and coats each wood fiber in the manufacturing process, providing resistance to rot. And windows made of Fibrex material are warranted not to flake, rust, blister, peel, crack, pit or corrode.\*

The change in the mass of material is measured according to ASTM D-1413, which demonstrates that Fibrex material is comparable to vinyl in resistance to decay.

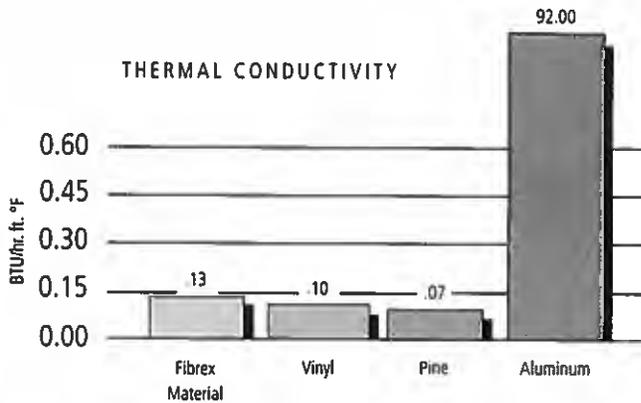


**Decay Resistance.** Our special polymer formulation surrounds and coats each wood fiber in our Fibrex manufacturing process providing long-term resistance to rotting, chipping, peeling, or blistering.

\*See the Limited Warranty for Renewal by Andersen Products and Services.

- Thermal Conductivity** – Fibrex material has a very low thermal conductivity ratio—or in other words, excellent insulating properties—that put it on a par with pine or vinyl. Unlike aluminum, windows made of Fibrex material will resist the effects of cold and heat.

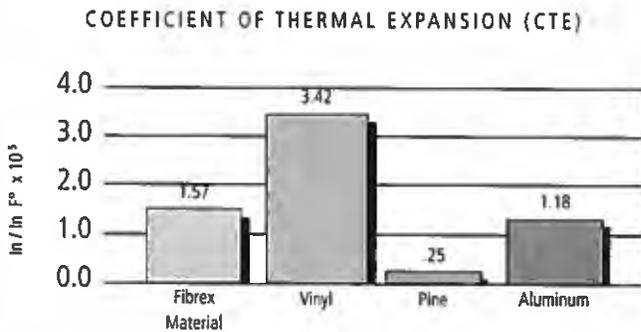
Insulating efficiency is measured by the amount of heat transferred or conducted through a material. A lower value means less transfer and greater insulating efficiency.



Thermal Conductivity. Fibrex material has a very low thermal conductivity ratio - or in other words excellent insulating properties - that put it on par with pine or vinyl.

- Thermal Expansion** – Thermal expansion is the degree to which a given material expands and contracts with changes in temperature. Pine has a very low thermal expansion rate. With a rate of 1.57, Fibrex material, like aluminum, expands and contracts very little. Vinyl, however, with a thermal expansion rate of 3.42, may expand and contract markedly, resulting over time in bowing, cracks and, possibly, leakage of air and water. Darkening the color of a material can also increase its surface temperature and make the material more likely to expand. This color change greatly affects vinyl, but does not affect Fibrex material.

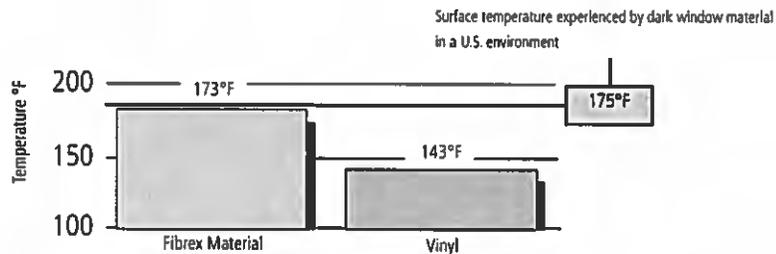
In testing expansion rates, the smaller value indicates the least change to the material.



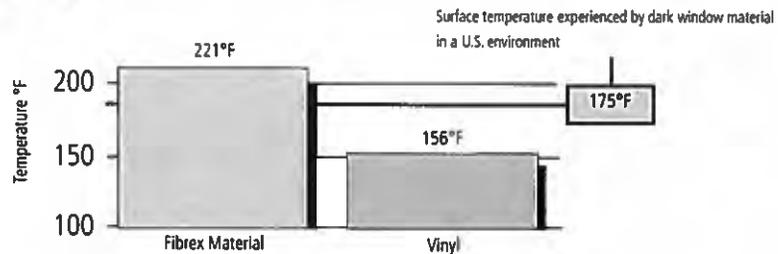
Thermal Expansion. Fibrex material has a very low rate of expansion due to temperature (1.57 x 10<sup>-5</sup> in/in F°) similar to that of aluminum (1.18 x 10<sup>-5</sup> in/in F°). Hollow vinyl, however, (3.42 x 10<sup>-5</sup> in/in F°) expands and contracts markedly, which, over time can result in bowing, cracks, and eventually, leakage of air and water.

- Heat Deflection** – In the full heat of summer, windows receiving direct afternoon sun can heat up to a surface temperature of 175°F or more. At these temperatures, the weight of the window frame and glass can cause ordinary hollow vinyl frames to bow and sag. Fibrex material, however, remains rigid and stable to temperatures of over 200°F in tests—temperatures far greater than your window will ever experience. This performance compares favorably with that of ponderosa pine, the heat deflection temperature of which is 288°F.

HEAT DEFLECTION TEMPERATURE @ 264 PSI\*



HEAT DEFLECTION TEMPERATURE (CTE) @ 66 PSI\*



\*Average test results conducted by our independent test lab.

- Fibrex Material Colors and Wood Veneer** – Andersen's Perma-Shield® coating is applied over the Fibrex material to provide a variety of light and dark colors. Several wood veneers, which can be painted or stained to match existing décor, are optional on window interiors.



William Mitchell

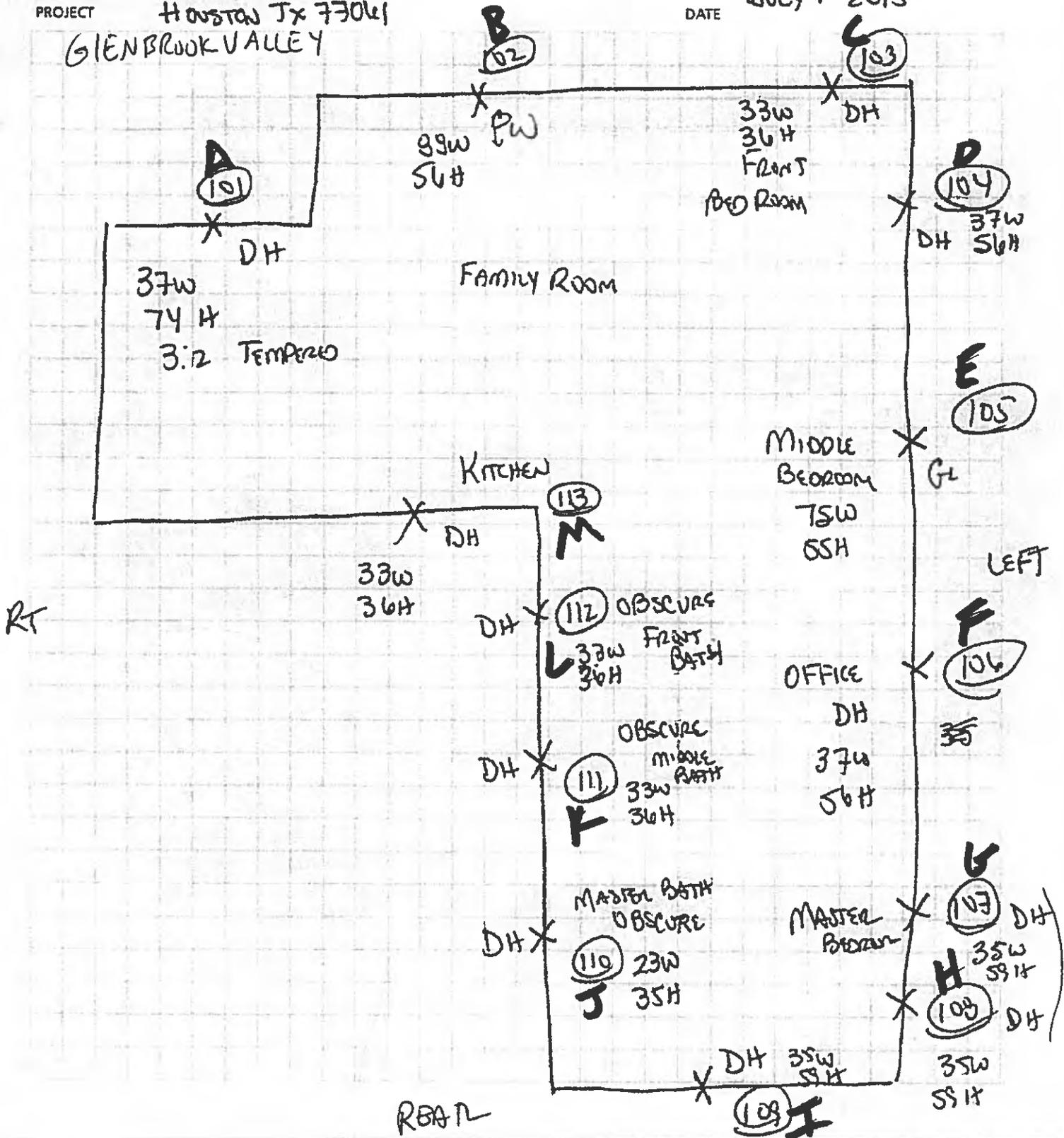
WILLIAM MITCHELL  
7654 ROCKHILL ST  
HOUSTON TX 77061

FRONT

DATE JULY 1 2015

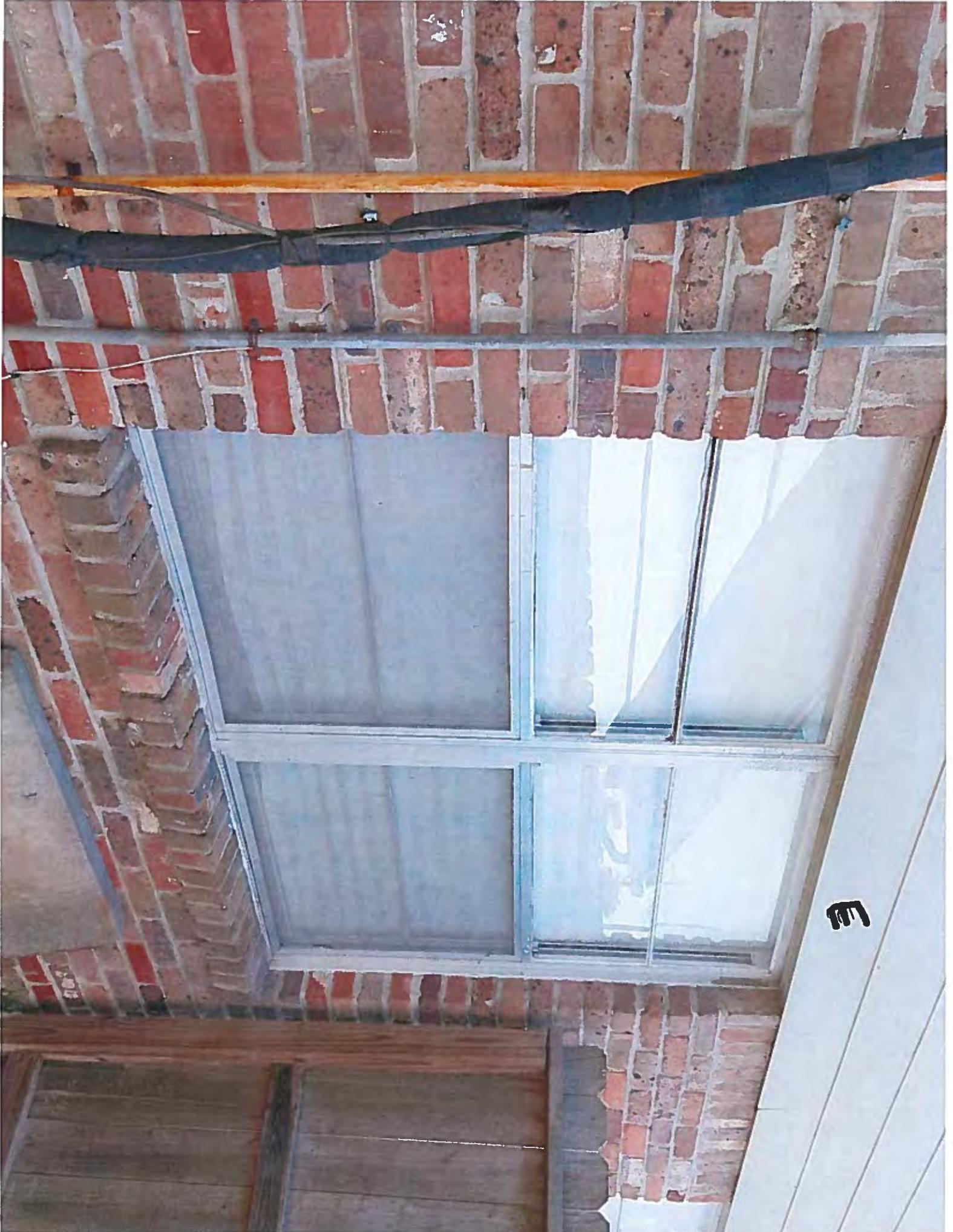
PROJECT

GLENBROOK VALLEY













108

109

110

111



109 H



113

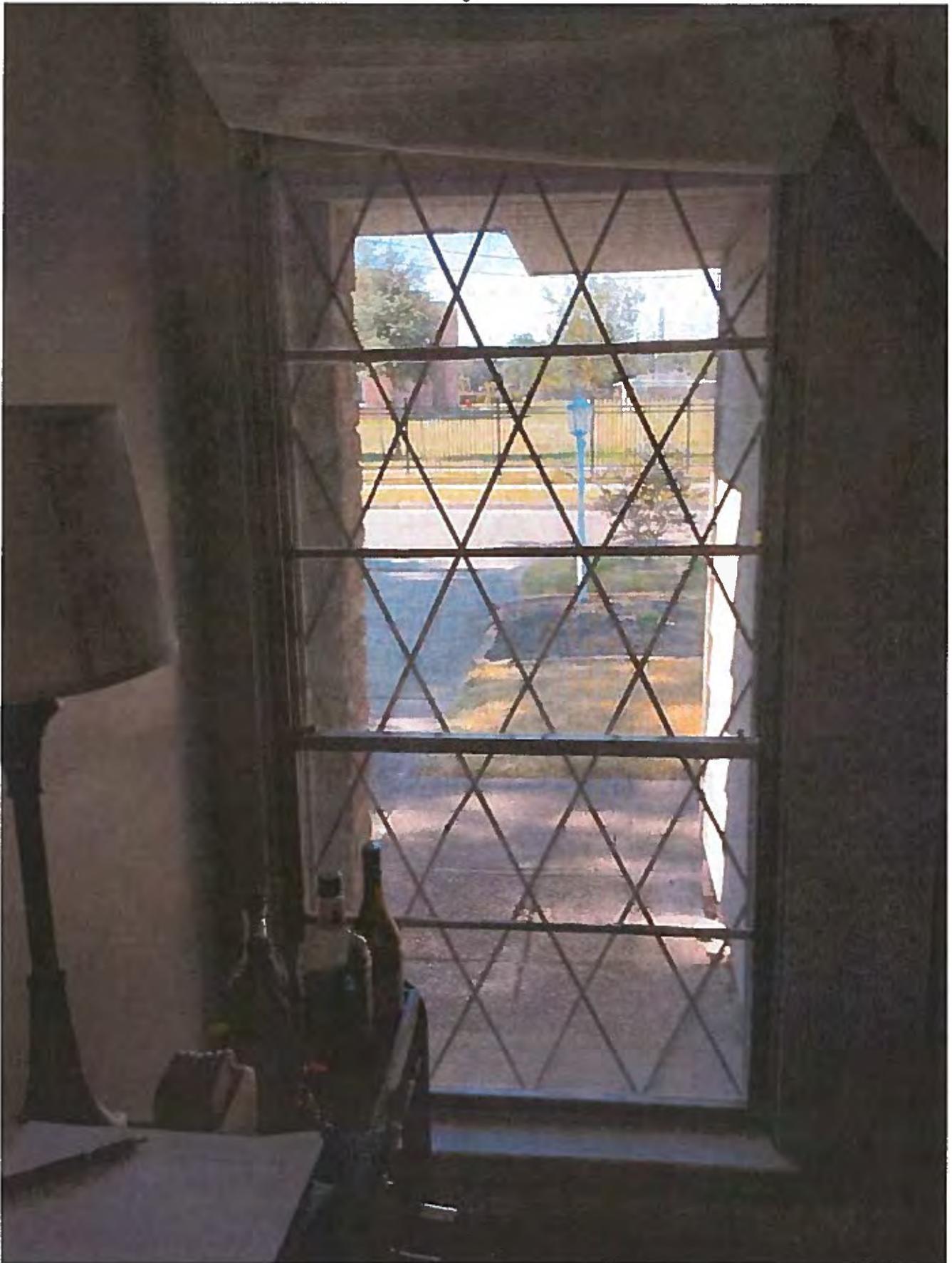
112

111

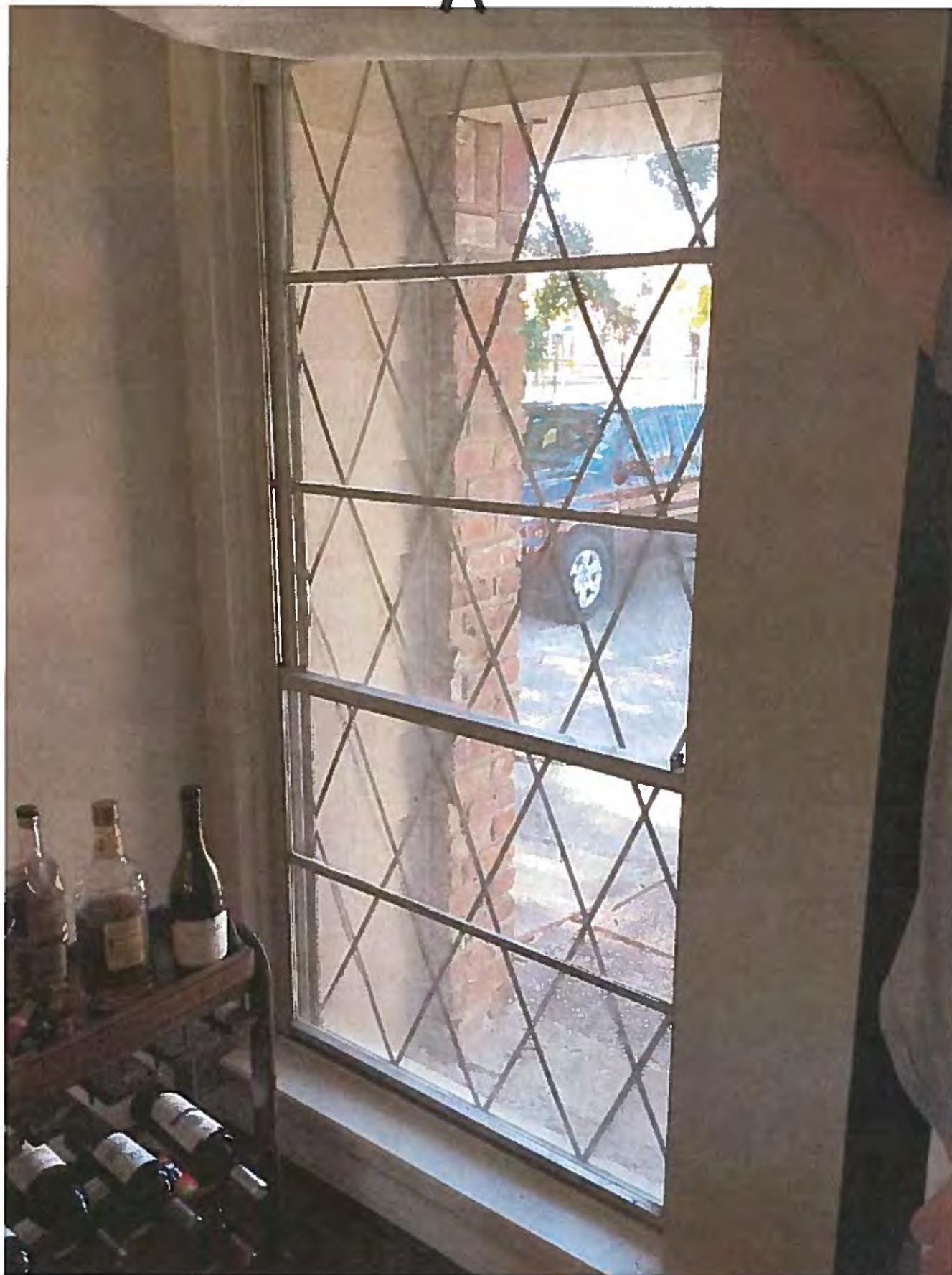
110



A



A



B



B



B



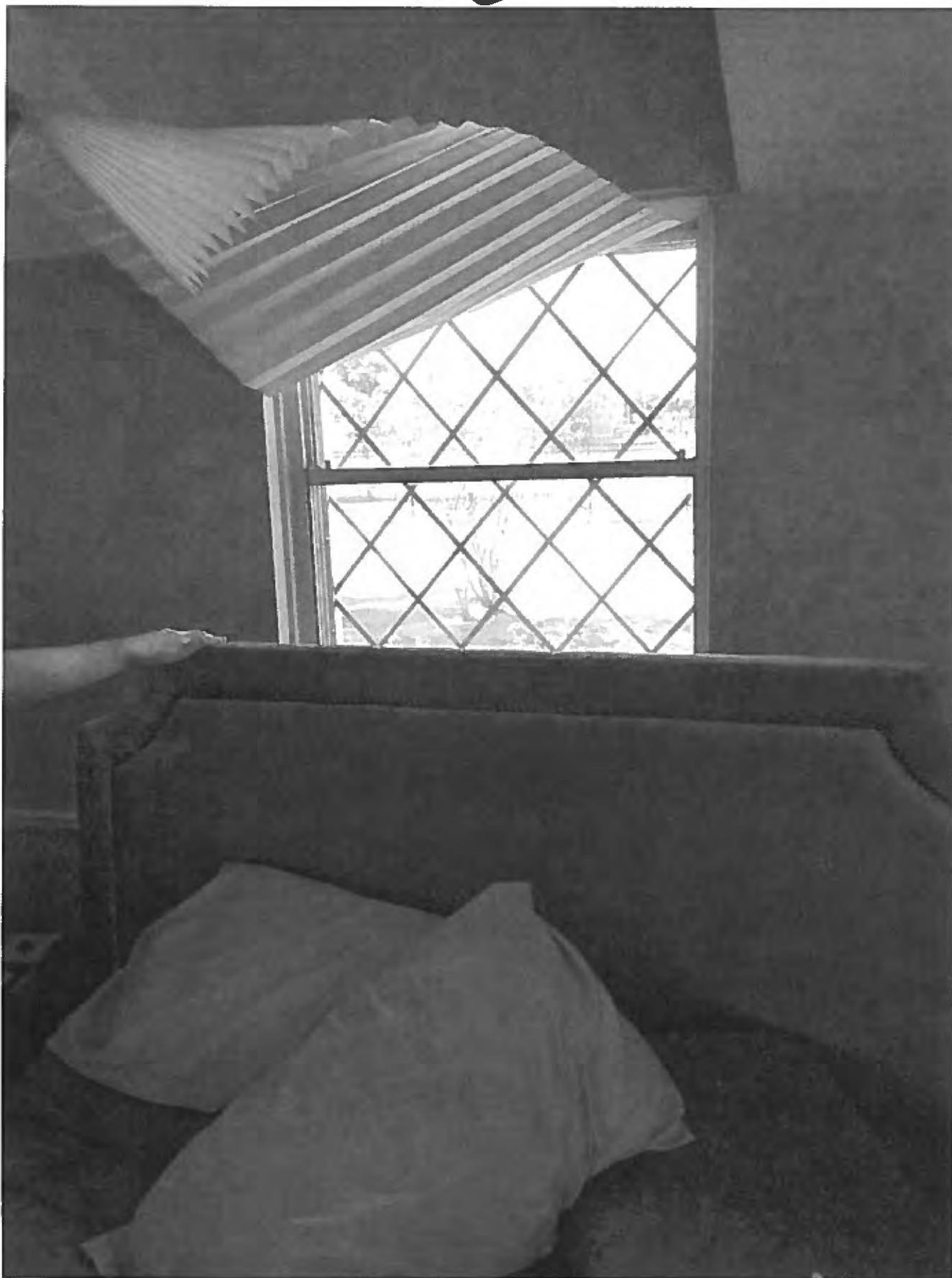
B



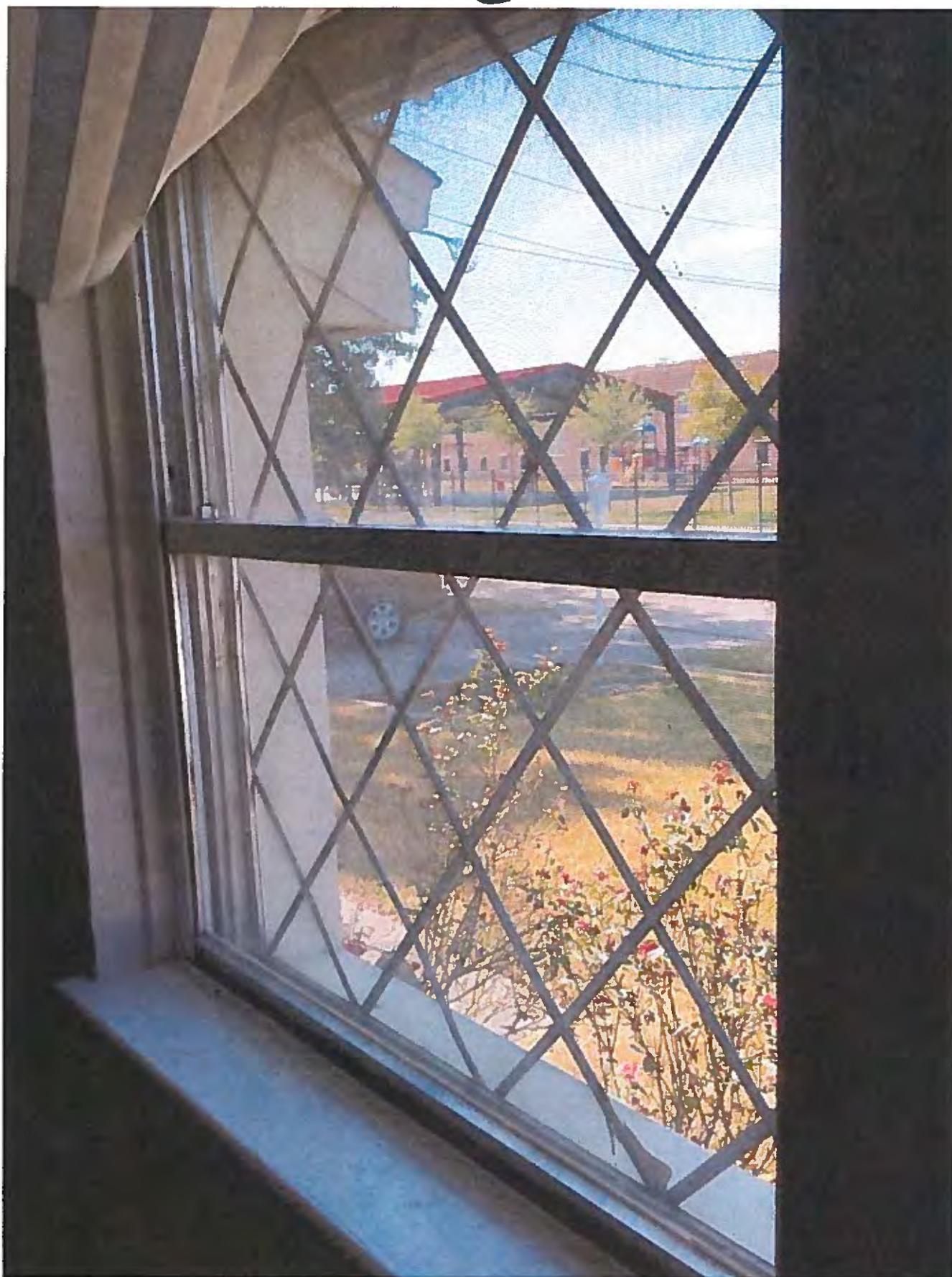
B



C



C



C



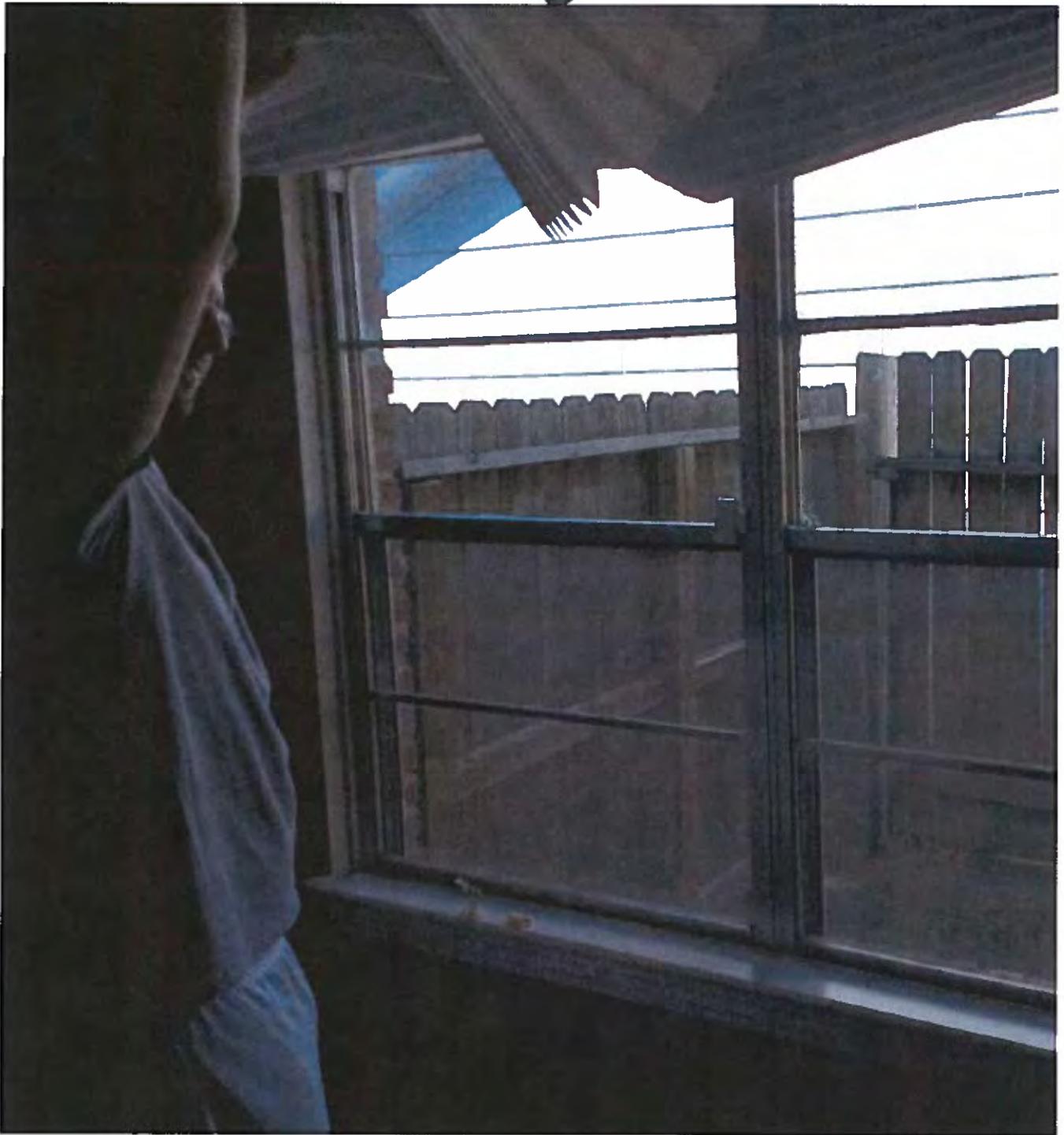
D



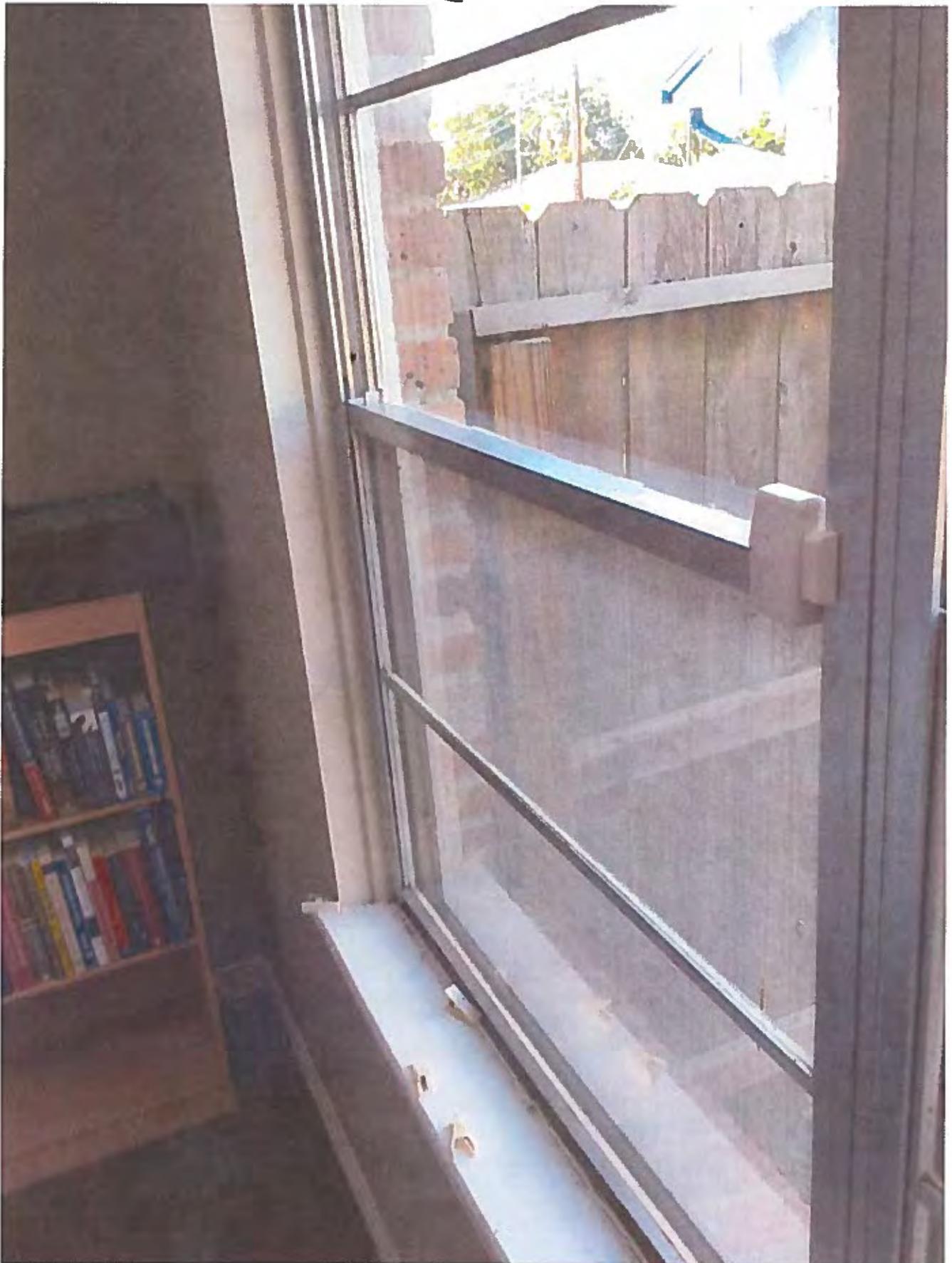
D



E



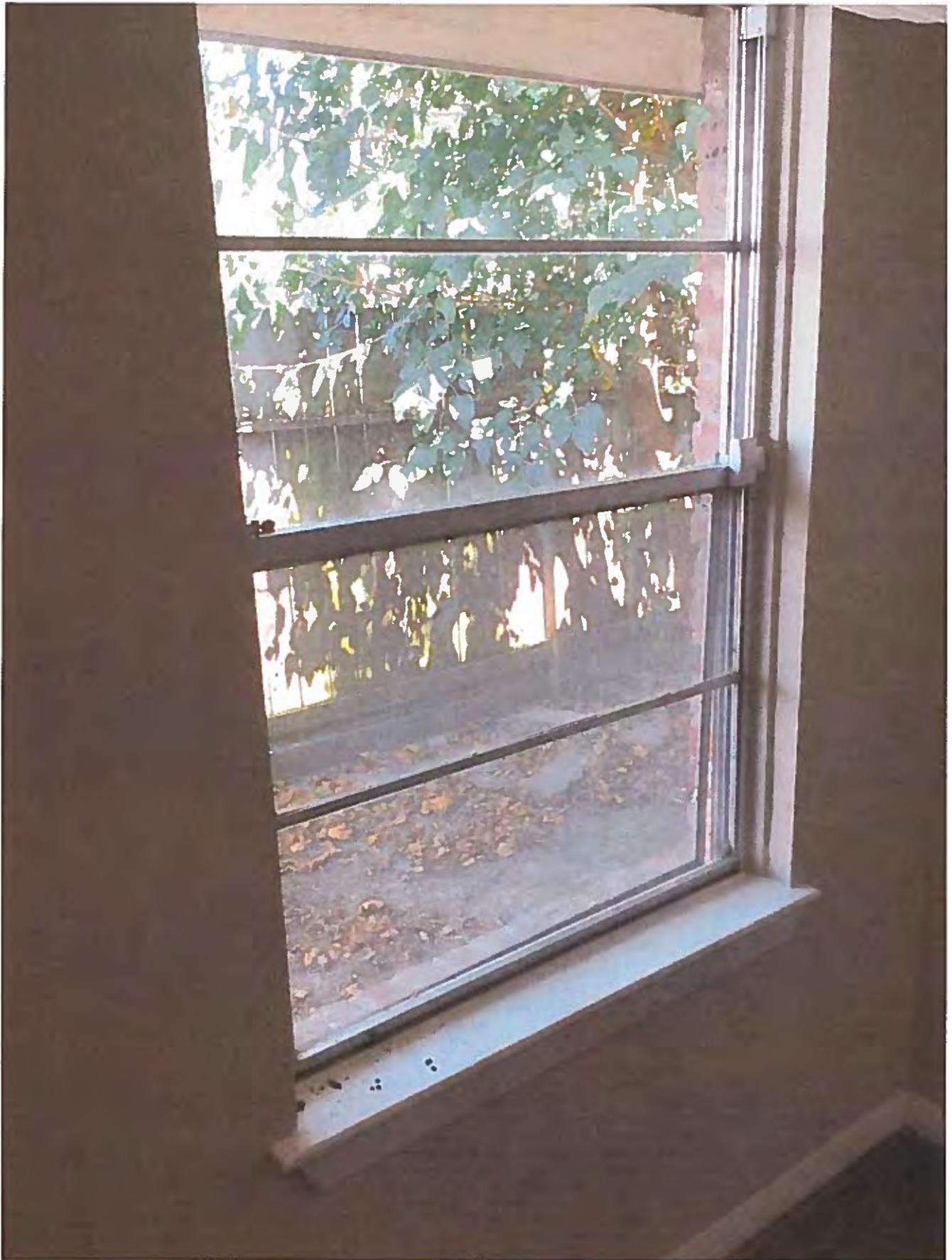
E



E



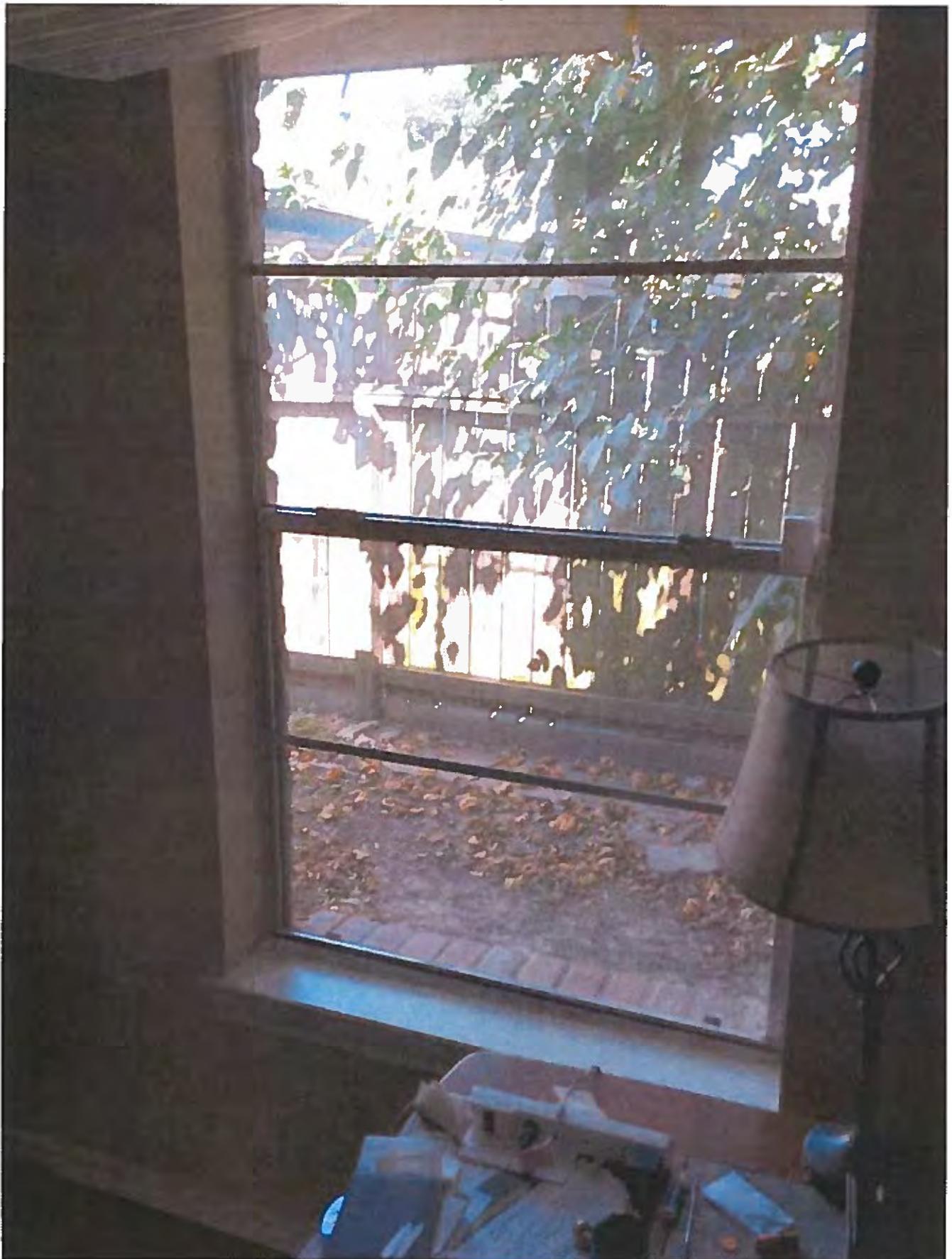
П



F



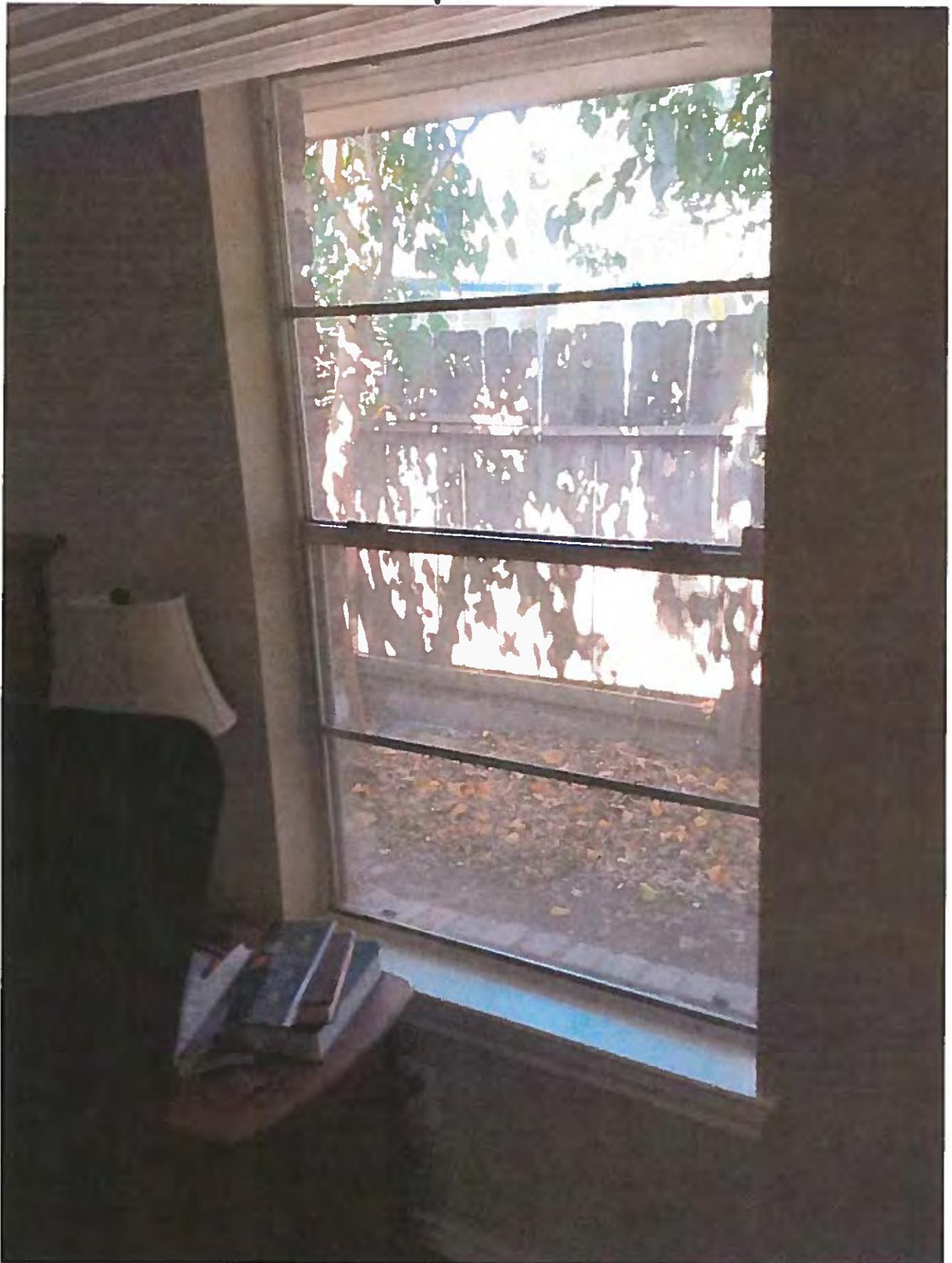
6



G



H



H



H



H



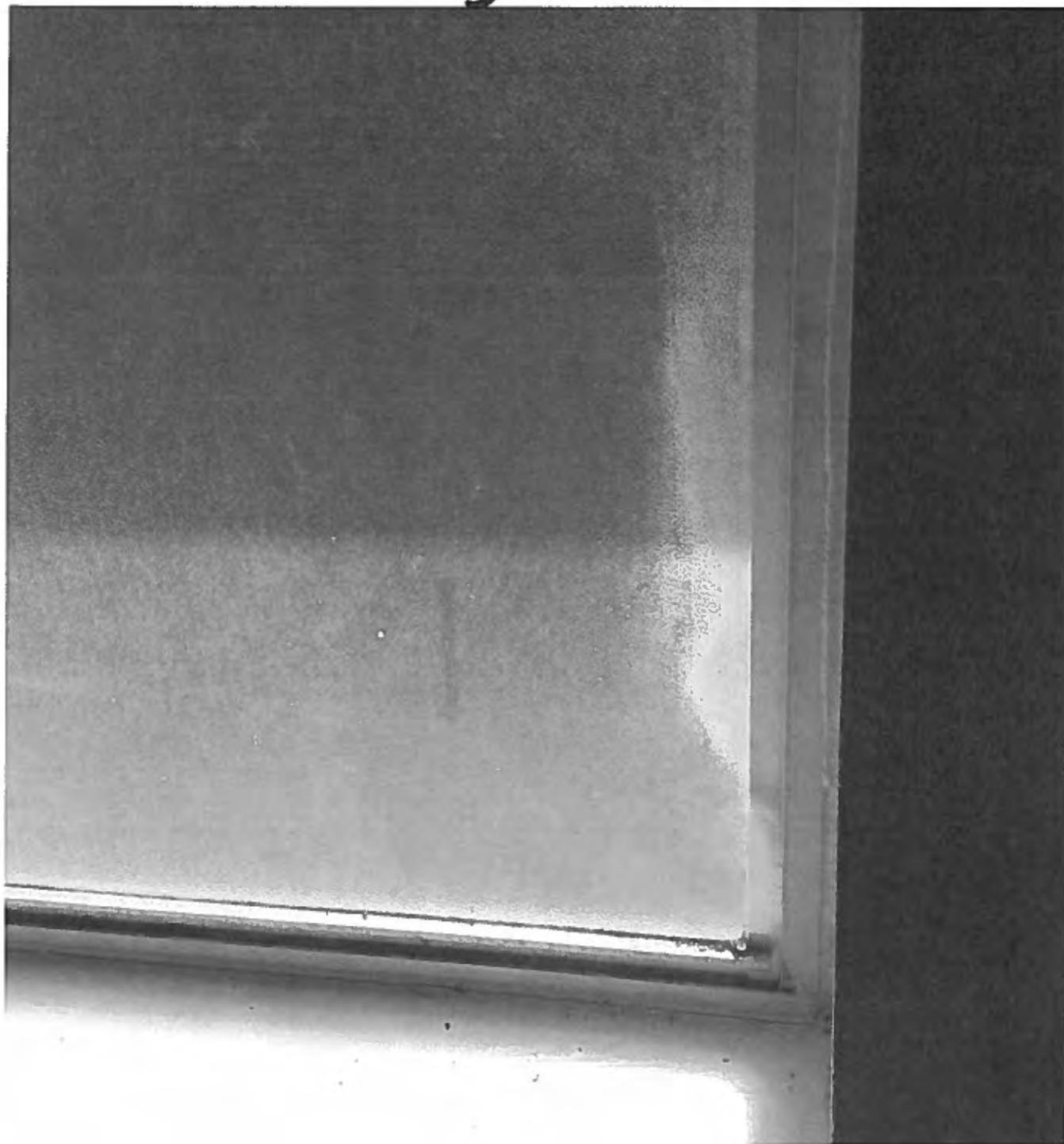


I

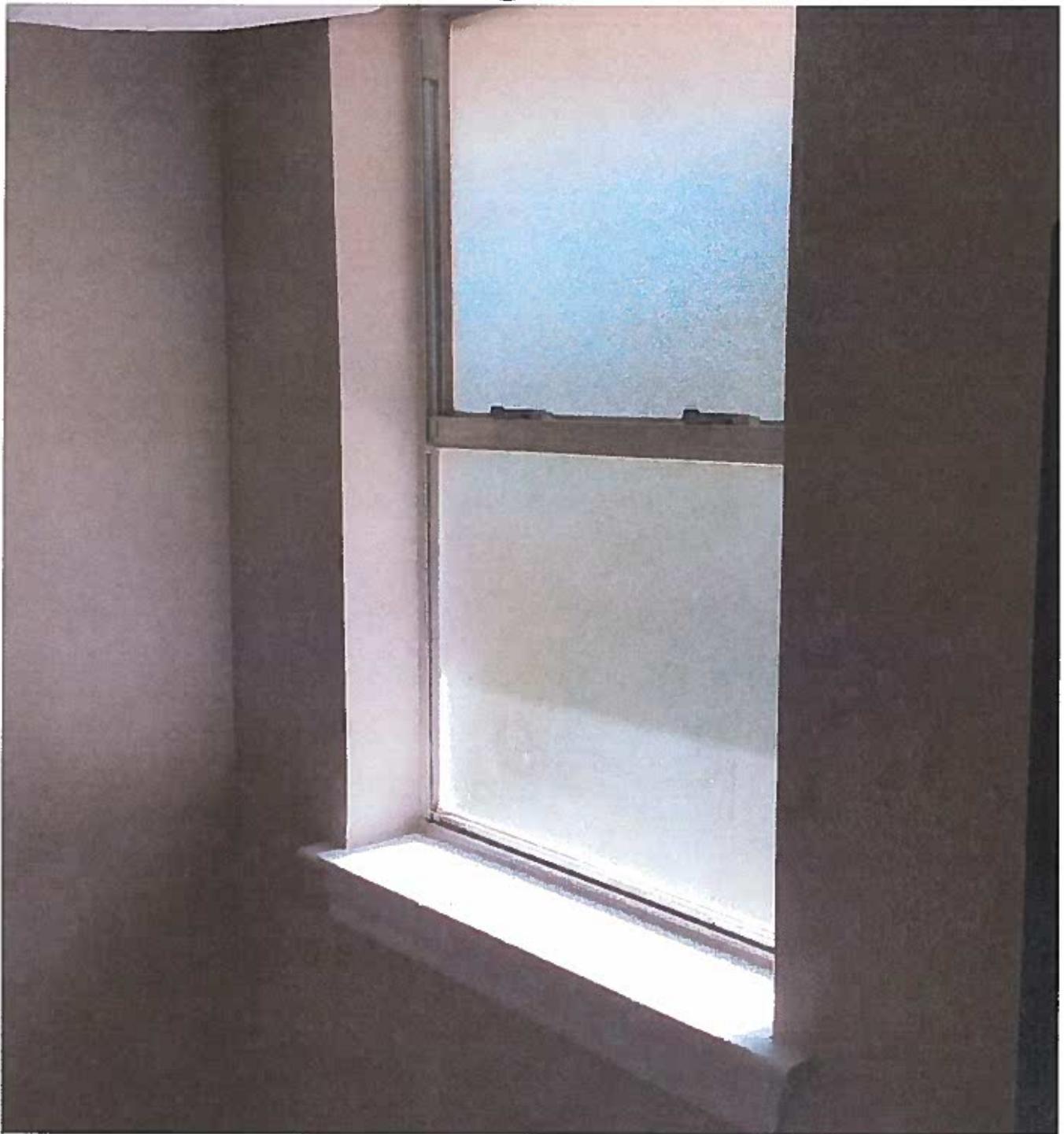




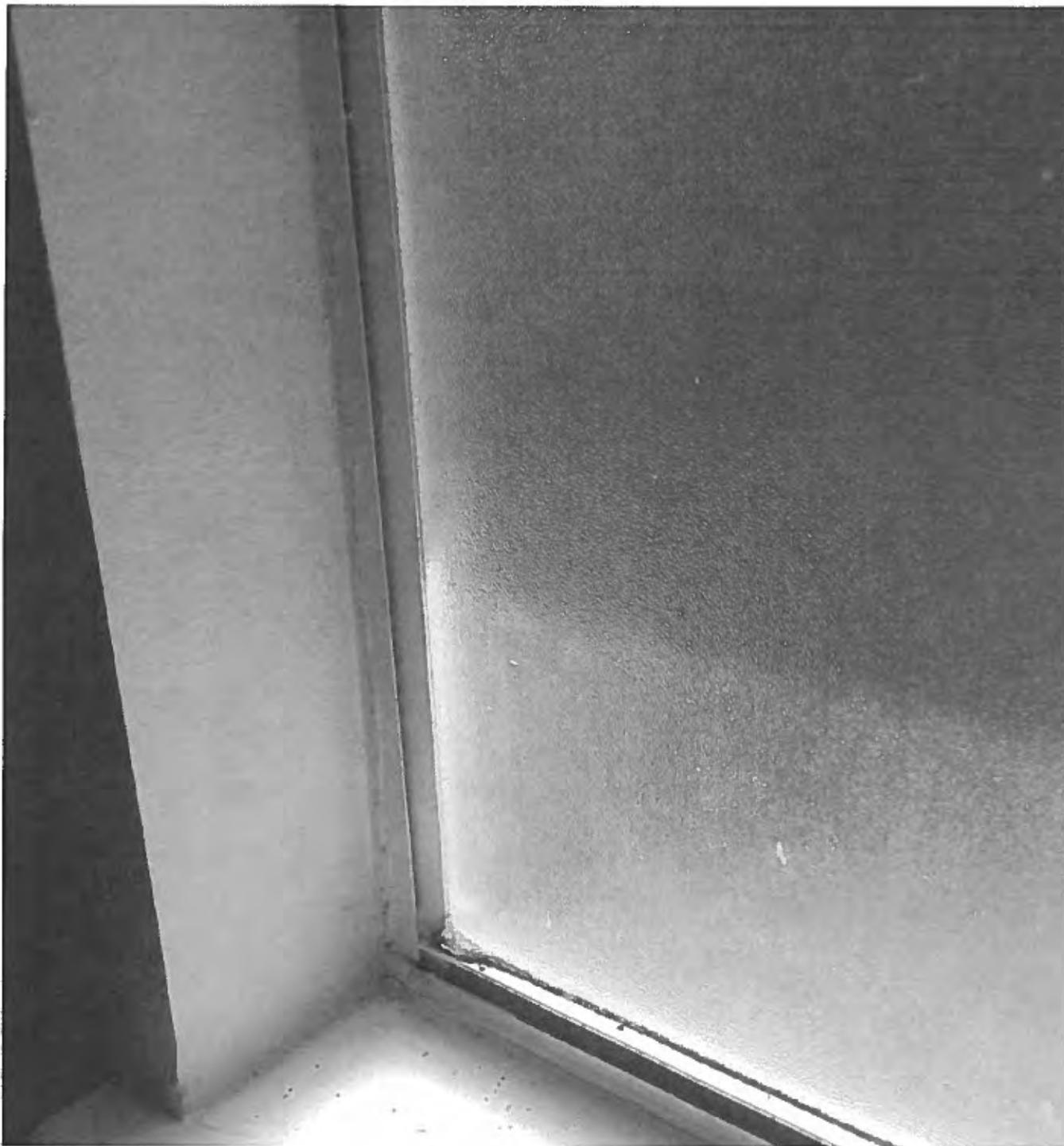
5



5



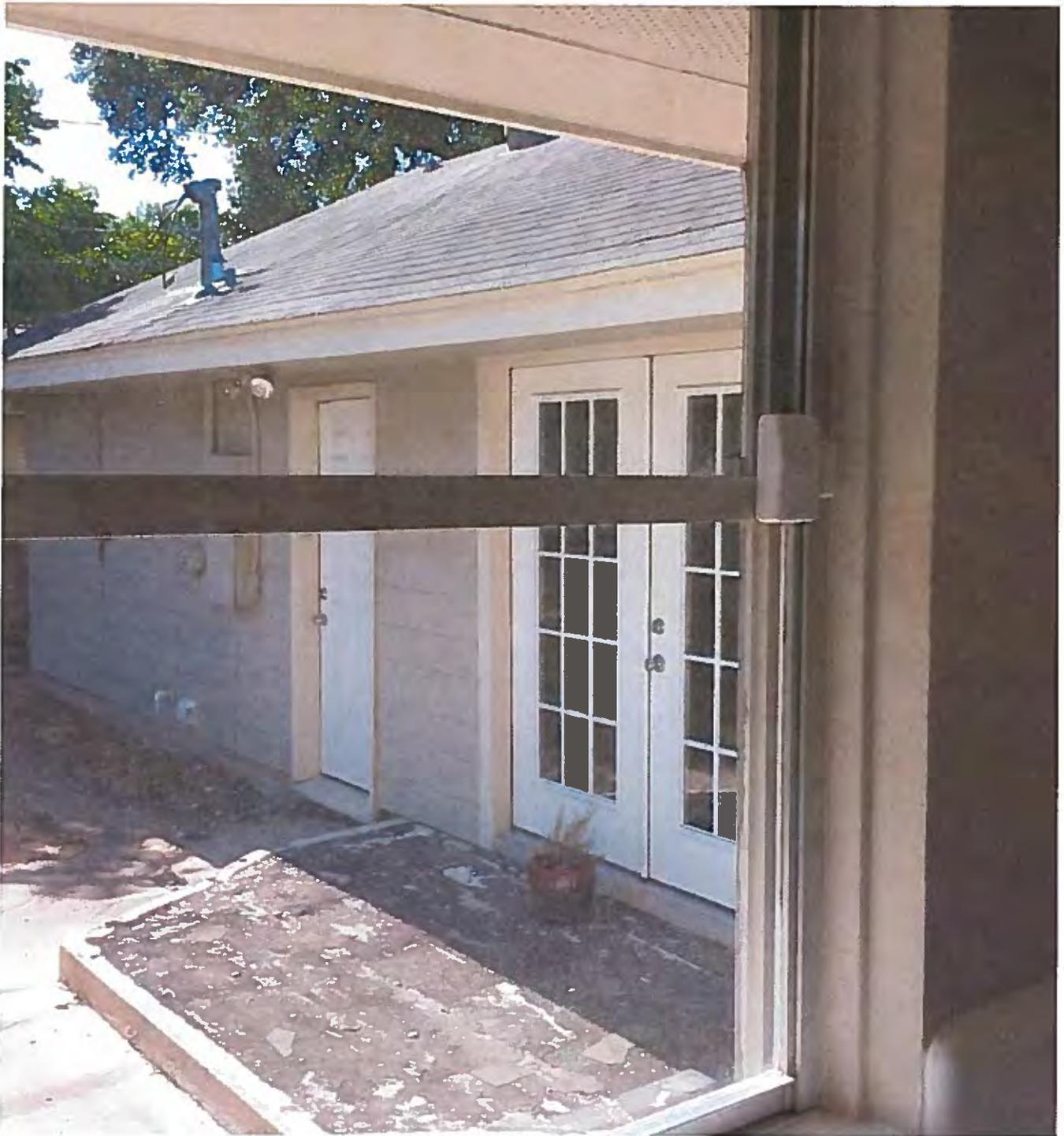
J

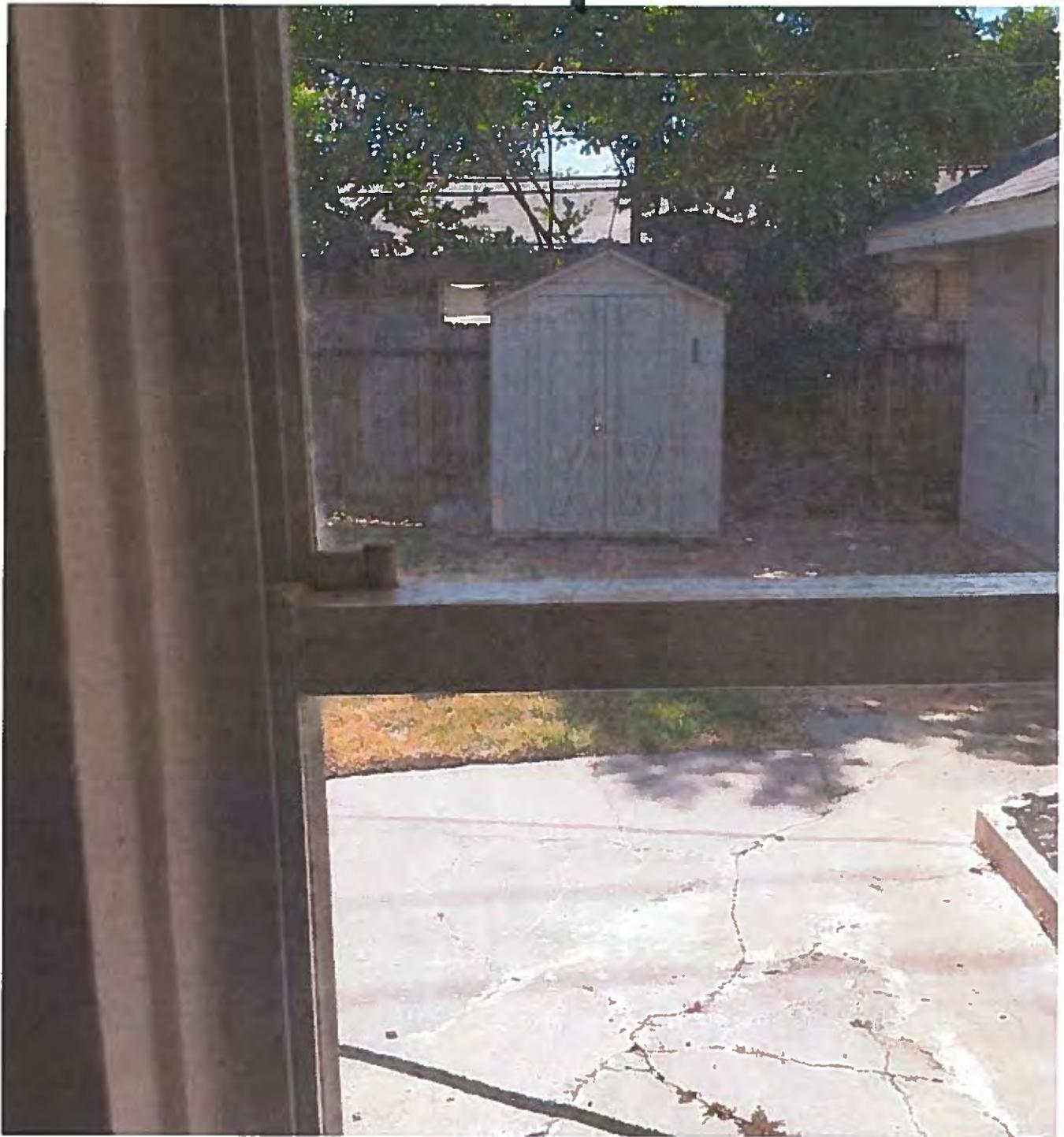


K



K





✓

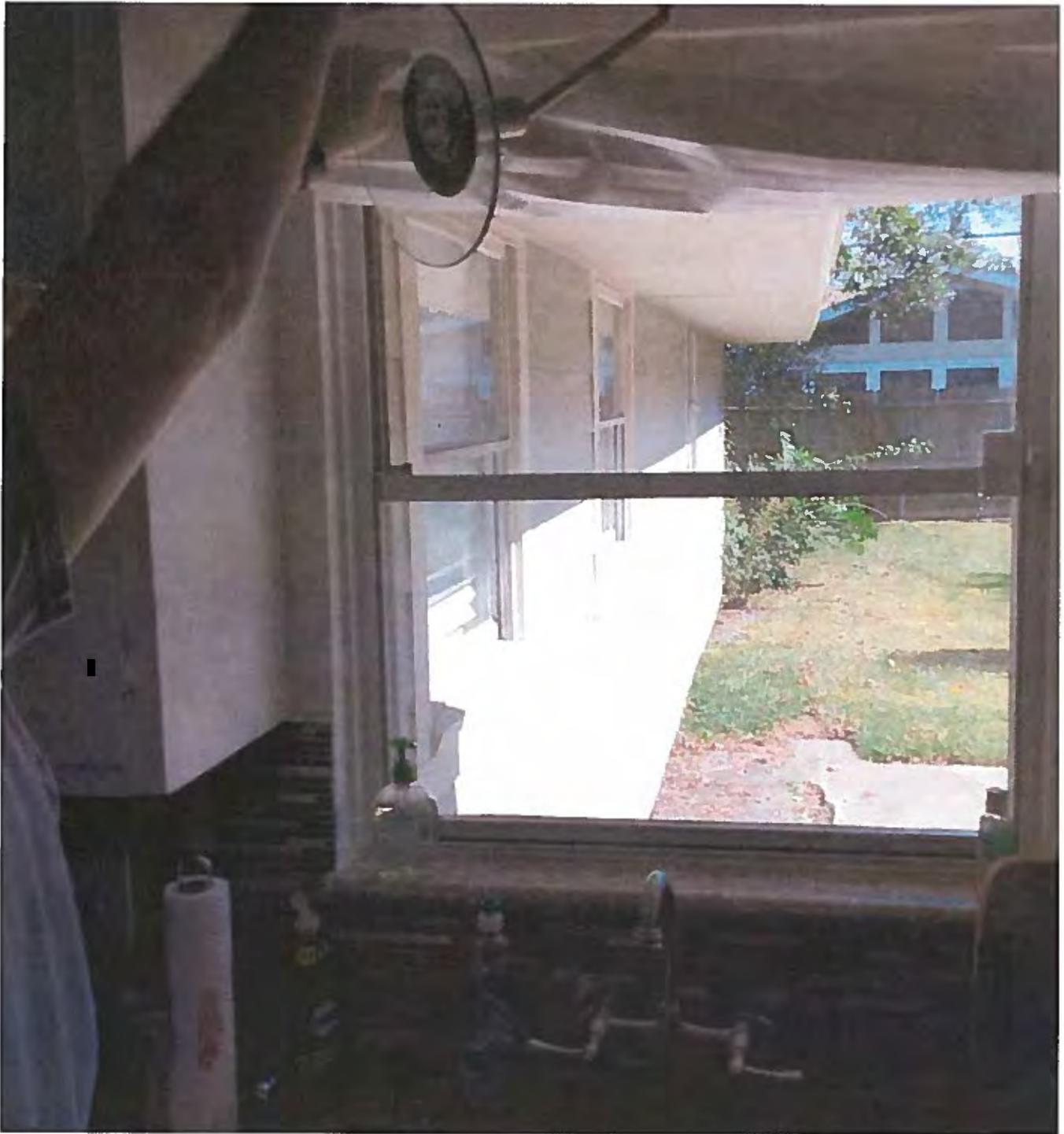


L





M



M



M





William Mitchell

WILLIAM MITCHELL  
 7654 ROCKHILL ST  
 HOUSTON TX 77061  
 PROJECT GLENBROOK VALLEY

FRONT

DATE July 1 2015

