STAFF REPORT 08-12-2020 REGULAR MEETING APPLICATION NUMBER: 20-6620 ADDRESS: 1681-1683 ATKINSON STREET HISTORIC DISTRICT: ATKINSON AVENUE APPLICANT: JOY CRANSHAW PROPERTY OWNER: JOY CRANSHAW DATE PROVISIONALLY COMPLETE: 07-27-2020 STAFF SITE VISIT: 08-04-2020

### SCOPE: REPLACE EXISTING WOOD & VINYL WINDOWS

### **EXISTING CONDITIONS**

The building located at 1681-1683 Atkinson Street is a 2  $\frac{1}{2}$  -story multi-family residence constructed ca. 1915. The building is clad in variegated red brick with limestone, stucco and painted wood details. The asymmetrical front façade features a two-story porch at the right (west) half of the elevation and a two-story projecting bay at the left (east) half of the elevation. The main entry door to the building is located under the covered porch and is accessed from grade via six front steps. The multi-hipped roof is covered in dark gray asphalt shingles and features two dormers – one at the front (north) roof surface and one at the rear (south) roof surface. The dormer at the front elevation contains three historic divided lite wood windows. The building retains the majority of its historic wood double hung and casement windows. Vinyl replacement windows can be found at the bay on the front elevation of the building and at the rear of the building. The property includes a garage situated at the southeast corner of the lot. The garage is accessed via a concrete driveway adjacent to the building on the east side.



Photo taken by HDC staff – August 4, 2020

### **PROPOSAL**

With the current proposal, the applicant is seeking the Commission's approval to replace (8) existing vinyl single hung windows and (26) historic wood double hung and casement windows with new composite (reclaimed wood fiber and

thermoplastic polymer fused together) windows of single hung and fixed operation per the attached drawings and **application**. Included in the proposal are the following scope items:

- Remove (8) existing vinyl single hung windows and associated vinyl trim/wrap in their entirety and replace with new Anderson 100 series composite (reclaimed wood fiber and thermoplastic polymer) single hung windows with simulated divided lite upper sashes (3 vertical lites/1). Any existing wood trim remaining beneath aluminum or vinyl trim/wrap to be repaired and retained. If wood is beyond repair, damaged pieces will be replace in kind with wood.
- Remove (20) existing wood double hung windows and aluminum storms in their entirety and replace with Anderson • 100 Series composite single hung windows. Remove (6) existing wood casement windows and aluminum storms in their entirety and replace with Anderson 100 Series composite fixed windows. All existing trim and brick mold to remain unless deteriorated beyond repair in which case the trim/brick mold will be replaced in kind with wood.
- Wood divided lite attic windows are to remain at this time. •
- All replacement windows to be finished in "Dark Bronze" color on exterior.

### **STAFF OBSERVATIONS & RESEARCH**

- Atkinson Avenue Historic District was designated in 1984.
- Staff observed that the following work items have been completed without a COA:
  - Vinyl replacement windows (proposed to be replaced in this application) at the front elevation 0
  - Vinyl replacement windows at rear elevation
  - o Glass block at all basement windows
- The windows at time of designation were 1/1 double hung windows. No muntins were present in the upper sashes.
- This application was originally heard by the Commission at the regularly scheduled virtual HDC meeting held on June 10, 2020. At that time, the Commission determined the application to be incomplete and required the following additional documentation for the application to be considered complete and put back before the Commission at a later meeting date:
  - o Cost estimates for both wood replacement windows and aluminum-clad wood replacement windows
  - o Cut sheets for the proposed Fibrex replacement windows in addition to cut sheets for wood replacement windows and aluminum-clad wood replacement windows
  - o Specifications, including profile drawings of top rail/header, bottom rail/sill, meeting rail and jambs for the existing wood windows, the proposed Fibrex replacement windows, wood replacement windows, and aluminum-clad wood replacement windows
- The applicant provided all additional documentation.
- For reference, the four (4) window conditions represented in the application material is as follows:
  - Existing wood windows
  - Fibrex replacement windows (Andersen 100 Series) Proposed replacement product
  - Wood replacement windows (Jeldwen Custom Wood Windows/Jeldwen Siteline Wood Windows) provided at request of the Commission at the June 10, 2020 HDC meeting.
  - Aluminum-clad wood replacement windows (Andersen E Series) Provided at request of the Commission 0 at the June 10, 2020 HDC meeting.

### ISSUES

- The wood double-hung windows are character-defining features of the property.
- Staff is not familiar with the "composite" material proposed for the replacement windows and is concerned about its longevity and that it may not be a compatible with the historic character of the property or district. Having never seen a window made of the composite material, staff is unable to know what to expect with the proposed replacement product.
- In comparing the three (3) replacement options Fibrex (Andersen 100 Series), Wood (Jeldwen Custom Wood Windows/Siteline Windows), and Aluminum-clad wood (Andersen E Series) - it is staff's observation that the wood replacement windows (Jeldwen Custom Wood/Siteline Windows) are the closest in profile and sight line dimensions to the existing wood windows. Pulling just one dimension from the drawings for a quick comparison the vertical dimension of the meeting rail:
  - Existing Wood Windows: • Fibrex (Andersen 100 Series) Replacement:
- $1 \frac{1}{2}$ "  $2 \frac{3}{16}$

$$/_{16}$$
" ( $^{11}/_{16}$ " larger than existing)

- $\circ$ Aluminum-clad wood (Andersen E Series) Replacement: $1 \frac{43}{64}$ " (11/64" larger than existing) $\circ$ Wood (Jeldwen Custom Wood/Siteline) Replacement: $1 \frac{7}{16}$ " (11/64" larger than existing)

The aluminum-clad (Andersen E Series) is also very close but not as close as the wood replacement product. The

Fibrex (Andersen 100 Series) replacement product, which is the proposed replacement product in this application, differs the most in profile and sight line dimensions and design. The Fibrex (Andersen 100 Series) replacement product, in general, has larger dimensions than the existing wood windows and, therefore, will appear "thicker" than the existing wood windows.

- It is staff's opinion that the application does not sufficiently demonstrate that the severity of deterioration of the existing windows requires replacement rather than repair. Furthermore, the estimate for repair (included in the submission package) indicates that repair and restoration of the existing wood windows is possible even though more costly than replacing.
- As the applicant states, they "have not been able to find any documentation of what the grille pattern was on the original windows." Therefore, the proposed muntin pattern for the upper sashes of the 8 windows on the front elevation of the house is not based on any previous light configuration of windows in that location. As mentioned above, at the time of designation, the windows were 1/1 and it is staff's opinion that the replacement windows should reflect that configuration.

### **RECOMMENDATION**

1. It is staff's opinion that the replacement of the (20) existing wood double-hung and (6) existing casement windows removes historic materials and features that characterize the property. Staff therefore recommends that the Commission deny a Certificate of Appropriateness as the proposed work does not meet the Secretary of the Interior's Standards for Rehabilitation, especially:

#2) The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

#5) Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.

#6) Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

#9) New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

2. It is staff's opinion that the replacement of the (8) existing vinyl windows as well as the repair and replacement in kind of the wood trim beneath the aluminum/vinyl wrap does not destroy historic materials that characterize the property nor does it alter features or spaces that characterize the property. Staff therefore recommends that the Commission issue a Certificate of Appropriateness as the completed work meets the Secretary of the Interior's Standards for Rehabilitation.

However, staff recommends that the Commission issue this Certificate of Appropriateness with the following conditions:

- The replacement windows are to be wood replacement windows, using the Jeldwen Custom Wood Windows/Sightline Windows as the basis of design for profile and sightline dimensions and design rather than the proposed Fibrex (Andersen 100 Series) replacement product.
- The light configuration is to be 1/1 without muntins in either sash.
- The applicant shall revise the submission to reflect the updated replacement window product and light configuration and submit to HDC staff for review and approval prior to pulling the building permit for the project.

### **DESIGNATION SLIDE 1974**



POST-1950 SANBORN MAP





THIS IS A 3-PAGE FORM - ALL INFORMATION IS REQUIRED FOR PROJECT REVIEW

### HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

City of Detroit - Planning & Development Department 2 Woodward Avenue, Suite 808 Detroit, Michigan 48226

### **PROPERTY INFORMATION**

ADDRESS: 1681/1683 Atkinson St.

AKA:

04/01/2020\_

### HISTORIC DISTRICT: Atkinson St.

Scope of work: Doors Chimney Deck Tree/Park Reh     New Construction Demolition Addition Other:	Deck Tree/Park   Ck ALL that apply)     New   Construction     Demolition     Addition   Other:     Property Owner/   Contractor   Business Occupant      Property Owner/ Contractor Contractor Business Occupant Architect/Engineer/ Consultant Property Owner/ Construction St. CITY: Detroit COMPANY NAME: PRESS: 1681/1683 Atkinson St. CITY: Detroit STATE: MI ZIP: 48206 EMAIL: jecranshaw@gmail.com COJECT REVIEW REQUEST CHECKLIST Ise attach the following documentation to your request: EASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB* Completed Building Permit Application (highlighted portions only) ePLANS Permit Number (only applicable if you've already applied for permits through ePLANS) Note: Descington Deck Tenant or Based on the scope of work, additional documentation may be required. See www.detroitmi.gov/hdc for				
Construction Demolition   Addition Other:	Construction Demolition Addition Other:  PLICANTI IDENTIFICATION  Property Owner/ Homeowner  Contractor Contractor COMPANY NAME:  COMPAN	SCOPE OF WORK: V Doors Chimney Deck	Landscape/Fence/ General Tree/Park Rehab		
Property Owner/ Contractor   Homeowner Contractor     NAME: Joy Cranshaw COMPANY NAME:     ADDRESS: 1681/1683 Atkinson St. CITY: Detroit   STATE: MI ZIP: 48206   PHONE: 646-229-0350 MOBILE:   EMAIL: jecranshaw@gmail.com    PROJECT REVIEW REQUEST CHECKLIST Please attach the following documentation to your request:	Property Owner/ Homeowner       Contractor       Tenant or Business Occupant       Architect/Engineer/ Consultant         ME:       Joy Cranshaw       COMPANY NAME:       COMPANY NAME:       Image: Comparison of the consultant         ORESS:       1681/1683 Atkinson St.       CITY:       Detroit       STATE:       ZIP:       48206         ONE:       646-229-0350       MOBILE:       EMAIL:       jecranshaw@gmail.com         COJECT REVIEW REQUEST CHECKLIST       se attach the following documentation to your request:       EMAIL:       jecranshaw@gmail.com         Completed Building Permit Application (highlighted portions only)       ePLANS Permit Number (only applicable if you've already applied for permits through ePLANS)       See www.detroitmi.gov/hdc for		Other:		
Image: Source of the contractor       Image: Business Occupant       Image: Consultant         NAME: Joy Cranshaw       COMPANY NAME:       Image: Consultant         ADDRESS: 1681/1683 Atkinson St.       CITY: Detroit       STATE: MI       ZIP: 48206         PHONE: 646-229-0350       MOBILE:       EMAIL: jecranshaw@gmail.com         PROJECT REVIEW REQUEST CHECKLIST         Please attach the following documentation to your request:	Homeowner ONNELE:   DRESS: 1681/1683 Atkinson St.   DRESS: 1646-229-0350   MOBILE: EMAIL:   jecranshaw@gmail.com   COJECT REVIEW REQUEST CHECKLIST   Isse attach the following documentation to your request:   Completed Building Permit Application (highlighted portions only)   ePLANS Permit Number (only applicable if you've already applied for permits through ePLANS)   See www.detroitmi.gov/hdc for	APPLICANT IDENTIFICATION			
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	Photographs of ALL sides of existing building or site       I scope-specific requirements.	<b>Photographs</b> of ALL sides of existing building or site	scope-specific requirements.		
	<b>Detailed photographs</b> of location of proposed work (photographs to show existing condition(s), design, color, & material)				
Detailed photographs of location of proposed work		<b>Description of existing conditions</b> (including materials and design)			
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Brochure/cut sheets for proposed replacement material(s) and/or product(s), as applicable

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEED) to perform the work.

### SUBMIT COMPLETED REQUESTS TO HDC@DETROITMI.GOV

### Project Review Request Documentation – 1681/1683 Atkinson St.

### **Description of Existing Condition**

Street-facing living room windows are cheap, broken (glass and/or latches are broken, or seals have failed), white vinyl single-hung windows. Remainder of windows included in this request are wood, single-paned windows that are broken, drafty, and/or impossible to open (or to fully close), that have been painted several too many times, and that are rotting in places. Most were probably originally double-hung, though all top sashes are now immobile. There are a handful of small wood windows that are in-swing casements. Aluminum storm windows are on all wood windows, but almost all are missing the glass, and/or the frames themselves are broken. To get through the winter we literally packed the gaps in the windows with fiberglass insulation and tried to seal them up as best we could with contractor bags and duct tape.

### **Expert Assessment/Estimate**

Todd Collins of Artisan Renovations did an assessment of the windows that is included with this application. His conclusion was that the wood windows we are requesting to replace are in bad enough shape that it doesn't make sense to attempt to restore them (and by "restore," he was taking about completely rebuilding all the sashes to start), for three reasons: it would be incredibly expensive, there isn't much period character to these windows and they are barely (if at all) visible from the street, and for efficiency purposes we would need to replace the storms, which obscure the windows from the exterior and also add more to the cost). Given this assessment (for which he charges \$150), we did not ask him to put together a detailed quote for each window, since he would have had to charge us hundreds more. Instead, he put together an overall quote (\$30,000+) for restoring/replacing all of the wood windows included in this application. (By comparison, the replacement windows we are requesting have been quoted for under \$10,000.) Please note that Todd said any wood windows he restored/replaced at this price point would be paint grade wood and not stain grade, so we wouldn't be able to have a dark wood finish to match some of the preserved original interior woodwork. We are hoping that this assessment and estimate will be sufficient to support our replacement request so that we don't have to add additional unnecessary cost to this already expensive project. Todd has kindly offered to speak with you directly if you have any questions. His number is 248-794-5095.

### **Description of Project**

Replacement of all wood windows and street-facing vinyl windows to visually restore the original visual character of the home (dark wood-colored finish to mirror original dark stained wood), while bringing functionality and energy-efficiency into the 21<sup>st</sup> century (double-paned glass, wood and polymer composite material). You may notice additional windows in the photos (e.g., those in the attic) that we are not requesting to replace at this time—either because they are in non-living areas, or because they are sufficiently functional/efficient for the time-being. We just don't have the money to do more than what is necessary to get our heating bills under control right now. We also plan to eventually restore the two original wood doors on the front of the house (entering from 1<sup>st</sup> and 2<sup>nd</sup> floor porches), when Todd/Artisan Renovations has availability and is able to work again.

Placement and sizing of replacement windows will remain the same as existing, since Andersen windows are custom-sized to within one quarter of an inch. Sash width is comparable as well, at approximately 1.5 inches. All double-hung windows will be replaced with single-hung. We would like to

replace the smaller casement style windows with fixed windows, since they will look the same from the exterior, and are not needed for ventilation or egress (there is at least one larger double-hung [to be single-hung] window in each bedroom already).

As noted above, we plan to use a dark bronze wood/polymer composite window that will match the appearance of the original stained wood. The difference in visual appearance between that and the white vinyl on the street-facing windows should be obvious; it will also be a huge improvement as compared to the deteriorated aluminum storm windows currently visible on the exterior of the wood windows.

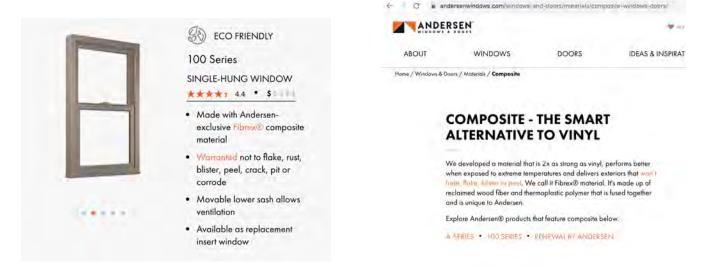
The one additional visual change we are requesting is to add a grille pattern to the top sashes of the street-facing (currently vinyl) single-hung windows to accentuate the Arts & Crafts style of the house. We have not been able to find any documentation of what the grille pattern was on the original windows, but based on Arts & Crafts/Prairie style architecture and the houses on our block with original street-facing windows, we would like to use the pattern circled below in the Brochure/Cut Sheets section. We are willing to consider other grille patterns if that will affect the acceptance of our proposal.

### Scope of Work

Replace all wood windows and street-facing vinyl windows with dark bronze Fibrex windows, complete with LowE glass and antique brass-colored metal hardware. Street-facing living room windows will have simulated divided lite grids. As manufactured By Andersen Windows & Doors. All windows shall be insert type, and reuse existing trim whenever possible. Where existing trim is rotted, it will be replaced with same wood type, size, and style.

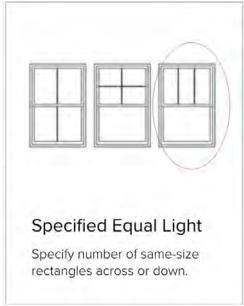
### **Brochure/Cut Sheets**

Andersen Windows: 100 Series Single-Hung Window (for all double-hung windows) Dark Bronze color, to match original dark stained woodwork (some of which is still preserved in the interior of the home). Sizes will be the same as existing windows, since Andersen builds them custom to within a quarter of an inch. Specs for the exact width of the sashes is not available, but we had a store employee measure the floor display, and it was approximately 1.5 inches, comparable to the original windows.



Anderser	n 🔤			WT FAVOR	OTES (0)	ET HED WHERE TO BUY	\$ 1800.425-4261	📳 REDUEST & QUIDTE
SIZING	INTERIOR	HARDWARE	GRILLES	EXTERIOR	GLASS	SUMMARY		
	100 Series Single	Hung Window			SUMMARY	0		
					To purchase this product or customize it further, take this summary to your Andersen dealer.			
					Produ	ict Name	100 Series Single-H	lung Window
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		- 1 C			Unit V	Vidth	29 1/2*	
	1.1.0	100			Unit H	leight	59 1/2"	
	1.11				Interio	or Color	Dark Bronze	
					Glass		Low-E Glass	
	-				Hardv	vare	Metal Slim Line Loc Brass	k, Antique
	Interior	Exterior			Grille	Pattern	None	
S		PRODUCT			Exteri	or Color	Dark Bronze	
SAVE	FIND A DEALER	DETAILS	GET A QUOTE					

Windows on street-facing side of house will have grille pattern as circled below:



Andersen Windows: 100 Series custom fixed windows (for all casement window replacements) Dark Bronze color

Images not available since these will be custom, but they will be the same material as the above singlehung windows, sized to match the current windows.

### **Elevation Photos**

[Close-up photos (interior) of individual windows are also included with this application.]

### Street-facing (north):





East (2 of 2):

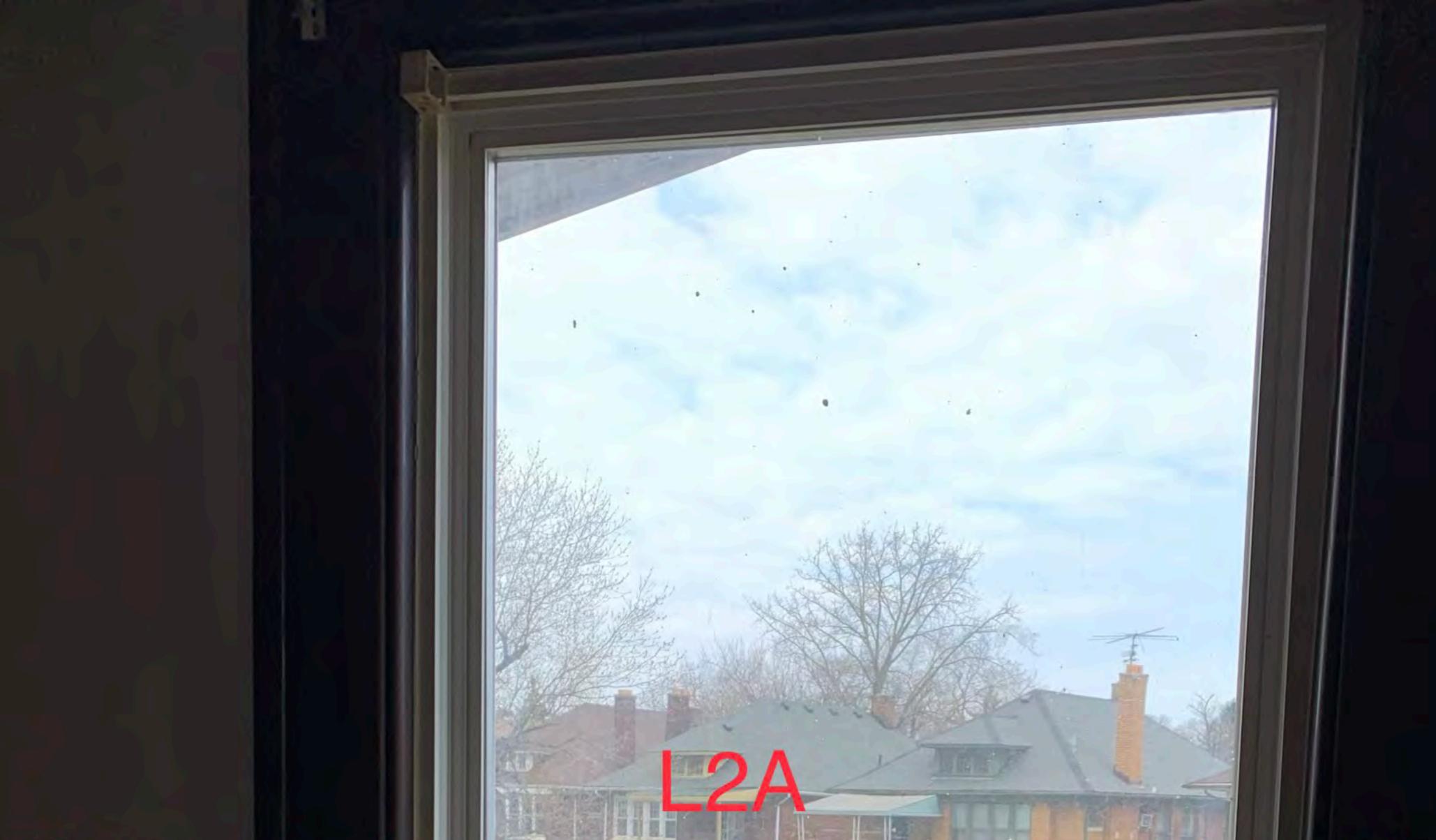


### Back (south):



West:





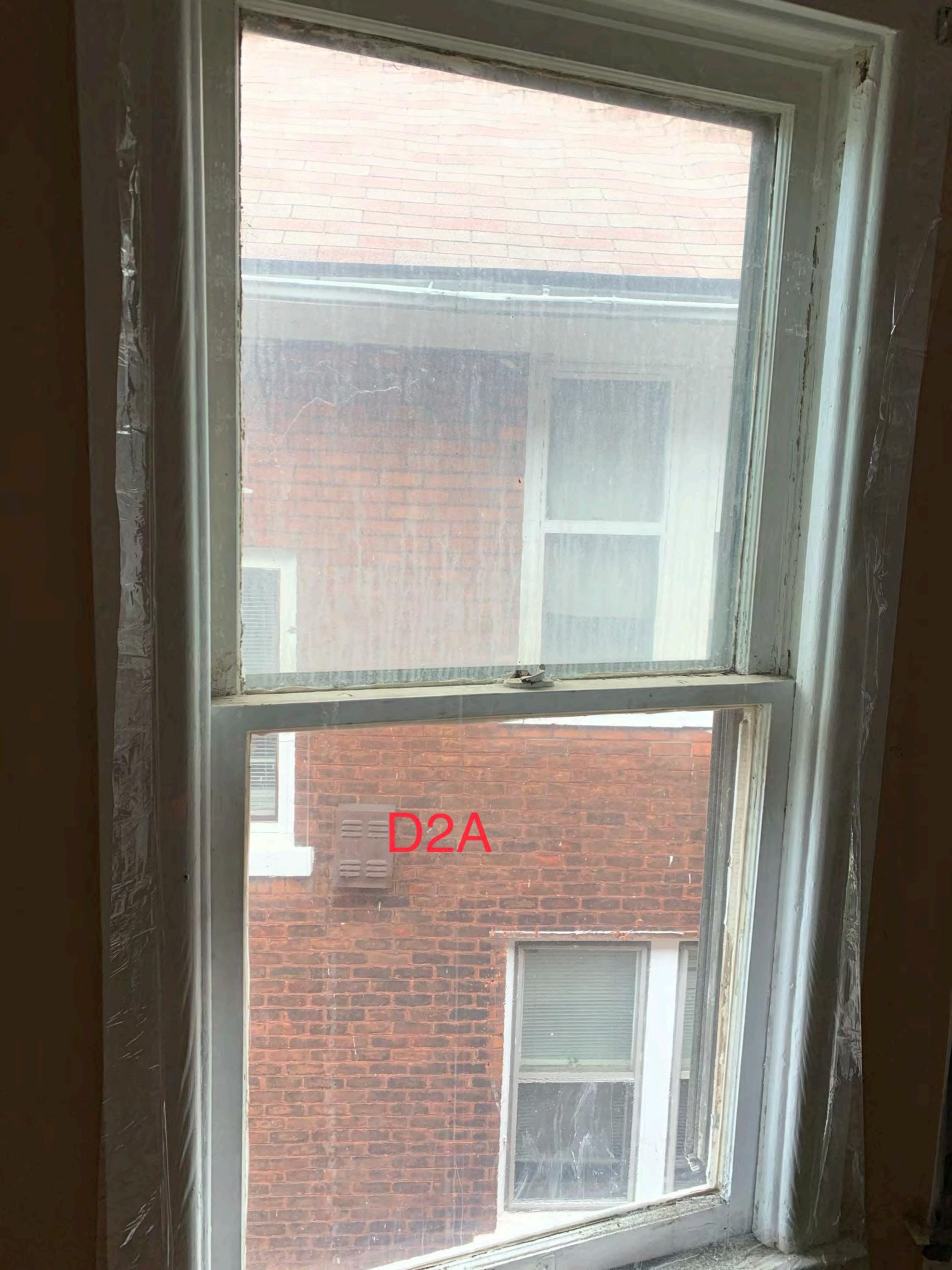
### These 4 vinyl windows are serviceable but 3/4 cannot be locked (cheap mechanisms have failed) and one has condensation in the class















Missing lower sash (covered with contractor bags here for the winter) Broken upper

D2B



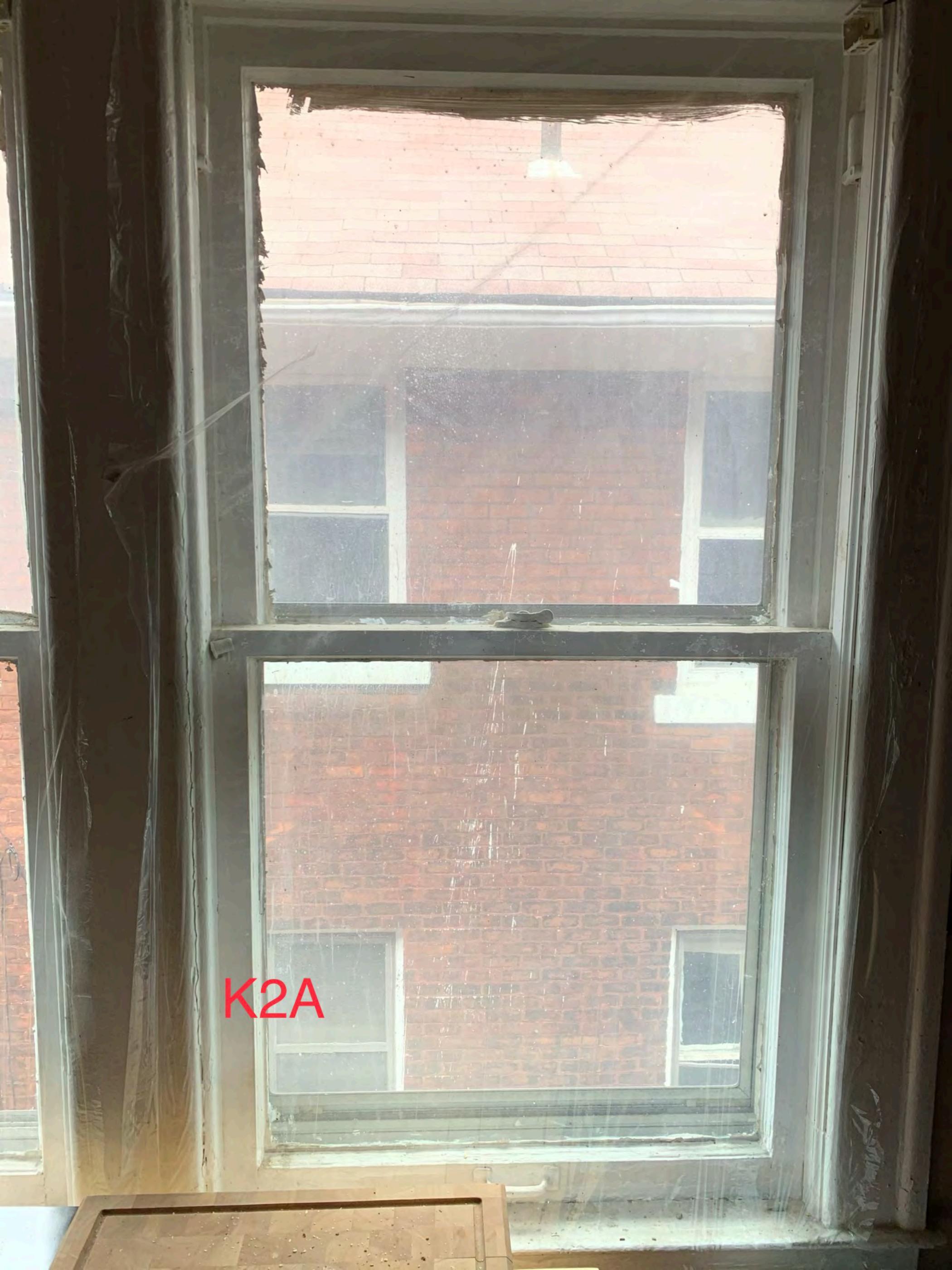




### K2B Broken glass, broken pulley Painted shut



117.50











# Sash cannot close fully





### B2E Painted shut, broken counterweight pulley, broken glass, hardware stuck









### Storm broken, painted shut, huge gaps (seen stuffed with insulation here)

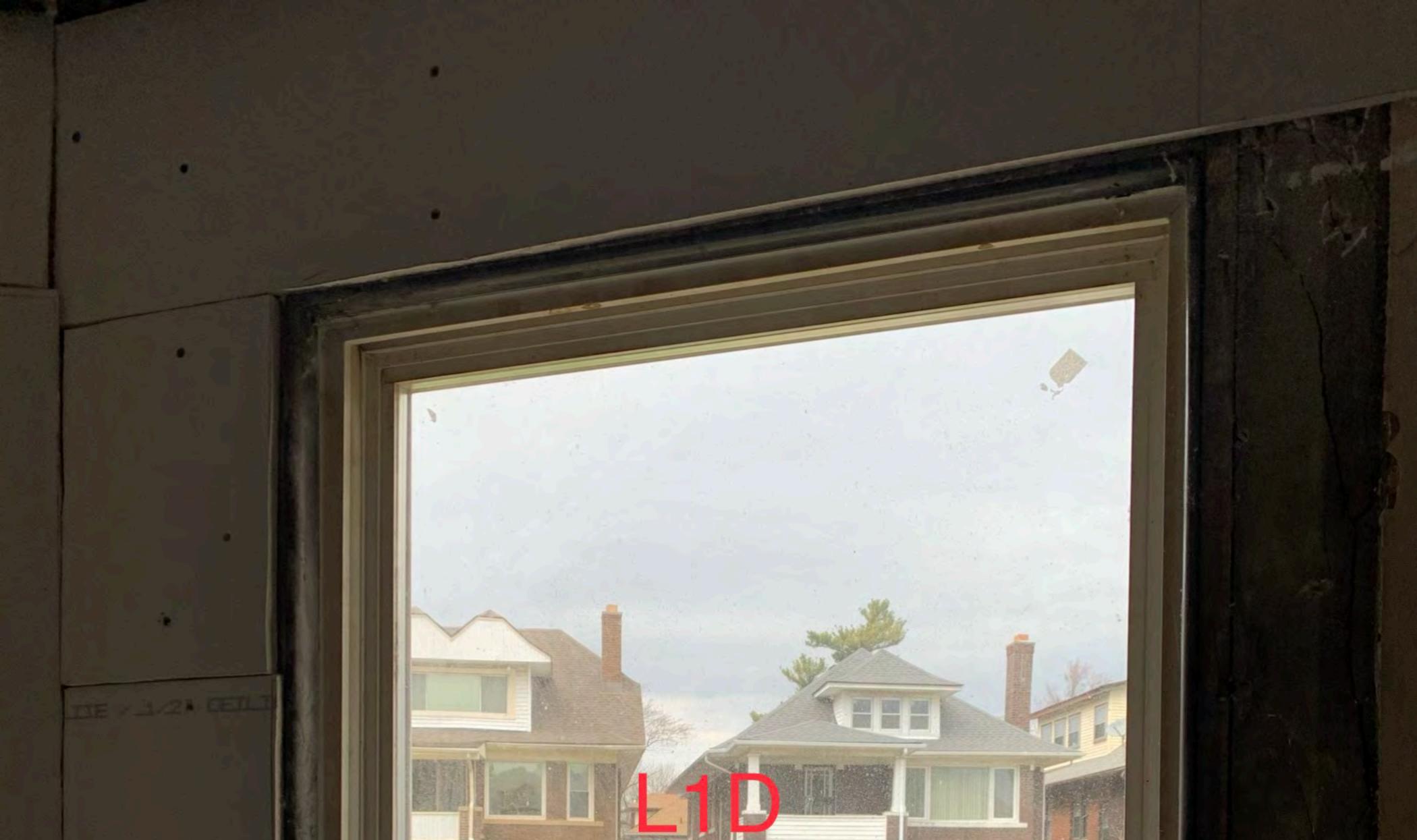




# S1 Broken glass

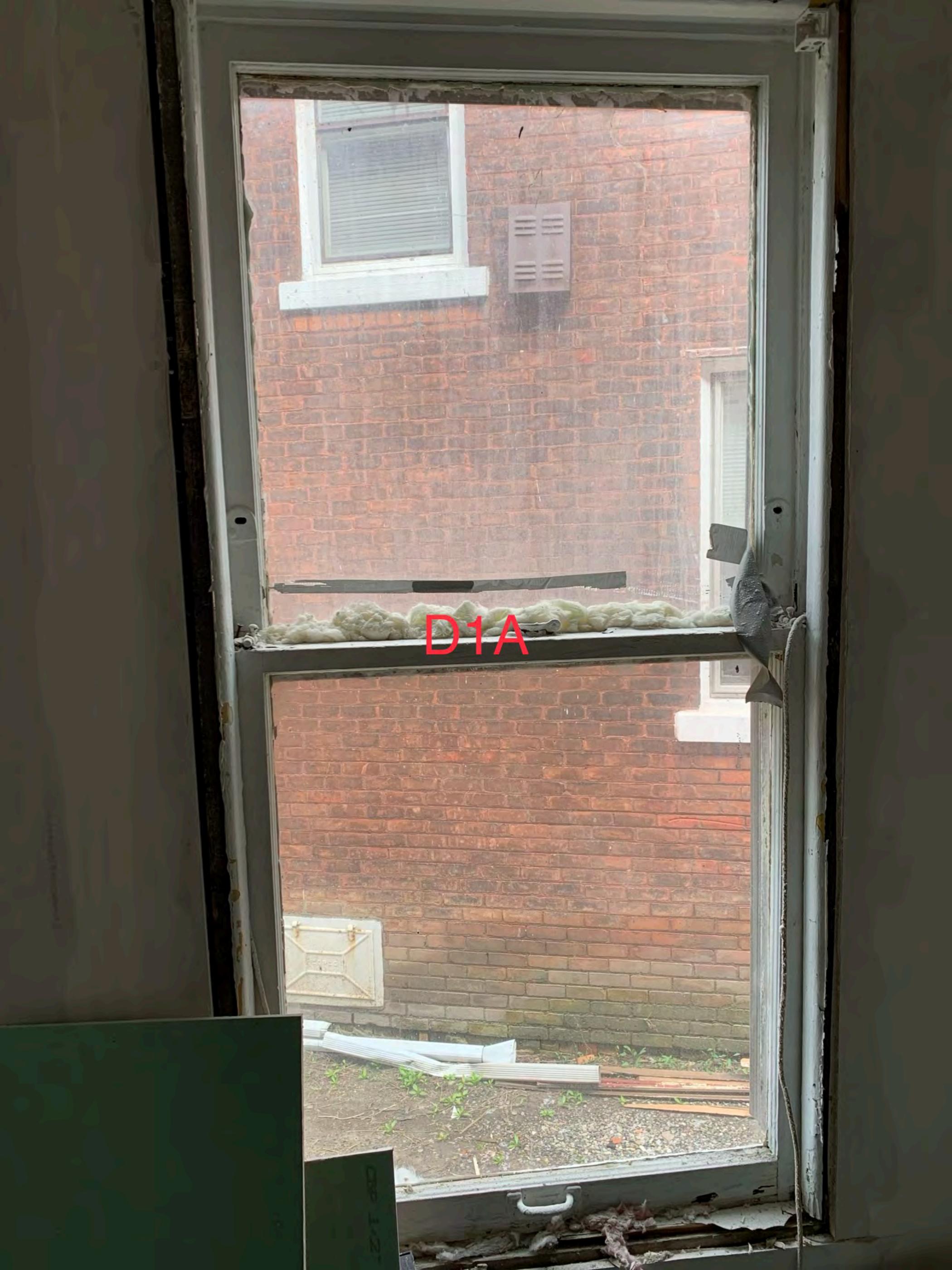


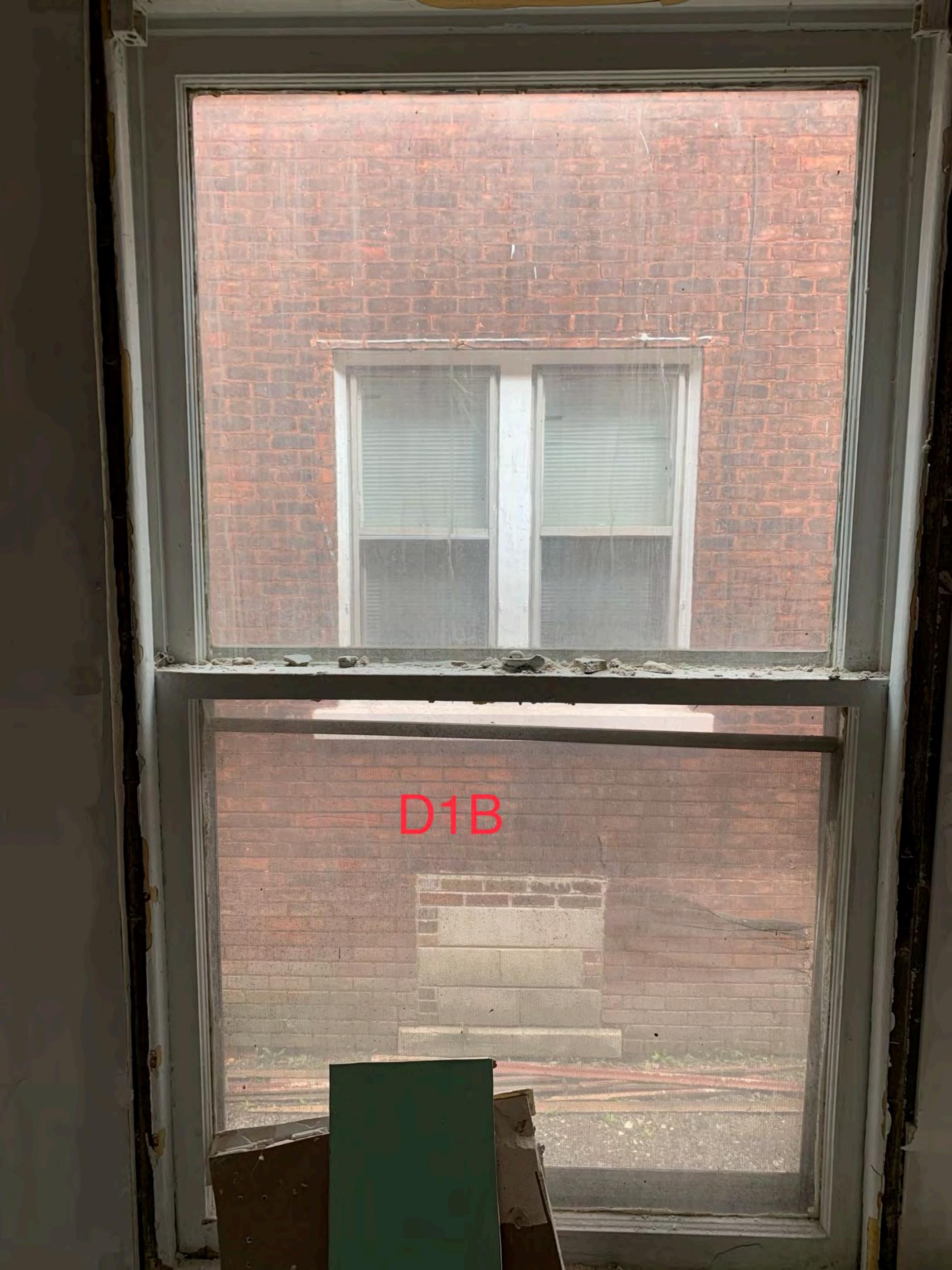


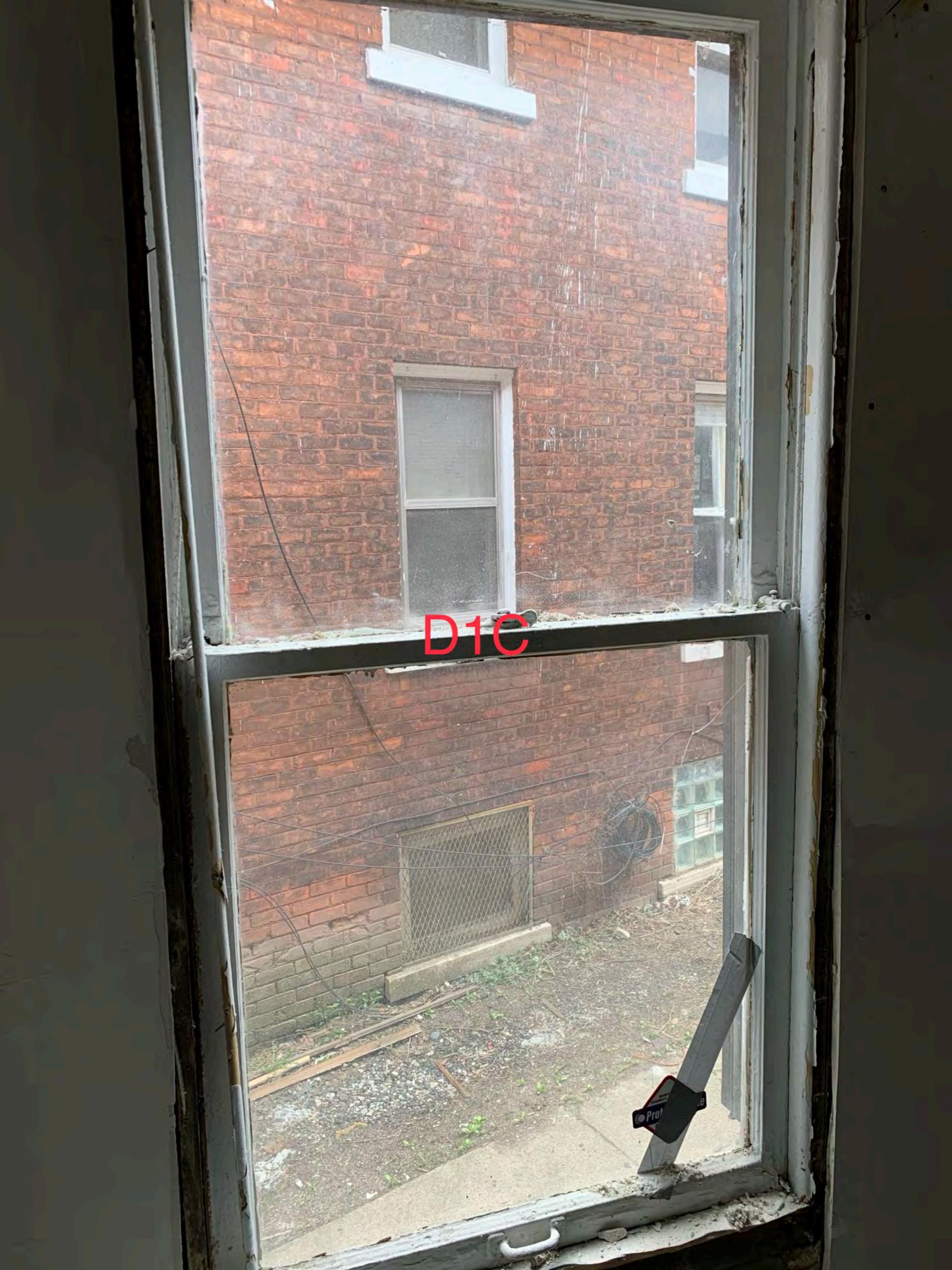


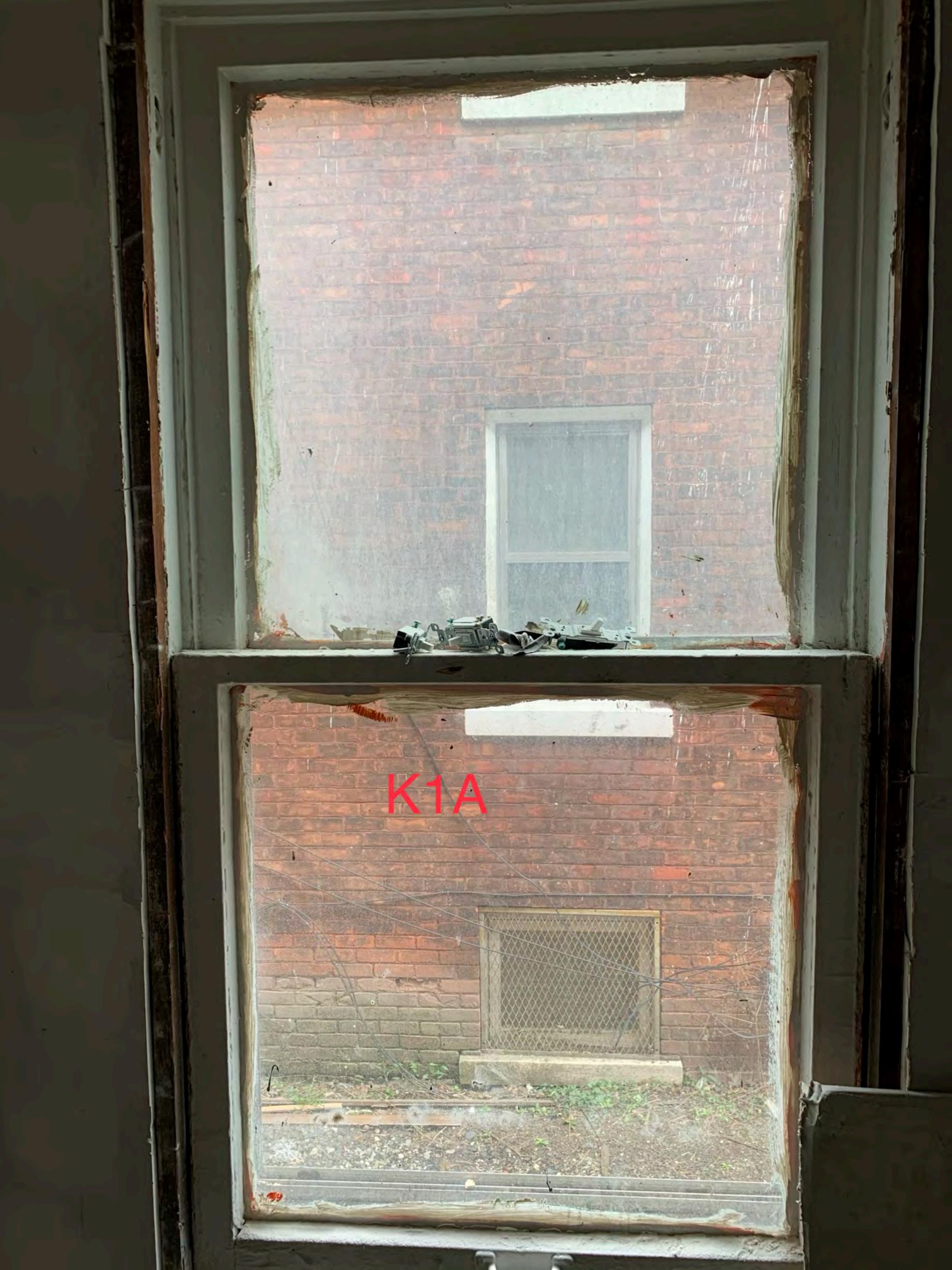
## Existing vinyl windows on first floor were all screwed shut, as the lock mechanisms are broken













# K1B Broken pulleys

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and the second







# B1A Screwed shut Glazing putty worn away





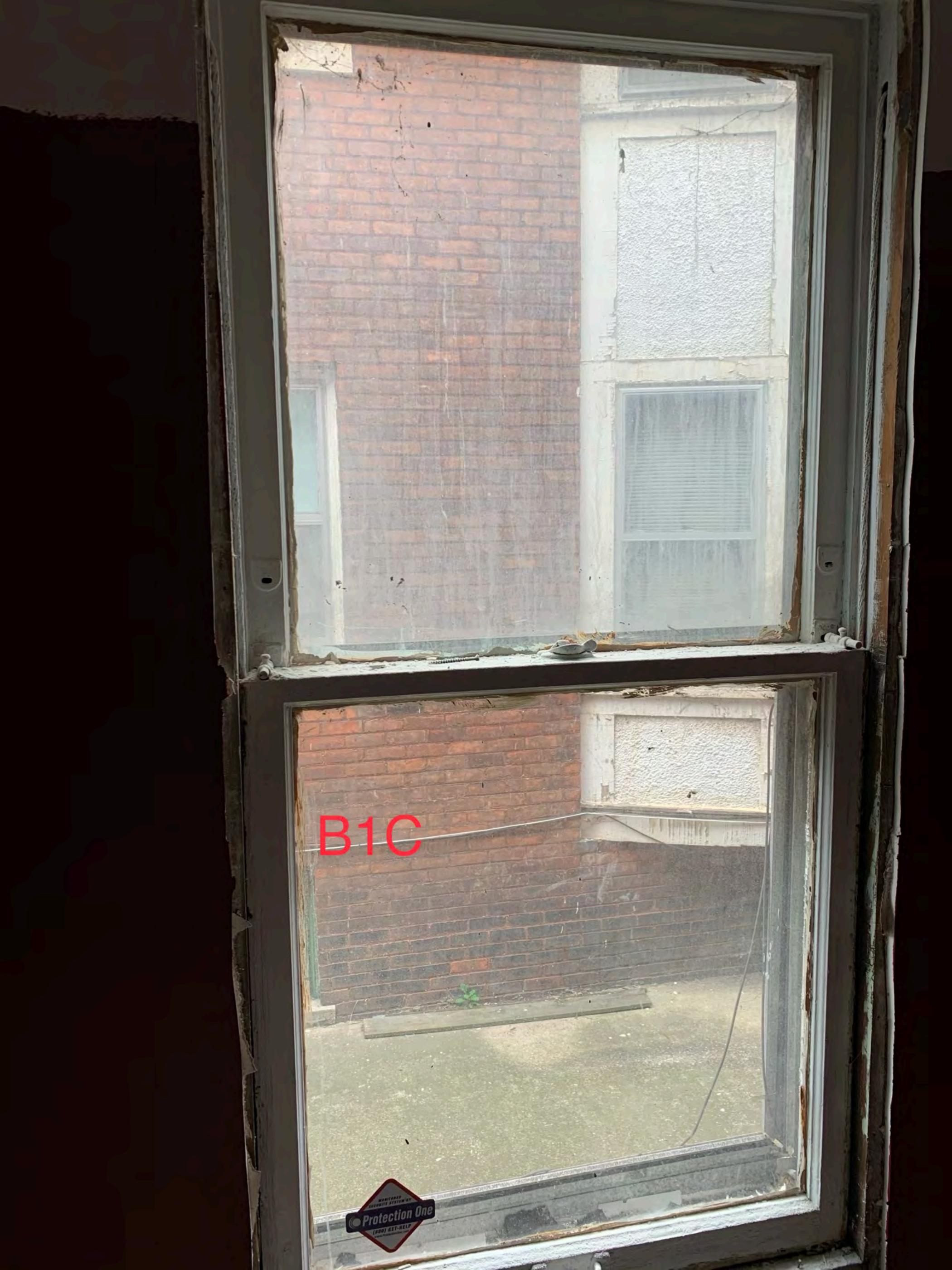
# Missing hardware







# Missing casement window





# aleware cannot lock







4

# Broken glass and pulley cords





This is concrete

This appears to be 2 vinyl windows with vinyl trim. We are not dismantling to "see what's under it" until we know we can replace it. We have asked to replace with a wood composite, and would trim with wood to match the other wood windows. Wood trim will be scraped and restored. Todd found rot in some sills, they may need to be replaced with identical wood.

#### window restoration and replacement quotes.xlsx

Andersen Windows main floor Andersen Windows 2nd floor Andersen Windows stainwells Andersen Windows Total

5

Artisan Renovations Wood Window Restoration/ Replacement

А

Quote to Replace Vinyl Tax for Vinyl Window **Total Price Quoted** Windows-5.972.10 Ś. 5,972.10 \$ 751.22

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replacements

Wood Windows Only 89.28 Ś 89.28 S

4,394,74 4,394,74 751.22 9,540.69

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Portion of Quote to Replace

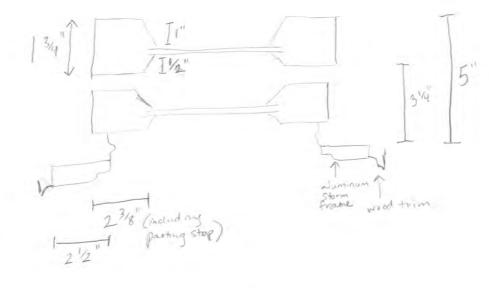
30,420,00

30,420.00

🔀 window specs.xlsx

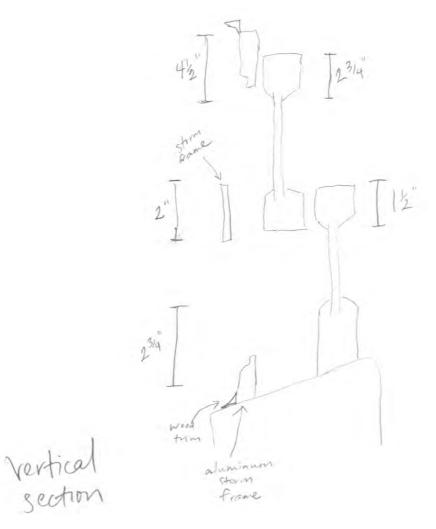
A	B	C	D	E	B	G	H		ų.	К	. L	M
1. Window	Number on photos	existing material	existing operation	existing size (inches)	exisiting sash dimensions (inches)	existing glass dimensions (Inches)	existing grille pattern	replacement material	replacement operation	replacement size (inches)	replacement sash width	replacement grille pattern
2 Living 1A	LIA	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	D	3/1
3 Living 1B	L1B	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	еха	3/1
Living 1C	LIC	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	lct	3/1
Living 1D	LID	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	S	3/1
Dining 1A	D1A	wood, with aluminum storms	double-hung	30 x 61	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 61	pe	1/1
7 Dining 1B	D1B	wood, with aluminum storms	double-hung	36 x 61	35 x 30	31 x 27	1/1	dark bronze fiberglass	single-hung	36 x 61	ecs	1/1
Dining 1C	D1C	wood, with aluminum storms	double-hung	30 x 61	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 61		1/1
Kitchen 1A	K1A	wood, with aluminum storms	double-hung	28 x 52	27 × 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52	5	1/1
0 Kitchen 1B	к1В	wood, with aluminum storms	double-hung	28 x 52	27 x 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52	k	1/1
Bedroom 1A	B1A	wood, with aluminum storms	double-hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60	DC	1/1
Bedroom 1B	818	wood, with aluminum storms	in-swing casement	18 x 22	18 x 22	14 × 18	none	dark bronze fiberglass	fixed	18 x 22	unknown;	none
Bedroom 1C	B1C	wood, with aluminum storms	double hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60	G S	1/1
Bedroom 1D	BID	wood, with aluminum storms	in-swing casement	18 x 22	18 x 22	14 x 18	none	dark bronze fiberglass	fixed	18 x 22	<u>م</u>	none
Bedroom 1E	81E	wood, with aluminum storms	double-hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60		1/1
6 Bedroom 1F	B1F	wood, with aluminum storms	in-swing casement	18 x 22	18 x 22	14 x 18	none	dark bronze fiberglass	fixed	18 x 22	pr	none
7 Bathroom 1	Ba1	wood, with aluminum storms	double hung	28 x 52	27 × 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52	Q	1/1
E Living 2A	LZA.	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	pproximate	3/1
9 Living 2B	LZB	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	10	3/1
U Living 2C	120	white vinyl.	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60	te	3/1
Living 2D	L2D	white vinyl	single-hung	28 x 60			1/1	dark bronze fiberglass	single-hung	28 x 60		3/1
Dining 2A	DZA	wood, with aluminum storms	double-hung	30 x 61	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 61	floo	1/1
Dining 2B	D2B	wood, with aluminum storms	double-hung	36 x 61	35 x 30	31 x 27	1/1	dark bronze fiberglass	single-hung	36 x 61	o d	1/1
4 Dining 2C	D2C	wood, with aluminum storms	double-hung	30 x 61	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 61	ridth ( floor	1/1
5 Kitchen 2A	K2A	wood, with aluminum storms	double-hung	28 x 52	27 x 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52	m of	1/1
Kitchen 2B	К2В	wood, with aluminum storms	double-hung	28 x 52	27 x 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52	o s	1/1
7 Bedroom 2A	B2A	wood, with aluminum storms	double-hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60	de	1/1
Bedroom 2B	B2B	wood, with aluminum storms	in-swing casement	18 x 22	18 x 22	14 x 18	none	dark bronze fiberglass	fixed	18 x 22	<u>w</u> 5	none
9 Bedroom 2C	B2C	wood, with aluminum storms	double-hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60	is	1/1
0 Bedroom 2D	B2D	wood, with aluminum storms	in-swing casement	18 x 22	18 x 22	14 x 18	none	dark bronze fiberglass	fixed	18 x 22	10	none
Bedroom 2E	B2E	wood, with aluminum storms	double-hung	30 x 60	29 x 30	26 x 27	1/1	dark bronze fiberglass	single-hung	30 x 60	5 a	1/1
Bedroom 2F	B2F	wood, with aluminum storms	in-swing casement	18 x 22	18 × 22	14 × 18	none	dark bronze fiberglass	fixed	18 x 22	5 0	none
B Bathroom 2	Ba2	wood, with aluminum storms	double-hung	28 x 52	27 × 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 x 52		1/1
4 Stairwell 1 (front)	51	wood, with aluminum storms	double-hung	30 x 52	27 x 29	23.5 x 25.5	1/1	dark bronze fiberglass	single-hung	30 x 52	on	1/1
5 Stainwell 2 (back)	52	wood, with aluminum storms	double-hung	28 x 52	27 x 25	24 x 23	1/1	dark bronze fiberglass	single-hung	28 × 52	c o	1/1

existing wood windows - 1681/1683 Attension



novizontal section

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Artisan Renovations LLC 5923 Lake George Road Dryden, MI 48428 US 248-794-5095 tc.artisanrenovations@gmail.com



ADDRESS

1681 Atkinson Detroit, MI



ASSESSMENT # 1161 DATE 03/29/2020

#### DESCRIPTION

ASSESSMENT OF DOUBLE-HUNG ALL WOOD WINDOWS (QTY.28 total units)

On each of two floors: Living Room (qty. 4) Dining Room (qty. 3) Bedroom (qty. 3) Kitchen (qty. 2) Bathroom (qty. 1) Also, Stair Landings (qty. 2)

- several pieces of "inner stop' is missing and/or damaged and needs to have new fabricated

-all glass that is not broken needs to be removed from sash and re-glazed (broken glass needs to be replaced) -all sash need extensive repairs to meeting rails and bottom rails. (2) sash are completely missing and opening is filled poorly with plastic (plexi-glass).

-sash cord/rope is severely painted, some are cut and some are missing.

-press-in pulleys are painted and caulked thus rendering them non operational and need new replica version.

-some window weights exist, others do not and replica need to be purchased.

-"parting-stop" is damaged and/or missing and needs to be replaced.

-exterior sills have extensive water damage and will need to be replaced.

-sash lifts are severely painted, damaged (bent) and some are missing.

-sash locks are severely painted, damaged (wont secure sash) and some are missing.

-no weatherstripping at meeting rails or side-jambs. New needs to be purchased.

-existing aluminum storm windows do not operate, are missing majority of the glass inserts and screens and some frames are damaged beyond repair.

-all windows frames and sash need to be stripped to bare wood, primed and finish painted.

#### ASSESSMENT OF IN-SWING CASEMENT WINDOWS (QTY. 6 total units)

-broken glass needs to be replaced.

-casement "latches" need restoration to operate properly.

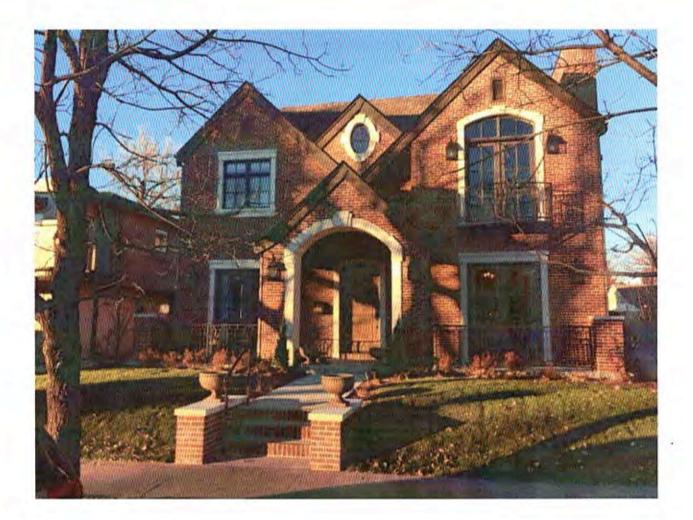
-"spring bronze" weatherstripping is damaged and needs to be replaced with new.

-exterior sills have extensive water damage and need to be replaced.

-storm windows are missing.

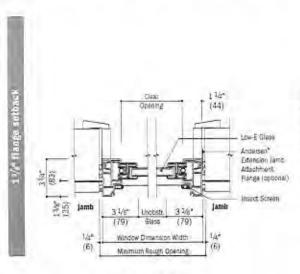
-all units need to be stripped to bare wood, primed and finish painted.

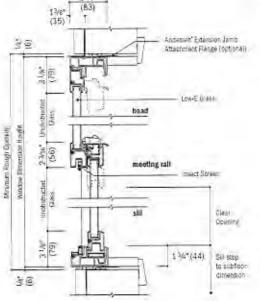
Historical Home with 100 series windows





### Single-Hung Window Details – New Construction Scale 1 $^{1/2^{\prime\prime\prime}}(38)$ = 1 $^{1}$ -0 $^{\circ}$ (305) – 1:8





**Hotizontal Section** 

Vertical Section

140 (83)

18 (25)

38

31/8-

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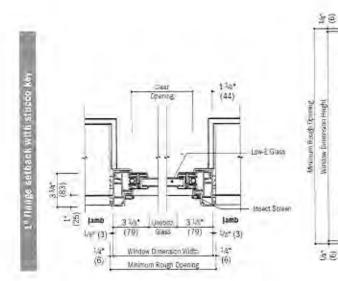
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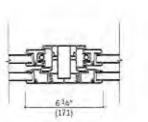
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Window Emersion Hughl

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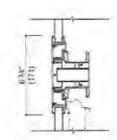
Horizontal Section stucco exterior



Horizontal Section Twin of Trola Single-Hung

(171) **Horizontal Section** Picture with Flanking Single Hung

63.4



head

sIII

Vertical Section

studes exterior

meeting rall

Low-E Glass

Insect Scheen

13/4\*(44)

Citial Opaning

Sill stop

tà subfloor

diminsion

Vartical Section Transom over Single Flutter  Onp cap is required to complete window installation as shown, but may not be included with the window. Use of drip cet-is recommended for proper installation. · Light-colored areas are parts included with window, Dark-colored areas are additional Ancersen\* parts recurred to complete window assembly as shown. Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets.

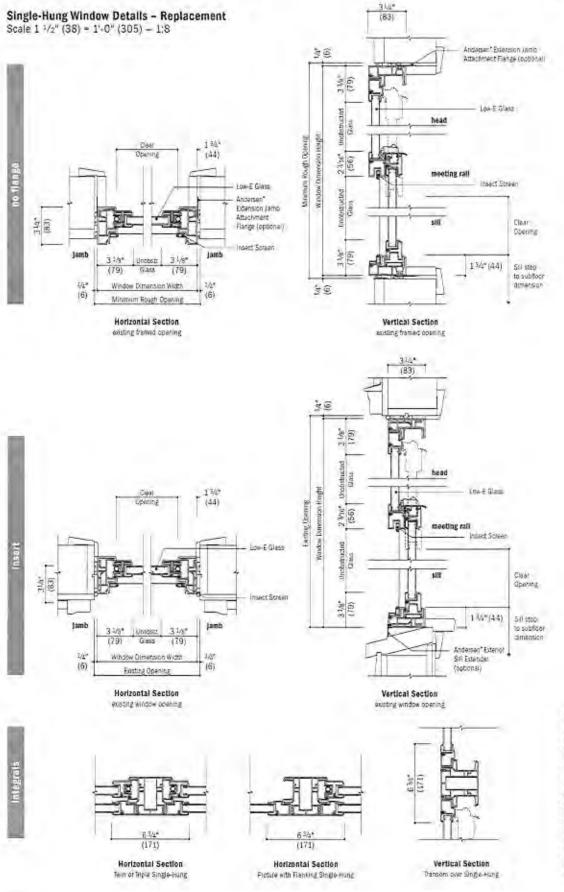
fasteners or other items. • Details are for illustration only and are not intended to represent product installation methods or mittenels. Refer to product installation guides at andersenwindows.com. Dimensions in palentheses are in milimeters.

Integrals

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2019-20 100 Series Product Guide

## Andersen.



 Drb cab is recritied to complete window installation as shown, but may not be included with the window. Use of drp cap, is recommended for proper isstallation.
 Upth-colored areas we parts included with window, bark-colored areas are auditional Andersen's parts required to complete window assembly as shown.

complete window assembly as shown. - Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.

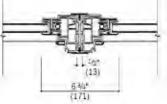
 Details are for illustration only and are not intensed to represent product installation methods or materials. Reflet to product installation guides at andersemendows.com. Oimensions in parentheses are in millimeters.

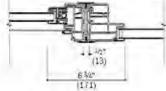
## Andersen.

Vertical (ribbon) Fiberglass Joining Details - Non-Reinforced Scale 1<sup>1</sup>/2" (38) - 1'-0" (305) - 1:8

Overall Window Dimension Width Sum of Individual window widths plus 1/2" (13) per join... Overall Minimum Rough Opening Width Overall Window dimension Width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.





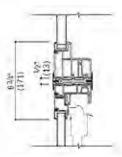
Single-Hung to Single-Hung

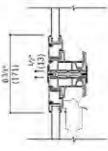
Single-Hung to Picture/Single Transom

Horizontal (stack) Fiberglass Joining Details - Non-Reinforced Scale 14/2\* (38) = 140\* (305) - 18

Overall Window Dimension Width Sum of individual window widths plus ½2" (13) per join. Overall Minimum Rough Opening Width Overall window dimension width plus ¾4" (19).

The addition of joining materials will affect the overall rough opening dimension.





Picture/Single Transom/Specialty over Single-Hung Twin Transom over Twin Single-Hung

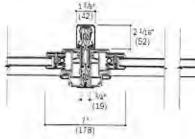
- Rough openings may need to be increased to allow for use of building wraps, flashing, slill panning, brackets, fasteners or other items.
- Ocasis are for insufation only and allow for instanced to receiven product installation methods or meterials. Refer to product installation guidae at endestemendows.com.
- Structural performance of any compilation is only as high as the lowest attructural performance of any individual window or join is the combination.
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## Andersen

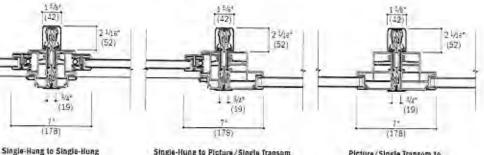
#### Vertical (ribbon) Fiberglass Joining Details - Reinforced

Scale 11/2" (38) = 1'-0" (305) - 1:8

Overall Window Olmension Width Sum of Individual window widths plus 3/4\* (19) per join. Overall Minimum Rough Opening Width Overall window dimension width plus 3/2" (19).







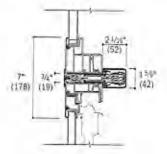
Single-Hung to Picture/Single Transom

Picture/Single Transom to Picture/Single Transom

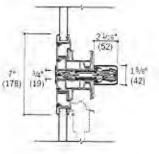
Horizontal (stack) Fiberglass Joining Details - Reinforced Scale 11/2" (38) = 1'-0" (305) - 1:8

Overall Window Dimension Width Sum of individual window widths plus 3/4" (19) per join. Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



Picture/Single Transom/Specialty over Single-Hung



Twin Transom over Twin Single-Hung

· Rough openings may need to be increased to allow for use of building wraps, Sashing, sill panning, brackets, fasteners or other items.

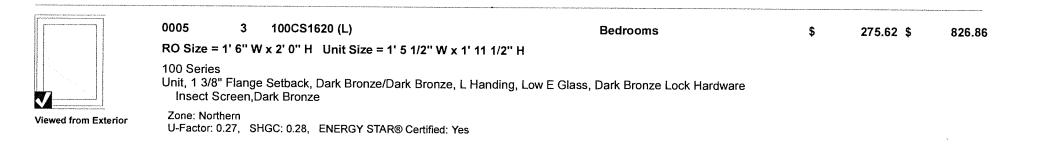
- Details are for illustration only and are not intended to represent product installation methods or markets. Refer to product installation guides et externamendows.com.
- Structural performance of any combination is only as the lowest structural performance of any individual window or join in the combination.
- Structural performance of any combination is only as the lowest structural performance of any individual window or join in the combination.
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- Structural pe · Dimensions in papertheses are in millimeters.

Andersen.				Proje		Windows - Abbrev eron Builders - Atk	•	t			Andersen.
WINDOWS . 30583	Quote #:	13	Ρ	rint Date: 0	3/03/2020	Quote Date:	02/29/2020	iQ Version:	20.	0	WINDOWS+000R3
Dealer:						Customer: Billing Address:	00 cash sales				
Calas Dani				· · · · · · · · · · · · · · · · · · ·	* · · · · · · · · · · · · · · · · · · ·	Phone:	* *** effet a conside concernant of a second second second sec	* F	ax:		* *1* 4** 1 and at
Sales Rep: Created By:	Paul Ward	d	11-124/10-1-1-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			Contact: Trade ID:	092809	Promotion Code:			
	lt	em	Qty	Iten	n Size (Operation)		Location		Uni	t Price	Ext. Price
	٥	001	4	100SHS2650	(F/A)		Living Room		\$	372.02 \$	1488.08
	F	RO Size = 2	2' 6'' W	′x 5' 0" H Unit	Size = 2' 5 1/2'' W x	: 4' 11 1/2" H					
		00 Series Jnit, 1 3/8" Half Inse	Flange ct Scre	e Setback, Dark l en, Dark Bronze	Bronze/Dark Bronze,	Low E Glass (Each Sa	sh), Andersen 100 Se	ries Hardware, Dark	Bronz	e	
Viewed from Ext	erior	Zone: North U-Factor: 0.		IGC: 0.32, ENER	RGY STAR® Certified: N	lo					

	0002	2	100SHS2	650 (F/A)	1	Dining Room	\$	372.02 \$	744.04
	RO Size =	: 2' 6'' \	W x 5' 0" H	Unit Size = 2' 5 1/2" W x	к 4' 11 1/2'' Н				
	100 Serie: Unit, 1 3/8 Half Ins	" Flang	ge Setback, D reen, Dark Br	ork Bronze/Dark Bronze, onze	, Low E Glass (Each Sash), /	Andersen 100 Seri	es Hardware, Dark Bronze		
Viewed from Exterior	Zone: Nor U-Factor:		SHGC: 0.32, E	ENERGY STAR® Certified: N	No				

	ltem	Qty	Item Size (Operation)	Location	Unit	Price	Ext. Price
	0003	1	100SHS3050 (F/A)	Dining Room	\$	391.32 \$	391.32
	RO Size =	= 3' 0'' W	/ x 5' 0" H Unit Size = 2' 11 1/2" W x 4' 11 1/	2" H			
	100 Serie Unit, 1 3/8 Half Ins	- 8" Flange	e Setback, Dark Bronze/Dark Bronze, Low E G en, Dark Bronze	lass (Each Sash), Andersen 100 Series Hardware,			
Viewed from Exterior	Zone: Nor U-Factor:		HGC: 0.32, ENERGY STAR® Certified: No		1 1 1	n - Change a	

	0004	3	100SHS2650 (F/A)	Bedrooms	\$	372.02 \$	1116.06
	RO Size = 2	' 6" W	x 5' 0" H Unit Size = 2' 5 1/2" W x 4' 11 1/2" H				
	100 Series Unit, 1 3/8" F Half Insec	lange t Scree	Setback, Dark Bronze/Dark Bronze, Low E Glass (Each Sasl en, Dark Bronze	ı), Andersen 100 Series Hardware, Dar	k Bronze		
Viewed from Exterior	Zone: Northe U-Factor: 0.3		GC: 0.32, ENERGY STAR® Certified: No				



	ltem	Qty	Item Size (Operation)	Location	Ur	nit Price	Ext. Price
	0006	2	100SHS2' 3 1/2" x 4' 5 1/2" (F/A)	Kitchen	\$	355.90 \$	711.80
	100 Serie Unit, 1 3/8	s 3" Flange	V x 4' 6" H Unit Size = 2' 3 1/2" W x 4' 5 1/2" H e Setback, Dark Bronze/Dark Bronze, Low E Gla een, Dark Bronze		dware, Dark Bron	ze	
Viewed from Exterior	Zone: Nor U-Factor:		HGC: 0.32, ENERGY STAR® Certified: No				

	0007 RO Size = 2	1 '' 4'' W	100SHS2' 3 1/2" x 4' 5 1/2" (F/A) / x 4' 6" H Unit Size = 2' 3 1/2" W x 4' 5 1/	Bathroom 2" H	\$	355.90 \$	355.90
	100 Series Unit, 1 3/8" I Half Insec	Flange ct Scree	e Setback, Dark Bronze/Dark Bronze, Low E een, Dark Bronze	Glass (Each Sash), Andersen 100 Series Hardw	vare, Dark Bronz <b>e</b>		
Viewed from Exterior	Zone: Northe U-Factor: 0.3		HGC: 0.32, ENERGY STAR® Certified: No				

		Subtotal	\$ 5,634.06
Customer Signature	Total Load Factor 2.105	Tax ( 6.000%)	\$ 338.04
		Grand Total	\$ 5,972.10

Dealer Signature

\*\* All graphics viewed from the exterior

\*\* Rough opening dimensions are minimums and may need to be increased to allow for use of building wraps or flashings or sill panning or brackets or fasteners or other items.

Quote #: 13	Print Date:	03/03/2020	Page	30f 4	
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	ltem	Qty	Item Size (Operation)	Location	Unit Price	Ext. Price
-energ		f all of the product	s you purchase can be upgraded to be ENERC	GY STAR® certified.		
	This image indicates t	hat the product sei	lected is certified in the-US ENERGY STAR® cl	imate zone that you have selected.	•	
	Data is current as of Noverr	iber 2019. This data ma		pdated test results or requirements. Ratings for all sizes are	specified by NFRC for testing and	d certification. Ratings
Novia	is a registered trademark	of Indorsoll Band Ir				

Nexia is a registered trademark of Ingersoll Rand Inc.

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Andersen Windows - Abbreviated Quote Report

#### Project Name: Blue Heron Builders - Atkinson - Stairwells



WINDOWS-20085	1	20.0	iQ Version:	02/29/2020	Quote Date:	Date: 03/03/2020	P	f: 14	Quote #	
				00 cash sales	Customer:					Dealer:
					Billing					
					Address:		Antonii			· · · · · · · · · · · · · · · · · · ·
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					Contact:					Sales Rep:
			Promotion Code:	092809	Trade ID:			ard	Paul W	Created By:
Ext. Price	Price	Unit F		Location		Item Size (Operation)	Qty	Item		
355.90	355.90 \$	\$	\$	Back Stairwell		0SHS2' 3 1/2" x 4' 5 1/2" (F/A)	1	0001		
					"Н	' 6" H Unit Size = 2' 3 1/2" W x 4' 5	= 2' 4" W	RO Size		
							s	100 Serie		
		ironze	ies Hardware, Dark B	sh), Andersen 100 Se	Blass (Each Sa	tback, Dark Bronze/Dark Bronze, Low Dark Bronze	8" Flange sect Scree	Unit, 1 3/ Half In		
						0.32, ENERGY STAR® Certified: No		Zone: No U-Factor:	erior	lewed from Exte
						0.32, ENERGY STAR® Certified: No			erior	liewed from Exte

	0002	1	100SHS2646 (F/A)	Front Stairwell	\$	352.80 \$	352.80
	RO Size	= 2' 6" W	V x 4' 6" H Unit Size = 2' 4	5 1/2" W x 4' 5 1/2" H			
	100 Serie Unit, 1 3/ Half In	8" Flange	e Setback, Dark Bronze/Da een, Dark Bronze	k Bronze, Low E Glass (Each Sash), Andersen 100 Series Hard	ware, Dark Bronze	•	
Viewed from Exterior	Zone: No U-Factor:		HGC: 0.32, ENERGY STAR®	Certified: No			

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	ltem	Qty	Item Size (Operation)	Location	Unit Price	Ext. Price
Customer Signatu	re			Total Load Factor 0.268	Subtotal Tax ( 6.000%) Grand Total	\$ 708.70 \$ 42.52 \$ 751.22

Dealer Signature

\*\* All graphics viewed from the exterior

\*\* Rough opening dimensions are minimums and may need to be increased to allow for use of building wraps or flashings or sill panning or brackets or fasteners or other items.



Ask to see if all of the products you purchase can be upgraded to be ENERGY STAR® certified.



This image indicates that the product selected is certified in the US ENERGY STAR® climate zone that you have selected.

Data is current as of November 2019. This data may change over time due to ongoing product changes or updated test results or requirements. Ratings for all sizes are specified by NFRC for testing and certification. Ratings may vary depending on the use of tempered glass or different grille options or glass for high altitudes etc.

Nexia is a registered trademark of Ingersoll Rand Inc.

Project Comments:

Andersen.				Pr	Anders oject Name: Blue			ated Quote Reponson - Upper Floo				Andersen.
WIN90W5+000H3	Quote #:	15	Pi	rint Date:	03/03/2020	(	Quote Date:	02/29/2020	iQ Version:	20.0		WINDOWS + DOORS
Dealer:							Customer: Billing Address:	00 cash sales				
	нт <b>48</b> ны	6/12/1/22/06/22/2000-1			·		Phone:		F	ax:		
Sales Rep:	<i>.</i>						Contact:					
Created By:	Paul War	d					Trade ID:	092809	Promotion Code:			
	lt	em	Qty		Item Size (Operatio	n)		Location		Unit Price		Ext. Price
	C	0001	4	100SHS2	650 (F/A)			Living Room	-	\$ 372	2.02 \$	1488.08
	F	RO Size =	2' 6'' W	x 5' 0" H	Unit Size = 2' 5 1/2"	W x 4' 11 1/2"	н					
			' Flange	Setback, D en, Dark Br		nze, Low E Gla	iss (Each Sa	sh), Andersen 100 S	eries Hardware, Dark I	Bronze		
Viewed from Exte	erior	Zone: Nort U-Factor: 0		IGC: 0.32, E	NERGY STAR® Certific	ed: No						
						a () - 4 ()						

	0002	2	100SHS2650 (F/A)	Dining Room	\$	372.02 \$	744.04
	RO Size = 2	2' 6" W	x 5' 0" H Unit Size = 2' 5 1/2" W x 4' 1	1 1/2" H			
		Flange	Setback, Dark Bronze/Dark Bronze, Low en, Dark Bronze	E Glass (Each Sash), Andersen 100 Series Hardwa	are, Dark Bronze		
Viewed from Exterior	Zone: North U-Factor: 0		GC: 0.32, ENERGY STAR® Certified: No				

03/03/2020

	ltem	Qty	Item Size (Operation)	Location	Unit	Price	Ext. Price
	0003	1	100SHS3050 (F/A)	Dining Room	\$	391.32 \$	391.32
	RO Size =	= 3' 0'' W	x 5' 0" H Unit Size = 2' 11 1/2" W x 4' 11 1/2'	'н			
		B" Flange	e Setback, Dark Bronze/Dark Bronze, Low E Gla en, Dark Bronze	ss (Each Sash), Andersen 100 Series Hardware, I	Dark Bronze	e	
Viewed from Exterior	Zone: Nor U-Factor:		IGC: 0.32, ENERGY STAR® Certified: No				

	0004	3	100SHS2650 (F/A)	Bedrooms	\$	372.02 \$	1116.06
	RO Size = 2	2' 6" W	x 5' 0" H Unit Size = 2' 5 1/2" W x 4'	11 1/2" H			
		-	e Setback, Dark Bronze/Dark Bronze, Lo en, Dark Bronze	w E Glass (Each Sash), Andersen 100 Series Hardwa	re, Dark Bronze		
Viewed from Exterior	Zone: North U-Factor: 0.		IGC: 0.32, ENERGY STAR® Certified: No				

	0005	3	100CS1620 (L)	Bedrooms	\$ 275.62 \$	826.86
	RO Size =	1' 6'' V	V x 2' 0" H Unit Size = 1' 5 1/2" W	x 1' 11 1/2" H		
		' Flange	e Setback, Dark Bronze/Dark Bronze Dark Bronze	, L Handing, Low E Glass, Dark Bronze Lock Hardware		
iewed from Exterior	Zone: Nortl U-Factor: 0		HGC: 0.28, ENERGY STAR® Certified:	Yes		

 Quote #:
 15
 Print Date:
 03/03/2020
 Page
 2 Of
 4
 iQ Version:
 20.0

	Item	Qty	Item Size (Operation)	Location	Unit	Price	Ext. Price
	0006	2	100SHS2' 3 1/2" x 4' 5 1/2" (F/A)	Kitchen	\$	355.90 \$	711.80
	RO Size	= 2' 4'' W	/ x 4' 6" H Unit Size = 2' 3 1/2" W x 4' 5 1/2" H	1			
		/8" Flange	e Setback, Dark Bronze/Dark Bronze, Low E Gla een, Dark Bronze	ss (Each Sash), Andersen 100 Series Hard	dware, Dark Bronze		
Viewed from Exterior	Zone: No U-Factor		HGC: 0.32, ENERGY STAR® Certified: No				

	0007	1	100SHS2' 3 1/2" x 4' 5 1/2" (F/A)	Bathroom	\$	355.90 \$	355.90
	RO Size = 2	2' 4'' W	/ x 4' 6" H Unit Size = 2' 3 1/2" W x 4' 5 1/2"	Η			
			e Setback, Dark Bronze/Dark Bronze, Low E G een, Dark Bronze	lass (Each Sash), Andersen 100 Series Hard	iware, Dark Bronze		
Viewed from Exterior	Zone: North U-Factor: 0		IGC: 0.32, ENERGY STAR® Certified: No				

		Subtotal	\$ 5,634.06
Customer Signature	Total Load Factor 2.105	Tax ( 6.000%)	\$ 338.04
		Grand Total	\$ 5,972.10

Dealer Signature

\*\* All graphics viewed from the exterior

\*\* Rough opening dimensions are minimums and may need to be increased to allow for use of building wraps or flashings or sill panning or brackets or fasteners or other items.

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Quote #: 15 Print Date: 03/03/2020 Pa	Quote #:	15	Print Date:	03/03/2020	Page
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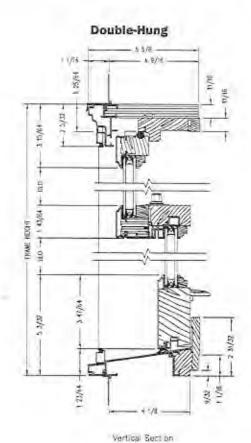
		ltem	Qty	Item Size (Operation)	Location	Unit Price	Ext. Price
Ask to see if all of the products you purchase can be upgraded to be ENERGY STAR® certified.							
	This image indicates that the product selected is certified in the US ENERGY STAR® climate zone that you have selected.						
M	Data is current as of November 2019. This data may change over time due to ongoing product changes or updated test results or requirements. Ratings for all sizes are specified by NFRC for testing and certification. Ratings may vary depending on the use of tempered glass or different grille options or glass for high altitudes etc.						
Nexia	a is a registe	red trademark of	Ingersoll Rand I	nc.			

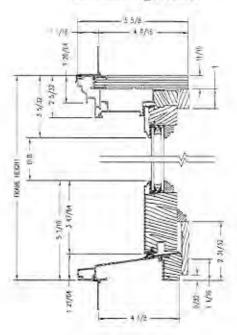
Project Comments:

WINDOWS

E- Series (aluminum-clad wood)

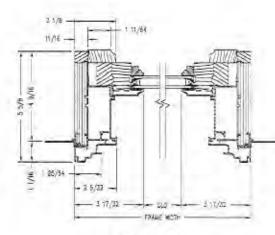
#### **Double-Hung Windows**



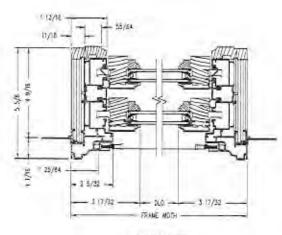


Vertical Section

Double-Hung Picture



Honzonta Section



Horizontal Section

Shown with evels (colonial) glass stops.

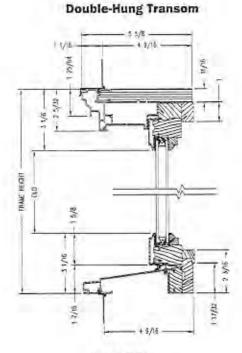
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING AND RESENVINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION, DRAWINGS ARE NOT TO SCALE.

## Andersen

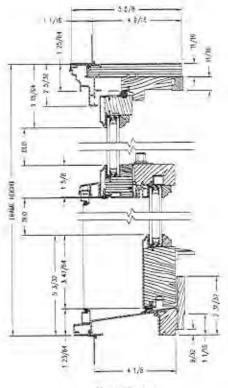
E-SERIES

#### **Double-Hung Windows**

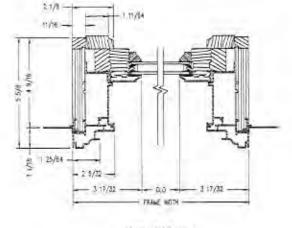


#### Vertical Section

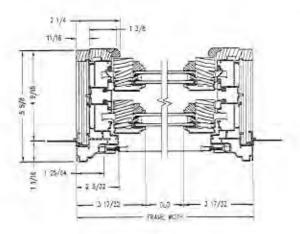








Horizontal Section



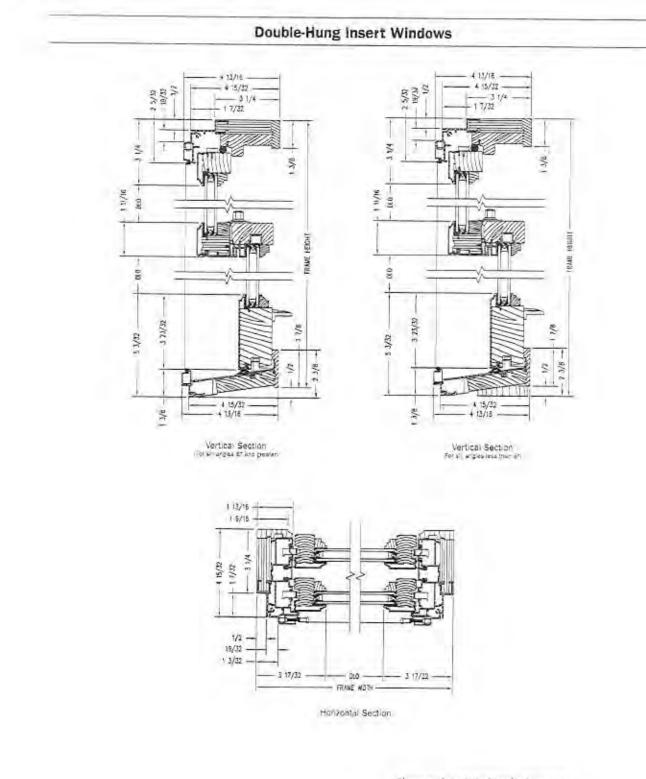
Honzontal Section

Shown with ovalo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING AND RESENVINDOWS, COM

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#### WINDOWS



Shown with ovolo (colonnal) glass stops

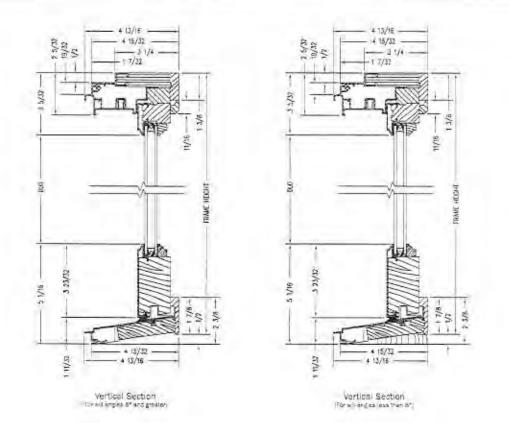
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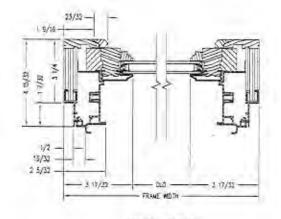
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE,

## Andersen

#### E-SERIES

#### **Double-Hung Picture Insert Windows**





Horizontal Section

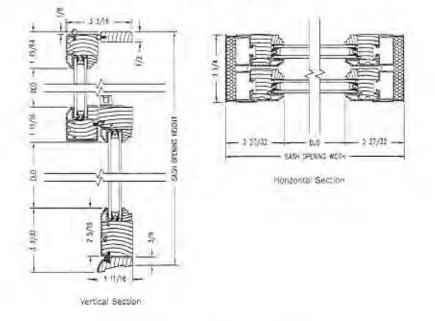
Shown with evolo (colonial) glass stops

PROPER INSTALLATION AND MAINTENANCE OF ESERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION, WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING AND RESENVINDOWS.COM

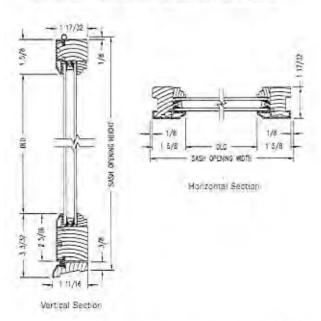
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

# Andersen, windows

#### **Double-Hung Sash Replacement Kits**



#### **Double-Hung Sash Replacement**



#### **Double-Hung Picture Sash Replacement**

Shown with ovelo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING AND RESERVINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE, CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

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				Pro	oject Name: B	lue Heron B	uilders					
Dealer: Sales Rep: Created By:	Quote #: Matt Kinsle Paul Ward	ır	Print Date:	06/27/2020		Quote Date: Customer: Billing Address: Phone: Contact: Trade ID:	06/26/2020 00 cash sales 092809		Version: F	20.0 Fax:		
ordated by	Ite		ty	Item Size (Ope	eration)	Trade in.	Location	( 17/100C		Unit P	rice	Ext. Price
J. Ť	R E U C	Series nit, Double- volo (Coloni	6 1/2" W x 5' 0 lung, Equal Sa al) Glass Stop, ic Inserts, Dark	Stainless Glass /	e = 2' 6" W x 5' 0 2604, Pine w/Un / Grille Spacer, N	finished Interior lo Hardware, 2	Main Floor - I , Active/Active, Du Sash Lock(s) Bron esh, 5 1/4" Interior	al Pane Low-E-	4 Standard w/Integral	Vinyl Drip	p Cap, Bei	Argon Fill, ge Jamb
		Cone: Norther J-Factor: 0.31		ENERGY STAR®	Certified: No							
		J-Factor: 0.31	, SHGC: 0.30,				Main Floor - I	Dining Boom		¢	588 18 9	1176
+	0 R E U C L U	J-Factor: 0.31 002 O Size = 2' -Series nit, Double- volo (Coloni ners w/Plas nit Extensio Zone: Norther	, SHGC: 0.30. 2 TCLDH2 5 1/2" W x 5' 0 lung, Equal Sa al) Glass Stop, ic Inserts, Dark n Jambs	650 (Active/Acti 1/2" H Unit Siz sh, Dark Bronze Stainless Glass /	ive) æ ≈ 2' 6" W x 5' ( 2604, Pine w/Un / Grille Spacer, N ill Insect Screen v	finished Interior Io Hardware, 2	Main Floor - I , Active/Active, Du Sash Lock(s) Bron esh, 5 1/4" Interior	al Pane Low-E	4 Standard w/Integral	Vinyl Drig	p Cap, Bei	Argon Fill, ge Jamb

Item	Qty	Item Size (Operation)	Location	Un	it Price	Ext. Price
0003 RO Size		CLDH3050 (Active/Active) / x 5' 0 1/2" H Unit Size = 3' 0" W x 5' 0" H	Main Floor - Dining Room	\$	627.17 \$	627.1
E-Series Unit, Do Ovolo (C Liners w	s uble-Hung, Ec Colonial) Glass	qual Sash, Dark Bronze 2604, Pine w/Unfinishe s Stop, Stainless Glass / Grille Spacer, No Hard is, Dark Bronze 2604 Full Insect Screen w/Fibe	dware, 2 Sash Lock(s) Bronze, Rigid View w/o	Inned Mand	Orin Con Daia	in Incode
Zone: N U-Facto		0.30, ENERGY STAR® Certified: No				
0004		CLDH2650 (Active/Active)	Main Floor - Bedrooms	\$	588.18 \$	1764.5
RO Size E-Series		' x 5' 0 1/2" H Unit Size = 2' 6" W x 5' 0" H				
Unit, Do Ovolo (C Liners w	uble-Hung, Ed olonial) Glass	ual Sash, Dark Bronze 2604, Pine w/Unfinishe s Stop, Stainless Glass / Grille Spacer, No Hard s, Dark Bronze 2604 Full Insect Screen w/Fiber	d Interior, Active/Active, Dual Pane Low-E4 Sta Iware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/Int rglass Mesh, 5 1/4" Interior Extension Jamb Pir	Jonral Vinul	Drin Con Baia	lamb

### Zone: Northern

U-Factor: 0.31. SHGC: 0.30. ENERGY STAR® Certified: No.

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			2 A A A A A A A A A A A A A A A A A A A		× .	
Item	Oty	Item Size (Operation)	Location	Un	it Price	Ext. Price
0005	1. S	X 1' 6" x 2' 0" (Left) x 2' 0 1/2" H Unit Size = 1' 6" W x 2' 0" H	Main Floor - Bedrooms	\$	320.35 \$	961.0
Stop, Sta Weathers BRZ L Zone: No	inless Glass / strip, Bronze F H HARDWAR rthern	Grille Spacer, Standard Hinge, Handle w/Co	, Dual Pane Low-E4 Standard (Annealed) Cle wer Hardware, Bronze, Standard Lock, Rigid Interior Extension Jamb Pine w/Unfinished St	Vinyl w/Integra	al Vinyl Drip Cap	Black
0006		LDH2446 (Active/Active)	Main Floor - Kitchen	\$	536.15 \$	1072.30
RO Size	= 2' 4 1/2" W	x 4' 6 1/2" H Unit Size = 2' 4" W x 4' 6" H				

Unit, Double-Hung, Equal Sash, Dark Bronze 2604, Pine w/Unfinished Interior, Active/Active, Dual Pane Low-E4 Standard (Annealed) Clear, Argon Fill, Ovolo (Colonial) Glass Stop, Stainless Glass / Grille Spacer, No Hardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/Integral Vinyl Drip Cap, Beige Jamb Liners w/Plastic Inserts, Dark Bronze 2604 Full Insect Screen w/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pine w/Unfinished Standard Complete Unit Extension Jambs

#### Zone: Northern U-Factor: 0.31, SHGC: 0.30, ENERGY STAR® Certified: No

Item	Qty	Item Size (Operation)	Location	Un	it Price	Ext. Price
0007	î	TCLDH2446 (Active/Active)	Main Floor - Bathroom	\$	536.15 \$	536.1
		"W x 4' 6 1/2" H Unit Size = 2' 4" W x 4' 6" 1				
Ovolo (C Liners w	uble-Hung olonial) G	lass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F	shed Interior, Active/Active, Dual Pane Low E4 S ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/ berglass Mesh, 5 1/4" Interior Extension Jamb I	Integral Vinyl	Drip Cap, Beige	Jamb
Zone: No U-Factor		IGC: 0.30, ENERGY STAR® Certilied: No				
 0008	4	TCLDH2650 (Active/Active)	Upper Floor - Living Room	s	588.18 \$	2352.7
RO Size	= 2' 6 1/2	"W x 5' 0 1/2" H Unit Size = 2' 6" W x 5' 0" I	(			
Ovolo (C Liners w Unit Exte Zone: N	uble-Hung colonial) G /Plastic In ension Jar orthern	lass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F	shed Interior, Active/Active, Dual Pane Low-E4 S ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/ iberglass Mesh, 5 1/4" Interior Extension Jamb I	Integral Vinyl	Drip Cap, Beige	Jamb
Unit, Dou Ovolo (C Liners w Unit Exte Zone: N	uble-Hung colonial) G /Plastic In ension Jar orthern	tass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F nbs	ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/	Integral Vinyl	Drip Cap, Beige	Jamb
Unit, Dot Ovolo (C Liners w Unit Exte Zone: N U-Factor 0009	uble-Hung colonial) G /Plastic In ension Jar orthern r: 0.31, SH	tass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F nbs IGC: 0.30. ENERGY STAR® Certified: No	ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/ iberglass Mesh, 5 1/4" Interior Extension Jamb I Upper Floor - Dining Room	Integral Vinyl Pine w/Unfini	Drip Cap, Beige shed Standard C	Jamb omplete
Unit, Dot Ovolo (C Liners w Unit Exter Zone: N U-Factor <b>0009</b> <b>RO Size</b> E-Series Unit, Dot Ovolo (C Liners w	uble-Hung colonial) G (Plastic In ension Jar orthern ( 0.31, SI 2 = 2' 6 1/2 uble-Hung colonial) G	tass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F nbs HGC: 0.30. ENERGY STAR® Certified: No <b>TCLDH2650 (Active/Active)</b> "W x 5' 0 1/2" H Unit Size = 2' 6" W x 5' 0" f J. Equal Sash, Dark Bronze 2604, Pine w/Unfini lass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F	ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/ iberglass Mesh, 5 1/4" Interior Extension Jamb I Upper Floor - Dining Room	Integral Vinyl Pine w/Unfini \$ Standard (An Integral Vinyl	588.18 \$ nealed) Clear, Au	Jamb omplete 1176.: Jamb
Unit, Dou Ovolo (C Liners w. Unit Exte Zone: N U-Factor <b>0009</b> <b>RO Size</b> E-Series Unit, Dou Ovolo (C Liners w. Unit Exte Zone: N	uble-Hung olonial) G (Plastic In ension Jar orthern (0.31, SH (0.31, SH 2 = 2' 6 1/2 uble-Hung olonial) G (Plastic In ension Jar orthern	tass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F nbs HGC: 0.30. ENERGY STAR® Certified: No <b>TCLDH2650 (Active/Active)</b> "W x 5' 0 1/2" H Unit Size = 2' 6" W x 5' 0" f J. Equal Sash, Dark Bronze 2604, Pine w/Unfini lass Stop, Stainless Glass / Grille Spacer, No H serts, Dark Bronze 2604 Full Insect Screen w/F	ardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/ iberglass Mesh, 5 1/4" Interior Extension Jamb   Upper Floor - Dining Room I shed Interior, Active/Active, Dual Pane Low-E4 Stardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/	Integral Vinyl Pine w/Unfini \$ Standard (An Integral Vinyl	588.18 \$ nealed) Clear, Au	Jamb omplete 1176.: Jamb

-	Item Qty Item Size (Operation)	Location	Un	I Price	Ext. Price
	0010 1 TCLDH3050 (Active/Active)	Upper Floor - Dining Room	s	627.17 \$	627.1
Ļ	RO Size = 3' 0 1/2" W x 5' 0 1/2" H Unit Size = 3' 0" W x 5' 0 E-Series	"H			
t.	Unit, Double-Hung, Equal Sash, Dark Bronze 2604, Pine w/Unli Ovolo (Colonial) Glass Stop, Stainless Glass / Grille Spacer, No	Hardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/In	tegral Vinyl	Drip Cap, Beig	Argon Fill, e Jamb
	Liners w/Plastic Inserts, Dark Bronze 2604 Full Insect Screen w Unit Extension Jambs	/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pi	ne w/Unfinis	shed Standard	Complete
		/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pi	ne w/Unfini:	shed Standard	Complete
	Unit Extension Jambs Zone: Northern U-Factor: 0.31, SHGC: 0.30, ENERGY STAR® Certified: No	/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pi	ne w/Unlini:	shed Standard	Complete
	Unit Extension Jambs Zone: Northern	/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pi Upper Floor - Bedrooms	ne w/Unfini: \$	shed Standard 588.18 \$	Complete 1764.5

Unit, Double-Hung, Equal Sash, Dark Bronze 2604, Pine w/Unlinished Interior, Active/Active, Dual Pane Low-E4 Standard (Annealed) Clear, Argon Fill, Ovolo (Colonial) Glass Stop, Stainless Glass / Grille Spacer, No Hardware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/Integral Vinyl Drip Cap, Beige Jamb Liners w/Plastic Inserts, Dark Bronze 2604 Full Insect Screen w/Fiberglass Mesh, 5 1/4" Interior Extension Jamb Pine w/Unfinished Standard Complete Unit Extension Jambs

Zone: Northern U-Factor: 0.31, SHGC; 0.30, ENERGY STAR® Certified: No

Quote #: 714

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Print Date:

	item	Qty	Item Size (Operation)	Location	Uni	it Price	Ext. Price
	0012	з	CAX 1' 6" x 2' 0" (Left)	Upper Floor - Bedrooms	\$	320.35 \$	961.05
	RO Size	= 1' 6 1/2'	'W x 2' 0 1/2" H Unit Size = 1' 6" W x 2' 0" H				
	Stop, St Weather BRZ I Zone: N	ainless Gla rstrip, Bron LH HARDW	ark Bronze 2604, Pine w/Unfinished Interior, Left, ss / Grille Spacer, Standard Hinge, Handle w/Cov ze Full Insect Screen w/Fiberglass Mesh, 5 1/4" In /ARE KIT CSMT BAG W6204PKLKN2 GC: 0.29, ENERGY STAR® Certified: No	ver Hardware, Bronze, Standard Lock, Rigid V	inyl w/Integra	al Vinyl Drip Ca	o, Black
1.1	0013 RO Size	2 = 2' 4 1/2'	TCLDH2446 (Active/Active) 'W x 4' 6 1/2'' H Unit Size = 2' 4'' W x 4' 6'' H	Upper Floor - Kitchen	\$	536,15 \$	1072.30
	E-Series Unit, Do Ovolo (C	; uble-Hung, Colonial) Gl	Equal Sash, Dark Bronze 2604, Pine w/Unfinishe ass Stop, Stainless Glass / Grille Spacer, No Han erts, Dark Bronze 2604 Full Insect Screen w/Fibe	dware, 2 Sash Lock(s) Bronze, Rigid Vinyl w/h	ntegral Vinyl	Drip Cap, Beig	e Jamb

# Unit Extension Jambs

Zone: Northern U-Factor: 0.31, SHGC: 0.30, ENERGY STAR® Certified: No

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06/27/2020

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-	Item	Qty	Item Size (Operation)	Location	Uni	t Price	Ext. Price
	0014	1	TCLDH2446 (Active/Active)	Upper Floor - Bathroom	s	536.15 \$	536.1
	RO Size	= 2' 4 1/2"	W x 4' 6 1/2" H Unit Size = 2' 4" W x 4'	6" H			
	Ovolo (C Liners w	uble-Hung, clonial) Gla	ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen v	linished Interior, Active/Active, Dual Pane Low- lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny w/Fiberglass Mesh, 5 1/4" Interior Extension Jar	/ w/Integral Vinyl	Drip Cap, Beige	Jamb
	Zone: N U-Factor	orthern 1:0.31, SHI	GC: 0.30. ENERGY STAR® Certified; No.				
-	0015	1	TCLDH2446 (Active/Active)	Back Stairwell	\$	536.15 \$	536.1
	RO Size	= 2' 4 1/2"	W x 4' 6 1/2" H Unit Size = 2' 4" W x 4'	6" H			
	E-Series Unit, Do	uble-Hung	Equal Sash, Dark Bronze 2604, Pine w/Un	finished Interior, Active/Active, Dual Pane Low-	E4 Standard (Ann	nealed) Clear, Arg	jon Fill, Jamb
	Unit, Do Ovolo (C Liners w Unit Exte Zone: N	uble-Hung, Colonial) Gla /Plastic Ins ension Jam orthern	ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen	finished Interior, Active/Active, Dual Pane Low- lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny w/Fiberglass Mesh, 5 1/4" Interior Extension Jar	/I w/Integral Vinyl	Drip Cap, Beige	Jamb
	Unit, Do Ovolo (C Liners w Unit Exte Zone: N	uble-Hung, Colonial) Gla /Plastic Ins ension Jam orthern	ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen bs	lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny	/I w/Integral Vinyl	Drip Cap, Beige	Jamb omplete
	Unit, Do Ovolo (C Liners w Unit Exte Zone: N U-Facto	uble-Hung, Colonial) Gla /Plastic Ins ension Jam orthern r: 0.31, SH 1	ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen 1 bs GC: 0.30. ENERGY STAR® Certified: No	lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny w/Fiberglass Mesh, 5 1/4" Interior Extension Jar Front Stairwell	/I w/Integral Vinyl mb Pine w/Unlinis	Drip Cap, Beige shed Standard Co	Jamb omplete
	Unit, Do Ovolo (C Liners w Unit Exte Zone: N U-Facto 0016 RO Size E-Series Unit, Do Ovolo (C Liners w	uble-Hung, Colonial) Gla /Plastic Ins ension Jam orthern r: 0.31, SH r: 0.31,	ass Stop, Stainless Glass / Grille Spacer, N ents, Dark Bronze 2604 Full Insect Screen 1 bs GC: 0.30. ENERGY STAR® Certified: No TCLDH2646 (Active/Active) 'W x 4' 6 1/2'' H Unit Size = 2' 6'' W x 4' Equal Sash, Dark Bronze 2604, Pine w/Un ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen	lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny w/Fiberglass Mesh, 5 1/4" Interior Extension Jar Front Stairwell	/I w/Integral Vinyl mb Pine w/Unfinis \$ -E4 Standard (Ani yl w/Integral Vinyl	Drip Cap, Beige shed Standard Co 549.12 \$ nealed) Clear, An Drip Cap, Beige	Jamb omplete 549.1 gon Fill, Jamb
	Unit, Do Ovolo (C Liners w Unit External Zone: N U-Facto 0016 RO Size E-Series Unit, Do Ovolo (C Liners w Unit External Zone: N	uble-Hung, Colonial) Gla (Plastic Ins ension Jam orthern r: 0.31, SH r: 0.31,	ass Stop, Stainless Glass / Grille Spacer, N ens, Dark Bronze 2604 Full Insect Screen bs GC: 0.30. ENERGY STAR® Certified: No <b>TCLDH2646 (Active/Active)</b> 'W x 4' 6 1/2" H Unit Size = 2' 6" W x 4' Equal Sash, Dark Bronze 2604, Pine w/Un ass Stop, Stainless Glass / Grille Spacer, N erts, Dark Bronze 2604 Full Insect Screen bs	lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny w/Fiberglass Mesh, 5 1/4" Interior Extension Jan <b>Front Stairwell</b> 6" H dinished Interior, Active/Active, Dual Pane Low- lo Hardware, 2 Sash Lock(s) Bronze, Rigid Viny	/I w/Integral Vinyl mb Pine w/Unfinis \$ -E4 Standard (Ani yl w/Integral Vinyl	Drip Cap, Beige shed Standard Co 549.12 \$ nealed) Clear, An Drip Cap, Beige	Jamb omplete 549.1 gon Fill, Jamb

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Quote #:

/	ltem	Qty	Item Size (Operation)	Location	Unit Price	Ext. Price
		-				
					Subtotal	\$ 18,065.85
	-			Total Load Factor 6.566	Tax ( 6.000%)	\$ 1,083.95
Customer Signatu	re			0.000	Grand Total	\$ 19,149.80
Dealer Signature						
** All graphics viewe						
" Rough opening di other items.	mension	s are minimum	is and may need to be increased to allow	w for use of building wraps or flashings (	or sill panning or brackets	or fasteners or

ener	****	Ask to see if all of the products you purchase can be upgraded to be ENERGY STAR® certified.
ASK A	80UT GY STAR	
1	This im	age indicates that the product selected is certified in the US ENERGY STAR® climate zone that you have selected.
V.	Data is ci may vary	surrent as of November 2019. This data may change over time due to ongoing product changes or updated test results or requirements. Ratings for all sizes are specified by NERC for testing and certification. Rating: y depending on the use of tempered glass or different grille options or glass for high allifudes etc.

Nexia is a registered trademark of Ingersoll Rand Inc.

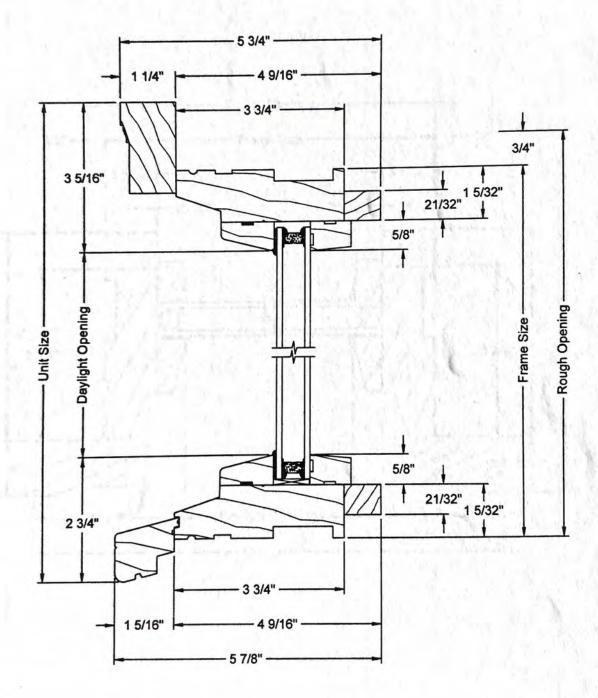
**Project Comments:** 

Quoting material only per sizes and quanties listed, offering Andersen standard product manfactured to its published specifications, excludes installation, misc. trim, fasteners, sealants, flashings, adjustments, distribution, storage & retention.



## SITELINE WOOD WINDOW GEOMETRIC / DIRECT SET

## **STANDARD - VERTICAL SECTION**

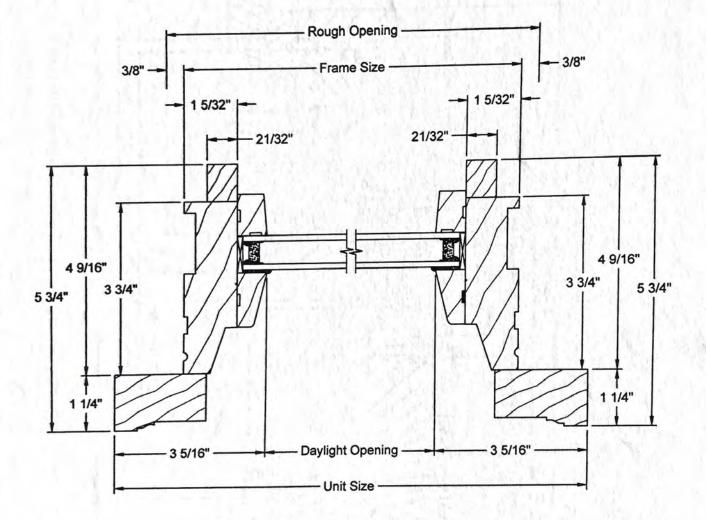


Product specifications may change without notice. Questions? Consult JELD-WEN customer service.



## SITELINE WOOD WINDOW GEOMETRIC / DIRECT SET

# STANDARD - HORIZONTAL SECTION

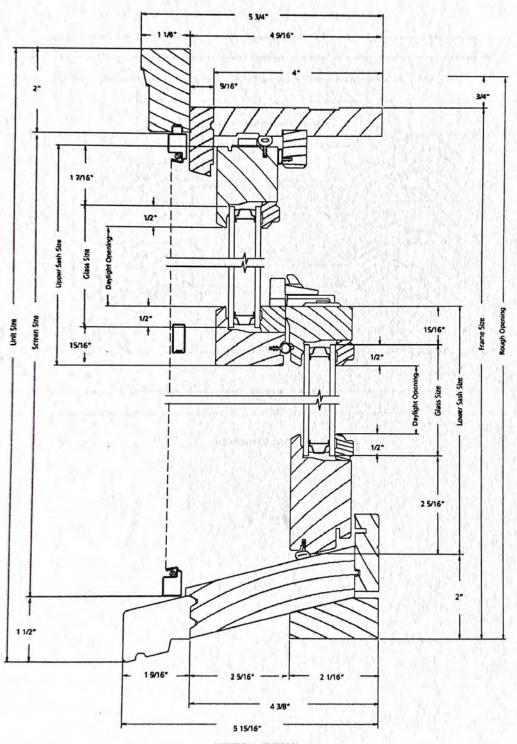


Product specifications may change without notice. Questions? Consult JELD-WEN customer service.



Primed Double-Hung Windows Custom Wood

**1-WIDE UNIT** 



VERTICAL SECTION

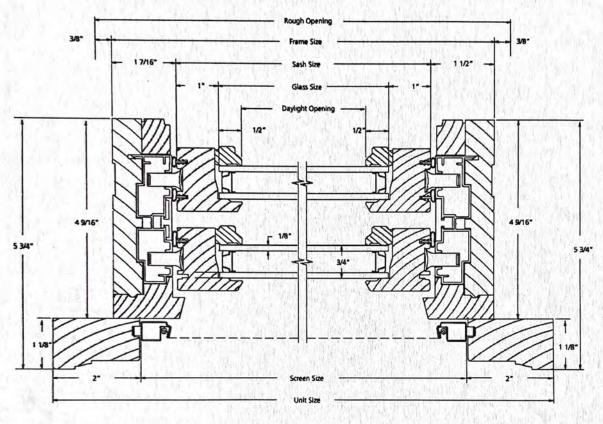
Architectural Detail Manual October 2006 SCALE: 6" = 1'

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Primed Double-Hung Windows Custom Wood

### **1-WIDE UNIT**



HORIZONTAL SECTION

Architectural Detail Manual October 2006

JELD-WEN reserves the right to change specifications without notice.

SCALE: 6" = 1'

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Paul Ward 47255 Michigan Ave.



QUOTE BY : Paul WardSOLD TO: Blue Heron BuildersPO#:Ship Via: GroundU-Factor Weighted Average: 0.29	QUOTE # SHIP TO PROJECT NAM REFERENCE SHGC Weighted	:
LINE LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT QTY EXTENDED PRICE PRICE
Line 1 Main Floor - Living Room Rough Opening : 30 1/8 X 60 3/4	SWD2960 Frame Size : 29 3/8 X 60 (Outside Casing Size: 32 X 62 3/16), Siteline Wood Double Hung, Auralast Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, Dr 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambline Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Pro- Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Scree Product Does Not Qualify for Accider GlassThick=0.698, Clear Opening:25 U-Factor: 0.29, SHGC: 0.27, VLT: 0.3 CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03)	ipCap, Chestnut Bronze Drip Cap, r, Concealed Jambliner tective Film, Black Spacer, Argon n, ntal Glass Breakage Warranty Coverage, .6w, 26.4h, 4.7 sf 51, Energy Rating: 18.00, CR: 60.00,

Page 1 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
	Main Floor - Dining Room g : 30 1/8 X 60 3/4 xterior. Standard	SWD2960 Frame Size : 29 3/8 X 60 (Outside Casing Size: 32 X 62 3/16), Siteline Wood Double Hung, Auralast Pi Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:25.6v U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	Cap, Chestnut E Concealed Jamb tive Film, Blac Glass Breakag v, 26.4h, 4.7 sf Energy Rating	oliner k Space ge Warr	er, Argon ranty Coverage,
	Main Floor - Dining Room g : 36 1/8 X 60 3/4	SWD3560 Frame Size : 35 3/8 X 60 (Outside Casing Size: 38 X 62 3/16), Siteline Wood Double Hung, Auralast Pi Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:31.6v U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	ne, Cap, Chestnut E Concealed Jamb tive Film, Blac Glass Breakag v, 26.4h, 5.8 sf Energy Rating	Bronze B oliner k Space ge Warn	Drip Cap, er, Argon ranty Coverage,

Page 2 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
	Main Floor - Bedrooms g : 30 1/8 X 60 3/4	SWD2960 Frame Size : 29 3/8 X 60 (Outside Casing Size: 32 X 62 3/16), Siteline Wood Double Hung, Auralast Pir Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:25.6w U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001	ne, Cap, Chestnut E Concealed Jamb Cive Film, Blac Glass Breakag 7, 26.4h, 4.7 sf Energy Rating	oliner k Space ge Warr	Drip Cap, er, Argon ranty Coverage,
		PEV 2020.2.0.2990/PDV 6.289 (06/03/20	0)NW \$523.50	3	\$1,570.50
	Main Floor - Bedrooms g : 18 3/4 X 24 3/4	SWC1824 Frame Size : 18 X 24 (Outside Casing Size: 21 X 26 7/16), Siteline Wood Casement, Auralast Pine, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Hinge Left, Nesting Crank Handle, Chestnut Bronze US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:8.1w, U-Factor: 0.28, SHGC: 0.25, VLT: 0.48, CPD: JEL-N-881-02759-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	Hardware, tive Film, Blac Glass Breakag 19.5h, 1.1 sf Energy Rating	k Space ge Warr	er, Argon ranty Coverage,

Page 3 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
	Main Floor - Kitchen g: 28 1/8 X 54 3/4 xterior. Standard	Frame Size : 27 3/8 X 54 (Outside Casing Size: 30 X 56 3/16), Siteline Wood Double Hung, Auralast Pin Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental *Custom-Width*, *Custom-Height*, Gla Opening:23.6w, 23.4h, 3.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	ap, Chestnut E Concealed Jaml tive Film, Blac Glass Breakag ssThick=0.698 Energy Rating	bliner k Space ge Warr 3, Clear	er, Argon ranty Coverage,
	Main Floor - Bathroom 5 : 28 1/8 X 54 3/4 xterior. Standard	Frame Size : 27 3/8 X 54 (Outside Casing Size: 30 X 56 3/16), Siteline Wood Double Hung, Auralast Pin Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental *Custom-Width*, *Custom-Height*, Gla Opening:23.6w, 23.4h, 3.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	ap, Chestnut E Concealed Jaml tive Film, Blac Glass Breakag ssThick=0.698 Energy Rating	bliner k Space ge Warr 3, Clear	Drip Cap, er, Argon ranty Coverage,

Page 4 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE	
Line 8	Upper Floor - Living Room	SWD2960 Frame Size : 29 3/8 X 60				
	: 30 1/8 X 60 3/4	<ul> <li>Frame Size : 29 3/8 X 60</li> <li>(Outside Casing Size: 32 X 62 3/16),</li> <li>Siteline Wood Double Hung, Auralast Pine,</li> <li>Primed Exterior,</li> <li>Natural Interior,</li> <li>Brickmould, Standard Sill Nosing, DripCap, Chestnut Bronze Drip Cap,</li> <li>5 1/4 Jamb, 4/4 Thick,</li> <li>Standard Double Hung, Tan Jambliner, Concealed Jambliner</li> <li>Chestnut Bronze Hardware,</li> <li>US National-WDMA/ASTM, PG 35,</li> <li>Insulated Low-E Annealed Glass, Protective Film, Black Spacer, Argon</li> <li>Filled, Traditional Glz Bd,</li> <li>BetterVue Mesh Brilliant White Screen,</li> <li>Product Does Not Qualify for Accidental Glass Breakage Warranty Coverage,</li> <li>GlassThick=0.698, Clear Opening:25.6w, 26.4h, 4.7 sf</li> <li>U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, Energy Rating: 18.00, CR: 60.00,</li> <li>CPD: JEL-N-885-01789-00001</li> </ul>				
		PEV 2020.2.0.2990/PDV 6.289 (06/03/20	))NW \$523.50	4	\$2,094.00	
Line 9	Upper Floor - Dining	SWD2960				
Rough Opening	Room : 30 1/8 X 60 3/4	Frame Size : 29 3/8 X 60 (Outside Casing Size: 32 X 62 3/16), Siteline Wood Double Hung, Auralast Pin	ne,			
		Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35,	_		Drip Cap,	
Viewed from Exterior. Standard Viewed from Exterior. Standard Insulated Low-E Annealed Glass, Protective Film, Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental Glass Bro GlassThick=0.698, Clear Opening:25.6w, 26.4h, 4 U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, Energy R CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20)NW					anty Coverage, , CR: 60.00,	
			\$523.50	2	\$1,047.00	

Page 5 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDE PRICE	
Line 10	Upper Floor - Dining	SWD3560				
Rough Opening : 36 1/8 X 60 3/4		<ul> <li>Frame Size : 35 3/8 X 60</li> <li>(Outside Casing Size: 38 X 62 3/16),</li> <li>Siteline Wood Double Hung, Auralast Pine,</li> <li>Primed Exterior,</li> <li>Natural Interior,</li> <li>Brickmould, Standard Sill Nosing, DripCap, Chestnut Bronze Drip Cap,</li> <li>5 1/4 Jamb, 4/4 Thick,</li> <li>Standard Double Hung, Tan Jambliner, Concealed Jambliner</li> <li>Chestnut Bronze Hardware,</li> <li>US National-WDMA/ASTM, PG 35,</li> <li>Insulated Low-E Annealed Glass, Protective Film, Black Spacer, Argon</li> </ul>				
		Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental Glass Breakage Warranty Coverage, GlassThick=0.698, Clear Opening:31.6w, 26.4h, 5.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, Energy Rating: 18.00, CR: 60.00, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20)NW \$581.29 1 \$581.29				
Line 11	Upper Floor -	SWD2960				
	Bedrooms : 30 1/8 X 60 3/4 xterior. Standard	<ul> <li>Frame Size : 29 3/8 X 60</li> <li>(Outside Casing Size: 32 X 62 3/16),</li> <li>Siteline Wood Double Hung, Auralast Pine,</li> <li>Primed Exterior,</li> <li>Natural Interior,</li> <li>Brickmould, Standard Sill Nosing, DripCap, Chestnut Bronze Drip Cap,</li> <li>5 1/4 Jamb, 4/4 Thick,</li> <li>Standard Double Hung, Tan Jambliner, Concealed Jambliner</li> <li>Chestnut Bronze Hardware,</li> <li>US National-WDMA/ASTM, PG 35,</li> <li>Insulated Low-E Annealed Glass, Protective Film, Black Spacer, Argon</li> <li>Filled, Traditional Glz Bd,</li> </ul>				
		BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:25.6w U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	v, 26.4h, 4.7 sf Energy Rating			

Page 6 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE		
	Upper Floor - Bedrooms : 18 3/4 X 24 3/4	SWC1824 Frame Size : 18 X 24 (Outside Casing Size: 21 X 26 7/16), Siteline Wood Casement, Auralast Pine, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Hinge Left, Nesting Crank Handle, Chestnut Bronze I US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental GlassThick=0.698, Clear Opening:8.1w, U-Factor: 0.28, SHGC: 0.25, VLT: 0.48, CPD: JEL-N-881-02759-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20	Hardware, ive Film, Blac Glass Breakag 19.5h, 1.1 sf Energy Rating	k Space ge Warr	er, Argon ranty Coverage,		
	Upper Floor - Kitcher : 28 1/8 X 54 3/4 xterior. Standard	<sup>n</sup> Frame Size : 27 3/8 X 54 (Outside Casing Size: 30 X 56 3/16), Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Chestnut Bronze Drip Cap, 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental Glass Breakage Warranty Coverage, *Custom-Width*, *Custom-Height*, GlassThick=0.698, Clear Opening:23.6w, 23.4h, 3.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, Energy Rating: 18.00, CR: 60.00, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20)NW \$631.42 2 \$1,262.84					

Page 7 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE	
	Upper Floor - Bathroom g : 28 1/8 X 54 3/4	Frame Size : 27 3/8 X 54 (Outside Casing Size: 30 X 56 3/16), Siteline Wood Double Hung, Auralast Pi Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripC 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, C Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protect Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental *Custom-Width*, *Custom-Height*, Gla Opening:23.6w, 23.4h, 3.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/2)	Cap, Chestnut H Concealed Jaml tive Film, Blac Glass Breakag assThick=0.698 Energy Rating	oliner k Space ge Wari 3, Clea	er, Argon ranty Coverage,	
	Back - Stairwell g : 28 1/8 X 54 3/4 xterior. Standard	Frame Size : 27 3/8 X 54 (Outside Casing Size: 30 X 56 3/16), Siteline Wood Double Hung, Auralast Pine, Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripCap, Chestnut Bronze Drip Cap, 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, Concealed Jambliner Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidental Glass Breakage Warranty Coverage, *Custom-Width*, *Custom-Height*, GlassThick=0.698, Clear Opening:23.6w, 23.4h, 3.8 sf U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, Energy Rating: 18.00, CR: 60.00, CPD: JEL-N-885-01789-00001 PEV 2020.2.0.2990/PDV 6.289 (06/03/20)NW \$631.42 1 \$631.42				

Page 8 of 9 (Prices are subject to change.) JW2007012QW (Ver:0) 07/23/2020 1.03 PM

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
Line 16 Front - Stairwell Rough Opening : 30 1/8 X 54 3/4		Frame Size : 29 3/8 X 54 (Outside Casing Size: 32 X 56 3/16), Siteline Wood Double Hung, Auralast Pi Primed Exterior, Natural Interior, Brickmould, Standard Sill Nosing, DripO 5 1/4 Jamb, 4/4 Thick, Standard Double Hung, Tan Jambliner, O Chestnut Bronze Hardware, US National-WDMA/ASTM, PG 35, Insulated Low-E Annealed Glass, Protec Filled, Traditional Glz Bd, BetterVue Mesh Brilliant White Screen, Product Does Not Qualify for Accidenta *Custom-Height*, GlassThick=0.698, O U-Factor: 0.29, SHGC: 0.27, VLT: 0.51, CPD: JEL-N-885-01789-00001	Cap, Chestnut E Concealed Jamb tive Film, Blac I Glass Breakag Clear Opening:2	oliner k Space ge Warn 25.6w, 2	er, Argon ranty Coverage, 23.4h, 4.1 sf
		PEV 2020.2.0.2990/PDV 6.289 (06/03/2	0)NW \$566.99	1	\$566.99
			Tot	al:	\$17,387.33
		s	ales tax (6.00%	-	\$1,043.24
			Net Tot		\$18,430.57
			Total Uni	its:	34

**Protect** yourself when you choose JELD-WEN AuraLast pine products backed by a limited lifetime warranty against wood rot and termite damage.

For CA Title 24 applications, refer to weighted average U-Factor and SHGC, and discuss with California energy consultant to ensure compliance with code.

Page 9 of 9 (Prices are subject to change.) JW2007012QW (Ver:0)- 07/23/2020 1.03 PM