

ISSUE: Certificate of Appropriateness for alterations

APPLICANT: Wendy Battaglino

LOCATION: Old and Historic Alexandria District
Address: 117 South Fayette Street

ZONE: CL/Commercial low zone

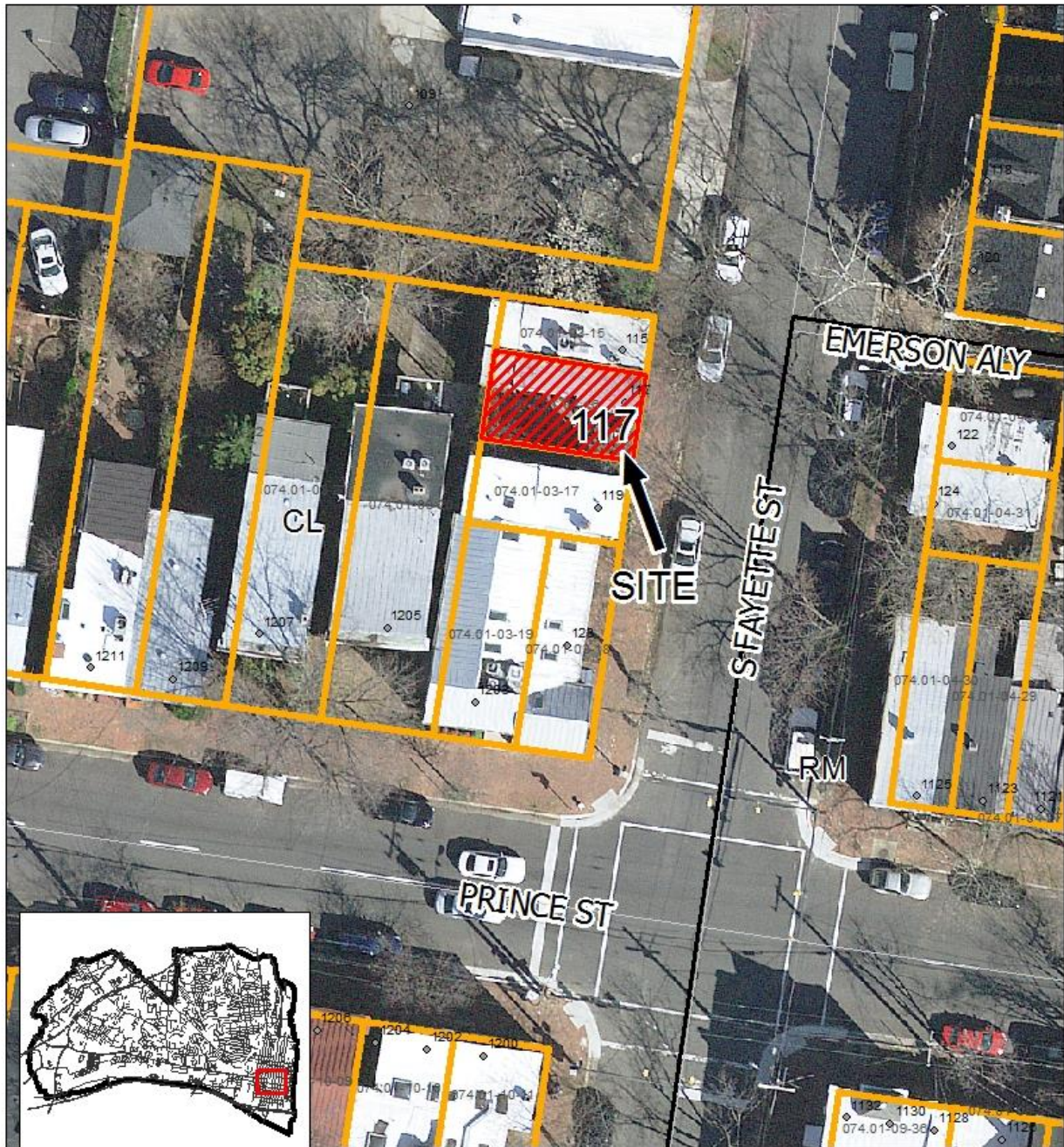
STAFF RECOMMENDATION

Staff recommends denial of the Certificate of Appropriateness with the following comments:

1. Repair and retain the original two-over-two wood windows on the main block;
2. Defer approval of replacement of the windows and doors on the side elevation (except for one second floor window) until the applicant provides sufficient evidence to demonstrate to staff that they are not original and/or are beyond reasonable repair.

GENERAL NOTES TO THE APPLICANT

1. **ISSUANCE OF CERTIFICATES OF APPROPRIATENESS AND PERMITS TO DEMOLISH:** Applicants must obtain a copy of the Certificate of Appropriateness or Permit to Demolish PRIOR to applying for a building permit. Contact BAR Staff, Room 2100, City Hall, 703-746-3833, or preservation@alexandriava.gov for further information.
2. **APPEAL OF DECISION:** In accordance with the Zoning Ordinance, if the Board of Architectural Review denies or approves an application in whole or in part, the applicant or opponent may appeal the Board's decision to City Council on or before 14 days after the decision of the Board.
3. **COMPLIANCE WITH BAR POLICIES:** All materials must comply with the BAR's adopted policies unless otherwise specifically approved.
4. **BUILDING PERMITS:** Most projects approved by the Board of Architectural Review require the issuance of one or more construction permits by Department of Code Administration (including signs). The applicant is responsible for obtaining all necessary construction permits after receiving Board of Architectural Review approval. Contact Code Administration, Room 4200, City Hall, 703-746-4200 for further information.
5. **EXPIRATION OF APPROVALS NOTE:** In accordance with Sections 10-106(B) and 10-206(B) of the Zoning Ordinance, any official Board of Architectural Review approval will expire 12 months from the date of issuance if the work is not commenced and diligently and substantially pursued by the end of that 12-month period.
6. **HISTORIC PROPERTY TAX CREDITS:** Applicants performing extensive, certified rehabilitations of historic properties may separately be eligible for state and/or federal tax credits. Consult with the Virginia Department of Historic Resources (VDHR) prior to initiating any work to determine whether the proposed project may qualify for such credits.



BAR #2019-00021
117 South Fayette Street



0 15 30 60 Feet

I. APPLICANT'S PROPOSAL

The applicant is requesting a Certificate of Appropriateness for the replacement of eleven windows and two side doors with Pella Wood Architect Series windows and doors at 117 South Fayette Street. The property is in the Old & Historic Alexandria District.

The following full frame replacements are proposed:

- ten double-hung, double-glazed, two-over-two wood windows with 1 ¼ inch ogee profile muntins;
- one wood fixed basement window; and,
- two out-swing wood side doors with four divided lights with 1 ¼ inch ogee profile muntins.

II. HISTORY

The two-story, two-bay, semi-detached Queen Anne style rowhouse was built between 1885 and 1891. The two semidetached dwellings (115 and 117 South Fayette Street) first appear on the **1891** Sanborn map. A one story open rear porch was added to both buildings in the early 20th century and then a two-story brick addition replaced the porch on the rear of 117 South Fayette between 1931 and 1941. The building features a pressed brick façade, corbeled brick cornice and molded brick segmental arches above the windows and transom. According to Virginia McAlester's book "A Field Guide to American Houses" Queen Anne rowhouses were commonly built in the Washington D.C. area and eastern cities. Variations in texture on Queen Anne buildings is very typical and often achieved by laying different patterns of brick courses or by using different brick and mortar colors.

The Board denied a Certificate of Appropriateness to paint unpainted masonry in 2001 (BAR Case #2001-00175).

III. ANALYSIS

The *Design Guidelines* chapter on Windows states that: "A central tenet of the philosophy of historic preservation is that original historic materials should be retained and repaired rather than replaced. An informed and careful analysis of the existing condition should be made before any decision to replace historic materials is made. It is often cheaper to keep historic materials and repair them rather than replace an item with new material. Storm windows or new weather-stripping will make a historic sash quite efficient without replacement." (Page 2)

The BAR's long-standing policies regarding repair and replacement are as follows:

1. Preserve and repair existing original fabric wherever it is identified and is reasonably repairable.
2. Replace the original in-kind, using the same design and same material, when staff agrees in the field that the original is not reasonably repairable.
3. When the original is not reasonably repairable, install historically appropriate material to match the original when its design is revealed through site investigation or archival evidence.
4. When the original material and design cannot be verified, install historically appropriate material in an appropriate style.

1. Preserve and repair existing original fabric wherever it is identified and reasonably repairable.

From the sidewalk on South Fayette Street staff could determine that the three windows on the building's primary (east) façade and the two windows on the south side which are part of the main block are original to the building and are in good condition. The two-over-two wood windows feature a thicker muntin between the lights which is commonly found on buildings from this period and they are identical to the twin-dwelling neighbor's windows at 115 South Fayette Street (Figures 1 and 2). The street facing sashes and frames of the visible windows are in good condition with no sign of wood rot, broken glass, or split parts. The windows do not appear to be painted shut and seem to be operable (Figures 3 and 4). Staff could not identify original wood pegs or the existence of mortise and tenon joints due to several coats of paint on the exterior and staff was not granted access to the interior of the house to definitively date the windows. While not binding upon the BAR and referenced here only as a nationally accepted preservation practice, the Secretary of the Interior's Standards for Rehabilitation does not recommend: *Replacing windows solely because of peeling paint, broken glass, stuck sash, and high air infiltration. These conditions, in themselves, are no indication that windows are beyond repair.*¹



Figure 1: Second floor windows, front façade (115 & 117 South Fayette Street)

¹ The Secretary of the Interior's Standards for Rehabilitation – Standards Guidelines – Windows. last visited on 01/31/2019. <https://www.nps.gov/TPS/standards/rehabilitation/rehab/windows01.htm/>



Figure 2: First floor windows, front façade (115 & 117 South Fayette Street)



Figure 3: First floor window detail



Figure 4: First floor window detail

A tall solid fence on South Fayette Street makes it difficult to see the condition of the windows on the side so it is not possible to determine whether the six-over-six windows or the two side doors

are historic. Without evidence that they are later replacement windows staff does not support their replacement.

2. Replace the original in-kind, using the same design and same material, when staff agrees in the field that the original is not reasonably repairable.

Staff did not have access to the property which makes it impossible to closely inspect and determine the age and condition of the windows and doors. While the applicant provided photos of the windows, no pictures of the doors to be replaced were provided. The only window which staff believes can be replaced now is the second floor rearmost second floor window because it is part of a later, mid-20th century second floor addition (Figure 5).



Figure 5: Later window

3. When the original is not reasonably repairable, install historically appropriate material to match the original when its design is revealed through site investigation or archival evidence.

Until staff is permitted access to the site, staff cannot recommend replacement of the windows except for the window shown in Figure 5.

4. When the original material and design cannot be verified, install historically appropriate material in an appropriate style.

As noted above, the information provided by the applicant and a site visit by staff suggest that the windows which are visible are original and should be repaired rather than replaced. The applicant has provided several photos of examples where windows have been replaced but provides no evidence that original windows were removed to install these replacements. In addition, the BAR's window policy has been updated several times as window technology has changed over time.

It is staff's opinion that the windows on the subject property's main block are original and should be retained and repaired, rather than replaced. The windows on the south elevation of the ell could perhaps be replaced, if staff could inspect their condition and age. If eligible for replacement, staff would have to determine whether the replacement windows should be in the two-over-two configuration proposed by the applicant, or in a six-over-six configuration like the existing windows and the side windows on the twin house at 115 South Payne Street. Like using more expensive brick on the front of a house, it was a common practice to use more expensive windows (windows with larger glass panes) on the front elevation to display wealth, and a more inexpensive common window (such as six-over-six) on the sides and rear.

In conclusion, staff recommends retention and repair of the two-over-two windows on the main block and denial of the side windows (except for one window) until the age and condition of the windows and doors on the side elevation can be evaluated. If the Board disagrees with staff's recommendation and would like to approve or partially approve the replacement windows and doors, the new fenestration should comply with the *Alexandria New and Replacement Window Performance Specifications in the Historic Districts* unless otherwise specifically stated at the hearing.

STAFF

Marina Novaes, Historic Preservation Planner, Planning & Zoning
Al Cox, FAIA, Historic Preservation Manager, Planning & Zoning

IV. CITY DEPARTMENT COMMENTS

Legend: C- code requirement R- recommendation S- suggestion F- finding

Zoning

C-1 Proposed window replacement complies with zoning.

V. ATTACHMENTS

1 – *Supplemental Materials*

2 – *Application for BAR 2019-00021: 117 South Fayette Street*

BAR Case # _____

ADDRESS OF PROJECT: 117 S Fayette

TAX MAP AND PARCEL: 074.01-03-16 ZONING: CL

APPLICATION FOR: (Please check all that apply)

☒ CERTIFICATE OF APPROPRIATENESS

☒ PERMIT TO MOVE, REMOVE, ENCAPSULATE OR DEMOLISH
(Required if more than 25 square feet of a structure is to be demolished/impacted)

☐ WAIVER OF VISION CLEARANCE REQUIREMENT and/or YARD REQUIREMENTS IN A VISION
CLEARANCE AREA (Section 7-802, Alexandria 1992 Zoning Ordinance)

☐ WAIVER OF ROOFTOP HVAC SCREENING REQUIREMENT
(Section 6-403(B)(3), Alexandria 1992 Zoning Ordinance)

Applicant: ☒ Property Owner ☐ Business (Please provide business name & contact person)

Name: Wendy Battaglino

Address: 117 S Fayette St

City: Alexandria State: VA Zip: 22314

Phone: 703-798-6304 E-mail: wendybatt@aol.com

Authorized Agent (if applicable): ☐ Attorney ☐ Architect ☒ Window Rep

Name: Brett E Hopkins

Phone: 703-346-1650

E-mail: brett.hopkins@pellamidatlantic.com

Legal Property Owner:

Name: Wendy Battaglino

Address: 117 S Fayette St

City: Alexandria State: VA Zip: 22314

Phone: 703-798-6304 E-mail: wendybatt@aol.com

- ☐ Yes ☒ No Is there an historic preservation easement on this property?
☐ Yes ☒ No If yes, has the easement holder agreed to the proposed alterations?
☐ Yes ☒ No Is there a homeowner's association for this property?
☐ Yes ☒ No If yes, has the homeowner's association approved the proposed alterations?

If you answered yes to any of the above, please attach a copy of the letter approving the project.

NATURE OF PROPOSED WORK: *Please check all that apply*

- ☐ NEW CONSTRUCTION
- ☒ EXTERIOR ALTERATION: *Please check all that apply.*
- | | | | |
|--------------------------------------|---|---|-----------------------------------|
| <input type="checkbox"/> awning | <input type="checkbox"/> fence, gate or garden wall | <input type="checkbox"/> HVAC equipment | <input type="checkbox"/> shutters |
| <input type="checkbox"/> doors | <input checked="" type="checkbox"/> windows | <input type="checkbox"/> siding | <input type="checkbox"/> shed |
| <input type="checkbox"/> lighting | <input type="checkbox"/> pergola/trellis | <input type="checkbox"/> painting unpainted masonry | |
| <input type="checkbox"/> other _____ | | | |
- ☐ ADDITION
- ☐ DEMOLITION/ENCAPSULATION
- ☐ SIGNAGE

DESCRIPTION OF PROPOSED WORK: *Please describe the proposed work in detail (Additional pages may be attached).*

Replacement Pella Windows: Architect Series, Wood Exterior, Wood Int
 Full Frame Replacement: Remove old windows, including storms, frames and trim
 Cut Sheet attached with grille profile and patterns.

SUBMITTAL REQUIREMENTS:

Items listed below comprise the **minimum supporting materials** for BAR applications. Staff may request additional information during application review. Please refer to the relevant section of the *Design Guidelines* for further information on appropriate treatments.

Applicants must use the checklist below to ensure the application is complete. Include all information and material that are necessary to thoroughly describe the project. Incomplete applications will delay the docketing of the application for review. Pre-application meetings are required for all proposed additions. All applicants are encouraged to meet with staff prior to submission of a completed application.

Electronic copies of submission materials should be submitted whenever possible.

Demolition/Encapsulation : *All applicants requesting 25 square feet or more of demolition/encapsulation must complete this section. Check N/A if an item in this section does not apply to your project.*

- N/A
- ☐ ☒ Survey plat showing the extent of the proposed demolition/encapsulation.
- ☐ ☒ Existing elevation drawings clearly showing all elements proposed for demolition/encapsulation.
- ☐ ☒ Clear and labeled photographs of all elevations of the building if the entire structure is proposed to be demolished.
- ☐ ☒ Description of the reason for demolition/encapsulation.
- ☐ ☒ Description of the alternatives to demolition/encapsulation and why such alternatives are not considered feasible.

Additions & New Construction: *Drawings must be to scale and should not exceed 11" x 17" unless approved by staff. All plans must be folded and collated into 3 complete 8 1/2" x 11" sets. Additional copies may be requested by staff for large-scale development projects or projects fronting Washington Street. Check N/A if an item in this section does not apply to your project.*

- ☐ ☒ ^{N/A} Scaled survey plat showing dimensions of lot and location of existing building and other structures on the lot, location of proposed structure or addition, dimensions of existing structure(s), proposed addition or new construction, and all exterior, ground and roof mounted equipment.
- ☐ ☒ FAR & Open Space calculation form.
- ☐ ☒ Clear and labeled photographs of the site, surrounding properties and existing structures, if applicable.
- ☐ ☒ Existing elevations must be scaled and include dimensions.
- ☐ ☒ Proposed elevations must be scaled and include dimensions. Include the relationship to adjacent structures in plan and elevations.
- ☐ ☒ Materials and colors to be used must be specified and delineated on the drawings. Actual samples may be provided or required.
- ☐ ☒ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- ☐ ☒ For development site plan projects, a model showing mass relationships to adjacent properties and structures.

Signs & Awnings: *One sign per building under one square foot does not require BAR approval unless illuminated. All other signs including window signs require BAR approval. Check N/A if an item in this section does not apply to your project.*

- ☐ ☒ ^{N/A} Linear feet of building: Front: _____ Secondary front (if corner lot): _____
- ☐ ☒ Square feet of existing signs to remain: _____
- ☐ ☒ Photograph of building showing existing conditions.
- ☐ ☒ Dimensioned drawings of proposed sign identifying materials, color, lettering style and text.
- ☐ ☒ Location of sign (show exact location on building including the height above sidewalk).
- ☐ ☒ Means of attachment (drawing or manufacturer's cut sheet of bracket if applicable).
- ☐ ☒ Description of lighting (if applicable). Include manufacturer's cut sheet for any new lighting fixtures and information detailing how it will be attached to the building's facade.

Alterations: *Check N/A if an item in this section does not apply to your project.*

- ☒ ☐ ^{N/A} Clear and labeled photographs of the site, especially the area being impacted by the alterations, all sides of the building and any pertinent details.
- ☒ ☐ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- ☒ ☐ Drawings accurately representing the changes to the proposed structure, including materials and overall dimensions. Drawings must be to scale.
- ☐ ☐ An official survey plat showing the proposed locations of HVAC units, fences, and sheds.
- ☐ ☒ Historic elevations or photographs should accompany any request to return a structure to an earlier appearance.

ALL APPLICATIONS: *Please read and check that you have read and understand the following items:*

- ☒ I have submitted a filing fee with this application. (Checks should be made payable to the City of Alexandria. Please contact staff for assistance in determining the appropriate fee.)
- ☒ I understand the notice requirements and will return a copy of the three respective notice forms to BAR staff at least five days prior to the hearing. If I am unsure to whom I should send notice I will contact Planning and Zoning staff for assistance in identifying adjacent parcels.
- ☒ I, the applicant, or an authorized representative will be present at the public hearing.
- ☒ I understand that any revisions to this initial application submission (including applications deferred for restudy) must be accompanied by the BAR Supplemental form and 3 sets of revised materials.

The undersigned hereby attests that all of the information herein provided including the site plan, building elevations, prospective drawings of the project, and written descriptive information are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The undersigned also hereby authorizes the City staff and members of the BAR to inspect this site as necessary in the course of research and evaluating the application. The applicant, if other than the property owner, also attests that he/she has obtained permission from the property owner to make this application.

APPLICANT OR AUTHORIZED AGENT:

Signature: Bret H. Hopkins

Printed Name: Bret H. Hopkins

Date: 1/10/19

OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

1. **Applicant.** State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

	Name	Address	Percent of Ownership
1.	Wendy Battaglino	117 S Fayette St	100%
2.			
3.			

2. **Property.** State the name, address and percent of ownership of any person or entity owning an interest in the property located at 117 S Fayette St (address), unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

	Name	Address	Percent of Ownership
1.	Wendy Battaglino	117 S Fayette St	100%
2.			
3.			

3. **Business or Financial Relationships.** Each person or entity listed above (1 and 2), with an ownership interest in the applicant or in the subject property is required to disclose any business or financial relationship, as defined by Section 11-350 of the Zoning Ordinance, existing at the time of this application, or within the 12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review.

	Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
1.	Wendy Battaglino	N/A	N/A
2.			
3.			

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

1/10/19 Brett E Hopkins [Signature]
 Date Printed Name Signature

















FAMILY & COSMETIC
DENTISTRY
Prinet Kasper, D.D.S.

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2
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3

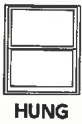
DENTISTRY
Kasper, DDS



23



119



GRILLE TYPES

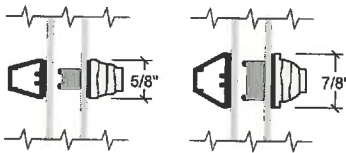
Typical Grille Profiles



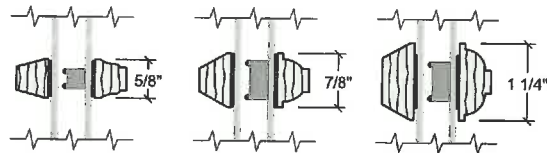
117 Fayette St

Integral Light Technology®

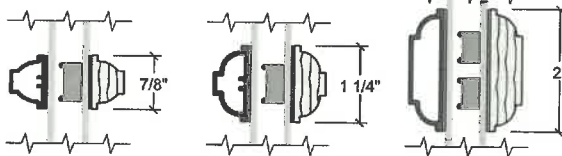
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Clad Exterior - Wood Interior



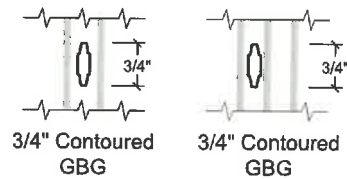
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Wood Exterior - Wood Interior



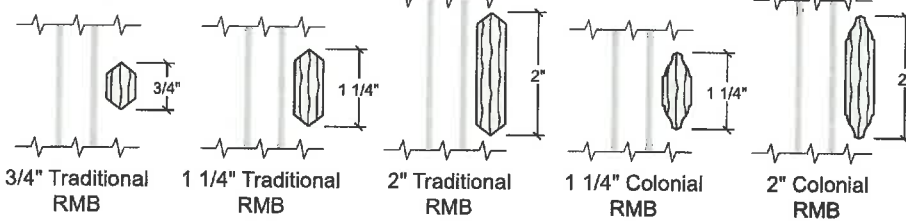
Ogee Glaze Grilles
Clad Exterior - Wood Interior



Contoured Aluminum -
Grilles-Between-the-Glass



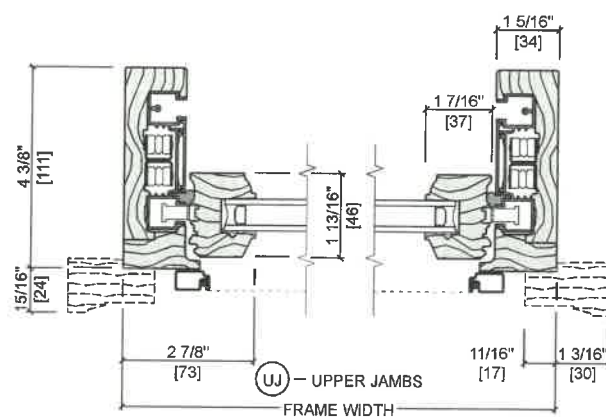
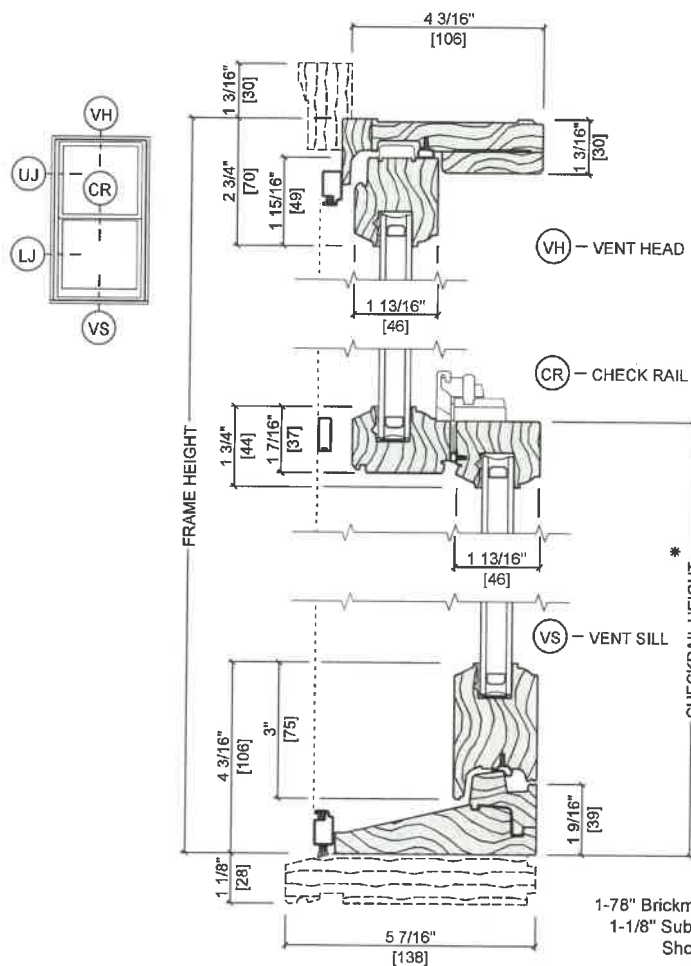
Removable Interior Pine Grilles



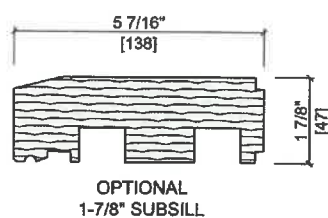
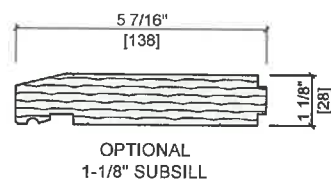
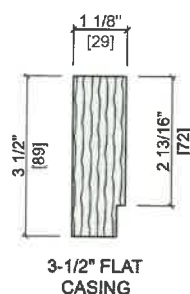
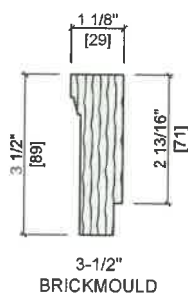
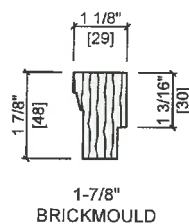
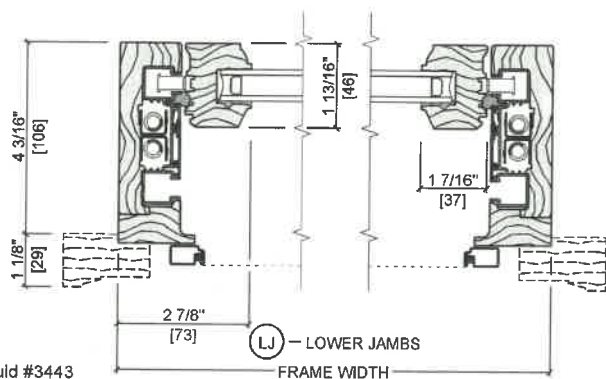
Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.

Exterior wood ILT grilles available in Pine or Mahogany to match complete unit.

LX Single- and Double-Hung



* Dimension required for ordering units with unequal sash.



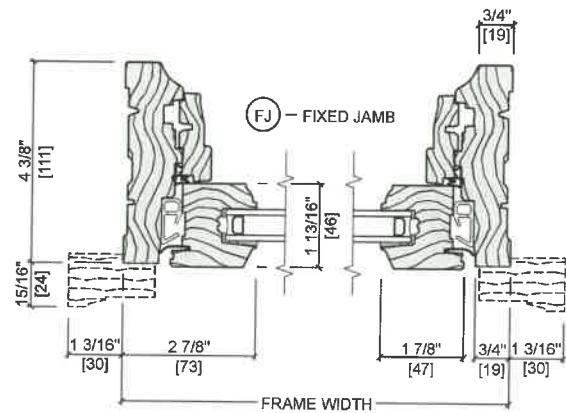
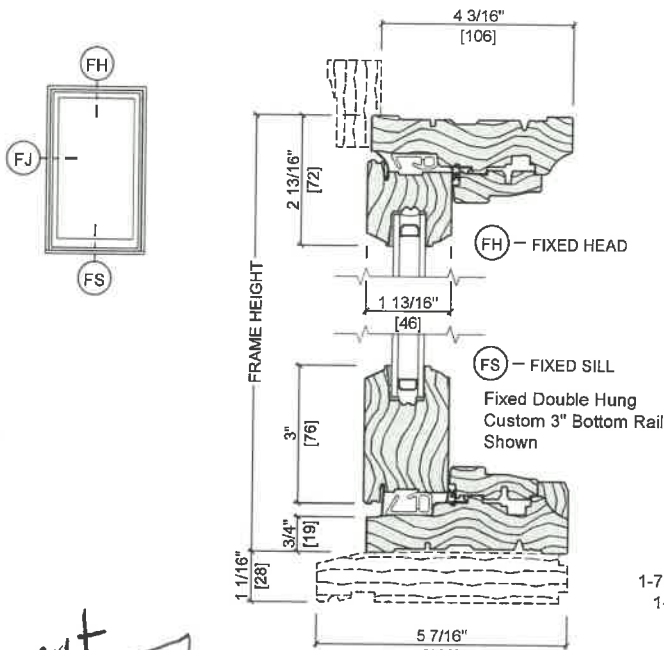
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UNIT SECTIONS

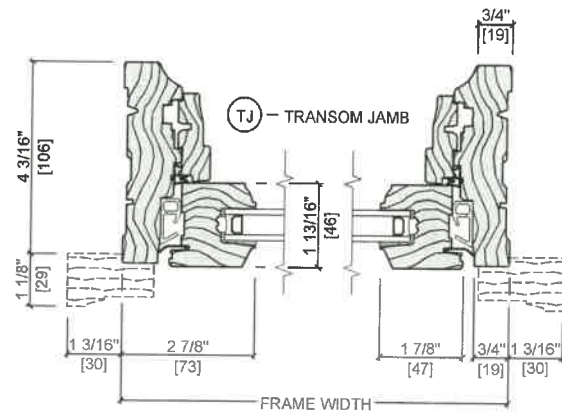
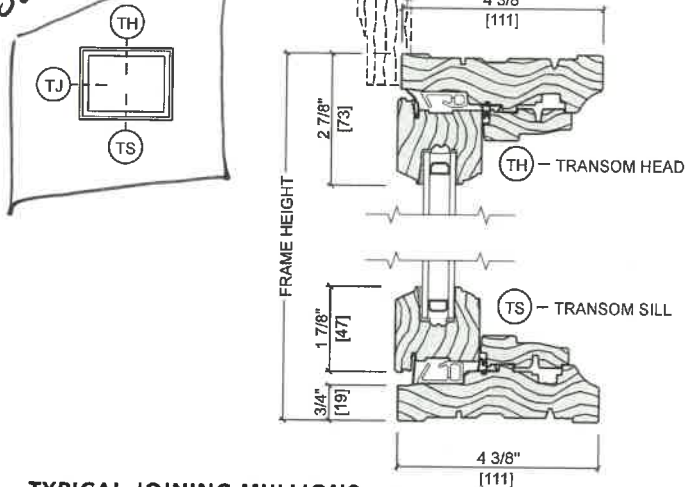
Wood Exterior

Fixed and Transom - Putty Exterior Glazing Profile

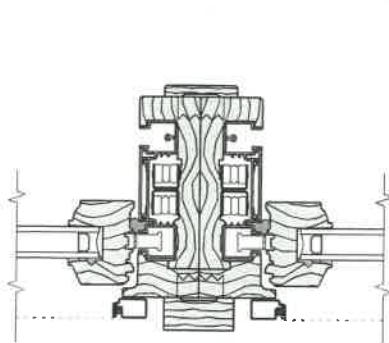


1-78" Brickmould #3443
1-1/8" Subsill #3544
Shown

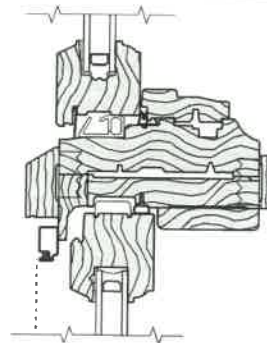
Basement



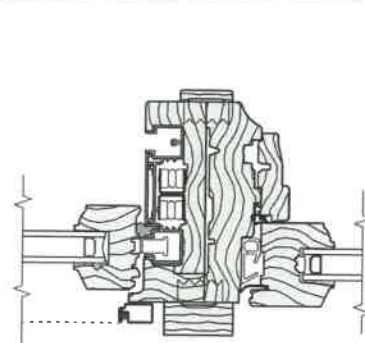
TYPICAL JOINING MULLIONS



VERTICAL JOINING MULLION
LX VENT / LX VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
LX VENT / FIXED

Scale 3" = 1' 0"

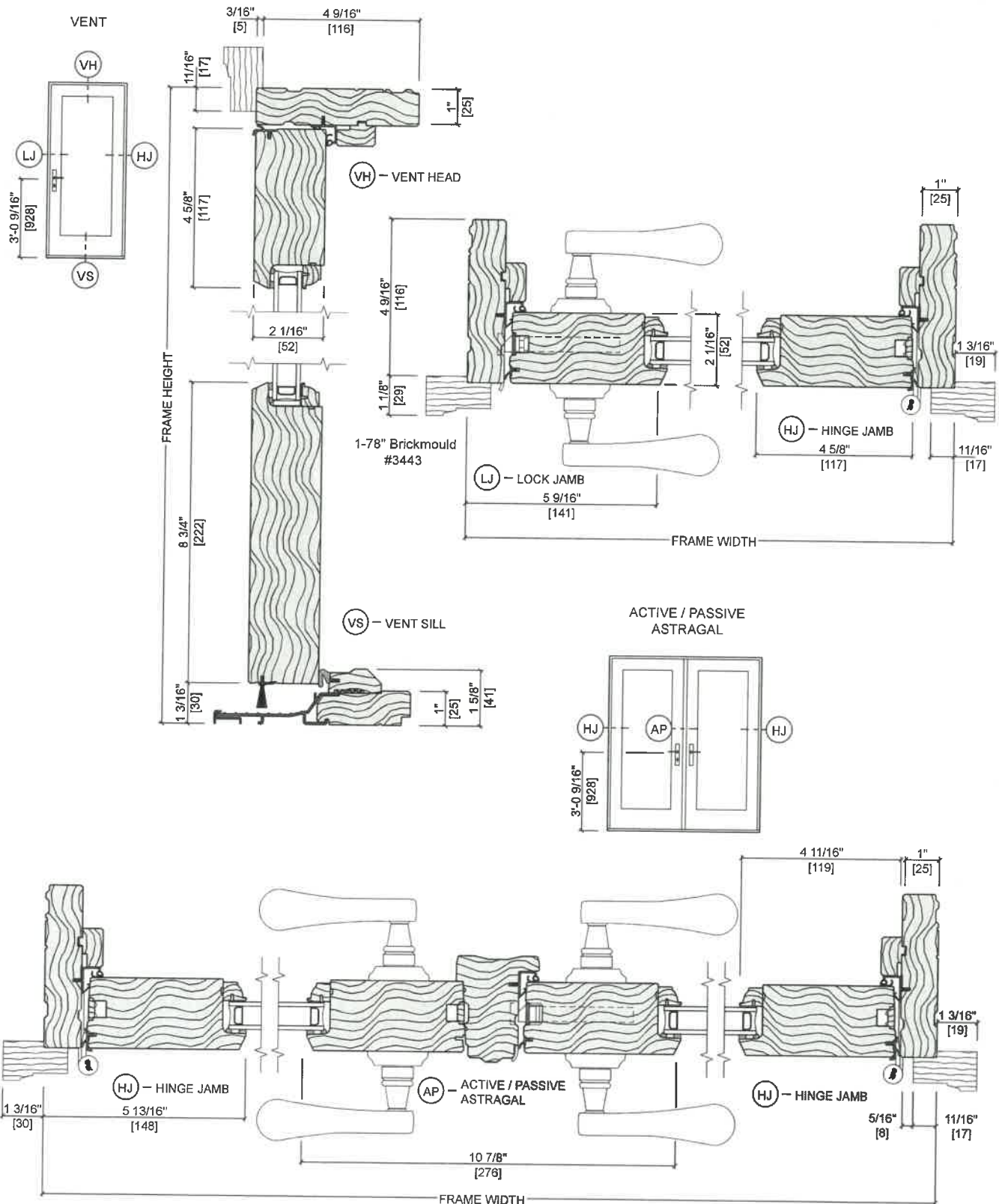
All dimensions are approximate.



OUT-SWING DOOR

UNIT SECTIONS

Wood Exterior



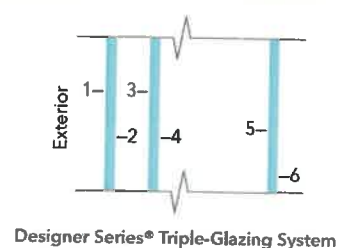
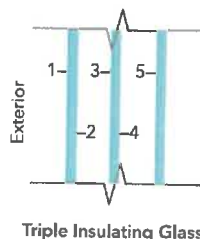
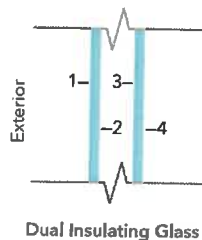
Scale 3" = 1' 0"

All dimensions are approximate.



This chart is an overview of the typical glass types that are available from Pella. The types of glass and the glass thickness vary by brand. For complete Glazing Performance data, including Obscure and High Altitude glazing, please go to the appropriate product section of PellaADM.com.

TYPE OF GLAZING	Glass Thickness	U-Factor	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)	Relative Heat Gain	% Visible Light Transmission	Inside Glass Surface Temp (°F)	% Relative Humidity @70°F when condensation appears on room side	% UV Transmission	LBL Damage Function	Low-E Coating on Surfaces #
Triple Pane Glazing, 5/8" Argon filled IG with HGP - Designer Series											
Clear (air filled)	3mm 1	0.32	0.70	0.80	166	75	52	53	48	0.52	
SunDefense™	3mm 1	0.19	0.25	0.29	61	59	59	68	4	0.19	2
Advanced	3mm 1	0.20	0.34	0.39	81	64	59	68	12	0.28	2
AdvancedComfort	3mm 1	0.16	0.33	0.38	78	63	61	73	12	0.27	2, 4
NaturalSun	3mm 1	0.20	0.62	0.72	147	73	58	66	24	0.37	3
Bronze Advanced	5mm/3mm	0.21	0.29	0.34	71	41	58	66	6	0.17	3
Gray Advanced	5mm/3mm	0.21	0.27	0.31	65	36	58	66	6	0.17	3
Green Advanced	5mm/3mm	0.21	0.29	0.33	69	50	58	66	5	0.18	3
Dual Pane Insulating Glass, Argon filled 11/16" overall thickness											
Clear (air filled)	3mm 2	0.48	0.78	0.89	186	82	44	39	58	0.61	
SunDefense™	3mm 2	0.24	0.27	0.31	66	65	56	61	5	0.21	2
Advanced	3mm 2	0.25	0.37	0.42	88	70	56	61	14	0.31	2
AdvancedComfort	3mm 2	0.20	0.36	0.42	86	69	47	44	14	0.31	2, 4
NaturalSun	3mm 2	0.26	0.68	0.79	161	79	55	59	29	0.42	3 or 2*
Bronze Advanced	5mm/3mm	0.25	0.33	0.38	79	45	56	61	7	0.19	3
Gray Advanced	5mm/3mm	0.25	0.30	0.34	73	39	56	61	7	0.18	3
Green Advanced	5mm/3mm	0.25	0.32	0.37	77	55	56	61	5	0.19	3
Advanced Laminated	3mm/6mm	0.31	0.37	0.42	89	68	53	55	0	0.20	2 or 3**
SunDefense™ Laminated	3mm/6mm	0.31	0.28	0.32	68	63	53	55	0	0.16	2 or 3**
Dual Pane Insulating Glass, Argon filled 1" overall thickness											
Clear (air filled)	6mm	0.49	0.75	0.87	181	82	46	41	54	0.58	
SunDefense™	6mm	0.25	0.27	0.31	65	63	56	61	4	0.20	2
Advanced	6mm	0.25	0.35	0.41	84	68	56	61	13	0.30	2
AdvancedComfort	6mm	0.20	0.35	0.40	82	66	47	44	12	0.29	2, 4
NaturalSun	6mm	0.26	0.64	0.74	150	77	55	59	24	0.38	3 or 2*
Bronze Advanced	6mm	0.25	0.30	0.34	71	40	56	61	6	0.16	3
Gray Advanced	6mm	0.25	0.27	0.31	64	34	56	61	6	0.16	3
Green Advanced	6mm	0.25	0.29	0.33	69	51	56	61	4	0.17	3
Advanced Laminated	5mm/10mm	0.25	0.36	0.41	85	67	56	61	0	0.17	2 or 3**
SunDefense™ Laminated	5mm/10mm	0.24	0.27	0.31	66	62	56	61	0	0.14	2 or 3**
1" Triple Insulating Glass-Vinyl 250 Series											
Advanced Low-E	3 mm	0.16	0.31	0.36	74	55	60	71	4	0.19	2, 5
NaturalSun Low-E	3 mm	0.17	0.56	0.64	131	70	60	71	13	0.29	2, 5
Advanced Low-E	4 mm	0.19	0.31	0.35	73	53	59	68	4	0.19	2, 5
NaturalSun Low-E	4 mm	0.20	0.54	0.62	127	69	59	68	12	0.28	2, 5
1-1/4" Triple Insulating Glass-Vinyl 350 Series											
Advanced Low-E	3 mm 3	0.13	0.31	0.36	73	55	62	76	4	0.19	2, 5
NaturalSun Low-E	3 mm 3	0.14	0.56	0.64	131	70	62	76	13	0.29	2



1) Performance of Designer products with 2.5mm glass is within 5% of those stated for 3mm glass.

2) Performance of products with 3/4", 13/16" IG or 2.5mm glass is within 10% of those stated for 3mm glass.

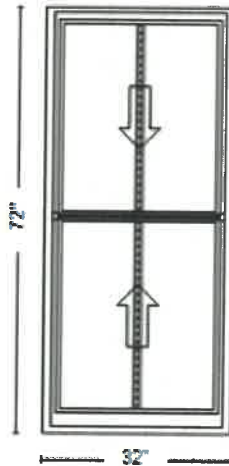
4mm and 5mm glass construction perform similar to 3mm within 10%.

* Wood Products - 3, Vinyl - 2

** Varies by product

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 10

Quote Qty: 4

Scaling: 1/2" = 1'

Description: Architect, Double Hung, 32 X 72

Rough Opening: 32.75" X 72.75"

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual** responsible for the project and are not intended to create any warranty or other liability. The user** is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations.

** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglino, Wendy

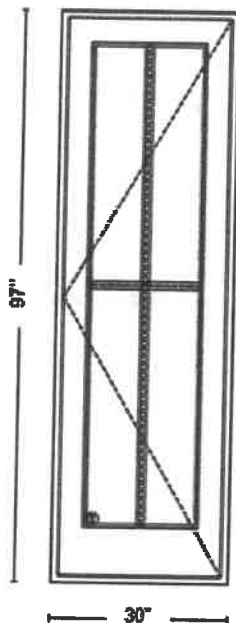
Jobsite Location: Alexandria, VA

Room Location: LR/ DR/ Kitchen

Sales Branch Location: 71700 K. C. Company, Inc.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 20

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Architect, Outswing Door Left, 30 X 97

Rough Opening: 30.75" X 97.5"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglini, Wendy

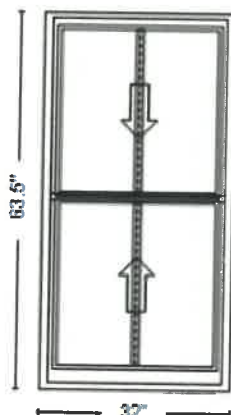
Jobsite Location: Alexandria, VA

Room Location: Kitchen/ Hallway

Sales Branch Location: 71700 K. C. Company, Inc.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 25

Quote Qty: 5

Scaling: 1/2" = 1'

Description: Architect, Double Hung, 32 X 63.5

Rough Opening: 32.75" X 64.25"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglino, Wendy

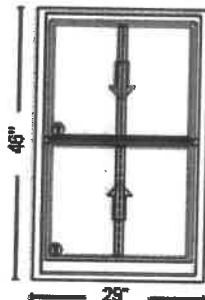
Jobsite Location: Alexandria, VA

Room Location: 2nd Floor

Sales Branch Location: 71700 K. C. Company, Inc.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 30

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Architect, Double Hung, 29 X 46

Rough Opening: 29.75" X 46.75"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglino, Wendy

Jobsite Location: Alexandria, VA

Room Location: Bathroom

Sales Branch Location: 71700 K. C. Company, Inc.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 35

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Architect, Sash Set Fixed, 28.5 X 12.5

Rough Opening: 29.25" X 13.25"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglino, Wendy

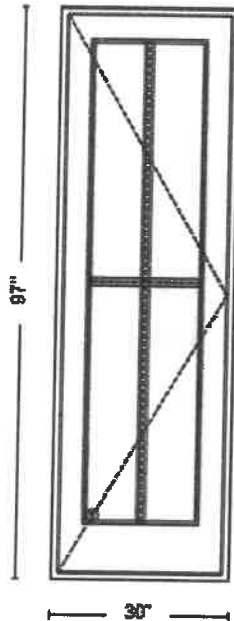
Jobsite Location: Alexandria, VA

Room Location: Basement

Sales Branch Location: 71700 K. C. Company, Inc.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 10844780

Line Number: 45

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Architect, Outswing Door Right, 30 X 97

Rough Opening: 30.75" X 97.5"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: Final Release - SW

Project Name: Battaglino, Wendy

Jobsite Location: Alexandria, VA

Room Location: Kitchen/ Hallway

Sales Branch Location: 71700 K. C. Company, Inc.