

ISSUE: Certificate of Appropriateness for alterations

APPLICANT: Hans and Leslie Wechsel

LOCATION: Old and Historic Alexandria District
117 Quay Street

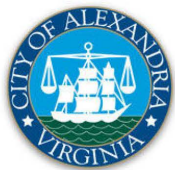
ZONE: RM/Residential Townhouse

STAFF RECOMMENDATION

Staff recommends approval of the Certificate of Appropriateness for alterations as submitted.

GENERAL NOTES TO THE APPLICANT

1. **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.
2. **COMPLIANCE WITH BAR POLICIES:** All materials must comply with the BAR's adopted policies unless otherwise specifically approved.
3. **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.
4. **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.
5. **EXPIRATION OF APPROVALS NOTE:** In accordance with Sections 10-106(B), 10-206(B) and 10-307 of the Zoning Ordinance, any 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 #2021-00165
117 Quay Street



0 15 30 60 Feet

I. APPLICANT'S PROPOSAL

The applicant requests a Certificate of Appropriateness for fenestration changes at 117 Quay Street.

The applicant proposes to install new fenestration at the subject property consisting of horizontal muntin casement windows. The two second floor windows flanking the single door will be enlarged to match the size and style of the door. The new black windows will be manufactured by Marvin using their Infinity (fiberglass) line.

Site context

Quay Street is a one-block street with front-load garage townhouses.

II. HISTORY

The three-story, three-bay townhouse at 117 Quay Street is one of a group of 86 three-story brick townhouses bounded by North Union, North Lee, Queen, and Oronoco streets which were approved by City Council in 1968 (Special Use Permit #1084) and constructed in 1971. This area was not included in the Old and Historic Alexandria District until June of 1984.

Previous BAR Approvals

In 2011, BAR staff administratively approved a new garage door (BAR Case #2011-00079).

III. ANALYSIS

The subject townhouse as well as the surrounding townhouses are an architectural product of their time and geographic location and lack historic significance or architectural distinction. They have a vaguely Colonial Revival architectural character with the street level devoted to multiple curb cuts, large garage doors and randomly placed fenestration above. Bay windows were subsequently added, and over-scaled dormer windows have been applied to false side-gables, and mansard roofs have been converted to habitable space. The economic value of these townhouses has risen substantially since they were constructed due to their proximity to the Potomac River and the creation of Founders Park, and piecemeal requests for larger windows and rooftop decks are common. In cases such as this, where there is no historic context to protect, the BAR has given applicants a good deal of latitude to alter the original architectural style and to accommodate personal taste.

In staff's opinion, the proposed modern windows and doors, which comply with the Board's *Policies for Administrative Approval for Windows*, are both acceptable and appropriate; wholesale façade alteration in a more modern style has been supported by the BAR in the past decade with many examples on the subject block and on other blocks in this development. While each of these projects represents a major departure from the Colonial Revival look of the rest of the community, they nonetheless remain compatible in mass, scale, and height without disrupting the rhythm of

the urban streetscape. The proposed design for 117 Quay Street fits well into this updated community.

Staff could locate no prior approval for the modern front door; nevertheless, staff supports its after-the-fact approval because it helps to make the project more cohesive. Staff recommends approval of the project as submitted.

STAFF

Stephanie Sample, Historic Preservation Planner, Planning & Zoning

Tony LaColla, AICP, Land Use Services Division Chief, Planning & Zoning

IV. CITY DEPARTMENT COMMENTS

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

Zoning

F-1 The proposed window changes comply with zoning.

Code Administration

No comments received.

Transportation and Environmental Services

No comments received.

Alexandria Archaeology

F-1 Archaeological oversight will not be necessary for this undertaking.

V. ATTACHMENTS

1 – Application Materials

2 – Supplemental Materials

BAR Case # _____

ADDRESS OF PROJECT: 117 Quay Street

DISTRICT: ☒ Old & Historic Alexandria ☐ Parker – Gray ☐ 100 Year Old Building

TAX MAP AND PARCEL: 065.03-05-23 ZONING: RM

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: Hans Wechsel

Address: 117 Quay St

City: Alexandria State: VA Zip: 22314

Phone: 406-548-5762 E-mail: hanswechsel1@gmail.com

Authorized Agent (if applicable): ☐ Attorney ☐ Architect ☐ _____

Name: N/A

Phone: _____

E-mail: _____

Legal Property Owner:

Name: Hans and Leslie Wechsel

Address: 117 Quay St.

City: Alexandria State: VA Zip: 22314

Phone: 406-548-5762 E-mail: hanswechsel1@gmail.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.*

☐ awning

☐ fence, gate or garden wall

☐ HVAC equipment

☐ shutters

☐ doors

☒ windows

☐ siding

☐ shed

☐ lighting

☐ pergola/trellis

☐ painting unpainted masonry

☐ other _____

☐ ADDITION

☐ DEMOLITION/ENCAPSULATION

☐ SIGNAGE

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

Please see attached description.

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: _____

Printed Name: Hans Wechsel

Date: 4/4/2021

Description of Proposed Work – 117 Quay St Windows Replacement

All the existing windows, as well as the full lite balcony door, would be replaced with Marvin windows and a Marvin full lite door, each one black with horizontal simulated dividers. (See drawings and specs attached separately). The new windows and full lite door would fit the existing openings, with the exceptions of the two windows on either side of the balcony full lite door. These would be extended downward and provide approximately the same length of glass as the full lite door between them. There would be no change to the headers or to the width of those openings. There would be no changes to the existing brick façade around these or any of the windows.

Please note that extending the length of two second-floor, street-facing windows would make this row house *more* consistent with the appearance of most other row houses on Quay. Of the 28 row houses on this block, only two have windows as short as 117 Quay on the front, second level. Most of the homes on Quay have windows there approximately the same length of those we propose to install, including the home adjacent to ours at 119 Quay and the home directly across the street at 116 Quay (photos attached).

As for the window design we propose for the second level, it is the same casement over awning design that exists at 110 Quay (photo attached). Our proposed simulated divider pattern is different from those, but there are at least six different divider/grid patterns on this one block – including no dividers/grids at all, such as at 101 Quay (photo attached). The same style of horizontal simulated dividers we propose does exist on the next block (100 block of Princess Street) and on several other properties in Old Town.

In sum, the length of the second-floor window we propose is what most of the homes on this block have. There are several different window designs on our block already, a few of which are much more different from original designs than ours would be, including radically different designs at 106 Quay and 100 Quay (attached).

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. N/A		
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 _____ (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. Hans Wechsel	117 Quay St	50
2. Leslie Wechsel	117 Quay St	50
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. 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.

4/4/21
Date

Hans Wechsel
Printed Name


Signature

117 Quay
existing



117 QUAY STREET Proposed



119 Quay - adjacent

approximately same length as proposed



119

116 Quay - opposite

approximately same length as proposed



116

110 Quay

Proposed design same as these, with different dividers.



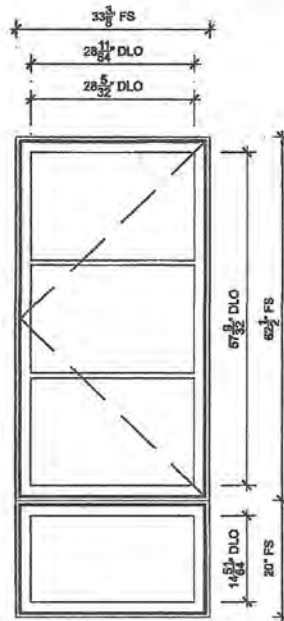
101 Quay





100 Quay





1ST FRONT LH

SCALE: 3/8" = 1'-0"

SPECIFICATIONS

Line #: 1

Qty: 1

Mark Unit: 1st front LH

Product Line: Infinity

Unit Description: Infinity Assembly

Rough Opening: 34 3/8" X 83"

Frame Size: 33 3/8" X 82 1/2"

Sash Opening: 34 3/8" X 83"

Exterior Finish: Ebony

Species: None

Interior Finish: Ebony

Unit Type: [A1] Casement, Left Hand,

[B1] Awning Picture

Call Number: None

Glass Information: IG, Low E2 w/Argon, Stainless

Divider Type: [A1] 7/8" Rectangular SDL W/ Spacer,

[B1] None

Hardware Type: [A1] Folding Handle, No Sash Travel Limiter, Easy Wash Hinges,

[B1] None

Screen Type: [A1] Extruded Screen, [B1] None

Hardware Color: [A1] Matte Black,

[B1] None

Screen Surround Color: [A1] Ebony, [B1] None

Screen Mesh Type: [A1] Charcoal Hi-Transparency Fbrglis Mesh, [B1] None

Jamb Depth: 2 1/4"

Subsill: None

FOR DESIGN INTENT ONLY, NOT FOR MANUFACTURE.



PROJ/JOB: Wechsel, Hans - Infinity / Infinity

DIST/DEALER: WINDOW & DOOR SHOWPLACE-STERLING

DRAWN: SEAN MCCLELLAN

QUOTE#: 2VNZHLR

PK VER: 0003.06.00

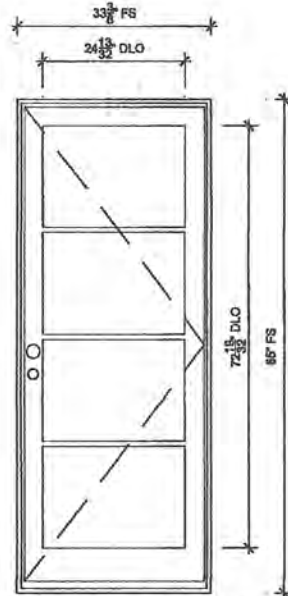
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KITCHEN DOOR

SCALE: 3/8" = 1'-0"

SPECIFICATIONS

Line #: 2

Qty: 1

Mark Unit: kitchen door

Product Line: Elevate

Unit Description: Inswing French Door

Rough Opening: 34 3/8" X 85 1/2"

Frame Size: 33 3/8" X 85"

Sash Opening: 34 3/8" X 85 1/2"

Exterior Finish: Ebony

Species: None

Interior Finish: Painted Interior Finish - Designer Black

Unit Type: Inswing French Door, X, Right Hand

Call Number: None

Glass Information: IG, Tempered Low E2 w/Argon, Stainless

Divider Type: 7/8" Rectangular SDL W/ Spacer - Stainless

Hardware Type: Northfield, Multi-Point Lock, Adjustable Hinges

Screen Type: No Screen

Hardware Color: Matte Black, Ebony

Screen Surround Color: None

Screen Mesh Type: None

Jamb Depth: Painted Interior Finish - Designer Black, Custom, 5 9/16"

Subsill: None

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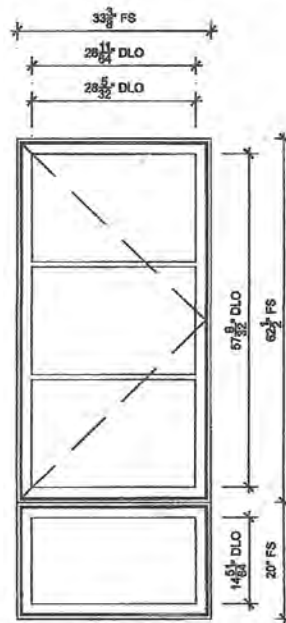
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1ST FRONT RH

SCALE: 3/8" = 1'-0"

SPECIFICATIONS

Line #: 3

Qty: 1

Mark Unit: 1st front RH

Product Line: Infinity

Unit Description: Infinity Assembly

Rough Opening: 34 3/8" X 83"

Frame Size: 33 3/8" X 82 1/2"

Sash Opening: 34 3/8" X 83"

Exterior Finish: Ebony

Species: None

Interior Finish: Ebony

Unit Type: [A1] Casement, Right Hand,

[B1] Awning Picture

Call Number: None

Glass Information: IG, Low E2 w/Argon, Stainless

Divider Type: [A1] 7/8" Rectangular SDL W/ Spacer,

[B1] None

Hardware Type: [A1] Folding Handle, No Sash Travel Limiter, Easy Wash Hinges,

[B1] None

Screen Type: [A1] Extruded Screen, [B1] None

Hardware Color: [A1] Matte Black,

[B1] None

Screen Surround Color: [A1] Ebony, [B1] None

Screen Mesh Type: [A1] Charcoal Hi-Transparency Fbrgl's Mesh, [B1] None

Jamb Depth: 2 1/4"

Subsill: None

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DRAWN: SEAN MCCLELLAN

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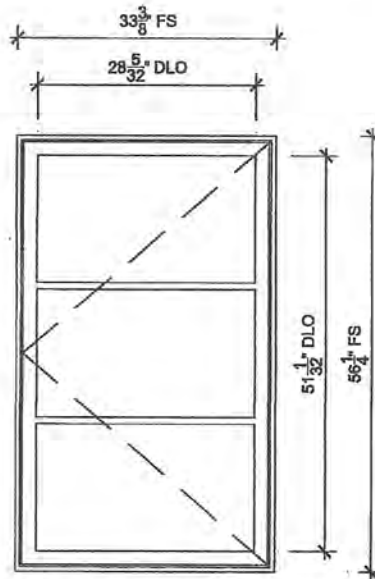
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2ND FRONT LH

SCALE: 1/2" = 1'-0"

SPECIFICATIONS

Line #: 4

Qty: 1

Mark Unit: 2nd front LH

Product Line: Infinity

Unit Description: Casement

Rough Opening: 34 3/8" X 56 3/4"

Frame Size: 33 3/8" X 56 1/4"

Sash Opening: 34 3/8" X 56 3/4"

Exterior Finish: Ebony

Species: None

Interior Finish: Ebony

Unit Type: Casement, Left Hand

Call Number: None

Glass Information: IG, Low E2 w/Argon, Stainless

Divider Type: 7/8" Rectangular SDL W/ Spacer

Hardware Type: Folding Handle, No Sash Travel Limiter, Easy Wash Hinges

Screen Type: Extruded Screen

Hardware Color: Matte Black

Screen Surround Color: Ebony

Screen Mesh Type: Charcoal Hi-Transparency Fbrgls Mesh

Jamb Depth: 2 1/4"

Subsill: None

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PROJ/JOB: Wechsel, Hans - Infinity / Infinity

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DRAWN: SEAN MCCLELLAN

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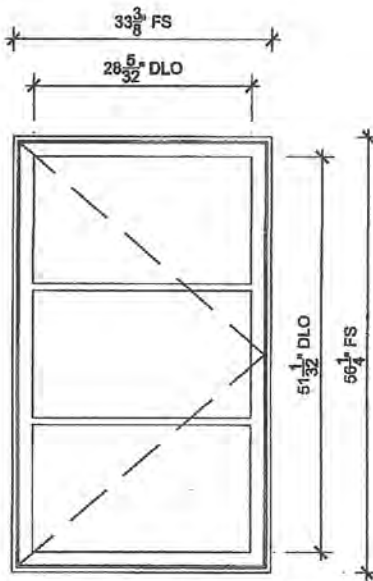
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2ND FRONT RH
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

Line #: 6

Qty: 1

Mark Unit: 2nd front RH

Product Line: Infinity

Unit Description: Casement

Rough Opening: 34 3/8" X 56 3/4"

Frame Size: 33 3/8" X 56 1/4"

Sash Opening: 34 3/8" X 56 3/4"

Exterior Finish: Ebony

Species: None

Interior Finish: Ebony

Unit Type: Casement, Right Hand

Call Number: None

Glass Information: IG, Low E2 w/Argon, Stainless

Divider Type: 7/8" Rectangular SDL W/ Spacer

Hardware Type: Folding Handle, No Sash Travel Limiter, Easy Wash Hinges

Screen Type: Extruded Screen

Hardware Color: Matte Black

Screen Surround Color: Ebony

Screen Mesh Type: Charcoal Hi-Transparency Fbrgls Mesh

Jamb Depth: 2 1/4"

Subsill: None

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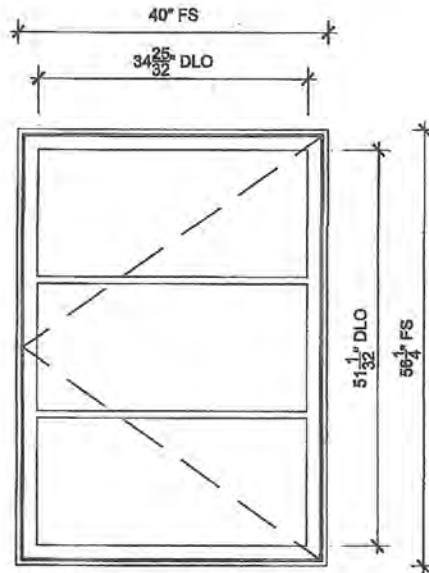
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2ND REAR LH
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

Line #: 7
 Qty: 1
 Mark Unit: 2nd rear LH
 Product Line: Infinity
 Unit Description: Casement
 Rough Opening: 41" X 56 3/4"
 Frame Size: 40" X 56 1/4"
 Sash Opening: 41" X 56 3/4"
 Exterior Finish: Ebony
 Species: None
 Interior Finish: Ebony
 Unit Type: Casement, Left Hand
 Call Number: None
 Glass Information: IG, Low E2 w/Argon, Stainless
 Divider Type: 7/8" Rectangular SDL W/ Spacer
 Hardware Type: Folding Handle, No Sash Travel Limiter, Easy Wash Hinges
 Screen Type: Extruded Screen
 Hardware Color: Matte Black
 Screen Surround Color: Ebony
 Screen Mesh Type: Charcoal Hi-Transparency Fbrgls Mesh
 Jamb Depth: 2 1/4"
 Subsill: None

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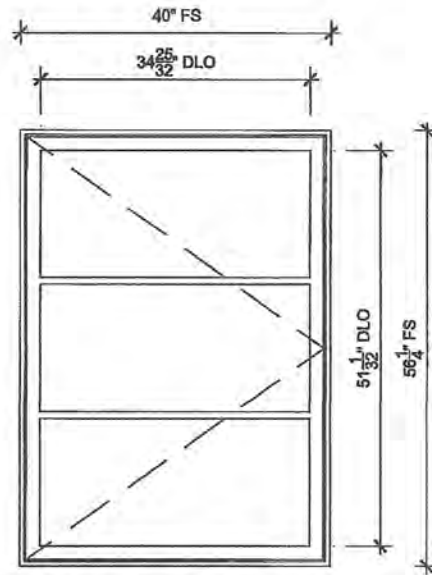
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2ND REAR RH
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

Line #: 8
 Qty: 1
 Mark Unit: 2nd rear RH
 Product Line: Infinity
 Unit Description: Casement
 Rough Opening: 41" X 56 3/4"
 Frame Size: 40" X 56 1/4"
 Sash Opening: 41" X 56 3/4"
 Exterior Finish: Ebony
 Species: None
 Interior Finish: Ebony
 Unit Type: Casement, Right Hand
 Call Number: None
 Glass Information: IG, Low E2 w/Argon, Stainless
 Divider Type: 7/8" Rectangular SDL W/ Spacer
 Hardware Type: Folding Handle, No Sash Travel Limiter, Easy Wash Hinges
 Screen Type: Extruded Screen
 Hardware Color: Matte Black
 Screen Surround Color: Ebony
 Screen Mesh Type: Charcoal Hi-Transparency Fbrgls Mesh
 Jamb Depth: 2 1/4"
 Subsill: None

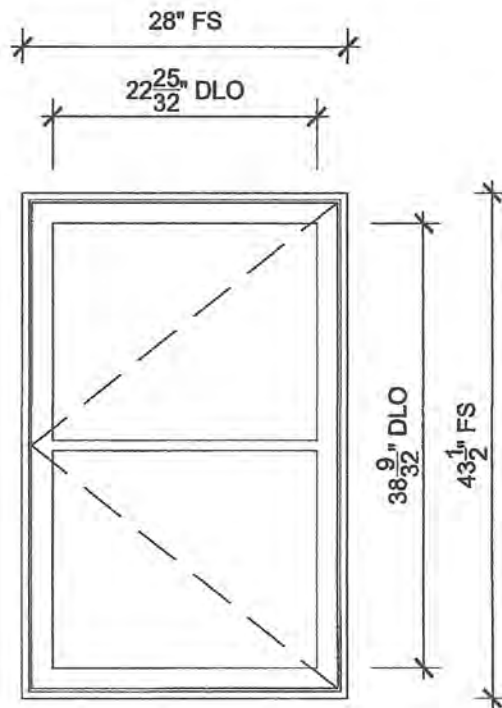
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 DRAWN: SEAN MCCLELLAN
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 OF 9



LL REAR
SCALE: 3/4" = 1'-0"

SPECIFICATIONS

Line #: 9
 Qty: 1
 Mark Unit: LL rear
 Product Line: Infinity
 Unit Description: Casement
 Rough Opening: 29" X 44"
 Frame Size: 28" X 43 1/2"
 Sash Opening: 29" X 44"
 Exterior Finish: Ebony
 Species: None
 Interior Finish: Ebony
 Unit Type: Casement, Left Hand
 Call Number: None
 Glass Information: IG, Low E2 w/Argon, Stainless
 Divider Type: 7/8" Rectangular SDL W/ Spacer
 Hardware Type: Folding Handle, No Sash Travel Limiter, Clear View Hinges
 Screen Type: Extruded Screen
 Hardware Color: Matte Black
 Screen Surround Color: Ebony
 Screen Mesh Type: Charcoal Hi-Transparency Fbrgl's Mesh
 Jamb Depth: 2 1/4"
 Subsill: None

FOR DESIGN INTENT ONLY, NOT FOR MANUFACTURE.



PROJ/JOB: Wechsel, Hans - Infinity / Infinity
 DIST/DEALER: WINDOW & DOOR SHOWPLACE-STERLING
 DRAWN: SEAN MCCLELLAN
 QUOTE#: 2VNZHLR PK VER: 0003.06.00

CREATED: 02/19/2021 REVISION:

SHEET

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OF 9

Infinity Casement, Awning and Picture

Unit Features

Infinity Casement: NCA

Infinity Awning: NAWN

Infinity Casement Picture: NCAP

Ultrex® Pultruded Fiberglass Frame:

- Frame thickness: 1 5/16" (33)
- Frame depth: 2 5/32" (55)
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze, Ebony
- Interior colors: Stone White, Sierra, Bronze, Ebony, EverWood™

Ultrex® Pultruded Fiberglass Sash:

- Sash thickness: 1 3/8" (35)
- Operating sash is removable for cleaning
- Sash are replaceable but cannot be re-glazed
- Exterior colors: Stone White, Sierra, Cashmere, Pebble Gray, Bahama Brown, Bronze, Ebony
- Interior colors: Stone White, Sierra, Bronze, Ebony, EverWood™

Casement Hardware:

- Lock and keeper:
 - Multi-point locking mechanism that is actuated from a single point of operation. Lock mechanisms are concealed with only the actuator handle and escutcheon being visible to the interior. Keepers are mounted to the interior face of the sash and interlocks within concealed lock when actuated.
- Operator:
 - Concealed hinges with stainless steel tracks
 - Snubber: pulls the sash tight to the frame and provides positive engagement to secure the sash under structural load conditions
 - Dual arm roto-gear operator on units 24 3/8" (619) wide frame size and over
 - Split-arm roto-gear operator used on units less than 24 3/8" (619) wide
- Handle:
 - Die-cast folding crank handle
- Factory installed Window Opening Control Device (WOCD):
 - Minimum Frame OSM 18 5/32" (461) x 17 3/8" (441)
 - Maximum Frame OSM 40" (1016) x 60" (1524) or 36" (914) x 86" (2184)
 - WOCD locking assembly:
 - Factory installed
 - Die-cast
 - Color: White, Satin Taupe, Sierra, Oil-Rubbed Bronze, Matte Black
 - WOCD tether assembly: factory installed, glass filled nylon
 - Color: E-Gard color match
- Optional field or factory applied Sash Limiter - 3" Travel is available (min size: 26" (660) x 17 3/8" (441) - max size: 40" (1016) x 60" (1524) or 36" (914) x 86" (2184)). Custodial and Non-Custodial options are available. Units with sash limiters do not meet egress criteria.

Awning Hardware:

- Lock and keeper:
 - Cam lock and stainless steel keeper system
- Operator:
 - Concealed hinges and steel tracks
 - Factory installed roto-gear operator
- Handle:
 - Die-cast folding crank handle
- Sash Limiter - 4" Net Clear Opening
 - Factory installed or field applied

Infinity Casement, Awning and Picture

Unit Features:

Weather Strip:

- Frame:
 - Extruded foam bulb weather strip that runs around the perimeter of the frame sealing against the interior face of the sash
 - Color: black
- Sash:
 - Extruded thermoplastic bulb that attaches to a kerf around the top, bottom and sides of the sash; sealing against the inner perimeter of the frame
 - Color: beige or black
 - Black is for Bahama Brown, Ebony, and Bronze exterior units

Insect Screens:

- Full screen
- Extruded aluminum frame, 0.035" (89) wall thickness. Corners are mitered and joined with internal corner keys, which are not visible.
- Color: Stone White, Satin Taupe, Sierra, Bronze, Ebony, EverWood™
- Standard screen mesh material: charcoal fiberglass
 - Optional screen mesh material: high transparency

Glass:

- Glazing seal: silicone bedding on interior and exterior
- Standard glass: Low E2 with Argon or air
- Optional glazing available: Low E1 with Argon or air, Low E3 with Argon or air, or Low E3/ERS with Argon or air, tempered, obscure
- Decorative glass options include Glue Chip, Rain, Reed, Narrow Reed, or Frost
- Decorative glass is not available with Low E1, Low E3/ERS, or STC/OITC
- Rain, Reed and Narrow Reed not available with SDL
- SDL available on Frost, annealed or tempered glass
- SDL available on Glue Chip, tempered glass required
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
- Argon gas is not available for elevations that require capillary tubes

Simulated Divided Lites (SDL):

- 7/8" (22) or 1 1/8" (29) SDL bar (interior and exterior)
- 2 11/32" (30) simulated rail only (interior and exterior)
- Exterior color: matched to unit exterior
- Interior color: matched to interior
- Pattern: equal rectangular, cottage, prairie, check rail and oriel

Gilles-Between-the-Glass (GBG):

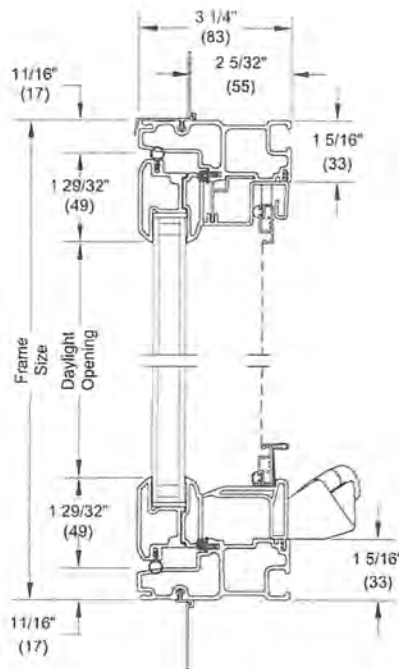
- 23/32" (18) or 1" (25) contoured aluminum bar
- Exterior: Default is color-matched to exterior and interior colors. Customer selected option for other colors.
- The exterior GBG color is designed to best match the unit exterior color when used with Low E glass. The use of different types of glazing options may alter the exterior GBG color appearance.
- Interior color: White, Satin Taupe, Sierra, Bronze and Ebony
- Pattern: equal rectangular, cottage, prairie, check rail and oriel

NOTE: GBG may not be available or may require tempered glass if the glass size is greater than 16 square feet or if the short side dimension is greater than 48". Please contact your local Infinity Retailer or Infinity Support at 800-372-1072 to determine if GBG is available for glass sizes exceeding these dimensions.

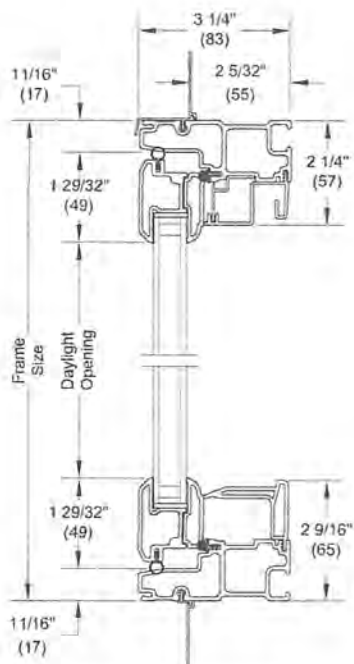
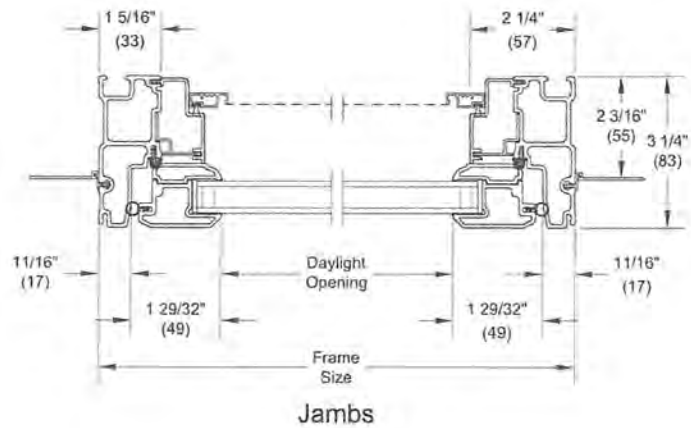
Infinity Casement, Awning and Picture

Section Details: Operating and Picture

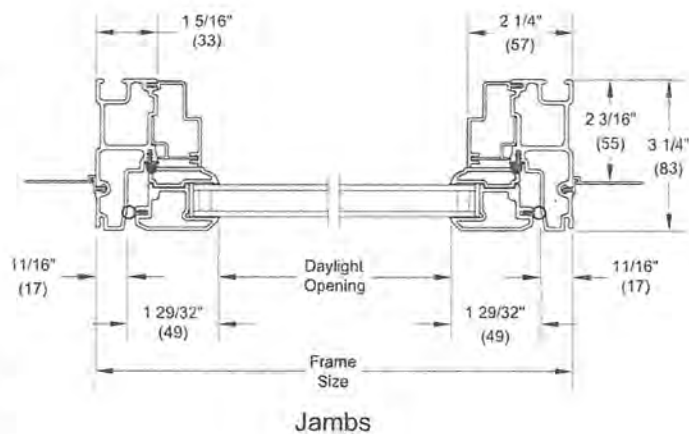
Scale: 3" = 1' 0"



Head Jamb and Sill



Head Jamb and Sill



Unit Features

Elevate Inswing French Door: ELIFD

Elevate Inswing French Door Direct Glaze Transom: ELIFDDGTR

Elevate Inswing French Door IZ3: ELIFD IZ3

For applicable certification and code information, refer to the Introduction and Product Performance chapter.

Frame and Sash:

- The frame and sash exteriors are made of Ultrex®, an advanced fiberglass reinforced pultrusion material that is resistant to thermal conductance.
- Exterior colors: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony. Frame and sash color may be selected independently.
- The interior is non finger-jointed pine, kiln-dried to a moisture content 6-12% at time of fabrication. Water repellent, preservative treated. Interior wood is available as Pine bare wood or factory-applied white, clear, and designer black interior finishes. Frame and sash color may be selected independently.

Frame:

- Frame thickness is 1 5/16" (33). Frame width of 4 9/16" (116). The sill is Ultrex with a cellular PVC interior sill liner. 4/4 non finger-jointed pine interior stop is applied to all units. Ultrex is .080" (2) thick.
- 6 9/16" (167) jamb depth available

Panel:

- Composite sash thickness is 1 3/4" (44), stiles and top rails 3 5/8" (92), bottom rail width 6" (152) Ultrex is .110" (3) thick.

Jamb Extension:

- Extension Thickness: 9/16" (14)
- Multiple depths available from 1/8" (3), 1/4" (6), and depths varying between 1/2" (13) and 4" (102) at 1/16" (2) increments
- Maximum jamb depth is 8 9/16" (217).
- 6 13/16" (173) jamb extension - factory-applied
- All other jamb depth options are available shipped loose.
- Material: Bare Pine
- Option: factory applied white, designer black and clear lacquer interior finish

Hardware:

- Multi-point lock, latch, and deadbolt assembly included with each door.
- Handle has a standard deadbolt and a top and bottom shoot bolts operated by handle set.
- Handle Sets
 - Handle Set: Interior and exterior selected separately.
 - Standard finish is Almond Frost. Optional White, Bright Brass PVD, Oil Rubbed Bronze PVD, Satin Nickel PVD, and Matte Black finishes.
- Standard locking system strike plate will be stainless steel, with an optional brass strike on "X" doors.
- Hinges contain both a horizontal, vertical adjustment feature, and non-removable pin.
 - Three hinges are used on all units.
 - Hinges will be White, Dark Brown, Evergreen, Pebble Gray, Ebony, or Cashmere to match the exterior of the frame.
 - Coastal brass, Oil Rubbed Bronze, or coastal satin nickel hinges with brass substrates.
 - Hinge kits are available in Gold, Grey, White, Dark Brown, and Ebony finishes.
- Keyed alike option is available.

Installation:

- Factory applied folding nailing fin and drip cap system.
- Optional installation brackets for masonry available.
- Factory-supplied field mulling kits are available for standard assemblies.
- IZ3 glazed units require installation clips.

Unit Features Continued**Glazing:**

- Dual-pane units are manufactured with 3/4" (19) Tempered IG with Low E1, E2, E3, or E3/ERS coatings including argon gas or air fill. Clear (uncoated) glass is available with air fill only. Obscure glass is available as an option.
- The glazing seal is a silicone bedding on both interior and exterior surfaces utilized in a sandwich style sash.
- STC/OITC values are available for 3.1mm glass thickness.
 - Optional 3.1/4/7 STC/OITC upgrade glass is available. See the Product Performance chapter for STC and OITC ratings.
- Decorative Glass options include glue chip, frost, and tinted (bronze, gray or green). Decorative glass is not available with Low E1, Low E3/ERS or STC/OITC Upgrade options.

IZ3 Glazing:

- Optional IZ3 available on selected sizes. IZ3 for winds up to 140 miles per hour.
- Glass is laminated, insulated Low E2 or E3 Argon, consisting of annealed or tempered glass exterior and laminated glass interior.
- The laminated glass is comprised of two pieces of glass with either an SGP or PVB laminate layer between.
- Interior and exterior glazing compound is silicone, in a sandwich style glazing system.

Weather Strip:

- All weather strip is black in color (not including the sill).
- All units are constructed with two weather strip at all jamb/panel perimeter joints.
- Jambs, head jamb, astragal, and mull post utilize a dual bulb type weather strip
- Sill weather strip to seal against the bottom rail, and will be black or beige depending on sill color.

Interior/Exterior Simulated Divided Lites (SDL):

- Interior bar: 7/8" (22) wide bars. Pine bare wood with optional white, clear, or designer black interior finishes.
- Exterior bar: Ultrex, 7/8" (22) wide bars, finish to match exterior.
 - Pattern: Standard rectangular pattern, 6 or 9 lite Prairie cut, 6-lite Prairie cut on transom or Cottage style cut.
- Simulated check rail option: 2 11/32" (60).
 - Patterns available: simulated rail in standard center or customer specified location with 7/8" pattern above, below, or both in pattern of rectangular equal lite or Prairie lite cut.
 - IZ3 glazing and tinted glass available without spacer bar only.

Grilles-Between-The-Glass (GBG):

- 23/32" (18) contoured aluminum bar placed between two panes of glass.
- Pattern: Standard rectangular pattern, 6 or 9 lite Prairie cut, or Cottage style cut, or 6-lite Prairie cut on transom.
- Exterior color options: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony.
- Interior Colors: White, Bronze, or Black.
- GBGs are not available on IZ3 glazing or tinted glass.

Exterior Casing:

- Non-integral to the unit.
- Fastened to the exterior wall with barb and kerf 2" (51) brick mould available as a head and jamb surround.
- 3 1/2" (89) flat casing available as a head and jamb surround.
- Also available with 1" (25) ranch style header overhang.

NOTE: NFRC Values are now located on www.marvin.com

Section Details: Standard - 4 9/16" Jamb - X - Operator

Scale: 3" = 1' 0"

