



## City of Franklin

**Mailing Address:**  
109 3<sup>rd</sup> Ave S  
Franklin, TN 37064  
(615) 791-3217

### Meeting Agenda

#### Design Review Committee

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**Monday, June 15, 2026**

**4:00 PM**

**Eastern Flank Event Facility**

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Notice is hereby given that a meeting of the Design Review Committee will be held on the date and time listed above. You may call 615.791.3212 for additional information. For accommodations due to disabilities or other special arrangements, please contact the Human Resources Department at 615.791.3216 at least 24 hours prior to the meeting. The typical process for discussing an item in this meeting setting is as follows: 1. Applicant / staff presentation, and 2. DRC comments. Accommodations have been made to ensure that the public is able to view the meeting. The public may view the meeting in the following ways: • Watch the meeting on FranklinTV or the City of Franklin website. • Watch the live stream through the City of Franklin Facebook and YouTube accounts. • Attend in person at the meeting location.

#### CALL TO ORDER

#### APPLICATIONS

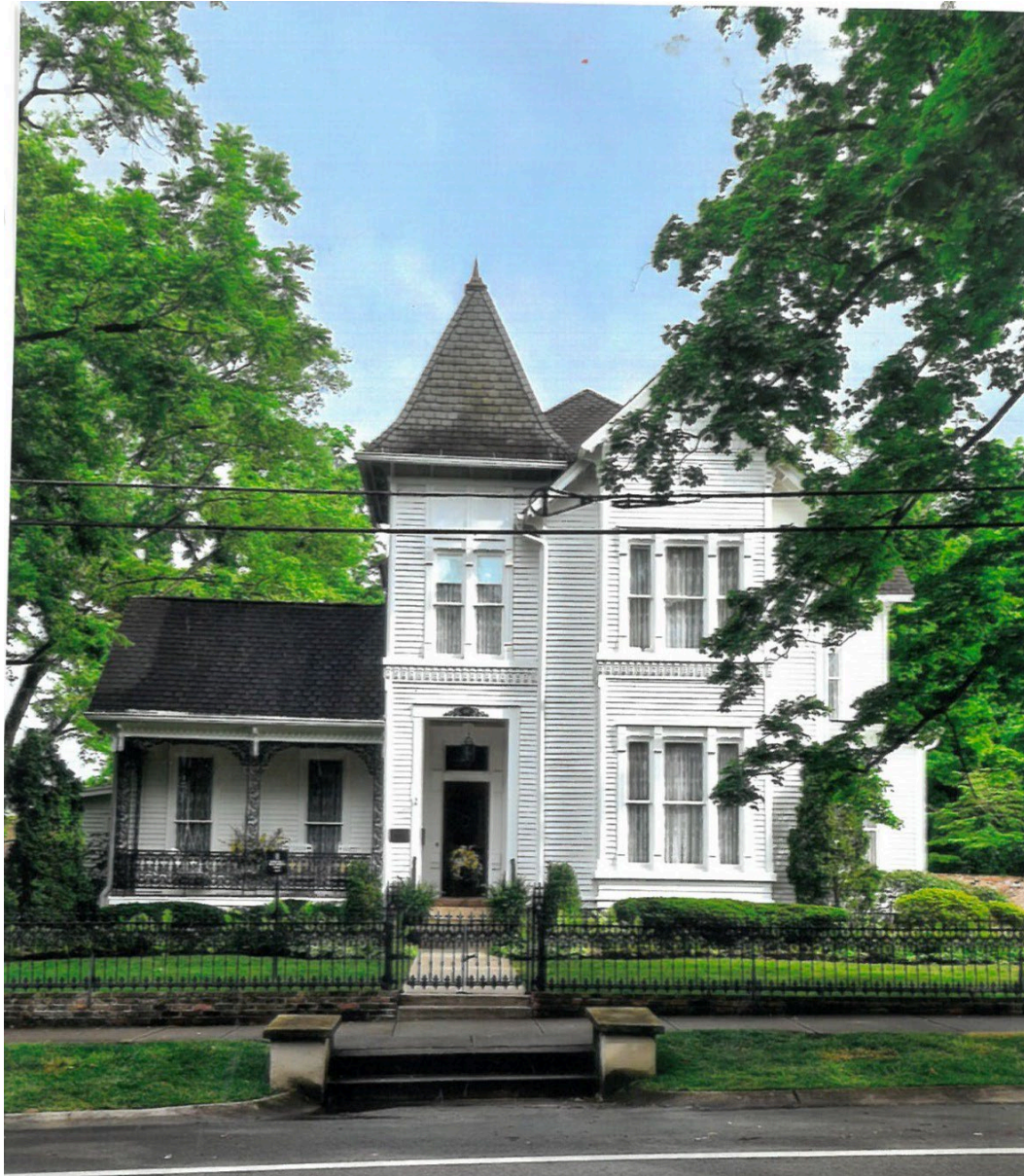
1. Discussion Of Rear Window And Door Alterations At 819 W. Main St.; Candie Westbrook, Applicant.
2. Discussion Of Installation Of An Awning And Fence Barrier At 412 Main St.; Cam Goodwin, Applicant.
3. Discussion Of Principal Building Alterations At 157 4th Ave. S. (Dan German Building); Dave Crouthamel, Applicant.
4. Discussion Of Alterations To Previously Approved COA (Principal Building) At 1309 Adams St.; Ben McCreary, Applicant.
5. Discussion Of Site Alterations, Principal Building Alterations, And New Construction (Accessory) At 1010 Fair St.; Ben McCreary, Applicant.
6. Discussion Of Sign Alterations At 214 E. Main St.; Katie Britt, Applicant.
7. Discussion Of Partial Demolition and Addition (Principal) and New Construction (Accessory Structures) At 109 Everbright Ave.; Asher Paxton, Applicant.
8. Discussion Of Demolition (Accessory Structure) and New Construction Of An Addition (Principal Building) At 234 4th Ave. N.; Brandon Priddy, Applicant.

9. Discussion Of Partial Demolition (Principal) And New Construction (Addition) At 132 3rd Ave. S.; Michael Hathaway, Applicant.
10. Discussion Of A Retroactive Demolition (Accessory) At 1303 Adams St.; Brandon Priddy, Applicant

**ADJOURN**

Anyone needing accommodations due to disabilities please contact the ADA Coordinator at 615-791-3277 at least 24 hours prior to the meeting.





# **819 W. MAIN ST.**

**DRC SUBMITTAL**

# **PROPOSED ALTERATION: REPLACEMENT OF REAR NON-HISTORIC SLIDING DOORS AND TRANSOM**

- **OPTION A: ORIGINAL  
PLANS SUBMITTED FOR  
ADMINISTRATIVE COA**
- **OPTION B: PLANS  
MEETING THE CONDITIONS  
OF APPROVAL OF THE  
ADMINISTRATIVE COA**
- **SIDING INFILL**



# Existing house



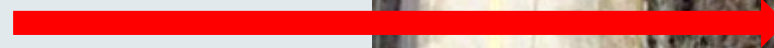
Photo of existing house



# AERIAL OF THE PROPERTY

## LOCATION OF ALTERATIONS:

- REAR NON-HISTORIC ENCLOSED CARPORT





**STREET VIEW PHOTOS OF THE PROPERTY**



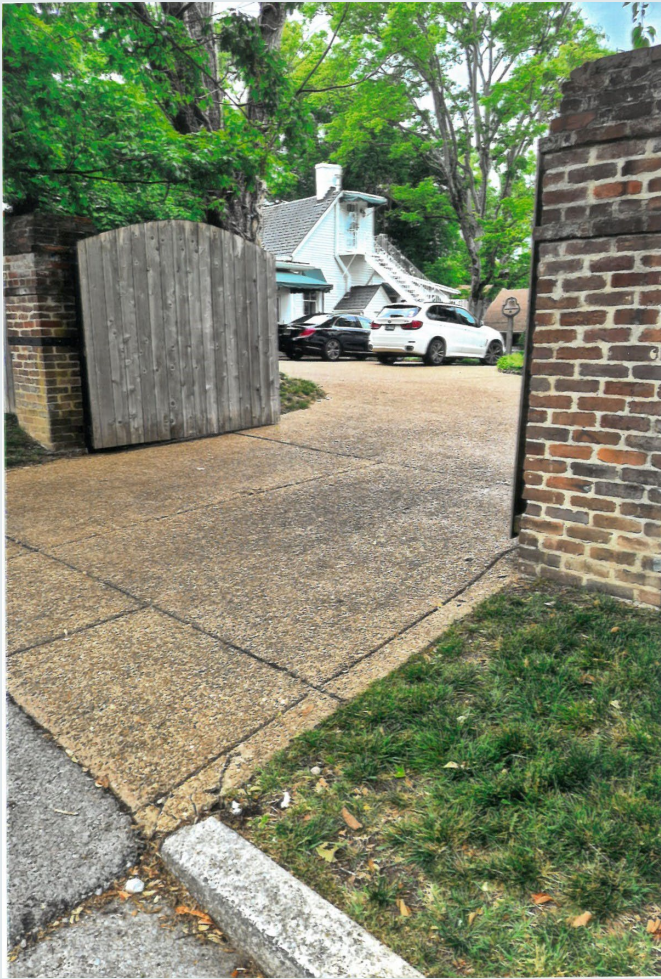


**STREET VIEW PHOTOS OF THE PROPERTY**





**STREET VIEW PHOTOS OF THE PROPERTY**





## EXISTING DOOR ON BUILDING





# Rear of House





# Rear Doors Proposed to be replaced





# Rear Right Side Doors Proposed to be replaced





# Rear Left Elevation Doors proposed to be replaced with windows and siding infill









































































TRAVIS TAYLOR

QUOTE BY : TRAVIS TAYLOR

SOLD TO : Caldwell and Associates

PO# :

Ship Via : Ground

U-Factor Weighted Average: 0.3

Volume: 152.98

QUOTE # : JW260400JDD - Version 0

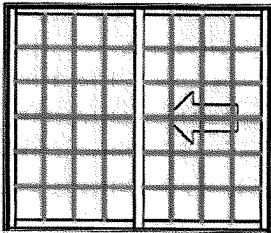
SHIP TO :

PROJECT NAME: 819 W Main St Franklin (SDL)

REFERENCE :

SHGC Weighted Average: 0.16

Weight: 1371.70

| LINE   | LOCATION<br>SIZE INFO                                                             | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 1 |                                                                                   | Frame Size : 95 1/4 X 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |     |                   |
|        | Rough Opening : 96 X 81 1/2                                                       | Siteline Clad Sliding Patio Door, Auralast Pine,<br>Stationary-O / Left-X, Narrow Stile, HYDROLOCK Sill, Black Sill,<br>Brilliant White Exterior,<br>Clear Panel/Frame,<br>Primed Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb,<br>US National-WDMA/ASTM, PG 40,<br>HP-InterLock,<br>White Hardware, Keyed Alike, Harleston<br>Multi-Point                                                                                                                                                                       |                   |     |                   |
|        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |     |                   |
|        | Viewed from Exterior. Scale: 1/2" = 1'                                            | Insulated SunResist Tempered Glass, Protective Film, Black Spacer, Argon<br>Filled, Traditional Glz Bd,<br>Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR,<br>Silver Shadow Bar, Colonial All Lite(s) 4 Wide 6 High<br>No Screen, , No Screen Prep,<br>Assembled,<br>IGThick=0.761(5/32 / 5/32), Clear Opening:40w, 77.1h, 21.4 sf,*Meets 5.7<br>sqft Egress (All Floors)*, .<br>U-Factor: 0.30, SHGC: 0.16, VLT: 0.36, Energy Rating: 10.00, CPD: JEL-N-<br>820-04675-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW |                   |     |                   |
|        |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$9,675.52        | 1   | \$9,675.52        |

cust-19005

Page 1 of 4 (Prices are subject to change.) JW260400JDD (Ver:0) - 04/24/2026 9:38 AM

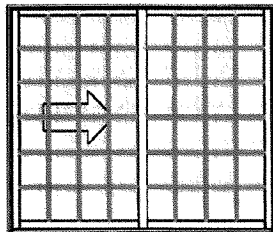
Quote Date: 04/22/2026

Drawings are for visual reference only and may not be to exact scale.  
All orders are subject to review by JELD-WEN

Last Modified: 04/24/2026

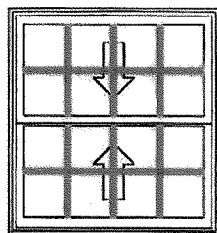


| LINE   | LOCATION<br>SIZE INFO       | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 2 | Rough Opening : 96 X 81 1/2 | <p>Frame Size : 95 1/4 X 81</p> <p>Siteline Clad Sliding Patio Door, Auralast Pine,<br/>Right-X / Stationary-O, Narrow Stile, HYDROLOCK Sill, Black Sill,<br/>Brilliant White Exterior,<br/>Clear Panel/Frame,<br/>Primed Interior,<br/>Nail Fin (Standard), Color Match Metal DripCap,<br/>4 9/16 Jamb,<br/>US National-WDMA/ASTM, PG 40,<br/>HP-InterLock,<br/>White Hardware, Keyed Alike, Harleston<br/>Multi-Point</p> <p>Insulated SunResist Tempered Glass, Protective Film, Black Spacer, Argon<br/>Filled, Traditional Glz Bd,<br/>Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR,<br/>Silver Shadow Bar, Colonial All Lite(s) 4 Wide 6 High<br/>BetterVue Mesh Heavy Duty Bottom Rolling Extruded Screen , Brilliant<br/>White Screen,<br/>Assembled,<br/>IGThick=0.761(5/32 / 5/32), Clear Opening:40w, 77.1h, 21.4 sf,*Meets 5.7<br/>sqft Egress (All Floors)*, .<br/>U-Factor: 0.30, SHGC: 0.16, VLT: 0.36, Energy Rating: 10.00, CPD: JEL-N-<br/>820-04675-00001<br/>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW</p> | \$10,178.50       | 1   | \$10,178.50       |



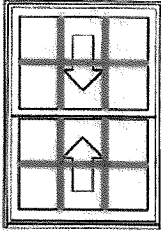
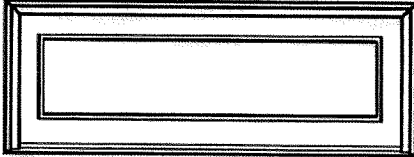
Viewed from Exterior. Scale: 1/2" = 1'

|        |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |   |            |
|--------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------------|
| Line 3 | Rough Opening : 46 1/8 X 50 | <p>Frame Size : 45 3/8 X 49 1/4</p> <p>Siteline Clad Double Hung, Auralast Pine,<br/>Brilliant White Exterior,<br/>Natural Interior,<br/>Nail Fin (Standard), Color Match Metal DripCap,<br/>4 9/16 Jamb,<br/>Standard Double Hung, White Jambliner, Concealed Jambliner<br/>White Hardware, ,Recessed Sash Lock,<br/>US National-WDMA/ASTM, PG 35,<br/>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br/>Filled, Traditional Glz Bd,<br/>Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR,<br/>Light Bronze Shadow Bar, Colonial All Lite(s) 4 Wide 2 High Top, 4 Wide 2<br/>High Btm,<br/>BetterVue Mesh Brilliant White Screen,<br/>*Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear Opening:41.6w, 21h, 6<br/>sf,*Does not meet typical state code egress requirements but local codes may<br/>vary*, .<br/>U-Factor: 0.30, SHGC: 0.16, VLT: 0.36, Energy Rating: 11.00, CPD: JEL-N-<br/>880-06764-00001<br/>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW</p> | \$2,473.20 | 2 | \$4,946.40 |
|--------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------------|

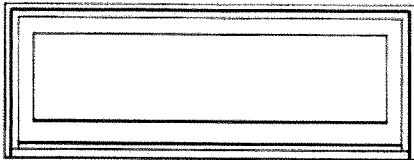


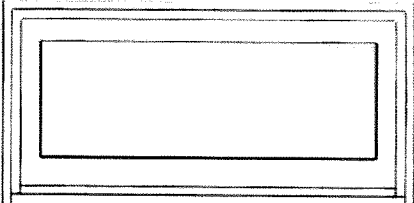
Viewed from Exterior. Scale: 1/2" = 1'



| LINE   | LOCATION<br>SIZE INFO           | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 4 | Rough Opening : 35 X 50         |  <p> Frame Size : 34 1/4 X 49 1/4<br/> Siteline Clad Double Hung, Auralast Pine,<br/> Brilliant White Exterior,<br/> Natural Interior,<br/> Nail Fin (Standard), Color Match Metal DripCap,<br/> 4 9/16 Jamb,<br/> Standard Double Hung, White Jambliner, Concealed Jambliner<br/> White Hardware, Recessed Sash Lock,<br/> US National-WDMA/ASTM, PG 35,<br/> Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br/> Filled, Traditional Glz Bd,<br/> Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR,<br/> Light Bronze Shadow Bar, Colonial All Lite(s) 3 Wide 2 High Top, 3 Wide 2<br/> High Btm,<br/> BetterVue Mesh Brilliant White Screen,<br/> *Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), Clear<br/> Opening:30.5w, 21h, 4.4 sf,*Does not meet typical state code egress<br/> requirements but local codes may vary*,<br/> U-Factor: 0.30, SHGC: 0.16, VLT: 0.36, Energy Rating: 11.00, CPD: JEL-N-<br/> 880-06764-00001<br/> PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW </p> | \$2,244.44        | 2   | \$4,488.88        |
| Line 5 | Rough Opening : 46 7/8 X 17 3/4 |  <p> Frame Size : 46 1/8 X 17<br/> Siteline Clad Fixed Auralast Pine,<br/> Insash Sliding Patio Door Product, Transom<br/> Narrow Stile,<br/> Brilliant White Exterior,<br/> Primed Interior,<br/> Nail Fin (Standard), Color Match Metal DripCap,<br/> 4 9/16 Jamb,<br/> US National-WDMA/ASTM, PG 35,<br/> Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br/> Filled, Traditional Glz Bd,<br/> Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR,<br/> Light Bronze Shadow Bar, Uneven 4 Wide 1 High ( 4 Rect Lite )<br/> IGThick=0.761(1/8 / 1/8),<br/> PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW<br/> Drawing Number: A2426J49 </p>                                                                                                                                                                                                                                                                                                                                                          | \$1,948.66        | 4   | \$7,794.64        |



| LINE   | LOCATION<br>SIZE INFO                                                             | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 6 |                                                                                   | Frame Size : 45 3/8 X 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |     |                   |
|        | Rough Opening : 46 1/8 X 17 3/4                                                   | Siteline Double Hung Product, Sash Forward (Transom) Clad Fixed Auralast Pine,<br>Brilliant White Exterior,<br>Natural Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb,<br>US National-WDMA/ASTM, PG 35,<br>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd,<br>Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Uneven 4 Wide 1 High ( 4 Rect Lite )<br>*Custom-Height*, IGThick=0.726(1/8 / 1/8),<br>U-Factor: 0.27, SHGC: 0.17, VLT: 0.38, Energy Rating: 16.00, CPD: JEL-N-883-10638-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW<br>Drawing Number: A2426J55 |                   |     |                   |
|        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |     |                   |
|        | Viewed from Exterior. Scale: 1/2" = 1'                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |     |                   |
|        |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$1,157.07        | 2   | \$2,314.14        |

|        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |   |            |
|--------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------------|
| Line 7 |                                                                                    | Frame Size : 34 1/4 X 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |   |            |
|        | Rough Opening : 35 X 17 3/4                                                        | Siteline Double Hung Product, Sash Forward (Transom) Clad Fixed Auralast Pine,<br>Brilliant White Exterior,<br>Natural Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb,<br>US National-WDMA/ASTM, PG 35,<br>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon Filled, Traditional Glz Bd,<br>Brilliant White SDL, 1 1/8" Bead SDL w/Perm Wood Trad'l. Bead Int BAR, Light Bronze Shadow Bar, Uneven 3 Wide 1 High ( 3 Rect Lite )<br>*Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8),<br>U-Factor: 0.27, SHGC: 0.17, VLT: 0.38, Energy Rating: 16.00, CPD: JEL-N-883-10638-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW<br>Drawing Number: A2426J55 |            |   |            |
|        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |   |            |
|        | Viewed from Exterior. Scale: 1/2" = 1'                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |   |            |
|        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$1,164.50 | 2 | \$2,329.00 |

|                          |             |
|--------------------------|-------------|
| <b>Total:</b>            | \$41,727.08 |
| <b>Tariff Surcharge:</b> | \$163.29    |
| <b>TAX (9.7500%):</b>    | \$4,084.31  |
| <b>Net Total:</b>        | \$45,974.68 |
| <b>Total Units:</b>      | 14          |

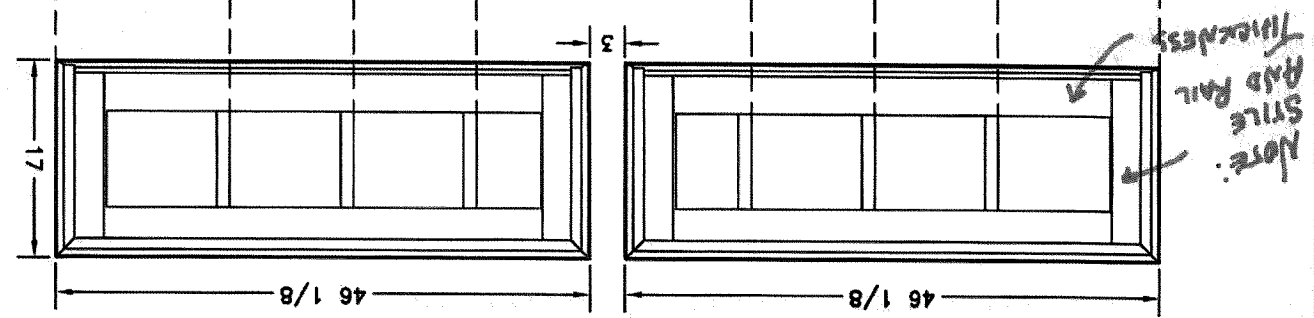


Protect yourself when you choose JELD-WEN Auralast pine products backed by a limited lifetime warranty against wood rot and termite damage.

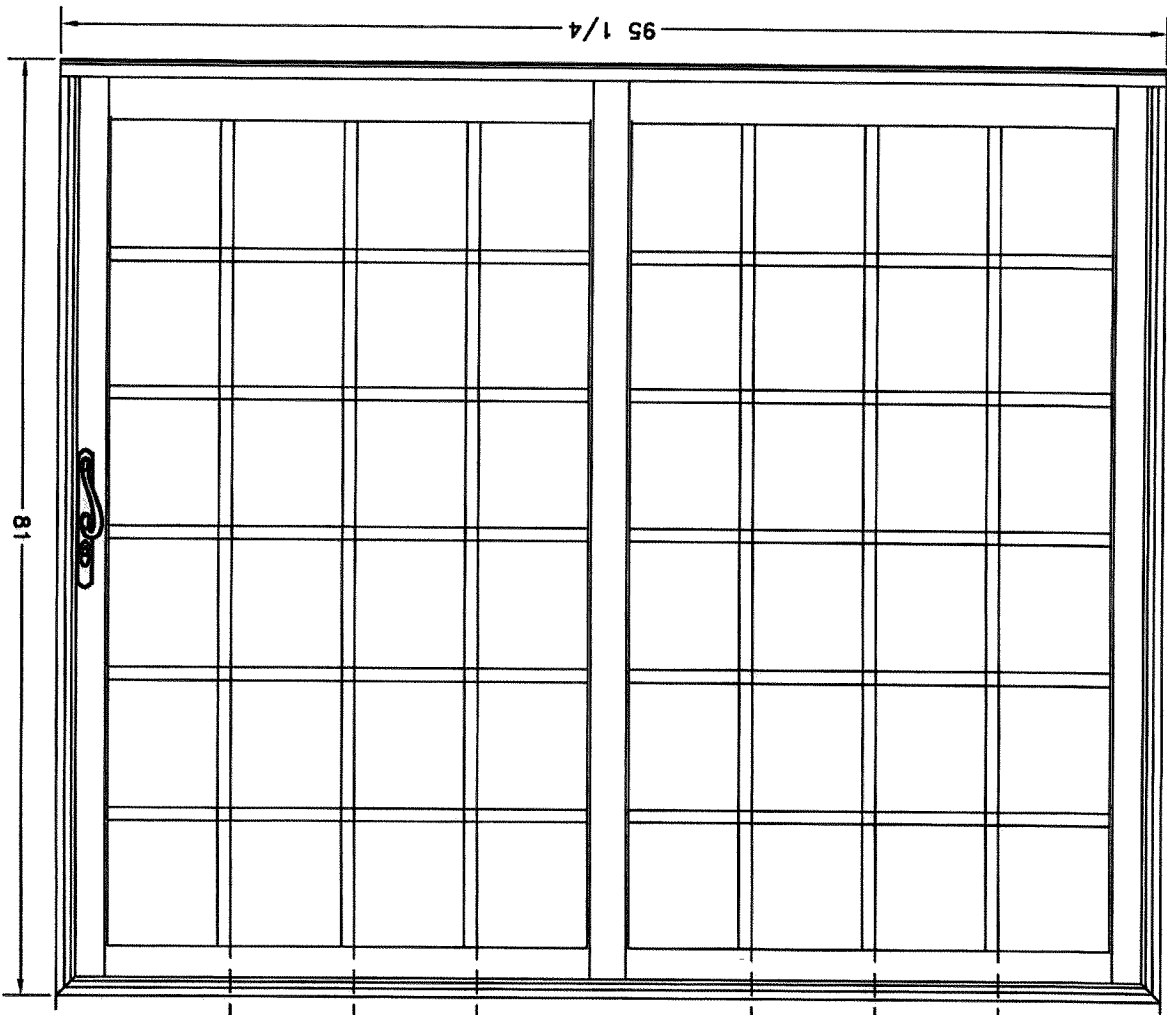


**SPECS:**  
SITE LINE CLAD SLIDING DOOR TRANSOM  
NARROW STYLE  
1 1/8" SDL

**SIGN OFF REQUIRED**  
X



**SPECS:**  
SITE LINE CLAD SLIDING DOOR  
NARROW STYLE  
1 1/8" SDL



|                                                                      |  |                |  |                  |  |                  |  |
|----------------------------------------------------------------------|--|----------------|--|------------------|--|------------------|--|
| DRAWING NO.: A2426J49                                                |  | DATE: 04/24/26 |  | DRAWN FOR: JULIE |  | SCALE: 3/4" = 1' |  |
| DEALER NAME: JELBOWEN®<br>WINDOWS & DOORS<br>PREMIUM CATALOG-HAWKINS |  |                |  | DATE:            |  | REVISION:        |  |
|                                                                      |  |                |  |                  |  | BY:              |  |

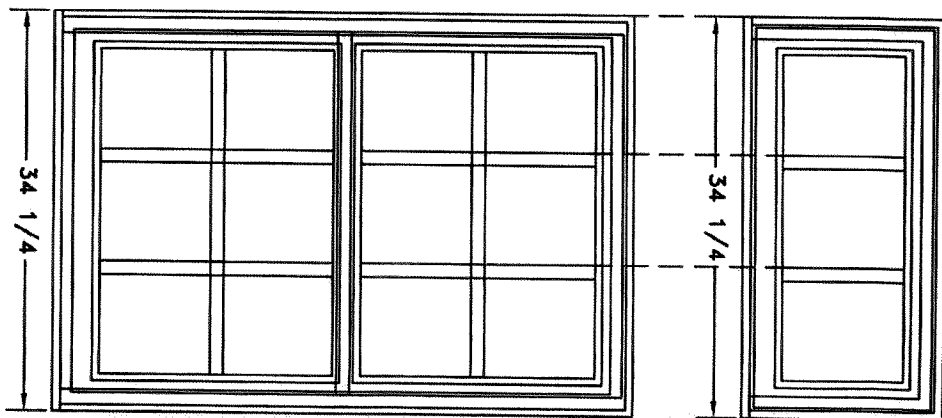
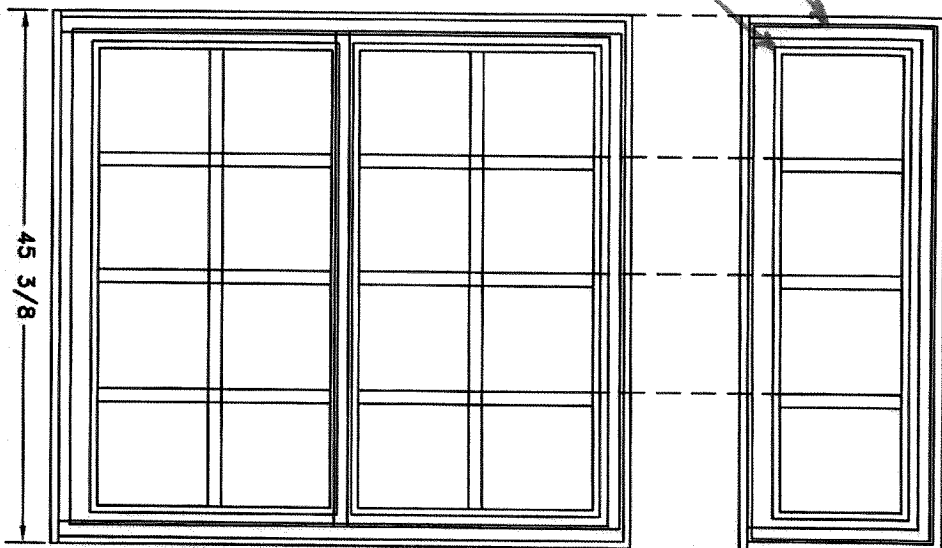
DRAWINGS AND ILLUSTRATIONS ARE PROVIDED FOR REFERENCE ONLY.  
PRODUCT IS MANUFACTURED AS SPECIFIED BY THE CUSTOMER PURCHASE ORDER. APPROVED  
MODIFICATIONS OR UNIQUE APPLICATIONS MUST ALSO BE NOTED ON THE PURCHASE ORDER. IT IS THE  
PURCHASER'S RESPONSIBILITY TO VERIFY THAT ALL ITEMS SPECIFIED ON THE ORDER ARE CORRECT.



**SPECS:**  
**SITELINE CLAD DOUBLE HUNG TRANSOM**  
**1 1/8" SDL**

**SIGN OFF REQUIRED**  
**X**

*Note:*  
 STYLE AND  
 RAIL  
 THICKNESS



**SITELINE CLAD DOUBLE HUNG**  
**1 1/8" SDL**

**JELD-WEN**  
 WINDOWS & DOORS

PREMIUM CATALOG-HAWKINS

DEALER NAME:

DRAWING NO.:

A2426J55

DATE:

04/24/26

DRAWN FOR:

JULIE

SCALE:

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

DRAWINGS AND ILLUSTRATIONS ARE PROVIDED FOR REFERENCE ONLY.  
 PRODUCT IS MANUFACTURED AS SPECIFIED BY THE CUSTOMER PURCHASE ORDER. APPROVED  
 MODIFICATIONS OR UNLATE APPLICATIONS MUST ALSO BE NOTED ON THE PURCHASE ORDER. IT IS THE  
 PURCHASER'S RESPONSIBILITY TO VERIFY THAT ALL ITEMS SPECIFIED ON THE ORDER ARE CORRECT.





## Franklin Historic Zoning Commission Administrative Review Certificate of Appropriateness (COA)

**Address:** 819 W. Main St. (Hincheyville National Register Historic District)  
**Applicant:** Candie Westbrook  
**Owner:** Candie Westbrook  
**Project #:** 9102  
**Type of Work:** Minor Alteration on Rear Facade (Non-Historic Enclosed Carport)

**Status:** Approval with conditions  
See “**Approved Work Specifications**” Below)

**Approval Date:** April 8, 2026  
**Expiration Date:** April 8, 2028 (if work has not commenced)  
**Reviewer:** Elizabeth Bulay

### APPLICATION REQUEST

The applicant is seeking an Administrative Certificate of Appropriateness (COA) for a minor alteration to the rear façade and side façade on the enclosed non-historic carport located at 819 West Main Street. The proposal is to replace the existing aluminum sliding glass doors, windows, and transoms with wood-clad doors, wood windows, and transoms.

The Guidelines allow for administrative approval of the following minor alterations to the rear façade if all recommendations are met:

- Minor alterations to non-historic components on rear or obscured facades of historic or non-historic structures that enhance the compatibility with the context of the individual historic district (examples include rear doors, non-historic window replacement, or similar, but do not include any footprint or roofline alterations).

The nature of the location of the alterations, being on the rear and side façade of a non-historic building that is not readily visible by the public, is appropriate for an administrative review. The Guidelines recommend the following for doors and windows on an addition to a historic residential building:

- Design doors and doorways to read as secondary in appearance and detailing to the historic building.
- Design new windows to be compatible with the size, detailing, placement, rhythm, and relationship of solids to voids of those on the historic building.



- Use windows with historic profiles and dimensions with a double-hung appearance. Use true divided-light (TDL) or simulated divided-light (SDL) windows rather than snap-in muntins or grids between the glass (GBG) styles.
- Design windows to match the historic materials found on the building, but composite materials that have the appearance of wood are appropriate for windows, stops, jambs, and trim.

The request is to replace the existing aluminum sliding glass doors, windows, and transoms with wood-clad doors, wood windows, and transoms on a section of the building that was enclosed and is considered a non-historic addition due to its enclosure.

Lines 1 and 2 within the manufacturer's specifications are the replacement sliding glass doors for the rear elevation. The design features a wood-clad door and utilizes a GBG design. The size of the openings will remain the same. Line 3 includes the specifications for the windows replacing the aluminum doors/windows on the right elevation of the building. The window is a wood-clad double-hung window with an 8-over-8 lite pattern utilizing a GBG design. The two interior windows and transoms on this elevation will be infilled with paneling to match the existing exterior finish of the enclosed area. Line 4 includes the specifications for the window replacing the aluminum door/window on the right elevation(interior) of the enclosed area. The window is a wood-clad double-hung window with a 3-over-3 lite pattern utilizing a GBG design. Lines 5, 6, and 7 are the specifications of the replacement transom windows. The windows are wood-clad and will feature a GBG lite pattern to match the replacement window and doors below them.

The replacement of the doors, windows, and transom, and the infill of the two windows, is appropriate. However, the selected replacement design is not appropriate, as it features a GBG (grill between the glass) design that is not recommended by the Guidelines. The configuration, design, and materiality of the proposed replacement windows and doors are appropriate. Additionally, the infill of the windows and transoms should be detailed so that it is clear that they were previously open.

### **APPLICABLE GUIDELINES**

2022 Historic District Design Guidelines

Chapter 2: Additions to Historic Residential Buildings

### **APPROVED WORK SPECIFICATIONS**

The alterations are **approved** with the following conditions:

1. The windows must utilize a trued divided light (TDL) or simulated divided light (SDL) window profile, and specifications must be submitted to the Preservation Planner for documentation.
2. The windows and transoms that will be infilled must appear as filled-in openings so that change over time is seen on this portion of the building.
3. The application must meet all the requirements of the Building & Neighborhood Services Department prior to work commencing.
4. Any changes to the approved plans must be returned to the Preservation Planner for review and approval.

**Emily Huffer | Preservation Planner**

Planning & Sustainability Department

City of Franklin, Tennessee

615.550.6795





TRAVIS TAYLOR

QUOTE BY : TRAVIS TAYLOR

SOLD TO : Caldwell and Associates

PO# :

Ship Via : Ground

U-Factor Weighted Average: 0.31

Volume: 117.50

QUOTE # : JW260100H06 - Version 0

SHIP TO :

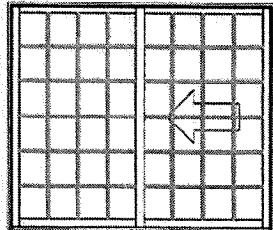
PROJECT NAME: 819 W Main St Franklin

REFERENCE :

SHGC Weighted Average: 0.18

Weight: 1395.48

| LINE   | LOCATION<br>SIZE INFO       | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 1 |                             | Frame Size : 95 1/4 X 81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |     |                   |
|        | Rough Opening : 96 X 81 1/2 | Siteline Clad Sliding Patio Door, Auralast Pine,<br>Stationary-O / Left-X, Narrow Stile, HYDROLOCK Sill, Black Sill,<br>Brilliant White Exterior,<br>Clear Panel/Frame,<br>Primed Interior.<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb,<br>US National-WDMA/ASTM, PG 40,<br>HP-InterLock,<br>White Hardware, Keyed Alike, Harleston<br>Multi-Point<br>Insulated SunResist Tempered Glass, Protective Film, Black Spacer, Argon<br>Filled, Traditional Glz Bd,<br>1" Contoured GBG Brilliant White Grid, Colonial All Lite(s) 4 Wide 6 High<br>No Screen, , No Screen Prep,<br>Assembled,<br>IGThick=0.761(5/32 / 5/32). (Note: Color Tone Of Grille May Vary As A<br>Result Of Glass Option). Clear Opening:40w, 77.1h, 21.4 sf,*Meets 5.7 sqft<br>Egress (All Floors)*. .<br>U-Factor: 0.32, SHGC: 0.19, VLT: 0.42, Energy Rating: 10.00, CPD: JEL-N-<br>820-04645-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW |                   |     |                   |
|        |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$7,833.65        | 1   | \$7,833.65        |



Viewed from Exterior. Scale: 1/2" = 1'

Max R.O. Width = 96"

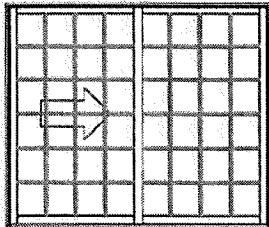
CANDIE WESTBROOK  
615-969-4941

CYW@WESTBROOK.TN.COM

| LINE | LOCATION<br>SIZE INFO | BOOK CODE<br>DESCRIPTION | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|------|-----------------------|--------------------------|-------------------|-----|-------------------|
|------|-----------------------|--------------------------|-------------------|-----|-------------------|

Line 2

Rough Opening : 96 X 81 1/2



Viewed from Exterior. Scale: 1/2" = 1'

max R.O. Width 96"

Frame Size : 95 1/4 X 81

Siteline Clad Sliding Patio Door, Auralast Pine,  
Right-X / Stationary-O, Narrow Stile, HYDROLOCK Sill, Black Sill,  
Brilliant White Exterior,

Clear Panel/Frame,

Primed Interior,

Nail Fin (Standard), Color Match Metal DripCap,

4 9/16 Jamb,

US National-WDMA/ASTM, PG 40,

HP-InterLock,

White Hardware, Keyed Alike, Harleston

Multi-Point

Insulated SunResist Tempered Glass, Protective Film, Black Spacer, Argon  
Filled, Traditional Glz Bd,

1" Contoured GBG Brilliant White Grid, Colonial All Lite(s) 4 Wide 6 High  
BetterVue Mesh Heavy Duty Bottom Rolling Extruded Screen, Brilliant  
White Screen.

Assembled,

IGThick=0.761(5/32 / 5/32). (Note: Color Tone Of Grille May Vary As A  
Result Of Glass Option). Clear Opening:40w, 77.1h, 21.4 sf,\*Meets 5.7 sqft  
Egress (All Floors)\*, .

U-Factor: 0.32, SHGC: 0.19, VLT: 0.42, Energy Rating: 10.00, CPD: JEL-N-  
820-04645-00001

PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW

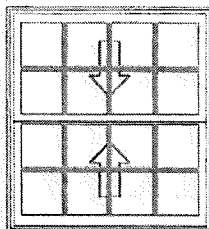
\$8,314.76

1

\$8,314.76

Line 3

Rough Opening : 46 1/8 X 50



Viewed from Exterior. Scale: 1/2" = 1'

max R.O. Width 46 1/8"

Frame Size : 45 3/8 X 49 1/4

Siteline Clad Double Hung, Auralast Pine,  
Brilliant White Exterior,

Natural Interior,

Nail Fin (Standard), Color Match Metal DripCap,

4 9/16 Jamb,

Standard Double Hung, White Jambliner, Concealed Jambliner

White Hardware, Recessed Sash Lock,

US National-WDMA/ASTM, PG 35,

Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon  
Filled, Traditional Glz Bd,

1" Contoured GBG Brilliant White Grid, Colonial All Lite(s) 4 Wide 2 High  
Top, 4 Wide 2 High Btm,

BetterVue Mesh Brilliant White Screen.

\*Custom-Height\*, IGThick=0.726(1/8 / 1/8). (Note: Color Tone Of Grille  
May Vary As A Result Of Glass Option). Clear Opening:41.6w, 21h, 6

sf,\*Does not meet typical state code egress requirements but local codes may  
vary\*, .

U-Factor: 0.31, SHGC: 0.18, VLT: 0.41, Energy Rating: 11.00, CPD: JEL-N-  
880-06734-00001

PEV 2025.4.0.5399/PDV 8.143 (12/04/25)CW

\$1,908.59

2

\$3,817.18

cust-19005

Page 2 of 4 (Prices are subject to change.) JW260100H06 (Ver:0) - 03/19/2026 1.04 PM

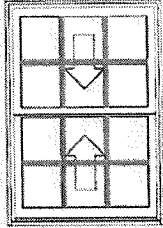
Quote Date: 01/22/2026

Drawings are for visual reference only and may not be to exact scale.  
All orders are subject to review by JELD-WEN

Last Modified: 03/19/2026

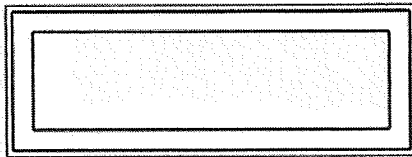


| LINE   | LOCATION<br>SIZE INFO   | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 4 | Rough Opening : 35 X 50 | Frame Size : 34 1/4 X 49 1/4<br>Siteline Clad Double Hung, Auralast Pine,<br>Brilliant White Exterior,<br>Natural Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb,<br>Standard Double Hung, White Jambliner, Concealed Jambliner<br>White Hardware, ,Recessed Sash Lock,<br>US National-WDMA/ASTM, PG 35,<br>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br>Filled, Traditional Glz Bd,<br>1" Contoured GBG Brilliant White Grid, Colonial All Lite(s) 3 Wide 2 High<br>Top, 3 Wide 2 High Btm,<br>BetterVue Mesh Brilliant White Screen,<br>*Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), (Note: Color<br>Tone Of Grille May Vary As A Result Of Glass Option). Clear<br>Opening:30.5w, 21h, 4.4 sf,*Does not meet typical state code egress<br>requirements but local codes may vary*, .<br>U-Factor: 0.31, SHGC: 0.18, VLT: 0.41, Energy Rating: 11.00, CPD: JEL-N-<br>880-06734-00001<br>PEV 2025.4.0.5399/PDV 8.143 (12/04/25)CW | \$1,804.04        | 2   | \$3,608.08        |



Viewed from Exterior. Scale: 1/2" = 1'

Line 5  
Rough Opening : 46 7/8 X 17 3/4



Viewed from Exterior. Scale: 1/2" = 1'

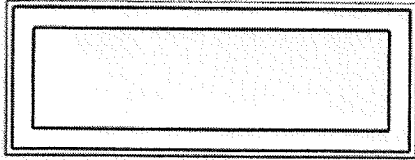
Frame Size : 46 1/8 X 17  
Siteline Standard, Clad Casement, Auralast Pine,  
Brilliant White Exterior,  
Natural Interior,  
Nail Fin (Standard), Color Match Metal DripCap,  
4 9/16 Jamb, 4/4 Thick,  
Stationary,  
US National-WDMA/ASTM, PG 35,  
Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon  
Filled, Traditional Glz Bd,  
1" Contoured GBG Brilliant White Grid, Per Drawing ( 4 Rect Lite ) ( 0 Rad  
Lite ) ( 0 Diam Lite ) ( 0 Goth Lite ) ( 0 Other Lite )  
\*Custom-Width\*, \*Custom-Height\*, IGThick=0.726(1/8 / 1/8), (Note: Color  
Tone Of Grille May Vary As A Result Of Glass Option).  
U-Factor: 0.29, SHGC: 0.17, VLT: 0.39, Energy Rating: 13.00, CPD: JEL-N-  
877-04277-00001  
PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW  
Drawing Number: M1926J19

\$1,167.79 4 \$4,671.16

ADJUSTED R.O. WIDTH TO  
ALIGN WITH DOOR W/ 3"  
STUD AT CENTER

SEE DRAWING  
# M1926J19  
FOR GRID ALIGNMENT

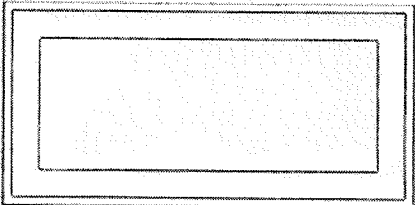
| LINE   | LOCATION<br>SIZE INFO           | BOOK CODE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NET UNIT<br>PRICE | QTY | EXTENDED<br>PRICE |
|--------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|
| Line 6 | Rough Opening : 46 1/8 X 17 3/4 | Frame Size : 45 3/8 X 17<br>Siteline Standard, Clad Casement, Auralast Pine,<br>Brilliant White Exterior,<br>Natural Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb, 4/4 Thick,<br>Stationary,<br>US National-WDMA/ASTM, PG 35,<br>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br>Filled, Traditional Glz Bd,<br>1" Contoured GBG Brilliant White Grid, Per Drawing ( 4 Rect Lite ) ( 0 Rad<br>Lite ) ( 0 Diam Lite ) ( 0 Goth Lite ) ( 0 Other Lite )<br>*Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), (Note: Color<br>Tone Of Grille May Vary As A Result Of Glass Option).<br>U-Factor: 0.29, SHGC: 0.17, VLT: 0.39, Energy Rating: 13.00, CPD: JEL-N-<br>877-04277-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW<br>Drawing Number: M1926J20 | \$1,168.18        | 2   | \$2,336.36        |



Viewed from Exterior. Scale: 1/2" = 1'

SEE DRAWING  
# M1926J20 FOR  
GRID ALIGNMENT

|        |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |   |            |
|--------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------------|
| Line 7 | Rough Opening : 35 X 17 3/4 | Frame Size : 34 1/4 X 17<br>Siteline Standard, Clad Casement, Auralast Pine,<br>Brilliant White Exterior,<br>Natural Interior,<br>Nail Fin (Standard), Color Match Metal DripCap,<br>4 9/16 Jamb, 4/4 Thick,<br>Stationary,<br>US National-WDMA/ASTM, PG 35,<br>Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon<br>Filled, Traditional Glz Bd,<br>1" Contoured GBG Brilliant White Grid, Per Drawing ( 3 Rect Lite ) ( 0 Rad<br>Lite ) ( 0 Diam Lite ) ( 0 Goth Lite ) ( 0 Other Lite )<br>*Custom-Width*, *Custom-Height*, IGThick=0.726(1/8 / 1/8), (Note: Color<br>Tone Of Grille May Vary As A Result Of Glass Option).<br>U-Factor: 0.29, SHGC: 0.17, VLT: 0.39, Energy Rating: 13.00, CPD: JEL-N-<br>877-04277-00001<br>PEV 2026.1.0.5504/PDV 8.258 (03/05/26)CW<br>Drawing Number: M1926J20 | \$1,040.38 | 2 | \$2,080.76 |
|--------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|------------|



Viewed from Exterior. Scale: 1/2" = 1'

SEE DRAWING  
# M1926J20 FOR  
GRID ALIGNMENT

|                          |             |
|--------------------------|-------------|
| <b>Total:</b>            | \$32,661.95 |
| <b>Tariff Surcharge:</b> | \$133.62    |
| <b>TAX (9.7500%):</b>    | \$3,197.57  |
| <b>Net Total:</b>        | \$35,993.14 |
| <b>Total Units:</b>      | 14          |

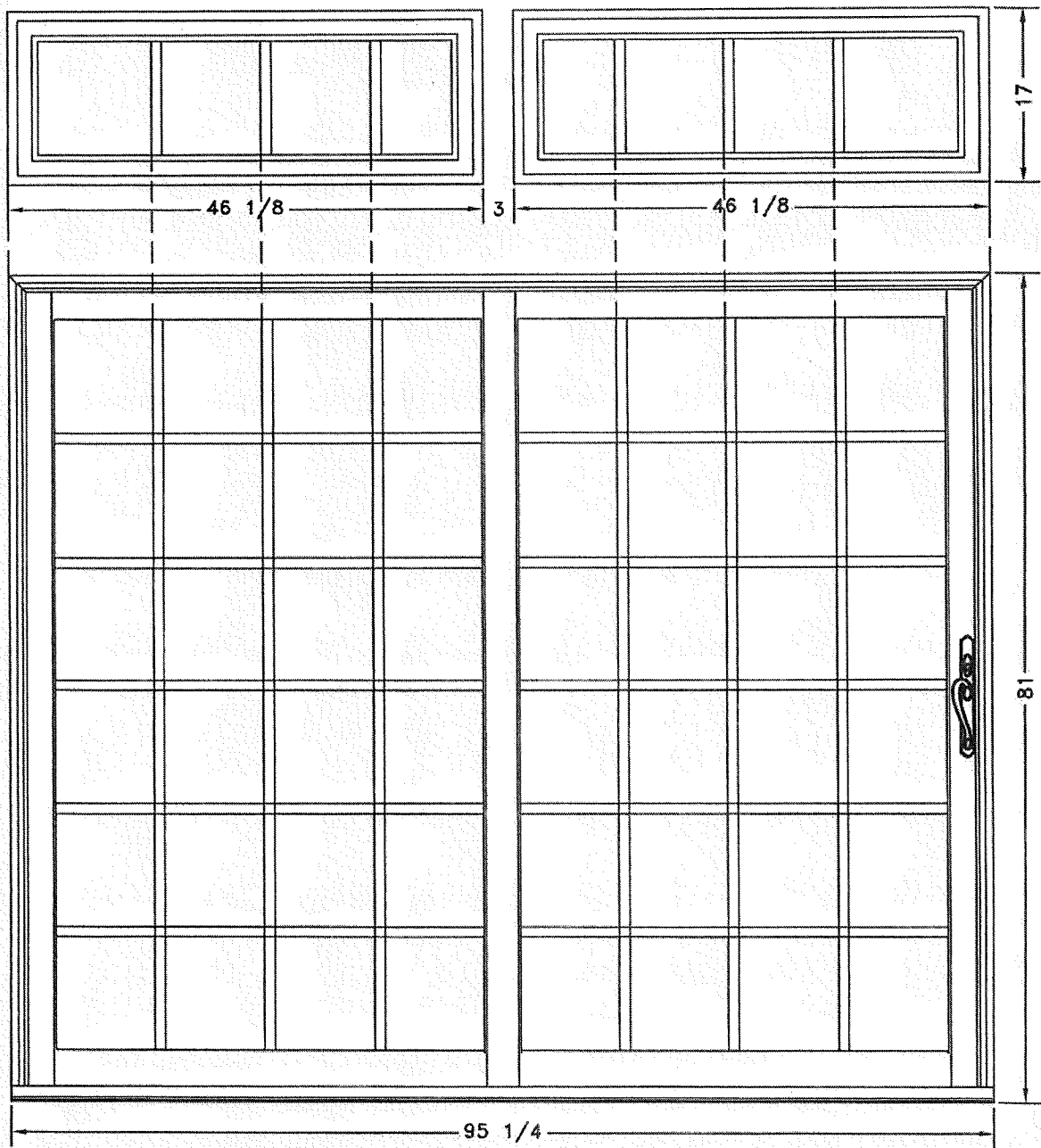


Protect yourself when you choose JELD-WEN Auralast pine products backed by a limited lifetime warranty against wood rot and termite damage.



SIGN OFF REQUIRED  
X

SPECS:  
SITELINE CLAD CASEMENT  
1" CONTOURED GBG

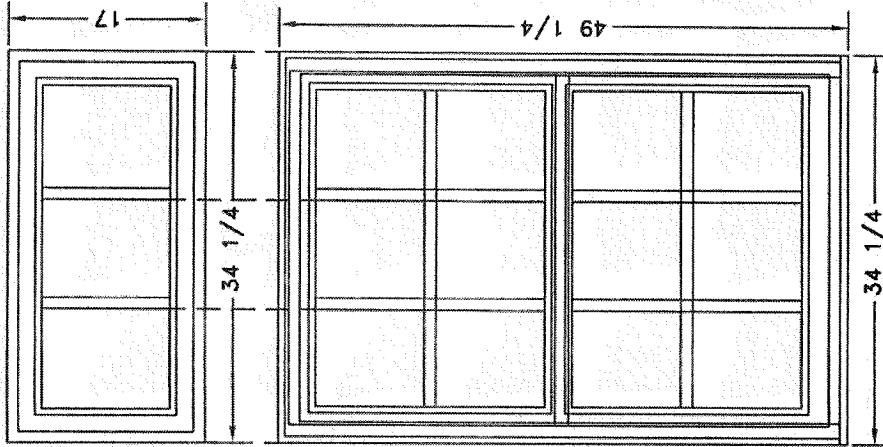
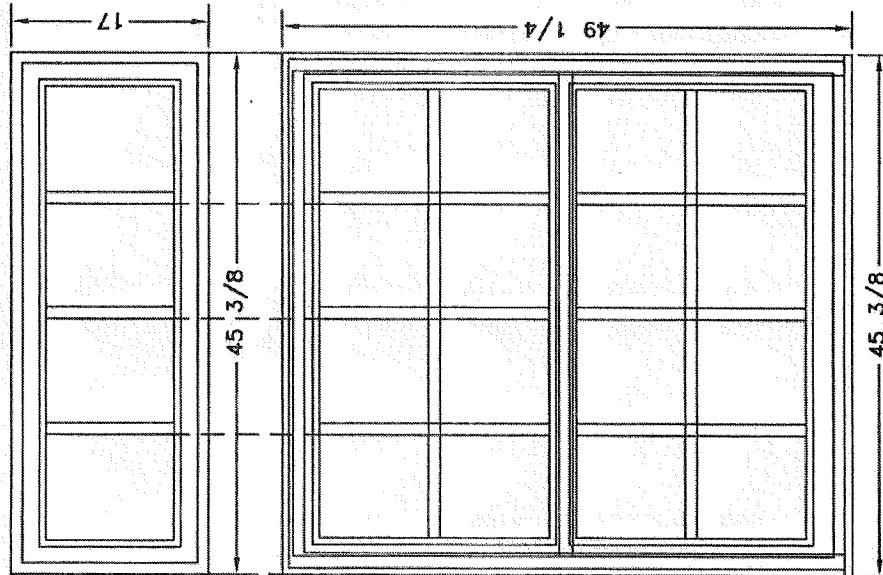


SPECS:  
SITELINE CLAD SLIDING PATIO DOOR  
NARROW STILE  
1" CONTOURED GBG

|                                                                                                                                                                                                                                                                                                                                    |          |            |           |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|-----------|-----|
| <b>JELD-WEN</b><br>WINDOWS & DOORS                                                                                                                                                                                                                                                                                                 |          | DATE:      | REVISION: | BY: |
| PREMIUM CATALOG-HAWKINS                                                                                                                                                                                                                                                                                                            |          |            |           |     |
| DEALER NAME:                                                                                                                                                                                                                                                                                                                       |          |            |           |     |
| DRAWING NO.:                                                                                                                                                                                                                                                                                                                       | DATE:    | DRAWN FOR: | SCALE:    |     |
| M1926J19                                                                                                                                                                                                                                                                                                                           | 03/19/26 | JULIE      | 3/4" = 1' |     |
| DRAWINGS AND ILLUSTRATIONS ARE PROVIDED FOR REFERENCE ONLY.<br>PRODUCT IS MANUFACTURED AS SPECIFIED BY THE CUSTOMER PURCHASE ORDER. APPROVED<br>MODIFICATIONS OR UNIQUE APPLICATIONS MUST ALSO BE NOTED ON THE PURCHASE ORDER. IT IS THE<br>PURCHASERS RESPONSIBILITY TO VERIFY THAT ALL ITEMS SPECIFIED ON THE ORDER ARE CORRECT. |          |            |           |     |

SIGN OFF REQUIRED  
X

SPECS:  
SITELINE CLAD CASEMENT  
1" CONTOURED GBG



SPECS:  
SITELINE CLAD DOUBLE HUNG  
1" CONTOURED GBG

|                                    |          |            |           |     |
|------------------------------------|----------|------------|-----------|-----|
| <b>JELBOWEN</b><br>WINDOWS & DOORS |          | DATE:      | REVISION: | BY: |
| PREMIUM CATALOG-HAWKINS            |          |            |           |     |
| DEALER NAME:                       |          |            |           |     |
| DRAWING NO:                        | DATE:    | DRAWN FOR: | SCALE:    |     |
| M1926J20                           | 03/19/26 | JULIE      | 3/4" = 1' |     |

DRAWINGS AND ILLUSTRATIONS ARE PROVIDED FOR REFERENCE ONLY.  
PRODUCT IS MANUFACTURED AS SPECIFIED BY THE CUSTOMER PURCHASE ORDER. APPROVED  
MODIFICATIONS OR UNLAW APPLICATIONS MUST ALSO BE NOTED ON THE PURCHASE ORDER. IT IS THE  
PURCHASER'S RESPONSIBILITY TO VERIFY THAT ALL ITEMS SPECIFIED ON THE ORDER ARE CORRECT.

























































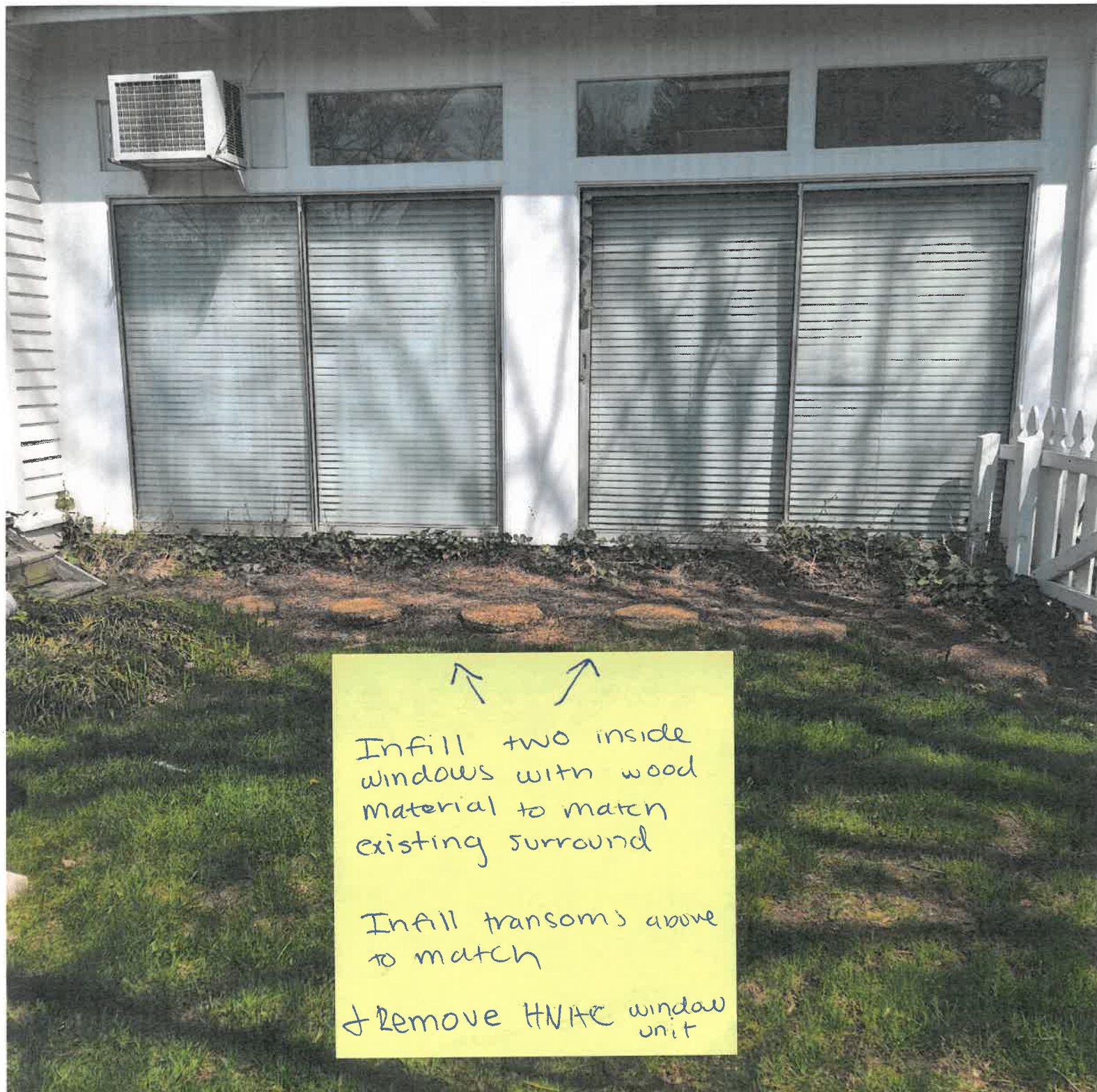












↑ ↑  
Infill two inside  
windows with wood  
material to match  
existing surround

Infill transoms above  
to match

+ Remove HVAC window  
unit



# OWNER AFFIDAVIT

## City of Franklin, Tennessee

We/I Candie Y. Westbrook  
(Please print Name/Names in Full)

being duly sworn, depose and say(s) that (I am)/(we are) the owner(s) of the property described as:

078C J 020.00  
(Property Parcel/Tax ID Number)

and located at:

819 W. Main St. Franklin TN 37064  
(Street Address)

am fully aware of the request for development approval in the City of Franklin, Tennessee. Furthermore, (I)/ (we) hereby appoint

\_\_\_\_\_  
(Please print Name/Names in Full)  
to act as my/our authorized agent on my/our behalf on all matters pertaining to the processing and obtaining the application with the exception of legal documents for recording purposes.

Candie Y. Westbrook  
Signature

819 W. Main St.  
Property Owner Mailing Address

Franklin, TN 37064  
City, State & Zip

Subscribed and sworn to before me this

24 day of March, 2026.

Mel A. Smith  
Notary Public

My Commission Expires: 9-6-27



# Stable Reserve

## 412 Main Street



# Proposed Alteration(s):

- Adding railing and awning to current outdoor space.
- Removing existing planters

# Existing Building/Structure





Image/ Rendering/  
Inspiration of what is  
being proposed



# **ADDITIONAL SLIDE**



**WOULD LIKE TO  
DISCUSS LOGO  
OPTIONS. WE'D  
LIKE TO PUT HORSE  
LOGO ON END CAPS  
AND WORDING  
ACROSS THE FRONT  
SIMILAR TO TOM  
BECKBE**







**LEE  
RESTORATION  
& PAINTING**

615-790-1830

931-964-4000





19 1/2

29"











# HENDRIX RESIDENCE

1309 ADAMS STREET  
FRANKLIN, TENNESSEE 37064

2026.06.08 // DRC SUBMISSION

## ARCHITECTURE SHEET LIST

|       |                          |
|-------|--------------------------|
| G001  | COVER SHEET              |
| SP100 | SITE PLAN                |
| F100  | FOUNDATION PLAN          |
| A101  | FIRST FLOOR PLAN         |
| A104  | ROOF PLAN & ROOF DETAILS |
| A201  | EXTERIOR ELEVATIONS      |
| A202  | EXTERIOR ELEVATIONS      |
| A203  | 3D PERSPECTIVES          |
| A301  | BUILDING SECTIONS        |

CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

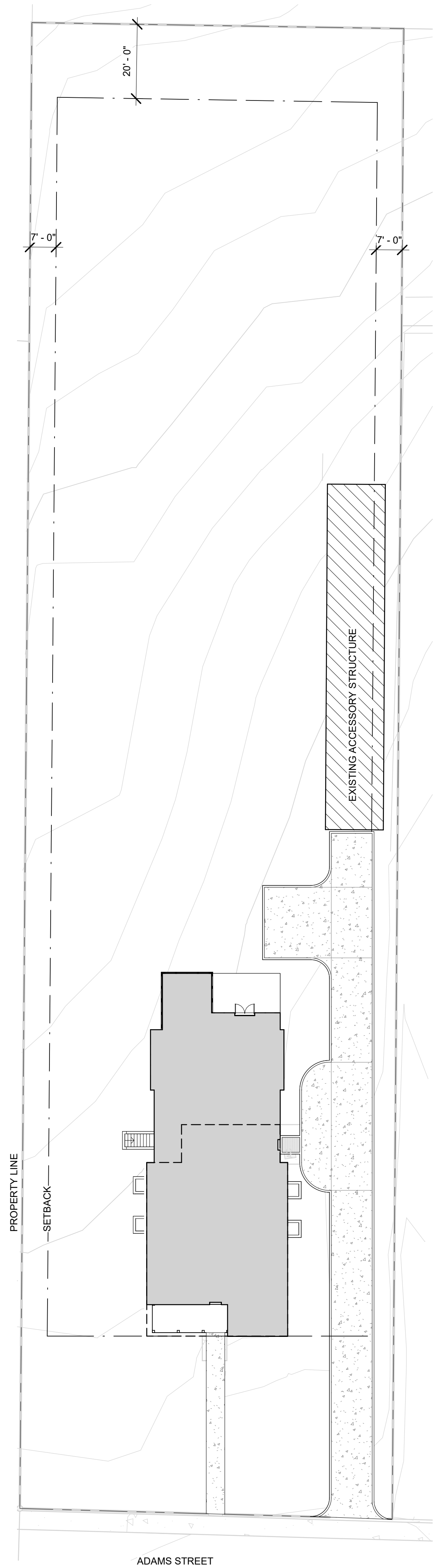
2026.06.08

250904

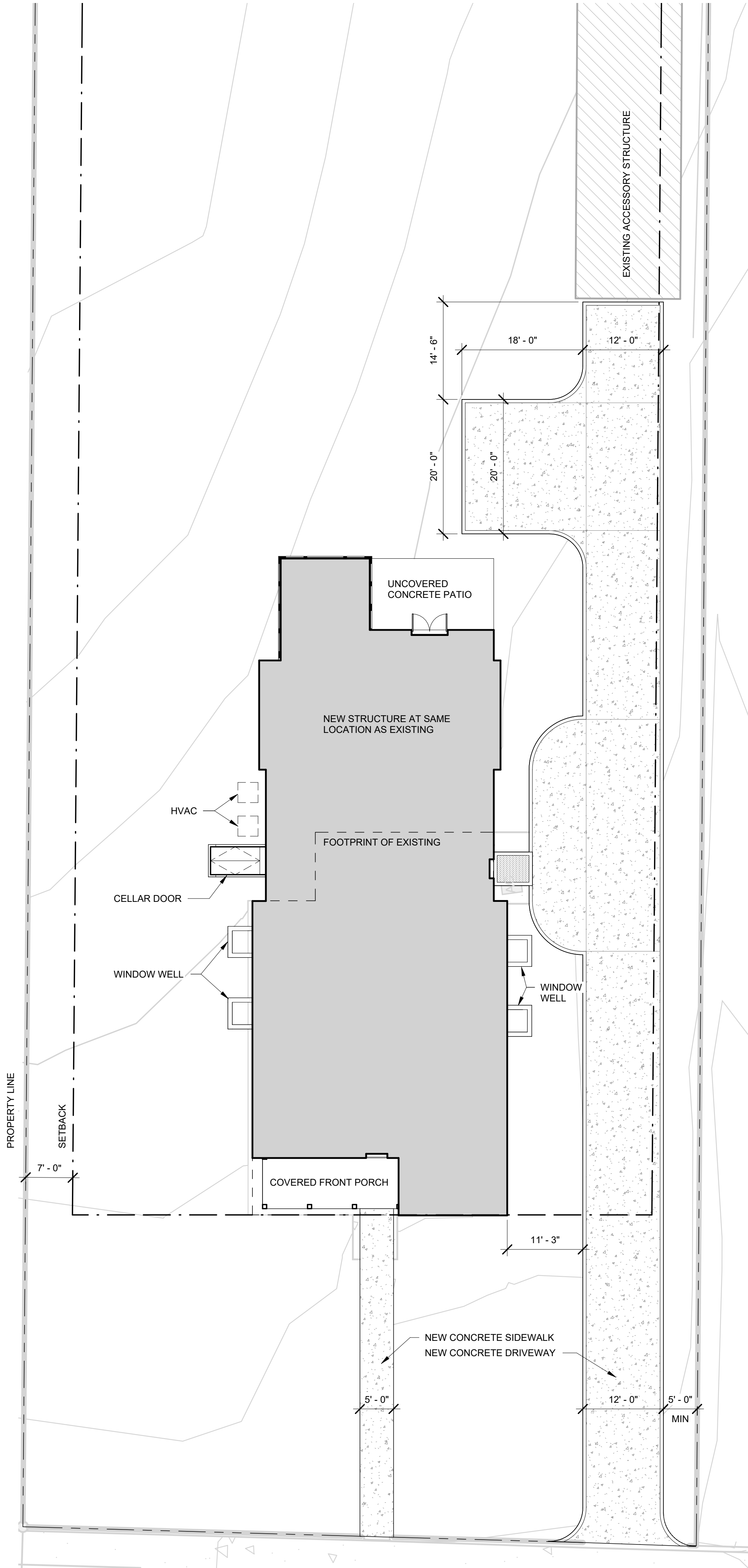
COVER SHEET

G001





2 SITE PLAN - KEY  
1" = 20'-0"



1 SITE PLAN  
3/32" = 1'-0"

## GENERAL NOTES

- SEE G002 FOR ZONING AND CODE ANALYSIS
- EAVES, GUTTERS OR DOWNSPOUTS, SHALL NOT PROJECT INTO OR OVER REQUIRED YARD SETBACK NOT MORE THAN 24" PER METRO ZONING CHAPTER 17.12.040. SEE SITE PLAN FOR EAVE ENCROACHMENT.
- CHIMNEYS SHALL NOT PROJECT MORE THAN THREE FEET INTO REQUIRED SETBACK PER METRO ZONING CHAPTER 17.12.040.
- GRADING PLAN SHOWN FOR DESIGN INTENT ONLY. COORDINATE GRADING PLAN, SITE WALLS, DRAINAGE DESIGN, ETC WITH CIVIL ENGINEER OR LANDSCAPE ARCHITECT.

## SITE ANALYSIS

ZONING: R4 - RESIDENTIAL

LOT SIZE: 40,135 SF (0.92 ACRES)

**LOT COVERAGE**  
PROPOSED PRIMARY: 3,111 SF  
EXISTING ACCESSORY: 1,450 SF  
PORCH & PATIO: 350 SF  
NEW DRIVE & WALK: 3,130 SF  
TOTAL LOT COVERAGE: 8,041 SF

**LANDSCAPE SURFACE AREA**  
8,041 SF / 40,135 SF = 0.20 (20% IMPERVIOUS)

**PROPOSED LANDSCAPE SURFACE AREA: 80%**  
MINIMUM LSA: 40%

## HISTORIC ANALYSIS

HISTORIC BUILDING FOOTPRINT: 2,234 SF  
**PROPOSED ADDITION: 1,335 SF**

**TOTAL PROPOSED FOOTPRINT: 3,569 SF**

NEW ADDITION IS 59.76% OF EXISTING FOOTPRINT

## GRAPHIC SCALES



# CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

## 1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

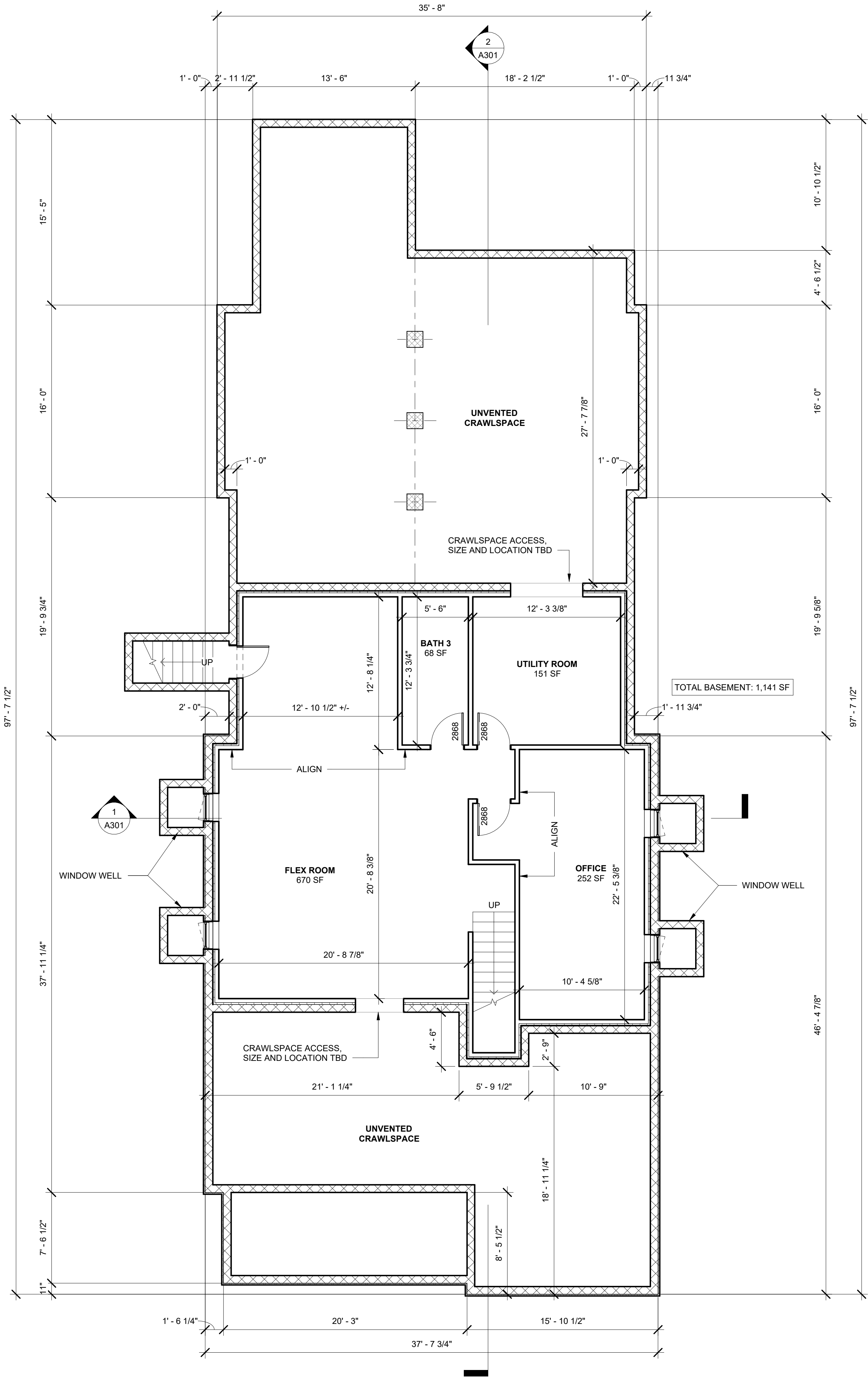
2026.06.08

250904

SITE PLAN

## SP100





1 FOUNDATION PLAN  
3/16" = 1'-0"

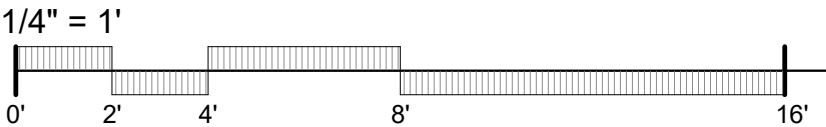
FOUNDATION LEGEND

- EXTERIOR FACE OF STUD
- CONCRETE FOUNDATION
- CONCRETE BLOCK FOUNDATION

GENERAL NOTES

- DIMENSIONS ARE FROM OUTSIDE FACE OF 8" BLOCK AND 2X6 WALL STUD.
- FOUNDATION SIZE, DEPTH, AND DESIGN TO BE VERIFIED AND DESIGNED BY STRL ENGINEER.
- FOUNDATION GRAPHICALLY SHOWN. CONCRETE MIXTURE OR CMU DESIGN, DEPTH, REBAR DESIGN, ETC. TO BE DESIGNED BY STRL ENGINEER.
- GENERAL CONTRACTOR TO PROVIDER ENGINEER SERVICES FOR SIZES OF ALL FRAMING AND BEAMS FOR ALL LEVELS PRIOR TO CONSTRUCTION.
- INTERNAL BLOCK WALLS MAY BE DESIGNED AS PIERS PER STRL ENGINEER'S RECOMMENDATIONS.
- ADD CONCRETE PIERS AS DETERMINED BY ENGINEER AND STRUCTURAL FRAMING. ADD CONCRETE PIERS AND FOUNDATION AS REQUIRED FOR EXTERIOR PATIOS, DECKS, ETC.
- PROVIDE ACCESS PANEL TO CRAWL SPACE AS REQUIRED BY IRC R408.4. ACCESS THROUGH FLOOR SHALL BE A MINIMUM OF 18" X 24". ACCESS THROUGH PERIMETER WALL SHALL BE A MINIMUM OF 16" X 24". CONDITIONED CRAWL SPACE OR VENTILATE PER M1305.1.4.
- FOUNDATION FOR SITE WALLS AND PATIOS TO BE DESIGNED BY STRL ENGINEER.

GRAPHIC SCALES



CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

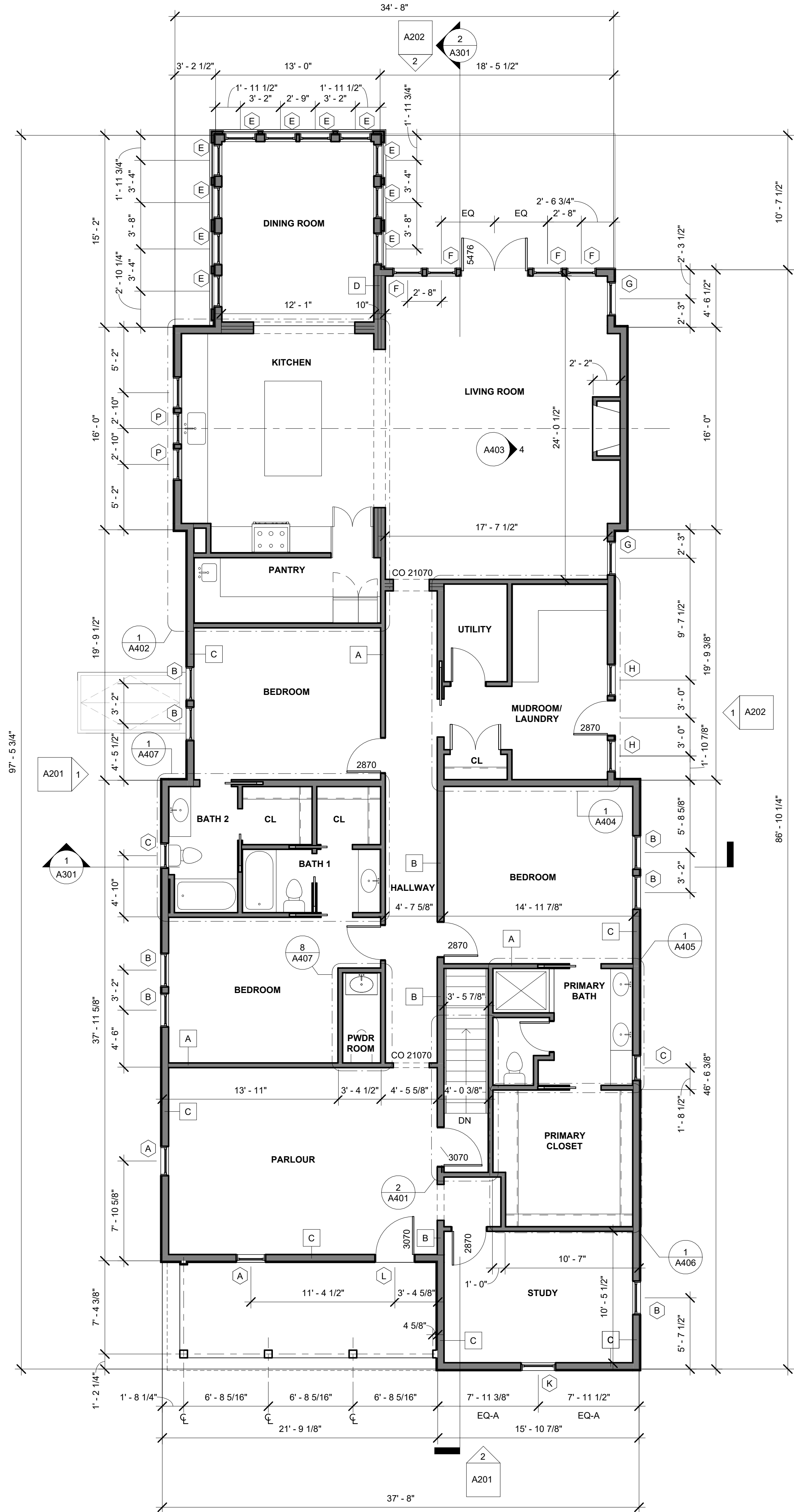
2026.06.08

250904

FOUNDATION  
PLAN

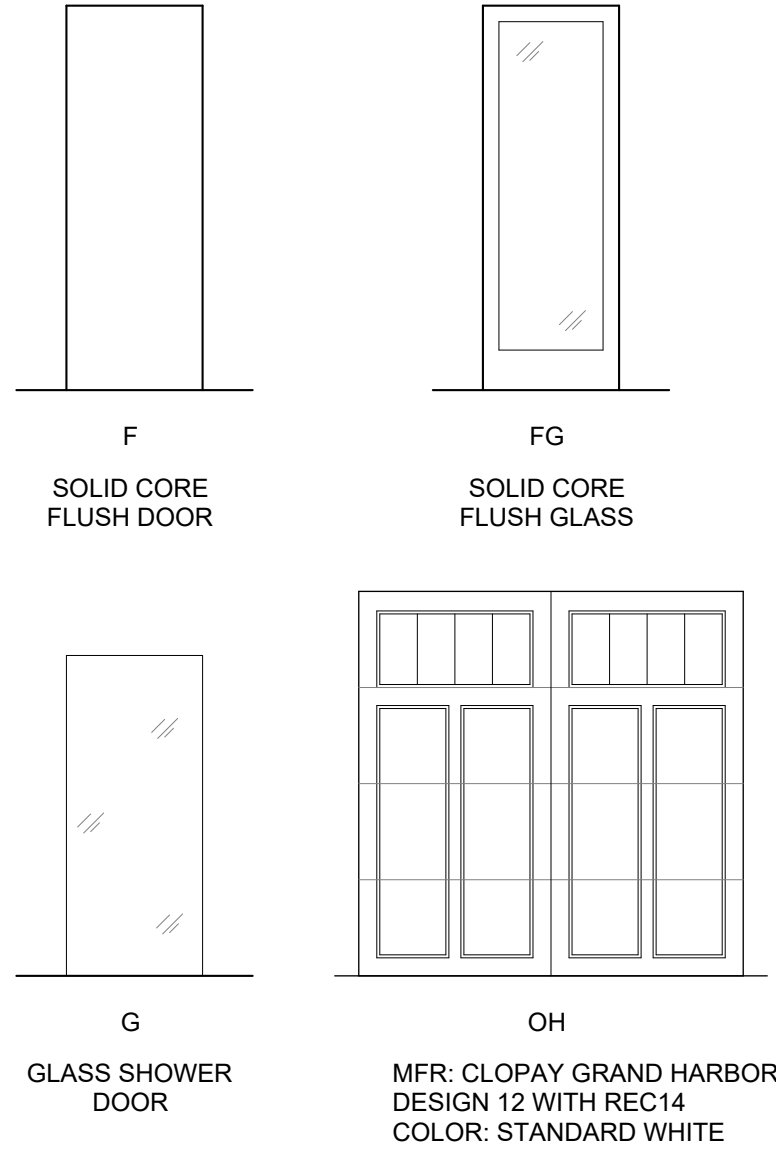
F100



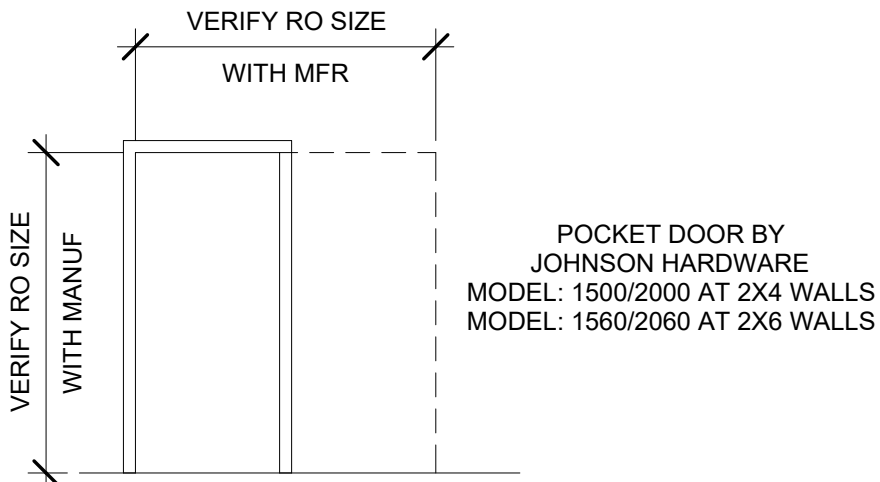


1 FLOOR PLAN // FIRST FLOOR  
3/16" = 1'-0"

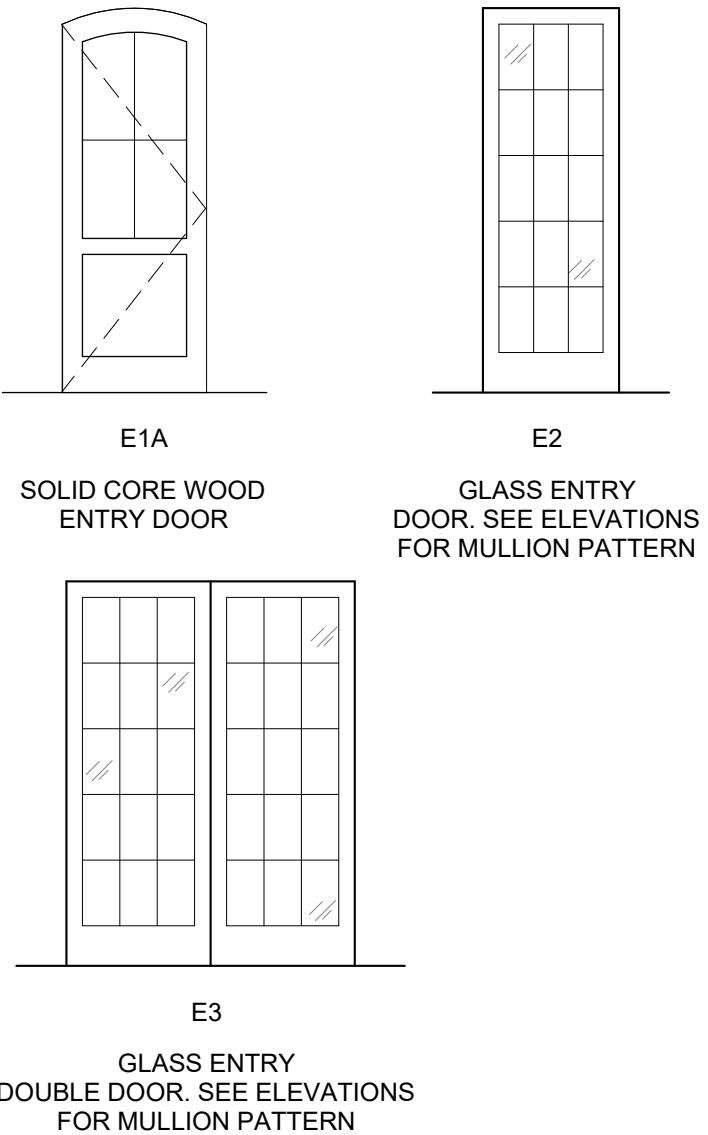
## DOOR TYPES



## FRAME TYPES



## EXTERIOR DOOR TYPES



## WINDOW NOTES

| WINDOW SCHEDULE |         |          |             |          |
|-----------------|---------|----------|-------------|----------|
| TYPE            | WIDTH   | HEIGHT   | SILL HEIGHT | NOTES    |
| A               | 2' - 4" | 7' - 0"  | <varies>    | EXISTING |
| B               | 2' - 8" | 6' - 0"  | 1' - 6"     |          |
| C               | 2' - 0" | 4' - 0"  | 3' - 6"     |          |
| E               | 2' - 6" | 6' - 0"  | 1' - 6"     |          |
| F               | 2' - 4" | 6' - 0"  | 1' - 6"     |          |
| G               | 2' - 8" | 6' - 0"  | 1' - 6"     |          |
| H               | 2' - 6" | 5' - 0"  | 2' - 1"     |          |
| K               | 2' - 9" | 7' - 0"  | 1' - 4"     | EXISTING |
| L               | 3' - 2" | 1' - 6"  | 7' - 0"     |          |
| N               | 1' - 6" | 2' - 4"  | <varies>    |          |
| O               | 2' - 4" | 3' - 7"  | 3' - 8"     |          |
| P               | 2' - 6" | 4' - 10" | 3' - 2"     |          |

- MFR BASIS OF DESIGN: MARVIN ULTIMATE WOOD
- EXTERIOR FINISH: PAINTED WOOD
- INTERIOR FINISH: PAINTED WOOD
- HARDWARE FINISH: MATTE BLACK
- WINDOW MUNTIN PROFILE: SIMULATED DIVIDED LITE WITH SPACER BAR (SDL). SEE ELEVATIONS FOR PATTERN.
- SIZES SHOWN ARE NOMINAL. VERIFY RO WITH WINDOW SPECIFICATION SHEET.

## FLOOR PLAN LEGEND

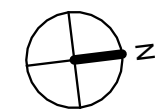
- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
- WALL TYPE - SEE G002
- FIXTURE KEYNOTE
- BRICK EXTERIOR - SEE ELEV SHEETS
- STONE EXTERIOR - SEE ELEV SHEETS

## GENERAL NOTES

- PERFORM ALL WORK IN COMPLIANCE WITH STATE AND LOCAL CODES, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS
- VERIFY ALL MEASUREMENT IN THE FIELD BEFORE COMMENCEMENT OF WORK
- PROCURE ALL REQUIRED AND NECESSARY PERMITS AND APPROVALS PRIOR TO THE COMMENCEMENT OF ANY WORK
- ALL DIMENSIONS ARE SHOWN TO THE FACE OF STUD, UNLESS NOTED OTHERWISE
- MECHANICAL, ELECTRICAL, AND STRUCTURAL DESIGN SERVICES AND ANALYSIS TO BE PROVIDED BY CONTRACTOR ON A DESIGN-BUILD BASIS.
- PROVIDE IN WALL WOOD BLOCKING AT TOILET ACCESSORY LOCATIONS.
- DOORS ARE LOCATED 6" FROM NEAREST WALL CORNER UNO.
- PROVIDE CRACK SUPPRESSION SYSTEM UNDER TILE FLOOR.
- PROVIDE CEMENT BOARD IN LIEU OF GWB AT ALL WET LOCATIONS.

## FLOOR PLAN KEYNOTES

- PROVIDE FLOOR TO CEILING SHELVES
- ARCH CASED OPENING. SEE ELEVATIONS FOR TYPICAL DETAILS.
- PROVIDE CLOSET ROD WITH SHELF ABOVE
- PROVIDE DOUBLE HANG CLOSET RODS
- INSTALL DOUBLE STUD TYPE A WALL
- SHOWER SEAT. SEE ELEVATION.
- SHOWER NICHE. SEE ELEVATION.
- BUILT-IN SHELVEING. SEE ELEVATION.
- HVAC RETURN
- WOOD AND METAL RAILINGS. SEE ELEVATION.
- PROVIDE DOUBLE STUD TYPE A WALLS TO ALLOW FOR TWO OPERATING POCKET DOORS
- GAS BURNING FIREPLACE
- WOOD BURNING EXTERIOR FIREPLACE



## GRAPHIC SCALES



# CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

## BASEMENT OPTION

# 1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

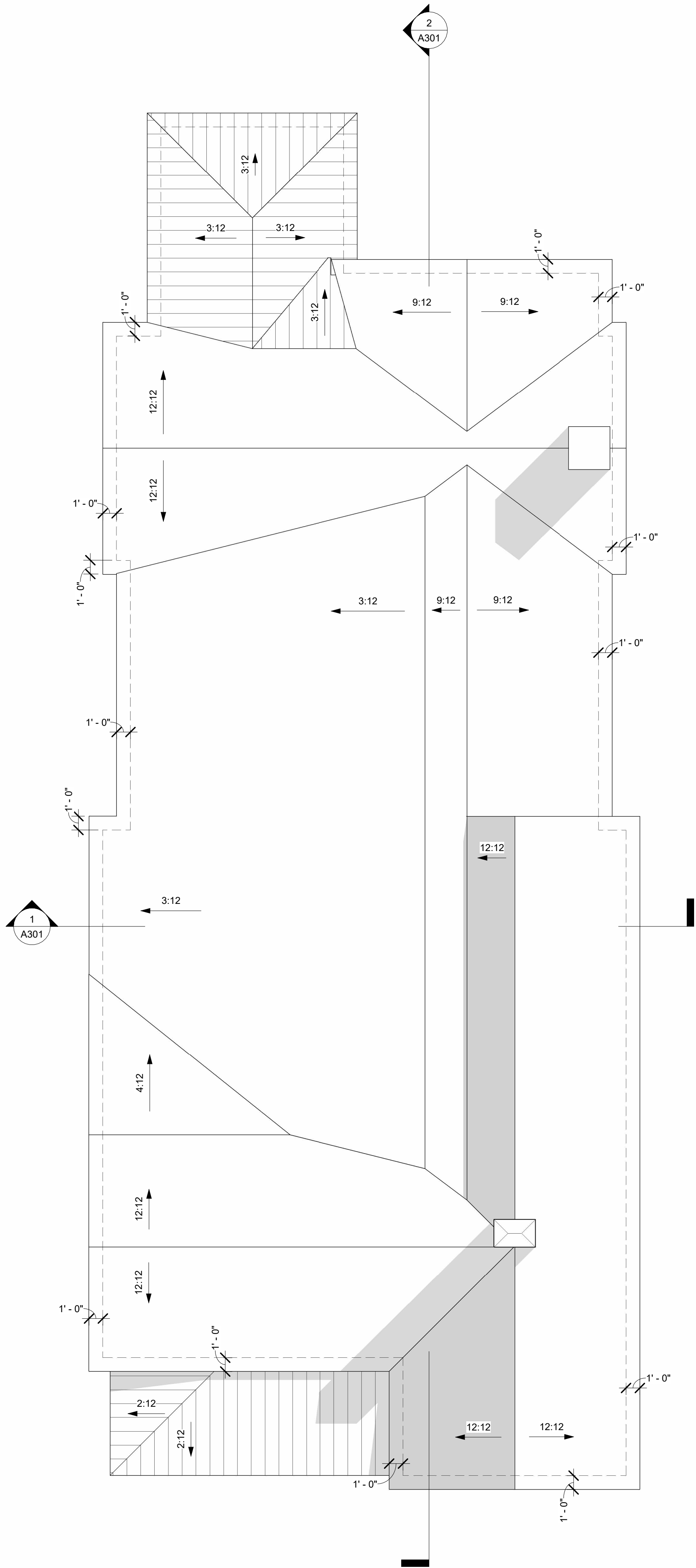
2026.06.08

250904

## FIRST FLOOR PLAN

# A101





1 ROOF PLAN  
3/16" = 1'-0"

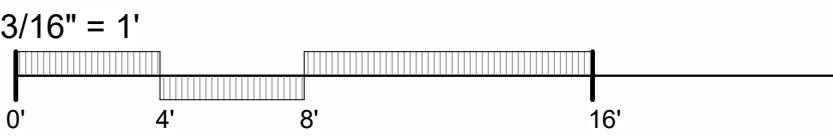
### ROOF PLAN LEGEND

- ASPHALT SHINGLE ROOF
- METAL ROOF

### ROOF PLAN NOTES

- PROVIDE RIDGE VENTS
- PROVIDE METAL FLASHING
- ASPHALT SHINGLE ROOF:  
MFR: CERTAINTEED LANDMARK  
COLOR: COLONIAL STATE
- METAL ROOF:  
MFR: FABRAL  
COLOR: TBD

### GRAPHIC SCALES



CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

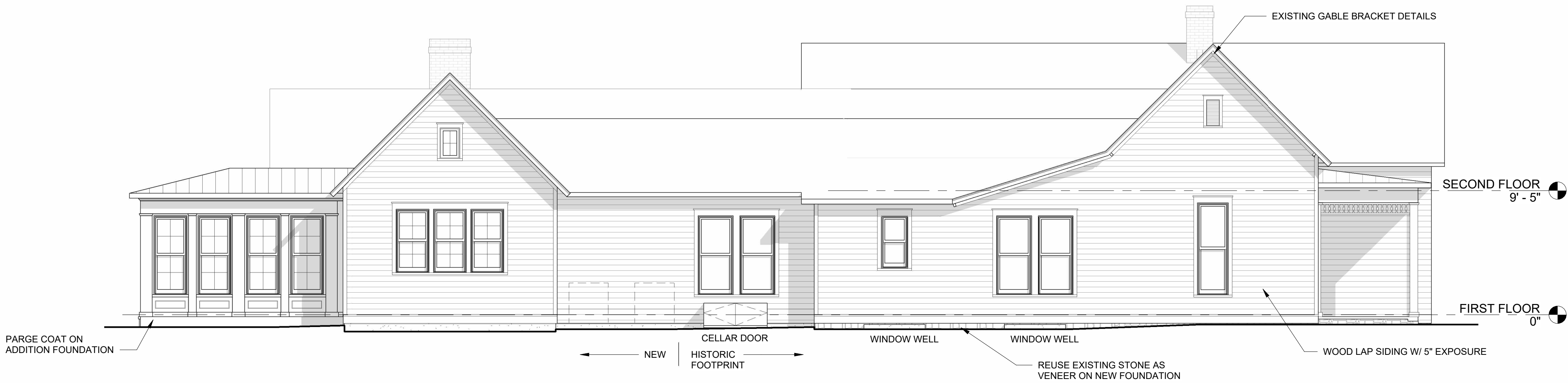
2026.06.08

250904

ROOF PLAN &  
ROOF  
DETAILS

A104





## ELEVATION LEGEND

|  |                        |
|--|------------------------|
|  | EXISTING CONSTRUCTION  |
|  | NEW CONSTRUCTION       |
|  | WINDOW TYPE - SEE A601 |
|  | BRICK EXTERIOR         |
|  | STONE EXTERIOR         |
|  | HARDIE SIDING EXTERIOR |

## GENERAL NOTES

- PROVIDE HALF ROUND METAL GUTTERS AND ROUND DOWNSPOUTS.
- SEE SHEET A101 FOR WINDOW AND DOOR SPECIFICATIONS AND COLOR.
- CONTRACTOR TO PROVIDE FULL SIZE MOCKUP OF TYPICAL CONSTRUCTION METHODS PRIOR TO PROCUREMENT OF MATERIAL. MOCK UP SHALL INCLUDE BRICK WATER TABLE, PAINTED BRICK, FASCIA, DENTIL MOULDING, EAVE, AND ROOF SHINGLES.
- EXTERIOR FINISHES:  
BRICK: PAINT GRADE  
BRICK COLOR: TBD  
ASPHALT SHINGLE: CERTAINTED  
ASPHALT SHINGLE MODEL: LANDMARK  
ASPHALT COLOR: COLONIAL SLATE  
METAL ROOF COLOR: TBD  
TRIM COLOR: WHITE  
WINDOW CLAD COLOR: MARVIN STONE WHITE
- PROVIDE WEEPS IN STONE WALL AS REQUIRED
- SEE TYPICAL EXTERIOR DETAILS, SHEET A301.
- PROVIDE ACCESS PANEL TO CRAWL SPACE AS REQUIRED BY IRC R408.4. ACCESS THROUGH FLOOR SHALL BE A MINIMUM OF 18" X 24". ACCESS THROUGH PERIMETER WALL SHALL BE A MINIMUM OF 16" X 24". VENTILATE PER M1305.1.4.

## GRAPHIC SCALES



# CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

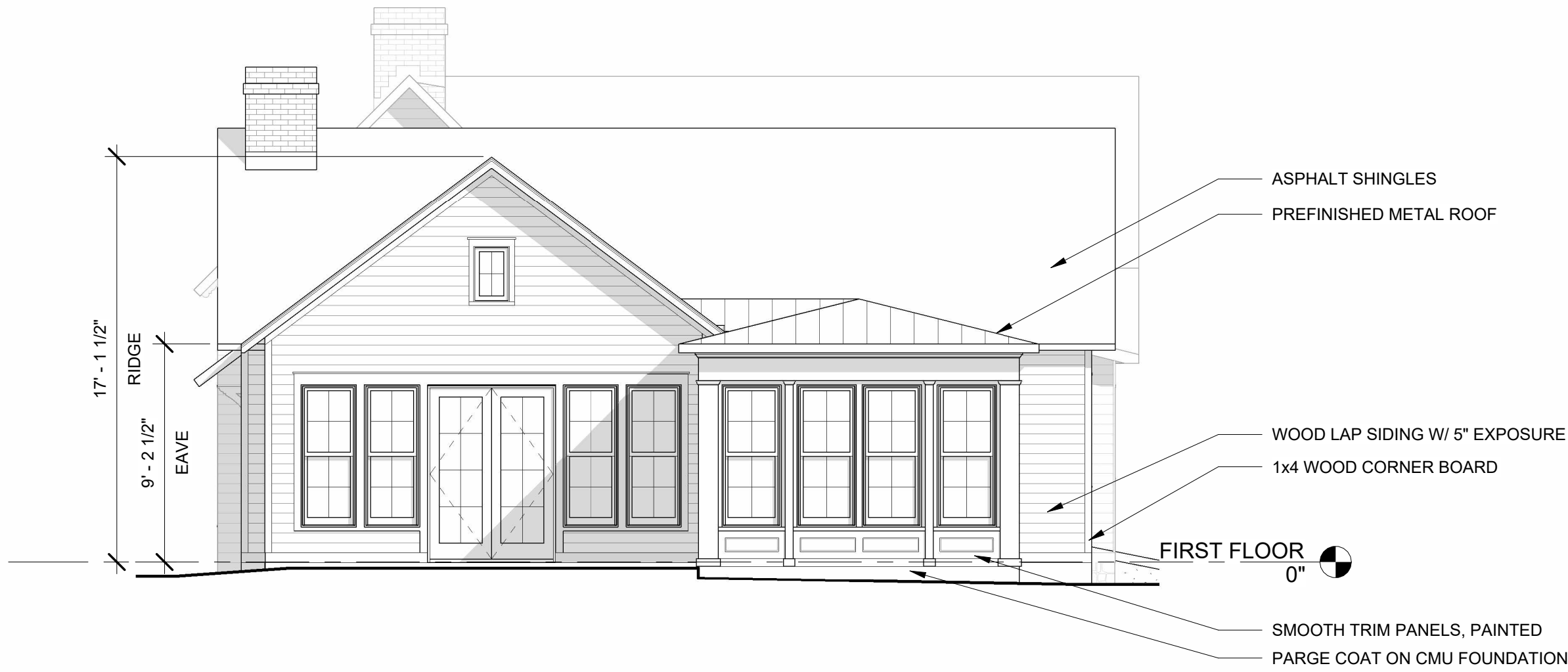
2026.06.08

250904

EXTERIOR  
ELEVATIONS

A201





② EXTERIOR ELEV // REAR  
3/16" = 1'-0"



① EXTERIOR ELEV // RIGHT SIDE  
3/16" = 1'-0"

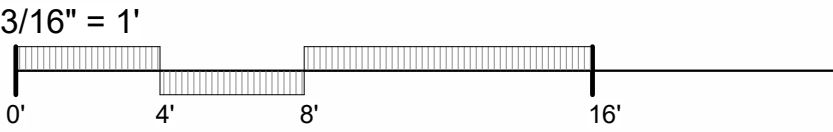
ELEVATION LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- WINDOW TYPE - SEE A601
- BRICK EXTERIOR
- STONE EXTERIOR
- HARDIE SIDING EXTERIOR

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GRAPHIC SCALES



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OPTION

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1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

2026.06.08

250904

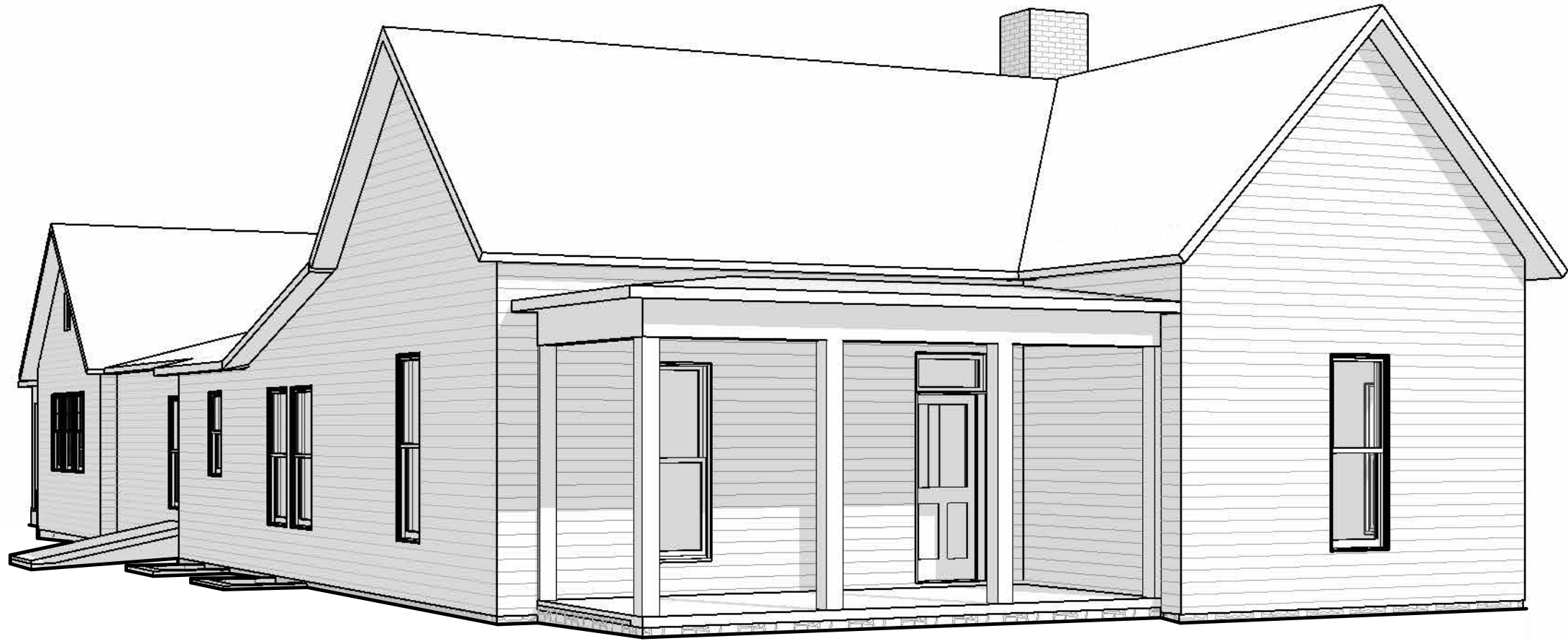
EXTERIOR  
ELEVATIONS

A202





5 3D VIEW // SW CORNER - BASEMENT



3 3D VIEW // NW CORNER - BASEMENT



6 3D VIEW - SE CORNER - BASEMENT  
12" = 1'-0"



2 3D VIEW // NE CORNER - BASEMENT



1 3D VIEW - SIDE APPROACH - BASEMENT

### ELEVATION LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- WINDOW TYPE - SEE A601
- BRICK EXTERIOR
- STONE EXTERIOR
- HARDIE SIDING EXTERIOR

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### GRAPHIC SCALES

CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

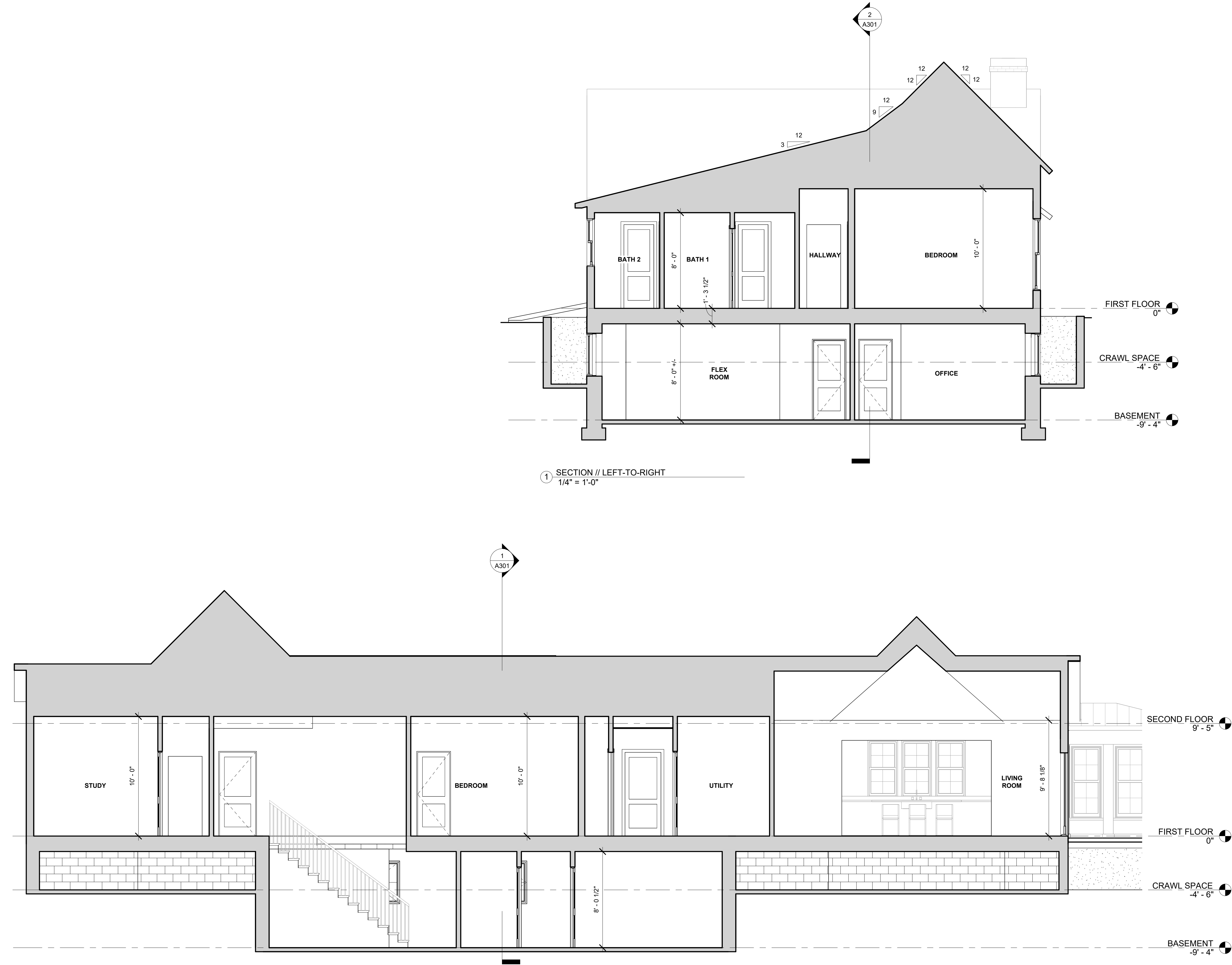
2026.06.08

250904

3D  
PERSPECTIVES

A203





2 SECTION // FRONT-TO-BACK  
1/4" = 1'-0"

1 SECTION // LEFT-TO-RIGHT  
1/4" = 1'-0"

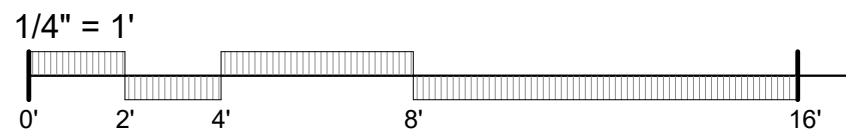
ELEVATION LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- WINDOW TYPE - SEE A601
- BRICK EXTERIOR
- STONE EXTERIOR
- HARDIE SIDING EXTERIOR

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GRAPHIC SCALES



CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

BASEMENT  
OPTION

1309 ADAMS STREET

1309 ADAMS ST., FRANKLIN, TN 37064

MAIN RESIDENCE

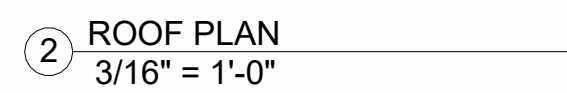
2026.06.08

250904

BUILDING  
SECTIONS

A301





$\frac{3}{16}'' = 1'$

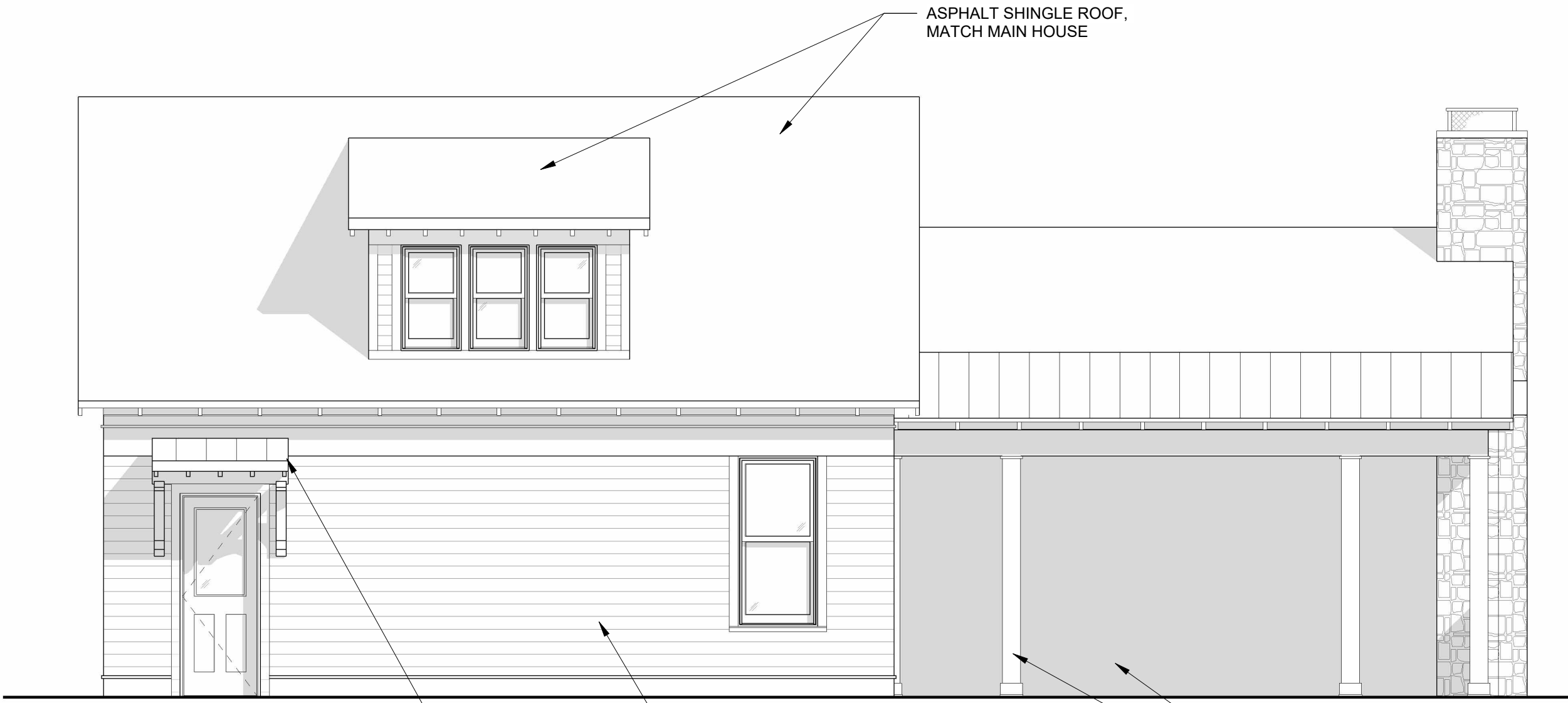
0' 4' 8' 16'

# A101G

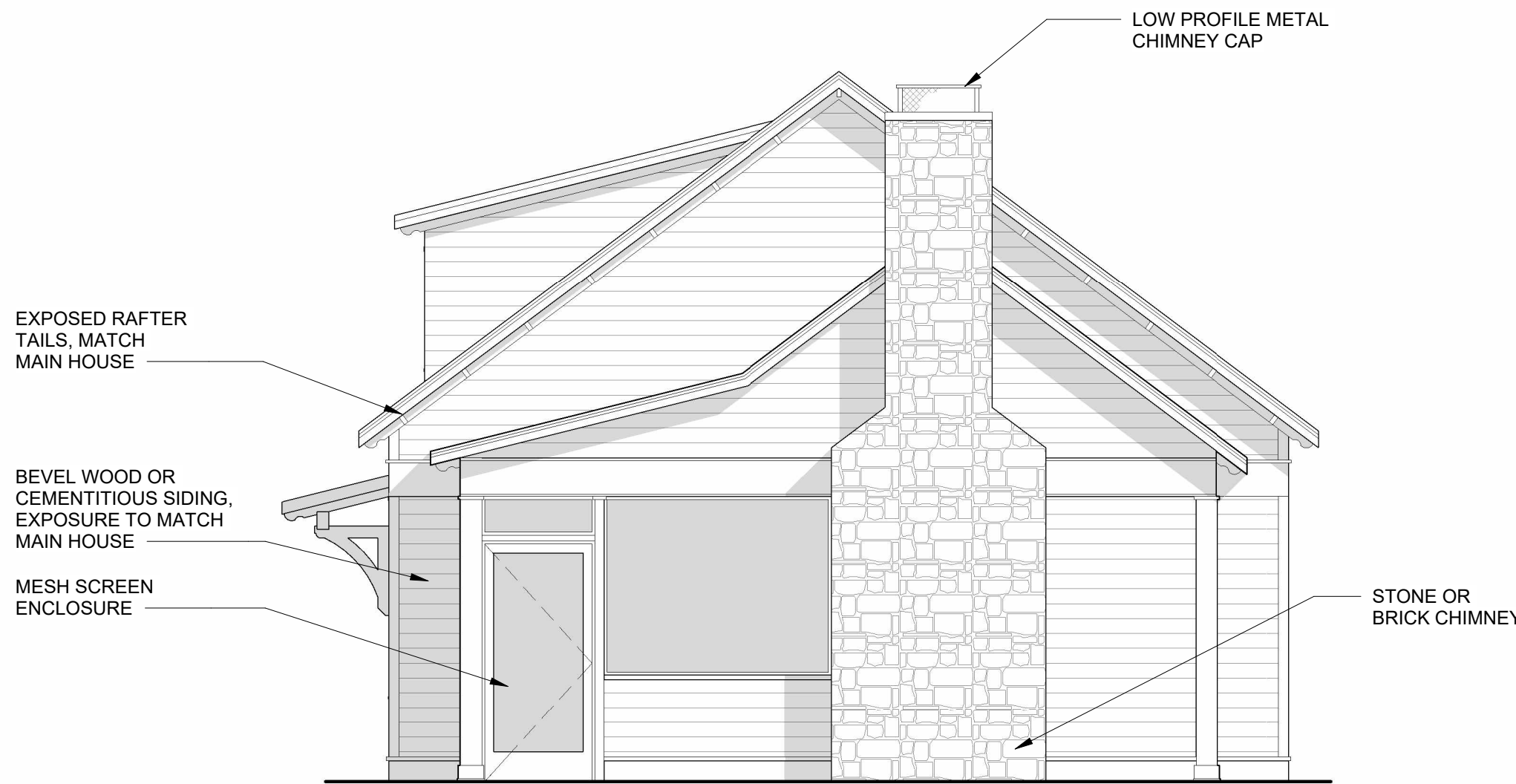




③ EXTERIOR ELEV // FRONT - GARAGE 1  
1/4" = 1'-0"



② EXTERIOR ELEV // RIGHT SIDE - GARAGE 1  
1/4" = 1'-0"



① EXTERIOR ELEV // REAR - GARAGE 1  
1/4" = 1'-0"



3D PERSPECTIVE // VIEW FROM SIDE 250/300



3D PERSPECTIVE // FRONT 200/300



3D PERSPECTIVE // REAR YARD 300/300

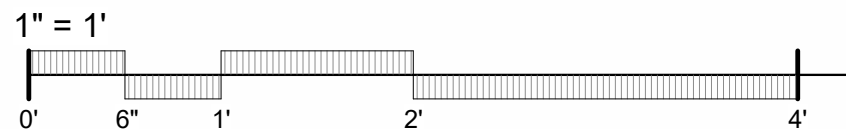
## ELEVATION LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- WINDOW TYPE - SEE A601
- WOOD SIDING EXTERIOR

## GENERAL NOTES

- PROVIDE METAL GUTTERS AND ROUND DOWNSPOUTS TO MATCH EXISTING WHERE NEEDED.
- SEE SHEET A101 FOR WINDOW AND DOOR SPECIFICATIONS AND COLOR.
- ALL DETAILS ON NEW CONSTRUCTION TO MATCH EXISTING, INCLUDING BUT NOT LIMITED TO, CORNER TRIM, SKIRT BOARD, WINDOW CASINGS, ROOF DETAILING, RAFTER TAILS, SIDING REVEAL, FOUNDATION MATERIAL ETC.

## GRAPHIC SCALES



# CHISEL

PO BOX 680566 | FRANKLIN, TN 37068

## BID SET

**1010 FAIR STREET**  
1010 FAIR STREET, FRANKLIN TN 37064  
MAIN RESIDENCE

2026.06.08

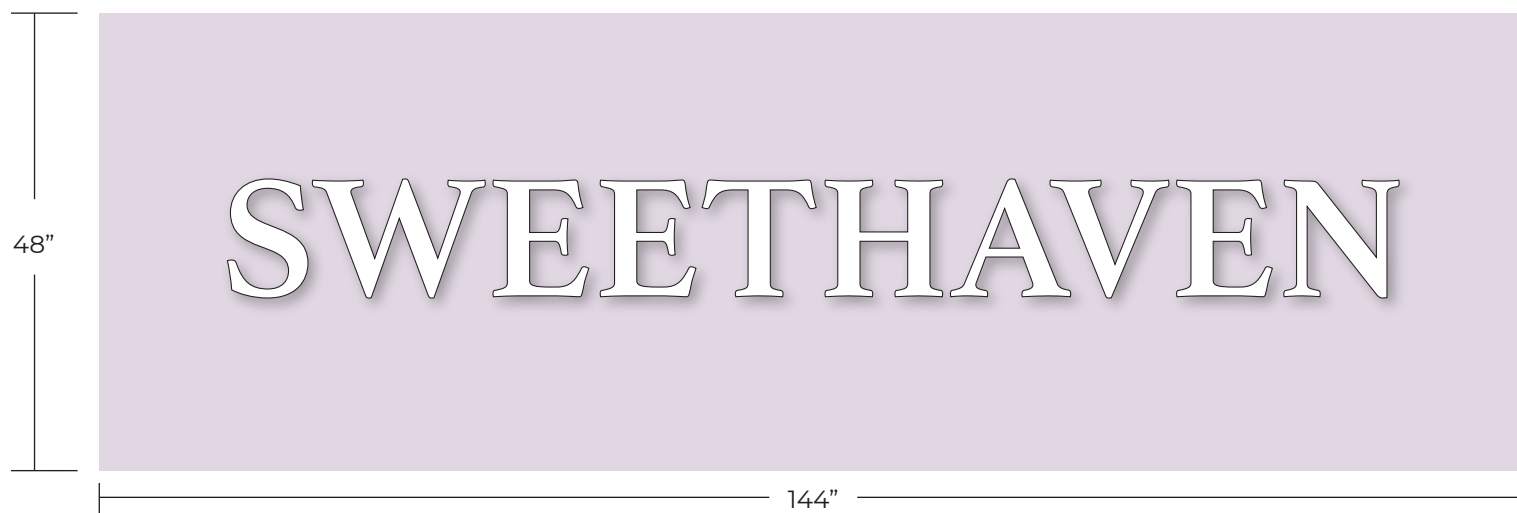
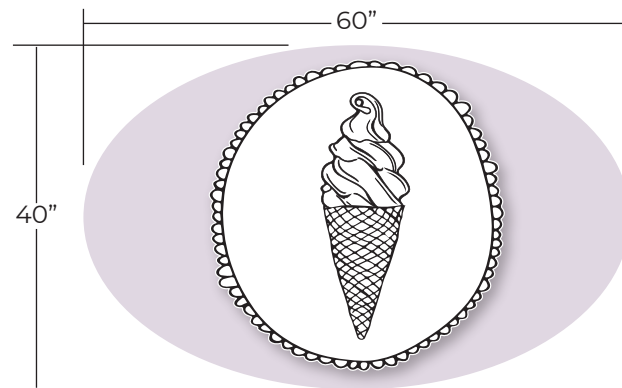
251201

**GARAGE  
ELEVATIONS**

# A201G



214 E Main St, Franklin, TN 37064



Front Illuminated Channel Letters Mounted  
to .080 Printed Aluminum Panel To Slide In

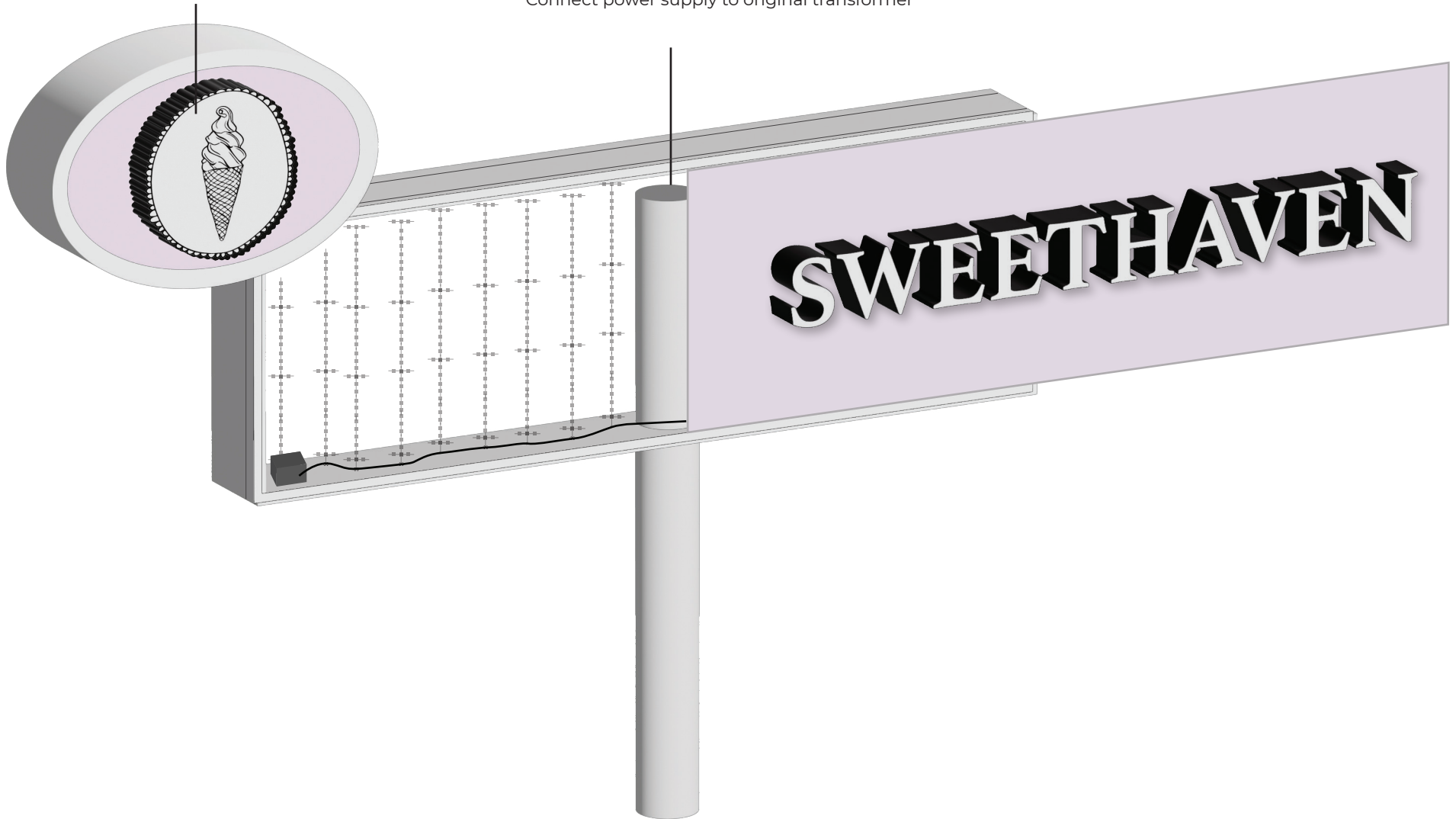
Front Illuminated Channel Letters Mounted  
to .080 Printed Aluminum Panel To Slide In

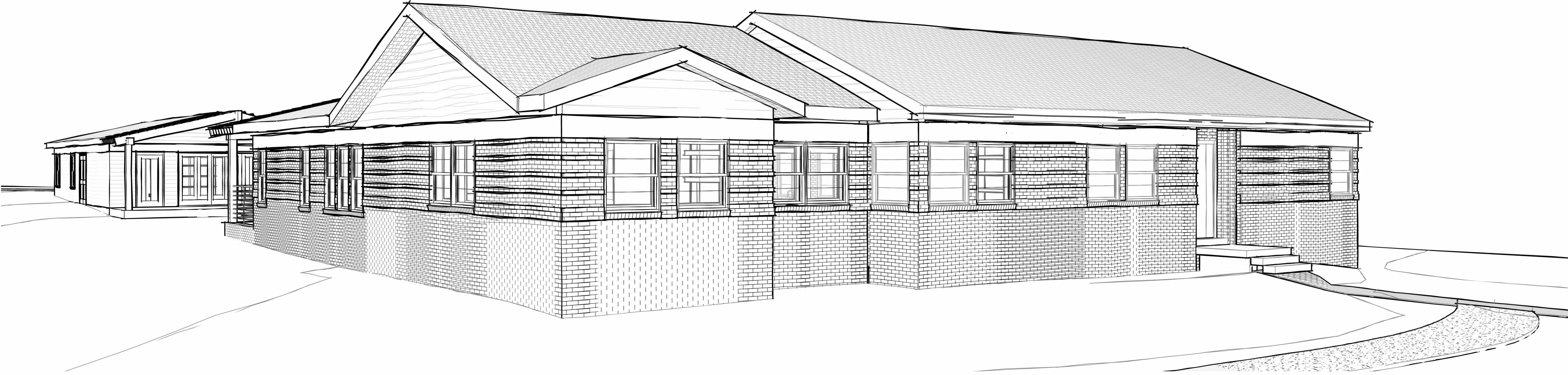




Front Illuminated Channel Letters Mounted  
to .080 Printed Aluminum Panel To Slide In  
Connect power supply to original transformer

Front Illuminated Channel Letters Mounted  
to .080 Printed Aluminum Panel To Slide In  
Connect power supply to original transformer





05.22.2026

ISSUED FOR REVIEW (NOT FOR CONSTRUCTION)

TANDEM

architecture + design

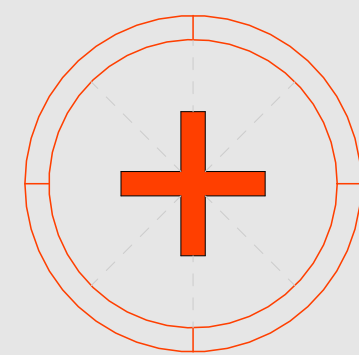
| ARCHITECT                                                                                                                     | CONSULTANT X                            | CONSULTANT X                            |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| TANDEM ARCHITECTURE + DESIGN<br>ASHLEY RALPH<br>214 OVERLOOK CIRCLE - SUITE 200<br>BRENTWOOD, TN - 37207<br>615.878.3871      | NAME<br>ADDRESS A<br>ADDRESS B<br>PHONE | NAME<br>ADDRESS A<br>ADDRESS B<br>PHONE |
| CONTRACTOR                                                                                                                    | CONSULTANT X                            | CONSULTANT X                            |
| SYNDICATE DESIGN & CONSTRUCTION<br>CALEB SPEARING<br>214 OVERLOOK CIRCLE - SUITE 200<br>BRENTWOOD, TN - 37207<br>256.506.7612 | NAME<br>ADDRESS A<br>ADDRESS B<br>PHONE | NAME<br>ADDRESS A<br>ADDRESS B<br>PHONE |

DANIEL

the RESIDENCE



Project No. 25010



Revisions

Notes

1. Your note number one.
2. Your note number two.
- 3.

05.22.2026

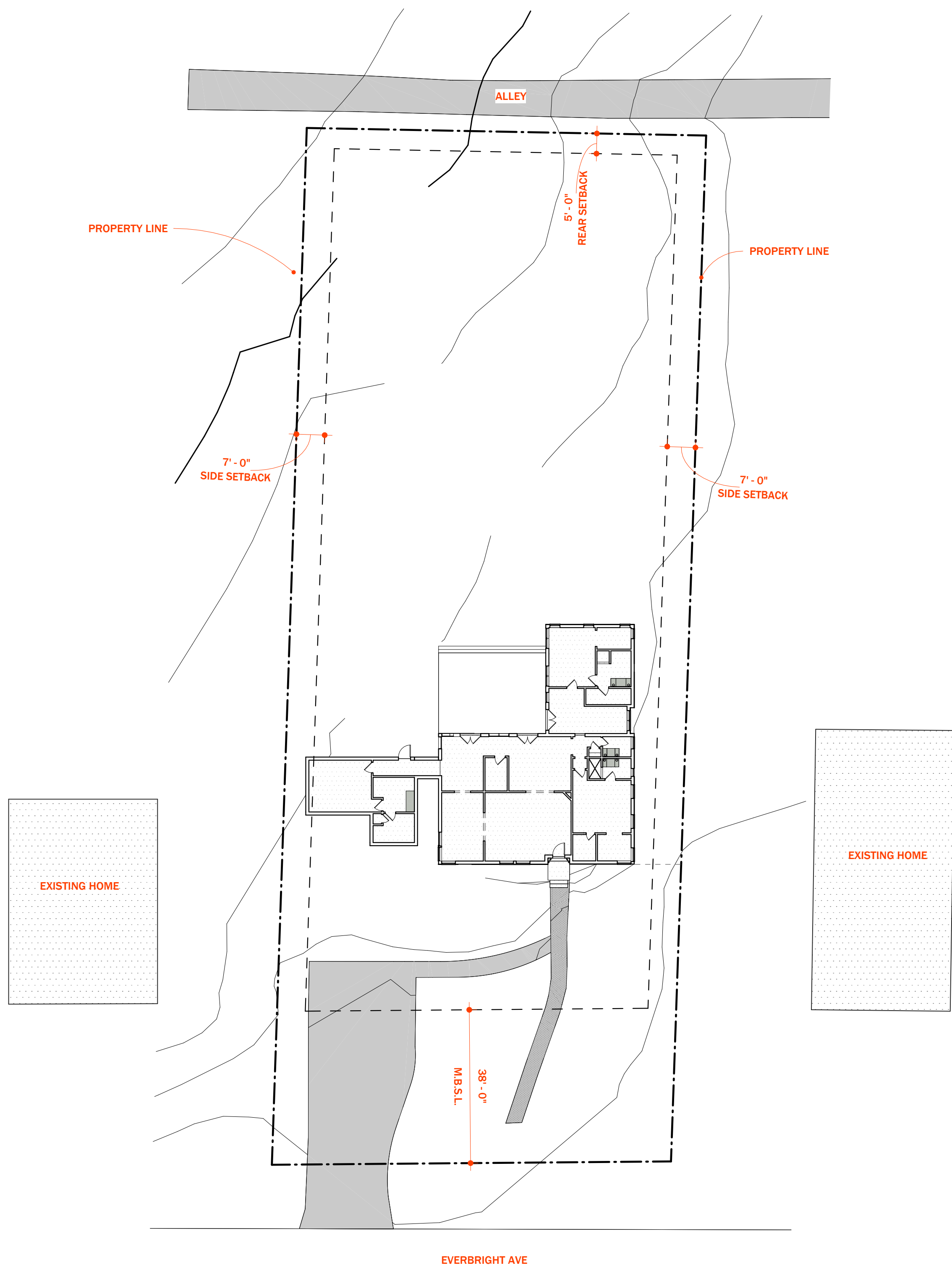
Project North



Scale 1" = 20'-0"

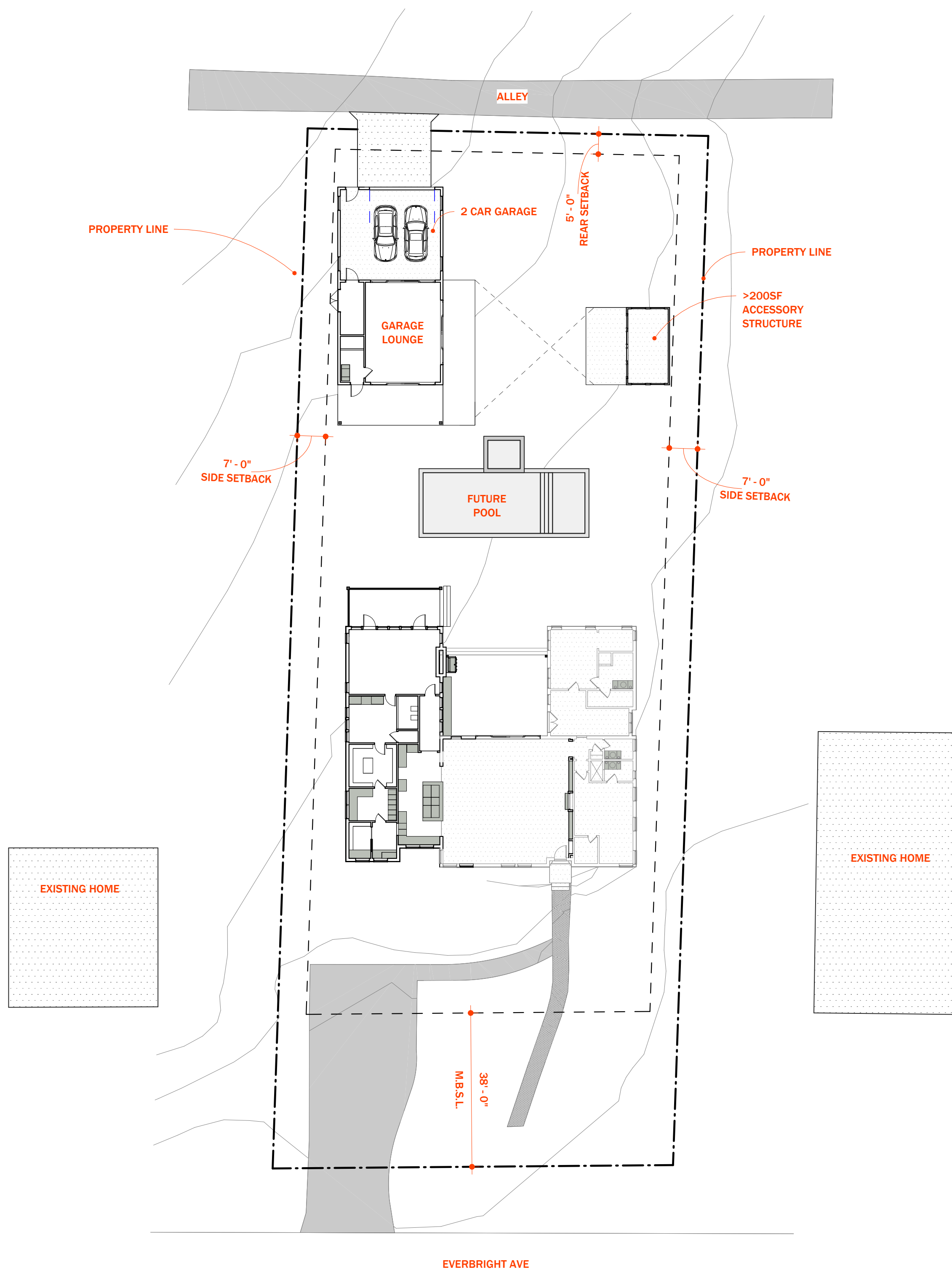
SITE PLAN

A1.0



3 SITE PLAN - EXISTING

SCALE: 1" = 20'-0"



4 SITE PLAN - PROPOSED

SCALE: 1" = 20'-0"

ZONING: R4

TOTAL ACREAGE: 0.58 ACR.  
TOTAL LOT AREA: 25,306 SF

FRONT SETBACKS: 38'-0" SETBACK AVERAGE  
SIDE SETBACKS: 7'-0"  
REAR SETBACK: 5'-0" AT REAR ALLEY

LANDSCAPE SURFACE AREA MIN 40% (10,122 SF)  
MAX IMPERVIOUS COVERAGE 60% (15,183 SF)

BUILDING COVERAGE "UNDER ROOF" CALCULATION

PROPOSED TOTAL MAIN HOUSE 3,321 SF  
PROPOSED ACCESSORY STRUCTURES 1,470 SF

GRAND TOTAL 4,791 SF (18.93%)



1. THE CONTRACTOR SHALL VERIFY THE NATURE OF THE EXISTING CONSTRUCTION AND STRUCTURAL SYSTEMS PRIOR TO COMMENCING WITH ANY WORK
2. UNLESS NOTED OTHERWISE, EXISTING CONTRUSTION IS BELIEVED TO CONSIST OF EXTERIOR MASONRY WALLS WITH WOOD FRAME CONSTRUCTION. WOOD FRAMED FLOOR DECK, WOOD ROOF, INTERIOR 2X4 WOOD WALLS, WOOD WINDOWS AND GLAZING. CONTRACTOR TO VERIFY CONDITION
3. AT EXTERIOR WALLS TO REMAIN, EXISTING FINISHES, WINDOWS AND DOORS ARE TO REMIAN THROUGHTOUT UNLESS NOTED OTHERWISE, EXISTING FINISHES, WINDOWS AND DOORS SHALL BE PROTECTED
4. AT INTERIOR WALLS TO REMAIN, DOORS, EXISTING FINISHES AND OTHER BUILDING COMPONENTS SHALL BE PROTECTED UNLESS IDENTIFIED FOR REMOVAL.
5. THE CONTRACTOR WILL DETERMINE THE EXTENT OF REMOVAL OF MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS AND BE RESPONSIBLE FOR THE SAME. CAP ALL EXISTING UTILITIES/SERVICES EXTENDING FROM THE STRUCTURE'S SECOND LEVEL. MAINTAIN SERVICES TO THE FIRST LEVEL WHERE REASONABLY POSSIBLE.
6. REFER TO FRAMING PLAN FOR DIMENSIONED LOCATIONS OF DEMO FOR NEW DOOR LOCATIONS

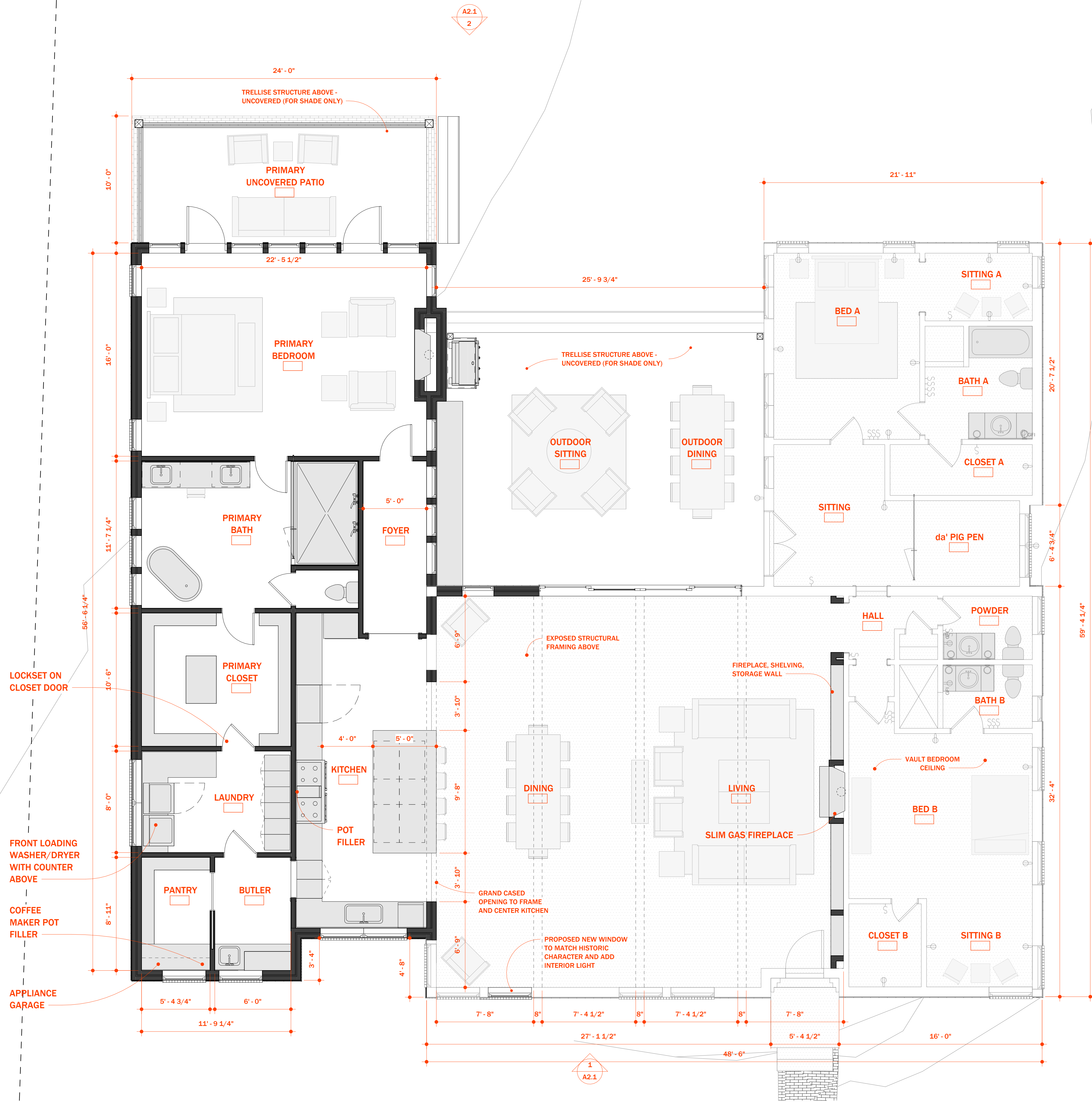
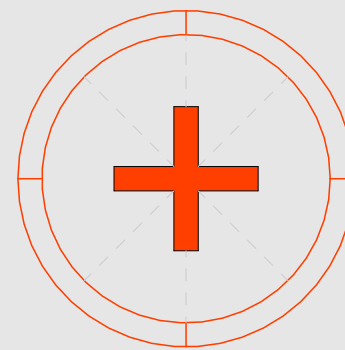
|                                                                                       |                                                 |
|---------------------------------------------------------------------------------------|-------------------------------------------------|
|   | <p><b>EXISTING WALL</b></p>                     |
|  | <p><b>DEMO WALL</b></p>                         |
|  | <p><b>EXISTING DOOR<br/>TO REMAIN</b></p>       |
|  | <p><b>EXISTING DOOR<br/>TO BE REMOVED</b></p>   |
|  | <p><b>EXISTING WINDOW<br/>TO REMAIN</b></p>     |
|  | <p><b>EXISTING WINDOW<br/>TO BE REMOVED</b></p> |



- CORNER WINDOW TO REMAIN TO PRESERVE "MID CENTURY" DETAIL AT STREET-FACING VIEWS

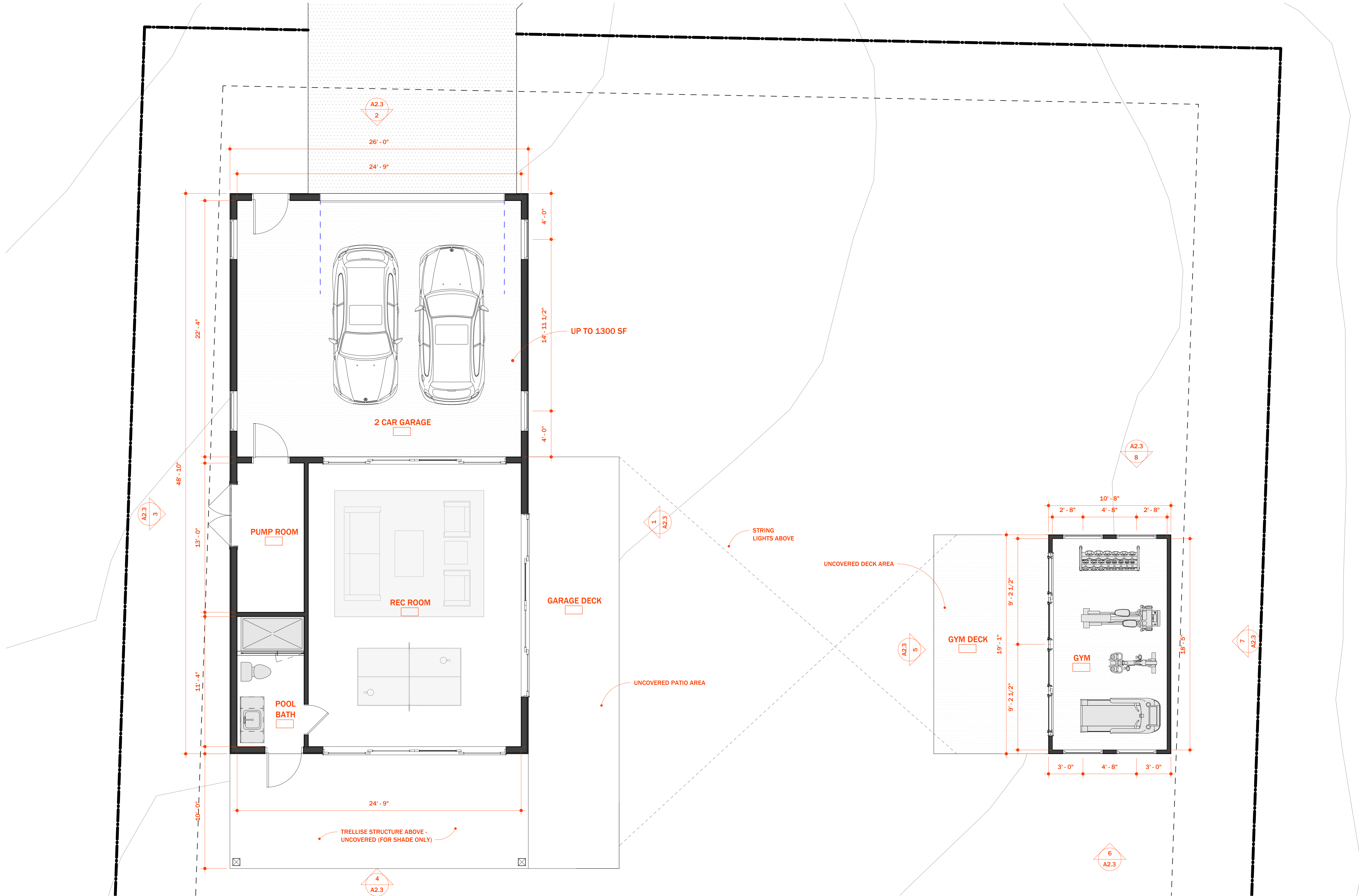
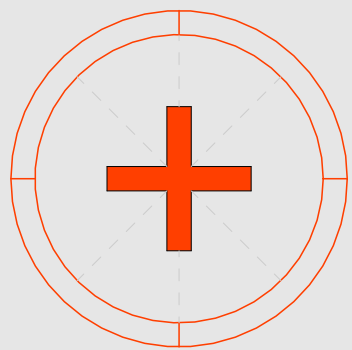
SCALE: 1/4" = 1'-0"





1 FIRST FLOOR PLAN  
SCALE: 1/4" = 1'-0"

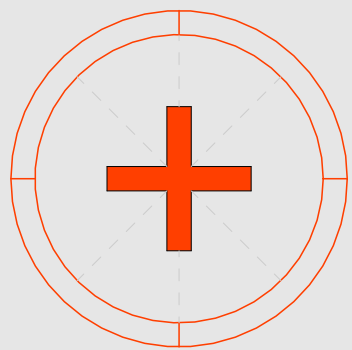




1 FIRST FLOOR PLAN  
SCALE: 1/4" = 1'-0"



Project No. 25010



Revisions

Notes

1. Your note number one.
2. Your note number two.
- 3.

05.22.2026

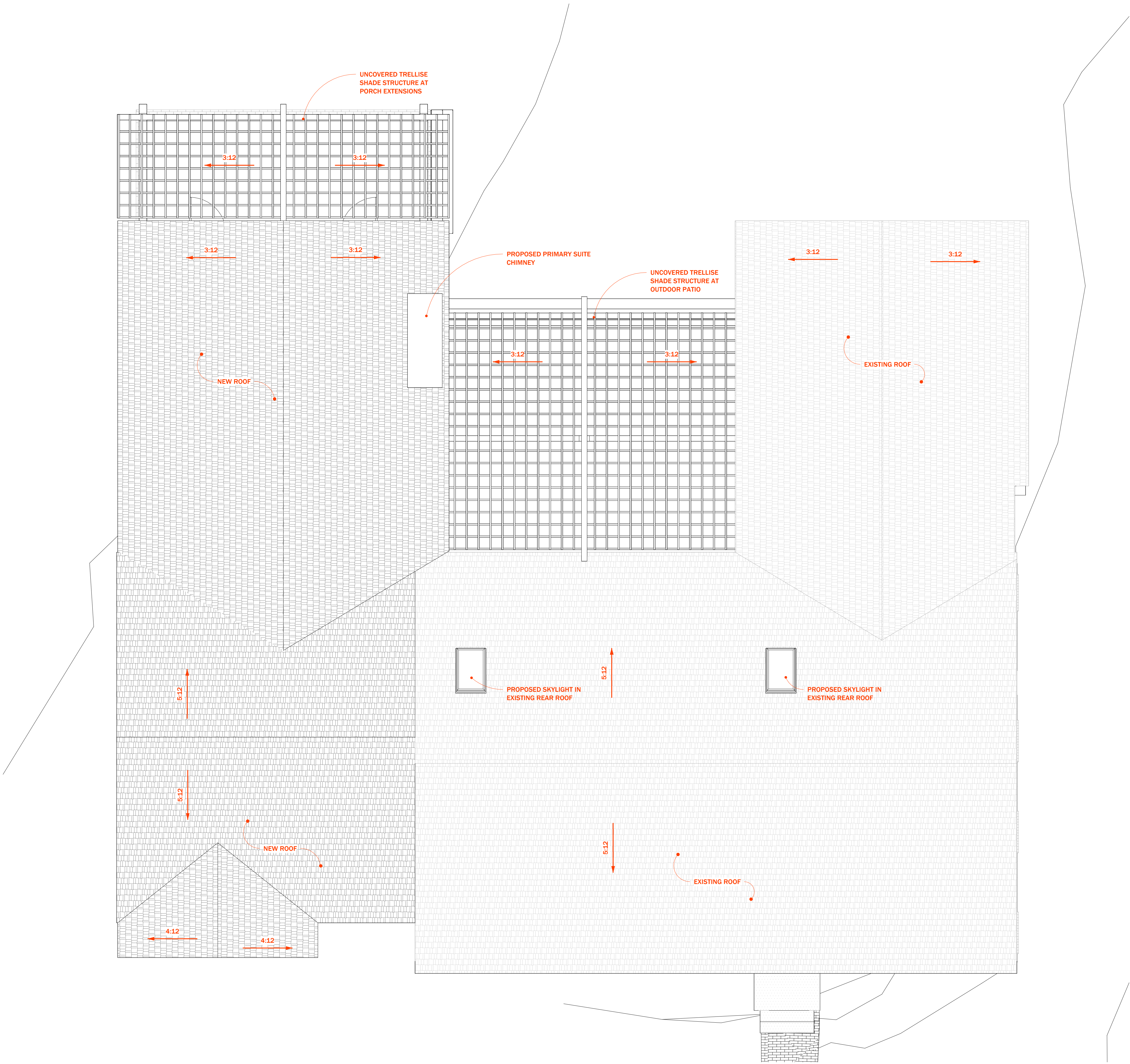
Project North



Scale 1/4" = 1'-0"

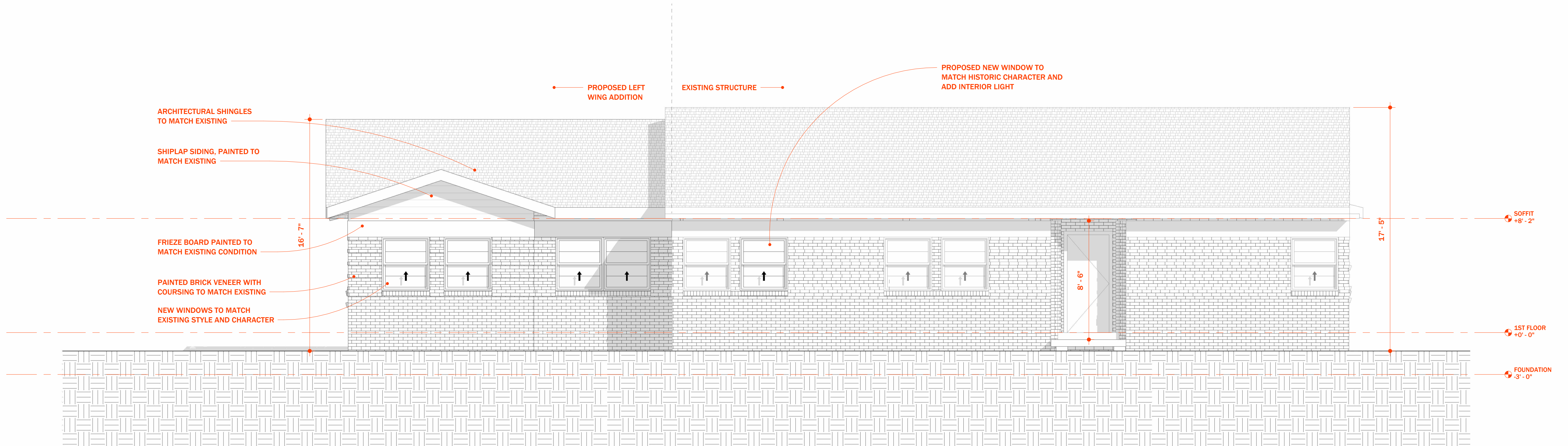
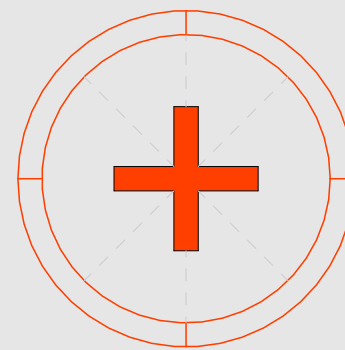
ROOF PLAN

A1.9



1 ROOF PLAN  
SCALE: 1/4" = 1'-0"

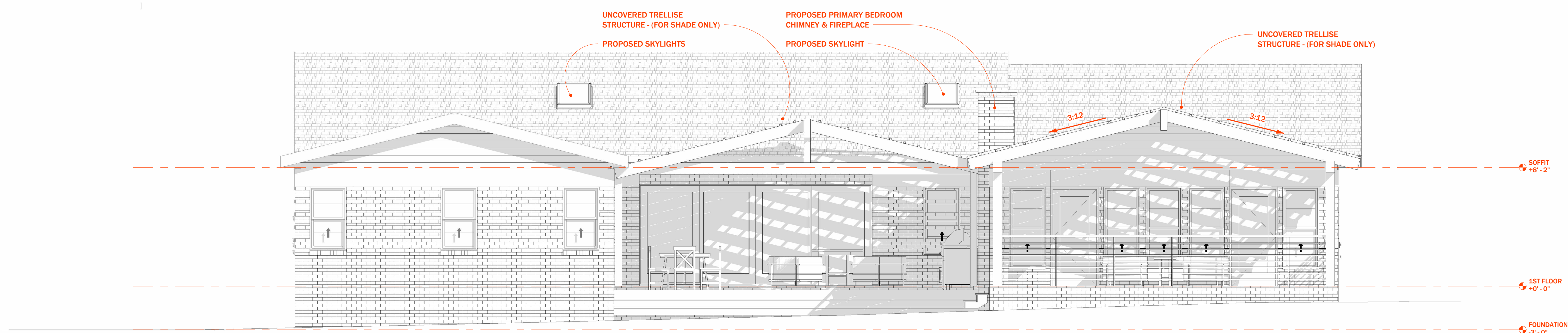




1 FRONT ELEVATION

SCALE: 1/4" = 1'-0"

1

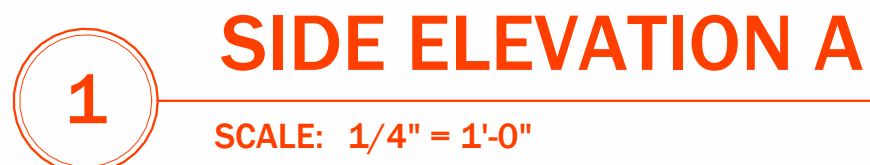


2 REAR ELEVATION

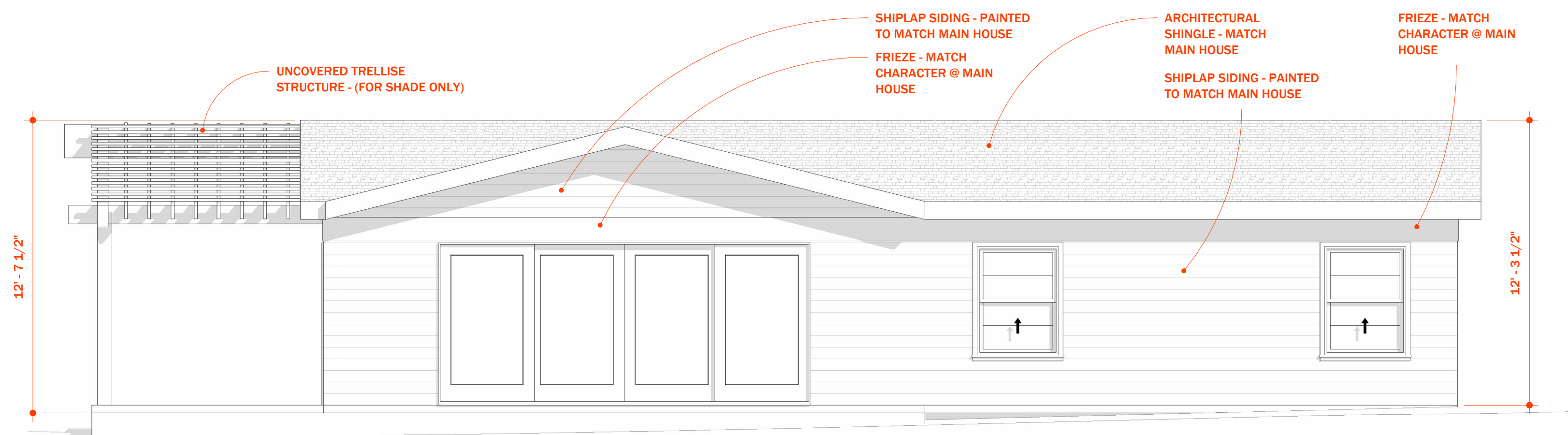
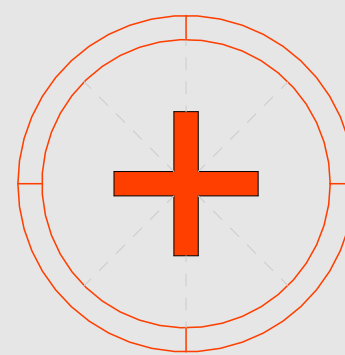
SCALE: 1/4" = 1'-0"

2





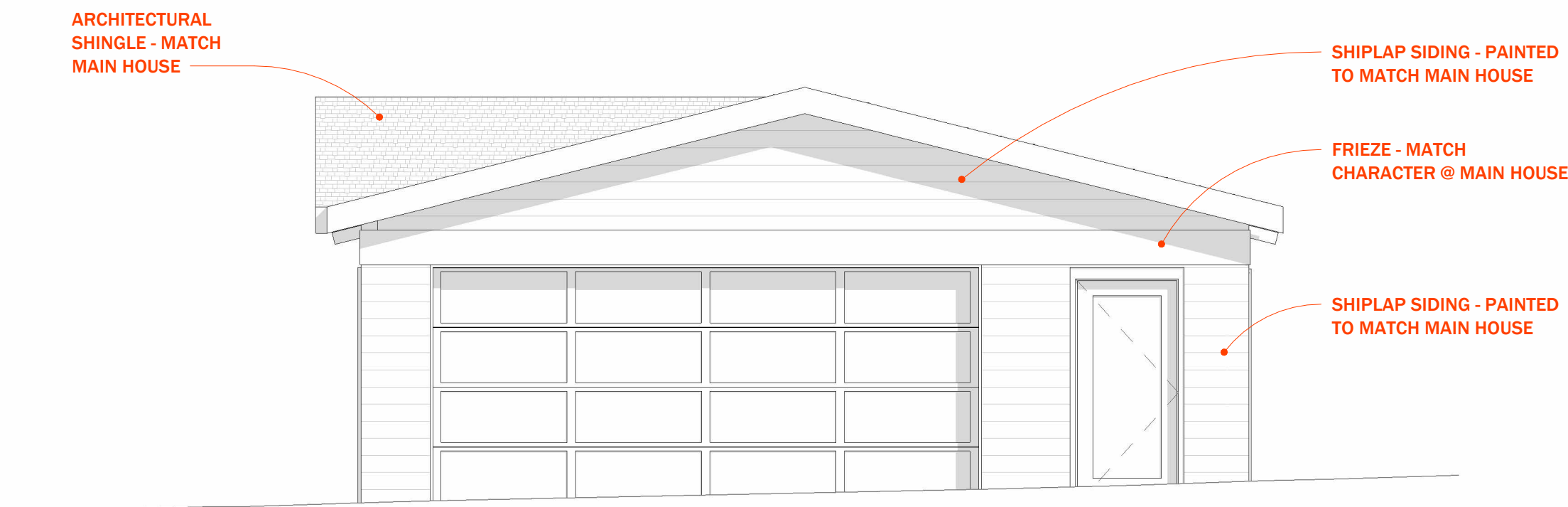




1

## ELEVATION - GARAGE SIDE A

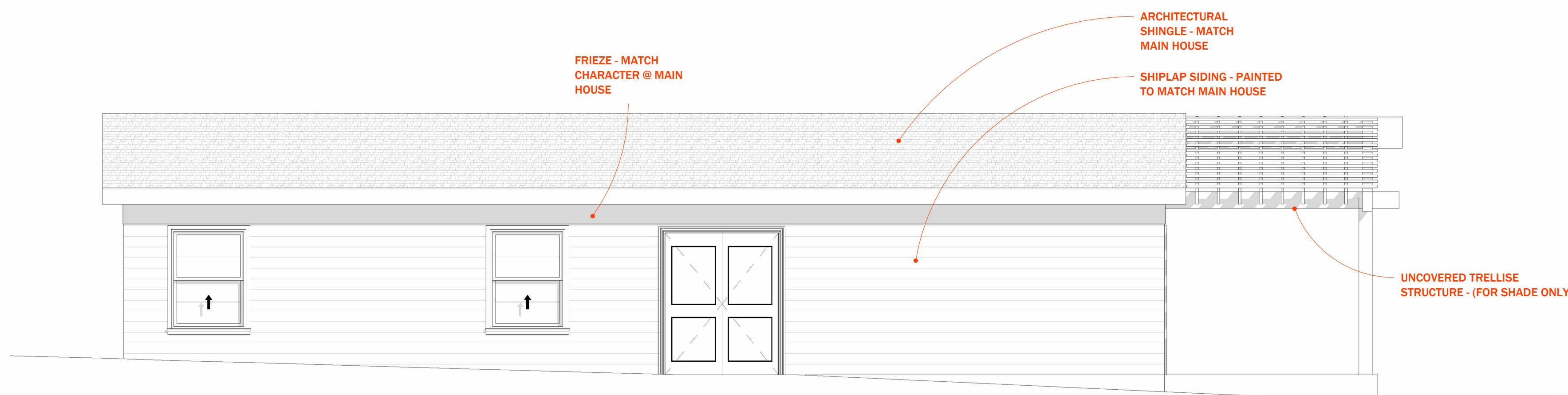
SCALE: 1/4" = 1'-0"



2

## ELEVATION - GARAGE @ ALLEY

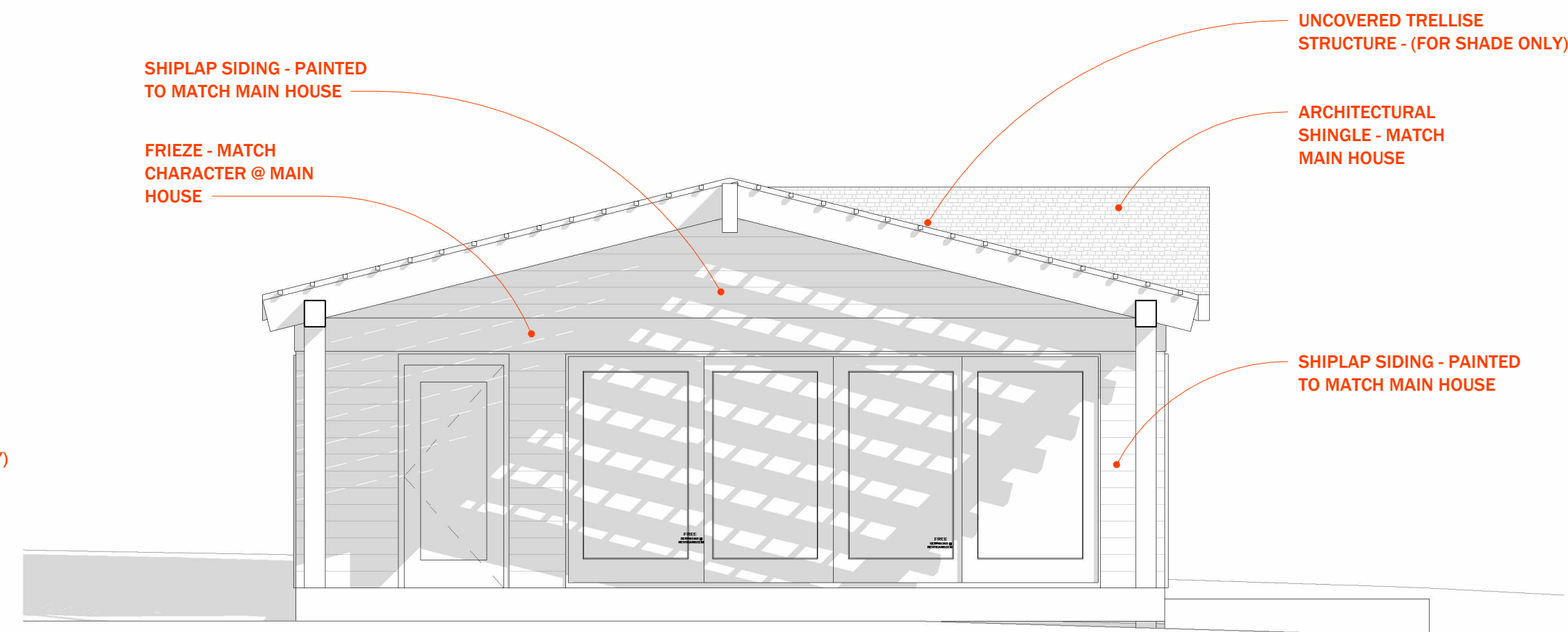
SCALE: 1/4" = 1'-0"



3

## ELEVATION - GARAGE SIDE B

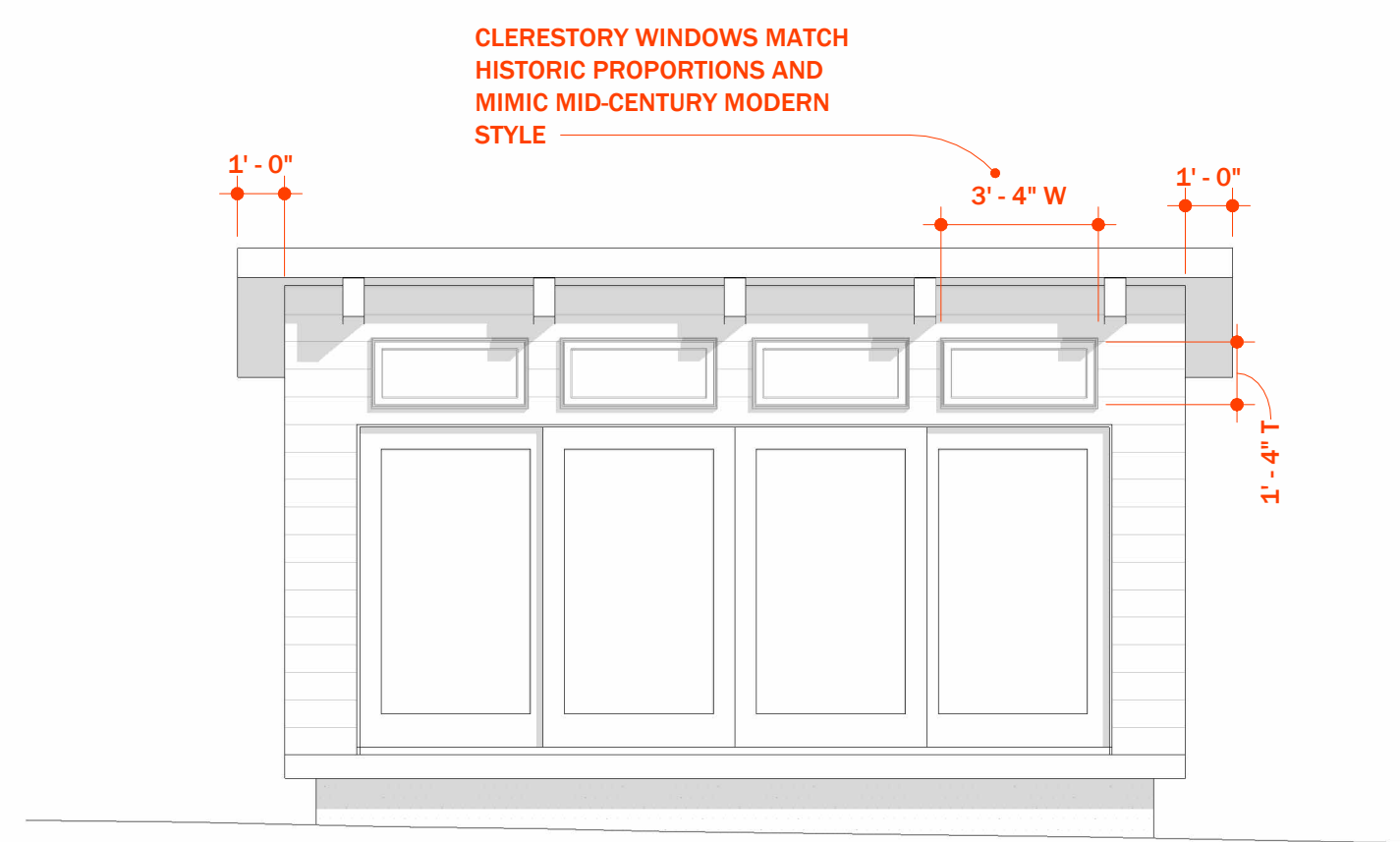
SCALE: 1/4" = 1'-0"



4

## ELEVATION - GARAGE @ YARD

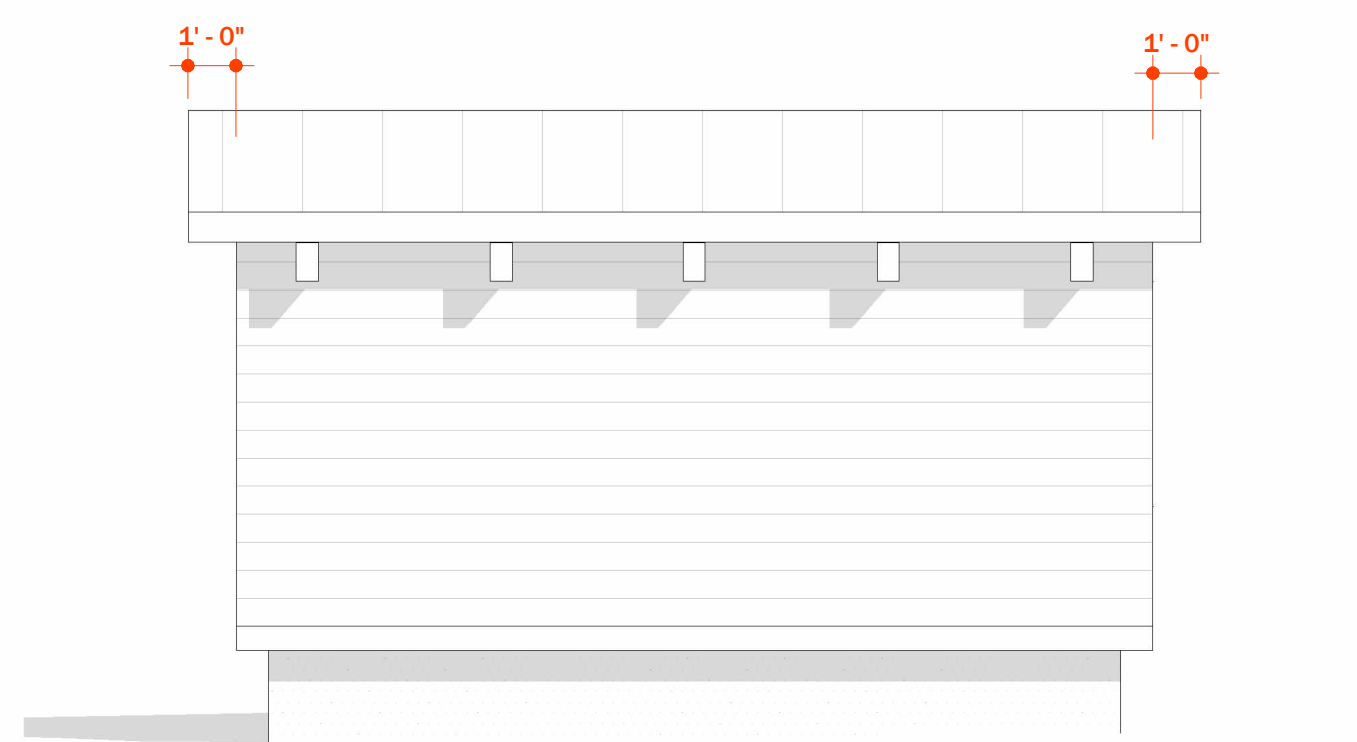
SCALE: 1/4" = 1'-0"



5

## ELEVATION - SHED FRONT

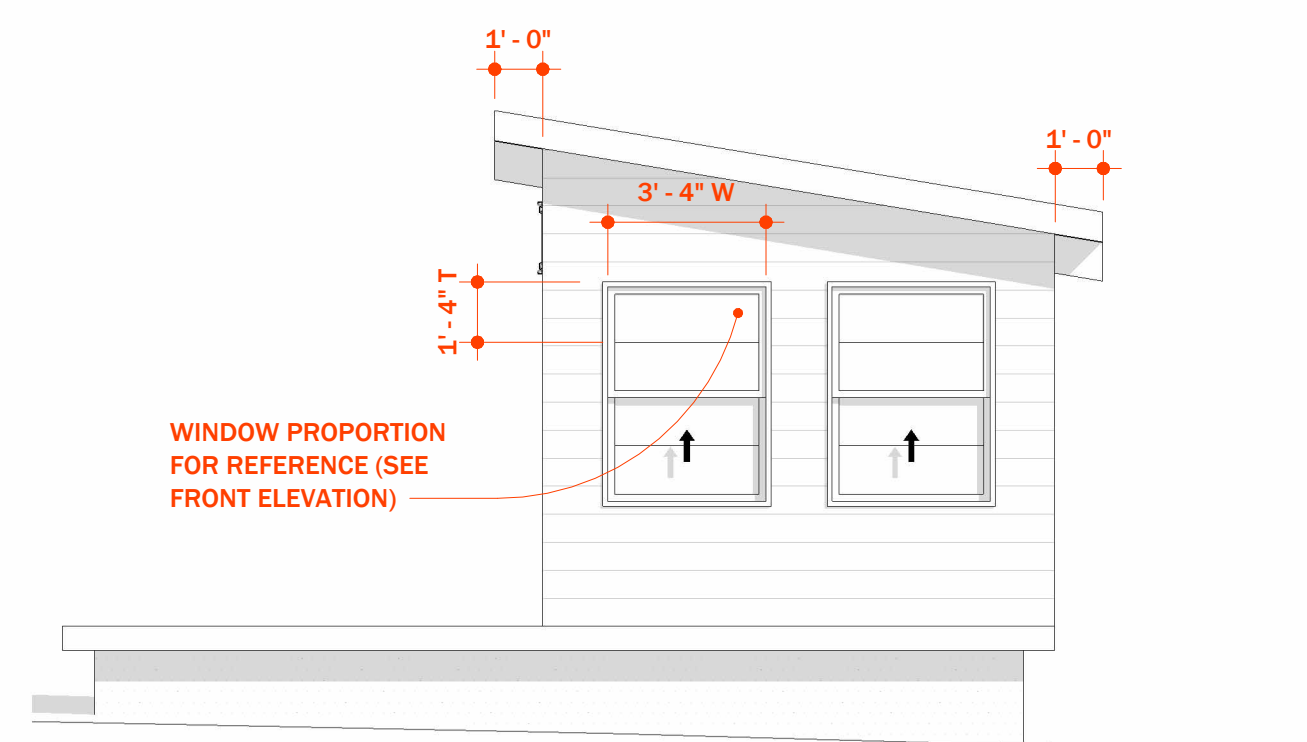
SCALE: 1/4" = 1'-0"



7

## ELEVATION - SHED REAR

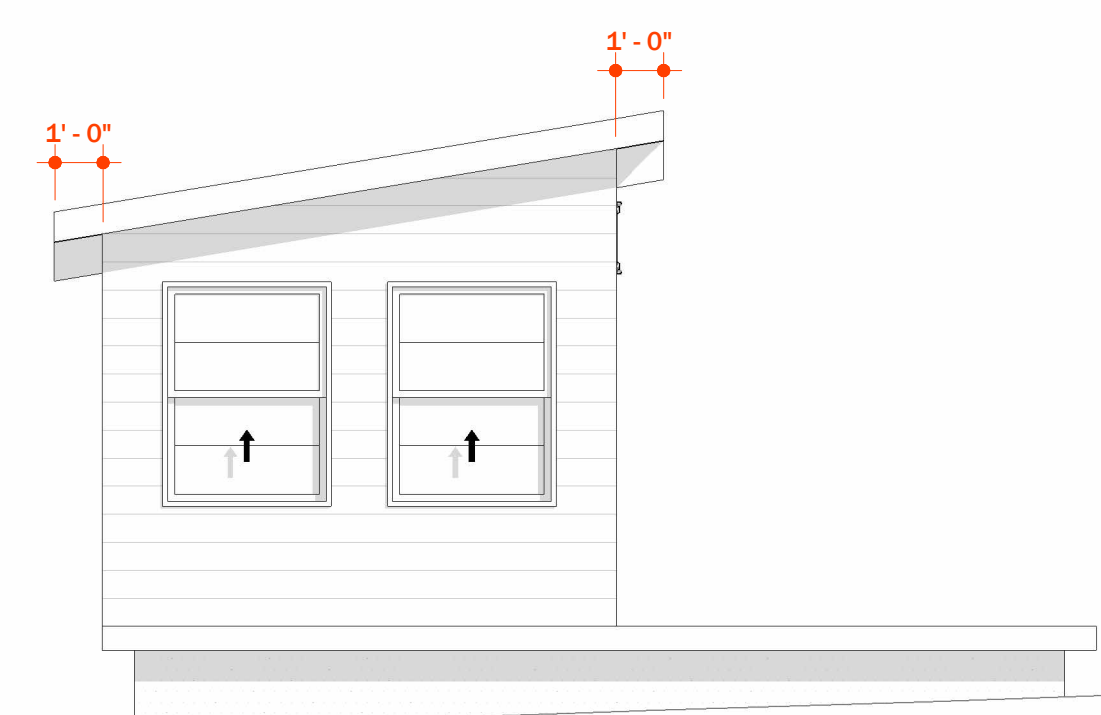
SCALE: 1/4" = 1'-0"



6

## ELEVATION - SHED SIDE A

SCALE: 1/4" = 1'-0"



8

## ELEVATION - SHED SIDE B

SCALE: 1/4" = 1'-0"



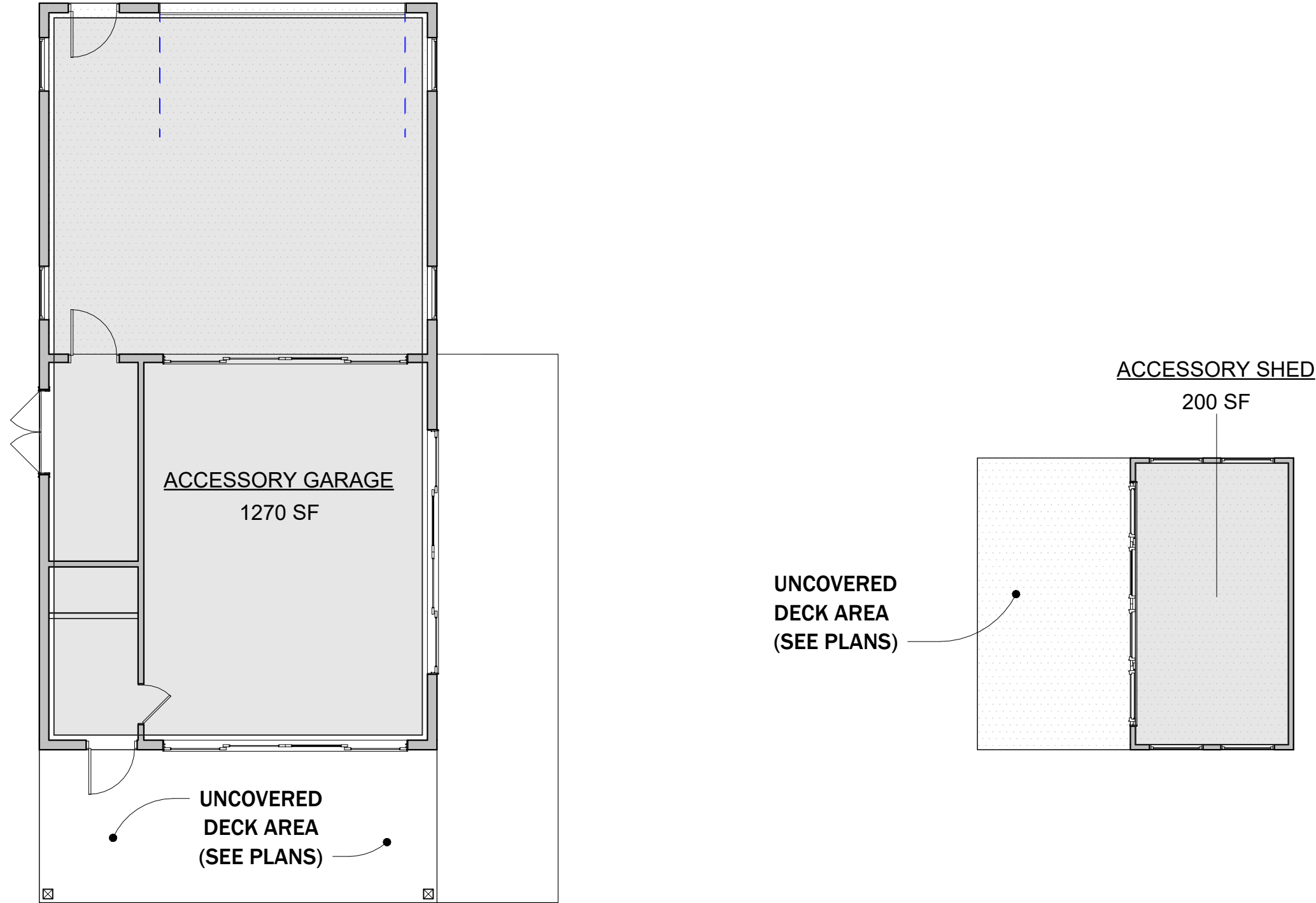
| AREA - HISTORIC |           |                       |
|-----------------|-----------|-----------------------|
| Area            | Level     | Name                  |
| 1562 SF         | 1ST FLOOR | EXISTING RESIDENCE    |
| 516 SF          | 1ST FLOOR | EXISTING PRIMARY WING |
| 2078 SF         |           |                       |

| AREA - TOTAL EXISTING |           |                       |
|-----------------------|-----------|-----------------------|
| Area                  | Level     | Name                  |
| 1562 SF               | 1ST FLOOR | EXISTING RESIDENCE    |
| 516 SF                | 1ST FLOOR | EXISTING PRIMARY WING |
| 527 SF                | 1ST FLOOR | PREVIOUS ADDITION     |
| 2604 SF               |           |                       |

| AREA - PROPOSED |           |                              |
|-----------------|-----------|------------------------------|
| Area            | Level     | Name                         |
| 1562 SF         | 1ST FLOOR | EXISTING RESIDENCE TO REMAIN |
| 1231 SF         | 1ST FLOOR | PROPOSED ADDITION            |
| 527 SF          | 1ST FLOOR | EXISTING ADDITION            |
| 3321 SF         |           |                              |

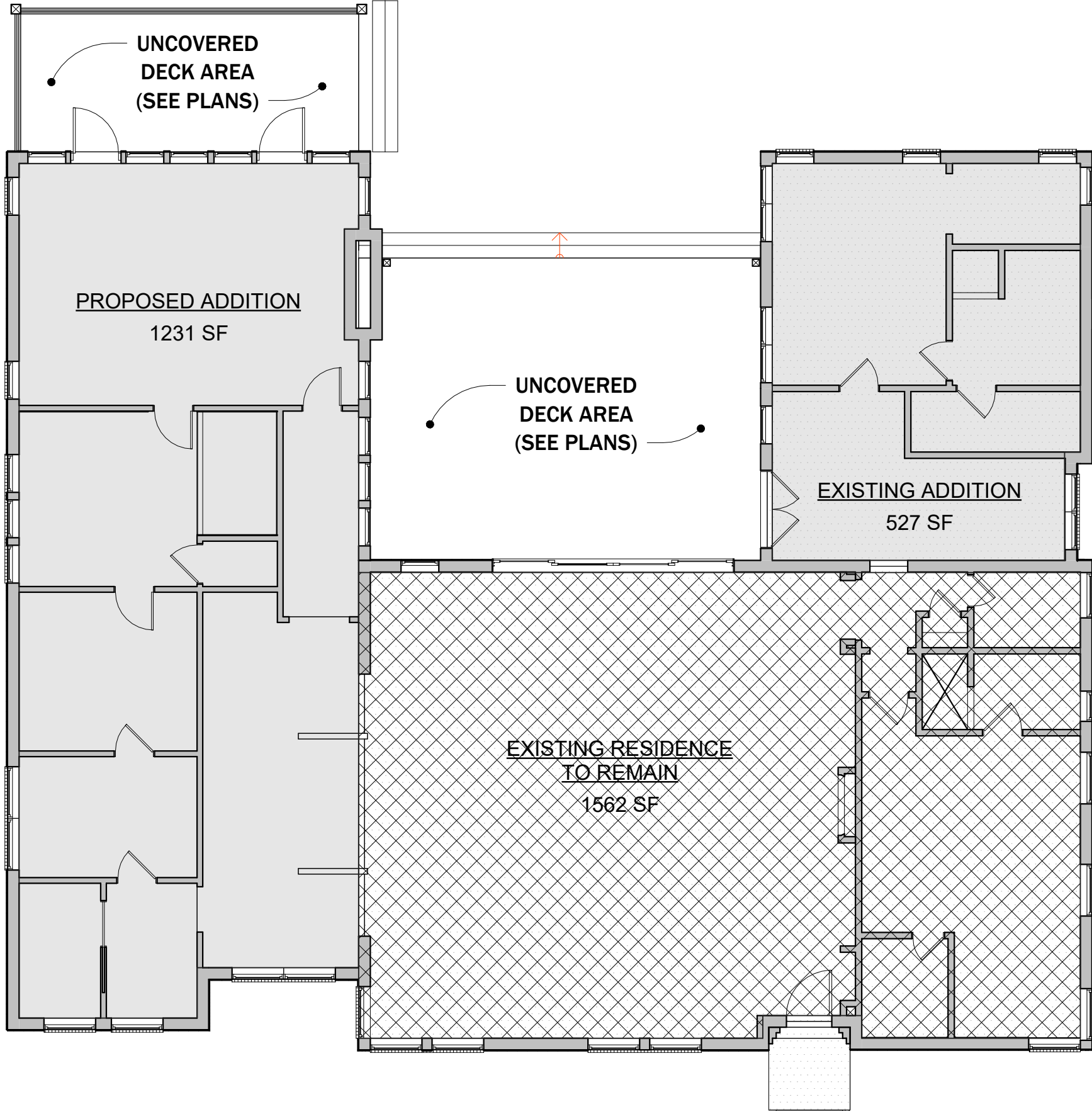
1,243 SF ADDED FROM CURRENT HISTORIC FOOTPRINT/SF - (59.8%)

| AREA - PROPOSED ACCESSORY |           |                  |
|---------------------------|-----------|------------------|
| Area                      | Level     | Name             |
| 200 SF                    | 1ST FLOOR | ACCESSORY SHED   |
| 1270 SF                   | 1ST FLOOR | ACCESSORY GARAGE |
| 1470 SF                   |           |                  |



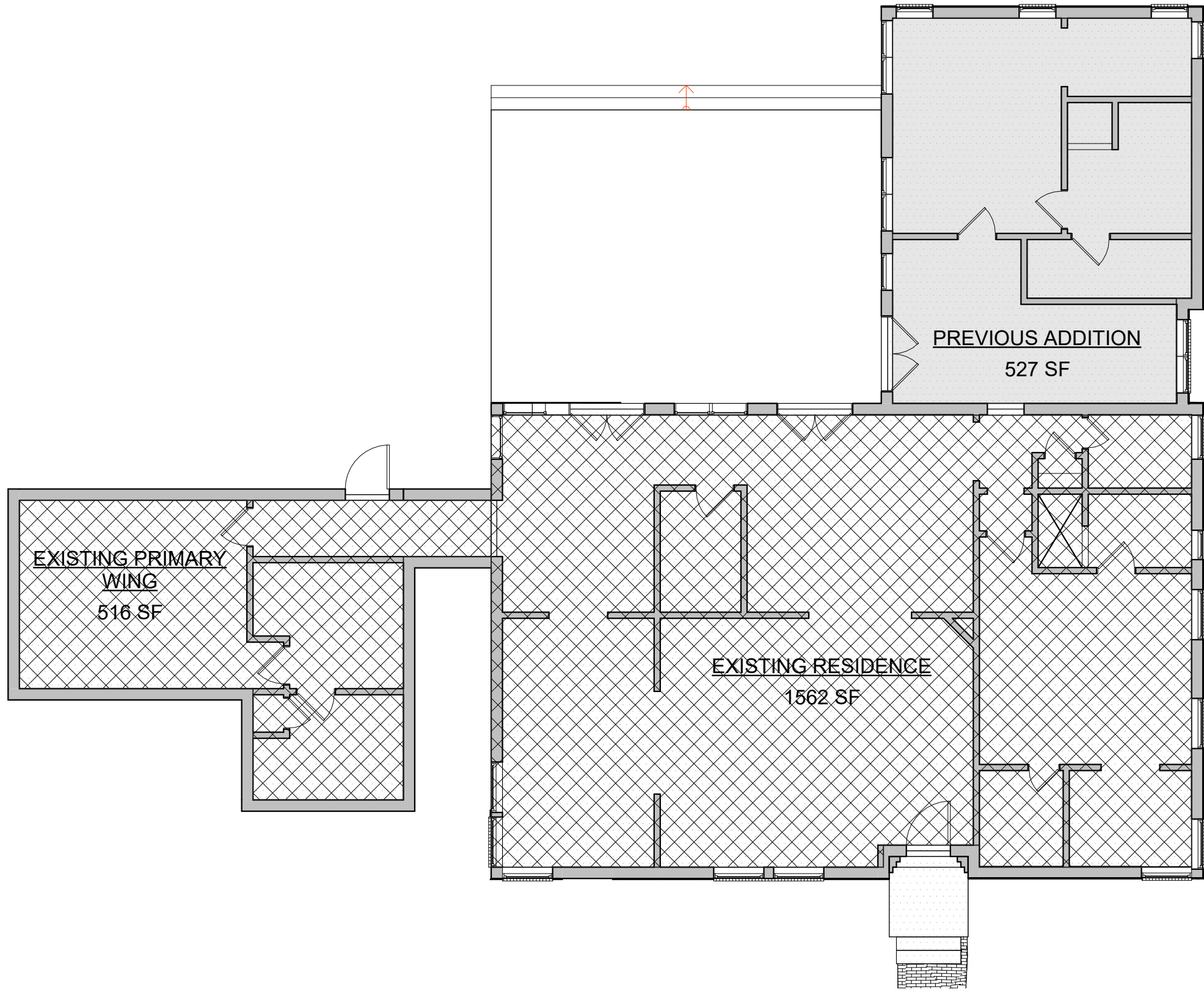
### 3 ACCESSORY STRUCTURES

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



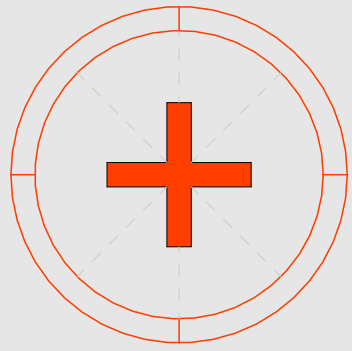
### 2 1ST FLOOR - PROPOSED AREA

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



### 1 1ST FLOOR - EXISTING AREA

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





RENOVATION  
CARMA & HUNTER DANIEL  
109 EVERBRIGHT AVE  
FRANKLIN, TN 37064



NOTE: PREVIOUS CERTIFICATE OF  
APPROPRIATENESS AWARDED FOR THIS  
SUBMISSION (FOR REFERENCE ONLY)

2831 BERRY HILL DRIVE  
SUITE 200  
NASHVILLE, TN 37204  
Phone: (615) 269-9248 Fax: (615) 627-1298  
email: quirkdesigns@comcast.net

QUIRK DESIGNS

RENOVATION  
CARMA & HUNTER DANIEL  
109 EVERBRIGHT AVE  
FRANKLIN, TN 37064

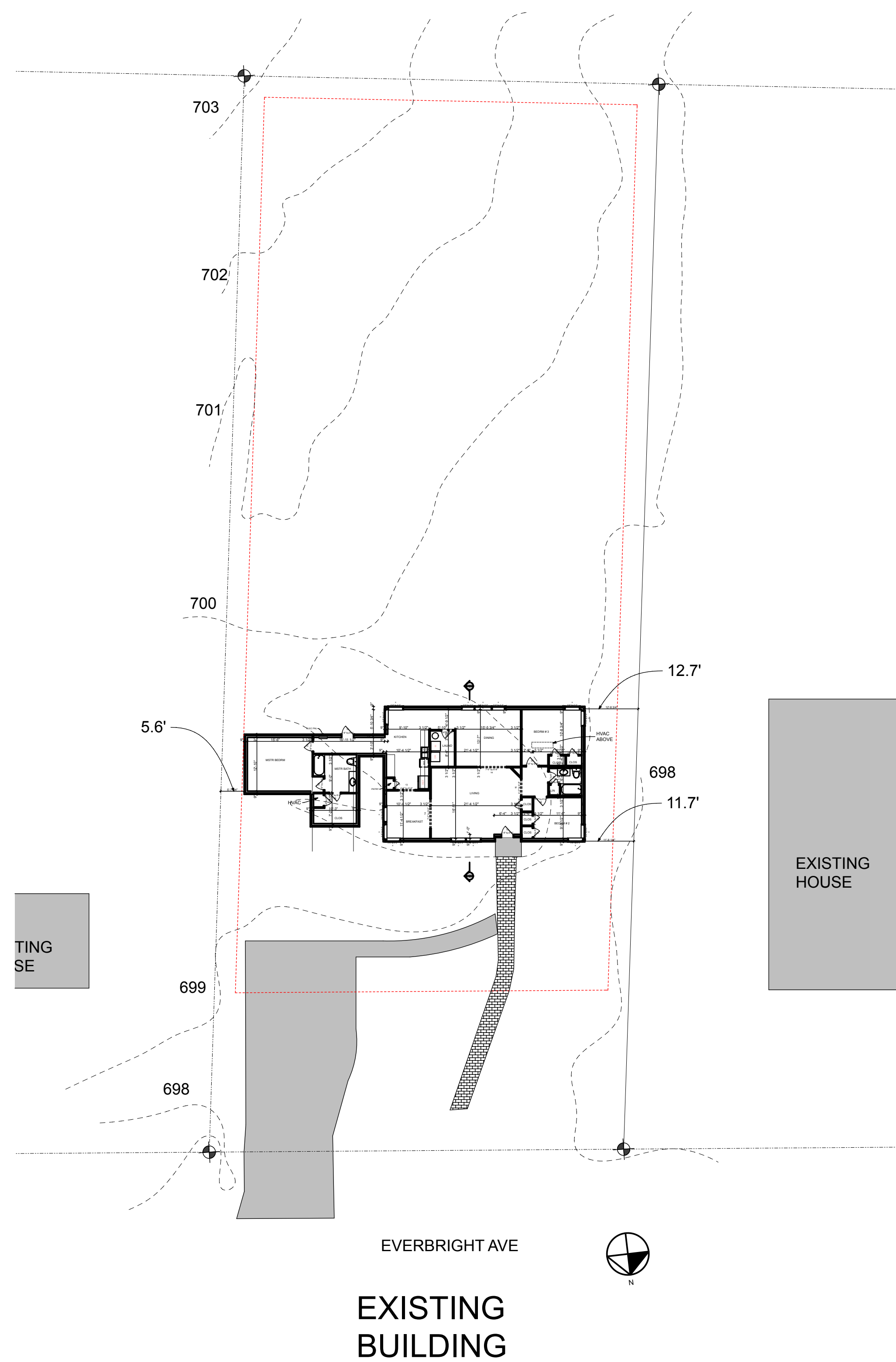
DATE: 5/24/16  
REVISION

PROJECT NO: 16-003  
COPYRIGHT 01/22/2015  
QUIRK DESIGNS

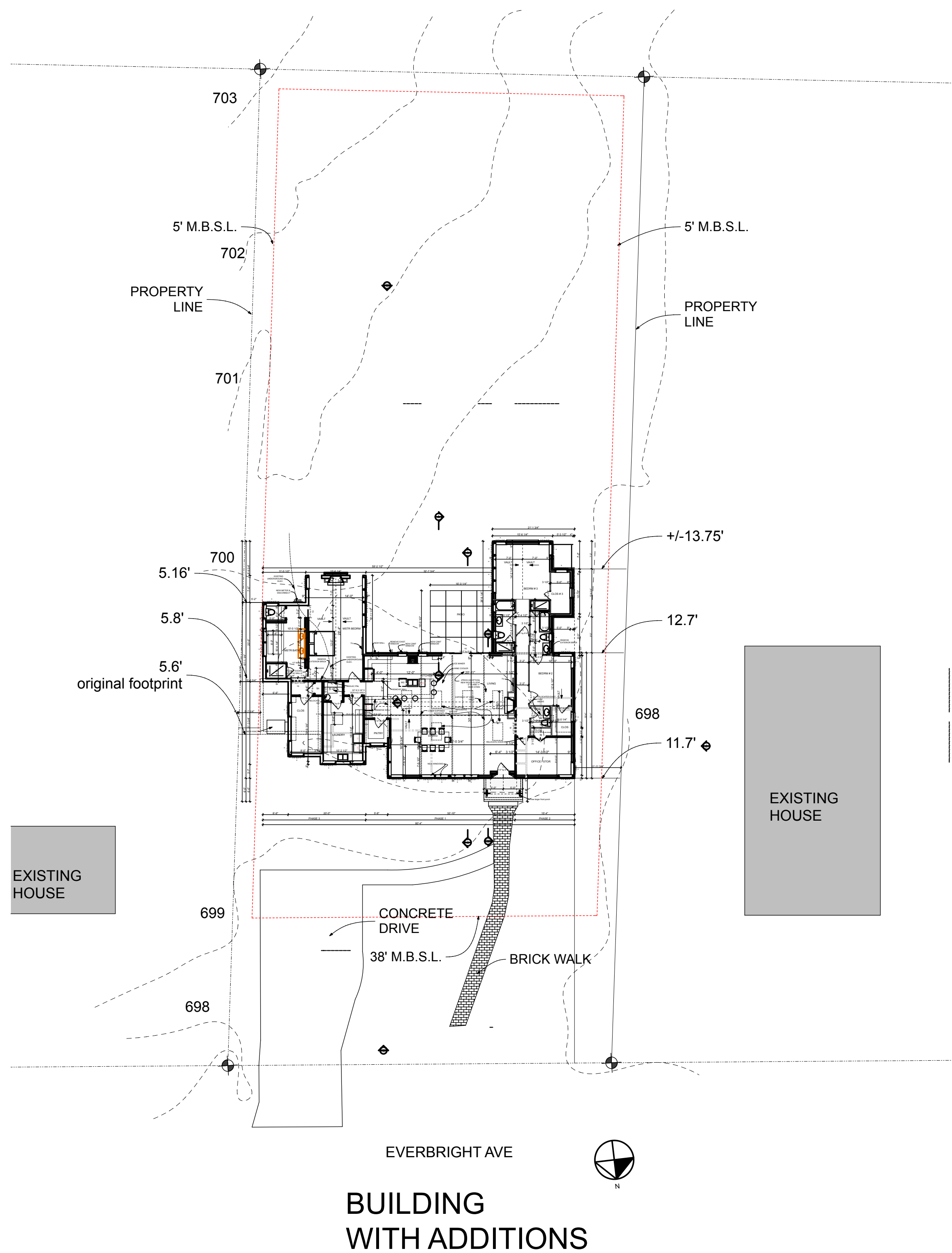
TITLE SHEET

T1  
SHEET 1



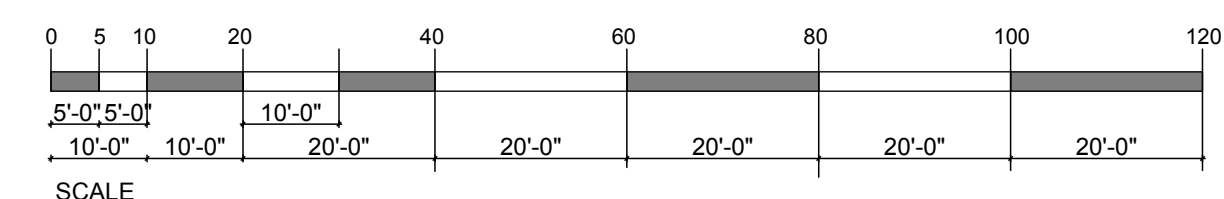


## 2 EXISTING BUILDING ON SITE



# 1 SITE PLAN

SCALE: 1" = 20'



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## SITE PLAN

C1  
SHEET 2



2

## EXISTING PLAN

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

### FLOOR AREA CALCULATIONS

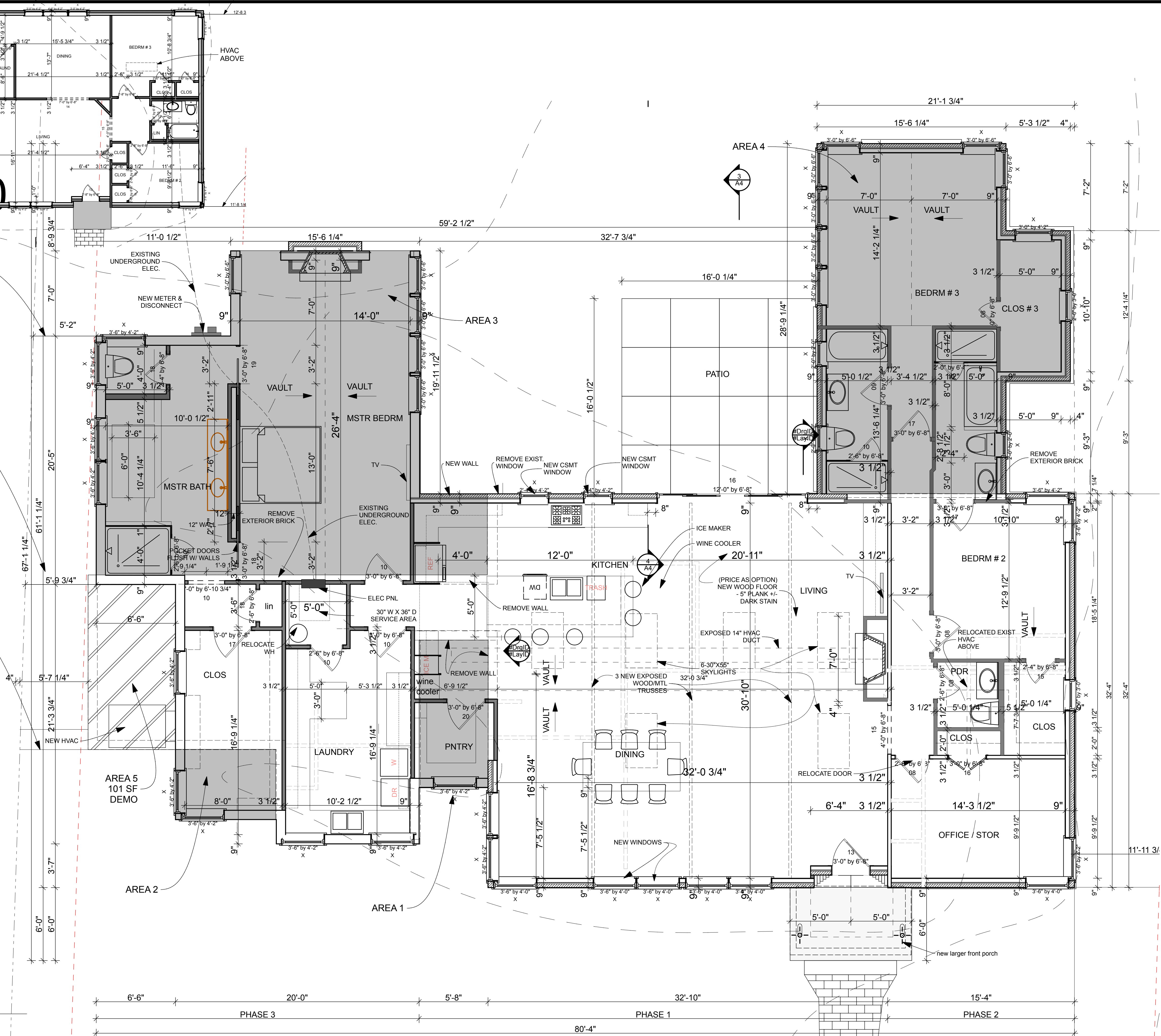
| EXISTING FLOOR AREA |               |
|---------------------|---------------|
| Zone Name           | Measured Area |
| EXISTING            | 2,065         |
|                     | 2,065 sq ft   |
| DEMO<br>(AREA 5)    | 101 SF        |
| EXISTING TO REMAIN  | 1,964 SF      |

| NEW AREAS          |               |
|--------------------|---------------|
| Zone Name          | Measured Area |
| AREA 1             | 68            |
| AREA 2             | 47            |
| AREA 3             | 667           |
| AREA 4             | 512           |
|                    | 1,294 sq ft   |
| EXISTING TO REMAIN | 1,964 SF      |
| NEW TOTAL          | 3,296 SF      |

1

## 1st FLOOR

SCALE: 1/4" = 1'-0"



RENOVATION  
CARMA & HUNTER DANIEL  
109 EVERBRIGHT AVE  
FRANKLIN, TN 37064

DATE: 5/24/16  
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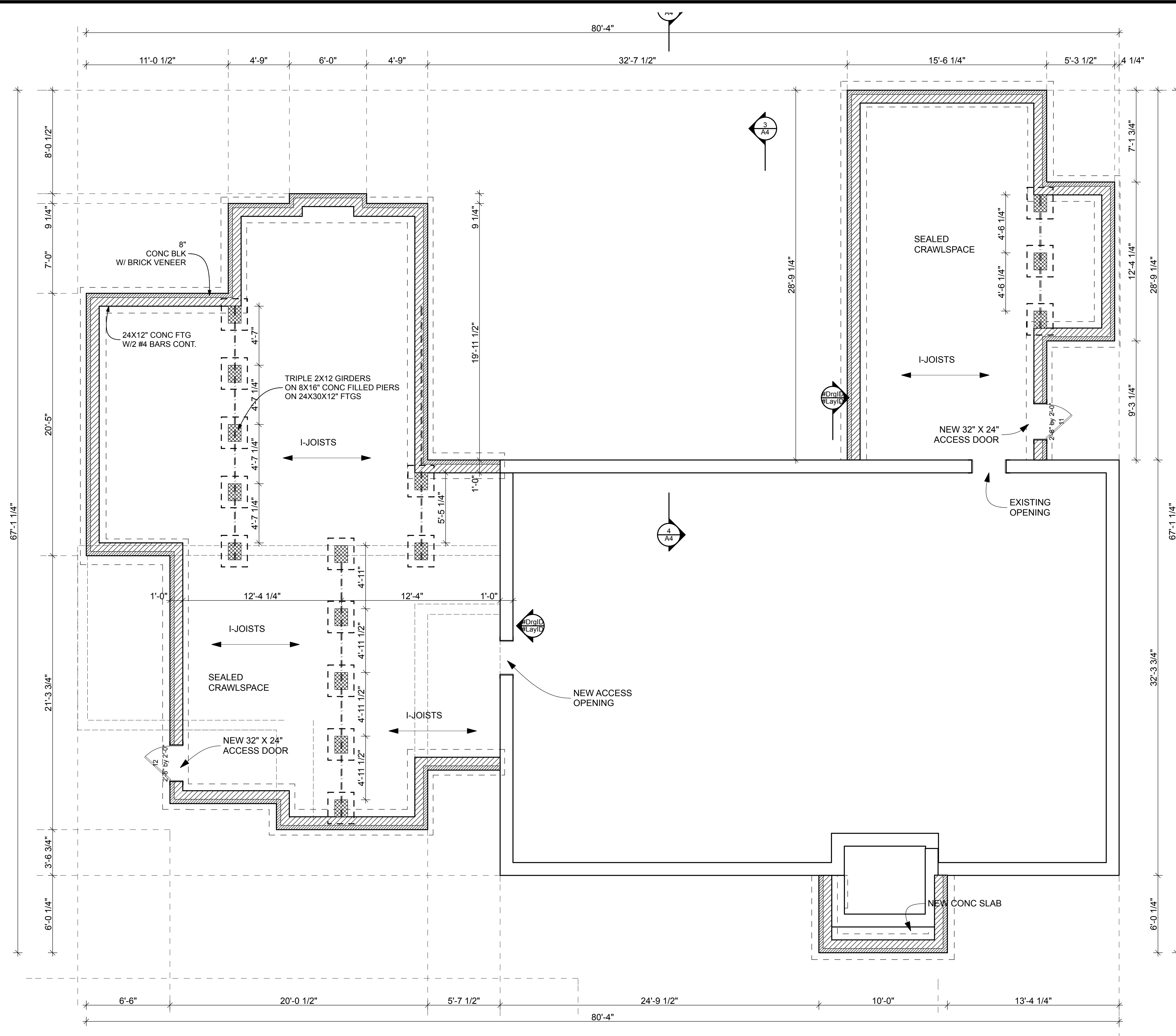
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FLOOR PLANS

A1  
SHEET 3

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# 1 FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

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FRANKLIN, TN 37064

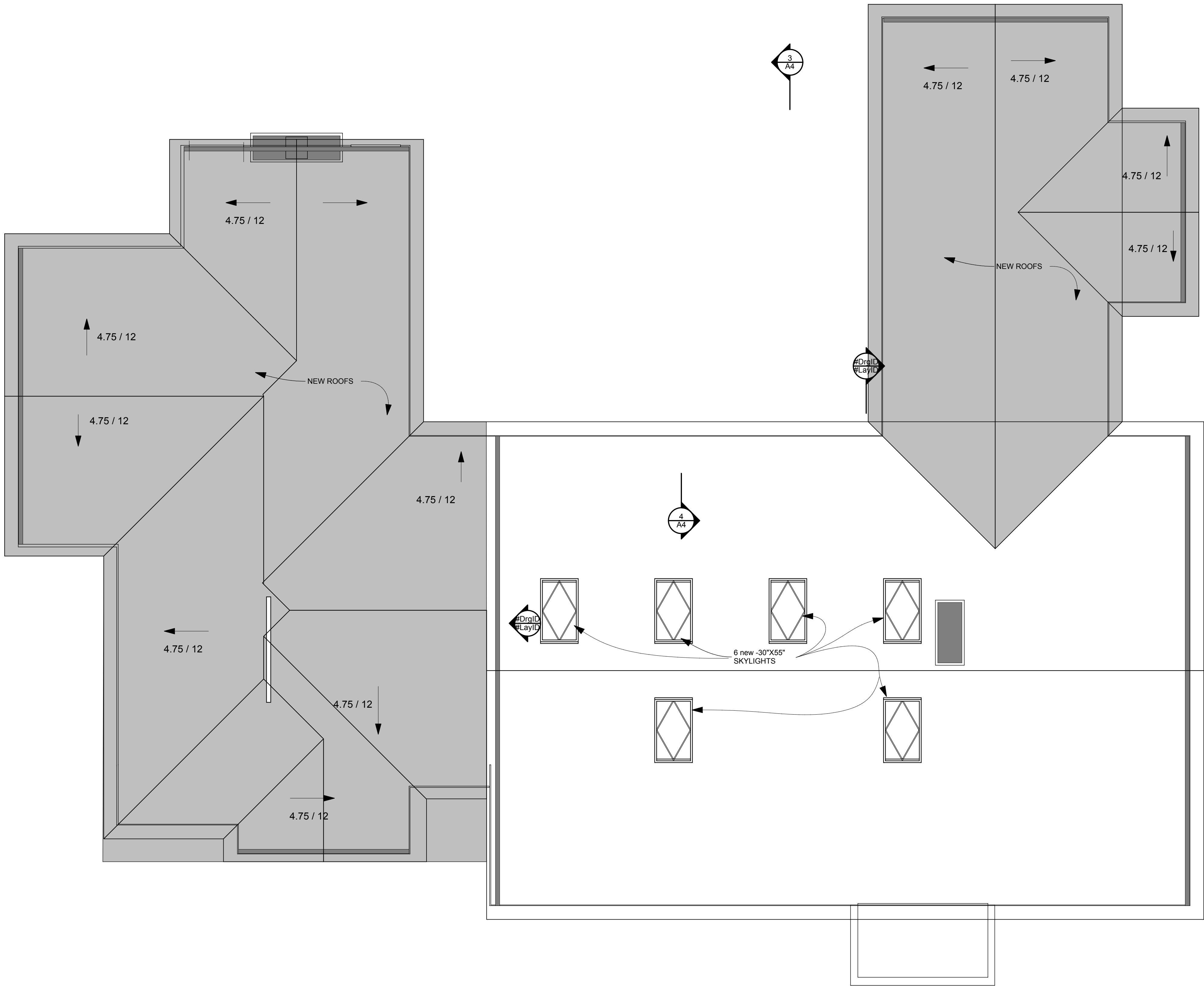
DATE: 5/24/16  
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## FOUNDATION PLAN

A2  
SHEET 4





1 ROOF PLAN  
SCALE: 1/4" = 1'-0"

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109 EVERBRIGHT AVE  
FRANKLIN, TN 37064

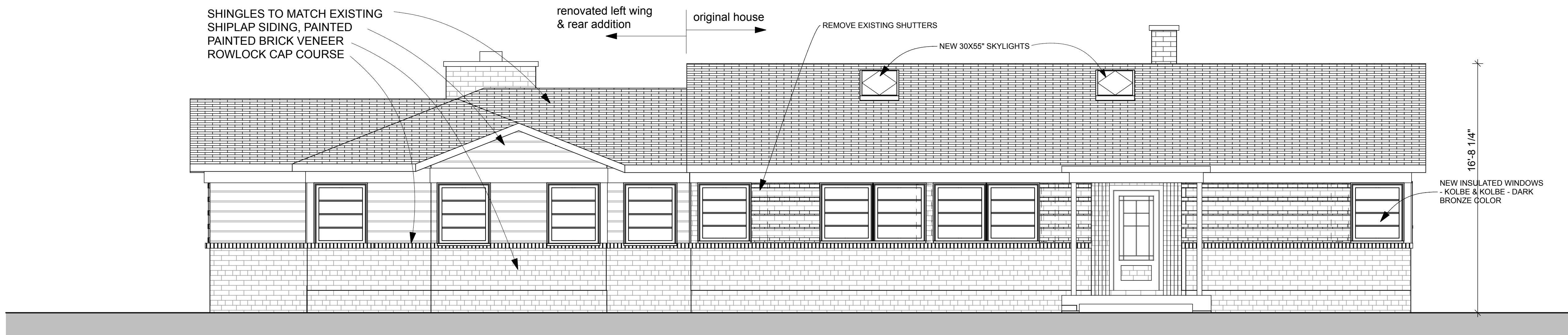
DATE: 5/24/16  
REVISION

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ROOF PLAN

A3  
SHEET 5

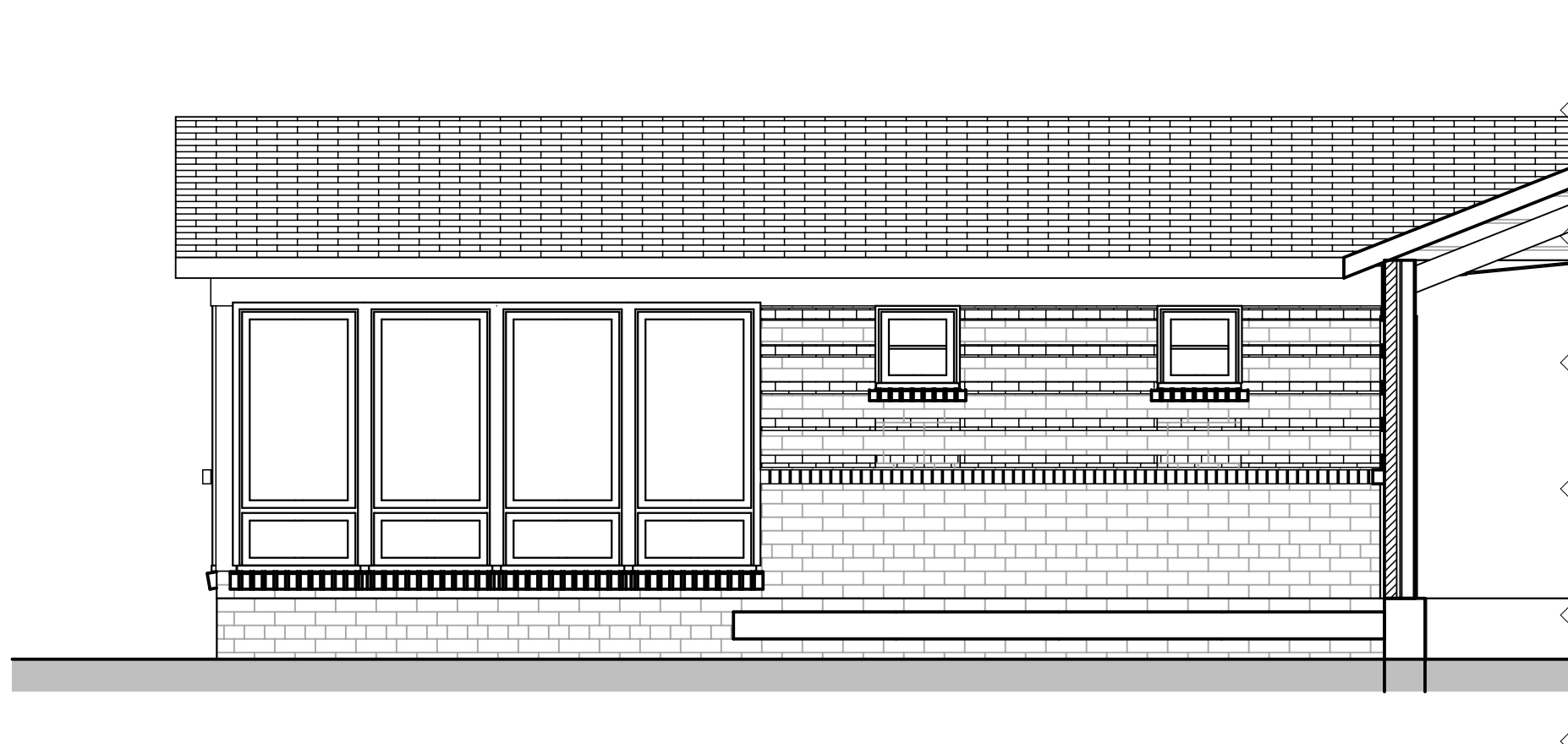




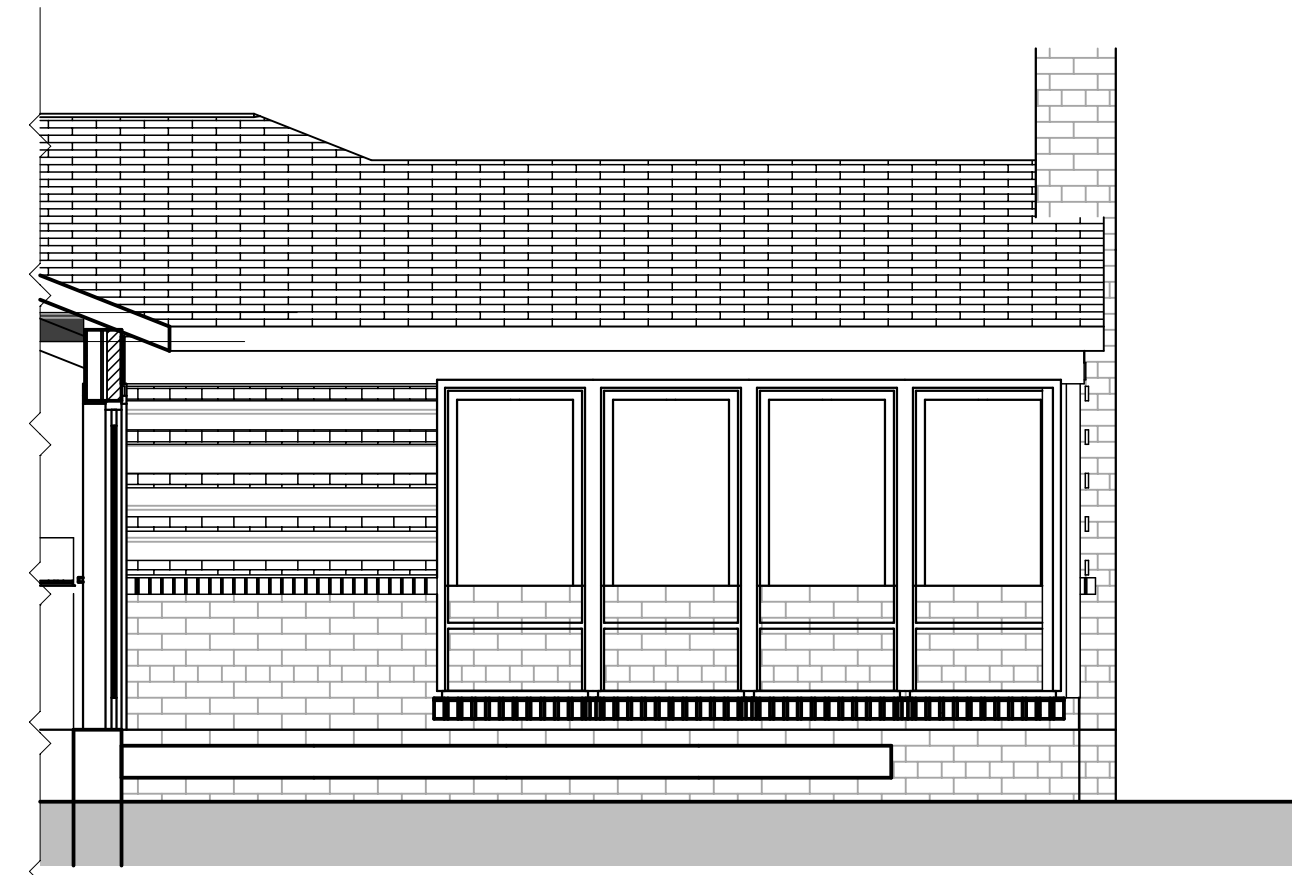
1 FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



2 REAR ELEVATION  
SCALE: 1/4" = 1'-0"



4 BEDROOM # 3 / PATIO SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



3 MSTR BEDRM PATIO ELEVATION  
SCALE: 1/4" = 1'-0"

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FRANKLIN, TN 37064

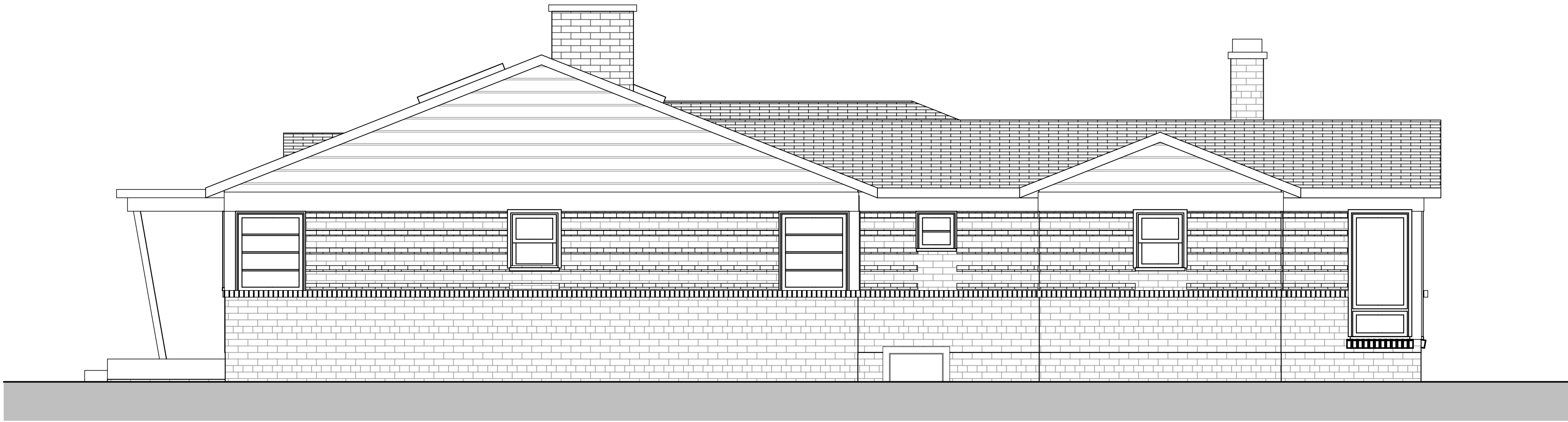
DATE: 5/24/16  
REVISION

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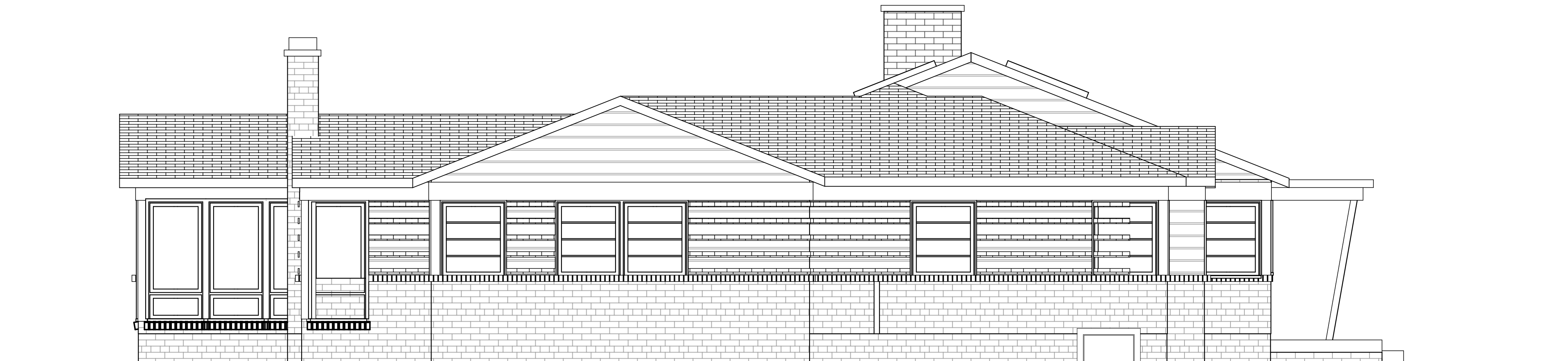
ELEVATION

A4  
SHEET 6





1 RIGHT ELEVATION  
SCALE: 1/4" = 1'-0"



2 LEFT ELEVATION  
SCALE: 1/4" = 1'-0"

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FRANKLIN, TN 37064

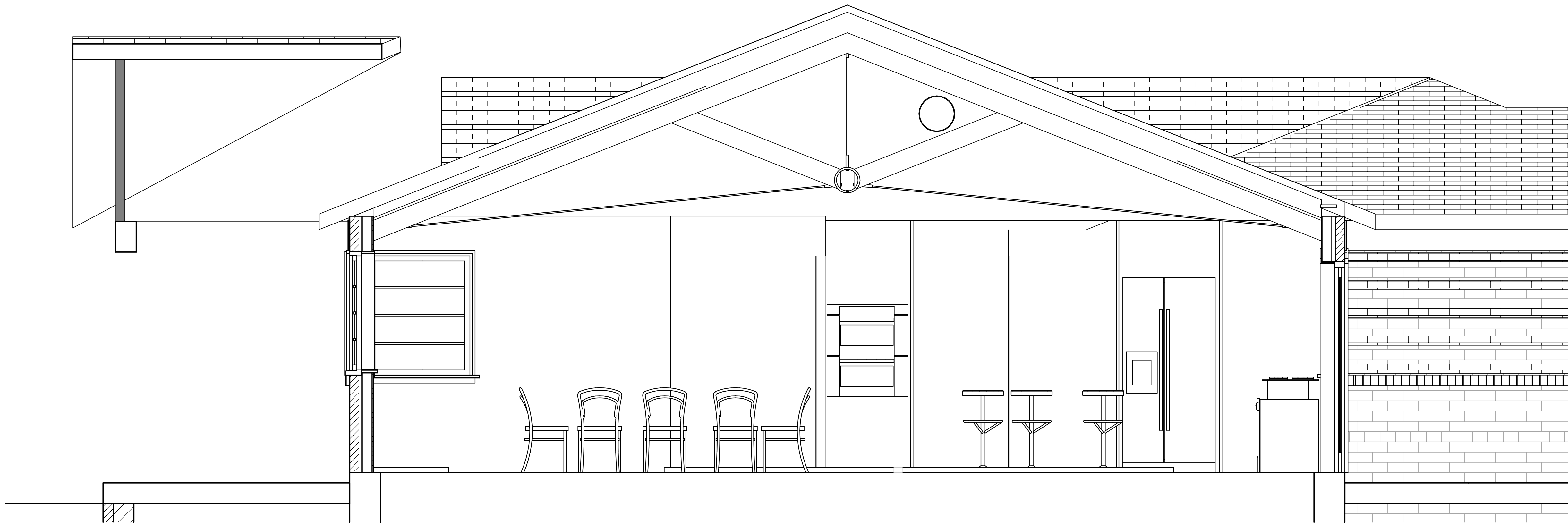
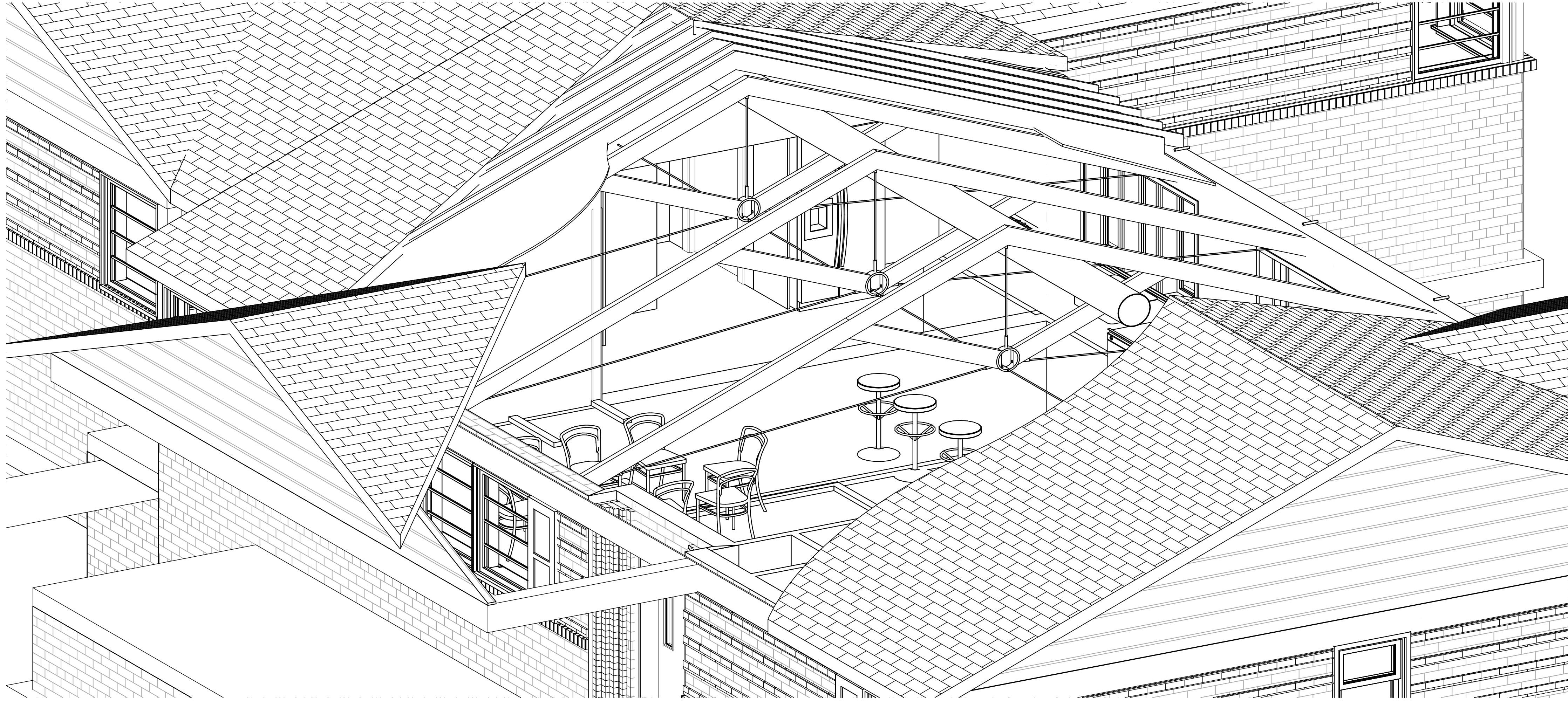
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ELEVATIONS

A5  
SHEET 7





3 SECTION @ NEW TRUSS  
SCALE: 1/2" = 1'-0"

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SECTIONS

A6  
SHEET 8



**June 8th, 2026**

**Design Review Committee**

City of Franklin Historic Preservation  
Franklin, Tennessee

**Re:**

Architect's Recommendation for Demolition  
Primary Wing Replacement  
109 Everbright Ave, Franklin, TN  
Historic Overlay District  
Hunter and Carma Daniel, Property Owners

Dear Members of the Design Review Committee:

On behalf of our clients, Hunter and Carma Daniel, and in our capacity as Architect of Record, Tandem Architecture + Design respectfully submits this letter in support of approval for the proposed demolition and replacement of the primary wing of the residence at 109 Everbright Ave in Franklin's Historic Overlay District. We understand and fully respect the intent of the Historic Overlay designation, and we approach this request not as an effort to circumvent that intent, but rather to fulfill it — ensuring that the character and integrity of the street-facing frontage is preserved for generations to come.

Tandem Architecture + Design has demonstrated experience working within historic overlay districts across the region, including projects in Smyrna, Davidson County, Germantown, and other designated communities. In each instance, our approach has been to work collaboratively with preservation staff and commissions to find solutions that honor the spirit of historic guidelines while addressing the practical realities of aging residential structures. This project is no different.

**Structural and Site Conditions Necessitating Demolition**

The primary wing in question presents a unique and serious set of structural conditions that distinguish it fundamentally from the remainder of the home. The balance of the existing structure is supported on a conventional crawlspace foundation, which provides the necessary ground clearance, access, and long-term durability expected of a well-built residential structure. The primary wing, by contrast, was constructed on a slab-on-grade foundation and is accessed via an interior ramp down from the main floor level — a configuration that is structurally inconsistent with the rest of the home and indicative of a secondary-phase addition rather than original construction.



This slab-on-grade condition introduces several compounding concerns:

- Differential settlement between the slab-on-grade wing and the crawlspace-supported primary structure, creating ongoing movement, cracking, and envelope failures that are difficult to remediate in a lasting way.
- Chronic moisture intrusion and documented dilapidated conditions at and below the slab elevation, exacerbated by the ramped transition, which introduces water management challenges not present in the raised crawlspace portions of the home.
- Limited access for inspection, maintenance, or future mechanical and utility upgrades due to the absence of a crawlspace cavity beneath the wing.
- A structural configuration that is not compatible with the long-term performance expectations of the rest of the home, and which would require disproportionate investment to stabilize without guaranteeing durability.

In short, targeted repair of this wing represents a short-term intervention on a fundamentally compromised condition. We are not recommending demolition lightly — we are recommending it because the alternative is a series of escalating band-aid repairs that will ultimately fail to provide the structural soundness this property and its occupants deserve.

### **Our Commitment to Historic Character and Street Frontage Preservation**

We wish to be unambiguous: the proposed replacement is not intended to alter the perceived character of the property from the public right-of-way. The replacement structure will be designed to align with and complement the massing, scale, material palette, and architectural language established by the existing home and its context within the Everbright Ave streetscape. All design decisions pertaining to the street-facing elevation will be made with the explicit goal of preserving and reinforcing the historic character of the Franklin overlay district.

Our view is that the best way to honor the historic district's long-term integrity is to replace a deteriorating, structurally inconsistent wing with a properly engineered structure that will perform reliably for the next fifty years. Preserving the visual character of the street frontage is only meaningful if the underlying structure can sustain it. A building that continues to settle, leak, and degrade is not consistent with the spirit of historic preservation — it simply defers the problem.

### **Relevant Experience and Collaborative Approach**

As noted above, Tandem Architecture + Design has navigated historic overlay reviews in numerous jurisdictions throughout Middle Tennessee. We are familiar with the sensitivity these designations require and with the Committee's role in stewarding the visual and cultural legacy of Franklin's historic

neighborhoods. We welcome the opportunity to present our design proposal to Committee staff at the earliest opportunity and are committed to a collaborative review process.

We respectfully request that the Committee consider the totality of the evidence and design intent presented here and grant approval for the proposed demolition and replacement of the primary wing. We believe this path forward best serves the property, the Daniel family, and the neighborhood's historic character — not just today, but well into the future.

We are available to provide any additional documentation, assessments, or design materials requested by Committee staff. Thank you for your time and consideration.

Respectfully submitted,



**Asher Paxton**  
Principal Architect  
Co Founder - Tandem Architecture & Design



**Caleb Spearing**  
Managing Partner  
Co Founder - Tandem Architecture & Design





**AERIAL VIEWS OF EVERBRIGHT.**  
OWNER'S HOME IS 109 (4TH FROM COLUMBIA).

113 EVERBRIGHT (6TH FROM COLUMBIA) SHOWN WITH LARGE ADDITION WITH ~30 FOOT ROOF. 113 WAS NOT INCLUDED IN THE HISTORICAL OVERLAY.

THE PROPOSED ALTERATIONS TO THE OWNER'S HOME ARE MINIMAL COMPARED TO THE RECENT CONSTRUCTION JUST TWO DOORS DOWN ON THE SAME STREET BOTH IN SCALE OF AREA AND OVERALL HEIGHT.

THE PROPOSED ALTERATIONS TO 109 EVERBRIGHT WILL IMPROVE THE STREETScape AND WILL NOT ALTER THE STREET VIEWS IN ANY NEGATIVE FASHION. THIS IS ESPECIALLY TRUE WHEN COMPARED TO 113'S RECENT OVERSIZED ADDITION

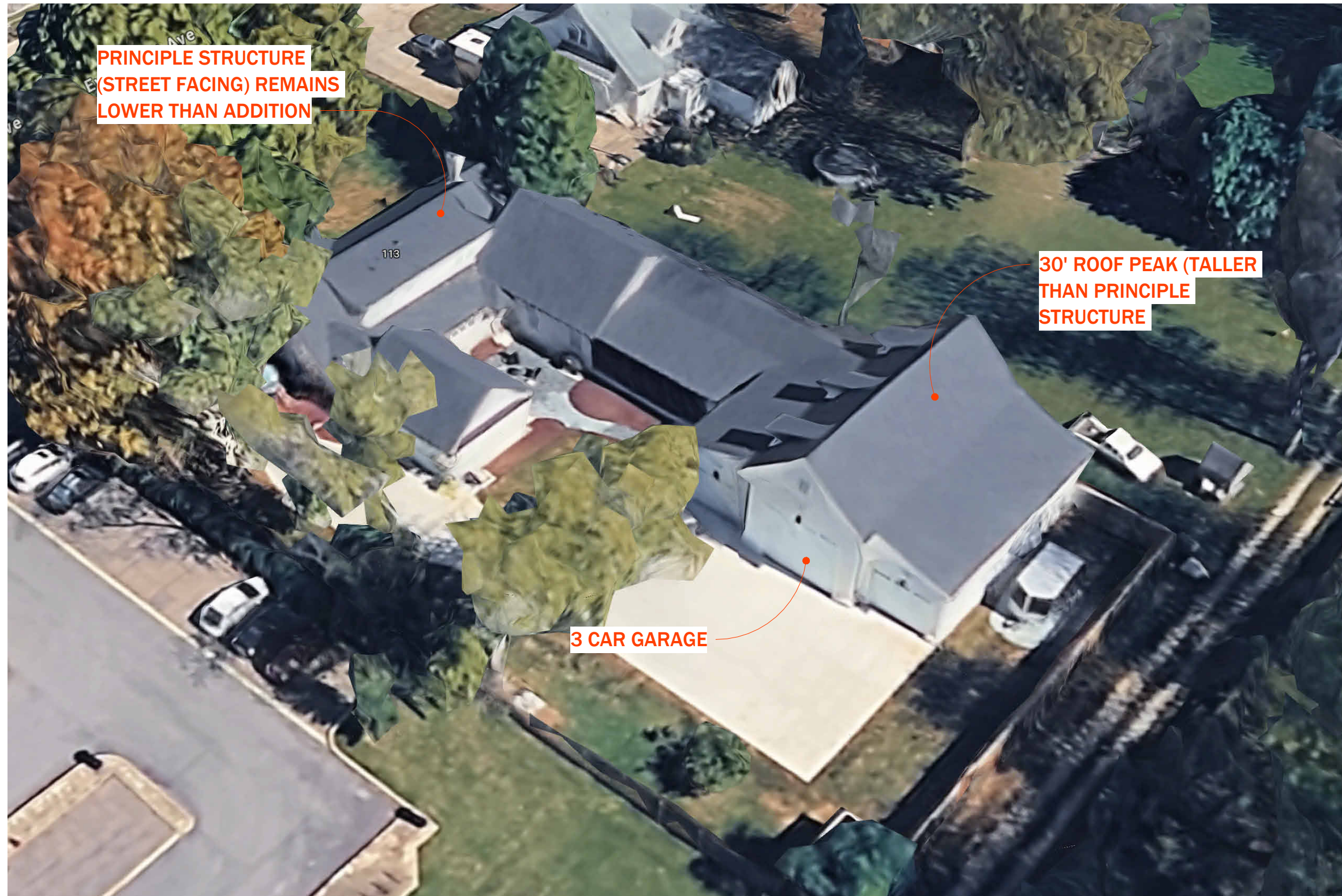
















ALLEY FACING DADU WITH GARAGE

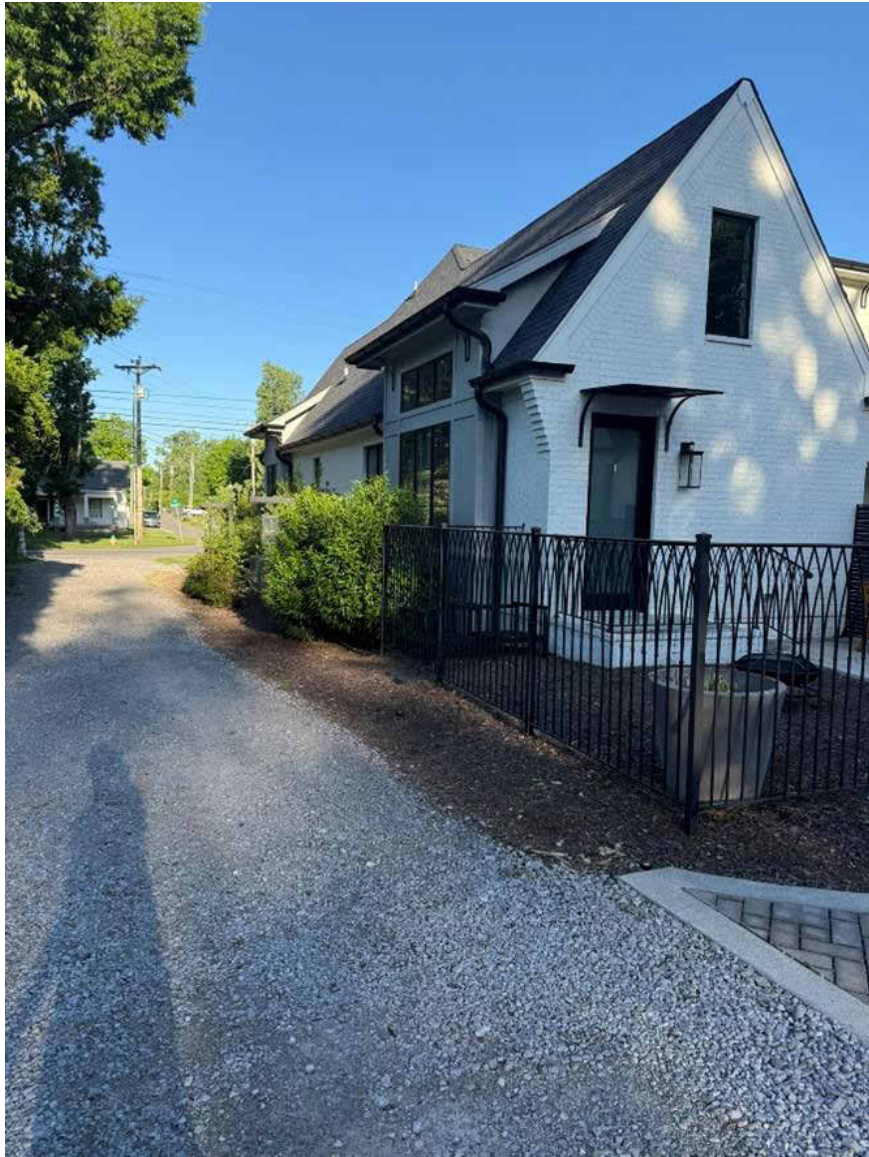


ALLEY VIEWS BETWEEN EVERBRIGHT AND BATLLE AVE



NEW 2-STORY BUILD TO LEFT





NEW CONSTRUCTION AT CORNER OF COLUMBIA AND ALLEY. ALL VIEWS ARE FROM THE ALLEY.





103 EVERBRIGHT AVE



105 EVERBRIGHT AVE



107 EVERBRIGHT AVE



109 EVERBRIGHT AVE



# TANDEM

architecture + design

---

**109 EVERBRIGHT AVE**  
HISTORIC DISTRICT - FRANKLIN, TN





LAP SIDING

Hardie Board plank lap siding

10” to match existing

Smooth Texture

Painted — Sherwin Williams “Snowbound” (SW 7004); semi-gloss sheen

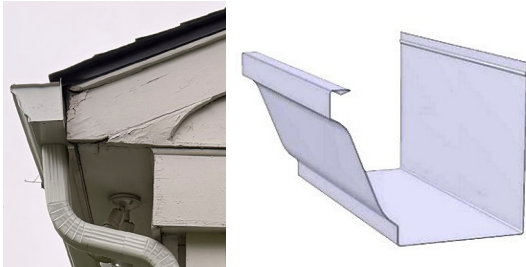


Pewter Gray

ROOFING

Architectural Shingle Roof

Color - Pewter Gray



GUTTERS

Aluminum K-style gutter

Painted — white to match trim

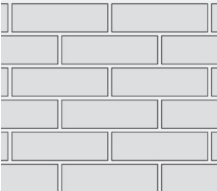
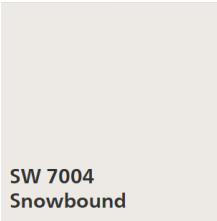
5” K-style aluminum gutter;  
3”x4” rectangular downspout.



EXISTING EXTERIOR PHOTO  
(FOR REFERENCE)



EXISTING BRICK DETAIL  
(FOR REFERENCE)



BRICK VENEER

General Shale Five Points Brick  
Standard-modular brick; painted.

Running bond pattern - raked mortar  
joints at every 4th course (match ex-  
isting condition - see sample photo)

2 courses of brick relief in line with  
window sill (match existing banding)

Painted — Sherwin Williams “Snow-  
bound” (SW 7004); semi-gloss sheen

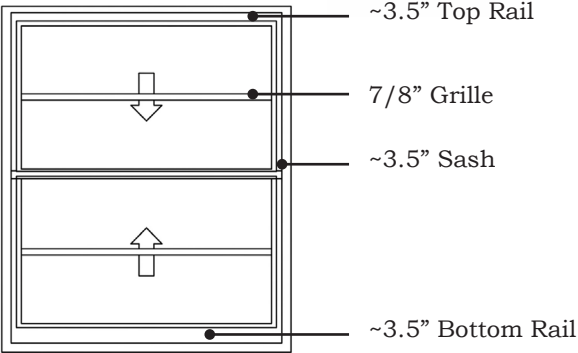
WINDOWS

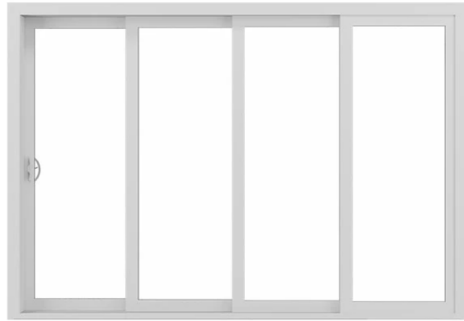
Single-Hung / Fixed

Pella Reserve Traditional Series -  
Aluminum Clad

Custom Grill Pattern - Single  
Horizontal Grille per window pane  
(match existing historic)

Frame: “Classic White” color





**SLIDING DOOR**

Pella Reserve Traditional Series  
Wood Sliding

4 panel sliding door

Color - White

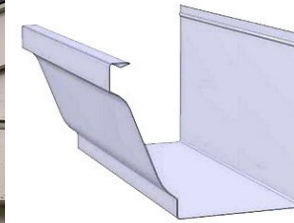


Pewter Gray

**ROOFING**

Architectural Shingle Roof

Color - Pewter Gray



**GUTTERS**

Aluminum K-style gutter

Painted — white to match trim

5" K-style aluminum gutter;  
3"x4" rectangular downspout.

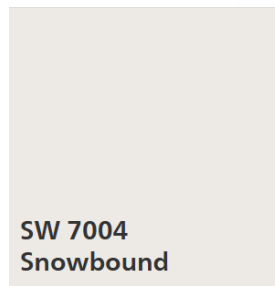
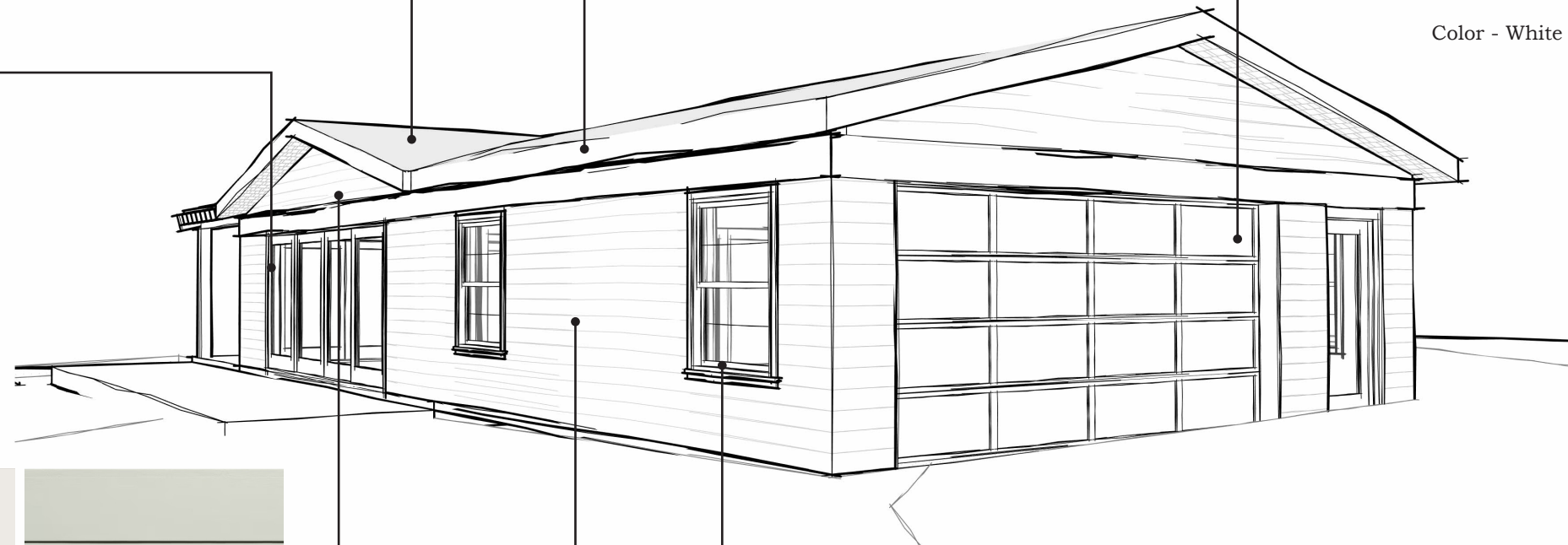


**GARAGE DOOR**

Double Garage door

Style - Coachman with upper lites

Color - White



**SW 7004  
Snowbound**

**LAP SIDING**

Hardie Board plank lap siding

10" to match existing

Smooth Texture

Painted — Sherwin Williams "Snowbound" (SW 7004); semi-gloss sheen

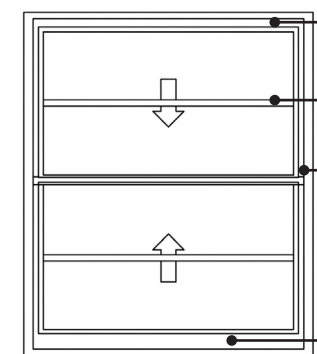
**WINDOWS**

Single-Hung / Fixed

Pella Reserve Traditional Series -  
Aluminum Clad

Custom Grill Pattern - Single  
Horizontal Grille per window pane  
(match existing historic)

Frame: "Classic White" color



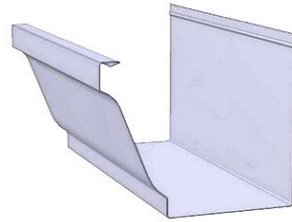
~3.5" Top Rail

7/8" Grille

~3.5" Sash

~3.5" Bottom Rail





**GUTTERS**

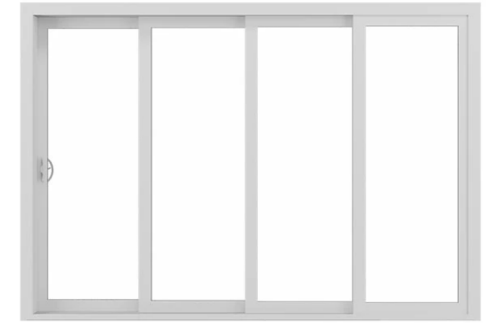
Aluminum K-style gutter  
  
Painted — white to match trim  
  
5” K-style aluminum gutter;  
  
3”x4” rectangular downspout.



Pewter Gray

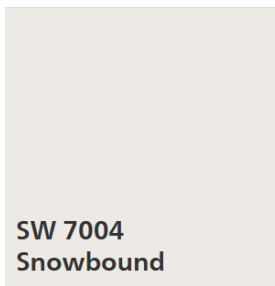
**ROOFING**

Architectural Shingle Roof  
  
Color - Pewter Gray



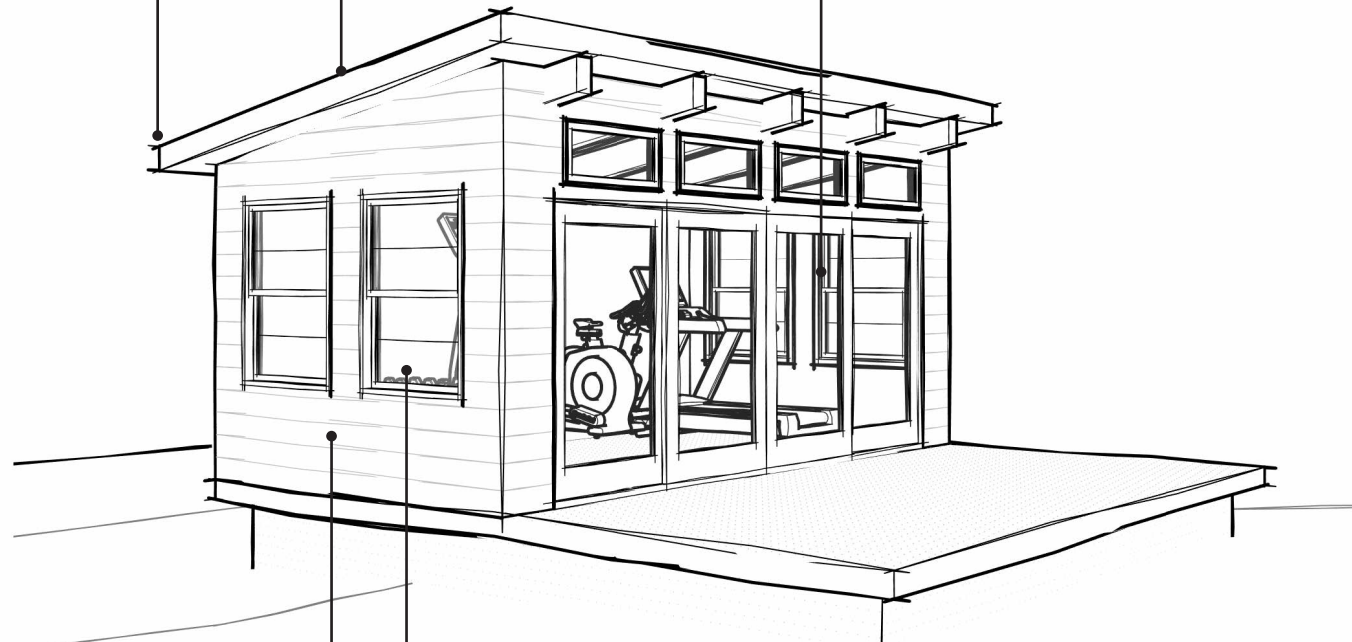
**SLIDING DOOR**

Pella Reserve Traditional Series  
Wood Sliding  
  
4 panel sliding door  
  
Color - White



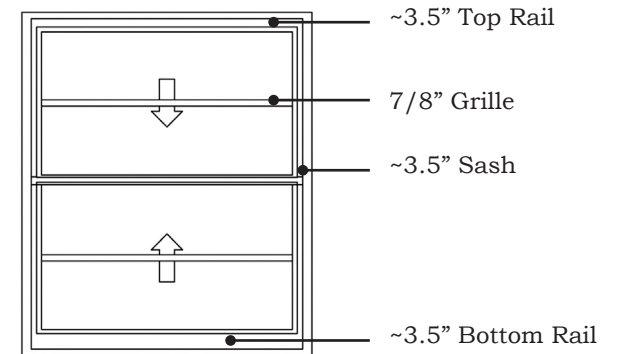
**LAP SIDING**

Hardie Board plank lap siding  
  
10” to match existing  
  
Smooth Texture  
  
Painted — Sherwin Williams “Snowbound” (SW 7004); semi-gloss sheen

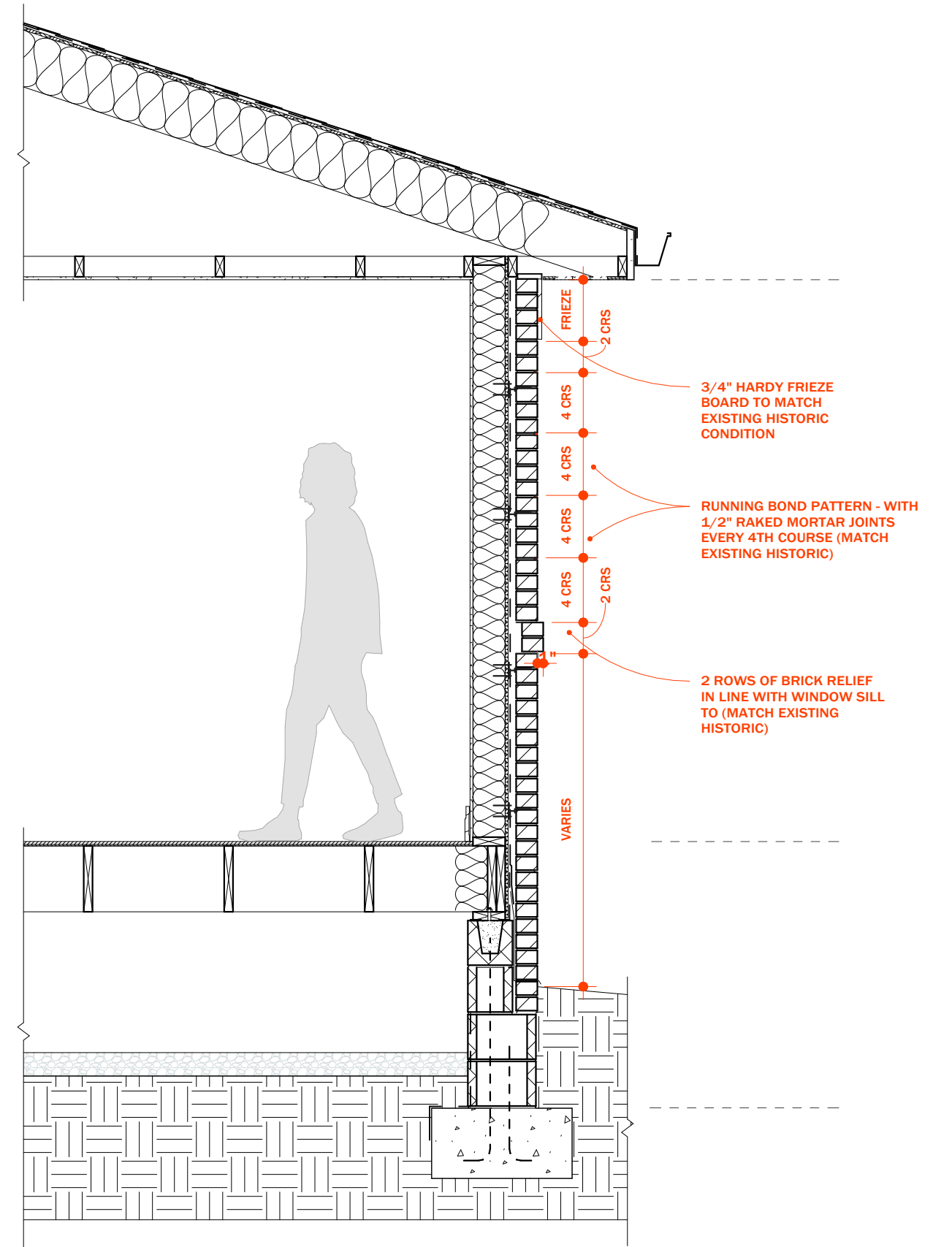


**WINDOWS**

Single-Hung / Fixed  
  
Pella Reserve Traditional Series -  
Aluminum Clad  
  
Custom Grill Pattern - Single  
Horizontal Grille per window pane  
(match existing historic)  
  
Frame: “Classic White” color









**June 8th, 2026**

**Architectural Narrative**

Historic Zoning Commission  
Franklin, TN

**Re:**

109 Everbright Ave, Franklin, TN  
Historic Overlay District  
Hunter and Carma Daniel, Property Owners

This project encompasses the comprehensive design, technical documentation, and municipal approval of a cohesive residential transformation within the Franklin Historic Overlay District. Situated in one of Franklin's most storied neighborhoods, the work has been carefully conceived to honor the historic character of the area while thoughtfully expanding the residence to meet the needs of contemporary living.

The scope integrates new construction and renovation across several interconnected elements. A primary suite and rear wing extension adds private living quarters, set back from the street and subordinate in massing to the original structure in keeping with historic overlay guidelines. A covered outdoor living area flows naturally from the rear of the home, creating a sheltered transition between interior and landscape that reads as a natural extension of the house rather than an afterthought.

At the heart of the home, the kitchen, living, and dining areas undergo a full modernization — opening the core of the residence with vaulted ceilings that introduce volume and light while preserving the scale and rhythm appropriate to the historic context. A guest bedroom refresh completes the interior program.

Ancillary to the main residence, a detached accessory structure provides a garage and lounge — designed as a considered outbuilding that references the material and formal vocabulary of the primary home. A second accessory structure rounds out the property's program as a discreet and contemporary amenity tucked within the site.

Together, these elements form a unified residential composition that respects Franklin's architectural heritage while delivering a fully modern living environment.

Cost Comparison: Rehab vs. Demo & Rebuild with Addition

Historic Property — Comparative Cost Analysis for Inspector Review

| Line Item                                         | Option A: Rehab<br>Rotting Portion +<br>Addition | Option B: Demo Existing +<br>Rebuild on Footprint +<br>Addition | Difference (B – A) |
|---------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------|--------------------|
| PRE-CONSTRUCTION                                  |                                                  |                                                                 |                    |
| Architectural & engineering plans                 | \$25,000                                         | \$25,000                                                        | -                  |
| Structural assessment / historic review           | \$12,500                                         | \$6,200                                                         | (\$6,300)          |
| Permits & fees                                    | \$7,200                                          | \$8,400                                                         | \$1,200            |
| Asbestos / lead testing & abatement               | \$12,500                                         | \$9,500                                                         | (\$3,000)          |
| Subtotal — Pre-Construction                       | \$57,200                                         | \$49,100                                                        | (\$8,100)          |
| DEMOLITION & SITE PREP                            |                                                  |                                                                 |                    |
| Selective demolition of rotted areas              | \$28,000                                         | -                                                               | (\$28,000)         |
| Full structural demolition (footprint)            | -                                                | \$38,000                                                        | \$38,000           |
| Debris removal & disposal                         | \$8,500                                          | \$11,000                                                        | \$2,500            |
| Site protection & shoring                         | \$18,500                                         | \$4,500                                                         | (\$14,000)         |
| Subtotal — Demolition & Site Prep                 | \$55,000                                         | \$53,500                                                        | (\$1,500)          |
| FOUNDATION & STRUCTURE                            |                                                  |                                                                 |                    |
| Foundation repair / underpinning                  | \$42,000                                         | -                                                               | (\$42,000)         |
| New foundation on existing footprint              | -                                                | \$48,000                                                        | \$48,000           |
| Framing — repair existing + new addition          | \$68,000                                         | -                                                               | (\$68,000)         |
| Framing — full rebuild + addition                 | -                                                | \$78,000                                                        | \$78,000           |
| Sistering, splicing & wood rot remediation        | \$24,500                                         | -                                                               | (\$24,500)         |
| Subtotal — Foundation & Structure                 | \$134,500                                        | \$126,000                                                       | (\$8,500)          |
| SYSTEMS (MEP)                                     |                                                  |                                                                 |                    |
| Electrical (rough + finish)                       | \$38,500                                         | \$39,000                                                        | \$500              |
| Plumbing (rough + finish)                         | \$36,000                                         | \$36,000                                                        | -                  |
| HVAC system                                       | \$28,000                                         | \$28,500                                                        | \$500              |
| Retrofit costs for existing structure integration | \$16,500                                         | -                                                               | (\$16,500)         |
| Subtotal — Systems (MEP)                          | \$119,000                                        | \$103,500                                                       | (\$15,500)         |
| ENVELOPE & EXTERIOR                               |                                                  |                                                                 |                    |
| Roofing                                           | \$22,000                                         | \$22,000                                                        | -                  |
| Siding & exterior trim                            | \$26,000                                         | \$24,500                                                        | (\$1,500)          |
| Windows & doors                                   | \$24,500                                         | \$22,000                                                        | (\$2,500)          |
| Insulation & weatherization                       | \$14,000                                         | \$12,500                                                        | (\$1,500)          |
| Historic-match exterior detailing                 | \$18,500                                         | \$16,500                                                        | (\$2,000)          |
| Subtotal — Envelope & Exterior                    | \$105,000                                        | \$97,500                                                        | (\$7,500)          |
| INTERIOR FINISHES                                 |                                                  |                                                                 |                    |
| Drywall & plaster                                 | \$18,500                                         | \$18,500                                                        | -                  |
| Flooring                                          | \$22,000                                         | \$22,000                                                        | -                  |
| Cabinetry & millwork                              | \$28,000                                         | \$27,500                                                        | (\$500)            |
| Paint & finishes                                  | \$12,500                                         | \$11,500                                                        | (\$1,000)          |
| Subtotal — Interior Finishes                      | \$81,000                                         | \$79,500                                                        | (\$1,500)          |
| CONTINGENCY & SOFT COSTS                          |                                                  |                                                                 |                    |
| Unforeseen-condition contingency                  | \$32,000                                         | \$14,000                                                        | (\$18,000)         |
| Schedule extension / weather delays               | \$14,500                                         | \$7,500                                                         | (\$7,000)          |
| General conditions / supervision                  | \$28,000                                         | \$26,000                                                        | (\$2,000)          |
| Subtotal — Contingency & Soft Costs               | \$74,500                                         | \$47,500                                                        | (\$27,000)         |
| GRAND TOTAL — PROJECT COST                        | \$626,200                                        | \$556,600                                                       | (\$69,600)         |

|                                            |          |
|--------------------------------------------|----------|
| Total Savings with Demo & Rebuild          | \$69,600 |
| Percentage Savings (Option B vs. Option A) | 11.1%    |

| NOTE TO INSPECTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>After careful evaluation of both approaches, we are confident that demolishing the existing structure and rebuilding on the same footprint — combined with the planned addition — is the superior path forward, both economically and from a long-term performance standpoint.</p> <p>Economic case: As shown above, the demo-and-rebuild approach is approximately 11% less costly than rehabilitating the rotted portion. This savings is driven primarily by (1) eliminating the extensive shoring, sistering, and splicing required to stabilize compromised framing, (2) removing the need to retrofit modern MEP systems into a deteriorated structure, and (3) substantially reducing the unforeseen-condition contingency that rehab projects of this age and condition routinely require.</p> <p>Long-term case: The rotted portion of the structure has compromised load paths, deteriorated framing members, and likely concealed moisture damage that cannot be fully assessed without destructive investigation. A rehab leaves these conditions partially in place, creating ongoing maintenance liability and the real probability of recurring failures within 10–15 years. A full rebuild on the original footprint preserves the historic siting, massing, and streetscape contribution of the property while delivering a structure built to current code, with modern moisture management, insulation, and structural integrity. We can replicate the historic architectural detailing, materials, and proportions in the rebuild, preserving the property's contributing character to the historic district.</p> <p>We respectfully request that the inspector reconsider the restriction on demolishing the rotted portion. We believe this path best serves both the property's long-term viability and the historic district's interests.</p> |



# STRUCTURAL DETERIORATION REPORT

## Demolition Justification — Street-Facing Wing

PROPERTY

**109 Everbright Ave**

Franklin, TN · Historic Preservation Overlay District

PREPARED ON BEHALF OF

**Hunter & Carma Daniel**

Property Owners · May 5, 2026

**PROFESSIONAL ASSESSMENT**

This report was commissioned from and reviewed by **Syndicate Design & Construction**, a licensed general contractor operating in the State of Tennessee. Based on their on-site inspection of the street-facing wing at 109 Everbright Ave, it is the professional opinion of Syndicate Design & Construction that the extent and nature of the structural deterioration documented herein renders repair infeasible, and that **full demolition and replacement of this wing is the only responsible course of action.**

---

## Overview

This report documents the physical condition of the street-facing wing of the historic residence at 109 Everbright Ave, Franklin, TN, located within the City of Franklin Historic Preservation Overlay district. It has been prepared on behalf of Hunter and Carma Daniel, the owners of this property and committed long-term stewards of this historic home.

The Daniels purchased 109 Everbright Ave with a clear and deeply personal vision: to make this their forever home. They intend to live here for decades to come, to retire here, and to welcome children and grandchildren through its doors for generations. That commitment is precisely why they are bringing this condition to the Commission's attention now, rather than deferring it. They want to do this right — and doing it right begins with being honest about the scope of what they are dealing with.

The purpose of this report is to demonstrate to the Historic Zoning Commission that the structural deterioration of the street-facing wing is so extensive and systemic that demolition is the only responsible path forward — and that this conclusion is fully supported by the photographic evidence presented below and consistent with the City's own Historic District Design Guidelines.

The deterioration documented here is not a surface or cosmetic issue. The age-related failure of the original historic materials has compromised the structural integrity of the entire wing — including the siding, base courses, corner posts, and vertical trim elements — from the foundation line up. Critically, this deterioration is now actively migrating into the sound, adjacent portions of the structure. Selective repair of isolated sections is not a viable path; the damage is too pervasive, too deep, and too threatening to what remains of the historic home to address piecemeal.

Full plans for what will follow demolition will be submitted separately for the Commission's review. Any replacement work will be thoughtfully designed to tie into and complement the remaining historic fabric of the home — honoring the architectural character, scale, and spirit of this important Franklin property.

## Photographic Documentation of Deterioration

The following photographs were taken on-site and document conditions across multiple locations on the street-facing wing. The damage is consistent, pervasive, and present at every elevation and material type examined.

### Siding Board Failure — Upper Courses (Active Threat to Adjacent Structure)

Multiple siding boards along the upper portion of the facade have buckled outward and physically split open, exposing the structural sheathing beneath. As original historic wood materials reach the end of their serviceable life, they lose dimensional stability — splitting, separating from the wall plane, and opening to the elements. What is visible at the surface understates the problem: the rotted core exposed in these openings confirms that decay has progressed well behind the painted face. Of particular concern is that the deterioration in these upper courses is not contained to the failed boards themselves. The rot is actively spreading laterally and downward into adjacent framing and sheathing that are otherwise still sound — meaning that delay is not a neutral option. Every season this wing remains in place, more of the healthy structure is at risk.



*Photo 1 — Buckled siding board split open; rotted substrate exposed and decay visibly spreading into adjacent sound structure*



*Photo 2 — Second location: siding separation with open void; deterioration migrating into structurally intact neighboring material*

### Base Course and Foundation Interface Deterioration

The siding at the base of the wing has failed across the full length of the elevation. Decades of natural weathering at this vulnerable wall-to-foundation interface — where historic wood materials are most exposed to the elements and to normal seasonal cycles of expansion and contraction — have taken their toll on the original materials. The paint film has broken down, the wood fibers have degraded, and biological growth has taken hold in the porous, compromised material. In the most severely



affected areas, the wood has crumbled away entirely, leaving gaps and open voids at the base of the wall. This base-level failure is not an isolated event; it is the cumulative result of age on historic building materials that have simply reached the end of their natural life.



*Photo 3 — Base course with moss growth and complete paint failure along foundation line*



*Photo 4 — Advanced rot at base siding: material has crumbled away, leaving open voids*

## Corner Post Structural Failure

The corner posts — both structural and finish elements — have experienced catastrophic age-related deterioration at multiple locations around the wing. The outer finish casing has failed and separated, and the structural post beneath has deteriorated through entirely at the base. The exposed wood is soft, fibrous, and friable, with no sound material remaining at or near grade. These posts cannot be repaired in place; the decay has progressed too far into the structural core for any consolidant or sistering approach to restore adequate structural integrity to an element carrying both vertical and lateral loads.



*Photo 5 — Corner post with outer casing separated; rotted structural core exposed*



*Photo 6 — Corner post base: complete void where wood material has disintegrated*





*Photo 7 — Close-up of exposed corner post interior: fibrous, split wood with zero sound material*



*Photo 8 — Mid-wall siding separation with open gap to sheathing layer*

## **Additional Corner and Trim Failure**

The deterioration pattern repeats at every corner and base trim location examined on the wing. This consistency is significant: it confirms that the failure is systemic rather than localized — the natural result of aged original materials reaching the end of their serviceable life across an entire section of the structure. There is no corner, no trim element, and no base course on this wing that has been spared.



*Photo 9 — Additional corner post rot: complete failure of base trim and corner board*



## Support Under the City of Franklin Design Guidelines

The City of Franklin Historic District Design Guidelines (Effective May 30, 2022) recognize that the preservation of historic structures sometimes requires the removal of materials that have deteriorated beyond the point of repair. The conditions documented in this report directly satisfy the criteria the Guidelines establish for authorized demolition and replacement.

### 1. Replacement Is the Only Option

*"Minimize the replacement of wood siding to elements that are so severely damaged that replacement is the only option."*

— City of Franklin Historic District Design Guidelines, p. 27 (Effective May 30, 2022)

The Guidelines set a high bar for replacement — and the documentation in this report clears it. The damage here is not superficial. Structural corner posts have rotted through. Base courses have disintegrated. Siding boards have buckled open under the pressure of waterlogged, decayed wood. There is no version of repair that addresses these conditions without effectively replacing the entire wing. Demolition and rebuilding is not a preference — it is the only option.

### 2. Wholesale Replacement Is Expressly Permitted When Deterioration Is Demonstrated

*"Do not replace more than 25 percent of the facade's total square footage of siding unless significant deterioration can be demonstrated."*

— City of Franklin Historic District Design Guidelines, p. 27 (Effective May 30, 2022)

The 25% threshold in the Guidelines is a default limit — but the Guidelines explicitly carve out an exception when significant deterioration is demonstrated. That demonstration has been made here. The photographic evidence in this report shows systemic, pervasive structural failure across every material type and every location examined on the wing. The Guidelines contemplate exactly this situation, and the exception applies.

### 3. Demolition Is an Acknowledged and Reviewable Action

*"Projects covered by the Guidelines include ... Partial or wholesale demolition of buildings, structures, or historic site features."*

— City of Franklin Historic District Design Guidelines, p. 12 (Effective May 30, 2022)

Demolition of a portion of a historic structure is explicitly within the scope of projects the HZC reviews and approves. It is not categorically prohibited. The Guidelines include it as a covered action precisely because the Commission has the authority — and the responsibility — to approve demolition when the facts warrant it. The facts presented here warrant it.

### 4. Secretary of the Interior's Standard 6

*"Deteriorated historic features shall be repaired rather than replaced. When the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and where possible, materials."*

— Secretary of the Interior's Standards for Rehabilitation, Standard 6

Standard 6 — the bedrock federal standard on which Franklin's Guidelines are based — draws the same distinction: repair is preferred, but when the severity of deterioration requires replacement, replacement is appropriate. The severity threshold has been met. What replaces this wing will be designed to respect and complement the historic character of the home.

## **The Daniels' Commitment to This Home and This District**

Hunter and Carma Daniel are not approaching this project as developers or investors. They are approaching it as people who intend to grow old in this house — who picture their grandchildren playing in its yard, who want to be neighbors in this district for the rest of their lives. That is not a throwaway sentiment; it is the entire reason they are here, asking the Commission to help them get this right.

The intent of this project is not to erase the historic character of 109 Everbright Ave — it is to protect it for the next fifty years. Leaving the failing wing in place would be the far more destructive path: the deterioration is already spreading into the sound portions of the structure, and a wing left to continue failing will ultimately compromise the historic home the Daniels are trying to preserve. Demolishing what cannot be saved is the responsible act of stewardship.

The Daniels are committed to working closely with the Commission throughout this process. Any work following demolition will be designed thoughtfully, with deep respect for the historic fabric of the home and the character of the district. The architectural form, massing, scale, and materials of what replaces this wing will be developed to integrate with and honor the surviving historic structure. Complete design plans will be submitted for Commission review prior to any construction, and the Daniels welcome the Commission's guidance at every step.

We appreciate the Commission's time and care in reviewing this documentation and look forward to the opportunity to present it in person.

---

Respectfully submitted,

**Hunter & Carma Daniel**

Property Owners — 109 Everbright Ave, Franklin, TN

Date: May 5, 2026





## Product Selection Guide

|                                               |         |
|-----------------------------------------------|---------|
| Size and Performance Data.....                | W-HG-2  |
| Features and Options.....                     | W-HG-3  |
| Combination Assemblies .....                  | W-HG-4  |
| Glazing Performance .....                     | W-HG-6  |
| Grille Types                                  |         |
| Grille Profiles.....                          | W-HG-10 |
| Grille Patterns .....                         | W-HG-11 |
| Size Tables for Double- and Single-Hung ..... | W-HG-12 |
| Cottage Sash Units.....                       | W-HG-14 |
| Replacement Units.....                        | W-HG-15 |
| Design Data                                   |         |
| Miscellaneous Formulas .....                  | W-HG-19 |
| Double- and Single-Hung .....                 | W-HG-20 |
| Replacement Units.....                        | W-HG-25 |
| Detailed Product Descriptions.....            | W-HG-30 |
| Unit Sections                                 |         |
| Wood Collection .....                         | W-HG-32 |
| Double-, and Single-Hung Clad .....           | W-HG-33 |
| Single- and Double-Hung Wood .....            | W-HG-39 |

### Document Navigation Tips:

Items listed in the table of contents above are active links that will take you to the corresponding page.

The Pella logo on each page is a link back to this table of contents.

Bookmarks are also included in this PDF document and are available as an additional navigation option.

### Supporting documents for this product:

(Link path included for easy copy/paste sharing, click on links to open document or access by visiting Pella.com)

#### Test Reports:

[https://media.pella.com/professional/adm/CertificationReports/Test\\_Reports\\_PR-Clad.pdf](https://media.pella.com/professional/adm/CertificationReports/Test_Reports_PR-Clad.pdf)

#### CSI Specs

(readable using Microsoft Word or other text editing application):

[https://media.pella.com/professional/adm/Wood-CSI\\_Specs/08552-R.rtf](https://media.pella.com/professional/adm/Wood-CSI_Specs/08552-R.rtf)

#### AIA Masterspec

(readable using Microsoft Word or other text editing application):

[https://media.pella.com/professional/adm/Wood-CSI\\_Specs/Masterspec/085200\\_fl.doc](https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/085200_fl.doc)

#### Detailed Product Description

(readable using Microsoft Word or other text editing application):

Clad: <https://media.pella.com/professional/adm/Clad-Wood/PR-DoubleHung-C.rtf>

Wood: <https://media.pella.com/professional/adm/Clad-Wood/PR-DoubleHung-W.rtf>

#### Size Tables

(requires appropriate CAD software to read and use):

[https://media.pella.com/professional/adm/Clad-Wood/ASCDHEV\\_D.dwg](https://media.pella.com/professional/adm/Clad-Wood/ASCDHEV_D.dwg)

#### CAD cross sections

(requires appropriate CAD software to read and use):

Clad: [https://media.pella.com/professional/adm/Clad-Wood/ASRM5DH3\\_D.dwg](https://media.pella.com/professional/adm/Clad-Wood/ASRM5DH3_D.dwg)

Wood: <https://media.pella.com/professional/adm/Clad-Wood/ASWM4DHRPT3b.dwg>

#### 3D & BIM

(requires appropriate software to read and use):

[https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Window-Double\\_Hung-Pella-Reserve-Traditional.zip](https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Window-Double_Hung-Pella-Reserve-Traditional.zip)

#### Sketchup

(requires appropriate software to read and use):

[https://media.pella.com/professional/adm/Clad-Wood/PellaSKP\\_PellaReserve\\_Traditional\\_Double-Hung.zip](https://media.pella.com/professional/adm/Clad-Wood/PellaSKP_PellaReserve_Traditional_Double-Hung.zip)

#### Combination Recommendations:

[https://media.pella.com/professional/adm/Clad-Wood/D\\_Combinations.pdf](https://media.pella.com/professional/adm/Clad-Wood/D_Combinations.pdf)

#### Installation Details:

[https://media.pella.com/professional/adm/Clad-Wood/F\\_InstallationDetails.pdf](https://media.pella.com/professional/adm/Clad-Wood/F_InstallationDetails.pdf)

#### Impact-Resistant Double-Hung, Complete Product Information:

[https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant\\_DoubleHung.pdf](https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant_DoubleHung.pdf)

#### Bay/Bow Details:

[https://media.pella.com/professional/adm/Clad-Wood/Pella-Wood\\_BayBowWindows.pdf](https://media.pella.com/professional/adm/Clad-Wood/Pella-Wood_BayBowWindows.pdf)

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# Pella® Reserve™ Traditional Hung Window

## Size and Performance Data

| Air/Water/Structural Performance <sub>1</sub>                                                             |                                     |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------|
| Meets or Exceeds AAMA / WDMA Ratings                                                                      | H-CW30 - CW50<br>Hallmark Certified |
| Air Infiltration<br>(cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure) <sub>2</sub>                  | 0.11                                |
| Water Resistance                                                                                          | 4.6 – 7.5 psf                       |
| Design Pressure                                                                                           | 30 – 50 psf                         |
| Other Performance Criteria                                                                                |                                     |
| Forced Entry Resistance Level<br>(Minimum Security Grade) <sub>3</sub>                                    | 10                                  |
| Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) <sub>4</sub> | 40/45                               |

### Sound Transmission Class / Outdoor-Indoor Transmission Class

| Product                 | Frame Size Tested <sub>5</sub> | Glazing System            |                          |                          |                      | STC Rating | OITC Rating |
|-------------------------|--------------------------------|---------------------------|--------------------------|--------------------------|----------------------|------------|-------------|
|                         |                                | Overall Glazing Thickness | Exterior Glass Thickness | Interior Glass Thickness | Third Pane Thickness |            |             |
| Clad Double-Hung Window | WITHOUT GRILLES                |                           |                          |                          |                      |            |             |
|                         | 45" x 65"                      | 11/16"                    | 2.5mm                    | 2.5mm                    | —                    | 28         | 24          |
|                         | 47" x 59"                      | 11/16"                    | 5mm                      | 3mm                      | —                    | 31         | 27          |
|                         | 45" x 65"                      | 11/16"                    | 3mm                      | 6mm PVB                  | —                    | 33         | 28          |
| Wood Double-Hung Window | WITHOUT GRILLES                |                           |                          |                          |                      |            |             |
|                         | 45" x 65"                      | 11/16"                    | 2.5mm                    | 2.5mm                    | —                    | 26         | 22          |
|                         | 45" x 65"                      | 11/16"                    | 3mm                      | 3mm                      | —                    | 29         | 24          |

(—) = Not Available

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.

(2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

(3) The higher the level, the greater the product's ability to resist forced entry.

(4) Glazing configurations may result in higher operational forces

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.





# Pella® Reserve™ Traditional Hung Window

## Features and Options

| Standard                                   | Options / Upgrades                                                                                                    |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Glazing</b>                             |                                                                                                                       |
| <b>Glazing Type</b>                        |                                                                                                                       |
| Dual-Pane Insulating Glass                 | —                                                                                                                     |
| <b>Insulated Glass Options/Low-E Types</b> |                                                                                                                       |
| Advanced Low-E                             | SunDefense™ Low-E                                                                                                     |
|                                            | SunDefense+ Low-E                                                                                                     |
|                                            | AdvancedComfort Low-E                                                                                                 |
|                                            | NaturalSun Low-E                                                                                                      |
|                                            | NaturalSun+ Low-E                                                                                                     |
|                                            | Clear (no Low-E coating)                                                                                              |
| <b>Additional Glass Options</b>            |                                                                                                                       |
| Annealed Glass                             | Tempered Glass                                                                                                        |
|                                            | Obscure Glass <sub>1</sub>                                                                                            |
|                                            | Low-E Tinted Glass (Bronze, Gray and Green)                                                                           |
|                                            | Non-Impact Laminated Dual-Pane Insulating Glass                                                                       |
| <b>Gas Fill/High Altitude</b>              |                                                                                                                       |
| Argon                                      | High altitude                                                                                                         |
| <b>Exterior</b>                            |                                                                                                                       |
| <b>Exterior Sash Profile</b>               |                                                                                                                       |
| Ogee                                       | Putty Glaze                                                                                                           |
| <b>Exterior Finish</b>                     |                                                                                                                       |
| EnduraClad® aluminum-clad exterior         | EnduraClad Plus protective finish, Factory Primed Pine wood exterior, Unfinished Mahogany wood exterior               |
| <b>Cladding Colors</b>                     |                                                                                                                       |
| Standard colors <sub>1</sub>               | Feature Colors, Custom Colors <sub>1</sub>                                                                            |
| <b>Interior</b>                            |                                                                                                                       |
| Unfinished wood                            | Factory primed                                                                                                        |
|                                            | Factory prefinished paint <sub>1</sub>                                                                                |
|                                            | Factory prefinished stain <sub>1</sub>                                                                                |
| <b>Wood Types</b>                          |                                                                                                                       |
| Pine                                       | Mahogany, Douglas Fir                                                                                                 |
| <b>Hardware</b>                            |                                                                                                                       |
| <b>Hardware Types</b>                      |                                                                                                                       |
| Sash lifts, Cam-action lock                | Simulated lock                                                                                                        |
|                                            | Air conditioner lock                                                                                                  |
|                                            | Historical spoon-style lock (surface mounted)                                                                         |
| <b>Hardware Finishes</b>                   |                                                                                                                       |
| Champagne, White, Brown or Matte Black     | Satin Brass, Satin Nickel, Oil-Rubbed Bronze, Distressed Bronze, Distressed Nickel <sub>4</sub>                       |
| <b>Tilt-Wash Cleaning</b>                  |                                                                                                                       |
| Tilt to interior on both sashes            | —                                                                                                                     |
| <b>Grilles</b>                             |                                                                                                                       |
| <b>Integral Light Technology® Grilles</b>  |                                                                                                                       |
| —                                          | Traditional, Prairie, Top Row, Cross, New England, Victorian, Diamond, Custom                                         |
| <b>Grilles-Between-the-Glass</b>           |                                                                                                                       |
| —                                          | Traditional, Prairie, Top Row <sub>1</sub> , Cross, Custom-Equally Divided                                            |
| <b>Screens</b>                             |                                                                                                                       |
| —                                          | Integrated Rolscreen® - retractable screen, InView™ screens, in standard roll-form or premium extruded aluminum frame |

(—) = Not Available

(1) Contact your local Pella sales representative for current designs and color options.

(2) Only available for Pella Reserve products with triple glazing. Not available with high altitude glazing.

(3) Available with Low-E argon-insulated glass only.

(4) Antique Brass, Distressed Nickel, Distressed Bronze finishes available for Historical spoon-style lock only.

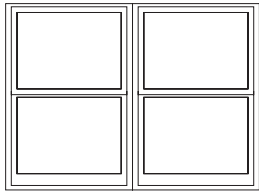


Combination Assemblies - Rectangular Units

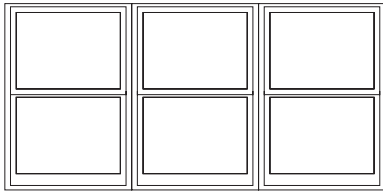
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mulled together by a combination or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. Below are some examples of factory-assembled combinations. See the Combinations Recommendations document for typical mullions, requirements and limitations.

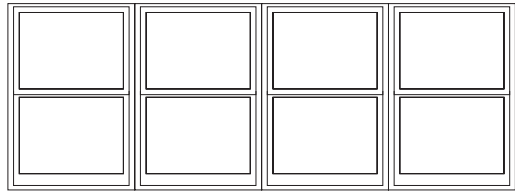
Contact your local Pella sales representative for more information.



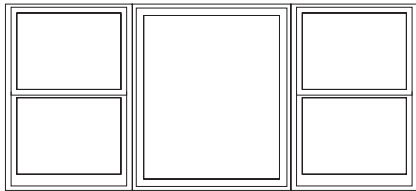
Two-Wide



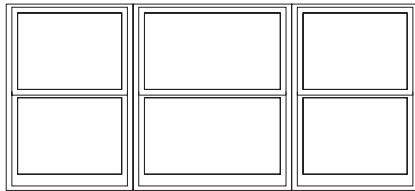
Three-Wide Equal



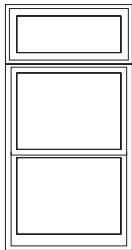
Four-Wide Equal



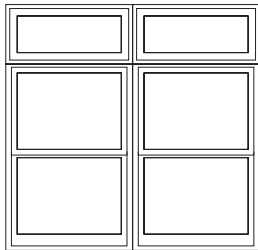
Center Fixed with Flankers



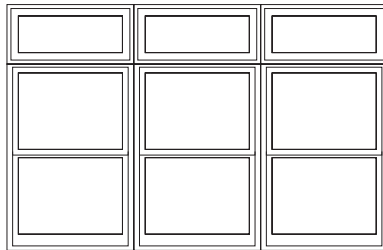
Three-Wide Unequal



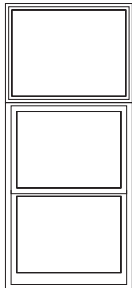
Transom over  
Single



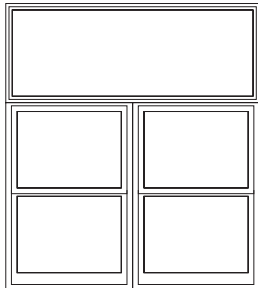
Two-Wide Transoms over  
Two-Wide



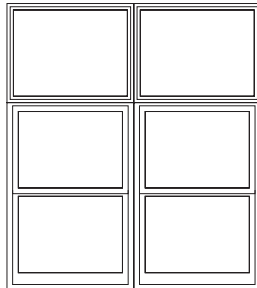
Three-Wide Transoms over  
Three-Wide



Clad Frame over  
Single



Single Clad Frame over  
Two-Wide



Two Wide Clad Frame over  
Two-Wide



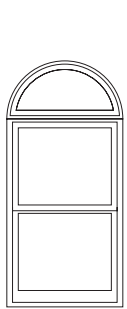


## Combination Assemblies - Arch Top Units

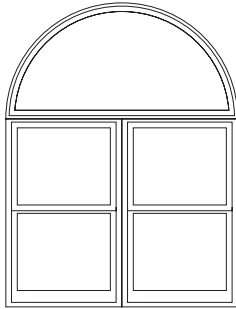
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mulled together by a combination or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements, below are some examples. See the Combinations Recommendations document for typical mullions, requirements and limitations.

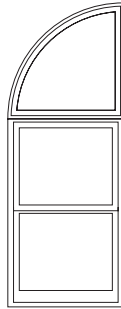
Contact your local Pella sales representative for more information.



Half Circle over  
Single



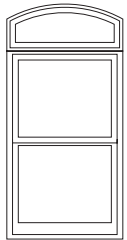
Half Circle over  
Two-Wide



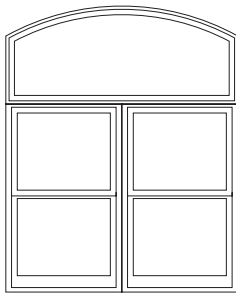
Left Quarter Circle  
over Single



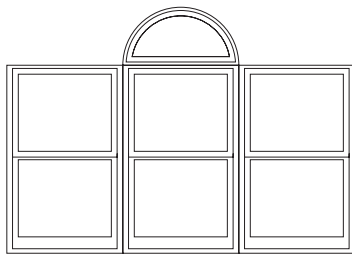
Right Quarter Circle  
over Single



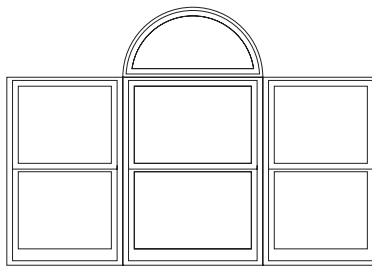
Arch Head over  
Single



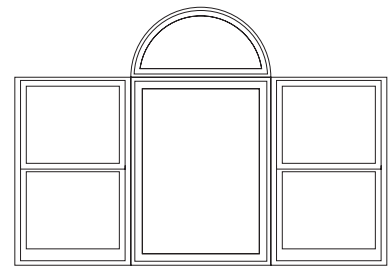
Arch Head over  
Two-Wide



Half Circle centered on  
Three-Wide Equal



Half Circle over  
Three-Wide Unequal



Half Circle over  
Center Fixed with Flankers



# Pella® Reserve™ Traditional Hung Window

## Glazing Performance - Total Unit

| Glazing Thickness                               | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |   |                     |      |
|-------------------------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|---|---------------------|------|
|                                                 |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |   | Canada <sub>2</sub> |      |
|                                                 |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |   | ER                  | Zone |
| Vent Dual-Pane Glazing - Aluminum-Clad Exterior |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S | CA                  |      |
| 11/16"                                          | Clear IG                       | PEL-N-232-01105-00001    | 2.5        | 2.5  | air      | 0.46                            | 0.60 | 0.62 | 44 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01106-00001    |            |      |          | 0.46                            | 0.53 | 0.55 | 44 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01107-00001    |            |      |          | 0.46                            | 0.53 | 0.55 | 44 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | Clear IG                       | PEL-N-232-01109-00001    | 3          | 3    | air      | 0.46                            | 0.58 | 0.61 | 44 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01110-00001    |            |      |          | 0.46                            | 0.52 | 0.55 | 44 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01111-00001    |            |      |          | 0.46                            | 0.52 | 0.55 | 44 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | Advanced Low-E IG              | PEL-N-232-01141-00001    | 2.5        | 2.5  | argon    | 0.29                            | 0.28 | 0.53 | 60 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01142-00001    |            |      |          | 0.29                            | 0.25 | 0.47 | 60 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01143-00001    |            |      |          | 0.29                            | 0.25 | 0.47 | 60 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | Advanced Low-E IG              | PEL-N-232-01145-00001    | 3          | 3    | argon    | 0.29                            | 0.28 | 0.52 | 59 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01146-00001    |            |      |          | 0.29                            | 0.25 | 0.46 | 59 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01147-00001    |            |      |          | 0.29                            | 0.25 | 0.46 | 59 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | SunDefense™ Low-E IG           | PEL-N-232-01189-00001    | 2.5        | 2.5  | argon    | 0.28                            | 0.21 | 0.49 | 60 |                                                                    |    | SC | S |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01190-00001    |            |      |          | 0.28                            | 0.19 | 0.43 | 60 |                                                                    |    | SC | S |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01191-00001    |            |      |          | 0.29                            | 0.19 | 0.43 | 60 |                                                                    |    |    | S |                     |      |
| 11/16"                                          | SunDefense™ Low-E IG           | PEL-N-232-01193-00001    | 3          | 3    | argon    | 0.28                            | 0.21 | 0.48 | 59 |                                                                    |    | SC | S |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01194-00001    |            |      |          | 0.28                            | 0.19 | 0.43 | 59 |                                                                    |    | SC | S |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01195-00001    |            |      |          | 0.29                            | 0.19 | 0.43 | 59 |                                                                    |    |    | S |                     |      |
| 11/16"                                          | SunDefense+ Low-E IG           | PEL-N-232-01813-00001    | 2.5        | 2.5  | argon    | 0.25                            | 0.20 | 0.48 | 49 |                                                                    | NC | SC | S |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01814-00001    |            |      |          | 0.25                            | 0.18 | 0.42 | 49 |                                                                    | NC | SC | S |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01815-00001    |            |      |          | 0.25                            | 0.18 | 0.42 | 49 |                                                                    | NC | SC | S |                     |      |
| 11/16"                                          | SunDefense+ Low-E IG           | PEL-N-232-01821-00001    | 3          | 3    | argon    | 0.25                            | 0.20 | 0.47 | 48 |                                                                    | NC | SC | S |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01822-00001    |            |      |          | 0.25                            | 0.18 | 0.42 | 48 |                                                                    | NC | SC | S |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01823-00001    |            |      |          | 0.26                            | 0.18 | 0.42 | 48 |                                                                    |    | SC | S |                     |      |
| 11/16"                                          | AdvancedComfort Low-E IG       | PEL-N-232-01165-00001    | 2.5        | 2.5  | argon    | 0.25                            | 0.28 | 0.52 | 48 |                                                                    | NC |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01166-00001    |            |      |          | 0.25                            | 0.25 | 0.46 | 48 |                                                                    | NC |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01167-00001    |            |      |          | 0.26                            | 0.25 | 0.46 | 48 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | AdvancedComfort Low-E IG       | PEL-N-232-01169-00001    | 3          | 3    | argon    | 0.25                            | 0.27 | 0.51 | 47 |                                                                    | NC |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01170-00001    |            |      |          | 0.25                            | 0.25 | 0.45 | 47 |                                                                    | NC |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01171-00001    |            |      |          | 0.26                            | 0.25 | 0.45 | 47 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | NaturalSun Low-E IG            | PEL-N-232-01117-00001    | 2.5        | 2.5  | argon    | 0.30                            | 0.52 | 0.60 | 59 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01118-00001    |            |      |          | 0.30                            | 0.47 | 0.53 | 59 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01119-00001    |            |      |          | 0.30                            | 0.47 | 0.53 | 59 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | NaturalSun Low-E IG            | PEL-N-232-01121-00001    | 3          | 3    | argon    | 0.30                            | 0.52 | 0.59 | 58 |                                                                    |    |    |   |                     |      |
|                                                 | with grilles-between-the-glass | PEL-N-232-01122-00001    |            |      |          | 0.30                            | 0.46 | 0.53 | 58 |                                                                    |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01123-00001    |            |      |          | 0.30                            | 0.46 | 0.53 | 58 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | NaturalSun+ Low-E IG           | PEL-N-232-01781-00001    | 2.5        | 2.5  | argon    | 0.26                            | 0.48 | 0.58 | 47 | N                                                                  |    |    |   | 35                  | CA   |
|                                                 | with grilles-between-the-glass | PEL-N-232-01782-00001    |            |      |          | 0.26                            | 0.43 | 0.52 | 47 | N                                                                  |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01783-00001    |            |      |          | 0.27                            | 0.43 | 0.52 | 47 |                                                                    |    |    |   |                     |      |
| 11/16"                                          | NaturalSun+ Low-E IG           | PEL-N-232-01789-00001    | 3          | 3    | argon    | 0.26                            | 0.47 | 0.58 | 46 | N                                                                  |    |    |   | 34                  | CA   |
|                                                 | with grilles-between-the-glass | PEL-N-232-01790-00001    |            |      |          | 0.26                            | 0.42 | 0.51 | 46 | N                                                                  |    |    |   |                     |      |
|                                                 | with integral grilles          | PEL-N-232-01791-00001    |            |      |          | 0.26                            | 0.42 | 0.51 | 46 | N                                                                  |    |    |   |                     |      |

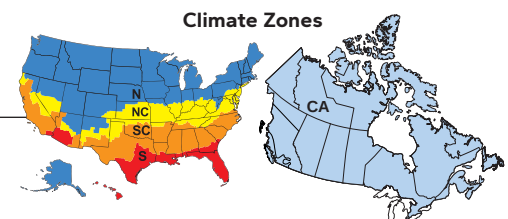
R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance  
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Visit [www.energystar.gov](http://www.energystar.gov) for Energy Star guidelines.

Non Rectangular Unit thermal values will vary slightly.







# Pella® Reserve™ Traditional Hung Window

## Glazing Performance - Total Unit

| Glazing Thickness                                             | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |    |                     |      |
|---------------------------------------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|----|---------------------|------|
|                                                               |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |    | Canada <sub>2</sub> |      |
|                                                               |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |    | ER                  | Zone |
| Tinted Glazing                                                |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S  | CA                  |      |
| 11/16"                                                        | Bronze Advanced Low-E IG       | PEL-N-232-01225-00002    | 5          | 3    | argon    | 0.29                            | 0.25 | 0.34 | 58 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01226-00002    |            |      |          | 0.31                            | 0.23 | 0.30 | 58 |                                                                    |    |    | S  |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01227-00002    |            |      |          | 0.30                            | 0.23 | 0.30 | 58 |                                                                    |    |    | S  |                     |      |
| 11/16"                                                        | Gray Advanced Low-E IG         | PEL-N-232-01225-00003    | 5          | 3    | argon    | 0.29                            | 0.23 | 0.29 | 58 |                                                                    |    |    |    | S                   |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01226-00003    |            |      |          | 0.31                            | 0.21 | 0.26 | 58 |                                                                    |    |    |    | S                   |      |
|                                                               | with integral grilles          | PEL-N-232-01227-00003    |            |      |          | 0.30                            | 0.21 | 0.26 | 58 |                                                                    |    |    |    | S                   |      |
| 11/16"                                                        | Green Advanced Low-E IG        | PEL-N-232-01225-00004    | 5          | 3    | argon    | 0.29                            | 0.28 | 0.46 | 58 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01226-00004    |            |      |          | 0.31                            | 0.25 | 0.41 | 58 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01227-00004    |            |      |          | 0.30                            | 0.25 | 0.41 | 58 |                                                                    |    |    |    |                     |      |
| Vent Dual-Pane High Altitude Glazing - Aluminum-Clad Exterior |                                |                          |            |      |          |                                 |      |      |    |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | Advanced Low-E IG              | PEL-N-232-01153-00001    | 2.5        | 2.5  | air      | 0.32                            | 0.28 | 0.53 | 56 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01154-00001    |            |      |          | 0.32                            | 0.25 | 0.47 | 56 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01155-00001    |            |      |          | 0.33                            | 0.25 | 0.47 | 56 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | Advanced Low-E IG              | PEL-N-232-01157-00001    | 3          | 3    | air      | 0.32                            | 0.28 | 0.52 | 55 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01158-00001    |            |      |          | 0.32                            | 0.25 | 0.46 | 55 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01159-00001    |            |      |          | 0.33                            | 0.25 | 0.46 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | SunDefense™ Low-E IG           | PEL-N-232-01201-00001    | 2.5        | 2.5  | air      | 0.32                            | 0.21 | 0.49 | 56 |                                                                    |    |    |    | S                   |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01202-00001    |            |      |          | 0.32                            | 0.19 | 0.43 | 56 |                                                                    |    |    |    | S                   |      |
|                                                               | with integral grilles          | PEL-N-232-01203-00001    |            |      |          | 0.33                            | 0.19 | 0.43 | 56 |                                                                    |    |    |    | S                   |      |
| 11/16"                                                        | SunDefense™ Low-E IG           | PEL-N-232-01205-00001    | 3          | 3    | air      | 0.32                            | 0.21 | 0.48 | 55 |                                                                    |    |    |    | S                   |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01206-00001    |            |      |          | 0.32                            | 0.19 | 0.43 | 55 |                                                                    |    |    |    | S                   |      |
|                                                               | with integral grilles          | PEL-N-232-01207-00001    |            |      |          | 0.33                            | 0.19 | 0.43 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | SunDefense+ Low-E IG           | PEL-N-232-01809-00001    | 2.5        | 2.5  | air      | 0.27                            | 0.21 | 0.48 | 44 |                                                                    |    |    | SC | S                   |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01810-00001    |            |      |          | 0.27                            | 0.19 | 0.42 | 44 |                                                                    |    |    | SC | S                   |      |
|                                                               | with integral grilles          | PEL-N-232-01811-00001    |            |      |          | 0.28                            | 0.19 | 0.42 | 44 |                                                                    |    |    | SC | S                   |      |
| 11/16"                                                        | SunDefense+ Low-E IG           | PEL-N-232-01817-00001    | 3          | 3    | air      | 0.27                            | 0.21 | 0.47 | 44 |                                                                    |    |    | SC | S                   |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01818-00001    |            |      |          | 0.27                            | 0.19 | 0.42 | 44 |                                                                    |    |    | SC | S                   |      |
|                                                               | with integral grilles          | PEL-N-232-01819-00001    |            |      |          | 0.28                            | 0.19 | 0.42 | 43 |                                                                    |    |    | SC | S                   |      |
| 11/16"                                                        | AdvancedComfort Low-E IG       | PEL-N-232-01177-00001    | 2.5        | 2.5  | air      | 0.27                            | 0.28 | 0.52 | 44 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01178-00001    |            |      |          | 0.27                            | 0.25 | 0.46 | 44 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01179-00001    |            |      |          | 0.28                            | 0.25 | 0.46 | 44 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | AdvancedComfort Low-E IG       | PEL-N-232-01181-00001    | 3          | 3    | air      | 0.28                            | 0.27 | 0.51 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01182-00001    |            |      |          | 0.28                            | 0.25 | 0.45 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01183-00001    |            |      |          | 0.28                            | 0.25 | 0.45 | 43 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | NaturalSun Low-E IG            | PEL-N-232-01129-00001    | 2.5        | 2.5  | air      | 0.33                            | 0.52 | 0.60 | 56 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01130-00001    |            |      |          | 0.33                            | 0.47 | 0.53 | 56 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01131-00001    |            |      |          | 0.34                            | 0.47 | 0.53 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | NaturalSun Low-E IG            | PEL-N-232-01133-00001    | 3          | 3    | air      | 0.33                            | 0.51 | 0.59 | 55 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01134-00001    |            |      |          | 0.33                            | 0.46 | 0.52 | 55 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01135-00001    |            |      |          | 0.34                            | 0.46 | 0.52 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | NaturalSun+ Low-E IG           | PEL-N-232-01777-00001    | 2.5        | 2.5  | air      | 0.28                            | 0.48 | 0.58 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01778-00001    |            |      |          | 0.28                            | 0.43 | 0.52 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01779-00001    |            |      |          | 0.29                            | 0.43 | 0.52 | 43 |                                                                    |    |    |    |                     |      |
| 11/16"                                                        | NaturalSun+ Low-E IG           | PEL-N-232-01785-00001    | 3          | 3    | air      | 0.28                            | 0.47 | 0.58 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with grilles-between-the-glass | PEL-N-232-01786-00001    |            |      |          | 0.28                            | 0.42 | 0.51 | 43 |                                                                    |    |    |    |                     |      |
|                                                               | with integral grilles          | PEL-N-232-01787-00001    |            |      |          | 0.29                            | 0.42 | 0.51 | 42 |                                                                    |    |    |    |                     |      |

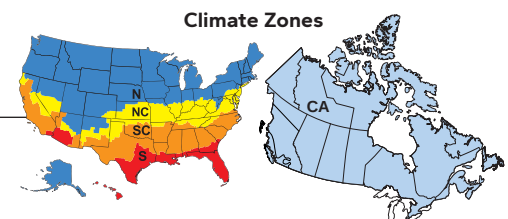
R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance  
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

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Non Rectangular Unit thermal values will vary slightly.





# Pella® Reserve™ Traditional Hung Window

## Glazing Performance - Total Unit

| Glazing Thickness                      | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |   |                     |      |
|----------------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|---|---------------------|------|
|                                        |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |   | Canada <sub>2</sub> |      |
|                                        |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |   | ER                  | Zone |
| Vent Dual-Pane Glazing - Wood Exterior |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S |                     | CA   |
| 11/16"                                 | Clear IG                       | PEL-N-234-01105-00001    | 2.5        | 2.5  | air      | 0.45                            | 0.60 | 0.62 | 44 |                                                                    |    |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01106-00001    |            |      |          | 0.45                            | 0.54 | 0.56 | 44 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01107-00001    |            |      |          | 0.45                            | 0.54 | 0.56 | 44 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | Clear IG                       | PEL-N-234-01109-00001    | 3          | 3    | air      | 0.45                            | 0.59 | 0.62 | 43 |                                                                    |    |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01110-00001    |            |      |          | 0.45                            | 0.53 | 0.55 | 43 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01111-00001    |            |      |          | 0.46                            | 0.53 | 0.55 | 43 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | Advanced Low-E IG              | PEL-N-234-01141-00001    | 2.5        | 2.5  | argon    | 0.28                            | 0.28 | 0.53 | 59 |                                                                    |    |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01142-00001    |            |      |          | 0.28                            | 0.25 | 0.47 | 59 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01143-00001    |            |      |          | 0.29                            | 0.25 | 0.47 | 59 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | Advanced Low-E IG              | PEL-N-234-01145-00001    | 3          | 3    | argon    | 0.28                            | 0.28 | 0.52 | 58 |                                                                    |    |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01146-00001    |            |      |          | 0.28                            | 0.25 | 0.47 | 58 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01147-00001    |            |      |          | 0.29                            | 0.25 | 0.47 | 58 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | SunDefense™ Low-E IG           | PEL-N-234-01189-00001    | 2.5        | 2.5  | argon    | 0.28                            | 0.21 | 0.49 | 60 |                                                                    |    | SC | S |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01190-00001    |            |      |          | 0.28                            | 0.19 | 0.44 | 60 |                                                                    |    | SC | S |                     |      |
|                                        | with integral grilles          | PEL-N-234-01191-00001    |            |      |          | 0.28                            | 0.19 | 0.44 | 60 |                                                                    |    | SC | S |                     |      |
| 11/16"                                 | SunDefense™ Low-E IG           | PEL-N-234-01193-00001    | 3          | 3    | argon    | 0.28                            | 0.21 | 0.49 | 59 |                                                                    |    | SC | S |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01194-00001    |            |      |          | 0.28                            | 0.19 | 0.43 | 59 |                                                                    |    | SC | S |                     |      |
|                                        | with integral grilles          | PEL-N-234-01195-00001    |            |      |          | 0.28                            | 0.19 | 0.43 | 59 |                                                                    |    | SC | S |                     |      |
| 11/16"                                 | SunDefense+ Low-E IG           | PEL-N-234-01813-00001    | 2.5        | 2.5  | argon    | 0.24                            | 0.21 | 0.48 | 49 |                                                                    | NC | SC | S |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01814-00001    |            |      |          | 0.24                            | 0.19 | 0.43 | 49 |                                                                    | NC | SC | S |                     |      |
|                                        | with integral grilles          | PEL-N-234-01815-00001    |            |      |          | 0.25                            | 0.19 | 0.43 | 49 |                                                                    | NC | SC | S |                     |      |
| 11/16"                                 | SunDefense+ Low-E IG           | PEL-N-234-01821-00001    | 3          | 3    | argon    | 0.24                            | 0.21 | 0.47 | 47 |                                                                    | NC | SC | S |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01822-00001    |            |      |          | 0.24                            | 0.19 | 0.42 | 47 |                                                                    | NC | SC | S |                     |      |
|                                        | with integral grilles          | PEL-N-234-01823-00001    |            |      |          | 0.25                            | 0.19 | 0.42 | 47 |                                                                    | NC | SC | S |                     |      |
| 11/16"                                 | AdvancedComfort Low-E IG       | PEL-N-234-01165-00001    | 2.5        | 2.5  | argon    | 0.24                            | 0.28 | 0.52 | 48 |                                                                    | NC |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01166-00001    |            |      |          | 0.24                            | 0.25 | 0.46 | 48 |                                                                    | NC |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01167-00001    |            |      |          | 0.25                            | 0.25 | 0.46 | 48 |                                                                    | NC |    |   |                     |      |
| 11/16"                                 | AdvancedComfort Low-E IG       | PEL-N-234-01169-00001    | 3          | 3    | argon    | 0.24                            | 0.28 | 0.51 | 47 |                                                                    | NC |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01170-00001    |            |      |          | 0.24                            | 0.25 | 0.46 | 47 |                                                                    | NC |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01171-00001    |            |      |          | 0.25                            | 0.25 | 0.46 | 47 |                                                                    | NC |    |   |                     |      |
| 11/16"                                 | NaturalSun Low-E IG            | PEL-N-234-01117-00001    | 2.5        | 2.5  | argon    | 0.29                            | 0.53 | 0.60 | 59 |                                                                    |    |    |   | 34                  | CA   |
|                                        | with grilles-between-the-glass | PEL-N-234-01118-00001    |            |      |          | 0.29                            | 0.47 | 0.53 | 59 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01119-00001    |            |      |          | 0.30                            | 0.47 | 0.53 | 59 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | NaturalSun Low-E IG            | PEL-N-234-01121-00001    | 3          | 3    | argon    | 0.29                            | 0.52 | 0.59 | 58 |                                                                    |    |    |   |                     |      |
|                                        | with grilles-between-the-glass | PEL-N-234-01122-00001    |            |      |          | 0.29                            | 0.46 | 0.53 | 58 |                                                                    |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01123-00001    |            |      |          | 0.30                            | 0.46 | 0.53 | 58 |                                                                    |    |    |   |                     |      |
| 11/16"                                 | NaturalSun+ Low-E IG           | PEL-N-234-01781-00001    | 2.5        | 2.5  | argon    | 0.25                            | 0.48 | 0.59 | 47 | N                                                                  |    |    |   | 36                  | CA   |
|                                        | with grilles-between-the-glass | PEL-N-234-01782-00001    |            |      |          | 0.25                            | 0.43 | 0.52 | 47 | N                                                                  |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01783-00001    |            |      |          | 0.26                            | 0.43 | 0.52 | 47 | N                                                                  |    |    |   |                     |      |
| 11/16"                                 | NaturalSun+ Low-E IG           | PEL-N-234-01789-00001    | 3          | 3    | argon    | 0.25                            | 0.47 | 0.58 | 46 | N                                                                  |    |    |   | 35                  | CA   |
|                                        | with grilles-between-the-glass | PEL-N-234-01790-00001    |            |      |          | 0.25                            | 0.42 | 0.52 | 46 | N                                                                  |    |    |   |                     |      |
|                                        | with integral grilles          | PEL-N-234-01791-00001    |            |      |          | 0.26                            | 0.42 | 0.52 | 46 | N                                                                  |    |    |   |                     |      |

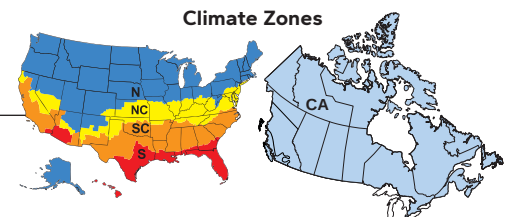
R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
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(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

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Non Rectangular Unit thermal values will vary slightly.







# Pella® Reserve™ Traditional Hung Window

## Glazing Performance - Total Unit

| Glazing Thickness                                    | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |    |                     |      |
|------------------------------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|----|---------------------|------|
|                                                      |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |    | Canada <sub>2</sub> |      |
|                                                      |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |    | ER                  | Zone |
| Tinted Glazing                                       |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S  | CA                  |      |
| 11/16"                                               | Bronze Advanced Low-E IG       | PEL-N-234-01225-00002    | 5          | 3    | argon    | 0.29                            | 0.25 | 0.34 | 57 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01226-00002    |            |      |          | 0.30                            | 0.23 | 0.30 | 57 |                                                                    |    |    | S  |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01227-00002    |            |      |          | 0.30                            | 0.23 | 0.30 | 57 |                                                                    |    |    | S  |                     |      |
| 11/16"                                               | Gray Advanced Low-E IG         | PEL-N-234-01225-00003    | 5          | 3    | argon    | 0.29                            | 0.23 | 0.29 | 57 |                                                                    |    |    |    | S                   |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01226-00003    |            |      |          | 0.30                            | 0.21 | 0.26 | 57 |                                                                    |    |    |    | S                   |      |
|                                                      | with integral grilles          | PEL-N-234-01227-00003    |            |      |          | 0.30                            | 0.21 | 0.26 | 57 |                                                                    |    |    |    | S                   |      |
| 11/16"                                               | Green Advanced Low-E IG        | PEL-N-234-01225-00004    | 5          | 3    | argon    | 0.29                            | 0.28 | 0.46 | 57 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01226-00004    |            |      |          | 0.30                            | 0.25 | 0.41 | 57 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01227-00004    |            |      |          | 0.30                            | 0.25 | 0.41 | 57 |                                                                    |    |    |    |                     |      |
| Vent Dual-Pane High Altitude Glazing - Wood Exterior |                                |                          |            |      |          |                                 |      |      |    |                                                                    |    |    |    |                     |      |
| 11/16"                                               | Advanced Low-E IG              | PEL-N-234-01153-00001    | 2.5        | 2.5  | air      | 0.31                            | 0.28 | 0.53 | 56 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01154-00001    |            |      |          | 0.31                            | 0.26 | 0.47 | 56 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01155-00001    |            |      |          | 0.32                            | 0.26 | 0.47 | 56 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | Advanced Low-E IG              | PEL-N-234-01157-00001    | 3          | 3    | air      | 0.32                            | 0.28 | 0.52 | 55 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01158-00001    |            |      |          | 0.32                            | 0.26 | 0.47 | 55 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01159-00001    |            |      |          | 0.33                            | 0.26 | 0.47 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | SunDefense™ Low-E IG           | PEL-N-234-01201-00001    | 2.5        | 2.5  | air      | 0.31                            | 0.21 | 0.49 | 56 |                                                                    |    |    |    | S                   |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01202-00001    |            |      |          | 0.31                            | 0.19 | 0.44 | 56 |                                                                    |    |    |    | S                   |      |
|                                                      | with integral grilles          | PEL-N-234-01203-00001    |            |      |          | 0.32                            | 0.19 | 0.44 | 56 |                                                                    |    |    |    | S                   |      |
| 11/16"                                               | SunDefense™ Low-E IG           | PEL-N-234-01205-00001    | 3          | 3    | air      | 0.31                            | 0.21 | 0.49 | 55 |                                                                    |    |    |    | S                   |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01206-00001    |            |      |          | 0.31                            | 0.19 | 0.43 | 55 |                                                                    |    |    |    | S                   |      |
|                                                      | with integral grilles          | PEL-N-234-01207-00001    |            |      |          | 0.32                            | 0.19 | 0.43 | 55 |                                                                    |    |    |    | S                   |      |
| 11/16"                                               | SunDefense+ Low-E IG           | PEL-N-234-01809-00001    | 2.5        | 2.5  | air      | 0.26                            | 0.21 | 0.48 | 45 |                                                                    |    |    | SC | S                   |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01810-00001    |            |      |          | 0.26                            | 0.19 | 0.43 | 45 |                                                                    |    |    | SC | S                   |      |
|                                                      | with integral grilles          | PEL-N-234-01811-00001    |            |      |          | 0.27                            | 0.19 | 0.43 | 45 |                                                                    |    |    | SC | S                   |      |
| 11/16"                                               | SunDefense+ Low-E IG           | PEL-N-234-01817-00001    | 3          | 3    | air      | 0.27                            | 0.21 | 0.47 | 43 |                                                                    |    |    | SC | S                   |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01818-00001    |            |      |          | 0.27                            | 0.19 | 0.42 | 43 |                                                                    |    |    | SC | S                   |      |
|                                                      | with integral grilles          | PEL-N-234-01819-00001    |            |      |          | 0.28                            | 0.19 | 0.42 | 43 |                                                                    |    |    | SC | S                   |      |
| 11/16"                                               | AdvancedComfort Low-E IG       | PEL-N-234-01177-00001    | 2.5        | 2.5  | air      | 0.27                            | 0.28 | 0.52 | 44 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01178-00001    |            |      |          | 0.27                            | 0.25 | 0.46 | 44 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01179-00001    |            |      |          | 0.27                            | 0.25 | 0.46 | 44 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | AdvancedComfort Low-E IG       | PEL-N-234-01181-00001    | 3          | 3    | air      | 0.27                            | 0.28 | 0.51 | 43 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01182-00001    |            |      |          | 0.27                            | 0.25 | 0.46 | 43 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01183-00001    |            |      |          | 0.28                            | 0.25 | 0.46 | 43 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | NaturalSun Low-E IG            | PEL-N-234-01129-00001    | 2.5        | 2.5  | air      | 0.32                            | 0.53 | 0.60 | 55 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01130-00001    |            |      |          | 0.32                            | 0.47 | 0.53 | 55 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01131-00001    |            |      |          | 0.33                            | 0.47 | 0.53 | 55 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | NaturalSun Low-E IG            | PEL-N-234-01133-00001    | 3          | 3    | air      | 0.33                            | 0.52 | 0.59 | 54 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01134-00001    |            |      |          | 0.33                            | 0.46 | 0.53 | 54 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01135-00001    |            |      |          | 0.33                            | 0.46 | 0.53 | 54 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | NaturalSun+ Low-E IG           | PEL-N-234-01777-00001    | 2.5        | 2.5  | air      | 0.27                            | 0.48 | 0.59 | 44 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01778-00001    |            |      |          | 0.27                            | 0.43 | 0.52 | 44 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01779-00001    |            |      |          | 0.28                            | 0.43 | 0.52 | 43 |                                                                    |    |    |    |                     |      |
| 11/16"                                               | NaturalSun+ Low-E IG           | PEL-N-234-01785-00001    | 3          | 3    | air      | 0.28                            | 0.47 | 0.58 | 42 |                                                                    |    |    |    |                     |      |
|                                                      | with grilles-between-the-glass | PEL-N-234-01786-00001    |            |      |          | 0.28                            | 0.42 | 0.52 | 42 |                                                                    |    |    |    |                     |      |
|                                                      | with integral grilles          | PEL-N-234-01787-00001    |            |      |          | 0.28                            | 0.42 | 0.52 | 42 |                                                                    |    |    |    |                     |      |

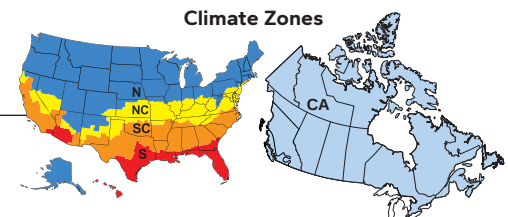
R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance  
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Visit [www.energystar.gov](http://www.energystar.gov) for Energy Star guidelines.

Non Rectangular Unit thermal values will vary slightly.

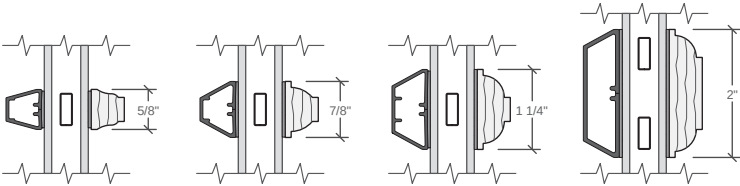




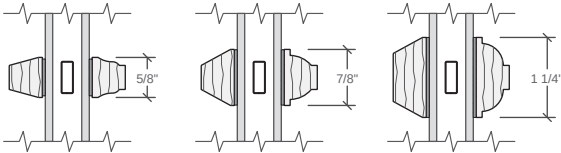
Grille Profiles

Traditional Style Collection - Integral Light Technology®

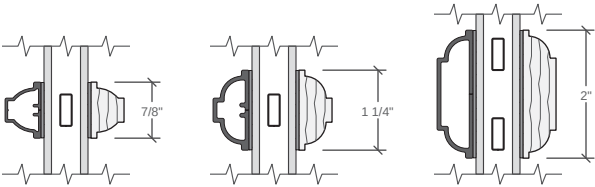
Putty Glaze and Ogee Grilles  
Clad Exterior - Wood Interior



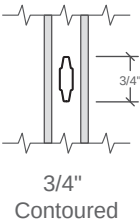
Putty Glaze and Ogee Grilles  
Wood Exterior - Wood Interior



Ogee Grilles  
Clad Exterior - Wood Interior



Grilles-Between-the-Glass



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.

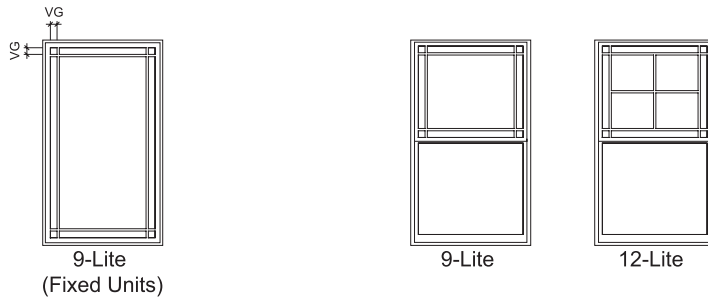




## Grille Patterns

### Integral light technology® Grilles

#### Prairie Lite Patterns

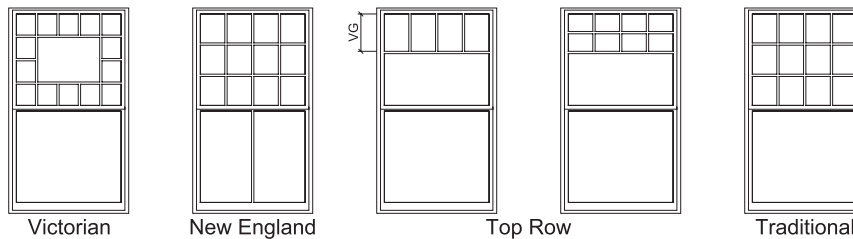


Standard corner lite dimension for Prairie patterns = 2-1/2" VG.

Available in transoms ≥ 1'3" height and width.

Available in all standard and special sizes.

#### Other Available Patterns

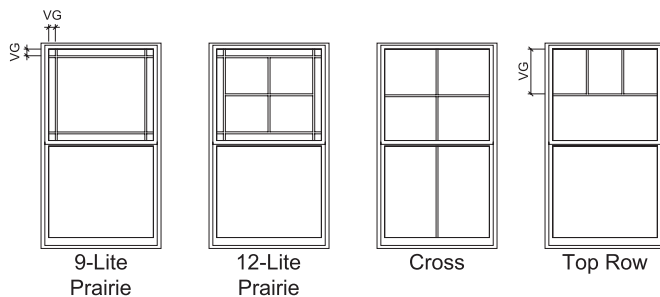


VG = Visible Glass

Lite dimensions noted can vary.

For size and pattern availability contact your local Pella sales representative.

### Grilles-Between-the-Glass



#### Prairie

- Standard corner lite dimension for Prairie patterns = 2-1/2" VG.

- Available in transoms ≥ 1'3" height and width.

#### Cross

- Minimum DH frame height 35".

- Horizontal bar will be at 1/2" of the VG height of the top sash.

#### Top Row

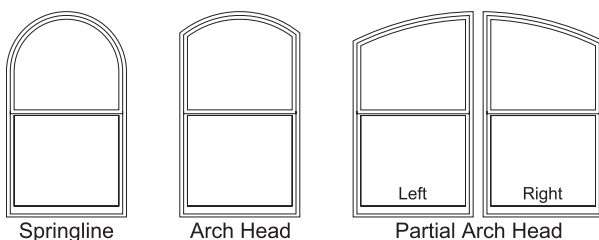
- Minimum DH frame height 35".

- Horizontal bar will be at 1/2" of the VG height of the top sash.

For traditional patterns, see size tables.

#### Custom shapes

Pella Reserve single-hung windows are available in custom shapes shown below, and additional shapes per drawing. For specifications, size limitations, and details on these units, contact your local Pella sales representative.





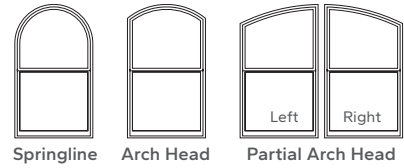
# Pella® Reserve™ Traditional Hung Window

## Size Tables - Equal Sash

| Fixed Transoms     |            |                |                |                |                |                |                    |                    |                    |
|--------------------|------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------|--------------------|
|                    |            | (552)<br>(533) | (654)<br>(635) | (756)<br>(737) | (857)<br>(838) | (959)<br>(940) | (1 060)<br>(1 041) | (1 162)<br>(1 143) | (1 238)<br>(1 219) |
| Opening            |            | 1' 9 3/4"      | 2' 1 3/4"      | 2' 5 3/4"      | 2' 9 3/4"      | 3' 1 3/4"      | 3' 5 3/4"          | 3' 9 3/4"          | 4' 0 3/4"          |
| Frame              |            | 1' 9"          | 2' 1"          | 2' 5"          | 2' 9"          | 3' 1"          | 3' 5"              | 3' 9"              | 4' 0"              |
| (654)<br>(635)     | 1' 2"      | 2114           | 2514           | 2914           | 3314           | 3714           | 4114               | 4514               | 4814               |
|                    | 1' 5"      | 2117           | 2517           | 2917           | 3317           | 3717           | 4117               | 4517               | 4817               |
|                    | 2' 1 3/4"  | 2125           | 2525           | 2925           | 3325           | 3725           | 4125               | 4525               | 4825               |
|                    | 2' 1"      |                |                |                |                |                |                    |                    |                    |
| Vent Units         |            |                |                |                |                |                |                    |                    |                    |
| (908)<br>(889)     | 2' 11 3/4" | 2135           | 2535           | 2935           | 3335           | 3735           | 4135               | 4535               | 4835               |
|                    | 3' 5 3/4"  | 2141           | 2541           | 2941           | 3341           | 3741           | 4141               | 4541               | 4841               |
|                    | 3' 11 3/4" | 2147           | 2547           | 2947           | 3347           | 3747           | 4147               | 4547               | 4847               |
|                    | 4' 5 3/4"  | 2153           | 2553           | 2953           | 3353           | 3753           | 4153               | 4553               | 4853               |
| (1 467)<br>(1 448) | 4' 9 3/4"  | 2157           | 2557           | 2957           | 3357           | 3757           | 4157               | 4557               | 4857               |
|                    | 4' 11 3/4" | 2159           | 2559           | 2959           | 3359           | 3759           | 4159               | 4559               | 4859               |
|                    | 5' 5 3/4"  | 2165           | 2565           | 2965           | 3365           | 3765           | 4165               | 4565               | 4865               |
|                    | 5' 11 3/4" | 2171           | 2571           | 2971           | 3371           | 3771           | 4171               | 4571               | 4871               |
| (1 975)<br>(1 956) | 6' 5 3/4"  | 2177           | 2577           | 2977           | 3377           | 3777           | 4177               | 4577               | 4877               |
|                    | 7' 0 3/4"  | 2184           | 2584           | 2984           | 3384           | 3784           | 4184               | 4584               | 4884               |
|                    |            |                |                |                |                |                |                    |                    |                    |
|                    |            |                |                |                |                |                |                    |                    |                    |

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.



Pella Reserve single-hung windows are available in shapes shown above, and additional custom shapes per drawing. For specifications, size limitations, and details on these units, contact your local Pella sales representative.

### Opening Dimensions

#### Clad Exterior Units:

Dimensions shown in standard size tables are rough opening dimensions.

#### Wood Exterior Units:

Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

| Frame      | Rough  |         | Masonry  |          |
|------------|--------|---------|----------|----------|
| Brickmould | Width  | Height  | Width    | Height   |
| STD        | + 3/4" | +1-7/8" | + 3-1/8" | + 3-1/8" |
| 3-1/2"     | + 3/4" | +1-7/8" | + 6-3/8" | + 4-3/4" |

For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. Consult your local building code to ensure products with Rolcreens meet egress requirements.





Size Tables - Fixed

Fixed Units

|                |                                     | (1 060)<br>(1 041)                                                                          | (1 213)<br>(1 194)                                                                          | (1 365)<br>(1 346)                                                                          | (1 518)<br>(1 499)                                                                          |
|----------------|-------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Opening        |                                     | 3' 5 <sup>3</sup> / <sub>4</sub> "                                                          | 3' 11 <sup>3</sup> / <sub>4</sub> "                                                         | 4' 5 <sup>3</sup> / <sub>4</sub> "                                                          | 4' 11 <sup>3</sup> / <sub>4</sub> "                                                         |
| Frame          |                                     | 3' 5"                                                                                       | 3' 11"                                                                                      | 4' 5"                                                                                       | 4' 11"                                                                                      |
| (908)<br>(889) | 2' 11 <sup>3</sup> / <sub>4</sub> " | <br>4135   | <br>4735   | <br>5335   | <br>5935   |
|                | 3' 5 <sup>3</sup> / <sub>4</sub> "  | <br>4141   | <br>4741   | <br>5341   | <br>5941   |
|                | 3' 11 <sup>3</sup> / <sub>4</sub> " | <br>4147   | <br>4747   | <br>5347   | <br>5947   |
|                | 4' 5 <sup>3</sup> / <sub>4</sub> "  | <br>4153   | <br>4753   | <br>5353   | <br>5953   |
|                | 4' 9"                               | <br>4157   | <br>4757   | <br>5357   | <br>5957   |
|                | 4' 11 <sup>3</sup> / <sub>4</sub> " | <br>4159  | <br>4759  | <br>5359  | <br>5959  |
|                | 5' 5 <sup>3</sup> / <sub>4</sub> "  | <br>4165 | <br>4765 | <br>5365 | <br>5965 |
|                | 5' 11"                              | <br>4171 | <br>4771 | <br>5371 | <br>5971 |

Opening Dimensions

**Clad Exterior Units:**  
Dimensions shown in standard size tables are rough opening dimensions.

**Wood Exterior Units:**  
Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

| Frame  | Rough  |         | Masonry  |          |
|--------|--------|---------|----------|----------|
|        | Width  | Height  | Width    | Height   |
| STD    | + 3/4" | +1-7/8" | + 3-1/8" | + 3-1/8" |
| 3-1/2" | + 3/4" | +1-7/8" | + 6-3/8" | + 4-3/4" |

For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.

Grille patterns will align with companion hung window with equal sash split.

5-lite high grille patterns may be ordered in 5'5" fixed units to match cottage sash vent units.

Grilles are equally-divided on fixed units with odd-number lites high.



# Pella® Reserve™ Traditional Hung Window

## Size Tables - Cottage Sash

### VENT UNITS

|                    | (552)<br>(533)                                                                      | (654)<br>(635)                                                                      | (756)<br>(737)                                                                      | (857)<br>(838)                                                                      | (959)<br>(940)                                                                      | (1 060)<br>(1 041)                                                                  | (1 162)<br>(1 143)                                                                  | (1 238)<br>(1 219)                                                                  |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Opening            | 1' 9 3/4"                                                                           | 2' 1 3/4"                                                                           | 2' 5 3/4"                                                                           | 2' 9 3/4"                                                                           | 3' 1 3/4"                                                                           | 3' 5 3/4"                                                                           | 3' 9 3/4"                                                                           | 4' 0 3/4"                                                                           |
| Frame              | 1' 9"                                                                               | 2' 1"                                                                               | 2' 5"                                                                               | 2' 9"                                                                               | 3' 1"                                                                               | 3' 5"                                                                               | 3' 9"                                                                               | 4' 0"                                                                               |
| (1 060)<br>(1 041) |    |    |    |    |    |    |    |    |
| (1 213)<br>(1 194) |    |    |    |    |    |    |    |    |
| (1 365)<br>(1 346) |    |    |    |    |    |    |    |    |
| (1 467)<br>(1 448) |    |    |    |    |    |    |    |    |
| (1 518)<br>(1 499) |    |    |    |    |    |    |    |    |
| (1 670)<br>(1 651) |  |  |  |  |  |  |  |  |
| (1 822)<br>(1 803) |  |  |  |  |  |  |  |  |
| (1 822)<br>(1 803) |  |  |  |  |  |  |  |  |

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. Consult your local building code to ensure products with Rolcreens meet egress requirements.

### Opening Dimensions

#### Clad Exterior Units:

Dimensions shown in standard size tables are rough opening dimensions.

#### Wood Exterior Units:

Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood sub sill.

| Frame      | Rough  |         | Masonry  |          |
|------------|--------|---------|----------|----------|
| Brickmould | Width  | Height  | Width    | Height   |
| STD        | + 3/4" | +1-7/8" | + 3-1/8" | + 3-1/8" |
| 3-1/2"     | + 3/4" | +1-7/8" | + 6-3/8" | + 4-3/4" |

For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.

Cottage units have unequal sash split. Sash glass ratio is 40% upper sash to 60% Lower sash.

Vent variable units have unequal sash split. Sash glass ratio is determined by checkrail heights. See unit sections for dimension requirements.





# Pella® Reserve™ Traditional Hung Window

## Size Tables - Replacement Equal Sash Sizes

### Transoms

|                | (616)<br>(597)                                                                              | (718)<br>(699)                                                                              | (762)<br>(749)                                                                              | (819)<br>(800)                                                                              | (921)<br>(902)                                                                              | (1 022)<br>(1 003)                                                                          | (1 073)<br>(1 054)                                                                          |
|----------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Opening        | 2' 0 1/4"                                                                                   | 2' 4 1/4"                                                                                   | 2' 6 1/4"                                                                                   | 2' 8 1/4"                                                                                   | 3' 0 1/4"                                                                                   | 3' 4 1/4"                                                                                   | 3' 6 1/4"                                                                                   |
| Frame          | 1' 11 1/2"                                                                                  | 2' 3 1/2"                                                                                   | 2' 5 1/2"                                                                                   | 2' 7 1/2"                                                                                   | 2' 11 1/2"                                                                                  | 3' 3 1/2"                                                                                   | 3' 5 1/2"                                                                                   |
| (375)<br>(356) |  23.5 x 14 |  27.5 x 14 |  29.5 x 14 |  31.5 x 14 |  35.5 x 14 |  39.5 x 14 |  41.5 x 14 |
| (451)<br>(432) |  23.5 x 17 |  27.5 x 17 |  29.5 x 17 |  31.5 x 17 |  35.5 x 17 |  39.5 x 17 |  41.5 x 17 |
| (654)<br>(635) |  23.5 x 25 |  27.5 x 25 |  29.5 x 25 |  31.5 x 25 |  35.5 x 25 |  39.5 x 25 |  41.5 x 25 |

### Vent Units

|                    |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                 |                                                                                                                |                                                                                                   |                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| (921)<br>(902)     |  23.5 x 35.5   |  27.5 x 35.5   |  29.5 x 35.5   |  31.5 x 35.5   |  35.5 x 35.5                  |  39.5 x 35.5     |  41.5 x 35.5     |
| (972)<br>(953)     |  23.5 x 37.5   |  27.5 x 37.5   |  29.5 x 37.5   |  31.5 x 37.5   |  35.5 x 37.5                  |  39.5 x 37.5     |  41.5 x 37.5     |
| (1 073)<br>(1 054) |  23.5 x 41.5   |  27.5 x 41.5   |  29.5 x 41.5   |  31.5 x 41.5   |  35.5 x 41.5                  |  39.5 x 41.5     |  41.5 x 41.5     |
| (1 175)<br>(1 156) |  23.5 x 45.5 |  27.5 x 45.5 |  29.5 x 45.5 |  31.5 x 45.5 |  35.5 x 45.5                |  39.5 x 45.5   |  41.5 x 45.5   |
| (1 226)<br>(1 206) |  23.5 x 47.5 |  27.5 x 47.5 |  29.5 x 47.5 |  31.5 x 47.5 |  35.5 x 47.5                |  39.5 x 47.5   |  41.5 x 47.5   |
| (1 327)<br>(1 308) |  23.5 x 51.5 |  27.5 x 51.5 |  29.5 x 51.5 |  31.5 x 51.5 |  35.5 x 51.5                |  39.5 x 51.5   |  41.5 x 51.5   |
| (1 378)<br>(1 359) |  23.5 x 53.5 |  27.5 x 53.5 |  29.5 x 53.5 |  31.5 x 53.5 |  35.5 x 53.5                |  39.5 x 53.5   |  41.5 x 53.5   |
| (1 473)<br>(1 461) |  23.5 x 57.5 |  27.5 x 57.5 |  29.5 x 57.5 |  31.5 x 57.5 |  35.5 x 57.5 E <sub>1</sub> |  39.5 x 57.5 E |  41.5 x 57.5 E |

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

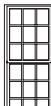
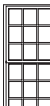
Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. Consult your local building code to ensure products with Rolcreens meet egress requirements.

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.



Size Tables - Replacement Sizes

| Vent Units         |            | (616)<br>(597)                                                                    | (718)<br>(699)                                                                    | (762)<br>(749)                                                                    | (819)<br>(800)                                                                                   | (921)<br>(902)                                                                                   | (1 022)<br>(1 003)                                                                  | (1 073)<br>(1 054)                                                                  |
|--------------------|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Opening            |            | 2' 0 1/4"                                                                         | 2' 4 1/4"                                                                         | 2' 6"                                                                             | 2' 8 1/4"                                                                                        | 3' 0 1/4"                                                                                        | 3' 4 1/4"                                                                           | 3' 6 1/4"                                                                           |
| Frame              |            | 1' 11 1/2"                                                                        | 2' 3 1/2"                                                                         | 2' 5 1/2"                                                                         | 2' 7 1/2"                                                                                        | 2' 11 1/2"                                                                                       | 3' 3 1/2"                                                                           | 3' 5 1/2"                                                                           |
| (1 530)<br>(1 511) | 5' 0 1/4"  |  |  |  |                 |  E <sub>1</sub> |  E |  E |
|                    | 4' 11 1/2" | 23.5 x 59.5                                                                       | 27.5 x 59.5                                                                       | 29.5 x 59.5                                                                       | 31.5 x 59.5                                                                                      | 35.5 x 59.5                                                                                      | 39.5 x 59.5                                                                         | 41.5 x 59.5                                                                         |
|                    | 5' 2 1/4"  |  |  |  |  E <sub>1</sub> |  E              |  E |  E |
|                    | 5' 1 1/2"  | 23.5 x 61.5                                                                       | 27.5 x 61.5                                                                       | 29.5 x 61.5                                                                       | 31.5 x 61.5                                                                                      | 35.5 x 61.5                                                                                      | 39.5 x 61.5                                                                         | 41.5 x 61.5                                                                         |
| (1 683)<br>(1 664) | 5' 6 1/4"  |  |  |  |  E <sub>1</sub> |  E              |  E |  E |
|                    | 5' 5 1/2"  | 23.5 x 65.5                                                                       | 27.5 x 65.5                                                                       | 29.5 x 65.5                                                                       | 31.5 x 65.5                                                                                      | 35.5 x 65.5                                                                                      | 39.5 x 65.5                                                                         | 41.5 x 65.5                                                                         |
| (1 835)<br>(1 816) | 6' 0 1/4"  |  |  |  |  E              |  E              |  E |  E |
|                    | 5' 11 1/2" | 23.5 x 71.5                                                                       | 27.5 x 71.5                                                                       | 29.5 x 71.5                                                                       | 31.5 x 71.5                                                                                      | 35.5 x 71.5                                                                                      | 39.5 x 71.5                                                                         | 41.5 x 71.5                                                                         |

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. Consult your local building code to ensure products with Rolcreens meet egress requirements.

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.





# Pella® Reserve™ Traditional Hung Window

## Size Tables - Replacement Cottage Sash Sizes

### Cottage Vent Units

|                    |            | (616)<br>(597)                                                                      | (718)<br>(699)                                                                      | (762)<br>(749)                                                                      | (819)<br>(800)                                                                      | (921)<br>(902)                                                                      | (1 022)<br>(1 003)                                                                  | (1 073)<br>(1 054)                                                                  |
|--------------------|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Opening            |            | 2' 0 1/4"                                                                           | 2' 4 1/4"                                                                           | 2' 6 1/4"                                                                           | 2' 8 1/4"                                                                           | 3' 0 1/4"                                                                           | 3' 4 1/4"                                                                           | 3' 6 1/4"                                                                           |
| Frame              |            | 1' 11 1/2"                                                                          | 2' 3 1/2"                                                                           | 2' 5 1/2"                                                                           | 2' 7 1/2"                                                                           | 2' 11 1/2"                                                                          | 3' 3 1/2"                                                                           | 3' 5 1/2"                                                                           |
| (1 073)<br>(1 054) | 3' 6 1/4"  |    |    |    |    |    |    |    |
|                    |            | 23.5 x 41.5                                                                         | 27.5 x 41.5                                                                         | 29.5 x 41.5                                                                         | 31.5 x 41.5                                                                         | 35.5 x 41.5                                                                         | 39.5 x 41.5                                                                         | 41.5 x 41.5                                                                         |
|                    | 3' 10 1/4" |    |    |    |    |    |    |    |
|                    |            | 23.5 x 45.5                                                                         | 27.5 x 45.5                                                                         | 29.5 x 45.5                                                                         | 31.5 x 45.5                                                                         | 35.5 x 45.5                                                                         | 39.5 x 45.5                                                                         | 41.5 x 45.5                                                                         |
|                    | 4' 0 1/4"  |    |    |    |    |    |    |    |
|                    |            | 23.5 x 47.5                                                                         | 27.5 x 47.5                                                                         | 29.5 x 47.5                                                                         | 31.5 x 47.5                                                                         | 35.5 x 47.5                                                                         | 39.5 x 47.5                                                                         | 41.5 x 47.5                                                                         |
|                    | 4' 4 1/4"  |    |    |    |    |    |    |    |
|                    |            | 23.5 x 51.5                                                                         | 27.5 x 51.5                                                                         | 29.5 x 51.5                                                                         | 31.5 x 51.5                                                                         | 35.5 x 51.5                                                                         | 39.5 x 51.5                                                                         | 41.5 x 51.5                                                                         |
| (1 378)<br>(1 359) | 4' 6 1/4"  |    |    |    |    |    |    |    |
|                    |            | 23.5 x 53.5                                                                         | 27.5 x 53.5                                                                         | 29.5 x 53.5                                                                         | 31.5 x 53.5                                                                         | 35.5 x 53.5                                                                         | 39.5 x 53.5                                                                         | 41.5 x 53.5                                                                         |
|                    | 4' 10 1/4" |   |   |   |   |   |   |   |
|                    |            | 23.5 x 57.5                                                                         | 27.5 x 57.5                                                                         | 29.5 x 57.5                                                                         | 31.5 x 57.5                                                                         | 35.5 x 57.5                                                                         | 39.5 x 57.5                                                                         | 41.5 x 57.5                                                                         |
|                    | 5' 0 1/4"  |  |  |  |  |  |  |  |
|                    |            | 23.5 x 59.5                                                                         | 27.5 x 59.5                                                                         | 29.5 x 59.5                                                                         | 31.5 x 59.5                                                                         | 35.5 x 59.5                                                                         | 39.5 x 59.5                                                                         | 41.5 x 59.5                                                                         |
|                    | 5' 2 1/4"  |  |  |  |  |  |  |  |
|                    |            | 23.5 x 61.5                                                                         | 27.5 x 61.5                                                                         | 29.5 x 61.5                                                                         | 31.5 x 61.5                                                                         | 35.5 x 61.5                                                                         | 39.5 x 61.5                                                                         | 41.5 x 61.5                                                                         |
| (1 683)<br>(1 664) | 5' 6 1/4"  |  |  |  |  |  |  |  |
|                    |            | 23.5 x 65.5                                                                         | 27.5 x 65.5                                                                         | 29.5 x 65.5                                                                         | 31.5 x 65.5                                                                         | 35.5 x 65.5                                                                         | 39.5 x 65.5                                                                         | 41.5 x 65.5                                                                         |
|                    | 5' 10 1/4" |  |  |  |  |  |  |  |
|                    |            | 23.5 x 71.5                                                                         | 27.5 x 71.5                                                                         | 29.5 x 71.5                                                                         | 31.5 x 71.5                                                                         | 35.5 x 71.5                                                                         | 39.5 x 71.5                                                                         | 41.5 x 71.5                                                                         |
|                    | 6' 0 1/4"  |  |  |  |  |  |  |  |
|                    |            | 23.5 x 71.5                                                                         | 27.5 x 71.5                                                                         | 29.5 x 71.5                                                                         | 31.5 x 71.5                                                                         | 35.5 x 71.5                                                                         | 39.5 x 71.5                                                                         | 41.5 x 71.5                                                                         |
|                    | 6' 4 1/4"  |  |  |  |  |  |  |  |
|                    |            | 23.5 x 71.5                                                                         | 27.5 x 71.5                                                                         | 29.5 x 71.5                                                                         | 31.5 x 71.5                                                                         | 35.5 x 71.5                                                                         | 39.5 x 71.5                                                                         | 41.5 x 71.5                                                                         |

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Clear opening (egress) information does not take into consideration the addition of a Roloscreen (or any other accessory) to the product. Consult your local building code to ensure products with Roloscreens meet egress requirements.

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.



Size Tables - Replacement Fixed Sizes

| Fixed Units        |                                     | (1 060)<br>(1 041)                 | (1 213)<br>(1 194)                  | (1 365)<br>(1 346)                 | (1 518)<br>(1 499)                  | (1 060)<br>(1 041)                 | (1 213)<br>(1 194)                  | (1 365)<br>(1 346)                 | (1 518)<br>(1 499)                  |
|--------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Opening            |                                     | 3' 5 <sup>3</sup> / <sub>4</sub> " | 3' 11 <sup>3</sup> / <sub>4</sub> " | 4' 5 <sup>3</sup> / <sub>4</sub> " | 4' 11 <sup>3</sup> / <sub>4</sub> " | 3' 5 <sup>3</sup> / <sub>4</sub> " | 3' 11 <sup>3</sup> / <sub>4</sub> " | 4' 5 <sup>3</sup> / <sub>4</sub> " | 4' 11 <sup>3</sup> / <sub>4</sub> " |
| Frame              |                                     | 3' 5"                              | 3' 11"                              | 4' 5"                              | 4' 11"                              | 3' 5"                              | 3' 11"                              | 4' 5"                              | 4' 11"                              |
| (1 473)<br>(1 461) | 3' 0 <sup>1</sup> / <sub>4</sub> "  | (921)<br>(902)                     |                                     |                                    |                                     | (1 530)<br>(1 511)                 |                                     |                                    |                                     |
|                    | 3' 2 <sup>1</sup> / <sub>4</sub> "  | (972)<br>(953)                     |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 3' 6 <sup>1</sup> / <sub>4</sub> "  | (1 073)<br>(1 054)                 |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 3' 10 <sup>1</sup> / <sub>4</sub> " | (1 175)<br>(1 156)                 |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 0 <sup>1</sup> / <sub>4</sub> "  | (1 226)<br>(1 206)                 |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 4 <sup>1</sup> / <sub>4</sub> "  | (1 327)<br>(1 308)                 |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 6 <sup>1</sup> / <sub>4</sub> "  | (1 378)<br>(1 359)                 |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 10 <sup>1</sup> / <sub>4</sub> " |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 9 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 2' 11 <sup>1</sup> / <sub>2</sub> " |                                    |                                     |                                    |                                     |                                    | 4' 11 <sup>1</sup> / <sub>2</sub> " |                                    |                                     |
|                    | 3' 1 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 3' 5 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    | 5' 1 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |
|                    | 3' 9 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 3' 11 <sup>1</sup> / <sub>2</sub> " |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 0 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 3 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 4' 5 <sup>1</sup> / <sub>2</sub> "  |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 41 x 35.5                           |                                    |                                     |                                    |                                     |                                    | 41 x 59.5                           |                                    |                                     |
|                    | 47 x 35.5                           |                                    |                                     |                                    |                                     |                                    | 47 x 59.5                           |                                    |                                     |
|                    | 53 x 35.5                           |                                    |                                     |                                    |                                     |                                    | 53 x 59.5                           |                                    |                                     |
|                    | 59 x 35.5                           |                                    |                                     |                                    |                                     |                                    | 59 x 59.5                           |                                    |                                     |
|                    | 41 x 37.5                           |                                    |                                     |                                    |                                     |                                    | 41 x 61.5                           |                                    |                                     |
|                    | 47 x 37.5                           |                                    |                                     |                                    |                                     |                                    | 47 x 61.5                           |                                    |                                     |
|                    | 53 x 37.5                           |                                    |                                     |                                    |                                     |                                    | 53 x 61.5                           |                                    |                                     |
|                    | 59 x 37.5                           |                                    |                                     |                                    |                                     |                                    | 59 x 61.5                           |                                    |                                     |
|                    | 41 x 41.5                           |                                    |                                     |                                    |                                     |                                    | 41 x 65.5                           |                                    |                                     |
|                    | 47 x 41.5                           |                                    |                                     |                                    |                                     |                                    | 47 x 65.5                           |                                    |                                     |
|                    | 41 x 45.5                           |                                    |                                     |                                    |                                     |                                    | 53 x 65.5                           |                                    |                                     |
|                    | 47 x 45.5                           |                                    |                                     |                                    |                                     |                                    | 59 x 65.5                           |                                    |                                     |
|                    | 53 x 45.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 59 x 45.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 41 x 47.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 47 x 47.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 53 x 47.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 59 x 47.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 41 x 51.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 47 x 51.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 53 x 51.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 59 x 51.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 41 x 53.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 47 x 53.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 53 x 53.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 59 x 53.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 41 x 57.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 47 x 57.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 53 x 57.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |
|                    | 59 x 57.5                           |                                    |                                     |                                    |                                     |                                    |                                     |                                    |                                     |

Not to scale.

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.





# Pella® Reserve™ Traditional Hung Window

## Special Sizes and Dimensions

### Special Size Frame Dimensions\*

| Sash configuration                           | Vent-Equal                   | Cottage                      | Fixed                        |
|----------------------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Sash Glass Ratio<br/>Top % : Bottom %</b> | 50 : 50                      | 40 : 60                      | NA                           |
| <b>Shortest Unit<br/>Frame Size</b>          | 24-3/8"<br>(619)             | 40-1/4"<br>(1 022)           | 17"<br>(432)                 |
| <b>Tallest Unit<br/>Frame Size</b>           | 96"<br>(2 438)               | 81"<br>(2 057)               | 71"<br>(1 803)               |
| <b>Unit Frame<br/>Width Range</b>            | 14" to 48"<br>(356 to 1 219) | 14" to 48"<br>(356 to 1 219) | 17" to 59"<br>(432 to 1 499) |

### Opening Dimensions

#### Clad Exterior Units:

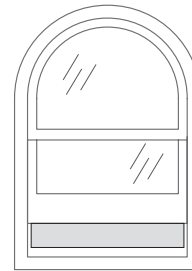
Dimensions shown in standard size tables are rough opening dimensions.

#### Wood Exterior Units:

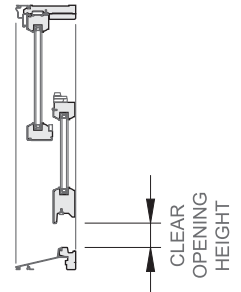
Use frame dimension plus dimensions below. This dimension includes the use of standard 1-1/8" wood subsill.

| Frame      | Rough  |         | Masonry  |          |
|------------|--------|---------|----------|----------|
| Brickmould | Width  | Height  | Width    | Height   |
| STD        | + 3/4" | +1-7/8" | + 3-1/8" | + 3-1/8" |
| 3-1/2"     | + 3/4" | +1-7/8" | + 6-3/8" | + 4-3/4" |

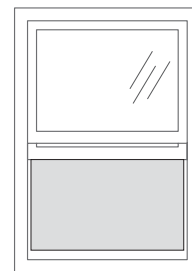
For clad and wood units with impact-resistant glass, see the product installation instructions or refer to local building code requirements.



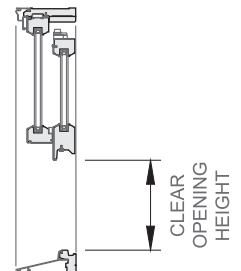
Shaded portion shows vent area.



CLEAR OPENING WIDTH



Shaded portion shows vent area.



### Equal Sash Rectangular Only

|                       | Vent Units                                                        | Fixed and Transom Units                           |
|-----------------------|-------------------------------------------------------------------|---------------------------------------------------|
| <b>Visible Glass</b>  | Width = Frame - 5.647"<br>Height = (Frame - 8.681") ÷ 2           | Width = Frame - 5.75"<br>Height = Frame - 5.75"   |
| <b>Actual Glass</b>   | Width = Frame - 4.375"<br>Height = (Frame - 5.983") ÷ 2           | Width = Frame - 4.375"<br>Height = Frame - 4.375" |
| <b>Clear Opening*</b> | COW = Frame Width - 3.4375"<br>COH = (Frame Height ÷ 2) - 4.4375" | —<br>—                                            |
| <b>Vent Area Ft²</b>  | (COW x COH) ÷ 144                                                 | —                                                 |

Traditional grille patterns shown. Refer to Grille Types section for additional patterns and profiles.

\* Some units with custom glazing may have limited travel. Integrated Rolscreen® is only available on sizes greater than or equal to 34" tall and 21" wide and less than or equal to 84" tall and 48" wide.

See your local Pella sales representative for specific size information.



Design Data

Vent Equal Sash for Single- and Double-Hung

| Unit | Egress | Clear Opening<br>(Inches) |                    | Vent<br>Area<br>Ft² | Visible<br>Glass<br>Ft² | Standard Glass<br>Thickness (mm) |          | Performance<br>Class & Grade <sup>1</sup> |      |
|------|--------|---------------------------|--------------------|---------------------|-------------------------|----------------------------------|----------|-------------------------------------------|------|
|      |        | Width<br>(Inches)         | Height<br>(Inches) |                     |                         | Annealed                         | Tempered | Clad                                      | Wood |
| 2135 |        | 17-5/16                   | 13-1/16            | 1.6                 | 2.8                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2141 |        | 17-5/16                   | 16-1/16            | 1.9                 | 3.4                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2147 |        | 17-5/16                   | 19-1/16            | 2.3                 | 4.1                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2153 |        | 17-5/16                   | 22-1/16            | 2.7                 | 4.7                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2157 |        | 17-5/16                   | 24-1/16            | 2.9                 | 5.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2159 |        | 17-5/16                   | 25-1/16            | 3.0                 | 5.4                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2165 |        | 17-5/16                   | 28-1/16            | 3.4                 | 6.0                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2171 |        | 17-5/16                   | 31-1/16            | 3.7                 | 6.6                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2177 |        | 17-5/16                   | 34-1/16            | 4.1                 | 7.3                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2184 |        | 17-5/16                   | 37-9/16            | 4.5                 | 8.0                     | 2.5                              | 3        | CW40                                      | CW40 |
| 2535 |        | 21-5/16                   | 13-1/16            | 1.9                 | 3.5                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2541 |        | 21-5/16                   | 16-1/16            | 2.4                 | 4.3                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2547 |        | 21-5/16                   | 19-1/16            | 2.8                 | 5.1                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2553 |        | 21-5/16                   | 22-1/16            | 3.3                 | 6.0                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2557 |        | 21-5/16                   | 24-1/16            | 3.6                 | 6.5                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2559 |        | 21-5/16                   | 25-1/16            | 3.7                 | 6.8                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2565 |        | 21-5/16                   | 28-1/16            | 4.2                 | 7.6                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2571 |        | 21-5/16                   | 31-1/16            | 4.6                 | 8.4                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2577 | E1     | 21-5/16                   | 34-1/16            | 5.0                 | 9.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2584 | E1     | 21-5/16                   | 37-9/16            | 5.6                 | 10.1                    | 2.5                              | 3        | CW40                                      | CW40 |
| 2935 |        | 25-5/16                   | 13-1/16            | 2.3                 | 4.3                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2941 |        | 25-5/16                   | 16-1/16            | 2.8                 | 5.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2947 |        | 25-5/16                   | 19-1/16            | 3.4                 | 6.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2953 |        | 25-5/16                   | 22-1/16            | 3.9                 | 7.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2957 |        | 25-5/16                   | 24-1/16            | 4.2                 | 7.8                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2959 |        | 25-5/16                   | 25-1/16            | 4.4                 | 8.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2965 |        | 25-5/16                   | 28-1/16            | 4.9                 | 9.1                     | 2.5                              | 3        | CW50                                      | CW45 |
| 2971 | E1     | 25-5/16                   | 31-1/16            | 5.5                 | 10.1                    | 2.5                              | 3        | CW50                                      | CW45 |
| 2977 | E      | 25-5/16                   | 34-1/16            | 6.0                 | 11.1                    | 2.5                              | 3        | CW50                                      | CW45 |
| 2984 | E      | 25-5/16                   | 37-9/16            | 6.6                 | 12.2                    | 2.5                              | 3        | CW40                                      | CW40 |
| 3335 |        | 29-5/16                   | 13-1/16            | 2.7                 | 5.0                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3341 |        | 29-5/16                   | 16-1/16            | 3.3                 | 6.1                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3347 |        | 29-5/16                   | 19-1/16            | 3.9                 | 7.3                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3353 |        | 29-5/16                   | 22-1/16            | 4.5                 | 8.4                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3357 |        | 29-5/16                   | 24-1/16            | 4.9                 | 9.2                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3359 | E1     | 29-5/16                   | 25-1/16            | 5.1                 | 9.6                     | 2.5                              | 3        | CW50                                      | CW45 |
| 3365 | E      | 29-5/16                   | 28-1/16            | 5.7                 | 10.7                    | 2.5                              | 3        | CW50                                      | CW45 |
| 3371 | E      | 29-5/16                   | 31-1/16            | 6.3                 | 11.8                    | 2.5                              | 3        | CW50                                      | CW45 |
| 3377 | E      | 29-5/16                   | 34-1/16            | 6.9                 | 13.0                    | 2.5                              | 3        | CW50                                      | CW45 |
| 3384 | E      | 29-5/16                   | 37-9/16            | 7.7                 | 14.3                    | 2.5                              | 3        | CW40                                      | CW40 |

Continued on next page

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum design pressure when glazed with appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.





Design Data

Vent Equal Sash for Single- and Double-Hung

| Unit | Egress         | Clear Opening (Inches) |                 | Vent Area Ft² | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |      |
|------|----------------|------------------------|-----------------|---------------|-------------------|-------------------------------|----------|----------------------------------------|------|
|      |                | Width (Inches)         | Height (Inches) |               |                   | Annealed                      | Tempered | Clad                                   | Wood |
| 3735 |                | 33-5/16                | 13-1/16         | 3.0           | 5.7               | 2.5                           | 3        | CW50                                   | CW45 |
| 3741 |                | 33-5/16                | 16-1/16         | 3.7           | 7.0               | 2.5                           | 3        | CW50                                   | CW45 |
| 3747 |                | 33-5/16                | 19-1/16         | 4.4           | 8.3               | 2.5                           | 3        | CW50                                   | CW45 |
| 3753 |                | 33-5/16                | 22-1/16         | 5.1           | 9.6               | 2.5                           | 3        | CW50                                   | CW45 |
| 3757 | E <sub>1</sub> | 33-5/16                | 24-1/16         | 5.6           | 10.5              | 2.5                           | 3        | CW50                                   | CW45 |
| 3759 | E              | 33-5/16                | 25-1/16         | 5.8           | 11.0              | 2.5                           | 3        | CW50                                   | CW45 |
| 3765 | E              | 33-5/16                | 28-1/16         | 6.5           | 12.3              | 2.5                           | 3        | CW50                                   | CW45 |
| 3771 | E              | 33-5/16                | 31-1/16         | 7.2           | 13.6              | 2.5                           | 3        | CW50                                   | CW45 |
| 3777 | E              | 33-5/16                | 34-1/16         | 7.9           | 14.9              | 2.5                           | 3        | CW50                                   | CW45 |
| 3784 | E              | 33-5/16                | 37-9/16         | 8.7           | 16.4              | 2.5                           | 3        | CW40                                   | CW40 |
| 4135 |                | 37-5/16                | 13-1/16         | 3.4           | 6.5               | 2.5                           | 3        | CW50                                   | CW45 |
| 4141 |                | 37-5/16                | 16-1/16         | 4.2           | 7.9               | 2.5                           | 3        | CW50                                   | CW45 |
| 4147 |                | 37-5/16                | 19-1/16         | 4.9           | 9.4               | 2.5                           | 3        | CW50                                   | CW45 |
| 4153 |                | 37-5/16                | 22-1/16         | 5.7           | 10.9              | 2.5                           | 3        | CW50                                   | CW45 |
| 4157 | E              | 37-5/16                | 24-1/16         | 6.2           | 11.9              | 2.5                           | 3        | CW50                                   | CW45 |
| 4159 | E              | 37-5/16                | 25-1/16         | 6.5           | 12.4              | 2.5                           | 3        | CW50                                   | CW45 |
| 4165 | E              | 37-5/16                | 28-1/16         | 7.3           | 13.8              | 2.5                           | 3        | CW50                                   | CW45 |
| 4171 | E              | 37-5/16                | 31-1/16         | 8.1           | 15.3              | 2.5                           | 3        | CW50                                   | CW45 |
| 4177 | E              | 37-5/16                | 34-1/16         | 8.8           | 16.8              | 2.5                           | 3        | CW45                                   | CW45 |
| 4184 | E              | 37-5/16                | 37-9/16         | 9.7           | 18.5              | 2.5                           | 3        | CW40                                   | CW40 |
| 4535 |                | 41-5/16                | 13-1/16         | 3.7           | 7.2               | 2.5                           | 3        | CW50                                   | CW45 |
| 4541 |                | 41-5/16                | 16-1/16         | 4.6           | 8.8               | 2.5                           | 3        | CW50                                   | CW45 |
| 4547 |                | 41-5/16                | 19-1/16         | 5.5           | 10.5              | 2.5                           | 3        | CW50                                   | CW45 |
| 4553 |                | 41-5/16                | 22-1/16         | 6.3           | 12.1              | 2.5                           | 3        | CW50                                   | CW45 |
| 4557 | E              | 41-5/16                | 24-1/16         | 6.9           | 13.2              | 2.5                           | 3        | CW50                                   | CW45 |
| 4559 | E              | 41-5/16                | 25-1/16         | 7.2           | 13.7              | 2.5                           | 3        | CW50                                   | CW45 |
| 4565 | E              | 41-5/16                | 28-1/16         | 8.1           | 15.4              | 2.5                           | 3        | CW50                                   | CW45 |
| 4571 | E              | 41-5/16                | 31-1/16         | 8.9           | 17.0              | 2.5                           | 3        | CW45                                   | CW45 |
| 4577 | E              | 41-5/16                | 34-1/16         | 9.8           | 18.7              | 2.5                           | 3        | CW45                                   | CW45 |
| 4584 | E              | 41-5/16                | 37-9/16         | 10.8          | 20.6              | 3                             | 3        | CW40                                   | CW40 |
| 4835 |                | 44-5/16                | 13-1/16         | 4.0           | 7.7               | 2.5                           | 3        | CW50                                   | CW45 |
| 4841 |                | 44-5/16                | 16-1/16         | 4.9           | 9.5               | 2.5                           | 3        | CW50                                   | CW45 |
| 4847 |                | 44-5/16                | 19-1/16         | 5.9           | 11.3              | 2.5                           | 3        | CW50                                   | CW45 |
| 4853 |                | 44-5/16                | 22-1/16         | 6.8           | 13.0              | 2.5                           | 3        | CW50                                   | CW45 |
| 4857 | E              | 44-5/16                | 24-1/16         | 7.4           | 14.2              | 2.5                           | 3        | CW50                                   | CW45 |
| 4859 | E              | 44-5/16                | 25-1/16         | 7.7           | 14.8              | 2.5                           | 3        | CW50                                   | CW45 |
| 4865 | E              | 44-5/16                | 28-1/16         | 8.6           | 16.6              | 2.5                           | 3        | CW45                                   | CW45 |
| 4871 | E              | 44-5/16                | 31-1/16         | 9.6           | 18.3              | 2.5                           | 3        | CW45                                   | CW45 |
| 4877 | E              | 44-5/16                | 34-1/16         | 10.5          | 20.1              | 3                             | 3        | CW45                                   | CW45 |
| 4884 | E              | 44-5/16                | 37-9/16         | 11.6          | 22.2              | 3                             | 3        | CW40                                   | CW40 |

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.



Design Data

| Fixed |                   |                               |          |                                        |
|-------|-------------------|-------------------------------|----------|----------------------------------------|
| Unit  | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sub>1</sub> |
|       |                   | Annealed                      | Tempered |                                        |
| 4135  | 7.2               | 2.5                           | 3        | CW50                                   |
| 4141  | 8.6               | 2.5                           | 3        | CW50                                   |
| 4147  | 10.1              | 3                             | 3        | CW50                                   |
| 4153  | 11.6              | 3                             | 3        | CW50                                   |
| 4157  | 12.5              | 3                             | 3        | CW50                                   |
| 4165  | 14.5              | 3                             | 3        | CW50                                   |
| 4171  | 16.0              | 3                             | 3        | CW45/CW50                              |
| 4735  | 8.4               | 2.5                           | 3        | CW50                                   |
| 4741  | 10.1              | 3                             | 3        | CW50                                   |
| 4747  | 11.8              | 3                             | 3        | CW50                                   |
| 4753  | 13.5              | 3                             | 3        | CW50                                   |
| 4757  | 14.7              | 3                             | 3        | CW50                                   |
| 4759  | 15.3              | 3                             | 3        | CW50                                   |
| 4765  | 17.0              | 3                             | 3        | CW45/CW50                              |
| 4771  | 18.7              | 4                             | 4        | CW50                                   |
| 5335  | 9.6               | 2.5                           | 3        | CW45/CW50                              |
| 5341  | 11.6              | 3                             | 3        | CW50                                   |
| 5347  | 13.5              | 3                             | 3        | CW50                                   |
| 5353  | 15.5              | 3                             | 4        | CW45/CW50                              |
| 5357  | 16.8              | 3                             | 4        | CW45/CW50                              |
| 5359  | 17.5              | 3                             | 4        | CW40/CW50                              |
| 5365  | 19.4              | 4                             | 4        | CW50                                   |
| 5371  | 21.4              | 4                             | 4        | CW50                                   |
| 5935  | 10.8              | 3                             | 3        | CW50                                   |
| 5941  | 13.0              | 3                             | 3        | CW50                                   |
| 5953  | 17.5              | 3                             | 4        | CW40/CW50                              |
| 5957  | 19.0              | 4                             | 4        | CW50                                   |
| 5959  | 19.7              | 4                             | 4        | CW50                                   |
| 5965  | 21.9              | 4                             | 4        | CW50                                   |
| 5971  | 24.1              | 4                             | 4        | CW45/CW50                              |

| Transoms |                   |                               |          |                                        |
|----------|-------------------|-------------------------------|----------|----------------------------------------|
| Unit     | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sub>1</sub> |
|          |                   | Annealed                      | Tempered |                                        |
| 2114     | 0.9               | 2.5                           | 3        | CW50                                   |
| 2514     | 1.1               | 2.5                           | 3        | CW50                                   |
| 2914     | 1.3               | 2.5                           | 3        | CW50                                   |
| 3314     | 1.6               | 2.5                           | 3        | CW50                                   |
| 3714     | 1.8               | 2.5                           | 3        | CW50                                   |
| 4114     | 2.0               | 2.5                           | 3        | CW50                                   |
| 4514     | 2.2               | 2.5                           | 3        | CW50                                   |
| 4814     | 2.4               | 2.5                           | 3        | CW50                                   |
| 2117     | 1.2               | 2.5                           | 3        | CW50                                   |
| 2517     | 1.5               | 2.5                           | 3        | CW50                                   |
| 2917     | 1.8               | 2.5                           | 3        | CW50                                   |
| 3317     | 2.1               | 2.5                           | 3        | CW50                                   |
| 3717     | 2.4               | 2.5                           | 3        | CW50                                   |
| 4117     | 2.8               | 2.5                           | 3        | CW50                                   |
| 4517     | 3.1               | 2.5                           | 3        | CW50                                   |
| 4817     | 3.3               | 2.5                           | 3        | CW50                                   |
| 2125     | 2.0               | 2.5                           | 3        | CW50                                   |
| 2525     | 2.6               | 2.5                           | 3        | CW50                                   |
| 2925     | 3.1               | 2.5                           | 3        | CW50                                   |
| 3325     | 3.6               | 2.5                           | 3        | CW50                                   |
| 3725     | 4.2               | 2.5                           | 3        | CW50                                   |
| 4125     | 4.7               | 2.5                           | 3        | CW50                                   |
| 4525     | 5.2               | 2.5                           | 3        | CW50                                   |
| 4825     | 5.6               | 2.5                           | 3        | CW50                                   |

(1) Maximum design pressure when glazed with the appropriate glass thickness. Second number, where shown, requires tempered glass.





Design Data

Cottage Sash for Single- and Double-Hung

| Unit   | Egress | Clear Opening<br>(Inches) |          | Vent<br>Area<br>Ft <sup>2</sup> | Visible<br>Glass<br>Ft <sup>2</sup> | Standard Glass<br>Thickness (mm) |          | Performance<br>Class & Grade <sup>1</sup> |      |
|--------|--------|---------------------------|----------|---------------------------------|-------------------------------------|----------------------------------|----------|-------------------------------------------|------|
|        |        | Width                     | Height   |                                 |                                     | Annealed                         | Tempered | Clad                                      | Wood |
| VG2141 |        | 17-5/16                   | 12-11/16 | 1.5                             | 3.4                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2147 |        | 17-5/16                   | 15-1/16  | 1.8                             | 4.1                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2153 |        | 17-5/16                   | 17-7/16  | 2.1                             | 4.7                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2157 |        | 17-5/16                   | 19-1/16  | 2.3                             | 5.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2159 |        | 17-5/16                   | 19-7/8   | 2.4                             | 5.4                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2165 |        | 17-5/16                   | 22-1/4   | 2.7                             | 6.0                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2171 |        | 17-5/16                   | 24-11/16 | 3.0                             | 6.6                                 | 2.5                              | 3        | CW30                                      | CW30 |
| VG2541 |        | 21-5/16                   | 12-11/16 | 1.9                             | 4.3                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2547 |        | 21-5/16                   | 15-1/16  | 2.2                             | 5.1                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2553 |        | 21-5/16                   | 17-7/16  | 2.6                             | 6.0                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2557 |        | 21-5/16                   | 19-1/16  | 2.8                             | 6.5                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2559 |        | 21-5/16                   | 19-7/8   | 2.9                             | 6.8                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2565 |        | 21-5/16                   | 22-1/4   | 3.3                             | 7.6                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2571 |        | 21-5/16                   | 24-11/16 | 3.7                             | 8.4                                 | 2.5                              | 3        | CW30                                      | CW30 |
| VG2941 |        | 25-5/16                   | 12-11/16 | 2.2                             | 5.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2947 |        | 25-5/16                   | 15-1/16  | 2.7                             | 6.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2953 |        | 25-5/16                   | 17-7/16  | 3.1                             | 7.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2957 |        | 25-5/16                   | 19-1/16  | 3.4                             | 7.8                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2959 |        | 25-5/16                   | 19-7/8   | 3.5                             | 8.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2965 |        | 25-5/16                   | 22-1/4   | 3.9                             | 9.1                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG2971 |        | 25-5/16                   | 24-11/16 | 4.3                             | 10.1                                | 2.5                              | 3        | CW30                                      | CW30 |
| VG3341 |        | 29-5/16                   | 12-11/16 | 2.6                             | 6.1                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3347 |        | 29-5/16                   | 15-1/16  | 3.1                             | 7.3                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3353 |        | 29-5/16                   | 17-7/16  | 3.6                             | 8.4                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3357 |        | 29-5/16                   | 19-1/16  | 3.9                             | 9.2                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3359 |        | 29-5/16                   | 19-7/8   | 4.1                             | 9.6                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3365 |        | 29-5/16                   | 22-1/4   | 4.5                             | 10.7                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG3371 | E1     | 29-5/16                   | 24-11/16 | 5.0                             | 11.8                                | 2.5                              | 3        | CW30                                      | CW30 |

Continued on next page

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



Design Data

Cottage Sash for Single- and Double-Hung

| Unit   | Egress | Clear Opening<br>(Inches) |          | Vent<br>Area<br>Ft <sup>2</sup> | Visible<br>Glass<br>Ft <sup>2</sup> | Standard Glass<br>Thickness (mm) |          | Performance<br>Class & Grade <sup>1</sup> |      |
|--------|--------|---------------------------|----------|---------------------------------|-------------------------------------|----------------------------------|----------|-------------------------------------------|------|
|        |        | Width                     | Height   |                                 |                                     | Annealed                         | Tempered | Clad                                      | Wood |
| VG3741 |        | 33-5/16                   | 12-11/16 | 2.9                             | 7.0                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3747 |        | 33-5/16                   | 15-1/16  | 3.5                             | 8.3                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3753 |        | 33-5/16                   | 17-7/16  | 4.0                             | 9.6                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG3757 |        | 33-5/16                   | 19-1/16  | 4.4                             | 10.5                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG3759 |        | 33-5/16                   | 19-7/8   | 4.6                             | 11.0                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG3765 |        | 33-5/16                   | 22-1/4   | 5.2                             | 12.3                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG3771 | E      | 33-5/16                   | 24-11/16 | 5.7                             | 13.6                                | 2.5                              | 3        | CW30                                      | CW30 |
| VG4141 |        | 37-5/16                   | 12-11/16 | 3.3                             | 7.9                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG4147 |        | 37-5/16                   | 15-1/16  | 3.9                             | 9.4                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG4153 |        | 37-5/16                   | 17-7/16  | 4.5                             | 10.9                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4157 |        | 37-5/16                   | 19-1/16  | 4.9                             | 11.9                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4159 |        | 37-5/16                   | 19-7/8   | 5.2                             | 12.4                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4165 |        | 37-5/16                   | 22-1/4   | 5.8                             | 13.8                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4171 | E      | 37-5/16                   | 24-11/16 | 6.4                             | 15.3                                | 2.5                              | 3        | CW30                                      | CW30 |
| VG4541 |        | 41-5/16                   | 12-11/16 | 3.6                             | 8.8                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG4547 |        | 41-5/16                   | 15-1/16  | 4.3                             | 10.5                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4553 |        | 41-5/16                   | 17-7/16  | 5.0                             | 12.1                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4557 |        | 41-5/16                   | 19-1/16  | 5.5                             | 13.2                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4559 |        | 41-5/16                   | 19-7/8   | 5.7                             | 13.8                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4565 |        | 41-5/16                   | 22-1/4   | 6.4                             | 15.4                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4571 | E      | 41-5/16                   | 24-11/16 | 7.1                             | 17.0                                | 3                                | 3        | CW30                                      | CW30 |
| VG4841 |        | 44-5/16                   | 12-11/16 | 3.9                             | 9.5                                 | 2.5                              | 3        | CW50                                      | CW45 |
| VG4847 |        | 44-5/16                   | 15-1/16  | 4.6                             | 11.3                                | 2.5                              | 3        | CW50                                      | CW45 |
| VG4853 |        | 44-5/16                   | 17-7/16  | 5.4                             | 13.0                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4857 |        | 44-5/16                   | 19-1/16  | 5.9                             | 14.2                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4859 |        | 44-5/16                   | 19-7/8   | 6.1                             | 14.8                                | 2.5                              | 3        | CW45                                      | CW45 |
| VG4865 |        | 44-5/16                   | 22-1/4   | 6.9                             | 16.6                                | 3                                | 3        | CW45                                      | CW45 |
| VG4871 | E      | 44-5/16                   | 24-11/16 | 7.6                             | 18.3                                | 3                                | 3        | CW30                                      | CW30 |

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m<sup>2</sup>), multiply square feet by 0.0929.





# Pella® Reserve™ Traditional Hung Window

## Design Data - Replacement Sizes

### Replacement Equal Sash for Single- and Double-Hung

| Unit        | Egress | Clear Opening  |                 | Vent Area<br>Ft² | Visible Glass<br>Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |      |
|-------------|--------|----------------|-----------------|------------------|----------------------|-------------------------------|----------|----------------------------------------|------|
|             |        | Width (Inches) | Height (Inches) |                  |                      | Annealed                      | Tempered | Clad                                   | Wood |
| 23.5 x 35.5 |        | 19-13/16       | 13-5/16         | 1.8              | 3.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 37.5 |        | 19-13/16       | 14-5/16         | 2.0              | 3.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 41.5 |        | 19-13/16       | 16-5/16         | 2.2              | 4.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 45.5 |        | 19-13/16       | 18-5/16         | 2.5              | 4.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 47.5 |        | 19-13/16       | 19-5/16         | 2.7              | 4.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 51.5 |        | 19-13/16       | 21-5/16         | 2.9              | 5.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 53.5 |        | 19-13/16       | 22-5/16         | 3.1              | 5.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 57.5 |        | 19-13/16       | 24-5/16         | 3.3              | 6.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 59.5 |        | 19-13/16       | 25-5/16         | 3.5              | 6.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 61.5 |        | 19-13/16       | 26-5/16         | 3.6              | 6.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 65.5 |        | 19-13/16       | 28-5/16         | 3.9              | 7.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 23.5 x 71.5 |        | 19-13/16       | 31-5/16         | 4.3              | 7.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 35.5 |        | 23-13/16       | 13-5/16         | 2.2              | 4.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 37.5 |        | 23-13/16       | 14-5/16         | 2.4              | 4.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 41.5 |        | 23-13/16       | 16-5/16         | 2.7              | 5.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 45.5 |        | 23-13/16       | 18-5/16         | 3.0              | 5.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 47.5 |        | 23-13/16       | 19-5/16         | 3.2              | 5.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 51.5 |        | 23-13/16       | 21-5/16         | 3.5              | 6.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 53.5 |        | 23-13/16       | 22-5/16         | 3.7              | 6.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 57.5 |        | 23-13/16       | 24-5/16         | 4.0              | 7.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 59.5 |        | 23-13/16       | 25-5/16         | 4.2              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 61.5 |        | 23-13/16       | 26-5/16         | 4.4              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 65.5 |        | 23-13/16       | 28-5/16         | 4.7              | 8.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 27.5 x 71.5 | E1     | 23-13/16       | 31-5/16         | 5.2              | 9.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 35.5 |        | 25-13/16       | 13-5/16         | 2.4              | 4.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 37.5 |        | 25-13/16       | 14-5/16         | 2.6              | 4.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 41.5 |        | 25-13/16       | 16-5/16         | 2.9              | 5.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 45.5 |        | 25-13/16       | 18-5/16         | 3.3              | 6.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 47.5 |        | 25-13/16       | 19-5/16         | 3.5              | 6.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 51.5 |        | 25-13/16       | 21-5/16         | 3.8              | 7.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 53.5 |        | 25-13/16       | 22-5/16         | 4.0              | 7.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 57.5 |        | 25-13/16       | 24-5/16         | 4.4              | 8.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 59.5 |        | 25-13/16       | 25-5/16         | 4.5              | 8.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 61.5 |        | 25-13/16       | 26-5/16         | 4.7              | 8.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 65.5 | E1     | 25-13/16       | 28-5/16         | 5.1              | 9.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| 29.5 x 71.5 | E1     | 25-13/16       | 31-5/16         | 5.6              | 10.4                 | 2.5                           | 3        | CW50                                   | CW45 |

Continued on next page

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.



# Pella® Reserve™ Traditional Hung Window

## Design Data - Replacement Sizes

### Replacement Equal Sash for Single- and Double-Hung

| Unit        | Egress         | Clear Opening  |                 | Vent Area<br>Ft² | Visible Glass<br>Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |      |
|-------------|----------------|----------------|-----------------|------------------|----------------------|-------------------------------|----------|----------------------------------------|------|
|             |                | Width (Inches) | Height (Inches) |                  |                      | Annealed                      | Tempered | Clad                                   | Wood |
| 31.5 x 35.5 |                | 27-13/16       | 13-5/16         | 2.6              | 4.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 37.5 |                | 27-13/16       | 14-5/16         | 2.8              | 5.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 41.5 |                | 27-13/16       | 16-5/16         | 3.2              | 5.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 45.5 |                | 27-13/16       | 18-5/16         | 3.5              | 6.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 47.5 |                | 27-13/16       | 19-5/16         | 3.7              | 7.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 51.5 |                | 27-13/16       | 21-5/16         | 4.1              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 53.5 |                | 27-13/16       | 22-5/16         | 4.3              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 57.5 |                | 27-13/16       | 24-5/16         | 4.7              | 8.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 59.5 |                | 27-13/16       | 25-5/16         | 4.9              | 9.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 61.5 | E <sub>1</sub> | 27-13/16       | 26-5/16         | 5.1              | 9.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 65.5 | E <sub>1</sub> | 27-13/16       | 28-5/16         | 5.5              | 10.2                 | 2.5                           | 3        | CW50                                   | CW45 |
| 31.5 x 71.5 | E              | 27-13/16       | 31-5/16         | 6.0              | 11.3                 | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 35.5 |                | 31-13/16       | 13-5/16         | 2.9              | 5.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 37.5 |                | 31-13/16       | 14-5/16         | 3.2              | 6.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 41.5 |                | 31-13/16       | 16-5/16         | 3.6              | 6.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 45.5 |                | 31-13/16       | 18-5/16         | 4.0              | 7.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 47.5 |                | 31-13/16       | 19-5/16         | 4.3              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 51.5 |                | 31-13/16       | 21-5/16         | 4.7              | 8.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 53.5 |                | 31-13/16       | 22-5/16         | 4.9              | 9.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 57.5 | E <sub>1</sub> | 31-13/16       | 24-5/16         | 5.4              | 10.1                 | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 59.5 | E <sub>1</sub> | 31-13/16       | 25-5/16         | 5.6              | 10.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 61.5 | E              | 31-13/16       | 26-5/16         | 5.8              | 10.9                 | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 65.5 | E              | 31-13/16       | 28-5/16         | 6.3              | 11.8                 | 2.5                           | 3        | CW50                                   | CW45 |
| 35.5 x 71.5 | E              | 31-13/16       | 31-5/16         | 6.9              | 13.0                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 35.5 |                | 35-13/16       | 13-5/16         | 3.3              | 6.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 37.5 |                | 35-13/16       | 14-5/16         | 3.6              | 6.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 41.5 |                | 35-13/16       | 16-5/16         | 4.1              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 45.5 |                | 35-13/16       | 18-5/16         | 4.6              | 8.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 47.5 |                | 35-13/16       | 19-5/16         | 4.8              | 9.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 51.5 |                | 35-13/16       | 21-5/16         | 5.3              | 10.1                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 53.5 |                | 35-13/16       | 22-5/16         | 5.5              | 10.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 57.5 | E              | 35-13/16       | 24-5/16         | 6.0              | 11.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 59.5 | E              | 35-13/16       | 25-5/16         | 6.3              | 11.9                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 61.5 | E              | 35-13/16       | 26-5/16         | 6.5              | 12.4                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 65.5 | E              | 35-13/16       | 28-5/16         | 7.0              | 13.4                 | 2.5                           | 3        | CW50                                   | CW45 |
| 39.5 x 71.5 | E              | 35-13/16       | 31-5/16         | 7.8              | 14.8                 | 2.5                           | 3        | CW45                                   | CW45 |
| 41.5 x 35.5 |                | 37-13/16       | 13-5/16         | 3.5              | 6.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 37.5 |                | 37-13/16       | 14-5/16         | 3.8              | 7.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 41.5 |                | 37-13/16       | 16-5/16         | 4.3              | 8.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 45.5 |                | 37-13/16       | 18-5/16         | 4.8              | 9.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 47.5 |                | 37-13/16       | 19-5/16         | 5.1              | 9.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 51.5 |                | 37-13/16       | 21-5/16         | 5.6              | 10.7                 | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 53.5 |                | 37-13/16       | 22-5/16         | 5.9              | 11.2                 | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 57.5 | E              | 37-13/16       | 24-5/16         | 6.4              | 12.2                 | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 59.5 | E              | 37-13/16       | 25-5/16         | 6.6              | 12.7                 | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 61.5 | E              | 37-13/16       | 26-5/16         | 6.9              | 13.1                 | 2.5                           | 3        | CW50                                   | CW45 |
| 41.5 x 65.5 | E              | 37-13/16       | 28-5/16         | 7.4              | 14.1                 | 2.5                           | 3        | CW45                                   | CW45 |
| 41.5 x 71.5 | E              | 37-13/16       | 31-5/16         | 8.2              | 15.6                 | 2.5                           | 3        | CW45                                   | CW45 |

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.





# Pella® Reserve™ Traditional Hung Window

## Design Data - Replacement Sizes

### Replacement Fixed

| Unit    | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |
|---------|-------------------|-------------------------------|----------|----------------------------------------|
|         |                   | Annealed                      | Tempered |                                        |
| 41x35.5 | 7.3               | 2.5                           | 3        | CW50                                   |
| 41x37.5 | 7.8               | 2.5                           | 3        | CW50                                   |
| 41x41.5 | 8.8               | 2.5                           | 3        | CW50                                   |
| 41x45.5 | 9.7               | 2.5                           | 3        | CW45/CW50                              |
| 41x47.5 | 10.2              | 3.0                           | 3        | CW50                                   |
| 41x51.5 | 11.2              | 3.0                           | 3        | CW50                                   |
| 41x53.5 | 11.7              | 3.0                           | 3        | CW50                                   |
| 41x57.5 | 12.7              | 3.0                           | 3        | CW50                                   |
| 41x59.5 | 13.2              | 3.0                           | 3        | CW50                                   |
| 41x61.5 | 13.6              | 3.0                           | 3        | CW50                                   |
| 41x65.5 | 14.6              | 3.0                           | 3        | CW50                                   |
| 41x71.5 | 16.1              | 3.0                           | 3        | CW45/CW50                              |
| 47x35.5 | 8.5               | 2.5                           | 3        | CW50                                   |
| 47x37.5 | 9.1               | 2.5                           | 3        | CW50                                   |
| 47x41.5 | 10.2              | 3.0                           | 3        | CW50                                   |
| 47x45.5 | 11.4              | 3.0                           | 3        | CW50                                   |
| 47x47.5 | 12.0              | 3.0                           | 3        | CW50                                   |
| 47x51.5 | 13.1              | 3.0                           | 3        | CW50                                   |
| 47x53.5 | 13.7              | 3.0                           | 3        | CW50                                   |
| 47x57.5 | 14.8              | 3.0                           | 3        | CW50                                   |
| 47x59.5 | 15.4              | 3.0                           | 3        | CW45/CW50                              |
| 47x61.5 | 16.0              | 3.0                           | 3        | CW45/CW50                              |
| 47x65.5 | 17.1              | 3.0                           | 3        | CW45/CW50                              |
| 47x71.5 | 18.8              | 4.0                           | 4        | CW50                                   |
| 53x35.5 | 9.8               | 2.5                           | 3        | CW45/CW50                              |
| 53x37.5 | 10.4              | 3.0                           | 3        | CW50                                   |
| 53x41.5 | 11.7              | 3.0                           | 3        | CW50                                   |
| 53x45.5 | 13.0              | 3.0                           | 3        | CW50                                   |
| 53x47.5 | 13.7              | 3.0                           | 3        | CW50                                   |
| 53x51.5 | 15.0              | 3.0                           | 4        | CW50                                   |
| 53x53.5 | 15.7              | 3.0                           | 4        | CW45/CW50                              |
| 53x57.5 | 17.0              | 3.0                           | 4        | CW45/CW50                              |
| 53x59.5 | 17.6              | 4.0                           | 4        | CW50                                   |
| 53x61.5 | 18.3              | 4.0                           | 4        | CW50                                   |
| 53x65.5 | 19.6              | 4.0                           | 4        | CW50                                   |
| 53x71.5 | 21.6              | 4.0                           | 4        | CW50                                   |
| 59x35.5 | 11.0              | 3.0                           | 3        | CW50                                   |
| 59x37.5 | 11.7              | 3.0                           | 3        | CW50                                   |
| 59x41.5 | 13.2              | 3.0                           | 3        | CW50                                   |
| 59x45.5 | 14.7              | 3.0                           | 3        | CW50                                   |
| 59x47.5 | 15.4              | 3.0                           | 3        | CW45/CW50                              |
| 59x51.5 | 16.9              | 3.0                           | 4        | CW45/CW50                              |
| 59x53.5 | 17.7              | 4.0                           | 4        | CW50                                   |
| 59x57.5 | 19.1              | 4.0                           | 4        | CW50                                   |
| 59x59.5 | 19.9              | 4.0                           | 4        | CW50                                   |
| 59x61.5 | 20.6              | 4.0                           | 4        | CW50                                   |
| 59x65.5 | 22.1              | 4.0                           | 4        | CW50                                   |
| 59x71.5 | 24.3              | 4.0                           | 4        | CW45/CW50                              |

### Replacement Transoms

| Unit    | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |
|---------|-------------------|-------------------------------|----------|----------------------------------------|
|         |                   | Annealed                      | Tempered |                                        |
| 23.5x14 | 1.0               | 2.5                           | 3        | CW50                                   |
| 23.5x17 | 1.4               | 2.5                           | 3        | CW50                                   |
| 23.5x25 | 2.4               | 2.5                           | 3        | CW50                                   |
| 27.5x14 | 1.2               | 2.5                           | 3        | CW50                                   |
| 27.5x17 | 1.7               | 2.5                           | 3        | CW50                                   |
| 27.5x25 | 2.9               | 2.5                           | 3        | CW50                                   |
| 29.5x14 | 1.4               | 2.5                           | 3        | CW50                                   |
| 29.5x17 | 1.9               | 2.5                           | 3        | CW50                                   |
| 29.5x25 | 3.2               | 2.5                           | 3        | CW50                                   |
| 31.5x14 | 1.5               | 2.5                           | 3        | CW50                                   |
| 31.5x17 | 2.0               | 2.5                           | 3        | CW50                                   |
| 31.5x25 | 3.4               | 2.5                           | 3        | CW50                                   |
| 35.5x14 | 1.7               | 2.5                           | 3        | CW50                                   |
| 35.5x17 | 2.3               | 2.5                           | 3        | CW50                                   |
| 35.5x25 | 4.0               | 2.5                           | 3        | CW50                                   |
| 39.5x14 | 1.9               | 2.5                           | 3        | CW50                                   |
| 39.5x17 | 2.6               | 2.5                           | 3        | CW50                                   |
| 39.5x25 | 4.5               | 2.5                           | 3        | CW50                                   |
| 41.5x14 | 2.0               | 2.5                           | 3        | CW50                                   |
| 41.5x17 | 2.8               | 2.5                           | 3        | CW50                                   |
| 41.5x25 | 4.8               | 2.5                           | 3        | CW50                                   |

(1) Maximum performance when glazed with the appropriate glass thickness. Second number, where shown, requires tempered glass.



# Pella® Reserve™ Traditional Hung Window

## Design Data

### Replacement Cottage Sash for Single- and Double-Hung

| Unit          | Egress | Clear Opening  |                 | Vent Area<br>Ft² | Visible Glass<br>Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |      |
|---------------|--------|----------------|-----------------|------------------|----------------------|-------------------------------|----------|----------------------------------------|------|
|               |        | Width (Inches) | Height (Inches) |                  |                      | Annealed                      | Tempered | Clad                                   | Wood |
| VG23.5 x 41.5 |        | 19-13/16       | 12-7/8          | 1.8              | 4.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 45.5 |        | 19-13/16       | 14-1/2          | 2.0              | 4.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 47.5 |        | 19-13/16       | 15-1/4          | 2.1              | 4.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 51.5 |        | 19-13/16       | 16-7/8          | 2.3              | 5.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 53.5 |        | 19-13/16       | 17-11/16        | 2.4              | 5.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 57.5 |        | 19-13/16       | 19-1/4          | 2.7              | 6.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 59.5 |        | 19-13/16       | 19-15/16        | 2.8              | 6.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 61.5 |        | 19-13/16       | 20-7/8          | 2.9              | 6.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG23.5 x 65.5 |        | 19-13/16       | 22-1/2          | 3.1              | 7.0                  | 2.5                           | 3        | CW40                                   | CW40 |
| VG23.5 x 71.5 |        | 19-13/16       | 24-7/8          | 3.4              | 7.8                  | 2.5                           | 3        | CW30                                   | CW30 |
| VG27.5 x 41.5 |        | 23-13/16       | 12-7/8          | 2.1              | 5.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 45.5 |        | 23-13/16       | 14-1/2          | 2.4              | 5.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 47.5 |        | 23-13/16       | 15-1/4          | 2.5              | 5.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 51.5 |        | 23-13/16       | 16-7/8          | 2.8              | 6.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 53.5 |        | 23-13/16       | 17-11/16        | 2.9              | 6.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 57.5 |        | 23-13/16       | 19-1/4          | 3.2              | 7.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 59.5 |        | 23-13/16       | 19-15/16        | 3.3              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 61.5 |        | 23-13/16       | 20-7/8          | 3.5              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG27.5 x 65.5 |        | 23-13/16       | 22-1/2          | 3.7              | 8.6                  | 2.5                           | 3        | CW40                                   | CW40 |
| VG27.5 x 71.5 |        | 23-13/16       | 24-7/8          | 4.1              | 9.5                  | 2.5                           | 3        | CW30                                   | CW30 |
| VG29.5 x 41.5 |        | 25-13/16       | 12-7/8          | 2.3              | 5.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 45.5 |        | 25-13/16       | 14-1/2          | 2.6              | 6.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 47.5 |        | 25-13/16       | 15-1/4          | 2.7              | 6.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 51.5 |        | 25-13/16       | 16-7/8          | 3.0              | 7.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 53.5 |        | 25-13/16       | 17-11/16        | 3.2              | 7.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 57.5 |        | 25-13/16       | 19-1/4          | 3.5              | 8.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 59.5 |        | 25-13/16       | 19-15/16        | 3.6              | 8.4                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 61.5 |        | 25-13/16       | 20-7/8          | 3.7              | 8.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG29.5 x 65.5 |        | 25-13/16       | 22-1/2          | 4.0              | 9.4                  | 2.5                           | 3        | CW40                                   | CW40 |
| VG29.5 x 71.5 |        | 25-13/16       | 24-7/8          | 4.5              | 10.4                 | 2.5                           | 3        | CW30                                   | CW30 |
| VG31.5 x 41.5 |        | 27-13/16       | 12-7/8          | 2.5              | 5.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 45.5 |        | 27-13/16       | 14-1/2          | 2.8              | 6.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 47.5 |        | 27-13/16       | 15-1/4          | 3.0              | 7.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 51.5 |        | 27-13/16       | 16-7/8          | 3.3              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 53.5 |        | 27-13/16       | 17-11/16        | 3.4              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 57.5 |        | 27-13/16       | 19-1/4          | 3.7              | 8.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 59.5 |        | 27-13/16       | 19-15/16        | 3.9              | 9.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 61.5 |        | 27-13/16       | 20-7/8          | 4.0              | 9.5                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG31.5 x 65.5 |        | 27-13/16       | 22-1/2          | 4.3              | 10.2                 | 2.5                           | 3        | CW40                                   | CW40 |
| VG31.5 x 71.5 |        | 27-13/16       | 24-7/8          | 4.8              | 11.3                 | 2.5                           | 3        | CW30                                   | CW30 |

Continued on next page

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.





# Pella® Reserve™ Traditional Hung Window

## Design Data

### Replacement Cottage Sash for Single- and Double-Hung

| Unit          | Egress         | Clear Opening  |                 | Vent Area<br>Ft² | Visible Glass<br>Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |      |
|---------------|----------------|----------------|-----------------|------------------|----------------------|-------------------------------|----------|----------------------------------------|------|
|               |                | Width (Inches) | Height (Inches) |                  |                      | Annealed                      | Tempered | Clad                                   | Wood |
| VG35.5 x 41.5 |                | 31-13/16       | 12-7/8          | 2.8              | 6.8                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 45.5 |                | 31-13/16       | 14-1/2          | 3.2              | 7.6                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 47.5 |                | 31-13/16       | 15-1/4          | 3.4              | 8.0                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 51.5 |                | 31-13/16       | 16-7/8          | 3.7              | 8.9                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 53.5 |                | 31-13/16       | 17-11/16        | 3.9              | 9.3                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 57.5 |                | 31-13/16       | 19-1/4          | 4.3              | 10.1                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 59.5 |                | 31-13/16       | 19-15/16        | 4.4              | 10.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 61.5 |                | 31-13/16       | 20-7/8          | 4.6              | 11.0                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG35.5 x 65.5 |                | 31-13/16       | 22-1/2          | 5.0              | 11.8                 | 2.5                           | 3        | CW40                                   | CW40 |
| VG35.5 x 71.5 | E <sub>1</sub> | 31-13/16       | 24-7/8          | 5.5              | 13.0                 | 2.5                           | 3        | CW30                                   | CW30 |
| VG39.5 x 41.5 |                | 35-13/16       | 12-7/8          | 3.2              | 7.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 45.5 |                | 35-13/16       | 14-1/2          | 3.6              | 8.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 47.5 |                | 35-13/16       | 15-1/4          | 3.8              | 9.1                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 51.5 |                | 35-13/16       | 16-7/8          | 4.2              | 10.1                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 53.5 |                | 35-13/16       | 17-11/16        | 4.4              | 10.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 57.5 |                | 35-13/16       | 19-1/4          | 4.8              | 11.5                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 59.5 |                | 35-13/16       | 19-15/16        | 5.0              | 11.9                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG39.5 x 61.5 |                | 35-13/16       | 20-7/8          | 5.2              | 12.4                 | 2.5                           | 3        | CW45                                   | CW45 |
| VG39.5 x 65.5 |                | 35-13/16       | 22-1/2          | 5.6              | 13.4                 | 2.5                           | 3        | CW40                                   | CW40 |
| VG39.5 x 71.5 | E              | 35-13/16       | 24-7/8          | 6.2              | 14.8                 | 2.5                           | 3        | CW30                                   | CW30 |
| VG41.5 x 41.5 |                | 37-13/16       | 12-7/8          | 3.4              | 8.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG41.5 x 45.5 |                | 37-13/16       | 14-1/2          | 3.8              | 9.2                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG41.5 x 47.5 |                | 37-13/16       | 15-1/4          | 4.0              | 9.7                  | 2.5                           | 3        | CW50                                   | CW45 |
| VG41.5 x 51.5 |                | 37-13/16       | 16-7/8          | 4.4              | 10.7                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG41.5 x 53.5 |                | 37-13/16       | 17-11/16        | 4.6              | 11.2                 | 2.5                           | 3        | CW50                                   | CW45 |
| VG41.5 x 57.5 |                | 37-13/16       | 19-1/4          | 5.1              | 12.2                 | 2.5                           | 3        | CW45                                   | CW45 |
| VG41.5 x 59.5 |                | 37-13/16       | 19-15/16        | 5.3              | 12.7                 | 2.5                           | 3        | CW45                                   | CW45 |
| VG41.5 x 61.5 |                | 37-13/16       | 20-7/8          | 5.5              | 13.2                 | 2.5                           | 3        | CW45                                   | CW45 |
| VG41.5 x 65.5 |                | 37-13/16       | 22-1/2          | 5.9              | 14.1                 | 2.5                           | 3        | CW40                                   | CW40 |
| VG41.5 x 71.5 | E              | 37-13/16       | 24-7/8          | 6.5              | 15.6                 | 2.5                           | 3        | CW30                                   | CW30 |

#### Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness.

To convert area to square meters (m²), multiply square feet by 0.0929.



## Detailed Product Description - Aluminum-Clad Exterior

### Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] [douglas fir].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127mm) for a wall depth of 3-11/16" (94mm).
- Optional factory applied jamb extensions available between 3-13/16" (97mm) and 9-3/16" (233mm).
- Vinyl jamb liner with wood / clad inserts.
- Optional factory installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.
- Optional factory-installed Pella Steady Set Installation System.

### Sash

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] [douglas fir]. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are clad with extruded aluminum butt-jointed at all corners of the sash with through-stile construction and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47mm).
- Double-Hung: Upper sash has surface-mounted wash locks for easy tilt-in cleaning] [Single-Hung: Fixed upper sash has surface-mounted wash locks] [Arch Head units have no wash locks].
- Lower sash has concealed wash locks in lower check rail allowing sash to tilt in for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.
- Sash exterior profile is [ogee] [putty glaze], interior profile is ogee.

### Weatherstripping

- Water-stop santoprene-wrapped foam at head and sill.
- Thermoplastic elastomer bulb with slip-coating set into lower sash for tight contact at check rail.
- Kerf mounted bristle weatherstrip at sill.
- Vinyl-wrapped foam inserted into jamb liner to seal against sides of sash.

### Glazing System

- Quality float glass complying with ASTM C 1036.
- Custom and high altitude glazing available.
- Silicone-glazed dual-pane 11/16" dual-seal insulating glass [[annealed] [tempered]], [[clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [AdvancedComfort] Low-E [with argon]] [[bronze] [gray] [green] Advanced Low-E [with Argon]] [obscure] [Reflective Bronze].  
– or –
- Silicone-glazed dual-pane 13/16" dual-seal [[annealed] [tempered]] non-impact laminated glass [[clear] [[Advanced] [SunDefense] Low-E [with Argon]] [[bronze] [gray] [green] Advanced Low-E [with argon]].

### Exterior

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
  - Color is [standard] [feature] [custom]<sub>1</sub>.  
– or –
- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
  - Color is [standard] [feature] [custom]<sub>1</sub>.

### Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [pine: factory prefinished [paint] [stain]<sub>1</sub>].

### Hardware

- Galvanized block-and-tackle balances are connected to self-locking balance shoes which are connected to the sashes using zinc die cast terminals and concealed within the frame.
- Sash lock is [standard (cam-action)] [historic spoon-style] [air-conditioner lock] [simulated lock (Single-piece lock ties upper and lower sash together. When removed lower sash becomes operable)]. Two sash locks on units with frame width 37" and greater.
- Optional sash lift furnished for field installation. Two lifts on units with frame width 37" and greater.
- Hardware finish is [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Satin Brass] [Satin Nickel] [Oil-rubbed Bronze] [Distressed Bronze] [Distressed Nickel].

### Optional Products

#### Sash

- Exterior sash lugs
  - Optional factory applied accessory. Exterior finish is [Standard]<sub>1</sub> [Custom]<sub>1</sub>.

#### Grilles

- Integral Light Technology® grilles
  - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]<sub>1</sub>].
  - Exterior grilles are [5/8" putty glaze profile] [7/8" [putty glaze] [ogee] profile] [1-1/4" [putty glaze] [ogee] profile] [2" ogee profile] that are extruded aluminum.
  - Patterns are [Traditional] [Prairie] [Top Row] [New England] [Victorian].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer.  
– or –
- Grilles-Between-the-Glass<sub>2</sub>
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
  - Interior color is [White] [Tan<sub>3</sub>] [Brown<sub>3</sub>] [Putty<sub>3</sub>] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
  - Exterior color<sub>4</sub> is [standard]<sub>1</sub>.

#### Screens

- Integrated Rolscreen® (for rectangular units only)<sub>6</sub>
  - Retractable screen integrated into [lower sash] [both upper and lower sash]. Screen rollers are fixed and concealed within the frame, screen is held to the sash by magnets which release when the bottom sash is tilted for cleaning, and when the upper sash is opened past 18".
  - InView Screen cloth, black vinyl-coated 18/18 mesh fiberglass screen cloth complying with ASTM D 3656 and the performance requirements of SMA 1201.  
– or –
- InView™ screens
  - [Half-Size] [Full-Size<sub>4</sub>] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in a [standard roll-form] [premium extruded] aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
  - Full screen spreader bar placed on units > 37" width or > 65" height.
  - Screen frame finish is [standard screen: baked enamel] [premium extruded: baked enamel], color to match window cladding.

#### Hardware

- Optional factory applied limited opening device available for vent units in stainless steel; nominal 3-3/4" opening. Limiting device concealed from view.
- Optional factory applied window opening control device. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

(1) Contact your local Pella sales representative for current designs and color options.

(2) Available in clear or Low-E insulating glass only.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.

(5) Full screens are available on units ≤ 96" height.

(6) Integrated Rolscreen only available on sizes ≥ 34" tall and 21" wide, and ≤ 84" tall and 48" wide.





## Detailed Product Description - Wood Exterior

### Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] (standard rectangular windows only). Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are [pine] [mahogany].
- Overall frame depth is 4-3/8" (111mm) for a wall depth of 4-3/16" (106mm).
- Vinyl Jamb liner includes wood / clad inserts.
- Optional factory applied jamb extensions available between 4-5/16" (110mm) and 9-3/16" (233mm).

### Sash

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] (standard rectangular windows only). Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are [pine] [mahogany].
- Sash exterior profile is putty glaze, interior profile is ogee.
- Corners [mortised and tenoned on rectangular units] [mitered on arch head units], glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47mm).
- [Double-Hung: Upper sash has surface-mounted wash locks] [Single-Hung: Fixed upper sash has surface-mounted wash locks] [Arch Head units have no wash locks].
- Lower sash has concealed wash locks in lower check rail.
- Sashes tilt in for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.

### Weatherstripping

- Water-stop santoprene-wrapped foam at head and sill. Thermoplastic elastomer bulb with slip-coating set into lower sash for tight contact at check rail.
- Kerf mounted bristle weatherstrip at sill.
- Vinyl-wrapped foam inserted into jamb liner to seal against sides of sash.

### Glazing System

- Quality float glass complying with ASTM C 1036.
- Custom and high altitude glazing available.
- Silicone-glazed 11/16" dual-seal insulating glass [[annealed] [tempered]] [[clear] [[Advanced] [SunDefense™] [SunDefense+] [AdvancedComfort] [NaturalSun] [NaturalSun+] Low-E [with argon]] [bronze] [gray] [green] Advanced Low-E with argon].

### Exterior

- [Pine: factory primed with one coat acrylic latex] [Mahogany: [factory primed with one coat acrylic latex] [Unfinished, ready for site finishing]].

### Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [pine: factory prefinished [paint] [stain]<sub>1</sub>].

### Hardware

- Galvanized block-and-tackle balances are connected to self-locking balance shoes which are connected to the sashes using zinc die cast terminals and concealed within the frame.
- Sash lock is [standard (cam-action)] [historic spoon-style] [air-conditioner lock] [simulated lock (Single-piece lock ties upper and lower sash together. When removed lower sash becomes operable)]. Two sash locks on units with frame width 37" and greater.
- Optional sash lift furnished for field installation. Two lifts on units with frame width 37" and greater.
- Hardware finish is [baked enamel [Champagne] [White] [Brown] [Matte Black]] [satin brass] [satin nickel] [oil-rubbed bronze] [distressed bronze] [distressed nickel].

### Optional Products

#### Grilles

- Integral Light Technology® grilles
  - Interior grilles are solid [5/8"] [7/8"] [1-1/4"] ogee profile that are solid [pine] [mahogany]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]<sub>1</sub>].
  - Exterior grilles are solid [5/8"] [7/8"] [1-1/4"] putty glaze profile that are [pine] [mahogany]. Exterior surfaces are water repellent, preservative-treated in accordance with WDMA I.S.-4, and are [unfinished, ready for site finishing] [factory primed].
  - Patterns are [Traditional] [Prairie] [Top Row] [New England] [Victorian].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer  
– or –
- Grilles-Between-the-Glass<sub>2</sub>
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
  - Interior color is [White] [Tan<sub>3</sub>] [Brown<sub>3</sub>] [Putty<sub>3</sub>] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
  - Exterior color<sub>5</sub> is [standard]<sub>1</sub>.

#### Screens

- InView™ Screens
  - [Half-Size] [Full-Size<sub>4</sub>] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in a [standard roll-form aluminum frame with 3/4" wide rails and stiles] [premium extruded aluminum frame with 1" wide rails and stiles] fitted to outside of window, supplied complete with all necessary hardware.
  - Full screen spreader bar placed on units > 37" width or > 65" height.
  - Insect screen frame finish is baked enamel.

#### Hardware

- Optional factory applied limited opening device available for vent units in stainless steel; nominal 3-3/4" opening. Limiting device concealed from view.
- Optional factory applied window opening control device. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

(1) Contact your local Pella sales representative for current designs and color options.

(2) Available in clear or Low-E insulating glass with argon, and obscure insulated glass.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

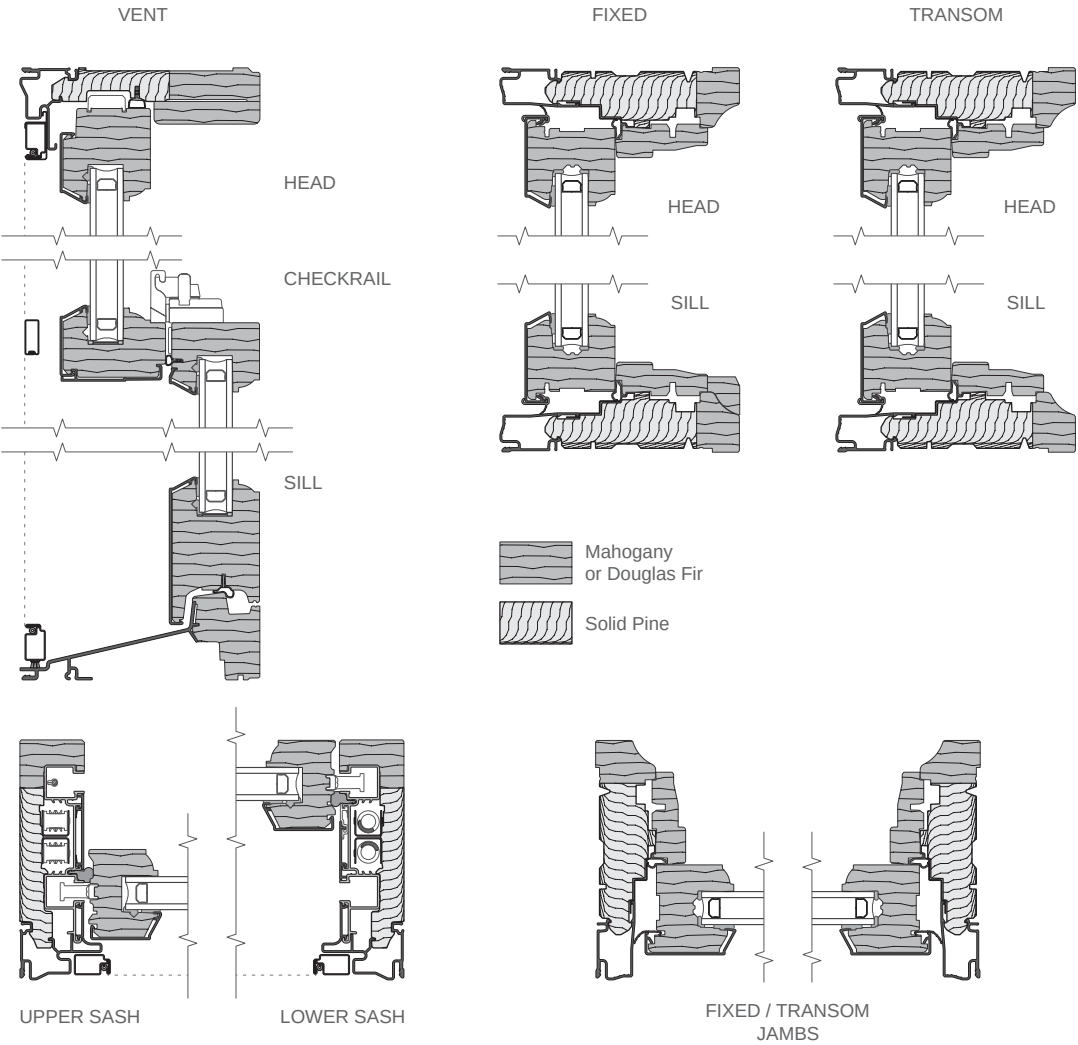
(4) Full screens are available on units ≤ 96" height.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.



Pella® Reserve™ Traditional Hung Window

Unit Sections – Wood Collection

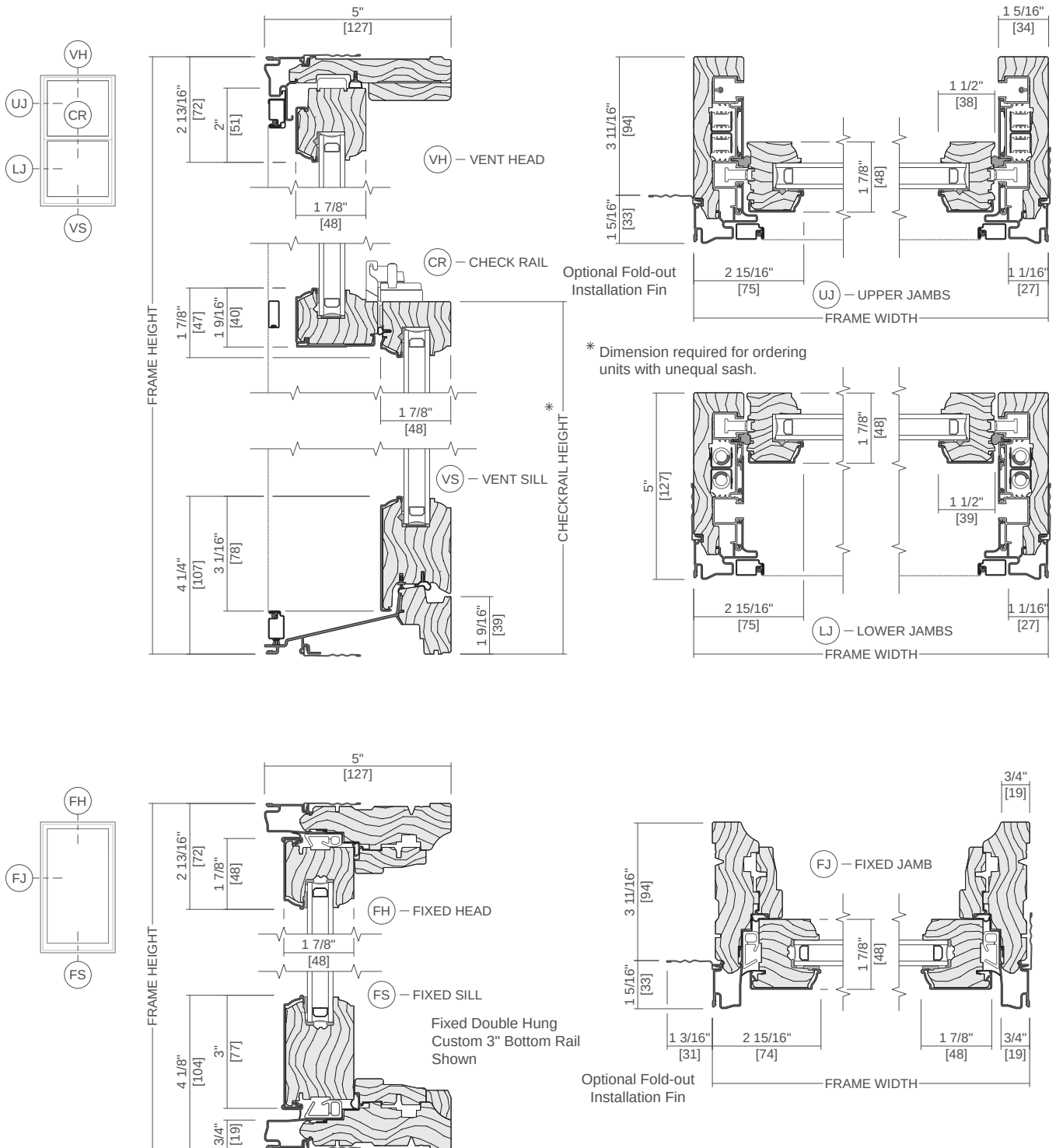






## Pella® Reserve™ Traditional Hung Window

### Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile

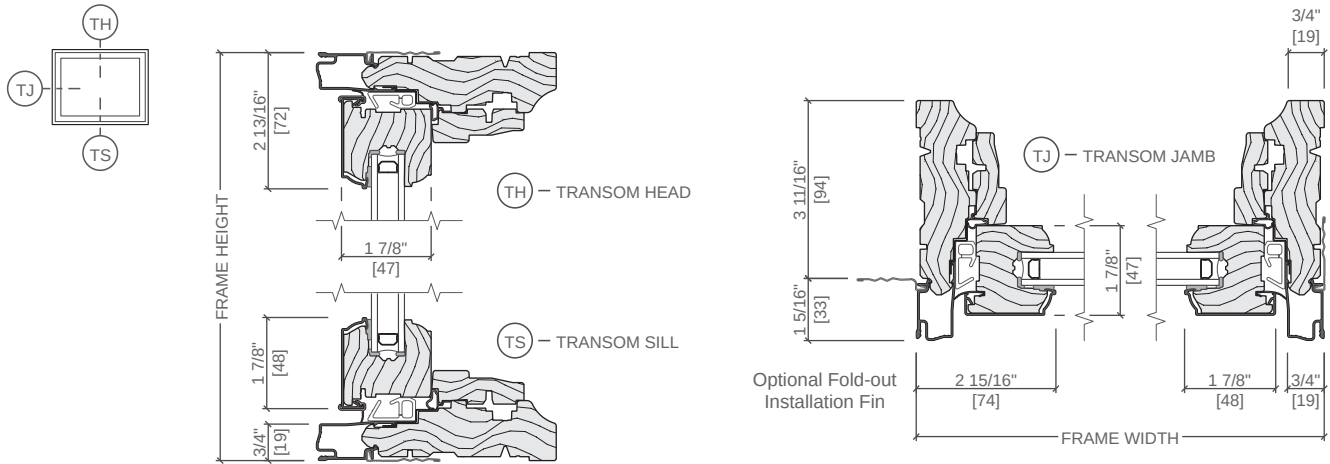


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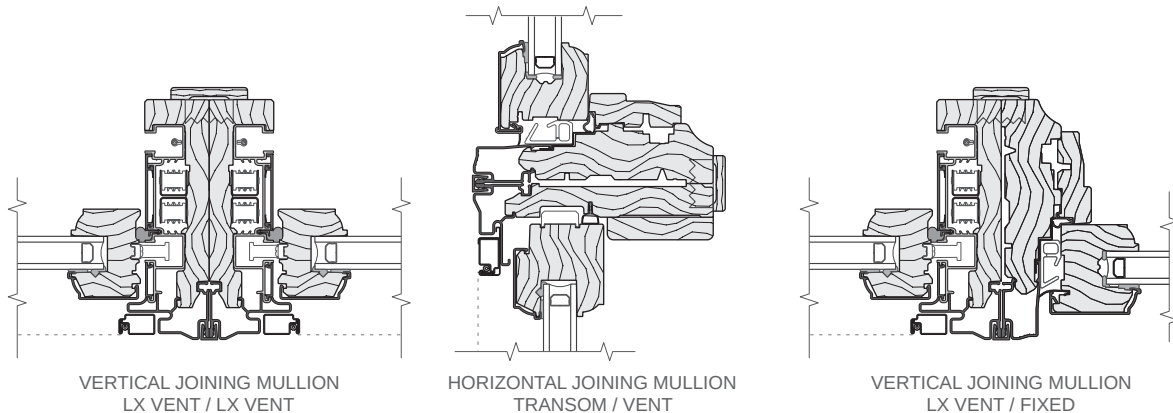
All dimensions are approximate.



Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile



Typical Joining Mullions



Scale 3" = 1' 0"

All dimensions are approximate.

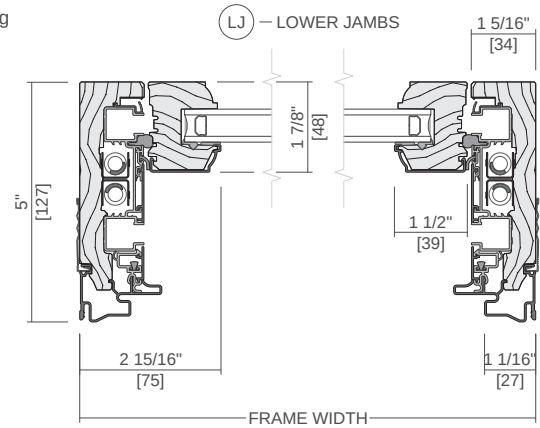
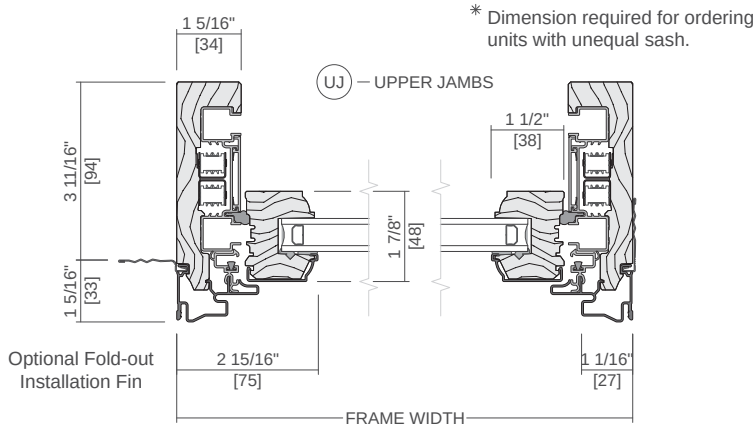
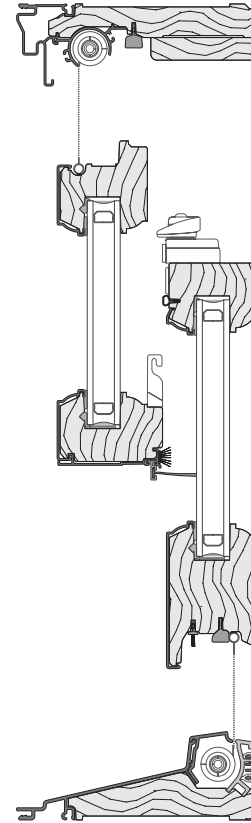
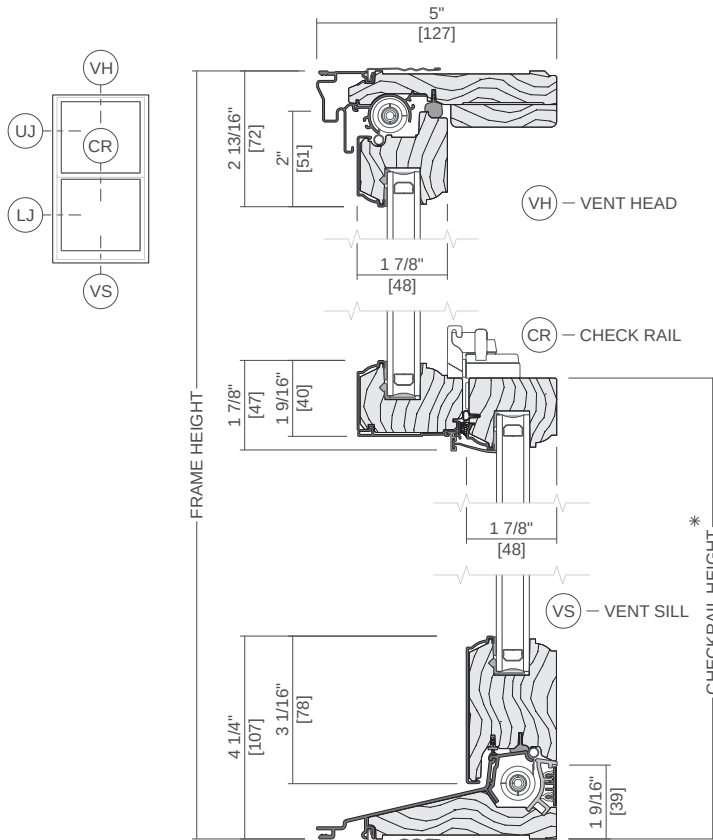
See supporting document Combination Recommendations, for mullion limitations and reinforcing requirements.





# Pella® Reserve™ Traditional Hung Window

## Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile with Integrated Rolscreen®



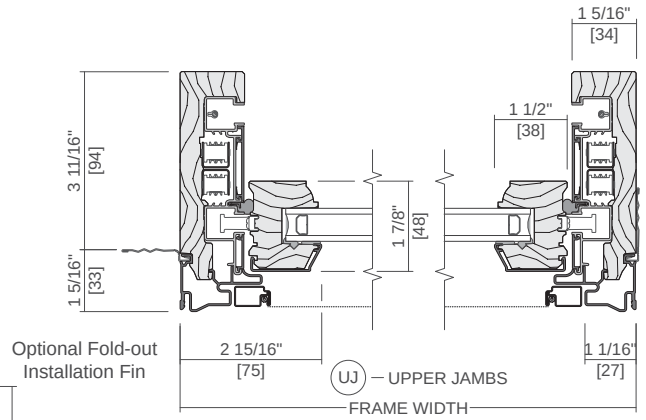
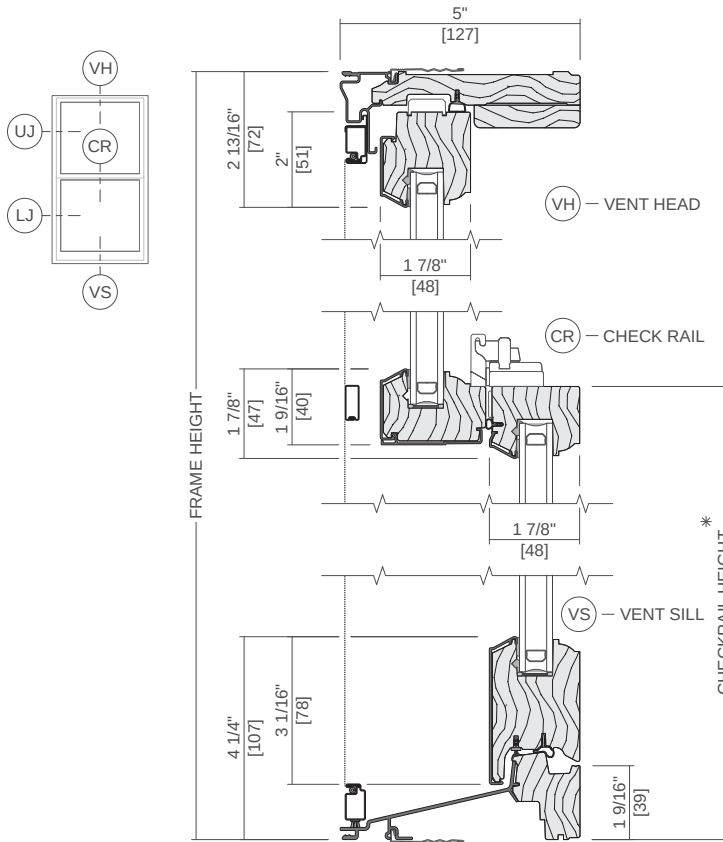
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All dimensions are approximate.

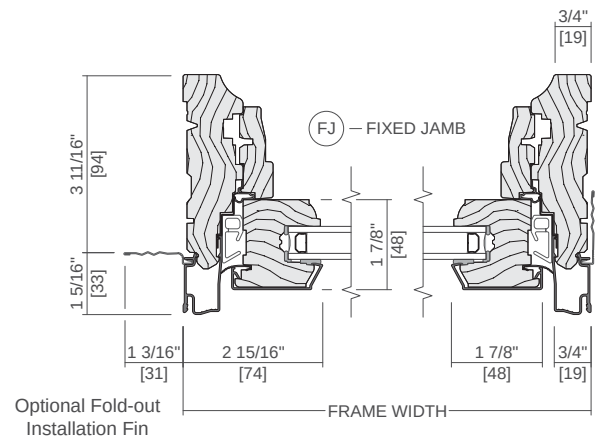
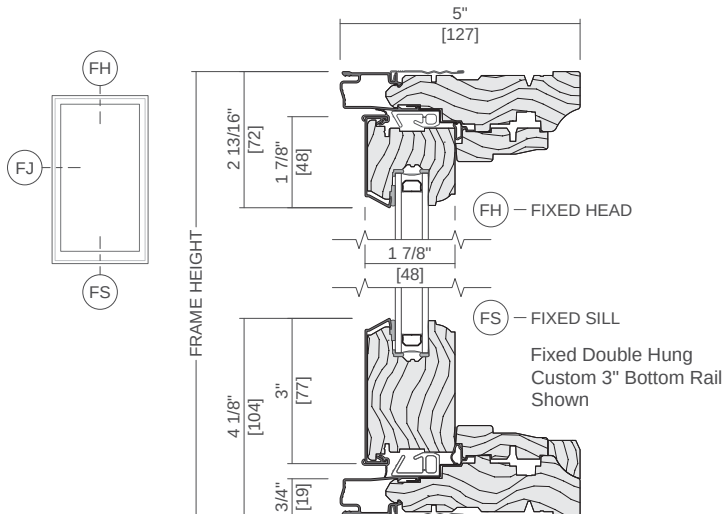
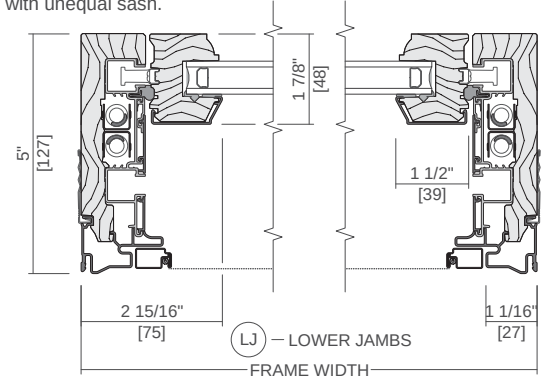


# Pella® Reserve™ Traditional Hung Window

## Unit Sections - Aluminum-Clad Putty Glaze Exterior Profile



\* Dimension required for ordering units with unequal sash.



Scale 3" = 1' 0"

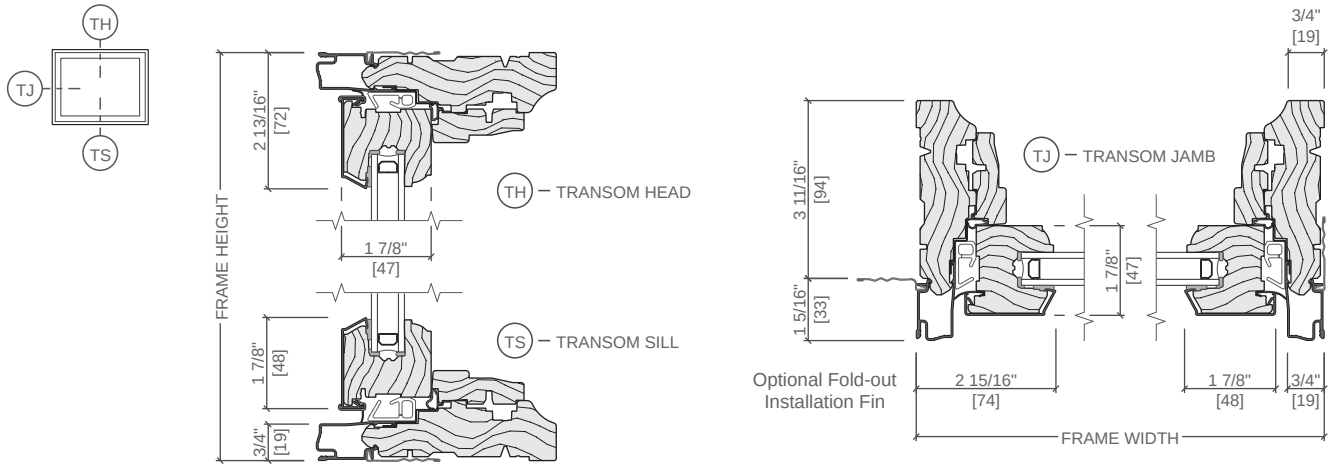
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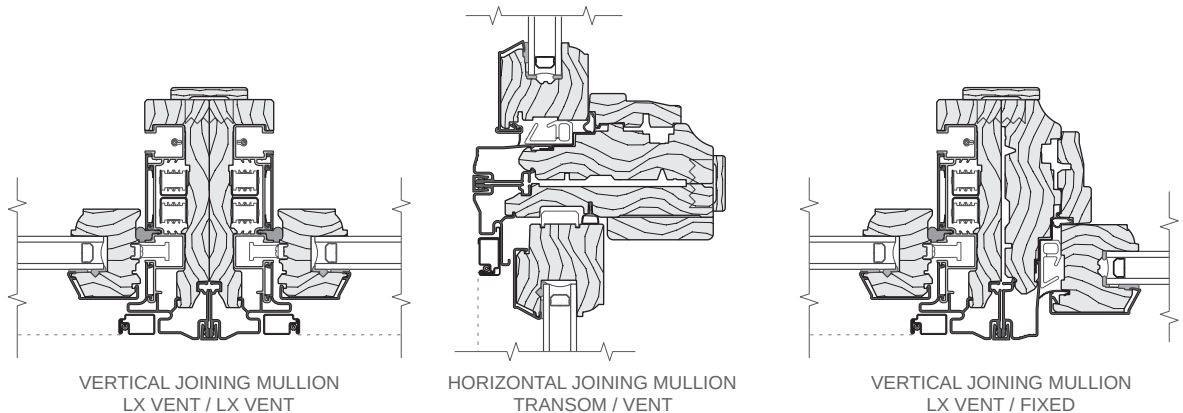


# Pella® Reserve™ Traditional Hung Window

## Unit Sections - Aluminum-Clad Putty Glaze Exterior Profile



### Typical Joining Mullions



Scale 3" = 1' 0"

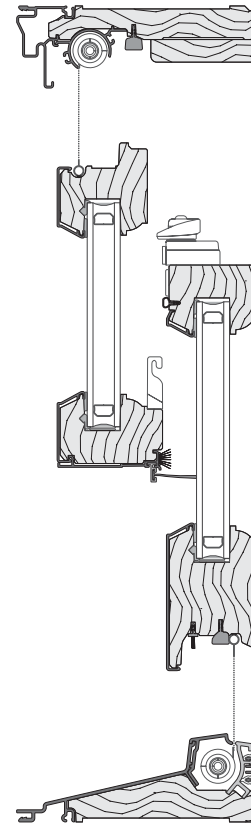
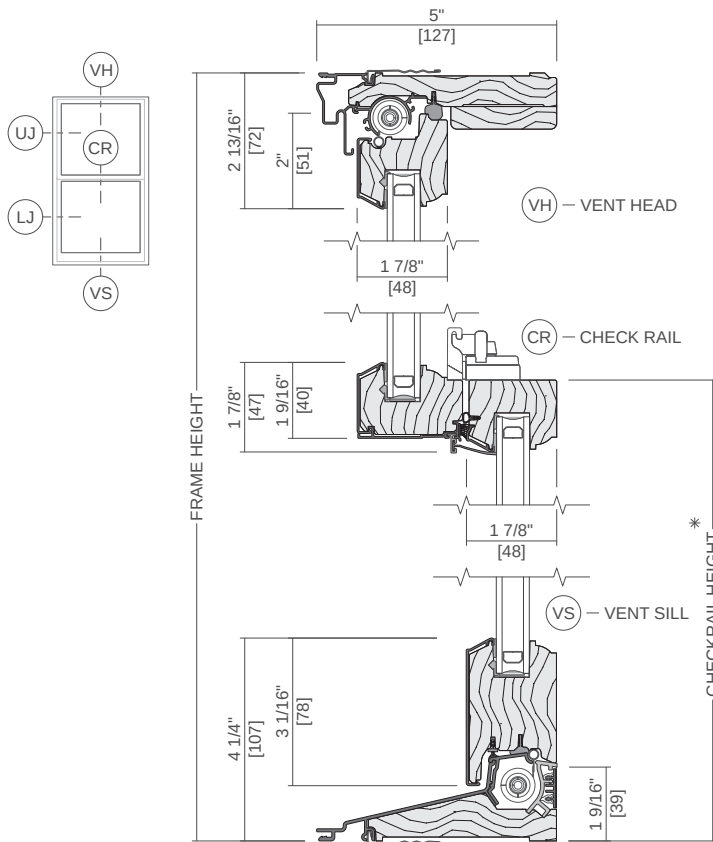
All dimensions are approximate.

See supporting document Combination Recommendations, for mullion limitations and reinforcing requirements.

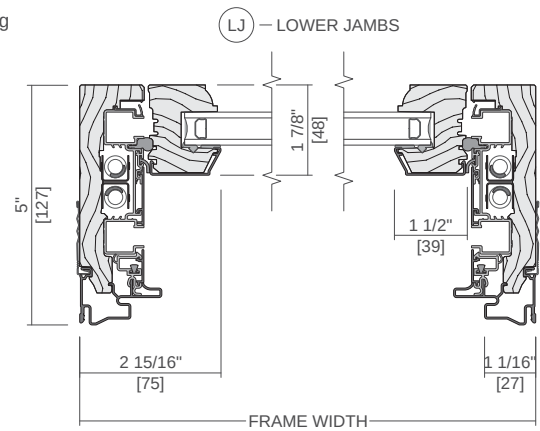
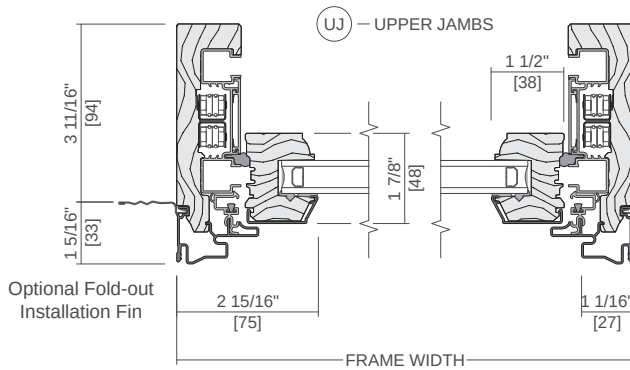


# Pella® Reserve™ Traditional Hung Window

## Unit Sections - Aluminum-Clad Putty Glaze Exterior Profile with Integrated Rolscreen®



\* Dimension required for ordering units with unequal sash.



Scale 3" = 1' 0"

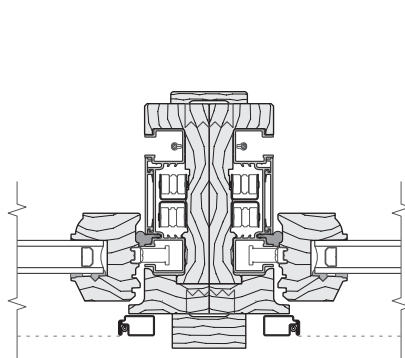
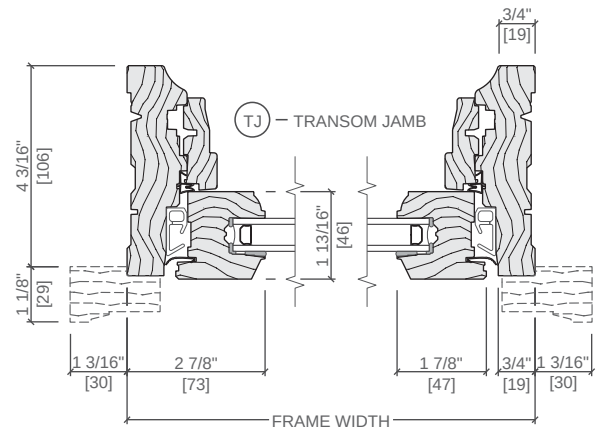
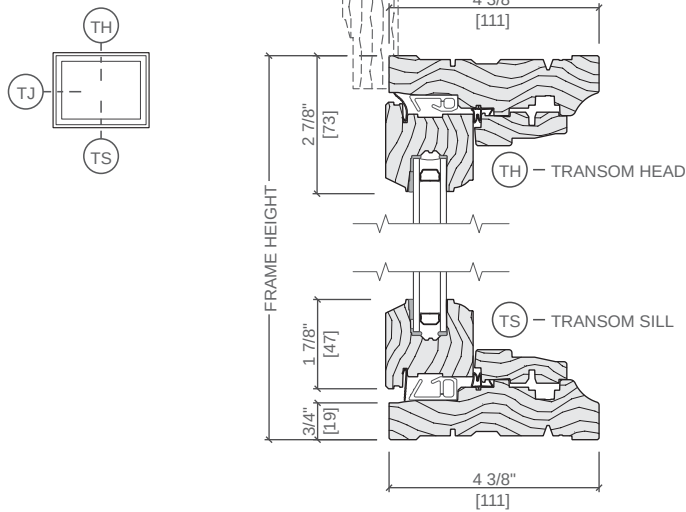
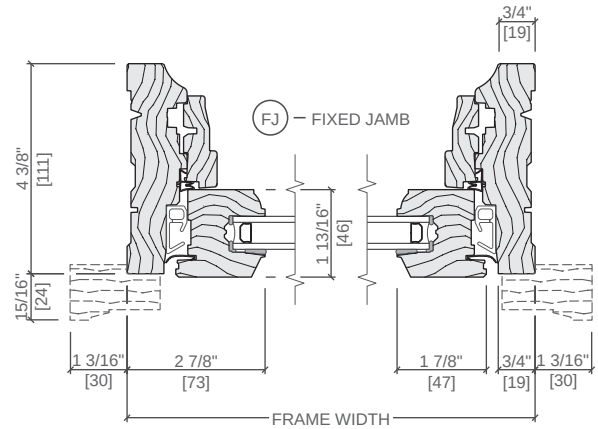
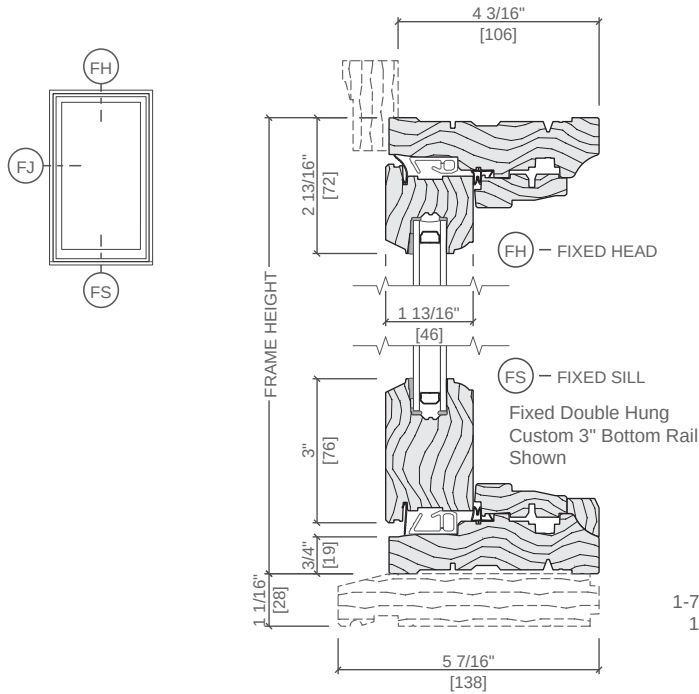
All dimensions are approximate.



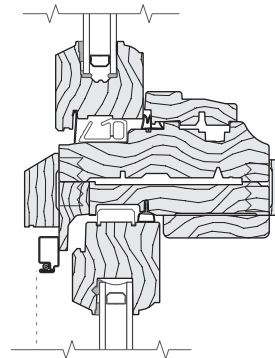


# Pella® Reserve™ Traditional Hung Window

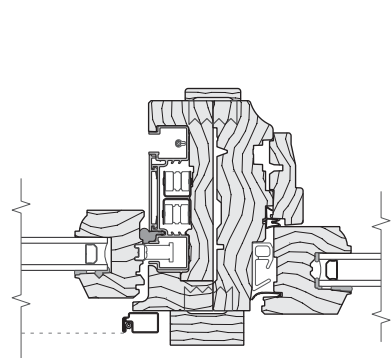
## Unit Sections - Wood Exterior Putty Glaze Exterior Profile



VERTICAL JOINING MULLION  
LX VENT / LX VENT



HORIZONTAL JOINING MULLION  
TRANSOM / VENT



VERTICAL JOINING MULLION  
LX VENT / FIXED

Scale 3" = 1' 0"

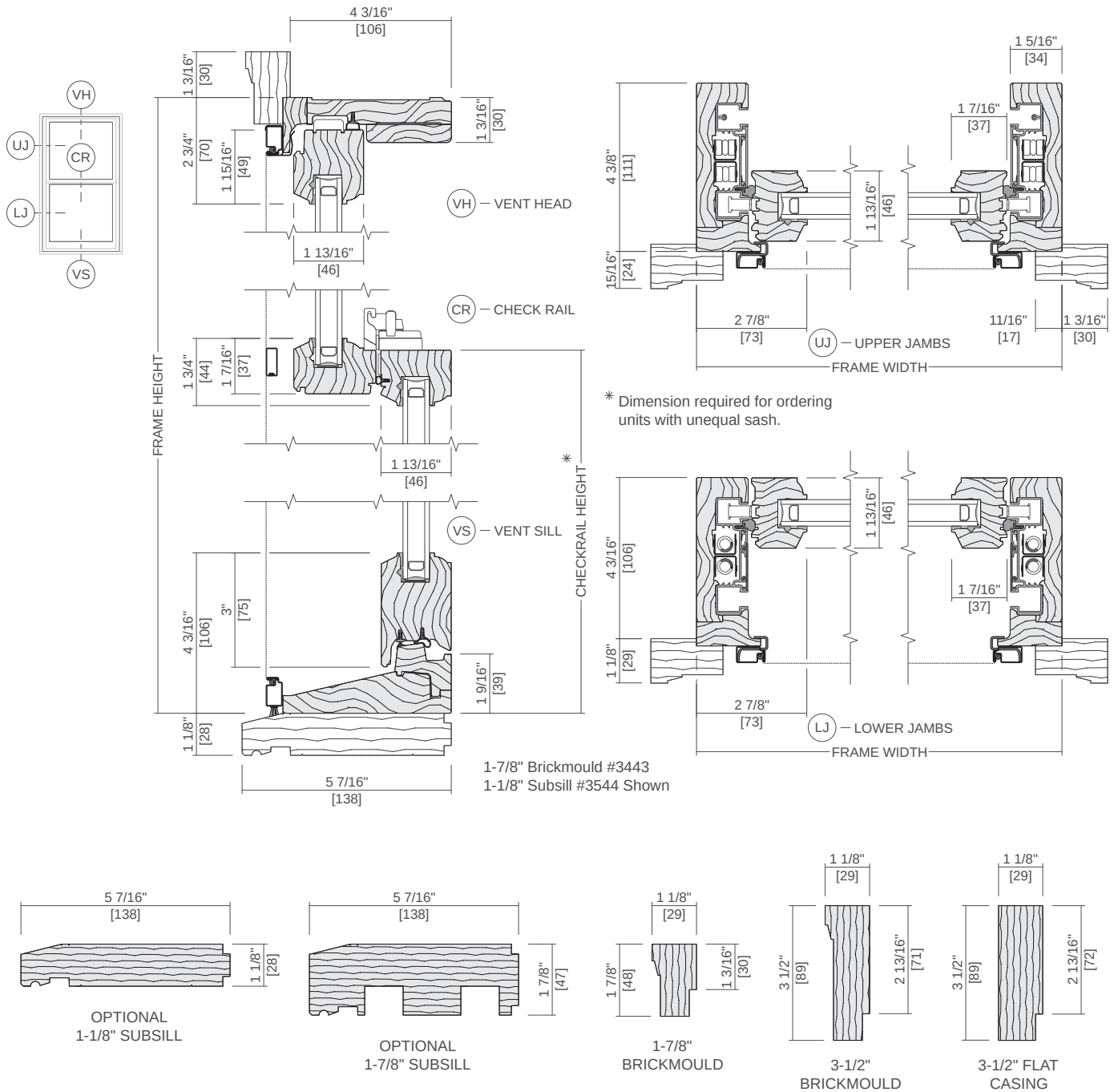
All dimensions are approximate.

See supporting document Combination Recommendations, for mullion limitations and reinforcing requirements.



# Pella® Reserve™ Traditional Hung Window

## Unit Sections - Wood Exterior Putty Glaze Exterior Profile



Scale 3" = 1' 0"

All dimensions are approximate.



# Pella® Reserve™

## Traditional Wood & Clad/Wood



Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior



Double-Hung Exterior



- **Easy-to-learn Pella Steady Set® interior installation system**

Pella Steady Set Interior Installation System is a revolutionary, award-winning and safer way to install new construction windows.<sup>1</sup> The simple system is the fastest, most labor efficient wood window installation system with uncompromising quality.<sup>2</sup> Available on select windows.

- **Historical Details**

Our most historically authentic line of wood windows and patio doors. Featuring through-stile construction, deliberate proportions and intricate profiles. Pella Reserve – Traditional products are the ideal choice for historical renovations and traditional building projects.

- **Authentic hardware**

Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic traditional style.

- **Architectural interest**

Pella's Integral Light Technology® grille helps capture the look of true-divided-light without sacrificing energy performance. Further your aesthetic with the putty profile, recreated with historically accurate angles to provide meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.

- **Virtually unlimited customization**

If you can dream it, we can build it with our most customizable product line. From extra tall to extra wide, Pella can craft unique windows that complement your aesthetic. Custom sizes, grille patterns and designs, finishes, wood types and glass options are available.

- **Tailor-made solutions**

From preliminary drawings to installation, Pella's expert team of architects, engineers, drafters and consultants can work to deliver custom window and door solutions for your project. Partner with Pella to achieve your unique vision without concessions.

- **Intentional innovation**

The award-winning Integrated Rolscreen® retractable screen preserves aesthetics and the view. It is a double- and single-hung screen that appears when you open the window and rolls away, out of sight, when you close it.

- **Durable interiors and extruded aluminum exteriors**

To help you save time on the jobsite, interior finish options are available in a variety of colors, or primed and ready-to-paint. To complement your exterior aesthetic, choose from our carefully curated color palette or define your own custom color for your project.

- **ENERGY STAR® certified<sup>3</sup>**

Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.

- **Testing beyond requirements**

All wood products and testing are not created equal. Pella raises the bar on industry standard testing and beyond to deliver long-lasting products and reduced callbacks. Every Pella wood window and door passes 5, on average, quality checks before it arrives on the jobsite.

- **Best limited lifetime warranty<sup>4</sup>**

Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.<sup>4</sup>

Available in these window and patio door styles:



Special shape windows also available.

<sup>1,2,3,4</sup> See back cover for disclosures.

Product Specifications

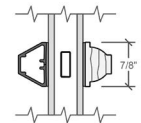
| Window & Patio Door Styles           | Min. Width | Min. Height | Max. Width | Max. Height | Performance Class & Grade | Performance Values |           |           | Frame / Install                                                                                  |
|--------------------------------------|------------|-------------|------------|-------------|---------------------------|--------------------|-----------|-----------|--------------------------------------------------------------------------------------------------|
|                                      |            |             |            |             |                           | U-Factor           | SHGC      | STC       |                                                                                                  |
| Awning                               | 13-¾"      | 13-¾"       | 59"        | 59"         | LC30 – CW50               | 0.25-0.29          | 0.18-0.47 | 27-35     | Pella Steady Set <sup>®</sup> ; Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould |
| Casement                             | 13-¾"      | 13-¾"       | 47"        | 108"        | R35-CW50                  | 0.25-0.29          | 0.18-0.47 | 27-34     |                                                                                                  |
| Fixed Casement                       | 10"        | 10"         | 144"       | 144"        | R35-CW50                  | 0.25-0.29          | 0.18-0.47 | 27-35     |                                                                                                  |
| Double-Hung                          | 14"        | 24-3/8"     | 48"        | 96"         | CW30-CW50                 | 0.25-0.30          | 0.19-0.53 | 28-35     |                                                                                                  |
| Precision Fit Double-Hung            | 13-½"      | 23-¾"       | 48"        | 84"         | CW40-CW50                 | 0.25-0.31          | 0.19-0.53 | 26-30     | Pocket Replacement                                                                               |
| Monumental Hung                      | 13-¾"      | 24"         | 72"        | 144"        | LC25-CW50                 | 0.25-0.30          | 0.17-0.47 | 29-34     | Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould                                 |
| In-Swing Hinged Patio Door (Single)  | 18"        | 36"         | 48"        | 119-½"      | LC40-LC55                 | 0.25-0.29          | 0.14-0.40 | 31-35     |                                                                                                  |
| In-Swing Hinged Patio Door (Double)  | 36"        | 36"         | 96"        | 119-½"      | LC40-LC55                 | 0.25-0.29          | 0.14-0.40 | 31-35     |                                                                                                  |
| Out-Swing Hinged Patio Door (Single) | 18"        | 36"         | 48"        | 119-½"      | R50-LC70                  | 0.25-0.30          | 0.14-0.39 | 30-36     |                                                                                                  |
| Out-Swing Hinged Patio Door (Double) | 36"        | 36"         | 96"        | 119-½"      | R50-LC70                  | 0.25-0.30          | 0.14-0.39 | 30-36     |                                                                                                  |
| Sliding Patio Door (OX, XO)          | 60"        | 74"         | 120"       | 120"        | R20-LC50                  | 0.26-0.31          | 0.20-0.51 | 0.28-0.33 |                                                                                                  |
| Sliding Patio Door (OXO)             | 90"        | 74"         | 180"       | 120"        | R20-LC35                  | 0.26-0.31          | 0.20-0.51 | —         | For more info visit PellaADM.com                                                                 |
| Sliding Patio Door (OXXO)            | 117"       | 74"         | 237"       | 120"        | R20-LC35                  | 0.26-0.31          | 0.20-0.51 | —         |                                                                                                  |
| Multi-Slide Patio Door               | 40-¼"      | 50-½"       | 701-5/8"   | 119-½"      | R15-LC25 <sup>3</sup>     | 0.30-0.36          | 0.15-0.46 | 31        |                                                                                                  |
| Bifold Patio Door                    | 31-¾"      | 55-½"       | 312"       | 119-½"      | R15-LC25 <sup>3</sup>     | 0.26-0.44          | 0.13-0.45 | —         |                                                                                                  |

Window sizes available in 1/8" increments  
Special sizes available. For more information regarding performance, visit [pella.com/performance](#). For more information regarding frame and installation types, visit [PellaADM.com](#).

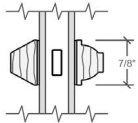
Grilles

Integral Light Technology<sup>®</sup>

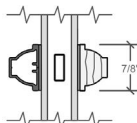
Choose the look of true divided light without sacrificing energy performance.



Putty Glaze Exterior with Ogee Interior<sup>4</sup>  
7/8", 1-1/4" or 2"



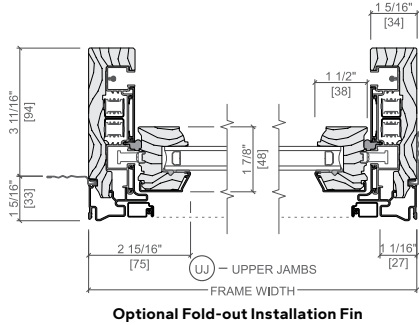
Putty Glaze Exterior with Ogee Interior<sup>4</sup>  
7/8", 1-1/4" or 2"



Ogee Exterior with Ogee Interior<sup>4</sup>  
7/8", 1-1/4" or 2"

Cross Sections

Cross Sections



The double-hung cross sections provide visual reference to the historic putty exterior profile and traditional, beveled Ogee interior that add architectural interest to your project.

<sup>3, 4</sup> See back cover for disclosures.

Window Hardware

Classic Collection

Get a timeless look with authentic styles in classic finishes.



Fold-away Crank  
Antiek



Spoon-Style Lock

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze



Satin Nickel



Satin Brass

Rustic Collection

Create a distinct and charming look with distressed finishes.



Fold-away Crank  
Antiek



Spoon-Style Lock

Finishes:



Distressed Bronze



Distressed Nickel

Essential Collection

Select from popular designs and finishes to suit every style.



Fold-away Crank



Cam-Action Lock

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze



Satin Nickel



Satin Brass

Patio Door Hardware

Classic Collection

Choose timeless pieces, created in collaboration with Baldwin<sup>®</sup> Hardware, for a look that will never go out of style.

BALDWIN<sup>®</sup>



Hinged & Bifold Patio Door Handle  
Virago

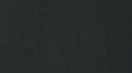


Sliding & Multi-Slide Patio Door Handle  
Ambrose



Multi-Slide Patio Door Handle<sup>5, 6</sup>

Finishes:



Matte Black



Oil-Rubbed Bronze



Satin Nickel



Satin Brass

Essential Collection

Elevate your style and transform a home with elegant selections.



Hinged & Bifold Patio Door Handle  
Standard

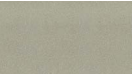


Sliding Patio Door Handle  
Standard



Multi-Slide Patio Door Handle<sup>5, 6</sup>

Finishes:



Champagne



White



Brown



Matte Black



Oil-Rubbed Bronze



Satin Nickel



Satin Brass

Additional hardware collections available. Visit [PellaADM.com](#) for more information.

<sup>5, 6</sup> See back cover for disclosures.



Colors

Wood Types

Choose the wood species that best complements your project's interior.

Custom solutions:



Pine



Douglas Fir



Mahogany



White Oak



Red Oak



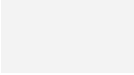
Cherry



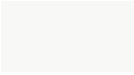
Maple

Prefinished Pine Interior Colors

Custom interior finishes, unfinished or primed and ready-to-paint are also available.



White



Bright White



Linen White



Natural



Golden Oak



Early American



Provincial



Dark Mahogany



Charcoal



Black

Extruded Aluminum-Clad Exterior Colors

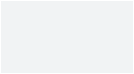
Our low-maintenance EnduraClad® exterior finish resists fading. Take durability one step further with EnduraClad Plus which also resists chalking and corrosion.<sup>7</sup>



Custom colors are also available.



Black



White



Brown



Fossil



Iron Ore



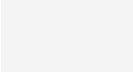
Portobello



Putty



Almond



Classic White



Brick Red



Hartford Green



Pearl Gray



Soft Linen



Satin Steel



Matte Gray



Wolf Gray



Spice Red



Sage



Frost Blue



Blue Ash

Screens

Rolscreen®

Rolscreen soft-closing retractable screens roll out of sight when not in use. Available on casement windows.

Integrated Rolscreen®

A concealed retractable screen that moves seamlessly with the sash of a single- or double-hung window – appearing when you open the window and rolling out of sight when you close it.

TuffScreen® by Phifer®

The TuffScreen® is 2.5x stronger than a standard screen.<sup>8</sup> It is tear, puncture and damage resistant, standing up to pets, children and harsh weather. Available on sliding patio doors.

<sup>7</sup> EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.

Flat

InView™ screens are clearer than conventional screens and come standard.



**The Best Limited Lifetime Warranty in the Industry**  
We know your reputation matters and you stake your reputation on quality, dependable products. That's why we have the best limited lifetime warranty in the industry for wood windows and patio doors.<sup>2</sup>

<sup>1</sup> Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to [energystar.gc.ca](http://energystar.gc.ca).

<sup>2</sup> Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranty for details, including exceptions and limitations, at [pella.com/warranty](http://pella.com/warranty) or contact Pella Customer Service.

<sup>3</sup> Ratings are contingent on product configurations.

<sup>4</sup> Color-matched to your product's interior and exterior color. Offering may vary by product type. See Pella sales representative for details.

<sup>5</sup> Flush multi-slide handle is a Pella exclusive design.

<sup>6</sup> Flush multi-slide handle is not available in Champagne.

<sup>7</sup> EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.

<sup>8</sup> Based on the composite results of a 5-panel strength analysis comparing TuffScreen and standard screening.



906 STUDIO, PLLC  
249 4TH AVENUE N  
SUITE 200  
FRANKLIN, TN 37064  
615.988.9065  
906studio.com

## EVOLVE STUDIOS TRINITY ACT - PROPOSED ADDITION

234 FOURTH AVENUE NORTH  
FRANKLIN, TN 37064

6.15.2026



234 4TH AVE. NORTH  
PROPOSED ADDITION

EXISTING SITE PLAN  
EVOLVE STUDIOS



1

EXISTING SITE PLAN

1" = 30'-0"

0' 15' 30' 60'





234 4TH AVE. NORTH  
PROPOSED ADDITION

PROPOSED SITE PLAN  
EVOLVE STUDIOS



SITE DATA

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| ZONING:                           | OFFICE RESIDENTIAL                                 |
| AREA:                             | 0.463 AC (20,182 SF)                               |
| TOTAL PROPOSED AREA (OFFICE USE): | 1,337 (EXIST.) + 955 (PROPOSED) = 2,292 SF (TOTAL) |
| PARKING:                          |                                                    |
| REQUIRED:                         | 9.2 REQUIRED                                       |
| PROVIDED:                         | 11                                                 |
| TREE CANOPY:                      |                                                    |
| EXISTING:                         | 7,883 SF (39% OF SITE)                             |
| REQUIRED RETENTION:               | 3,784 SF (48% OF EXISTING)                         |
| PROVIDED RETENTION:               | 6,283 SF (80% OF EXISTING)                         |

|                                                                             |             |
|-----------------------------------------------------------------------------|-------------|
| HISTORIC BUILDING                                                           | 1,337.00 SF |
| PROPOSED ADDITION                                                           | 955.12 SF   |
| ADDITION PERCENTAGE = 71%                                                   |             |
| Proposed Addition Footprint is more than 50% of historic Building Footprint |             |

NOTE: OWNER UNDERSTANDS THIS PROPOSAL EXCEEDS GUIDELINES, BUT A LARGER ADDITION COULD BE APPROPRIATE HERE AS ANY FUTURE CONSTRUCTION IS SEVERELY LIMITED. ACCESSORY STRUCTURE (625 SF) IS PROPOSED TO BE DEMOLISHED AND IT IS UNLIKELY THAT AN ACCESSORY STRUCTURE WOULD BE BUILT IN THE FUTURE DUE TO FLOOD PLAIN AND TREE CANOPY REQUIREMENTS & RESTRICTIONS.

|                                |              |
|--------------------------------|--------------|
| LANDSCAPE SURFACE AREA:        |              |
| SITE                           | 20,182.00 SF |
| TOTAL PROPOSED IMPERVIOUS AREA | 9,619.67 SF  |
| LANDSCAPE SURFACE AREA =       | 52.3%        |
| O.R. ZONING MINIMUM =          | 40%          |

1 SITE PLAN  
1" = 30'-0"

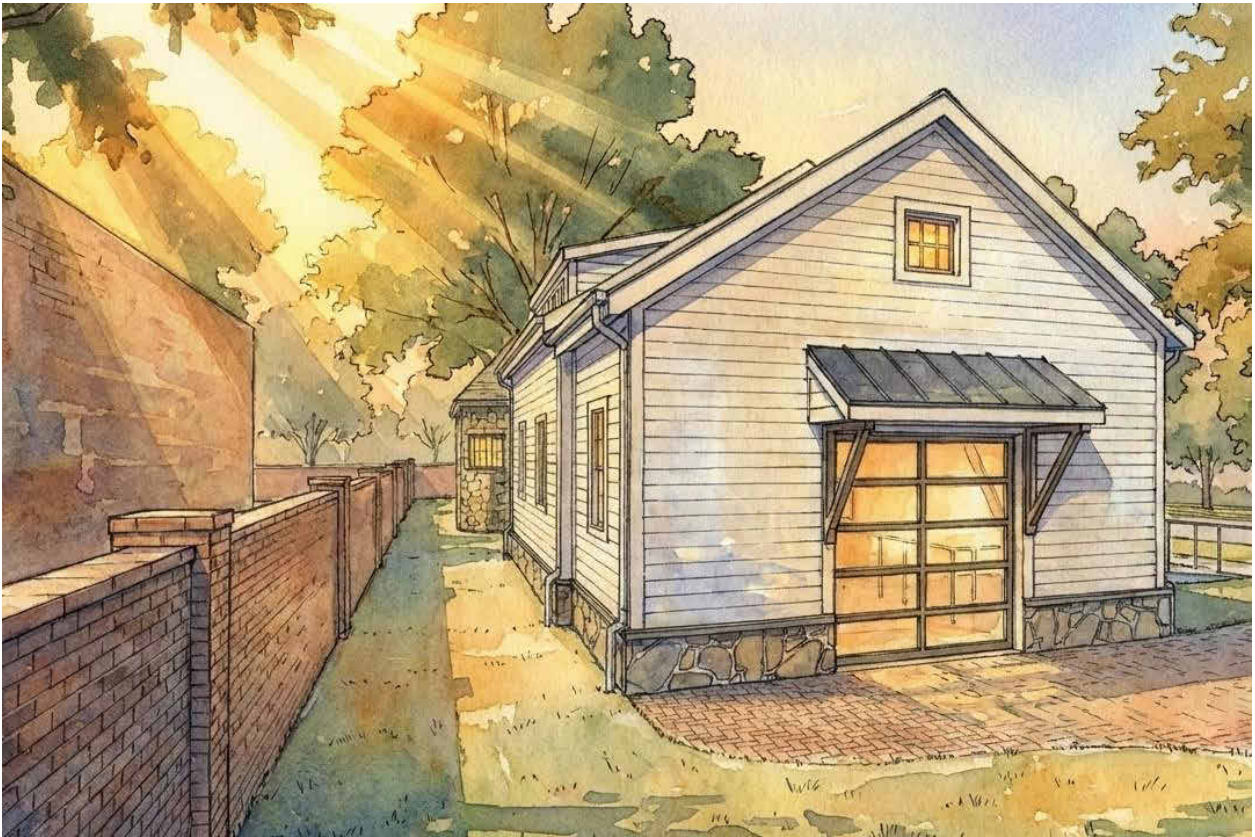






EXISTING CONDITIONS









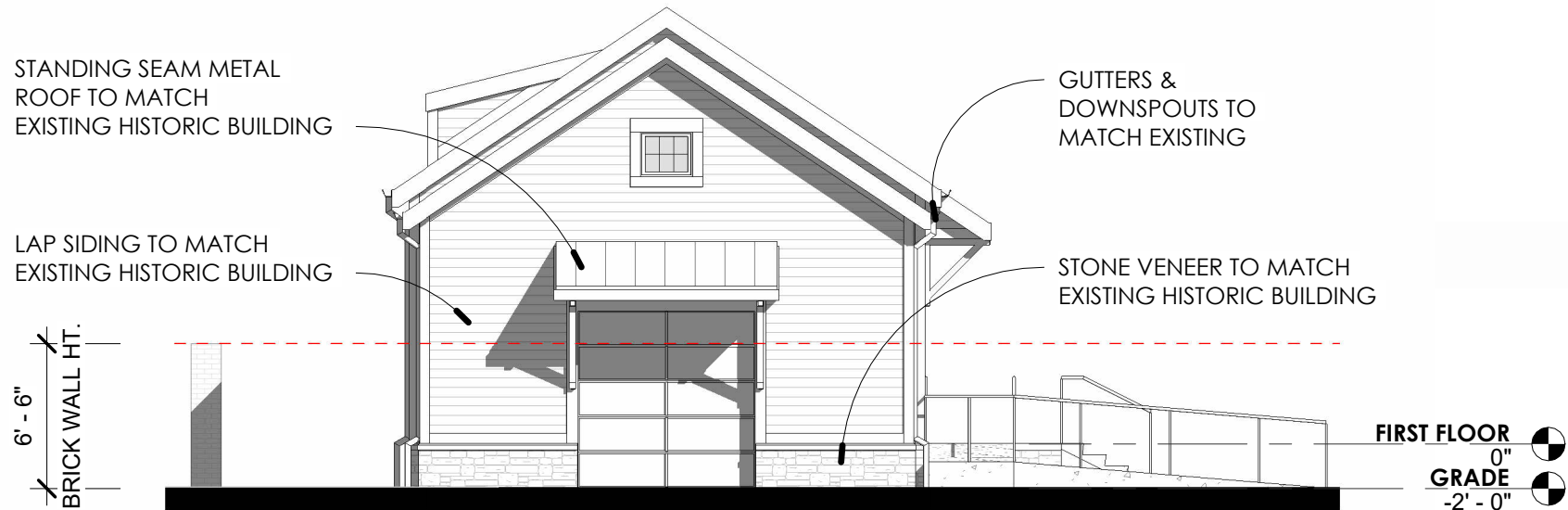
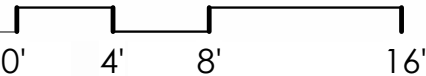


234 4TH AVE. NORTH  
PROPOSED ADDITION

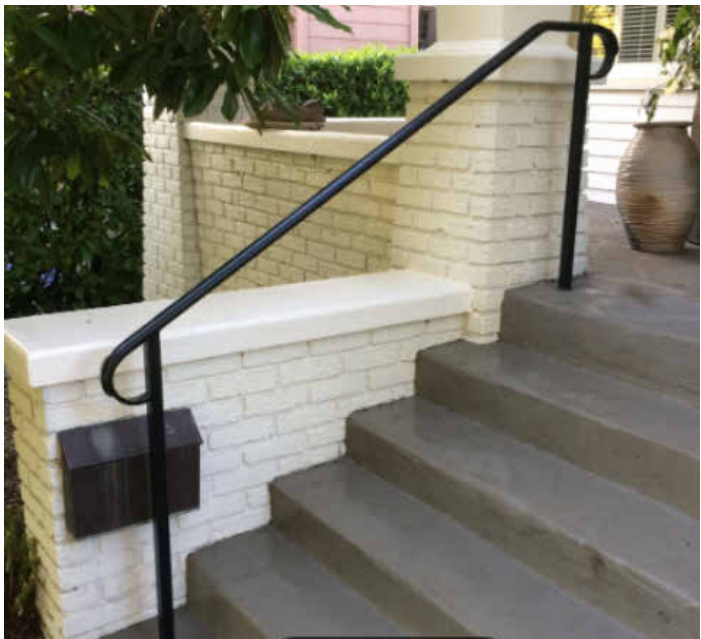
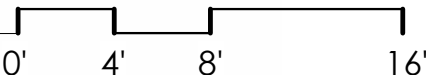
PROPOSED ELEVATIONS  
EVOLVE STUDIOS



1 NORTH ELEVATION  
1/8" = 1'-0"

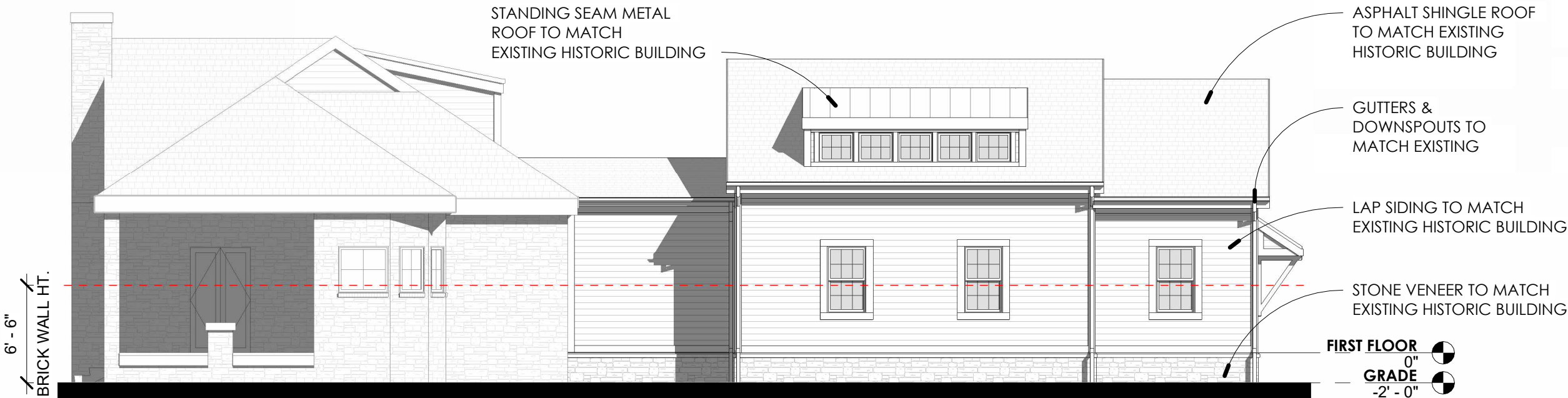


2 EAST ELEVATION  
1/8" = 1'-0"

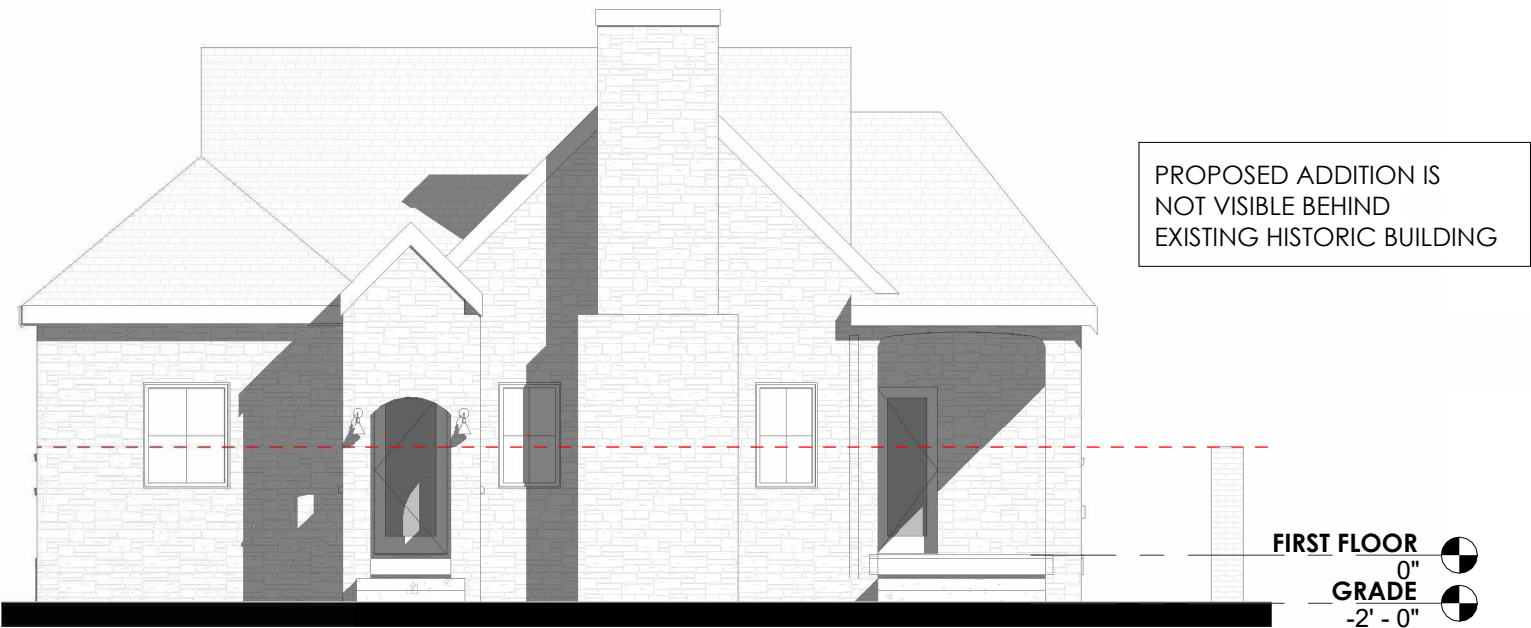
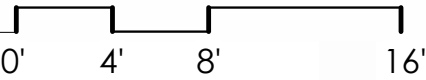


HANDRAIL CHARACTER IMAGE

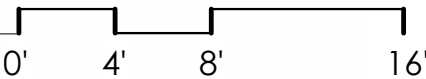




1 SOUTH ELEVATION  
1/8" = 1'-0"



2 4TH AVE ELEVATION  
1/8" = 1'-0"

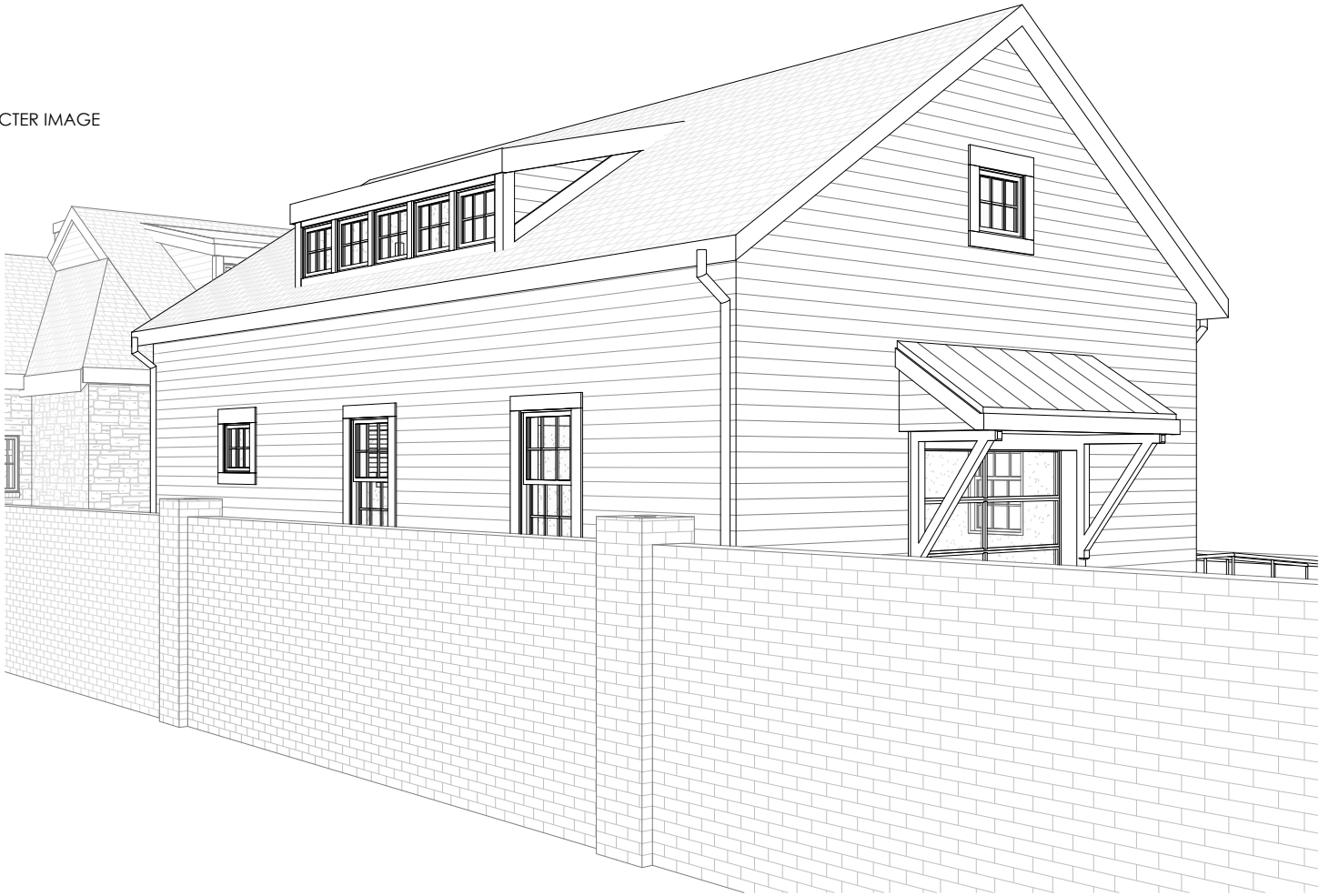




BRACKET CHARACTER IMAGE



1 PROPOSED PERSPECTIVE



2 PROPOSED PERSPECTIVE





BRACKET CHARACTER IMAGE



1 PROPOSED PERSPECTIVE



2 PROPOSED PERSPECTIVE





NORTHWEST STREET VIEW



WEST STREET VIEW



SOUTHWEST STREET VIEW



NORTHWEST STREET PHOTO



WEST STREET PHOTO



SOUTHWEST STREET PHOTO



# 906

## **234 4<sup>th</sup> Ave. Proposed Addition**

6/8/2026

As a means of creating a more effective and functional overall site layout as well as bringing the entirety of the site under current city of Franklin zoning requirements, the owners of 234 4<sup>th</sup> Ave North have proposed an addition to the historic structure there as well as an entirely new parking/paving layout. The proposal involves the demolition of an existing noncontributing accessory structure, which is currently in the flood plain, and instead creating a new addition which would be out of the flood plain. Note that the size of the addition does exceed the historic district design guidelines, but this is anticipating no future accessory structure as it would need to be located in the flood plain which would greatly restrict use. The owner proposes instead to have



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Franklin, Tennessee 37064  
615.988.9065  
[www.906studio.com](http://www.906studio.com)

## **CORNERSTONE PRESBYTERIAN CHURCH**

### **HISTORIC ZONING COMMISSION - DRC SUBMITTAL**

132 3rd Avenue N,  
Franklin, TN 37064

JUNE 8, 2026



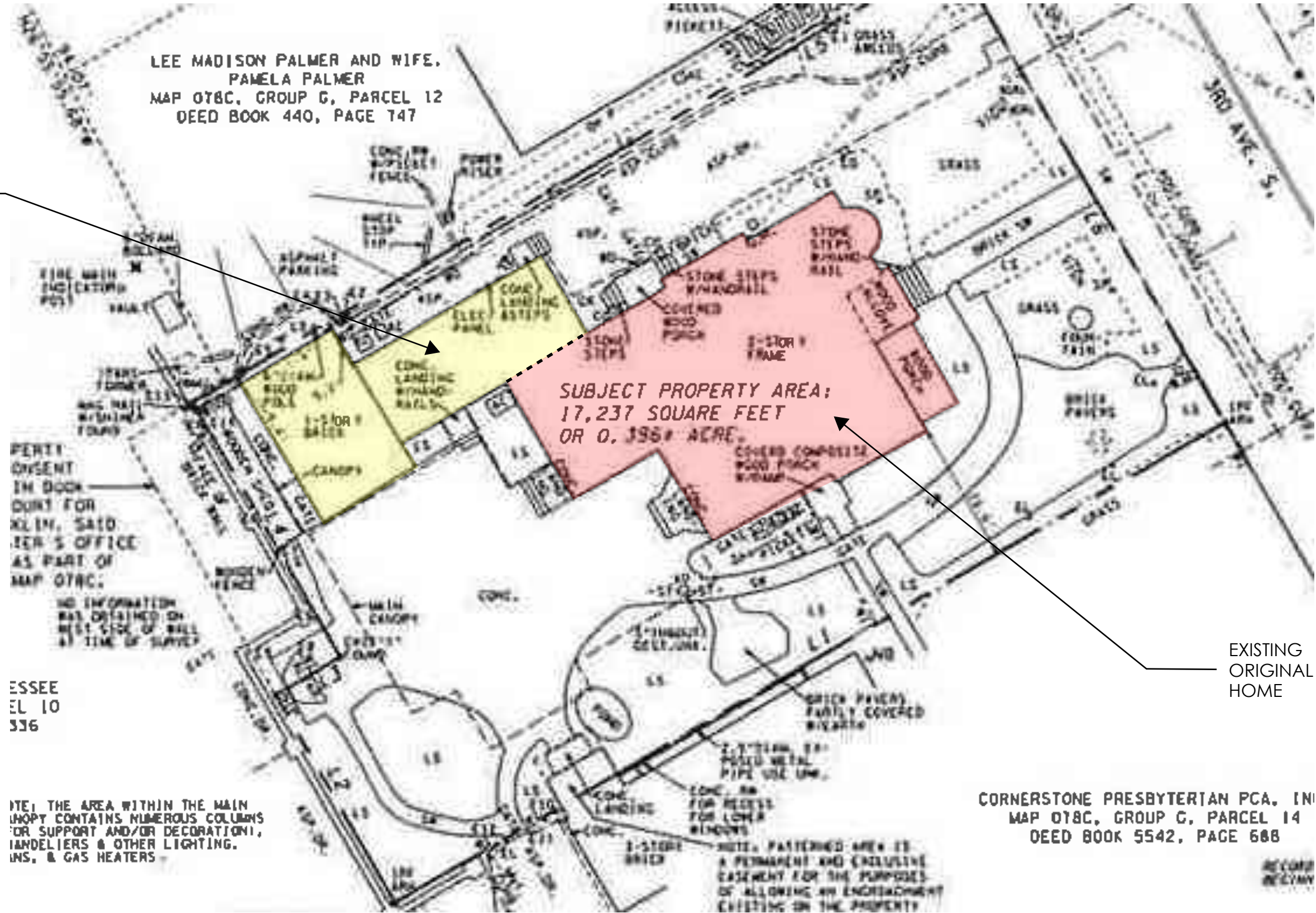
CORNERSTONE  
PRESBYTERIAN  
CHURCH ADDITION

EXISTING AREA PLAN  
132 3rd Avenue N, Franklin, TN 37064





NEW  
ADDITION

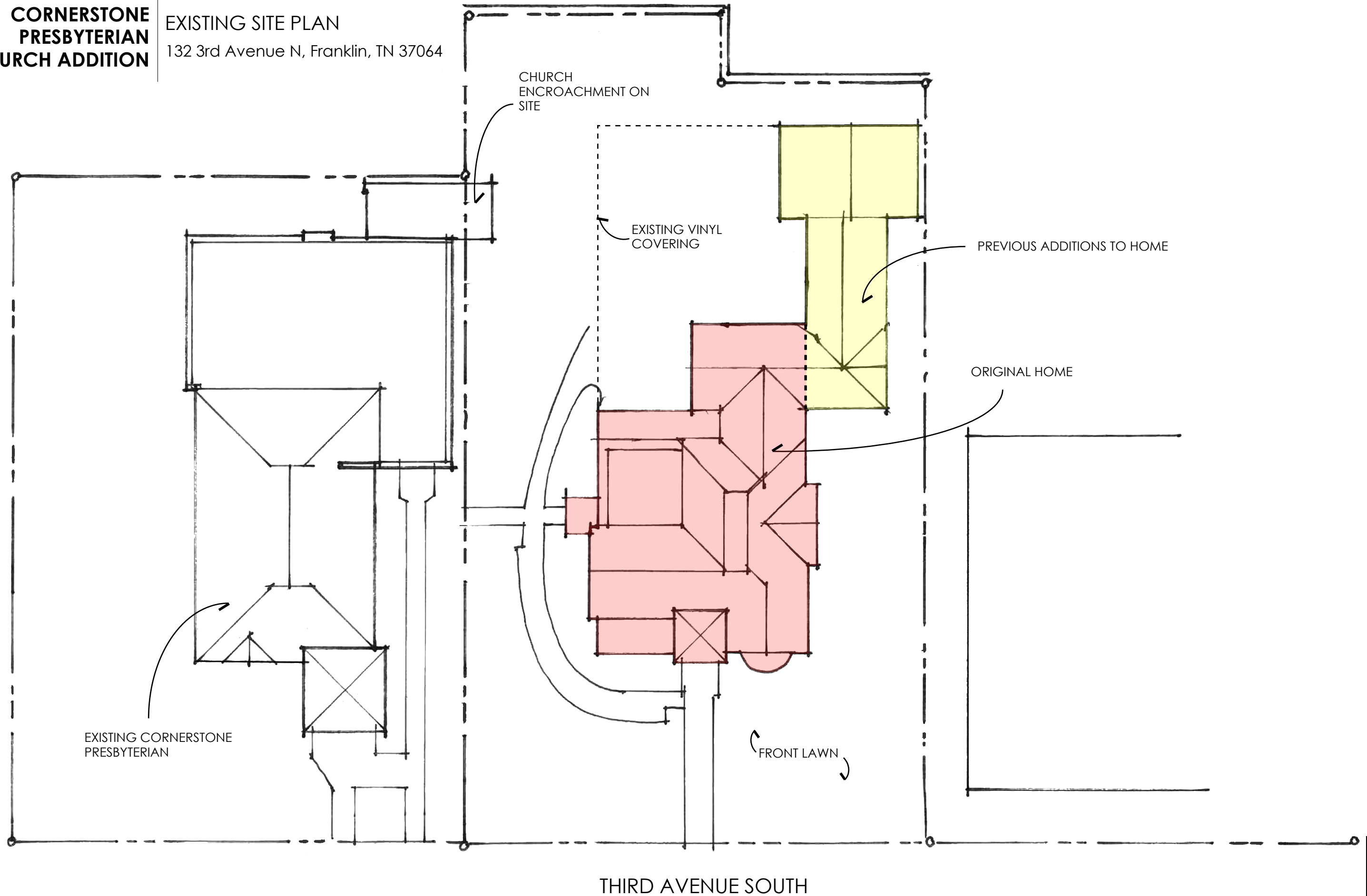




**CORNERSTONE  
PRESBYTERIAN  
CHURCH ADDITION**

**EXISTING SITE PLAN**

132 3rd Avenue N, Franklin, TN 37064





**CORNERSTONE  
PRESBYTERIAN  
CHURCH ADDITION**

EXISTING SITE IMAGES  
132 3rd Avenue N, Franklin, TN 37064

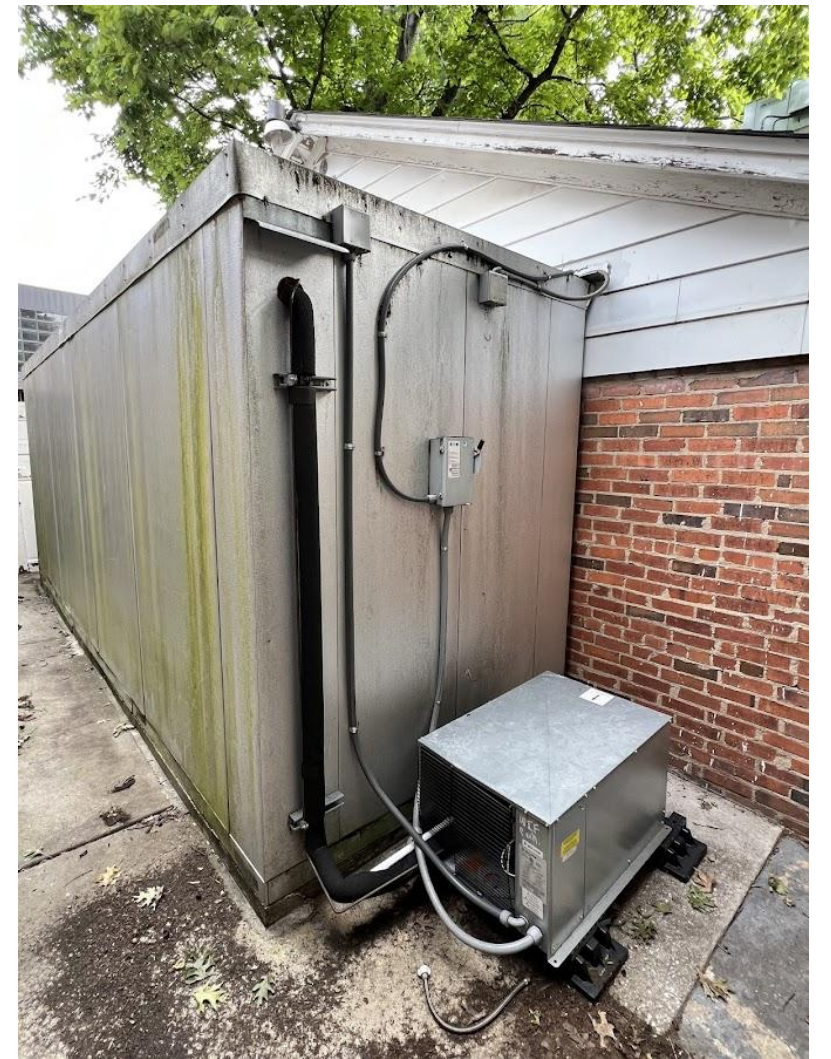
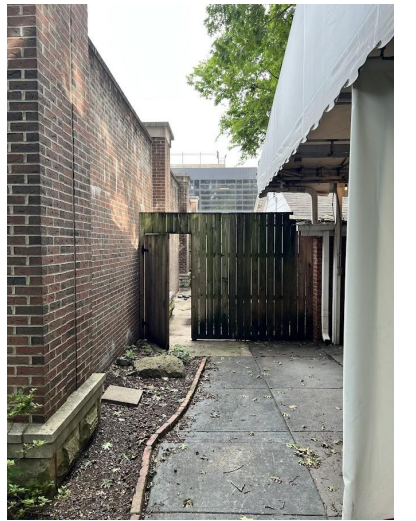
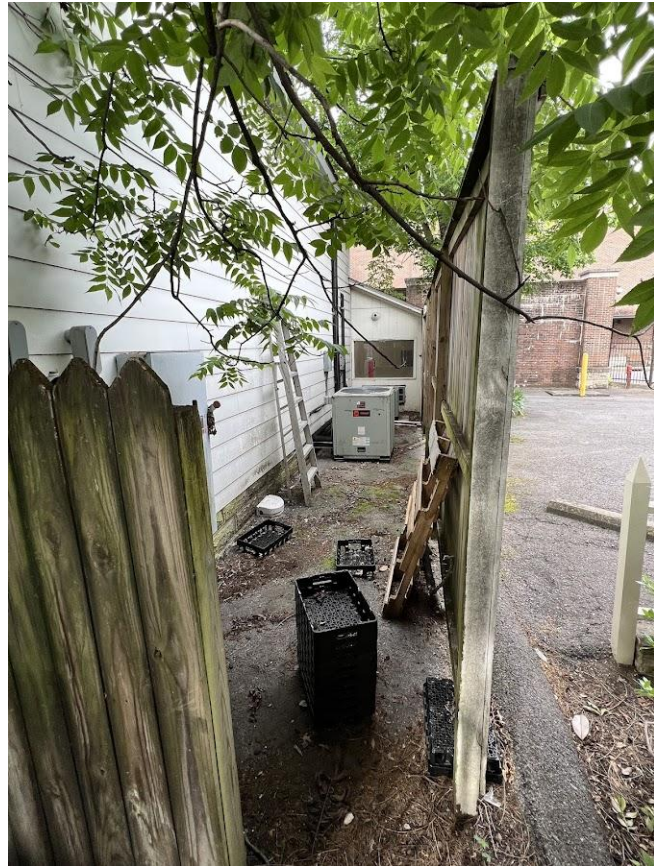




**CORNERSTONE  
PRESBYTERIAN  
CHURCH ADDITION**

**EXISTING SITE IMAGES**

132 3rd Avenue N, Franklin, TN 37064

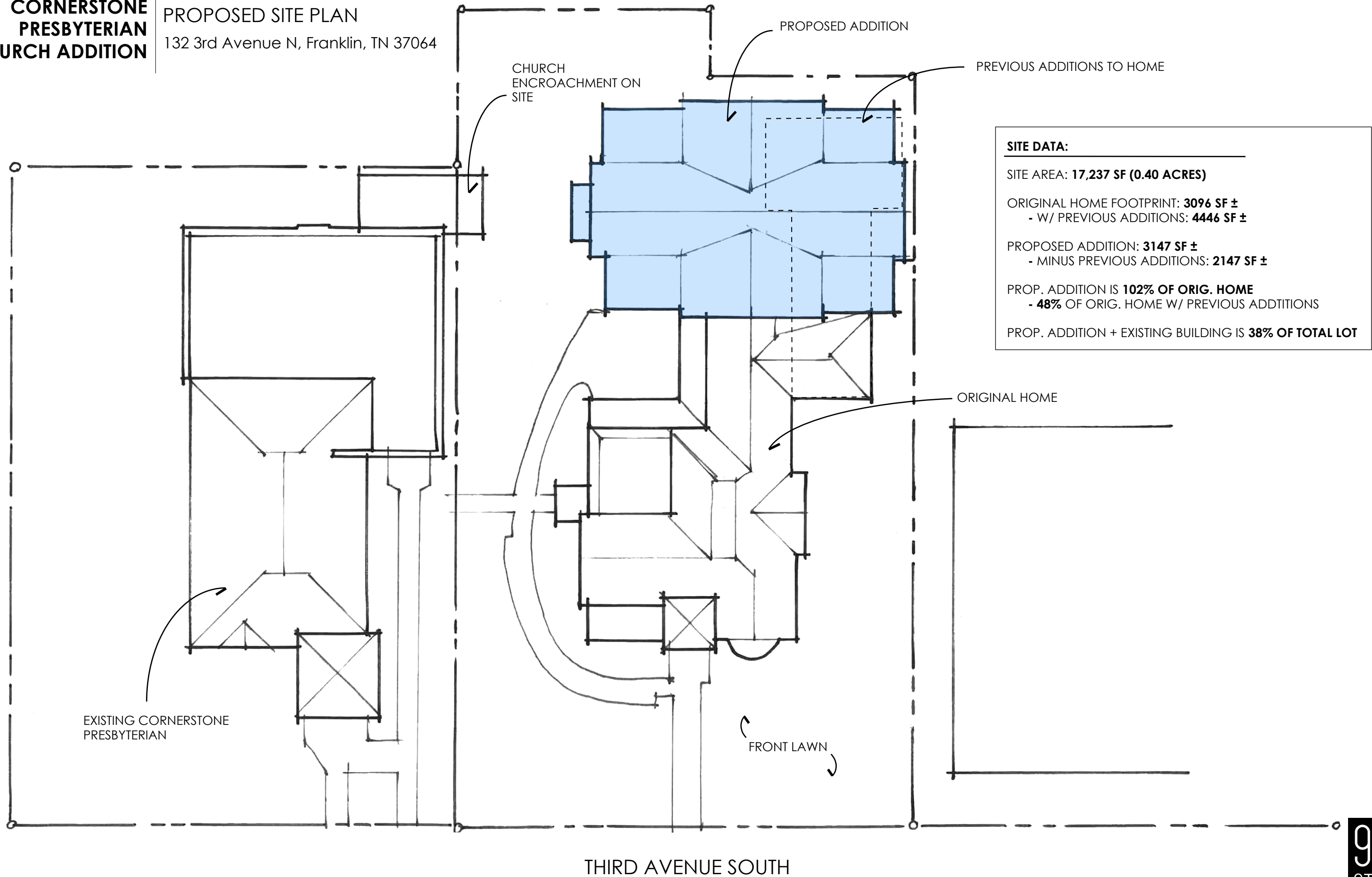




# CORNERSTONE PRESBYTERIAN CHURCH ADDITION

## PROPOSED SITE PLAN

132 3rd Avenue N, Franklin, TN 37064



### SITE DATA:

SITE AREA: **17,237 SF (0.40 ACRES)**

ORIGINAL HOME FOOTPRINT: **3096 SF ±**  
- W/ PREVIOUS ADDITIONS: **4446 SF ±**

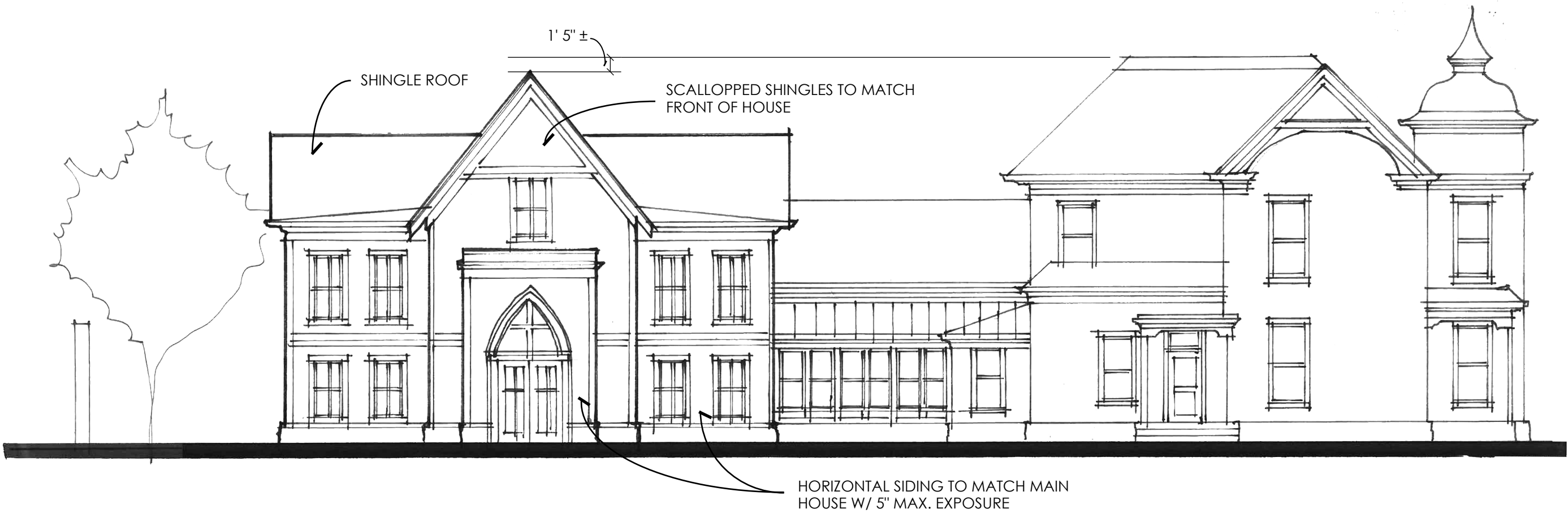
PROPOSED ADDITION: **3147 SF ±**  
- MINUS PREVIOUS ADDITIONS: **2147 SF ±**

PROP. ADDITION IS **102% OF ORIG. HOME**  
- **48% OF ORIG. HOME W/ PREVIOUS ADDITIONS**

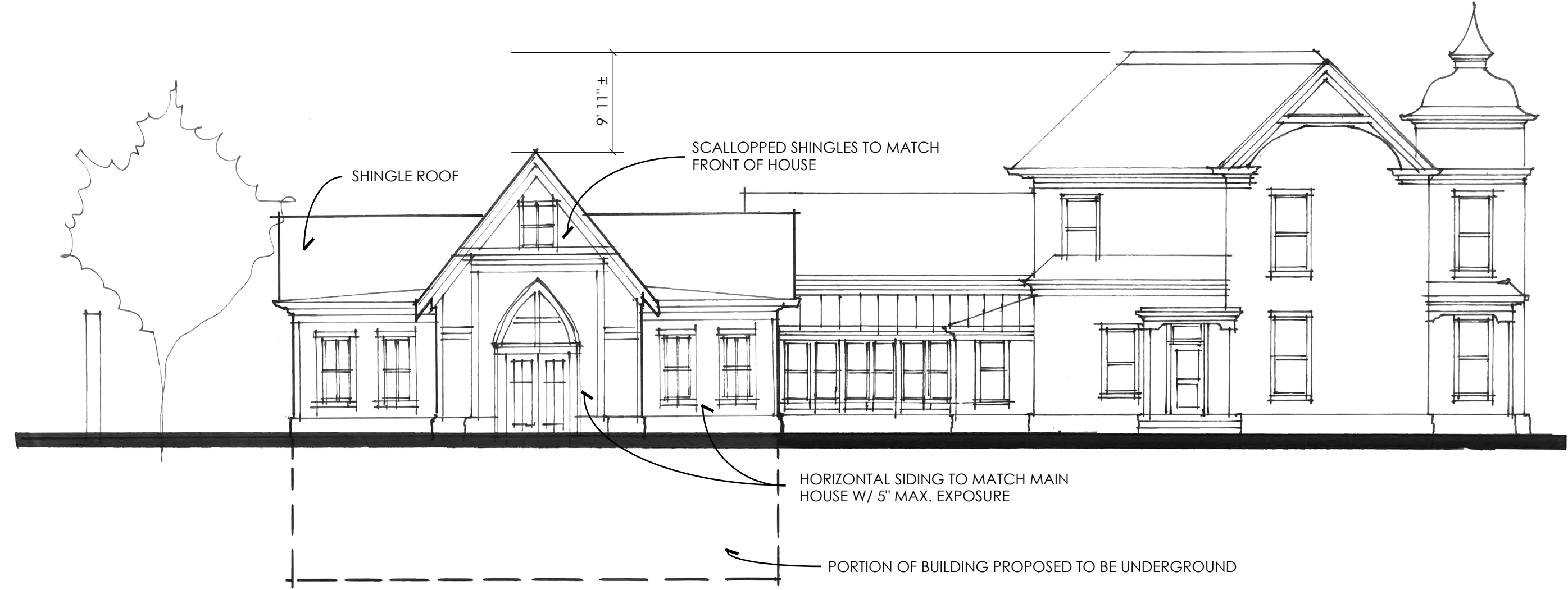
PROP. ADDITION + EXISTING BUILDING IS **38% OF TOTAL LOT**







SOUTH SITE ELEVATION



SOUTH SITE ELEVATION



## Demo of Accessory Structure at 1303 Adams St.: Narrative

Prepared for the Franklin Historic Zoning Commission

906 Studio Architects : June 8, 2026

We are requesting the opportunity to discuss a process to secure a retroactive demolition permit for a small accessory covered structure on the property at 1303 Adams St. in downtown Franklin, TN. Out of a safety concern due to the deterioration of the structure which resulted in exposed sharp edges of old materials at a very low level, David Smith, the owner of the property, had the structure demolished in February of 2026 without securing the appropriate demo COA.

The structure appears to have been built in the 1940s (per the historic register listing for Adams St.). The approximate front half of the structure (facing the street) was open, had no walls and seemed to serve as a car port. The back half of the structure was enclosed and served as a storage shed. The siding was plain wood and the roof metal. It may have possibly had an addition to the rear at some point after the original construction.

There did not appear to have been any architecturally significant elements to the structure (cupola, dormer, large barn door, etc.) that would have given it a presence of significance within the historic neighborhood. Furthermore it was not highly visible from the street as it was set over 160 feet back from the road and was concealed by trees on the left side (looking from the road) and the primary structure (the home) on the right.

### Demolition Considerations

As a means of providing context for the structure's removal, see the below considerations for demolition as outlined in the Historic District Design Guidelines and associated information:

- *Determine the significance of the historic structure. An analysis should be undertaken to determine if the historic structure retains its integrity.*

Unfortunately a full analysis was not performed prior to removal, but the structure was measured and those measurements are provided here. It was a very simple partially open structure which seems to have served as a carport in the past. It was approximately 160 feet off the street, so it was not prominent at all in the streetscape.

- *Consider the impact of removing the historic structure relative to its context.*

The structure was set back approximately 160 feet off the street, so it was not prominent at all in the streetscape and had very little impact to the surrounding context. The overall property appears to have

had 3 total structure: the primary residence, the structure which was demolished, and a pool house (constructed in the 1990s).

- *Consider the condition of the structure in question. Demolition may be more appropriate when a building is deteriorated or in poor condition.*

There were a pair of factors that created a concern with Mr. Swift that ultimately resulted in his decision to remove the structure. First, it was in extremely poor condition. Deterioration over time (essentially all of which took place prior to his purchase of the property in June of 2023) had created safety hazards in the form of sharp edges of the rusted metal roof and wood pieces with exposed nails.

The second factor which created urgency for Mr. Smith was the uncommon low elevation of the structure. The structure was digitally documented within the last 2 years to have a clearance below 6 feet at the front and even lower at the eaves, where the structure was 6 feet and below and lower still at the rear, where the eave dropped to 5'-3". It must be noted that these heights are well below code-required heights for structures of this kind.

This hazard was exacerbated by the proximity of the side of the building to a roughly 12" retaining wall which was adjacent to a pool (originally installed by a previous owner). The retaining wall was close enough to the building that the dangerous eave edges were as low as 4'-3" above grade. As a result the sharp metal roof at the eave was almost exactly at head height for a child.

It must be noted that the owner has an 11 year old daughter who routinely plays in the area with her friends and this presented a constant source of concern for the Owner and his wife.

- *Consider the project proposed to replace the structure proposed for demolition and the future utilization of the site.*

There is no desire to replace the structure with a new structure, which will increase the amount of permeable landscaped area on the overall site. The Owner would prefer this space simply exist as a small lawn (as seen in existing condition photos).

- *Consider that no historic structure shall be demolished for the purpose of providing a surface parking lot, per Zoning Ordinance.*

There is no desire for this space to serve as parking.

- *Determine that the proposed redevelopment is consistent with the guidelines for new buildings and the regulations of the Zoning Ordinance.*

There is no proposed development of this specific area of the site and no desire to add any new structures to the site. The Owner is currently looking to modify the pool house (from the 1990s) as well as make landscape alterations, but fully understands that any work must be approved by the Franklin Historic Zoning Commission. Note that some of this work had been approved previously but due to the desire to make alterations these works have been suspended and will not be re-started until an updated Certificate of Appropriateness has been secured.



## Demolition Criteria

We feel that the removal of the structure could have possibly been deemed appropriate under two of the approval criteria as outlined in the guidelines.

*If a building has lost its architectural and historical integrity and its removal will not adversely affect the district's historic character. Loss of integrity must be substantiated with photographic documentation and a physical description of the property that addresses relevant issues.*

Due to the deterioration over time and the distance back from the street, we do not feel that the demolition of this structure would adversely affect the district's historic character. Unfortunately our documentation is limited, but what is available clearly shows the lack of visibility and impact on the district's character.

*If the structural instability or deterioration of a property is demonstrated through a report by a structural engineer or architect with demonstrated experience working with historic structures. Such a report must clearly detail the property's physical condition, reasons why rehabilitation is not feasible, and cost estimates for rehabilitation versus demolition and construction of a comparable structure. In addition to this report, there should be a separate report that details future action on the site.*

The structure had clearly deteriorated and represented a safety concern but unfortunately a detailed report was not undertaken. Should the Commission find it would be helpful we are happy to provide a cost estimate of what it would have cost to repair the structure. It should be noted that work would have needed to include raising the overall structure to code-compliant height, which would have greatly increased the required scope and cost of any rehabilitation of the structure.



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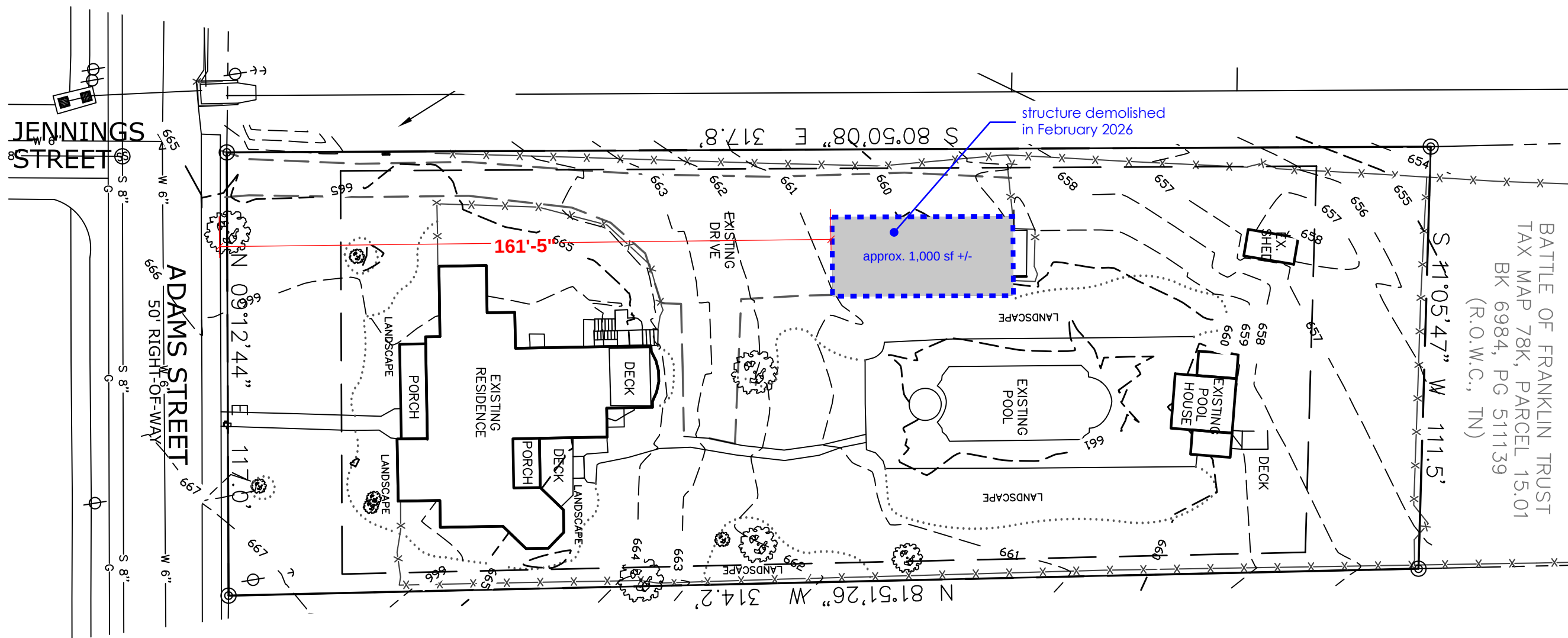
## **DAVID SMITH & FAMILY RESIDENCE**

### PROPSOAL FOR DEMO PERMIT OF ACCESSORY STRUCTURE

1303 ADAMS ST.

JUNE 8, 2026





SCALE: 1" = 30'







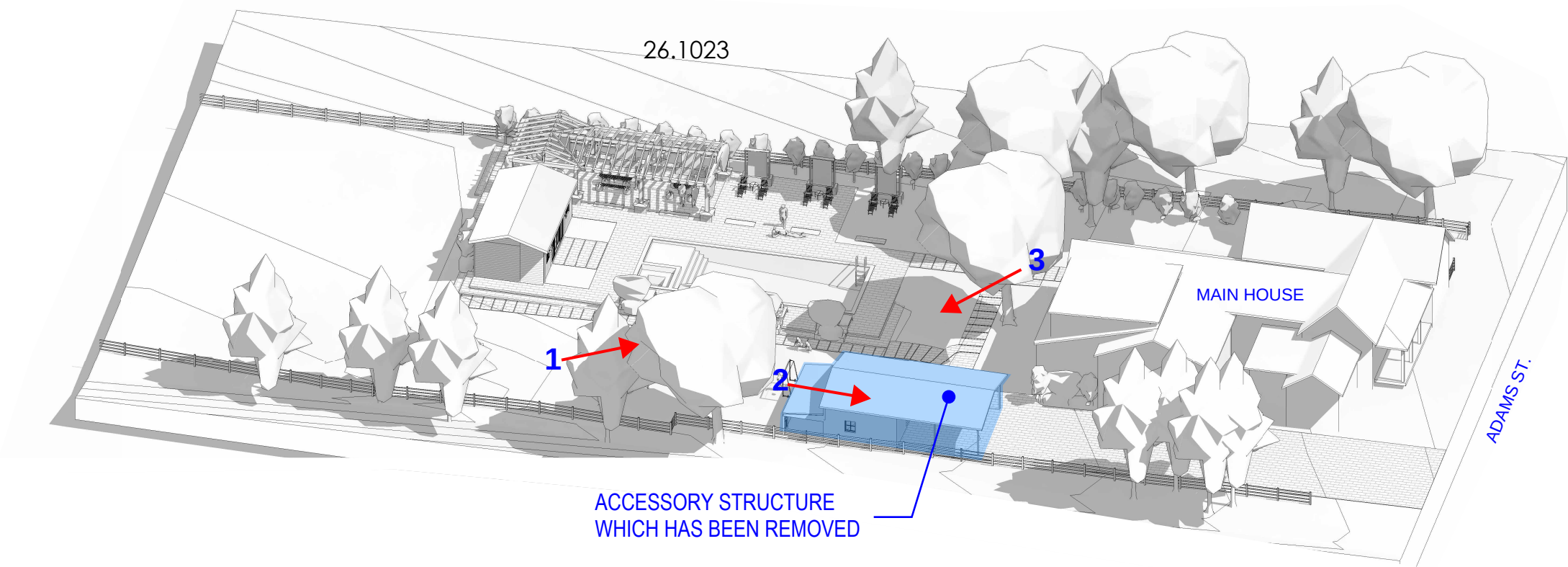
VIEW 1: LOOKING AT ELEVATED POOL



VIEW 2: LOOKING BACK TO MAIN ROAD



VIEW 3: LOOKING BACK AT SITE





IMAGES ARE INTENDED TO SHOW THE LACK OF VISIBILITY OF THE STRUCTURE FROM THE ROAD AND AS SUCH THE LACK OF IMPACT ON THE SURROUNDING CONTEXT



VIEW FROM ROAD APPROACHING SITE FROM NORTH



VIEW OF STRUCTURE FROM ROAD AT THE END OF DRIVE (THIS PICTURE IS APPROXIMATELY 4-5 YEARS OLD)

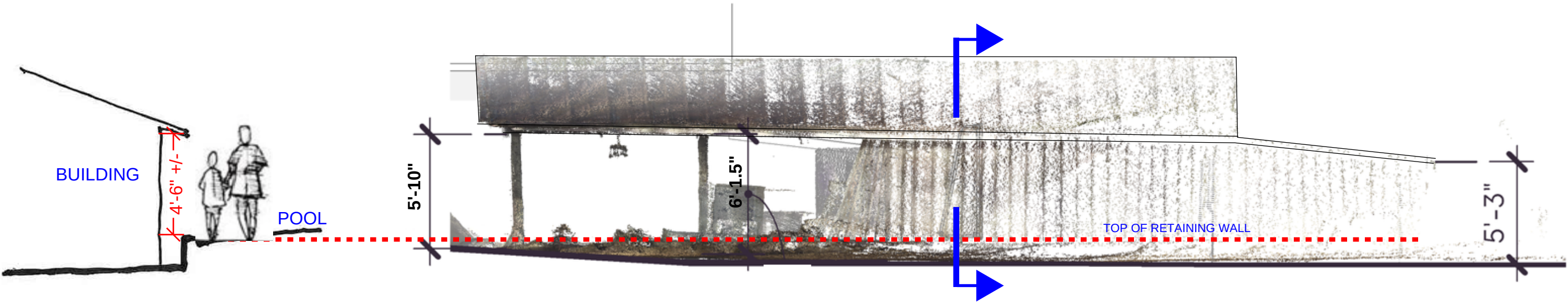


CONTINUING TO DRIVE PAST THE PROPERTY MOVING SOUTH, THE STRUCTURE IS ALREADY NEARLY INVISIBLE



ONCE PAST THE DRIVEWAY THE STRUCTURE CANNOT BE SEEN





SECTION THRU BUILDING & RETAINING WALL

ELEVATION OF STRUCTURE - TAKEN FROM BUILDING SCAN