



**HISTORIC DISTRICT  
REVIEW COMMISSION MEETING  
September 16, 2025**

**5:30 pm  
City Hall, 2<sup>nd</sup> Floor  
City Council Chambers**



**HISTORIC DISTRICT REVIEW COMMISSION**  
**Meeting Agenda**  
**September 16, 2025**  
**5:30 pm Council Chambers**

Roll Call

Linda Armstrong, John Carr, Kathy Chelton, Vern Drottz, Aimee Gray, Matt Grundy, Brett Rinker, Katie Schmidt

- I. Call to Order
- II. Approval of Meeting Summary from the September 2, 2025 HDRC meeting
- III. Current Business
  - HDRC Case # 25-017J Consideration of a Certificate of Appropriateness for an addition at 217 N. Lightburne, Jewell Historic District. A 353 Tax Abatement Project.
  - Election of Vice Chair

Administrative Approvals:

- a. 242 W Franklin like in kind repairs to wood rot and portico railing

Miscellaneous matters from the Commission:

Miscellaneous matters from Staff:

- IV. Adjournment



**HISTORIC DISTRICT REVIEW COMMISSION  
Meeting Agenda  
September 2, 2025  
5:30 pm Council Chambers**

Roll Call

Present: Paemon Aramjoo, John Carr, Kathy Chelton, Aimee Gray, Brett Rinker, Katie Schmidt

Absent: Linda Armstrong, Vern Drottz, Matt Gundy

Applicants Present: Nic Helm, 816 Property Mgmt. 34 S. Jewell and Tom Draper, 460 E. Mill

Vice Chairman Aramjoo called the meeting to order at 5:30 pm

Approval of Meeting Summary from the August 19, 2025 HDRC meeting.

Commissioner Carr made a motion to approve the meeting summary as amended. The motion seconded by Commissioner Chelton. The motion passed 5-0-1. Commissioner Rinker abstained.

Current Business

- HDRC Case # 25-015J Consideration of a Certificate of Appropriateness for replacement windows (replacing non-approved vinyl) at 34 S. Jewell, Jewell Historic District

Ms. Thill read the staff report and recommended approval.

Mr. Helm said they were not aware of the design guidelines prior to removing the original windows.

Commissioner Carr asked if the Andersen 100 windows have been approved in the historic district in the past. Staff confirmed they have been approved. Commissioner Carr said the proposed windows are a good choice and a great improvement over the vinyl windows.

A motion was made by Commissioner Rinker to approve the application as presented because it meets the UDO and Design Guidelines. The motion was seconded by Commissioner Gray. The motion passed 6-0-0.

- HDRC Case# 25-019J Consideration of a Certificate of Appropriateness for exterior alterations to the front porch at 460 E. Mill Street, Jewell Historic District

Ms. Thill read the staff report and recommended approval. Mr. Draper brought examples of the materials and the corbel he is proposing and showed them to the Commission.

He explained the prototype and drawing shows the spacing of the balustrade.

Commissioner Carr said he will recuse himself because he is the neighbor and also did an extensive restoration on the home several years ago.

Commission Gray asked why they aren't using the turned balusters. Mr. Draper said they would need over 100 and they are very expensive making it cost-prohibitive. He can make them on his own and save a lot of money.

Commissioner Rinker asked for the dimensions of the upper and lower rails. Mr. Draper said they are 2x4's. Commissioner Rinker added that he knows they are not required to have a railing given the height, but he might want to check with codes on the spacing.

Mr. Draper said he has been in communication with a building inspector, and the design will meet code requirements. Mr. Draper added that there will be closer to 4" distance between the spindles.

Commissioner Gray said she understands going with the simple posts design and is comfortable with that, but the corbels are a faux detailing and don't seem to match the proportion of the fret work.

A motion was made by Commissioner Gray to approve the railing as presented with the more simplified details but without the faux corbels. The motion was seconded by Commissioner Schmidt. The motion passed 5-0-1. Commissioner Carr abstained.

#### Administrative Approvals:

- 17 W. Kansas, like in kind stucco repairs and replacement as needed
- 19 N. Water like in kind repairs to the step to the loft

#### Miscellaneous matters from the Commission:

- Commissioner Carr thanked Commissioner Gray for pointing out the inappropriateness of the corbels that were proposed in the 460 E Mill application. He has never seen that on any Eastlake home.
- Commissioner Carr asked about the 38 S Terrace and if staff has followed up. Ms. Thill said the COA was just issued in June or July and the COA is good for six months. She opted not to ask them for an update on the timing of replacing the garage doors.
- Commissioner Carr asked if the 353 Tax Abatement has been renewed. Ms. Thill said it is in progress and that applications are being accepted in anticipation of final approval.
- Commissioner Carr asked if the commission or staff had any thoughts on how we can better educate property owners about the COA requirement. Ms. Thill said they would do another mailing this fall. They also try to be proactive by sending the guidelines and a letter to new owners and also to real estate agents when a listing is posted.
- Commissioner Carr said the State Preservation Conference is in St. Louis next month. He said this is typically a very good conference and has found it helpful

in the past. If there are scholarships the fee might be covered. Ms. Thill said if anyone is interested to let her know.

Miscellaneous matters from Staff:

- Ms. Thill reported that two commissioners are rolling off the commission due to their term being expired. Commissioner Schmidt and Vice Chairman Aramjoo have decided not to be considered for another five-year term due to family commitments. Commissioner Carr has expressed interest in reappointment.
- Ms. Thill reported that 417 E Mississippi is for sale but it appears that the non-conforming windows have not been replaced with the recently approved windows. Commissioner Gray asked if there is a legal responsibility to disclose this to the potential home buyer. Ms. Thill will ask the city attorney. Commission Rinker said it should be disclosed and we may want to notify the listing agent.
- Ms. Thill reported that last week the City Council approved the contract for a commissioned sculpture titled "Stop and Smell the Roses" for permanent placement at the Kansas Street entrance to City Hall. She recognized and thanked Commissioner Gray for her participation in the selection panel. Commissioner Gray said a lot of great concepts were proposed and encouraged the Commission to watch the presentation that Greg Duncan made to the City Council on behalf of the Arts Commission and selection panel.

The meeting adjourned at 6:10 pm.

The City of



## Historic District Review Commission

**HDRC Case No. 25-014J**

**Staff: Jeanine Thill, Community Development Manager**

**HDRC Meeting Date: September 16, 2025**

### **GENERAL INFORMATION**

Application: Certificate of Appropriateness for an addition on the rear of the home and like in kind repairs as needed, a 353 Tax Abatement Project.

Applicant: David Pence

Location: 217 N. Lightburne

District: Jewell

NRHP Status/category: Contributing

File Date: September 9, 2025

### **SPECIFIC INFORMATION**

#### **SITE HISTORY**

Main or west roofline is broken by a small, symmetrically placed steep gable. Minimal fenestration with simple wooden entablature surrounds. Main entry topped with a fixed glass transom below a wooden entablature. Two chimneys; offset right and left.

#### **PROPOSAL DESCRIPTION**

Addition to the back/east side of the home on the second floor and like in kind repairs as needed.

#### **Materials & Details:**

- Windows – Two Andersen 100 Series Fibrex® Single Hung Windows, one on the north and one on the south elevations, on the addition. Size: 3'x5'. See Exhibit E.
- Siding – Smart Lap Smooth Siding and Trim to match existing on the addition. Replacement or repair of siding on the original home to match as needed. See Exhibit E.
- Roof Shingles – Timberline asphalt shingles to match existing in style and color. See Exhibit E.
- Roof Pitch- 3/12 pitch. See Exhibit D.
- Gutters: Aluminum gutters to match existing. See Exhibit E.
- Like in kind repairs as needed.
- Removal of non-historic materials on the front porch, removing the decorative hearts.

### **ANALYSIS**

**Unified Development Ordinance (“UDO”)** - The Unified Development Ordinance outlines design principles that have been adopted for all historic districts and landmarks in the City of Liberty.

**Design Guidelines (“DG”)** - Design Guidelines were established to give the HDRC general guidance in making subjective preservation choices in accordance with accepted best practices and the Secretary

of the Interior standards for historic preservation.

<b>UDO: Sec 30, design principles.</b>	<b>Staff Analysis</b>
<p><b>UDO: Sec. 30-50.3. District RNC, design principles.</b></p> <ol style="list-style-type: none"> <li>1. <i>New construction shall maintain the visual style and character of the surrounding neighborhood; and</i></li> <li>2. <i>New construction and additions shall complement the setbacks, building scale, parking, building and garage orientation of the neighborhood.</i></li> </ol> <p><b>UDO: Sec. 30-72.1 District HP, design principles.</b>  <i>New buildings should not duplicate older styles of architecture, but must be compatible with the architecture of the district. Scale, placement on lots and street setback must conform to the scale, placement and setback of adjacent structures, especially in the context of rows of buildings and streetscapes. Styles of architecture will be controlled only to ensure that their exterior design, materials, and color are in harmony with neighboring structures.</i></p> <p><b>Per the Design Guidelines additions shall consider the following guidelines:</b></p> <p><b>Recommended</b></p> <ul style="list-style-type: none"> <li>• <b>Additions should be smaller than the original structure</b></li> <li>• <b>New additions should be designed to respect the architectural style, materials, shape, detail, and color of the historic building and its surroundings.</b></li> <li>• <b>Additions should be made distinguishable from the original structure by using a subtle change in materials, an offset in the wall planes or a trim board to define the connection.</b></li> <li>• <b>Rooftop, or vertical, additions should respect the original building in mass, scale, shape and materials.</b></li> <li>• <b>New dormers should be in scale with historic ones on similar historic structures, and should reflect the roof and slope of the original roofline.</b></li> <li>• <b>Older additions that have historic or architectural significance should be preserved.</b></li> <li>• <b>Newer additions that are not historically or architecturally significant may be removed</b></li> </ul>	<p>The addition maintains the visual style and character of the neighborhood.</p> <p>The scale is similar to that of the surrounding area.</p> <p>The style of architecture is compatible with the architecture</p> <p>The addition is designed to respect the style, materials, shape, detail and color of the historic building and its surroundings.</p> <p>The addition is distinguishable from the original structure.</p> <p>The rooftop addition respects the original building in mass, scale, shape and materials.</p> <p>There are no new dormers on the addition.</p>

**PREVIOUS CASES / ADDITIONAL INFORMATION**

The design sub-committee met on site with the applicant and homeowner prior to application.

**STAFF RECOMMENDATION**

Staff recommends approval of the application because the application meets the standards for review and guidelines therefore, staff recommends approval of HDRC case #25-014J.

**ATTACHMENTS**

- |   |                         |
|---|-------------------------|
| 1. Exhibit A: Vicinity Map                    | 4. Exhibit D: Drawings  |
| 2. Exhibit B: Inventory Data Sheet            | 5. Exhibit E: Materials |
| 3. Exhibit C: Site Plan & Existing Conditions |                         |





**HDRC Case #25-014J**  
**217 N. Lightburne**



EXHIBIT A:  
VICINITY MAP

# MISSOURI OFFICE OF HISTORIC PRESERVATION

## ARCHITECTURAL/HISTORIC INVENTORY SURVEY FORM

1. NO. Roll B #7		4. PRESENT LOCAL NAME(S) OR DESIGNATION(S) 217 N. Lightburne	
COUNTY Clay		5. OTHER NAME(S)	
3. LOCATION OF NEGATIVES Liberty City Hall-Comm. Dev.			
6. SPECIFIC LEGAL LOCATION TOWNSHIP _____ RANGE _____ SECTION _____ IF CITY OR TOWN, STREET ADDRESS		16. THEMATIC CATEGORY Architecture	28. NO. OF STORIES 2
7. CITY OR TOWN IF RURAL, VICINITY Liberty, Missouri		17. DATE(S) OR PERIOD c. 1910	29. BASEMENT? YES (X) NO ( )
8. DESCRIPTION OF LOCATION		18. STYLE OR DESIGN Folk House: 1-House	30. FOUNDATION MATERIAL stone
		19. ARCHITECT OR ENGINEER unknown	31. WALL CONSTRUCTION frame
		20. CONTRACTOR OR BUILDER unknown	32. ROOF TYPE AND MATERIAL gable-asphalt shingle
9. COORDINATES UTM LAT _____ LONG _____		21. ORIGINAL USE, IF APPARENT residence	33. NO. OF BAYS FRONT 3 SIDE 1
10. SITE ( ) STRUCTURE ( ) BUILDING (X) OBJECT ( )		22. PRESENT USE residence	34. WALL TREATMENT clapboard
11. ON NATIONAL REGISTER? YES ( ) NO (X)		23. OWNERSHIP PUBLIC ( ) PRIVATE (X)	35. PLAN SHAPE rectangular
12. IS IT ELIGIBLE? YES ( ) NO (X)		24. OWNER'S NAME AND ADDRESS IF KNOWN K. and Martha J. Farnbrough 625 N. Fairview, Liberty, MO	36. CHANGES (EXPLAIN IN NO. 42) ADDITION ( ) ALTERED (X) MOVED ( )
13. PART OF ESTAB. HIST. DISTRICT? YES ( ) NO (X)		25. OPEN TO PUBLIC? YES ( ) NO (X)	37. CONDITION INTERIOR: unknown EXTERIOR: poor
14. DISTRICT POTENTIAL? YES ( ) NO ( )		26. LOCAL CONTACT PERSON OR ORGANIZATION Liberty, MO; Community Develop.	38. PRESERVATION UNDERWAY? YES ( ) NO (X)
15. NAME OF ESTABLISHED DISTRICT		27. OTHER SURVEYS IN WHICH INCLUDED	39. ENDANGERED? BY WHAT? YES (X) NO ( ) neglect
42. FURTHER DESCRIPTION OF IMPORTANT FEATURES Main or west roofline broken by a small, symmetrically placed, steep gable. Minimal fenestration with simple wooden entablature surrounds. Main entry topped with a fixed glass transom below a wooden entablature. Two chimneys: offset right and offset left. Remains of entry porch above west entrance.		<div style="border: 2px solid black; padding: 10px; width: 100%;"> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">PHOTO MUST BE PROVIDED</p> </div>	
43. HISTORY AND SIGNIFICANCE See 418 and 422 Doniphan Street; 17 S. and 125 N. Lightburn.			
44. DESCRIPTION OF ENVIRONMENT AND OUTBUILDINGS Chain link fence, south and east property line. Alley to north. Located in a neighborhood consisting of late 19th and early 20th century housing stock.			
45. SOURCES OF INFORMATION Water permit # 7-1100 9/9/11 Jack C. West		46. PREPARED BY C. Millstein/P. Glenn	
<b>RETURN THIS FORM WHEN COMPLETED TO:</b> OFFICE OF HISTORIC PRESERVATION P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 PH 314-751-4096		47. ORGANIZATION Liberty-Community Dev.	
		48. DATE SPR. 86	49. REVISION DATE(S)

IF ADDITIONAL SPACE IS NEEDED, ATTACH SEPARATE SHEET(S) TO THIS FORM



217 N Lightburne Existing Conditions



North Elevation



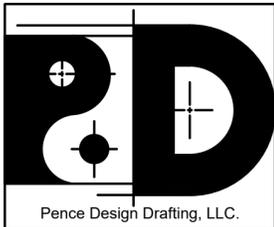


# Not For Construction

A New Addition for:  
**217 Lightburne**

217 Lightburne St.  
 Liberty, Missouri 64068

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24 S. Main St.  
 Suite 100  
 Liberty, MO 64068

ARCHITECTURAL  
 SITE PLAN

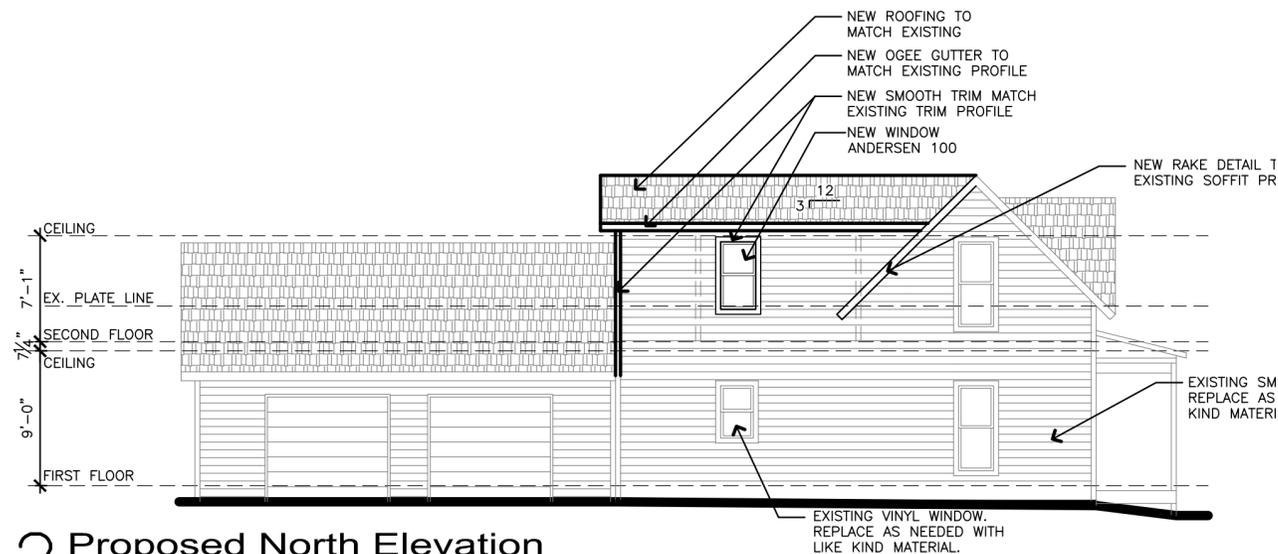
PROJECT: P25-013  
 DATE: June 2, 2025

SHEET NUMBER:  
**AC101**

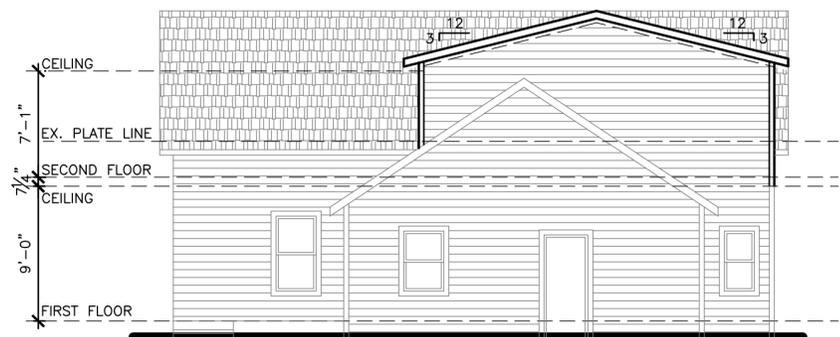
GENERAL PLAN NOTES:  
 ALL SUBCONTRACTORS SHALL BE  
 RESPONSIBLE FOR REVIEWING ALL  
 DRAWINGS IN THE SET PRIOR TO  
 CONSTRUCTION. CONSTRUCTION  
 SHALL COMPLY WITH THE 2018 IRC



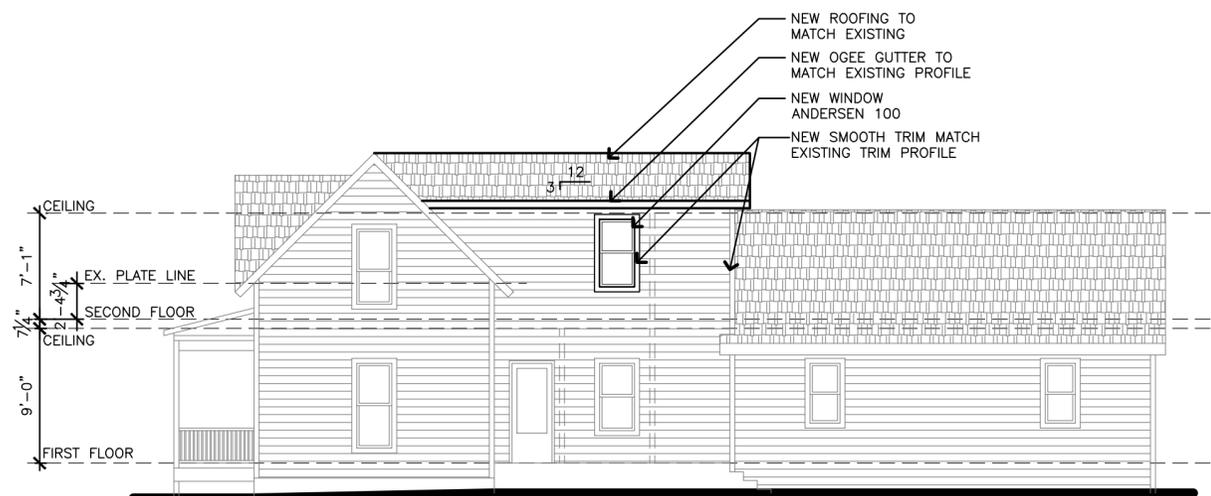
**1 Proposed West Elevation**  
SCALE: 1/4" = 1'-0"



**2 Proposed North Elevation**  
SCALE: 1/8" = 1'-0"



**4 Proposed East Elevation**  
SCALE: 1/8" = 1'-0"



**3 Proposed South Elevation**  
SCALE: 1/8" = 1'-0"

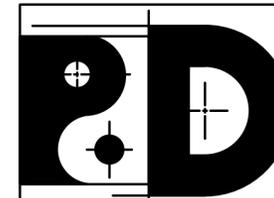
GENERAL PLAN NOTES:  
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**Not For Construction**

A New Addition for:  
**217 Lightburne**

217 Lightburne St.  
Liberty, Missouri 64068

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24 S. Main St.  
Suite 100  
Liberty, MO 64068

PROPOSED  
ELEVATIONS

PROJECT:

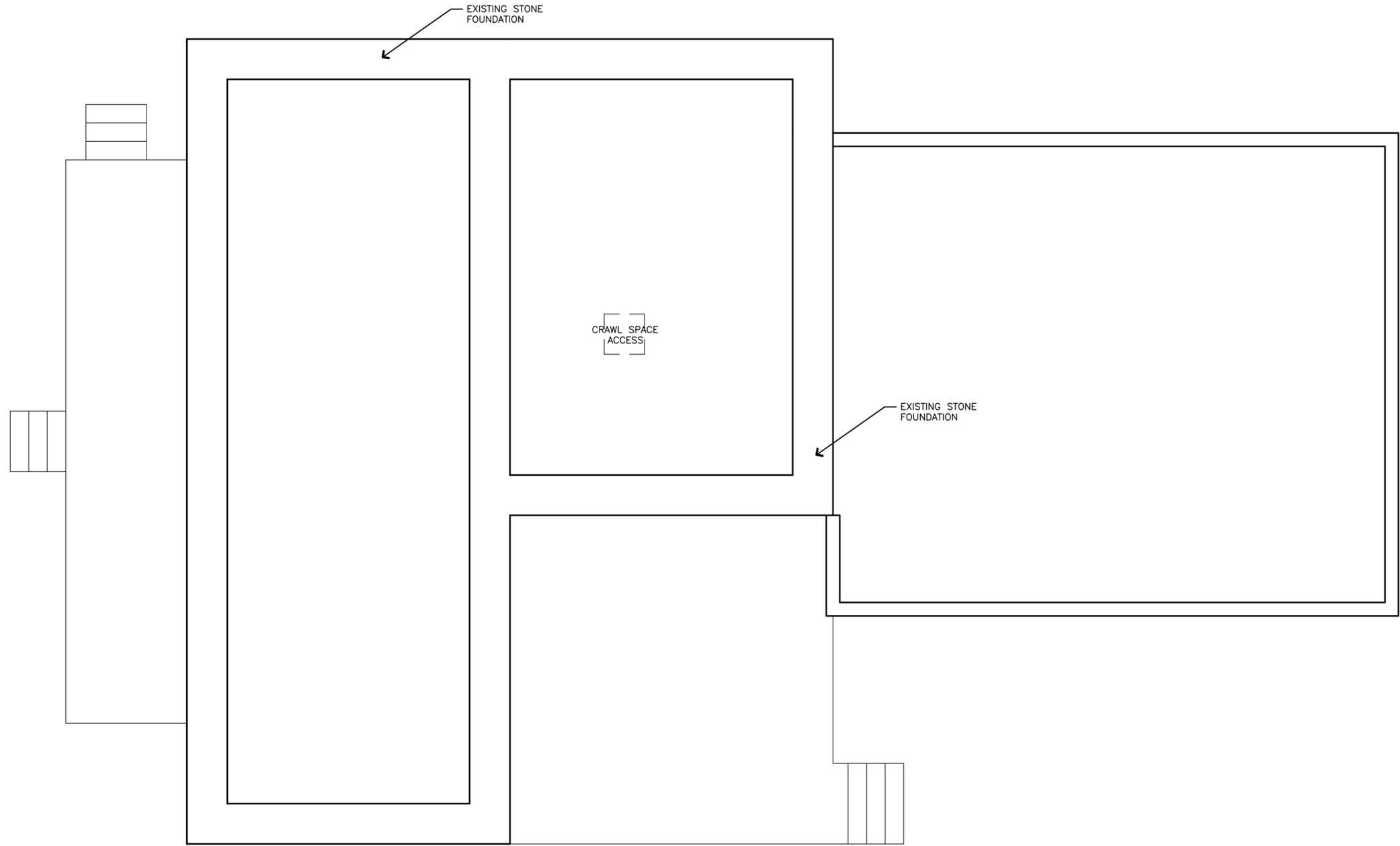
P25-013

DATE:

June 2, 2025

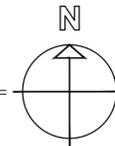
SHEET NUMBER:

**A101**



**1 Proposed Foundation Plan**

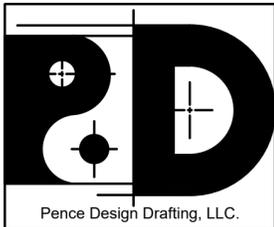
SCALE: 1/4" = 1'-0"



**Not For Construction**

A New Addition for:  
**217 Lightburne**

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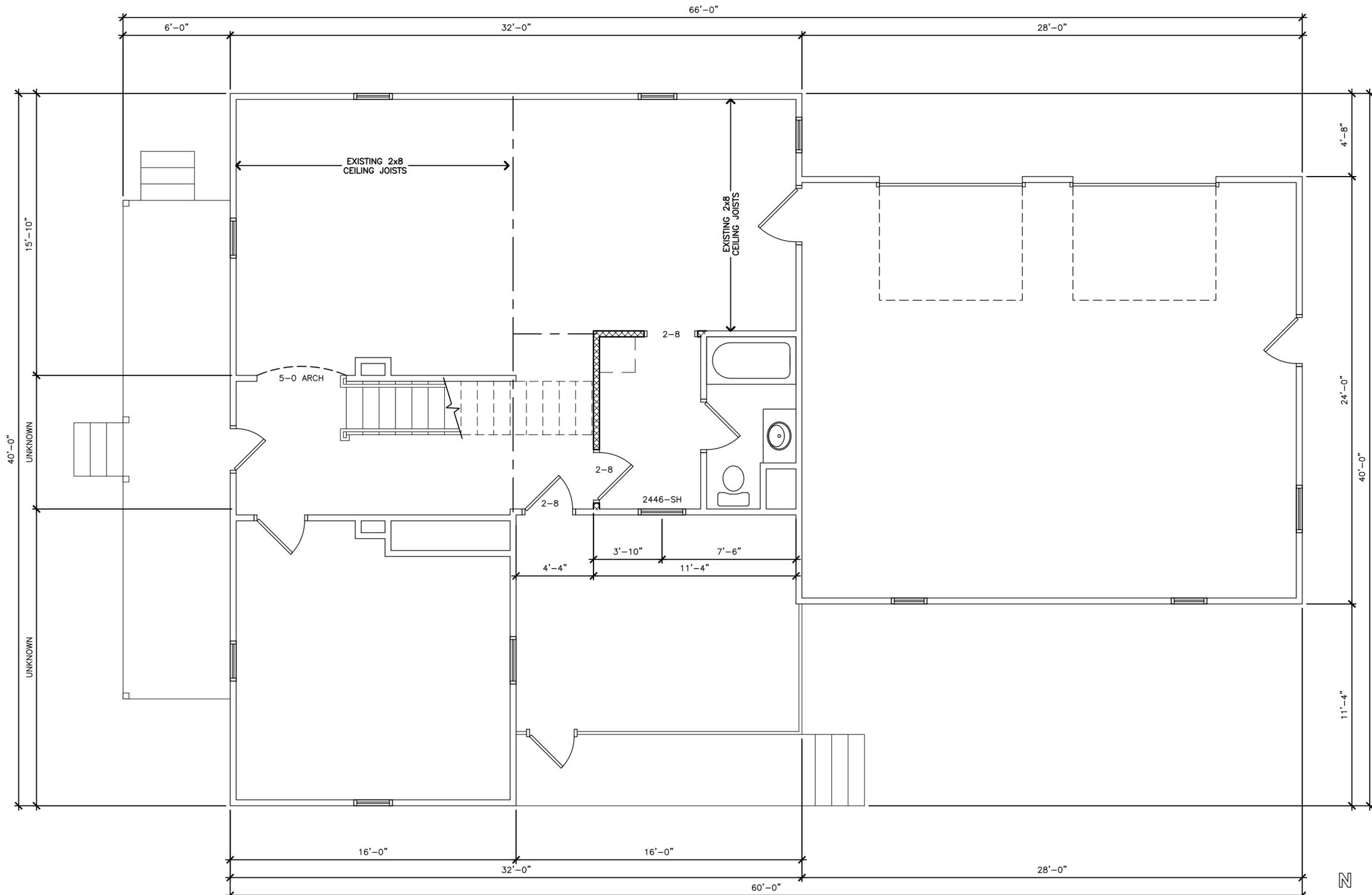
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**PROPOSED  
FOUNDATION PLAN**

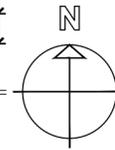
PROJECT: P25-013	DATE: June 2, 2025
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SHEET NUMBER:  
**A102**

**GENERAL PLAN NOTES:**  
ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS IN THE SET PRIOR TO CONSTRUCTION. CONSTRUCTION SHALL COMPLY WITH THE 2018 IRC



**1 Proposed First Floor Plan**  
SCALE: 1/4" = 1'-0"

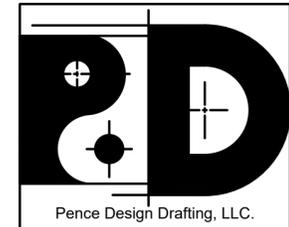


# Not For Construction

A New Addition for:  
**217 Lightburne**

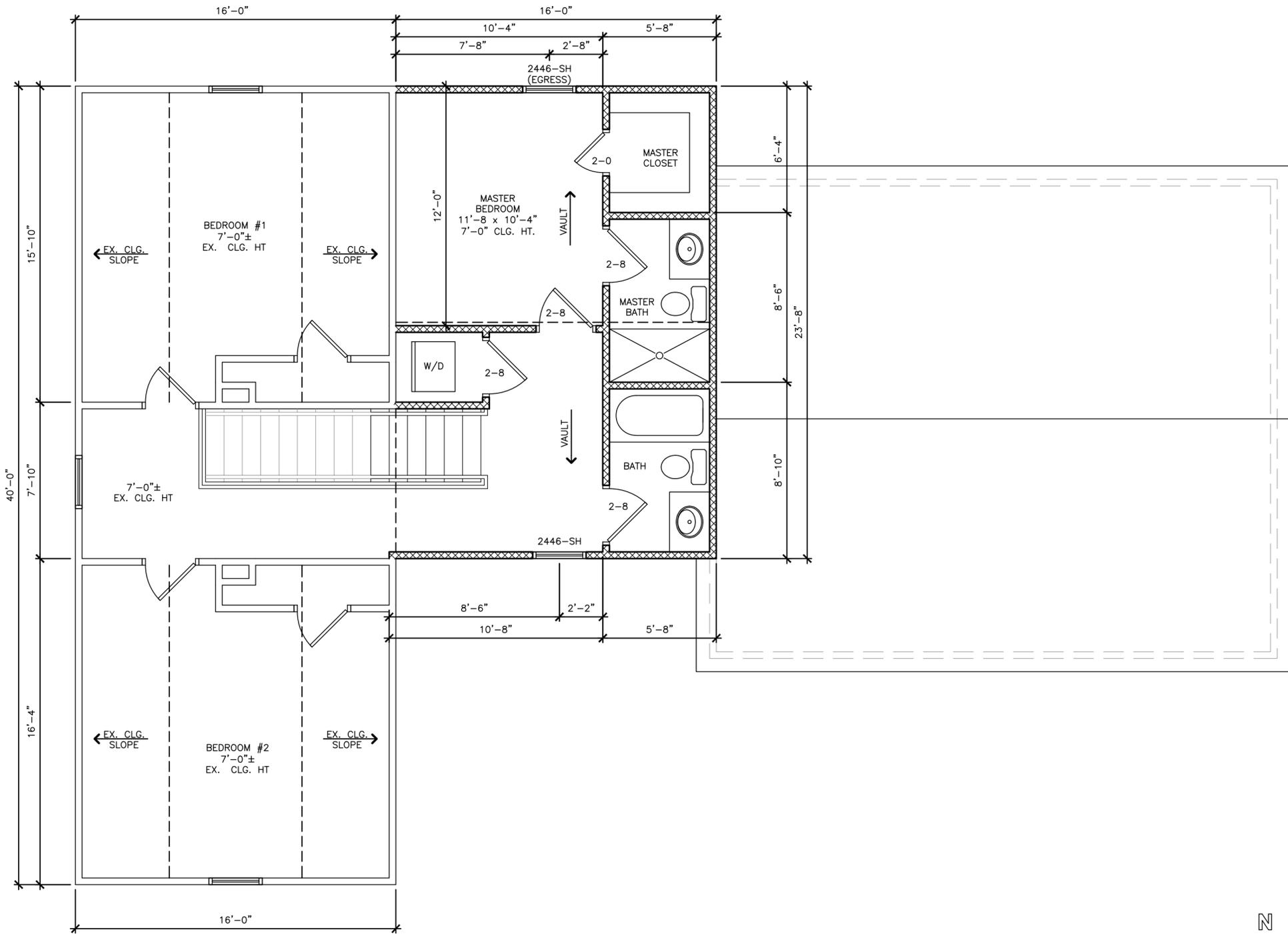
217 Lightburne St.  
Liberty, Missouri 64068  
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GENERAL PLAN NOTES:  
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24 S. Main St.  
Suite 100  
Liberty, MO 64068

PROPOSED FIRST FLOOR PLAN	
PROJECT: P25-013	DATE: June 2, 2025
SHEET NUMBER: <b>A103</b>	

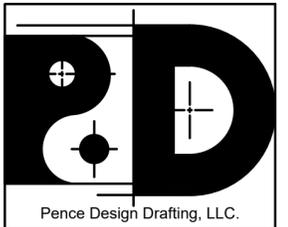


**1 Proposed Second Floor Plan**  
SCALE: 1/4" = 1'-0"

**Not For Construction**

A New Addition for:  
**217 Lightburne**

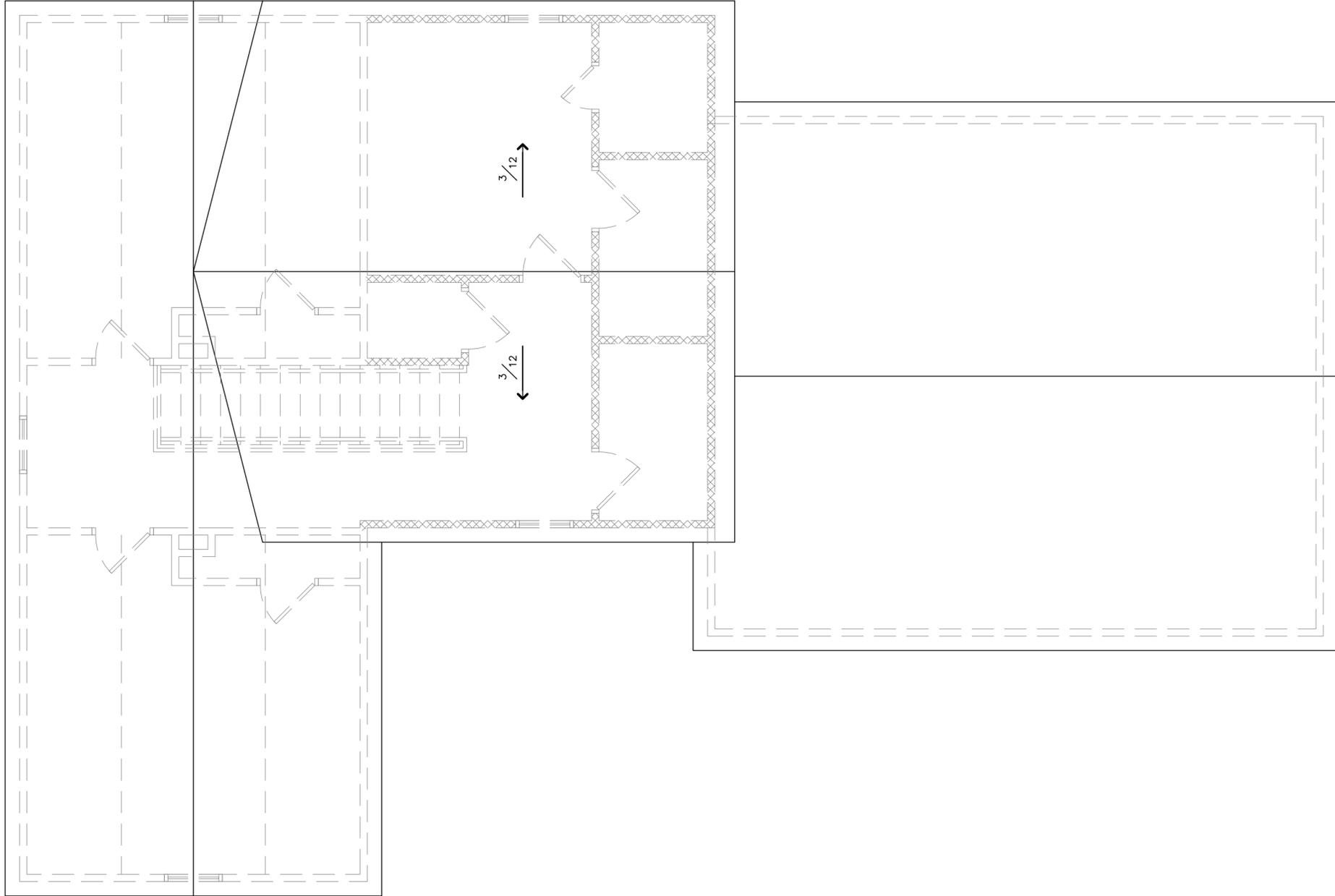
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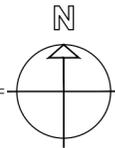
24 S. Main St.  
Suite 100  
Liberty, MO 64068

PROPOSED SECOND FLOOR PLAN	
PROJECT: P25-013	DATE: June 2, 2025
SHEET NUMBER: <b>A104</b>	

GENERAL PLAN NOTES:  
ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS IN THE SET PRIOR TO CONSTRUCTION. CONSTRUCTION SHALL COMPLY WITH THE 2018 IRC



**1 Proposed Roof Plan**  
SCALE: 1/4" = 1'-0"

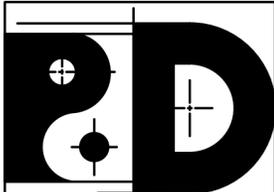


**Not For Construction**

A New Addition for:  
**217 Lightburne**

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Liberty, Missouri 64068  
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GENERAL PLAN NOTES:  
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DRAWINGS IN THE SET PRIOR TO  
CONSTRUCTION. CONSTRUCTION  
SHALL COMPLY WITH THE 2018 IRC



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24 S. Main St.  
Suite 100  
Liberty, MO 64068

PROPOSED  
ROOF PLAN

PROJECT: P25-013      DATE: June 2, 2025

SHEET NUMBER:

**A105**

## 217 N Lightburne

**Material List:** (Refer to building elevations for locations)

Smooth Smart Lap Siding

Smooth Smart Trim

Aluminum Ogee Gutter

Timberline Style Asphalt Shingle

Anderson 100 Single-Hung Window

# ADVANCED DURABILITY FOR LONGER LASTING BEAUTY®





## SHOW YOUR TRUE COLORS

For even more aesthetic options, primed LP SmartSide products serve as a great option. These products arrive ready to be painted any color so you and your clients can create the look you want. They're also backed by the durability you expect from engineered wood technology. All LP SmartSide products are available in the primed option.



### LAP SIDING

Easier-to-maintain traditional siding, available in cedar texture



### NICKEL GAP SIDING

Offers a modern profile with locking flanges and a fastener groove that hides nails



### SHAKES

Accent piece with staggered or straight edges and shiplap ends for a detailed finish



### PANEL & VERTICAL SIDING

Siding that can be used to create the classic board and batten style, among other looks



### TRIM & FASCIA

Details to add interest and curb appeal to any home's look, available in brushed smooth and cedar texture



### SOFFIT

Ventilation that completes a clean exterior look and serves as a finishing touch



### J-BLOCK

Offers a way to easily and attractively mount light fixtures, water faucets and more



### MINI-SPLIT

Install exterior features with ease; can be separated for specific mount styles



### OUTSIDE CORNER

Primed one-piece corners eliminate the need to build corners on the jobsite and help prevent water intrusion

## 100 SERIES



**A MODERN LOOK  
THAT'S EASY ON THE BUDGET**

# PERFORMANCE

100 Series products simply perform like modern windows and doors should. They're made from our proprietary Fibrex® material, which is extremely low maintenance and blocks thermal transfer 700 times better than aluminum to help your customers save money on heating and cooling costs.

## ATTRACTIVE CORNER SEAMS

Low-visibility corner seams for a cleaner and more modern look.

## COLORS THAT LAST

Durable factory-finished interiors and exteriors never need painting and won't fade, flake, blister or peel,\* even in extreme cold or heat.

## ATTRACTIVE MATTE INTERIORS

Premium matte finish isn't shiny like vinyl and is available in white, Sandtone, dark bronze and black.\*\*

## ENERGY EFFICIENT IN EVERY CLIMATE

Energy-efficient 100 Series products are available with options that make them ENERGY STAR® v. 7.0 certified throughout the U.S. so they can help reduce heating and cooling bills.

Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) for more information and to verify that the product with your glass option is certified in your area.



## EASY TO OPERATE FOR YEARS TO COME

All 100 Series products are tested to the extreme to deliver years\* of smooth, reliable operation.

## SUPERIOR WEATHER RESISTANCE

Our weather-resistant construction seals out drafts, wind and water so well that your reputation is protected whatever the weather.

## QUALITY SO SOLID, THE WARRANTY IS TRANSFERABLE\*

Many other window and door warranties end when a home is sold, but our coverage – 20 years on glass, 10 years on non-glass parts – transfers from each owner to the next. And because it's not prorated, the coverage offers full benefits year after year, owner after owner. So it can add real value when you decide to sell your home.

## OWNER2OWNER® LIMITED WARRANTY

## DESIGNED FOR PERFORMANCE

100 Series products are designed to meet or exceed performance requirements in all 50 states† See pages 112-113 for details.

## PG50<sup>††</sup>

**PERFORMANCE**  
OPTIONAL PERFORMANCE UPGRADE  
100SHS4066 PGUP +50/-50  
(AAMA/WDMA/CSA 101/1.5.2/A440-08 & -11)

\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\*Products with Sandtone, dark bronze and black interiors have matching exteriors.

†See your local code official for code requirements in your area.

††100SHS4066 PGUP +50/-50 (AAMA/WDMA/CSA 101/1.5.2/A440-08 & -11). Optional PG50 performance grade upgrade is available for most sizes. For more information, visit [andersenwindows.com/100series](http://andersenwindows.com/100series).

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

# DURABILITY

Think vinyl, only stronger. The proprietary Fibrex® material in our 100 Series products has all the benefits of vinyl while holding up better to weather and wear. This way your customers' windows and doors are better protected from warping and cracking, even in tough climates.\*



The finish on 100 Series products has superior scratch resistance compared to painted vinyl windows\*\* so they'll look beautiful for years to come.



Fibrex material retains its stability and rigidity in all climates, delivering exceptional durability. It makes our 100 Series products rigid and strong so the weathertight seals stay weathertight.



100 Series products can withstand temperatures up to 150°F, even for dark colors, meaning they won't warp due to sun exposure.

\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\*When 100 Series products were tested against five leading competitors' painted vinyl window products.



# FIBREX® MATERIAL

Developed by Andersen, Fibrex material is a revolutionary structural composite material that blends the very best attributes of vinyl and wood. Fibrex material saves on natural resources because it's composed of 40% reclaimed wood fiber by weight. Special polymer formulations surround and fill each wood fiber, enabling top performance. The result is a material that provides uncommon value and enhances the quality of any project. In use for over two decades in Andersen® products, Fibrex material has proven its strength and durability in all types of climates.

## REVOLUTIONARY BUILDING MATERIAL

- Twice as strong as vinyl so weathertight seals stay weathertight
- Blocks thermal transfer nearly 700 times better than aluminum to help reduce heating and cooling bills
- Retains its stability and rigidity in all climates for exceptional durability
- Offers superior scratch resistance compared to painted vinyl\*

## ENVIRONMENTALLY RESPONSIBLE

- Since Andersen developed the highly sustainable Fibrex material, reuse of waste wood fiber has prevented the harvesting of nearly 90 million board feet of timber
- 100 Series products can help builders earn LEED® points in three key categories: Energy & Atmosphere, Materials & Resources and Indoor Environmental Quality
- 100 Series products meet or exceed California Section 01350 Specification, a California indoor emission standard – one of the toughest in the country
- Like all Andersen products, 100 Series products are designed to last\*\* and help reduce future waste streams



See how Andersen created Fibrex material at [andersenwindows.com/fibrex](http://andersenwindows.com/fibrex).

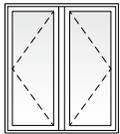
\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\*When tested against five leading competitors' painted vinyl window products.

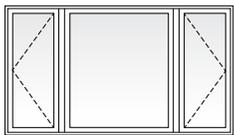
# WINDOW & DOOR TYPES

## CASEMENT & AWNING WINDOWS

Casement windows are hinged on the side and open outward to the left or right, while awning windows are hinged at the top and open outward. Both are also available as non-operating stationary windows.



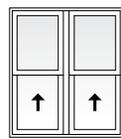
Twin Casement



Picture With Flanking Casements

## SINGLE-HUNG WINDOWS

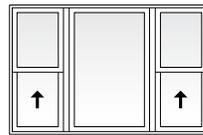
Single-hung windows feature a fixed upper sash with an operable lower sash that slides up and down. For convenience, the hardware locks automatically when the window is closed. An arch single-hung is also available to add architectural interest.



Twin Single-Hung



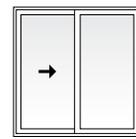
Arch Single-Hung



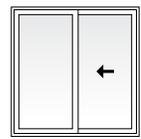
Picture With Flanking Single-Hungs

## GLIDING WINDOWS

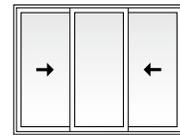
Gliding windows have one stationary sash and one operating sash that glides horizontally. A three-sash configuration, where two sash glide past a fixed center sash, is also available.



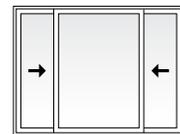
Gliding  
Active-Stationary



Gliding  
Stationary-Active



Gliding  
Active-Stationary-Active, 1:1:1 Sash Ratio



Gliding  
Active-Stationary-Active, 1:2:1 Sash Ratio



Available in custom sizes to fit all projects.

# EXTERIORS & INTERIORS

100 Series windows and patio doors come in five exterior colors, including dark bronze and black – colors that are darker and richer than those of most vinyl windows. The interiors feature a premium matte finish for an attractive appearance.

## EXTERIOR COLORS



White



Sandtone



Terratone



Dark Bronze

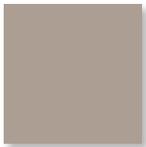


Black

## INTERIOR COLORS



White



Sandtone\*



Dark Bronze\*



Black\*

\*Products with Sandtone, dark bronze and black interiors have matching exteriors.

Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.



# HARDWARE

## Casement & Awning Windows



Antique Brass | Black | Dark Bronze  
Sandtone | **Satin Nickel** | White

Folding handles avoid interference with window treatments.

## Single-Hung & Gliding Windows



Standard Lock



Optional Lift/Pull

Hardware color matches the window's interior. Shown in white.  
Lock automatically engages when window is closed.



Optional Metal Slim Line Lock

Antique Brass | Black | **Dark Bronze**  
Sandtone | **Satin Nickel** | White

Lock automatically engages when window is closed.

## WINDOW HARDWARE FINISHES



Antique Brass | Black | Dark Bronze | Sandtone



Satin Nickel | White

Bold name denotes color or finish shown.

## Gliding Patio Doors



Exterior

Interior

### TULSA

Standard Handle

Exterior handle color matches the door's exterior. Interior handle color matches the door's interior. Exterior handle shown in dark bronze. Interior handle shown in white.

Optional auxiliary foot lock is available. See page 100.

## TULSA HARDWARE FINISHES



Black | Dark Bronze | Sandtone | Terratone\* | White



Exterior

Interior

### AFTON

Optional Handle

Antique Brass  
Black  
Bright Brass  
**Satin Nickel**

Optional auxiliary foot lock is available. See page 100. Bold name denotes color or finish shown.

## AFTON HARDWARE FINISHES



Antique Brass | Black | Bright Brass | Satin Nickel

\*Available for exterior handle only.

Printing limitation prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

# WINDOWS

## FEATURES

### CASEMENT & AWNING

#### FRAME

**A** Constructed with Fibrex® composite material. This construction produces a rigid frame. The durable, low-maintenance finish won't fade, flake, blister or peel.

Concealed receiving brackets mounted on the hinge side of the frame keep the sash tightly secured within the window frame when closed.

**B** See Common Features for frame options.

#### SASH

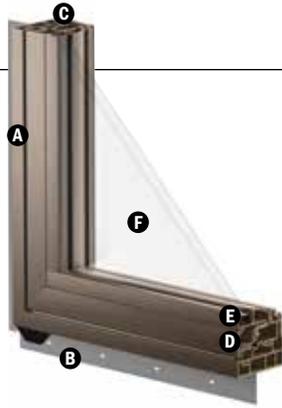
**C** Fibrex material construction provides long-lasting performance.\* The sash, finished with a durable capping, provides maximum protection and a low-maintenance matte finish.

**D** The dual weatherstrip system combines both an exterior watershed design and a bulb weatherstrip seal between the sash and frame. The result is a long-lasting, energy-efficient barrier against wind, water and dust.

#### GLASS

**E** A glazing bead and silicone provide superior weathertightness and durability.

**F** See Common Features for glass options.



#### HARDWARE

Sash operator provides easy to operate opening and closing, regardless of window size. Long-lasting stainless steel hinge channels are used at the head and sill to provide easy operation.

#### Single-Action Casement Sash Lock

A single-action lock easily releases all concealed locking points on the casement sash. The color or finish of the lock hardware matches the handle.

#### Awning Sash Locks



Awning sash locks provide an added measure of security and weathertightness. The standard sash lock matches the window's interior color.

### SINGLE-HUNG

#### FRAME

**A** Constructed with Fibrex® composite material. This construction produces a rigid frame. The durable, low-maintenance finish won't fade, flake, blister or peel.

**B** A durable side-loaded balancer provides for easy sash opening and closing. The lower sash can be removed without the use of tools.

**C** Weep holes are located on the exterior nose of the sill for proper water management.

**D** See Common Features for frame options.

#### SASH

The lower sash has a meeting rail cover with a unique raised profile design, allowing the sash to be opened and closed easily.

**E** Fibrex material construction provides long-lasting performance.\* The sash, finished with a durable capping, provides maximum protection and a matte low-maintenance finish.

**F** Dual felt weatherstrip provides a long-lasting, energy-efficient barrier against wind, water and dust.



#### GLASS

**G** A glazing bead and silicone provide superior weathertightness and durability.

**H** See Common Features for glass options.

#### HARDWARE

##### Sash Lock

The sash lock engages automatically when the lower sash is closed. The standard sash lock matches the window's interior color.

#### SHAPES & SASH OPTIONS



Single-Hung



Arch Single-Hung



Equal Sash



Reverse Cottage Sash

## COMMON FEATURES

#### FRAME

Five frame options include:

- 1 3/8" (35) flange setback for new construction siding applications.
- 1" (25) flange setback with stucco key for new construction stucco applications.
- No flange for full removal and replacement of an existing window when the existing frame is rotten or damaged.
- Insert for window replacement into an existing window frame.
- Flush fin† for stucco applications when installing over an existing aluminum window frame.

For frame drawings and more detailed information, see pages 8-9.

#### GLASS

Glass spacers are available in stainless steel and black.

High-Performance options include:

- Low-E SmartSun™ glass
- Low-E SmartSun HeatLock® glass
- Low-E glass
- Low-E HeatLock glass
- Low-E Sun glass
- Low-E PassiveSun® glass
- Low-E PassiveSun HeatLock glass
- Clear dual-pane glass

Tempered glass, STC glass and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction, and simplifies finishing at the job site.

#### Patterned Glass

Patterned glass options are available. See page 13 for more details.

#### PERFORMANCE OPTIONS

##### Performance Grade (PG) Upgrades

PG upgrades are available for select sizes of standard non-impact windows, allowing units to achieve PG50. PG ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. Choosing the PG50 upgrade doesn't change the appearance of the unit. For up-to-date performance ratings, visit [andersenwindows.com](http://andersenwindows.com).

\*Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\*Available in select Southwestern states including Arizona, California, Nevada, New Mexico and Utah. Limited configuration availability. See your Andersen supplier for more information.

†Products with Sandtone, dark bronze and black interiors have matching exteriors.

Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.

Dimensions in parentheses are in millimeters.

## EXTERIORS & INTERIORS

#### EXTERIOR COLORS



White



Sandtone



Terratone



Dark Bronze



Black

#### INTERIOR COLORS



White



Sandtone†



Dark Bronze†



Black†

Welcome to an overview of the enhanced navigation tools available in this PDF. Before you begin be sure you are using the latest version of Adobe Acrobat Reader (March 2023), available at – <https://get.adobe.com/reader/>

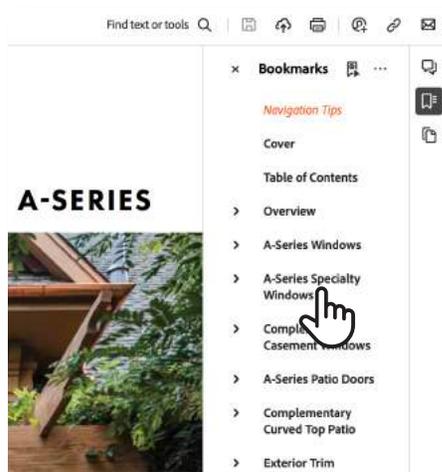
## BOOKMARK NAVIGATION

1

Acrobat will display the bookmarks panel on the right side when you open the PDF.

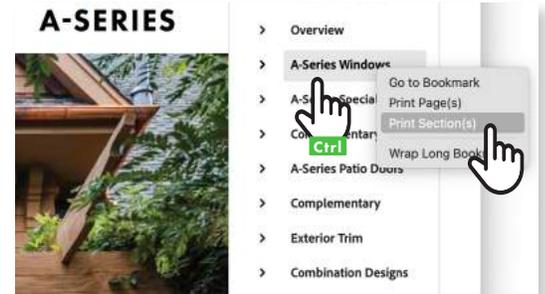
**Bookmarks** are the easiest way to find specific product information.

Select a topic and that page will be displayed.



2

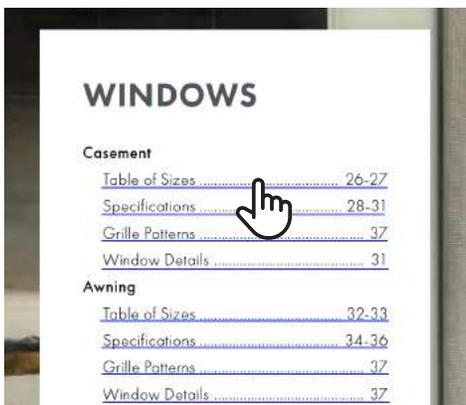
In the bookmarks panel you can print a specific section by holding down your **“Ctrl”** key and **clicking** on the section you want to print. Then choose **Print Section**.



## LINKS AND URL NAVIGATION

3

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



4

**Website links** automatically open in your web browser.

### GLASS SPACER OPTIONS



Black or white glass spacers are available as a standard offering on A-Series products, in addition to stainless steel glass spacers, to provide more ways to

### BETWEEN-THE-GLASS ART GLASS

With our between-the-glass art glass you can add interest, create focal points and make your work stand out. See [page 16](#) or visit [andersenwindows.com/artglass](https://andersenwindows.com/artglass) for more information.

### BLINDS-BETWEEN-THE-GLASS FOR PATIO DOORS





# Timberline HDZ<sup>®</sup>

High Definition<sup>®</sup> Lifetime<sup>†</sup> Shingles



As featured on *This Old House*, the Timberline HDZ<sup>®</sup> Shingles installed here are Oyster Gray.

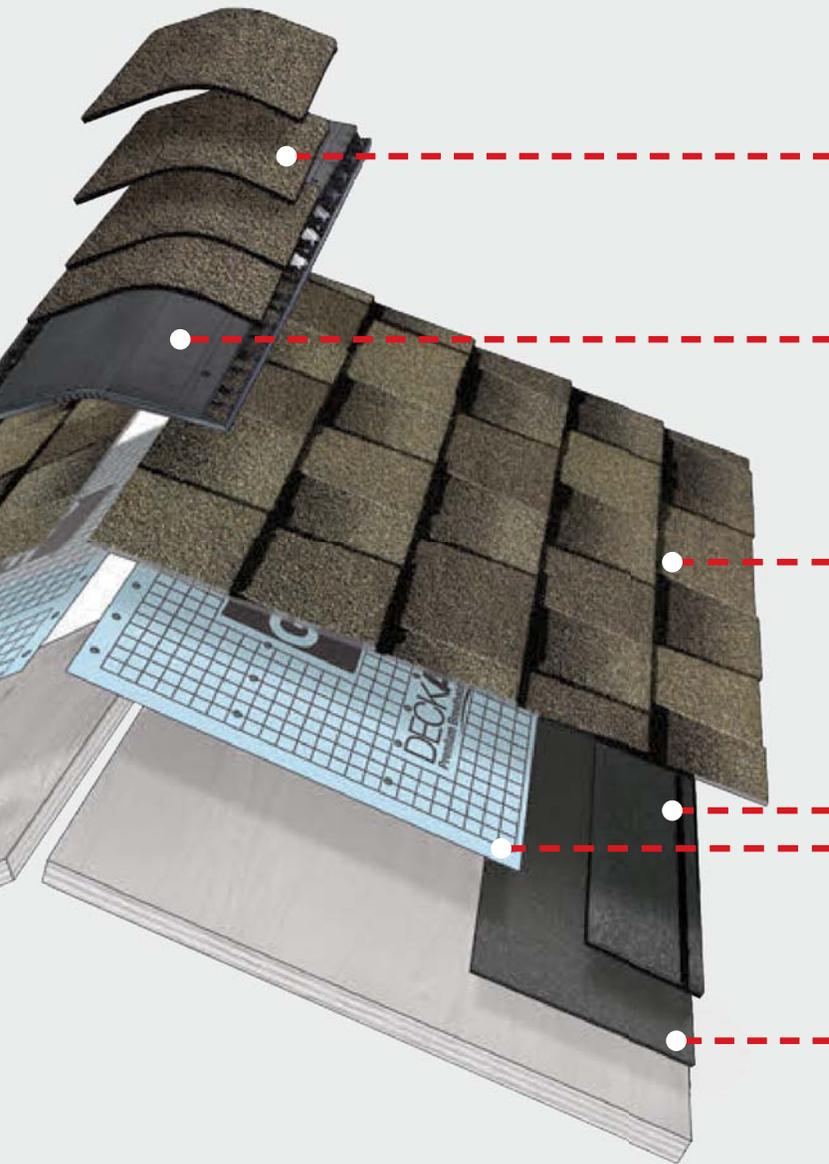
Millions of families have found shelter and peace of mind under a Timberline<sup>®</sup> roof.

And now, a good thing just got even better again.



We protect what matters most<sup>™</sup>

## The GAF Lifetime<sup>†</sup> Roofing System



### Ridge Cap Shingles

The finishing touch that helps defend against leaks at the hips and ridges



### Cobra<sup>®</sup> Attic Ventilation

Helps reduce attic moisture and heat



### Lifetime<sup>†</sup> Shingles

Beautify and protect for years to come



### Starter Strip Shingles

Helps guard against shingle blow-offs



### Roof Deck Protection

Helps shield the roof deck from moisture infiltration



### Leak Barrier

Helps prevent leaks caused by wind-driven rain and ice dams

Install any GAF Lifetime<sup>†</sup> Shingle and at least 3 qualifying GAF Accessories and get a Lifetime<sup>†</sup> limited warranty on your qualifying GAF products plus

non-prorated coverage for the first 10 years. For even stronger coverage, ask your GAF factory-certified contractor<sup>1</sup> about enhanced GAF warranties.



<sup>†</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. See the *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See the *GAF Roofing System Limited Warranty* for complete coverage and restrictions. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<sup>1</sup> Contractors enrolled in GAF certification programs are not employees or agents of GAF, and GAF does not control or otherwise supervise these independent businesses. Contractors may receive benefits, such as loyalty rewards points and discounts on marketing tools from GAF for participating in the program and offering GAF enhanced warranties, which require the use of a minimum amount of GAF products.



## Weathered Wood

The perfect neutral color, Weathered Wood complements a broad range of hues and works well with sage, cream, ivory, and beige.

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

## Specifications: LP® SmartSide® Trim

# CEDAR TEXTURE TRIM



Cedar Texture

### THE CLASSIC APPEARANCE OF CEDAR

- Use for corners, window and door trims
- Narrow widths for more design flexibility
- Primed for exceptional paint adhesion
- 16' length can result in faster installation and fewer seams
- Treated with the SmartGuard® process for superior protection against many weather conditions and resistance to termites and fungal decay

#### 190 SERIES CEDAR TEXTURE TRIM



#### 440 SERIES CEDAR TEXTURE TRIM



#### 540 SERIES CEDAR TEXTURE TRIM



#### 440 SERIES CEDAR TEXTURE PLOUGHED FASCIA



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
190 Series Trim	16 ft. (192 in.)(4.9 m)	2.50 in. (64 mm)	0.578 in. (14.7 mm)	28448	2 PSF
	16 ft. (192 in.)(4.9 m)	3.50 in. (89 mm)	0.578 in. (14.7 mm)	28450	2 PSF
	16 ft. (192 in.)(4.9 m)	5.50 in. (140 mm)	0.578 in. (14.7 mm)	28452	2 PSF
440 Series Trim	16 ft. (192 in.)(4.9 m)	1.50 in. (38 mm)	0.675 in. (17.1 mm)	25877	2 PSF
	16 ft. (192 in.)(4.9 m)	2.50 in. (64 mm)	0.675 in. (17.1 mm)	25878	2 PSF
	16 ft. (192 in.)(4.9 m)	3.50 in. (89 mm)	0.675 in. (17.1 mm)	25880	2 PSF
	16 ft. (192 in.)(4.9 m)	5.50 in. (140 mm)	0.675 in. (17.1 mm)	25882	2 PSF
	16 ft. (192 in.)(4.9 m)	7.21 in. (183 mm)	0.675 in. (17.1 mm)	25883	2 PSF
	16 ft. (192 in.)(4.9 m)	9.21 in. (234 mm)	0.675 in. (17.1 mm)	25884	2 PSF
540 Series Trim	16 ft. (192 in.)(4.9 m)	1.50 in. (38 mm)	0.970 in. (24.6 mm)	25886 *	3 PSF
	16 ft. (192 in.)(4.9 m)	2.50 in. (64 mm)	0.970 in. (24.6 mm)	25887 *	3 PSF
	16 ft. (192 in.)(4.9 m)	3.50 in. (89 mm)	0.970 in. (24.6 mm)	25888	3 PSF
	16 ft. (192 in.)(4.9 m)	5.50 in. (140 mm)	0.970 in. (24.6 mm)	25890	3 PSF
	16 ft. (192 in.)(4.9 m)	7.21 in. (183 mm)	0.970 in. (24.6 mm)	25891	3 PSF
	16 ft. (192 in.)(4.9 m)	9.21 in. (234 mm)	0.970 in. (24.6 mm)	25892	3 PSF
440 Series Ploughed Fascia	16 ft. (192 in.)(4.9 m)	5.47 in. (140 mm)	0.62 in. (15.7 mm)	27240 *	2 PSF
	16 ft. (192 in.)(4.9 m)	7.21 in. (183 mm)	0.62 in. (15.7 mm)	27819 *	2 PSF

\*Special order item. Requires minimum quantity and extended lead times.

## Specifications: LP® SmartSide® Trim

# BRUSHED SMOOTH TRIM



Brushed Smooth Trim

### SMOOTH APPEARANCE, ADVANCED DURABILITY OF ENGINEERED WOOD

- Helps protect against moisture intrusion, impacts from hail, and damage from freeze/thaw cycles
- Treated with the SmartGuard® process for superior protection against many weather conditions and resistance to termites and fungal decay
- 16' length can result in faster installation and fewer seams
- Primed for exceptional paint adhesion
- Backed by an industry-leading 5/50-year limited warranty

#### 440 SERIES BRUSHED SMOOTH TRIM



#### 540 SERIES BRUSHED SMOOTH TRIM



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
440 Series Trim	16 ft. (192 in.)(4.9 m)	2.50 in. (64 mm)	0.675 in. (17.1 mm)	45999	2 PSF
	16 ft. (192 in.)(4.9 m)	3.50 in. (89 mm)	0.675 in. (17.1 mm)	46000	2 PSF
	16 ft. (192 in.)(4.9 m)	5.50 in. (140 mm)	0.675 in. (17.1 mm)	46001	2 PSF
	16 ft. (192 in.)(4.9 m)	7.21 in. (183 mm)	0.675 in. (17.1 mm)	46002	2 PSF
	16 ft. (192 in.)(4.9 m)	9.21 in. (234 mm)	0.675 in. (17.1 mm)	46003	2 PSF
	16 ft. (192 in.)(4.9 m)	11.21 in. (285 mm)	0.675 in. (17.1 mm)	46004	2 PSF
540 Series Trim	16 ft. (192 in.)(4.9 m)	1.50 (38 mm)	0.675 in. (17.1 mm)	46012	2 PSF
	16 ft. (192 in.)(4.9 m)	2.50 in. (64 mm)	0.970 in. (24.6 mm)	46010	3 PSF
	16 ft. (192 in.)(4.9 m)	1.50 (38 mm)	0.970 in. (24.6 mm)	46011	3 PSF
	16 ft. (192 in.)(4.9 m)	3.50 in. (89 mm)	0.970 in. (24.6 mm)	45992	3 PSF
	16 ft. (192 in.)(4.9 m)	5.50 in. (140 mm)	0.970 in. (24.6 mm)	45993	3 PSF
	16 ft. (192 in.)(4.9 m)	7.21 in. (183 mm)	0.970 in. (24.6 mm)	45995	3 PSF
540 Series Trim	16 ft. (192 in.)(4.9 m)	9.21 in. (234 mm)	0.970 in. (24.6 mm)	45997	3 PSF
	16 ft. (192 in.)(4.9 m)	11.21 in. (285 mm)	0.970 in. (24.6 mm)	45998	3 PSF

## Specifications: LP® SmartSide® Soffit

# CEDAR TEXTURE SOFFIT

### THE FINISHING TOUCH

- Cut-to-width can help to eliminate time spent cutting full sheets down to size
- 38 Series engineered for closed soffit applications
- 76 Series and 190 Series are ideal for use as the starter course for roofs with exposed eaves
- Treated with the SmartGuard® process for superior protection against many weather conditions and resistance to termites and fungal decay



Cedar Texture

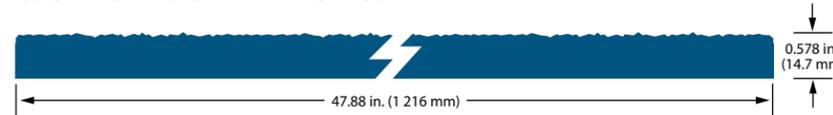
### 38 SERIES 4' x 8' CEDAR TEXTURE SOFFIT



### 76 SERIES 4' x 8' CEDAR TEXTURE SOFFIT



### 190 SERIES 4' x 8' CEDAR TEXTURE SOFFIT



### 38 SERIES CEDAR TEXTURE SOFFIT – CUT-TO-WIDTH



### 76 SERIES CEDAR TEXTURE SOFFIT – CUT-TO-WIDTH



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series 4' x 8' Cedar Texture Soffit	8 ft. (96 in.)(2.4 m)	47.88 in. (1 216 mm)	0.354 in. (9 mm)	25813	-
38 Series Cedar Texture Siding and Soffit Panel	8 ft. (96 in.)(2.4 m)	47.88 in. (1 216 mm)	0.354 in. (9 mm)	41044	-
76 Series 4' x 8' Cedar Texture Soffit	8 ft. (96 in.)(2.4 m)	47.88 in. (1 216 mm)	0.418 in. (10.6 mm)	25814	-
190 Series 4' x 8' Cedar Texture Soffit	8 ft. (96 in.)(2.4 m)	47.88 in. (1 216 mm)	0.578 in. (14.7 mm)	25816 *	-
38 Series Cedar Texture Soffit – Cut-to-Width	16 ft. (192 in.)(4.9 m)	11.94 in. (303 mm)	0.354 in. (9 mm)	25805	-
	16 ft. (192 in.)(4.9 m)	15.94 in. (405 mm)	0.354 in. (9 mm)	25806	-
	16 ft. (192 in.)(4.9 m)	23.94 in. (608 mm)	0.354 in. (9 mm)	25807	-

\*Special order item. Requires minimum quantity and extended lead times. | Metric units are rounded.

## Specifications: LP® SmartSide® Soffit

# BRUSHED SMOOTH SOFFIT

### THE FINAL DETAIL TO MAXIMIZE CURB APPEAL

- Cut-to-width can help to eliminate time spent cutting full sheets down to size
- 38 Series engineered for closed soffit applications
- Treated with the SmartGuard® process for superior protection against many weather conditions and resistance to termites and fungal decay



Brushed Smooth

### 38 SERIES BRUSHED SMOOTH SOFFIT – CUT-TO-WIDTH



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series Brushed Smooth Soffit – Cut-to-Width	16 ft. (192 in.)(4.9 m)	11.94 in. (303 mm)	0.354 in. (9 mm)	46005	-
	16 ft. (192 in.)(4.9 m)	15.94 in. (405 mm)	0.354 in. (9 mm)	46006	-
	16 ft. (192 in.)(4.9 m)	23.94 in. (608 mm)	0.354 in. (9 mm)	46009	-

## CEDAR TEXTURE VENTED SOFFIT

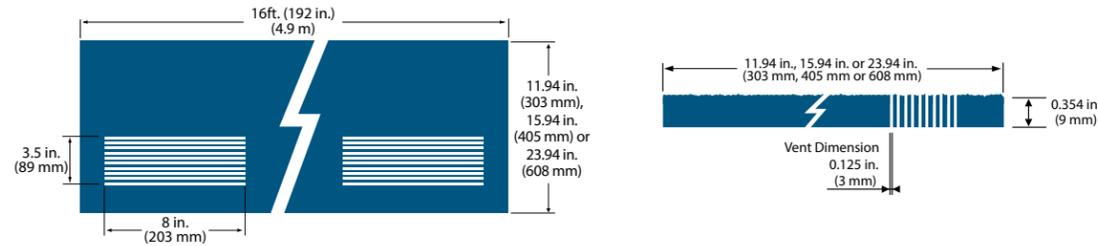
### ENGINEERED TO CUT OUT PROBLEMS

- Precisely cut vents offer 5 and 10 square inches of ventilation per linear foot, providing more options to meet code requirements while adding architectural beauty
- Promotes continuous airflow
- 1/8" vents to help keep hornets and most bees out
- Eliminates time spent ripping full sheets
- Treated with the SmartGuard® process for superior protection and resistance against many weather conditions, fungal decay and termites



Cedar Texture

### 38 SERIES VENTED CEDAR TEXTURE SOFFIT – CUT-TO-WIDTH



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series 5 sq. in. Vented Cedar Texture Soffit – Cut-to-Width	16 ft. (192 in.)(4.9 m)	11.94 in. (303 mm)	0.354 in. (9 mm)	45450	-
	16 ft. (192 in.)(4.9 m)	15.94 in. (405 mm)	0.354 in. (9 mm)	45451	-
38 Series 10 sq. in. Vented Cedar Texture Soffit – Cut-to-Width	16 ft. (192 in.)(4.9 m)	11.94 in. (303 mm)	0.354 in. (9 mm)	25822	-
	16 ft. (192 in.)(4.9 m)	15.94 in. (405 mm)	0.354 in. (9 mm)	25823	-
	16 ft. (192 in.)(4.9 m)	23.94 in. (608 mm)	0.354 in. (9 mm)	25824	-

## BRUSHED SMOOTH VENTED SOFFIT

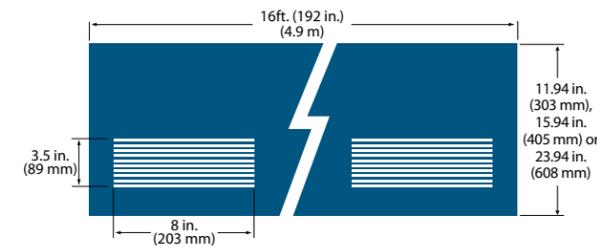
### TIMELESS DESIGN MEETS EVERYDAY FUNCTIONALITY

- Precisely cut vents offer 10 square inches of ventilation per linear foot, providing more options to meet code requirements while adding architectural beauty
- Promotes continuous airflow
- 1/8" vents to help keep hornets and bees out
- Eliminates time spent ripping full sheets
- Treated with the SmartGuard® process for superior protection and resistance against many weather conditions, fungal decay and termites

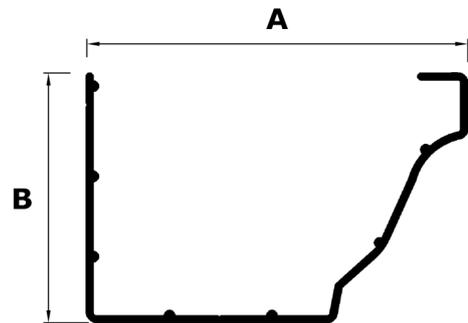


Brushed Smooth

### 38 SERIES VENTED BRUSHED SMOOTH SOFFIT – CUT-TO-WIDTH



DESCRIPTION	LENGTH	ACTUAL WIDTH	THICKNESS	PID NUMBER	WEIGHT
38 Series 10 sq. in. Vented Brushed Smooth Soffit – Cut-to-Width	16 ft. (192 in.)(4.9 m)	11.94 in. (303 mm)	0.354 in. (9 mm)	46964	-
	16 ft. (192 in.)(4.9 m)	15.94 in. (405 mm)	0.354 in. (9 mm)	46043	-
	16 ft. (192 in.)(4.9 m)	23.94 in. (608 mm)	0.354 in. (9 mm)	46044	-



Gutter Size A & B	Maximum length	Spigot	Product Code
200 x 150mm	3000mm	Internal	86MOG3

#### Product Description

Extruded aluminium gutters are a fantastic option for new build and refurbishment applications due to their smooth lines, clean appearance and robust properties. This large profile can collect a considerable amount of rainwater run off and provide drainage for the largest all pitched roofs, like school and commercial buildings.

#### Properties

Made from aluminium alloy 6063 T6 and LM6  
100% recyclable, lightweight and strong  
Radius gutters - Faceted radius available  
Other profiles available

Supplied Mill Finished (uncoated) or coated on ARP's in-house Polyester Powder Coating line to clients choice of RAL or BS standard colours.

#### Jointing

This gutter is jointed using loose internal unions and are bolted together for additional strength. Lengths are butt jointed, then a low modular sealant, such as Arbosil 1096, is applied and the union is then bolted to both sides creating a joint which will stand up to thermal movement.

For step by step instructions please refer to ARP product installation guide.

#### Functional Life Expectancy

ARP qualifies that when installed correctly and maintained in accordance with its product guidelines and O&M procedure, its products are designed to give a minimum effective functional life expectancy of 30 years.

#### Specification Information

**Clause:** R10/311 Rainwater Drainage Systems

**Product:** Sentinel Modern Ogee Gutter System

**Manufacturer:** ARP Ltd  
Unit 2 Vitruvius Way  
Meridian Business Park  
Braunstone, Leicester  
LE19 1WA

#### Handling & Storage

Gutters, downpipes and fittings, particularly with polyester powder coat finish should be handled with care and should preferably be stored under cover on racks to prevent scratching. All lengths are supplied in protective polythene wrapping, components suitably packed in boxes. If painted products are to be stored outside, cover with tarpaulin to guard against water ingress into the protective polythene. Mill finish items should be stored undercover to avoid uneven oxidation prior to being fitted.

#### Maintenance

In order to maintain proper working order, gutters should be periodically cleaned out and any built-up debris removed. Check all fixings are secure and take any remedial action to rectify if necessary. To maximise the life of the decorative paint finishes, all parts should be washed down with clean water, at least every 12 months and any damage repaired. In marine/industrial environments and dependent on distance from either the coastline or source of pollution, this period may need to be shortened to 6 or 3 months. Records of the cleaning schedule and frequency should be kept and maintained. Please enquire of our sales office, should more information be required.

#### Further Information

Please visit [www.arp-ltd.com](http://www.arp-ltd.com) or contact the ARP team on 0116 289 4400 for any other information.