

MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	19010 Fisher Avenue, Poolesville	Meeting Date:	12/04/2024
Resource:	Master Plan Site #17/12 <i>Valhalla</i>	Report Date:	11/27/2024
Applicant:	Monika Palmore (Thomas Taltavull, Architect)	Public Notice:	11/20/2024
Review:	HAWP	Tax Credit:	Partial
Permit No.:	1093105	Staff:	Laura DiPasquale
Proposal:	Demolition of non-historic additions and construction of new rear addition, siding removal and restoration of exterior walls		

STAFF RECOMMENDATION

Staff recommends that the HPC **approve** the HAWP application with final approval delegated to staff:



Figure 1: The subject property, 19010 Fisher Avenue, outlined in blue. The house, known as Valhalla, is set back approximately 920 feet from Fisher Avenue/Whites Ferry Road.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Master Plan Historic Site (*Valhalla, #17/12*)

STYLE: Late Federal Vernacular

DATE: 1835; c. 1855-65

From *Places from the Past*:

Built in 1835 and enlarged in the mid-1800s, Valhalla was among the earliest classically-influenced houses in the Poolesville area constructed of undressed Seneca sandstone. Previously the stone had been used almost exclusively for small cottages, foundations, slave quarters, barns, and other secondary structures. The original house is the three-bay eastern portion (left), built in 1835 for Sarah Poole and her husband Isaac Jones. The symmetrical façade with central entrance belies the medieval hall-and-parlor plan of this section. The door opens into the east room, while the enclosed staircase is built against the interior wall of the west room. Isaac Jones died in 1840 and Sarah remarried in 1852. After the house was severely damaged in a fire, the three-bay western portion was built, between 1855 and 1865, with a side hall plan. Both sections have Greek Revival stone lintels and matching four-light door transoms and 6/6 sash windows. All three mantels in the stone sections are matching, with reeded pilasters and beveled frieze. The mantels are of a design found in three other local houses dating from 1850-65, including Mt. Nebo. The slate roof was probably also installed on both sections about 1860, judging by the three-diamond design attributed to this era.

A log structure at the southeast corner of the house may date from the same era as the original block. Connected to the house by a 1938 frame addition, the log building is covered with asbestos siding and used as a kitchen. Another rear frame addition was built in 1954. Immediately behind the house stands a 12' x 10' stone dairy or springhouse (c1830s) with cantilevered roof covering the entrance in a manner typical of such buildings in the early 1800s. Further south is a late 19th century barn. During the Jones' ownership, the property was known as Friendship. The Bernsdorffs, long-time owners who acquired the property in 1944, renamed it Valhalla.



Figure 2: View of the rear elevation of the subject property, with approximate dates of construction for the various components.



Figure 3: Front (north) elevation of the subject property.



Figure 4: Front (north) and east side elevations, including the asbestos siding-clad log kitchen building on the left.



Figure 5: View of the south elevation, including the existing non-historic additions dating to 1954 (left) and 1938 (right). A portion of the gable roof of the historic log kitchen is visible on the right.



Figure 6: View of the rear (south) and west side elevation.

PROPOSAL

The applicant proposes to remove two existing 20th-century one-story rear additions and to construct a new one-story addition with an expanded footprint. The proposed addition would be clad in smooth fiber cement siding with an 8.25 inch exposure and feature low-profile standing seam metal roof. The applicant proposes Andersen 400 series vinyl-clad wood simulated-divided-lite windows and wood doors. The applicant also proposes restoration work to the historic house, including the restoration of all existing wood windows and doors, mortar analysis and stone repointing, removal of existing asbestos siding on the historic log frame portion of the building, and replacement in-kind of the wood shingle roof on the historic dairy building.



Figure 7: Rendering of the proposed rear addition.

APPLICABLE GUIDELINES

In accordance with section 1.5 of the Historic Preservation Commission Rules, Guidelines, and Procedures (Regulation No. 27-97) (“Regulations”), in developing its decision when reviewing a Historic Area Work Permit application for an undertaking at a Master Plan site, the Commission uses the *Montgomery County Code* (“Chapter 24A”), the *Secretary of the Interior’s Standards and Guidelines for Rehabilitation (Standards)*, and pertinent guidance in applicable master plans. [Note: where guidance in an applicable master plan is inconsistent with the Standards, the master plan guidance shall take precedence (section 1.5(b) of the Regulations).] The pertinent information in these documents, incorporated in their entirety by reference herein, is outlined below.

Montgomery County Code Chapter 24A-8

The following guidance which pertains to this project are as follows:

- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
 - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
 - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or

Secretary of the Interior's Standards for Rehabilitation

The Secretary of the Interior defines rehabilitation as “the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values.” The applicable *Standards* are as follows:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION

Staff supports the proposed rear addition and restoration work and recommends approval. The proposed addition replaces two existing non-historic additions, only obscuring one additional window of the historic rear wall of the stone house, and one small side window on the log kitchen structure. The existing window on the rear wall would be left in place; no alterations are proposed to the historic stone walls, and as such, if removed in the future, the proposed addition would leave the essential form and integrity of the historic property intact, satisfying *Standard 10*. The roof of the proposed addition would remain below the sills of the second-story windows, and would correct an inappropriate gutter detail on the existing 1954 addition that overlaps a first-floor window of the main block.



Figure8: Section cut through the addition showing the roof placement below the existing second-story window sills and retention of the historic rear wall and windows on the interior of the addition.



Figure 9: Section cut through the existing stone house and proposed addition.

Staff finds that the location of the proposed addition at the rear, its one-story design against a two-story main block, and the use of frame construction, horizontal Hardie siding, Andersen windows, and standing-seam metal roofs provides differentiation between the new and old, identified as key to a successful new addition in *Standard 9*. Similarly, the shed and gable roofs and simulated-divided-light fenestration of the proposed addition are compatible with that of the existing house in terms of scale, rhythm, and massing. While staff would not typically support the use of vinyl or vinyl-clad windows on a Master Plan site, staff finds that the use of the proposed Andersen 400 Series vinyl-clad windows on the new addition are appropriate in this circumstance, since they are to be used on the new rear addition only and feature traditional putty slope sash profiles that are compatible with but differentiated from the historic windows, in keeping with *Standard 9* and Chapter 24A-8(b)(2).

The Secretary of the Interior’s *Guidelines for Rehabilitating Historic Buildings*, which extrapolates on the more succinct *Standards for Rehabilitation*, provides guidance on new exterior additions and related new construction, explaining that “generally, a new addition should be subordinate to the historic building. A new addition should be compatible, but differentiated enough so that it is not confused as historic or original to the building.”¹ Given the location of the proposed addition at the rear of the property, its diminutive one-story scale and massing, which pull from dimensions and forms of the existing historic log structure, staff finds that the proposal presents as subordinate to the historic building. Staff finds that the addition complies with *Standard 9* and the *Guideline for New Exterior Additions and Related New Construction*.

¹ *The Secretary of the Interior’s Standards for the Treatment of Historic Properties, with Guidelines for Preserving, Rehabilitating, Restoring & Reconstructing Historic Buildings*: <https://www.nps.gov/orgs/1739/upload/treatment-guidelines-2017-part1-preservation-rehabilitation.pdf>

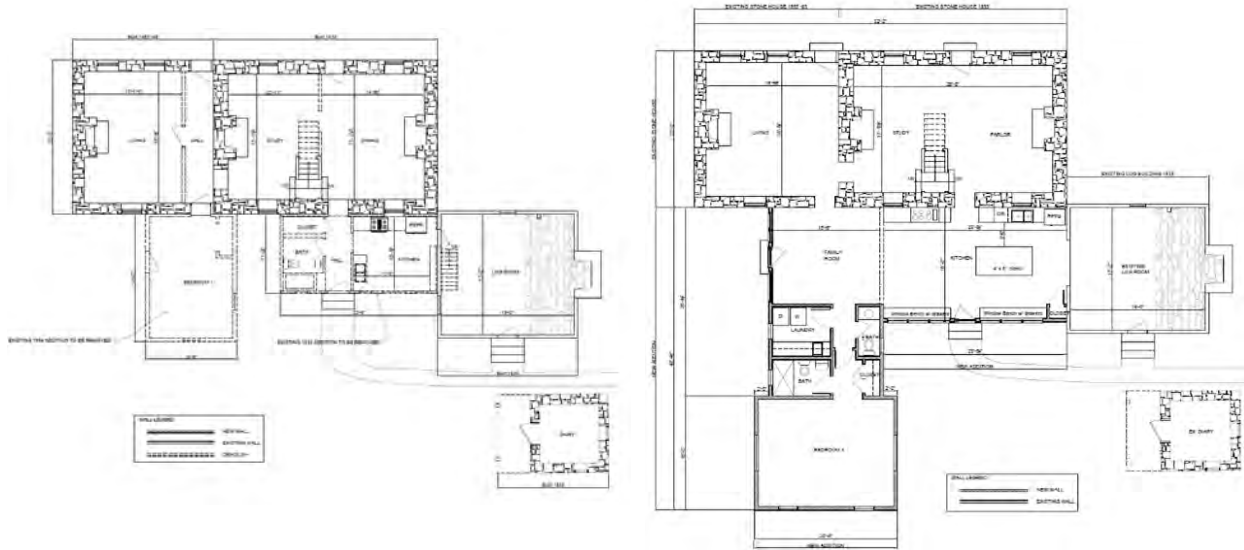


Figure 10: Existing/demo floor plan (left) and proposed floor plan (right).



Figure 11: Existing/demo south elevation (above) and proposed south elevation (below).

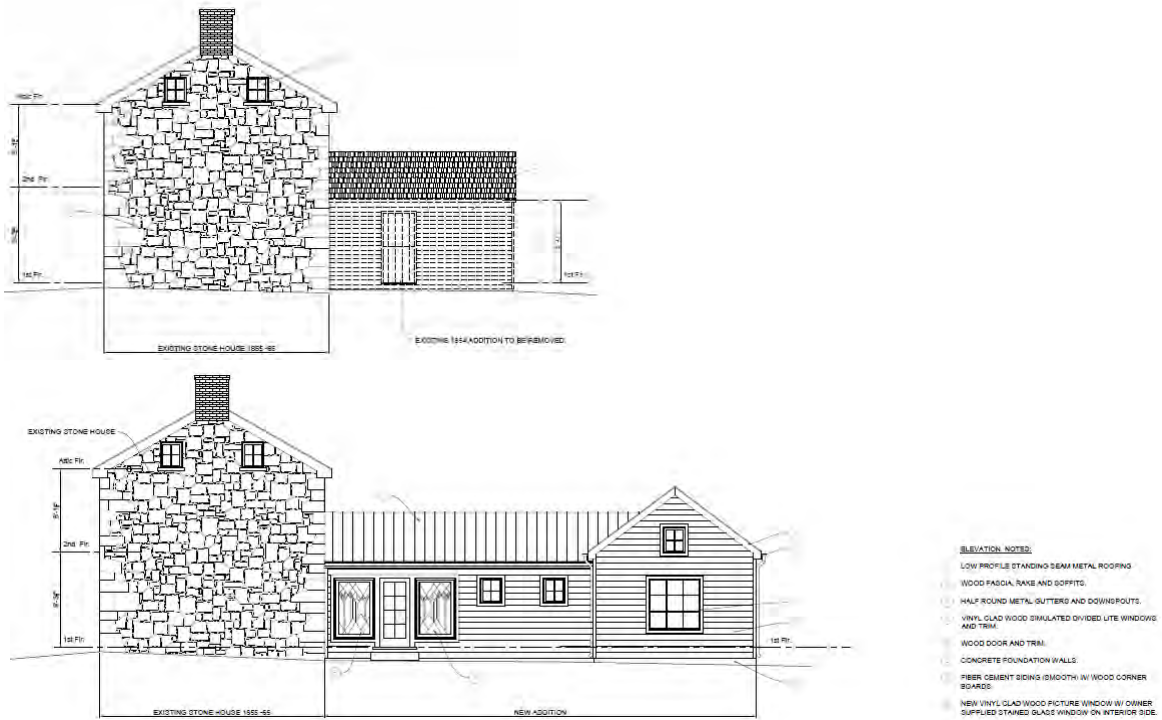


Figure 12: Existing/demo west elevation (above) and proposed west elevation (below).

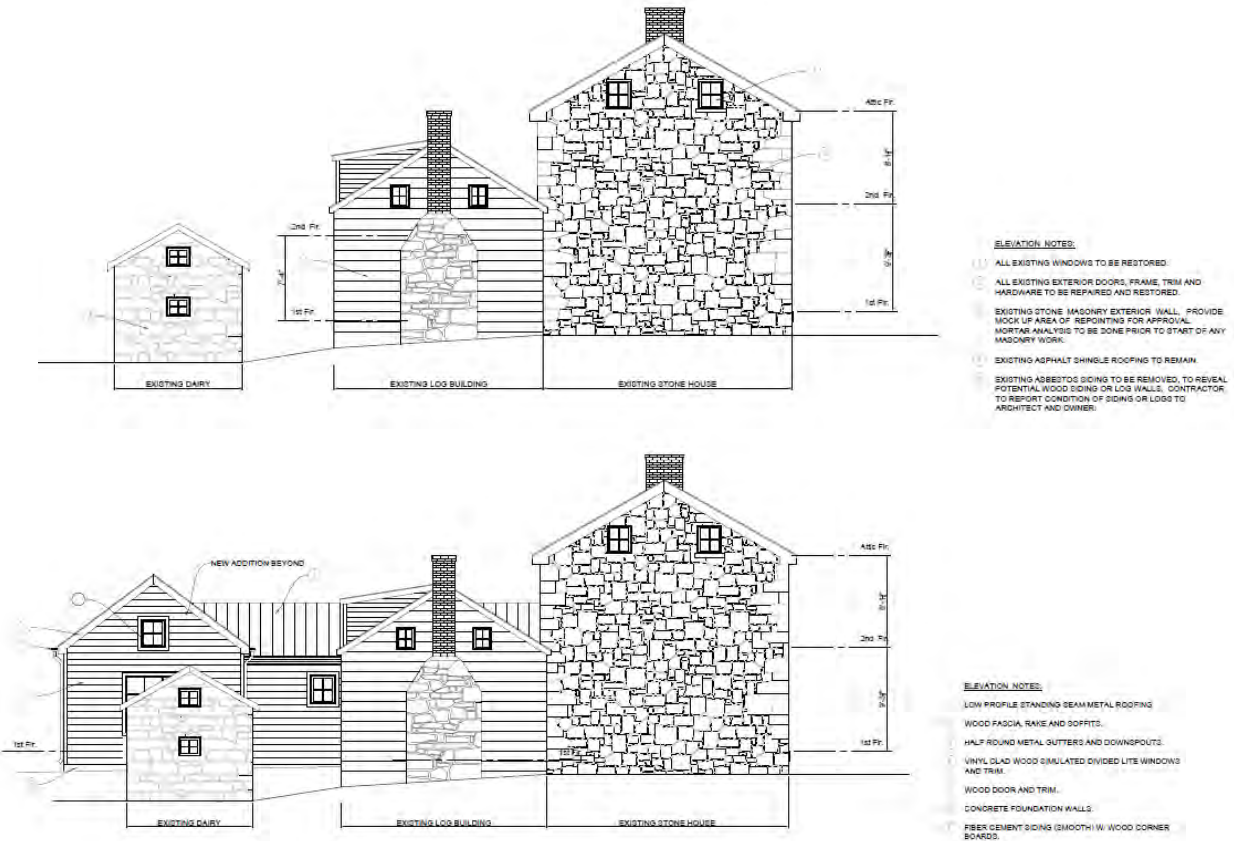


Figure 13: Existing/demo east elevation (above) and proposed east elevation (below).

The application also calls for restoration work to the historic stone house, log kitchen, and dairy building. This work includes window and door restoration, stone repointing, removal of the asbestos siding on the log kitchen and restoration of the log walls or wood siding underneath, all of which comply with *Standard 6*. Staff notes that much of the restoration work would qualify as an in-kind replacement and not require a Historic Area Work Permit, and are eligible expenses for the County's historic preservation rehabilitation tax credit.

STAFF RECOMMENDATION

Staff recommends that the Commission **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b)(1) and (2), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the purposes of Chapter 24A;

and with the *Secretary of the Interior's Standards for Rehabilitation* # 2, 6, 9, and 10;

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to HPC staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the HPC as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the HPC staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-495-2167 or laura.dipasquale@montgomeryplanning.org to schedule a follow-up site visit.



APPLICATION FOR HISTORIC AREA WORK PERMIT
HISTORIC PRESERVATION COMMISSION
301.563.3400

FOR STAFF ONLY:
HAWP# 1093105
DATE ASSIGNED

APPLICANT:

Name: E-mail:
Address: City: Zip:
Daytime Phone: Tax Account No.:

AGENT/CONTACT (if applicable):

Name: E-mail:
Address: City: Zip:
Daytime Phone: Contractor Registration No.:

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property

Is the Property Located within an Historic District? Yes/District Name
No/Individual Site Name

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: Street:

Town/City: Nearest Cross Street:

Lot: Block: Subdivision: Parcel:

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- Checklist of work types: New Construction, Addition, Demolition, Grading/Excavation, Deck/Porch, Fence, Hardscape/Landscape, Roof, Shed/Garage/Accessory Structure, Solar, Tree removal/planting, Window/Door, Other.

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent

Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	Owner's Agent's mailing address
Adjacent and confronting Property Owners mailing addresses	

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

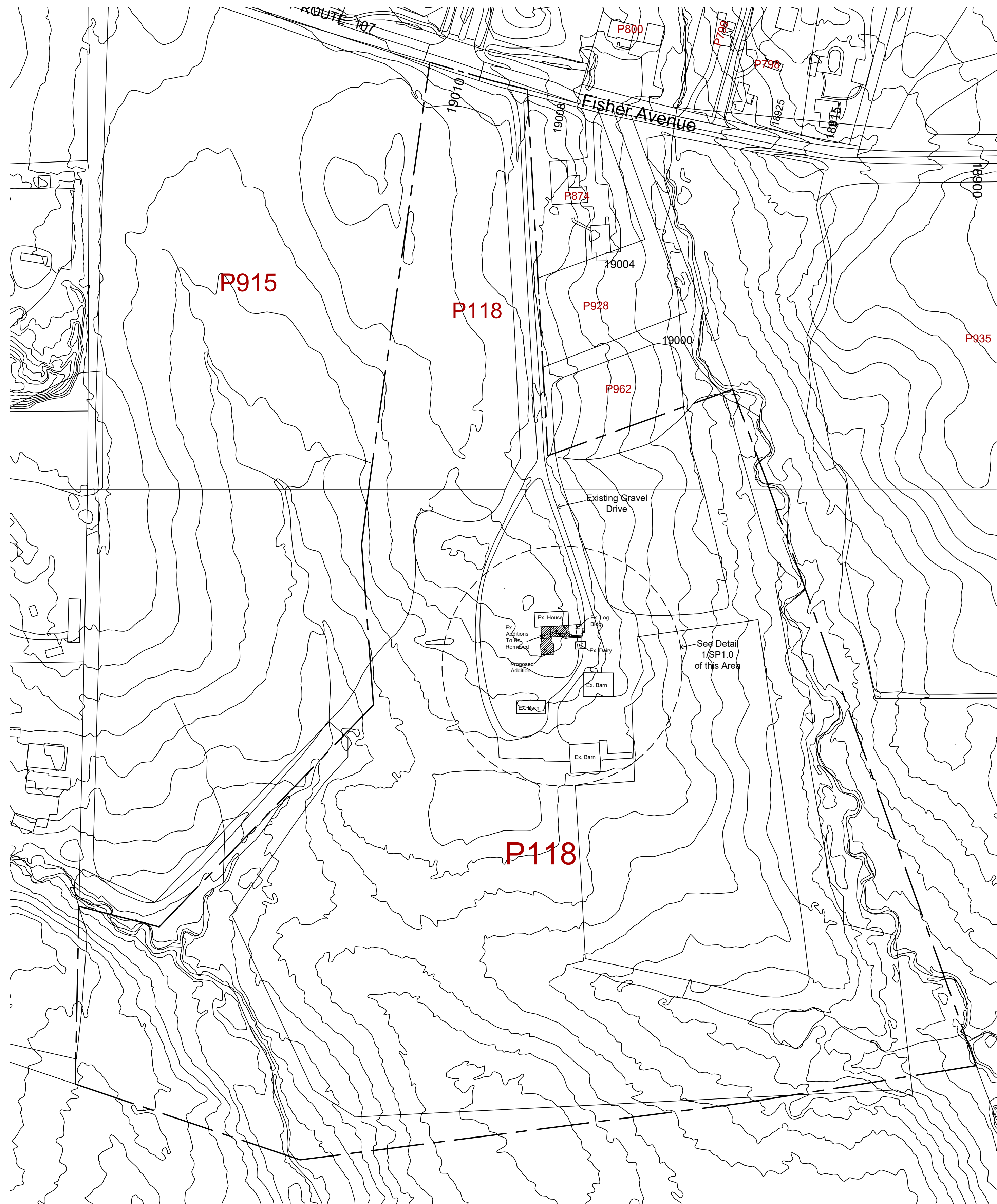
Work Item 1: _____	
Description of Current Condition:	Proposed Work:

Work Item 2: _____	
Description of Current Condition:	Proposed Work:

Work Item 3: _____	
Description of Current Condition:	Proposed Work:

**HISTORIC AREA WORK PERMIT
CHECKLIST OF
APPLICATION REQUIREMENTS**

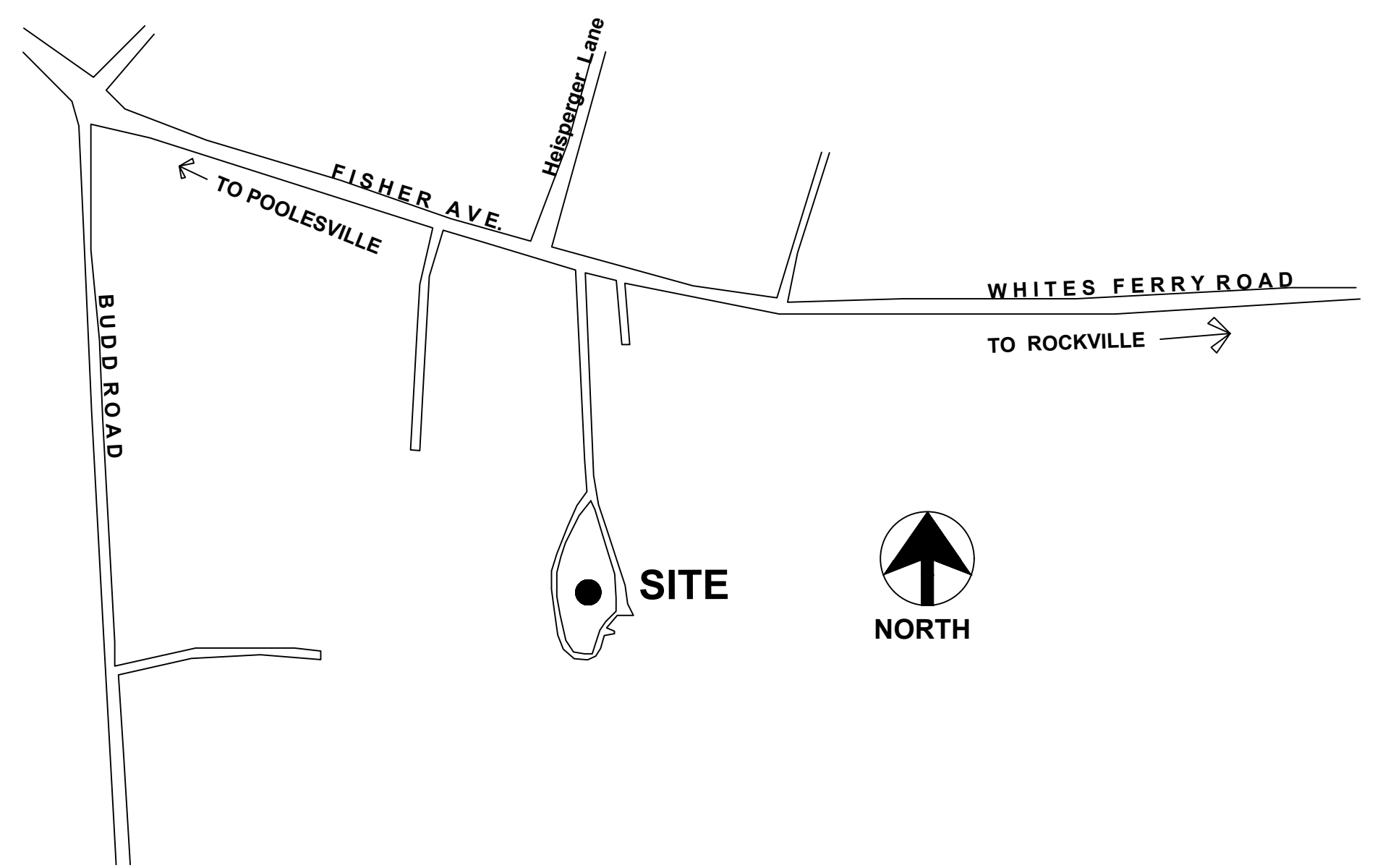
	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Exc avation/Land scaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*



SITE PLAN
1" = 100'

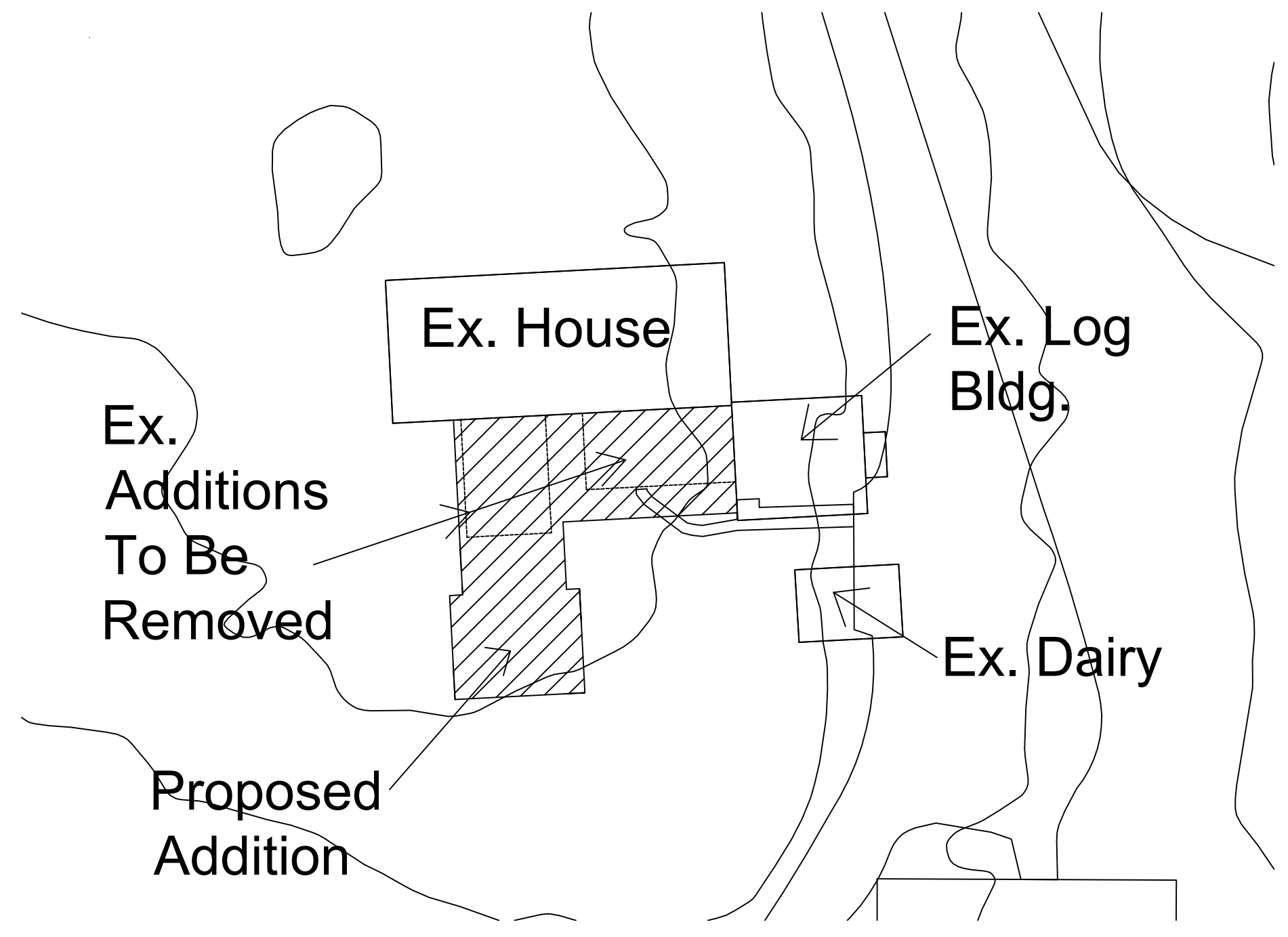
2

SITE PLAN - DETAIL
1" = 20'



VICINITY MAP
NO SCALE

3



1



ARCHITECTS
PLANNERS
HISTORIC
PRESERVATION
THOMAS J. TALTAVULL
ARCHITECT
20650 PLUM CREEK COURT
GAITHERSBURG, MARYLAND 20882
301.840.1847
tom@tjarchitects.com

Professional Certification:
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Expiration Date: 6-13-2026.

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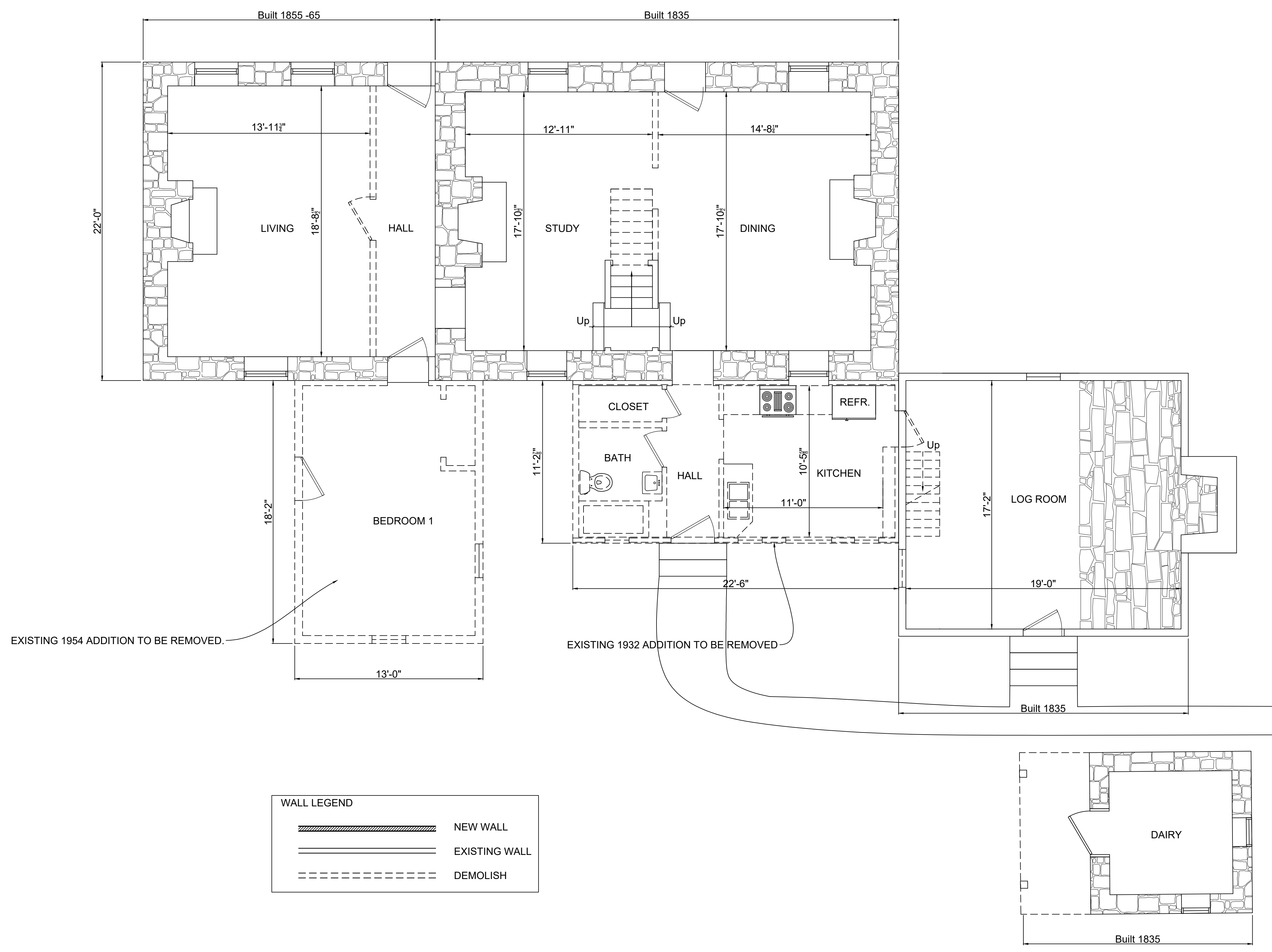
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SITE PLAN

Date: Nov. 11, 2024

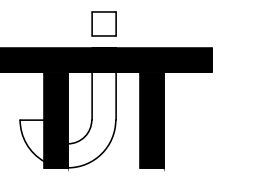
Addition to:
Valhala Residence
Monika Palmore
19010 Fisher Avenue,
Poolesville, Maryland 20837

Drawing Number

SP1.0



WALL LEGEND	
	NEW WALL
	EXISTING WALL
	DEMOLISH



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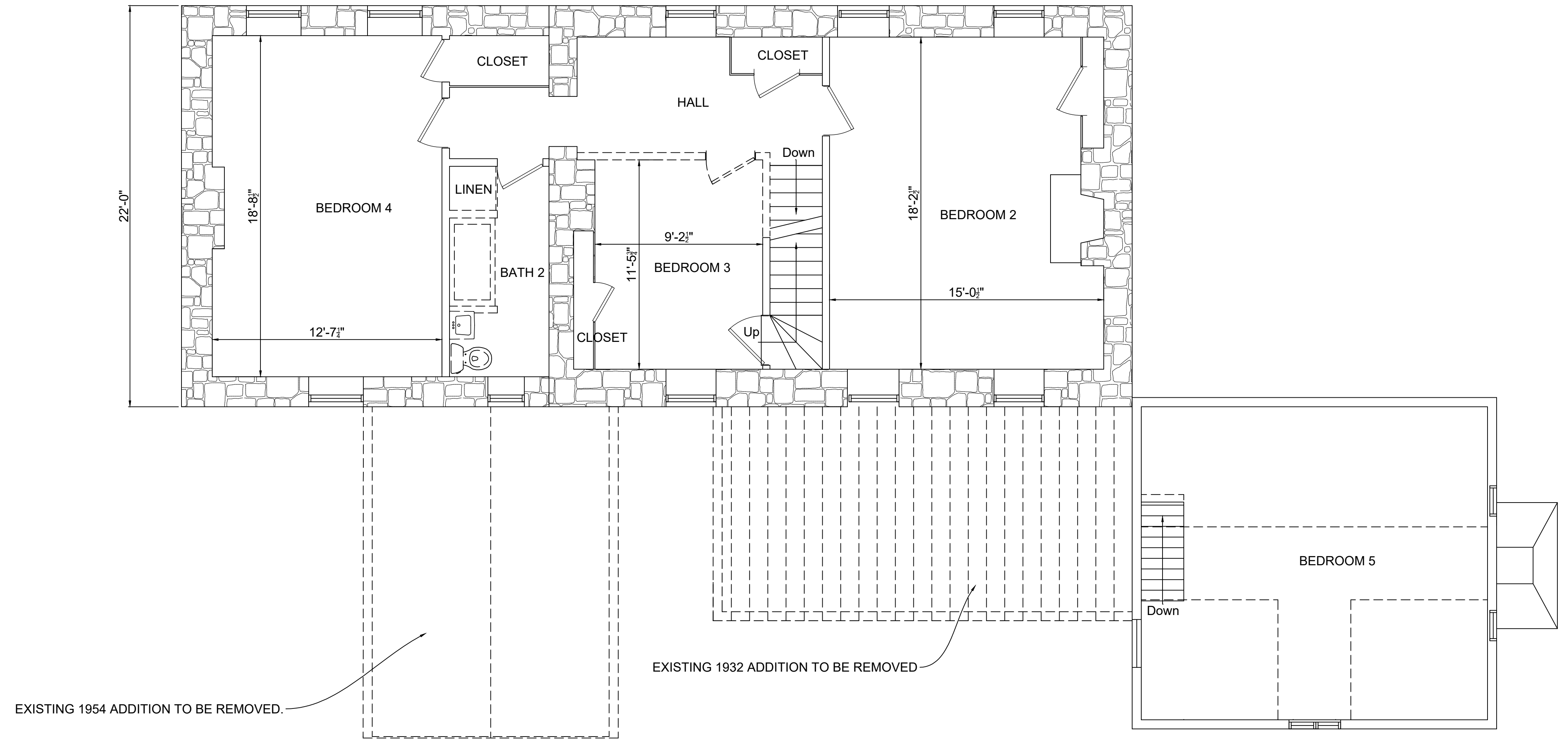
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Date: Nov. 11, 2024

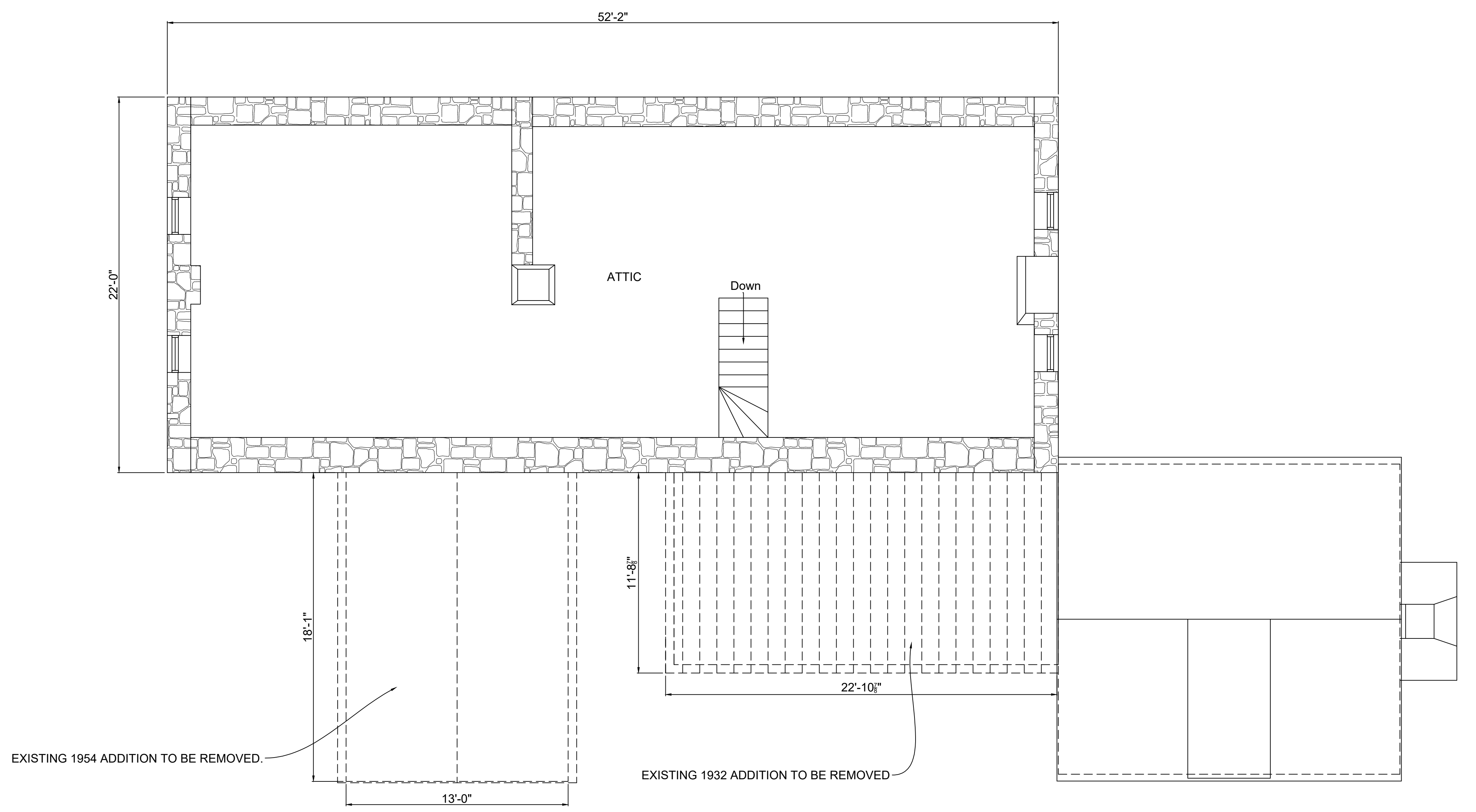
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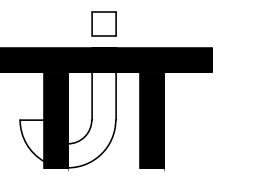
EX1.1



WALL LEGEND	
	NEW WALL
	EXISTING WALL
	DEMOLISH



WALL LEGEND	
	NEW WALL
	EXISTING WALL
	DEMOLISH

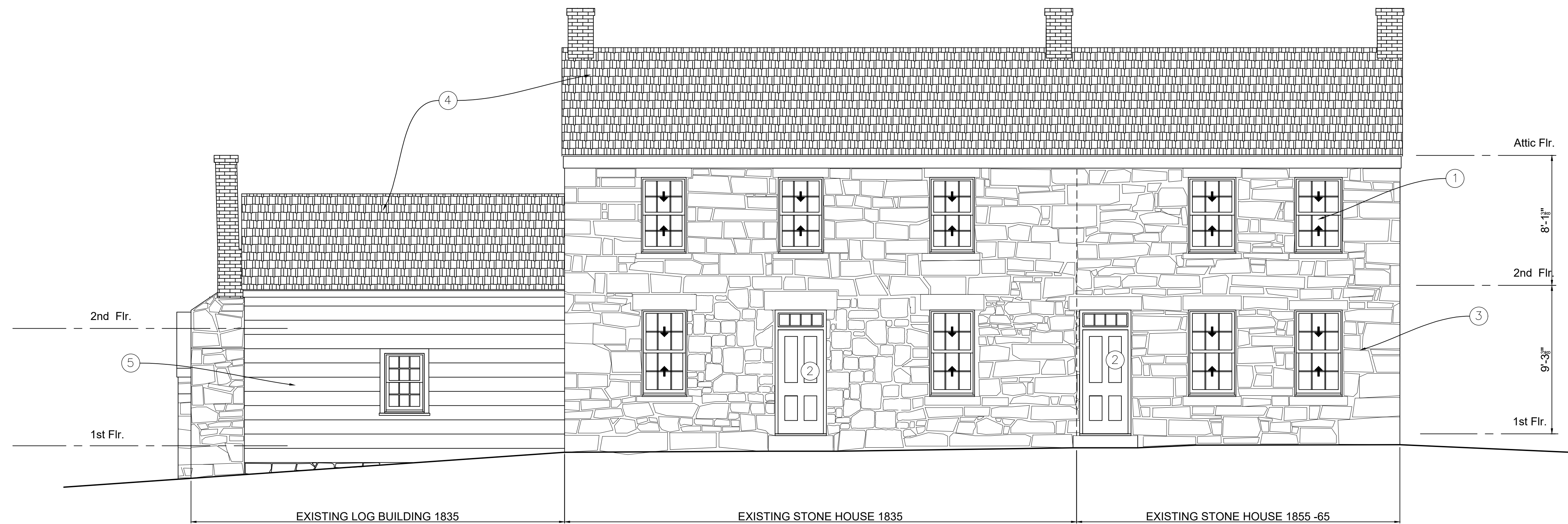


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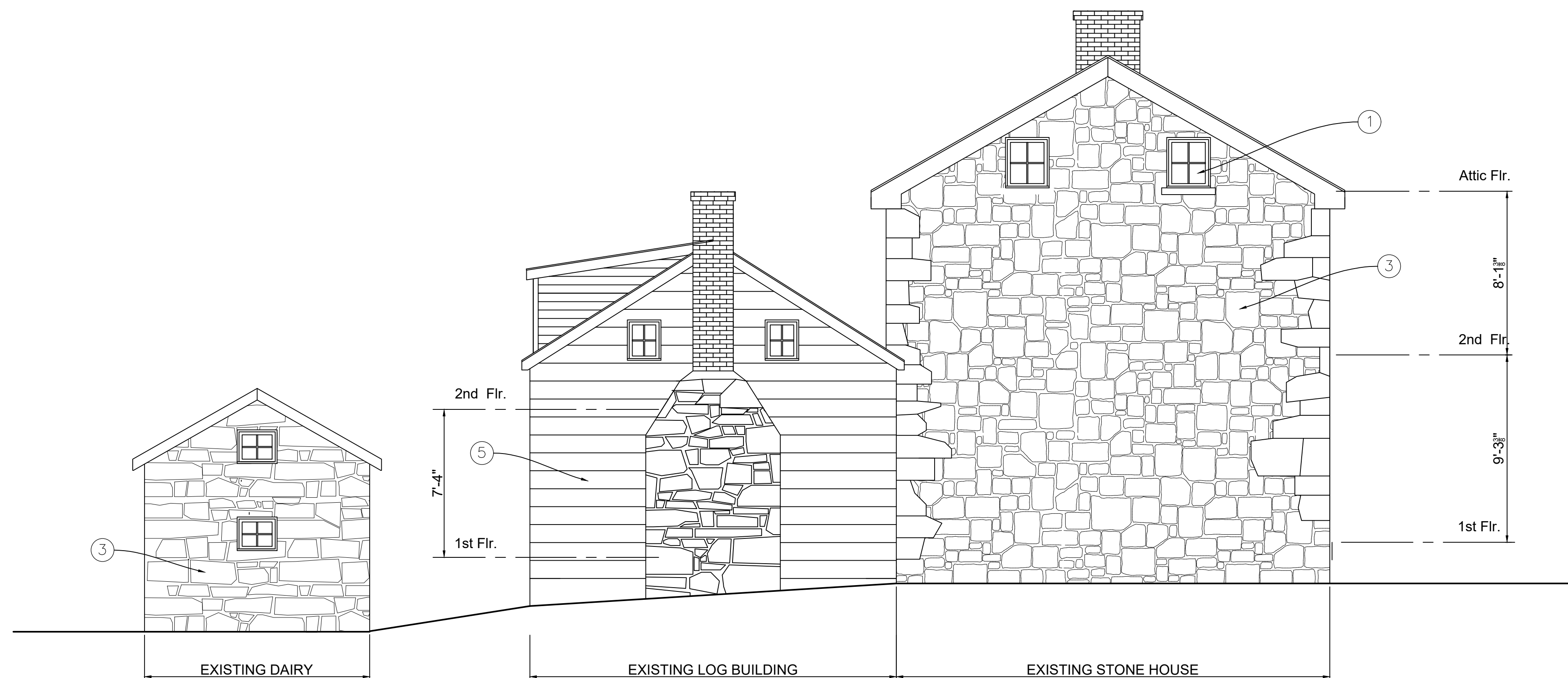
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EXISTING NORTH ELEVATION

1/4" = 1'-0"

2



ELEVATION NOTES:

- ① ALL EXISTING WINDOWS TO BE RESTORED.
- ② ALL EXISTING EXTERIOR DOORS, FRAME, TRIM AND HARDWARE TO BE REPAIRED AND RESTORED.
- ③ EXISTING STONE MASONRY EXTERIOR WALL, PROVIDE MOCK UP AREA OF REPOINTING FOR APPROVAL. MORTAR ANALYSIS TO BE DONE PRIOR TO START OF ANY MASONRY WORK.
- ④ EXISTING ASPHALT SHINGLE ROOFING TO REMAIN.
- ⑤ EXISTING ASBESTOS SIDING TO BE REMOVED, TO REVEAL POTENTIAL WOOD SIDING OR LOG WALLS. CONTRACTOR TO REPORT CONDITION OF SIDING OR LOGS TO ARCHITECT AND OWNER.

EXISTING EAST ELEVATION

1/4" = 1'-0"

1

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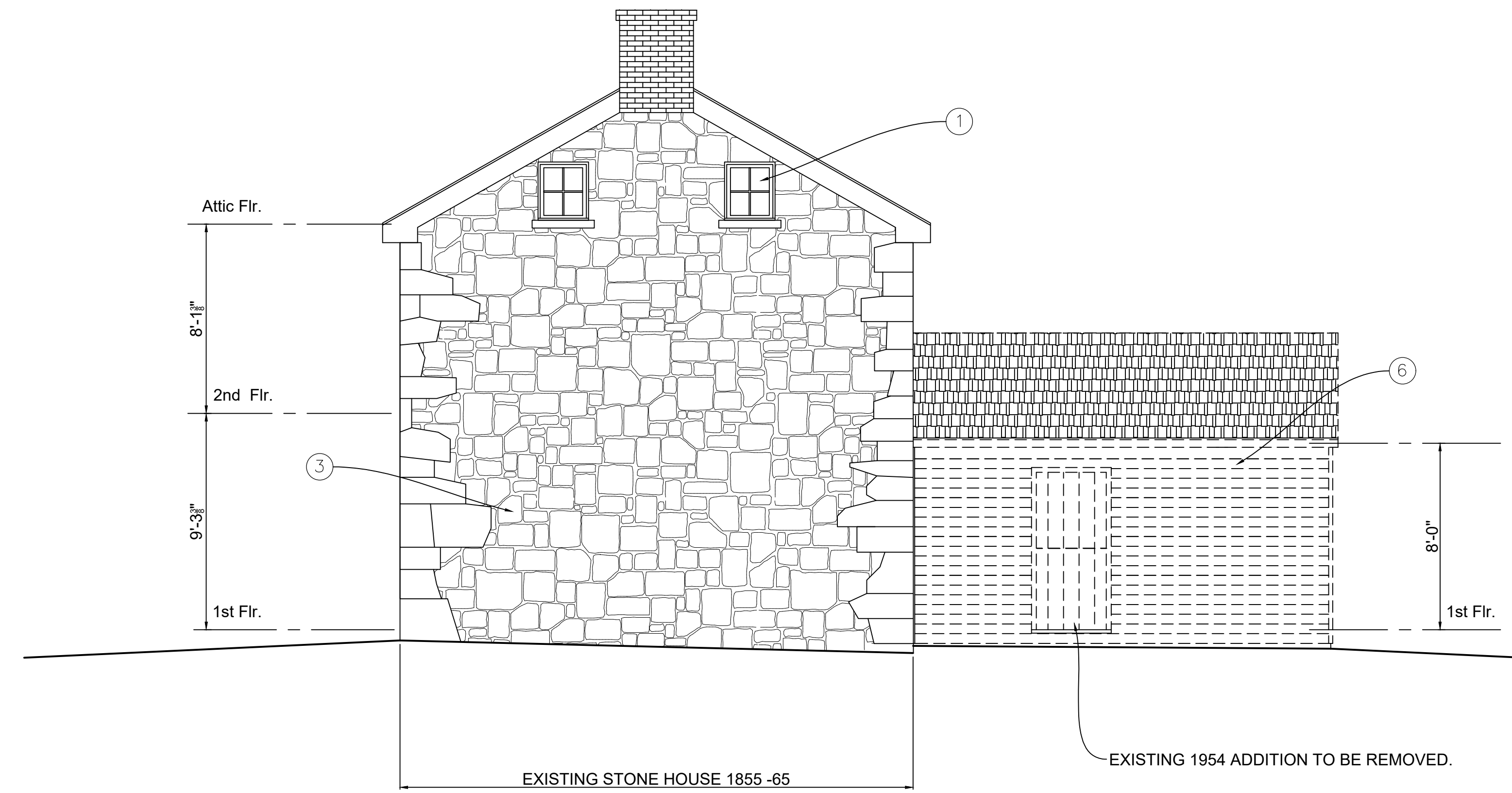
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EXISTING ELEVATIONS

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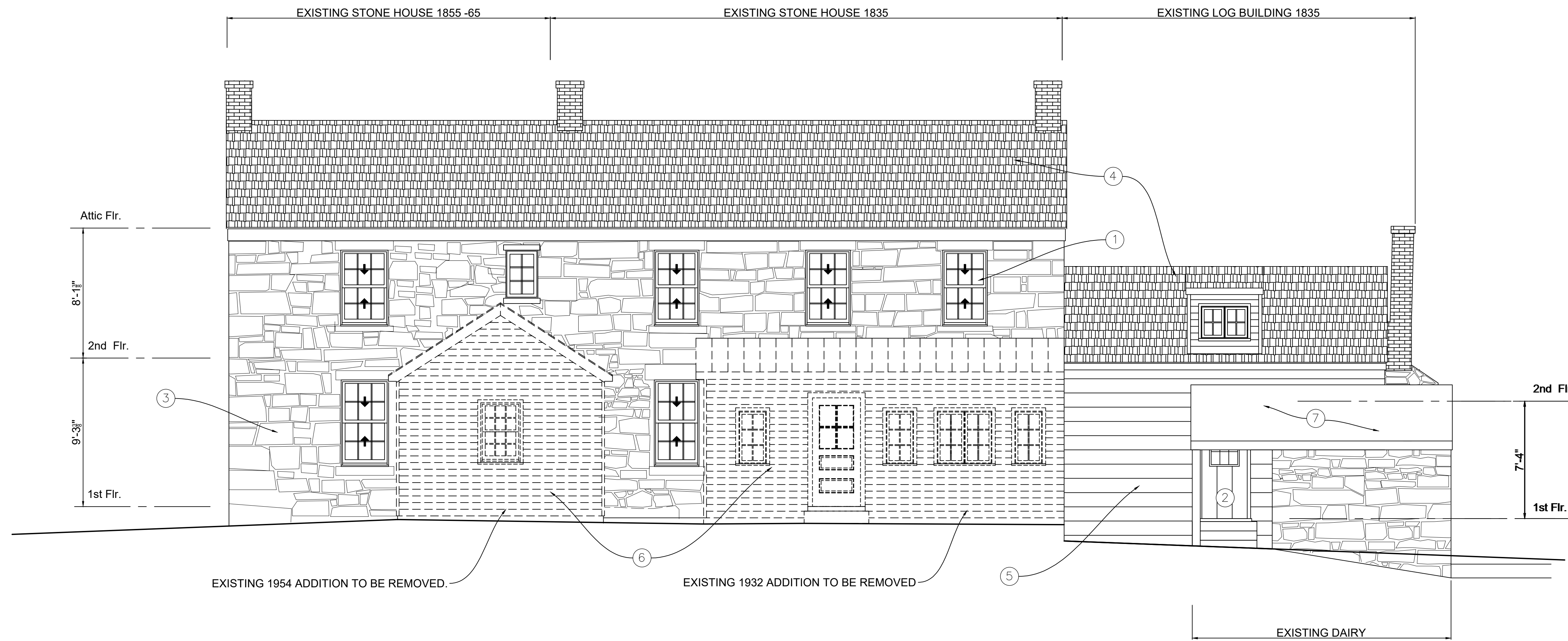
EX 2.0



EXISTING WEST ELEVATION

1/4" = 1'-0"

2



EXISTING SOUTH ELEVATION

1/4" = 1'-0"

1

EXISTING ELEVATION NOTES:

- ① ALL EXISTING WINDOWS TO BE RESTORED.
- ② ALL EXISTING EXTERIOR DOORS, FRAME, TRIM AND HARDWARE TO BE REPAIRED AND RESTORED.
- ③ EXISTING STONE MASONRY EXTERIOR WALL. PROVIDE MOCK UP AREA OF BRICK REPOINTING FOR APPROVAL. MORTAR ANALYSIS TO BE DONE PRIOR TO START OF ANY MASONRY WORK.
- ④ EXISTING ASPHALT SHINGLE ROOFING TO REMAIN.
- ⑤ EXISTING ASBESTOS SIDING TO BE REMOVED, TO REVEAL POTENTIAL WOOD SIDING OR LOG WALLS. CONTRACTOR TO REPORT CONDITION OF SIDING OR LOGS TO ARCHITECT AND OWNER.
- ⑥ EXISTING FRAME ADDITIONS TO BE REMOVED.
- ⑦ EXISTING WOOD SHINGLE ROOFING TO BE REMOVED AND REPLACED IN KIND.

Revisions

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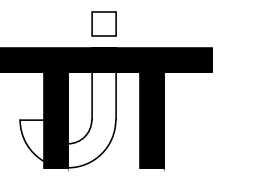
EXISTING ELEVATIONS

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EX 2.1



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PLANNERS
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PRESERVATION

THOMAS J. TALTAVULL
ARCHITECT
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PROPOSED PLANS

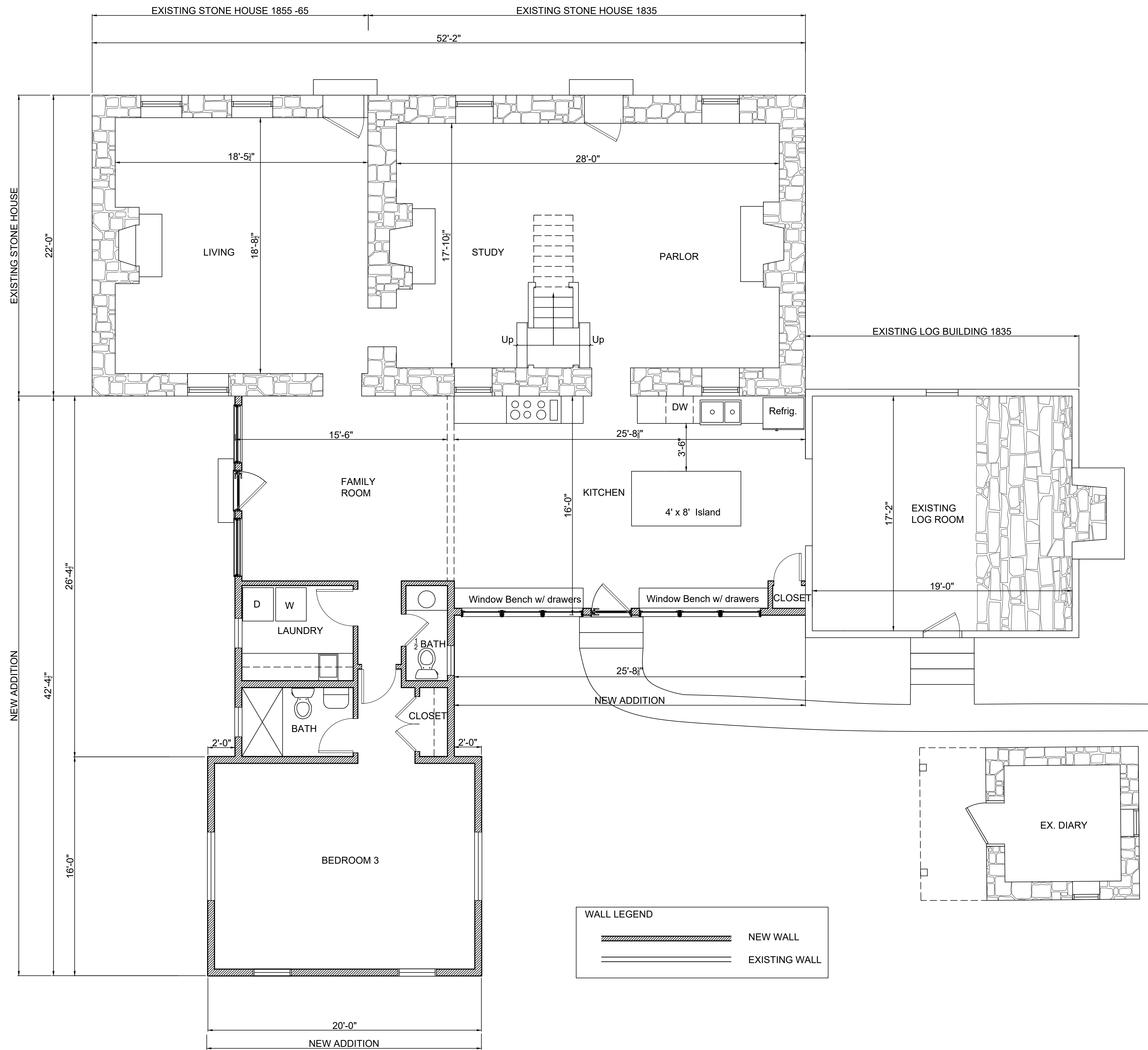
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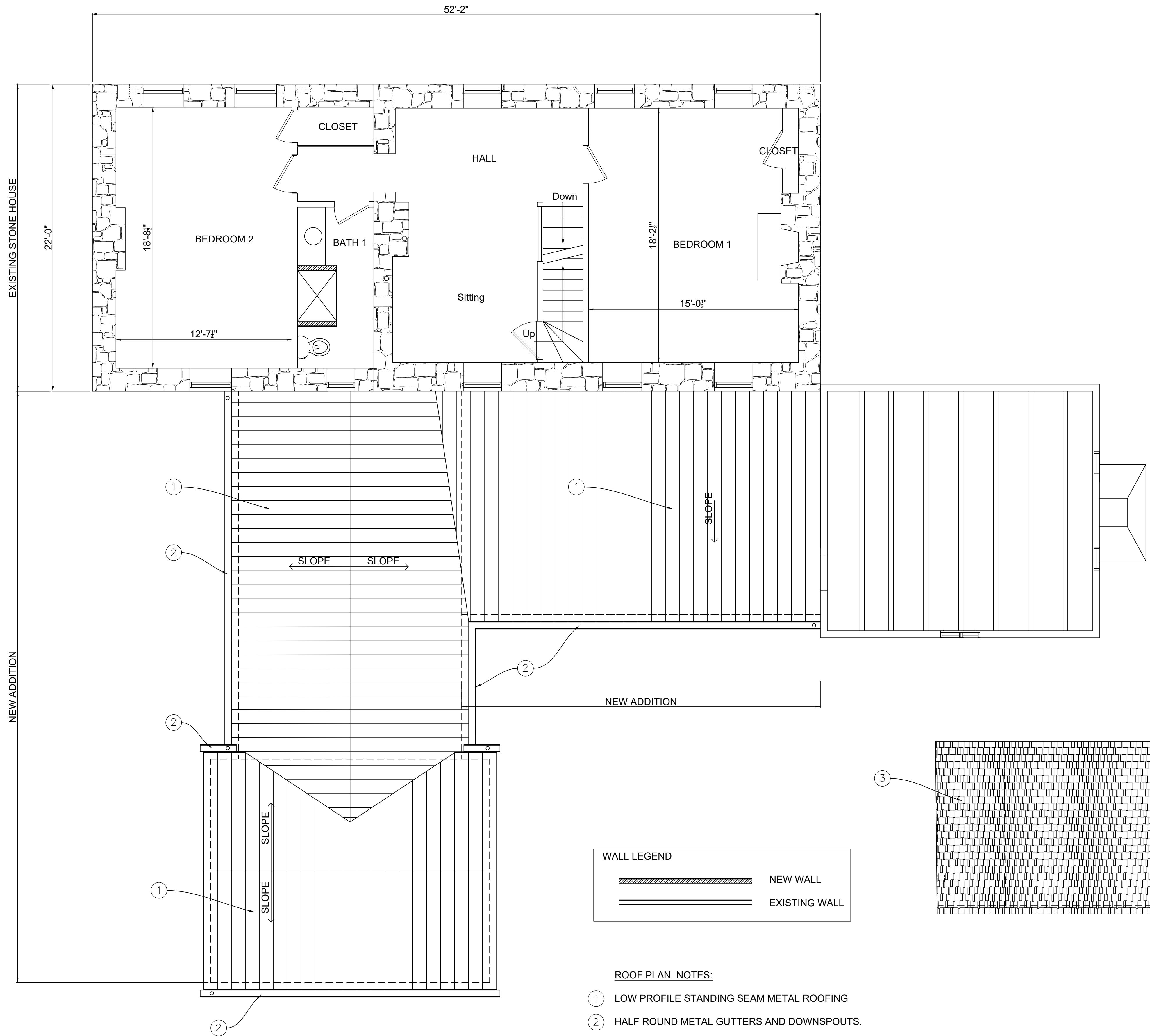
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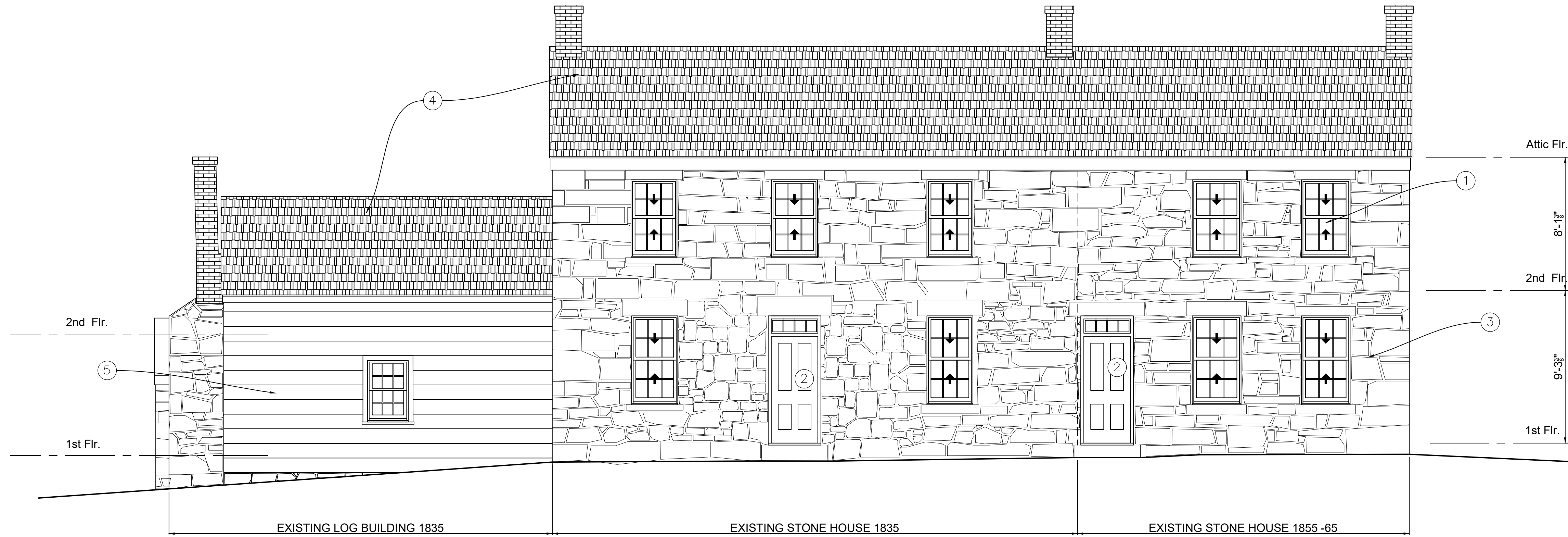
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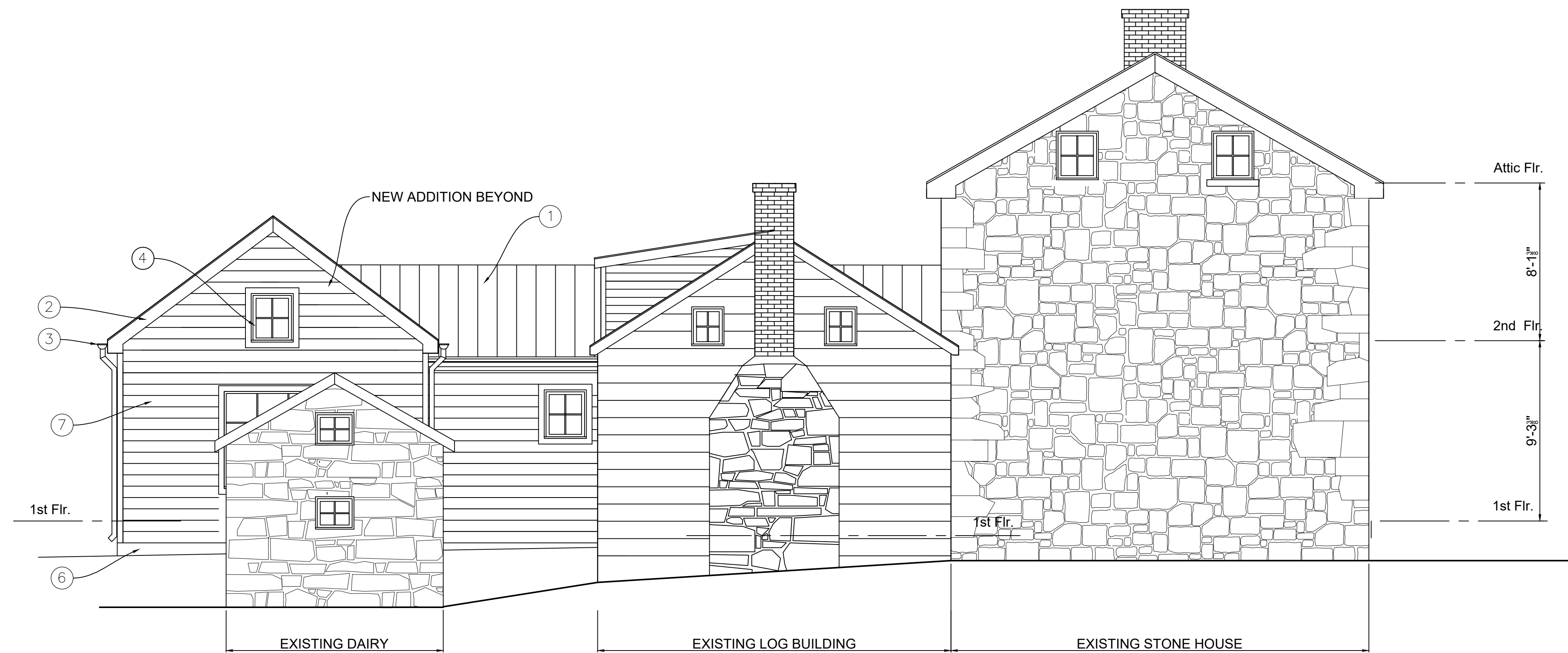


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PROPOSED NORTH ELEVATION

1/4" = 1'-0"

2

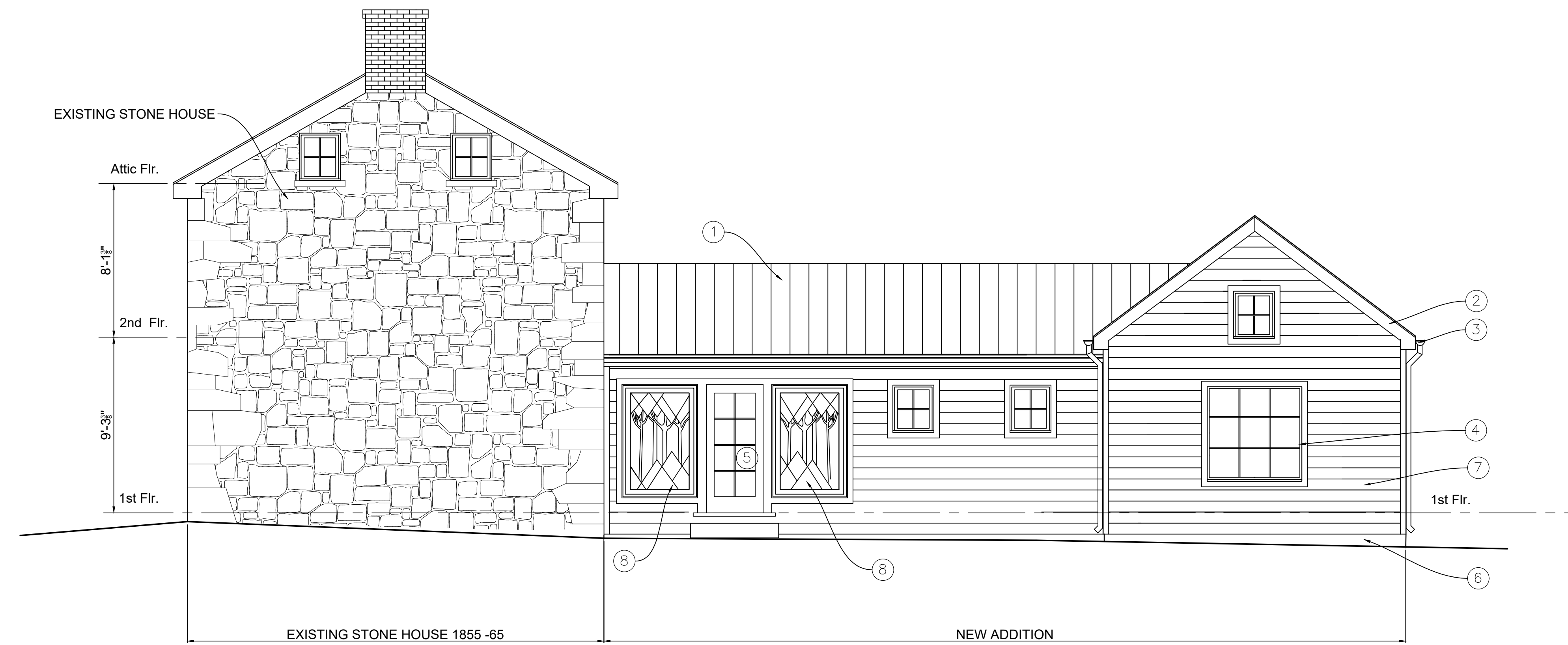


- ELEVATION NOTES:**
- ① LOW PROFILE STANDING SEAM METAL ROOFING
 - ② WOOD FASCIA, RAKE AND SOFFITS.
 - ③ HALF ROUND METAL GUTTERS AND DOWNSPOUTS.
 - ④ VINYL CLAD WOOD SIMULATED DIVIDED LITE WINDOWS AND TRIM.
 - ⑤ WOOD DOOR AND TRIM.
 - ⑥ CONCRETE FOUNDATION WALLS.
 - ⑦ FIBER CEMENT SIDING (SMOOTH) W/ WOOD CORNER BOARDS.

PROPOSED EAST ELEVATION

1/4" = 1'-0"

1

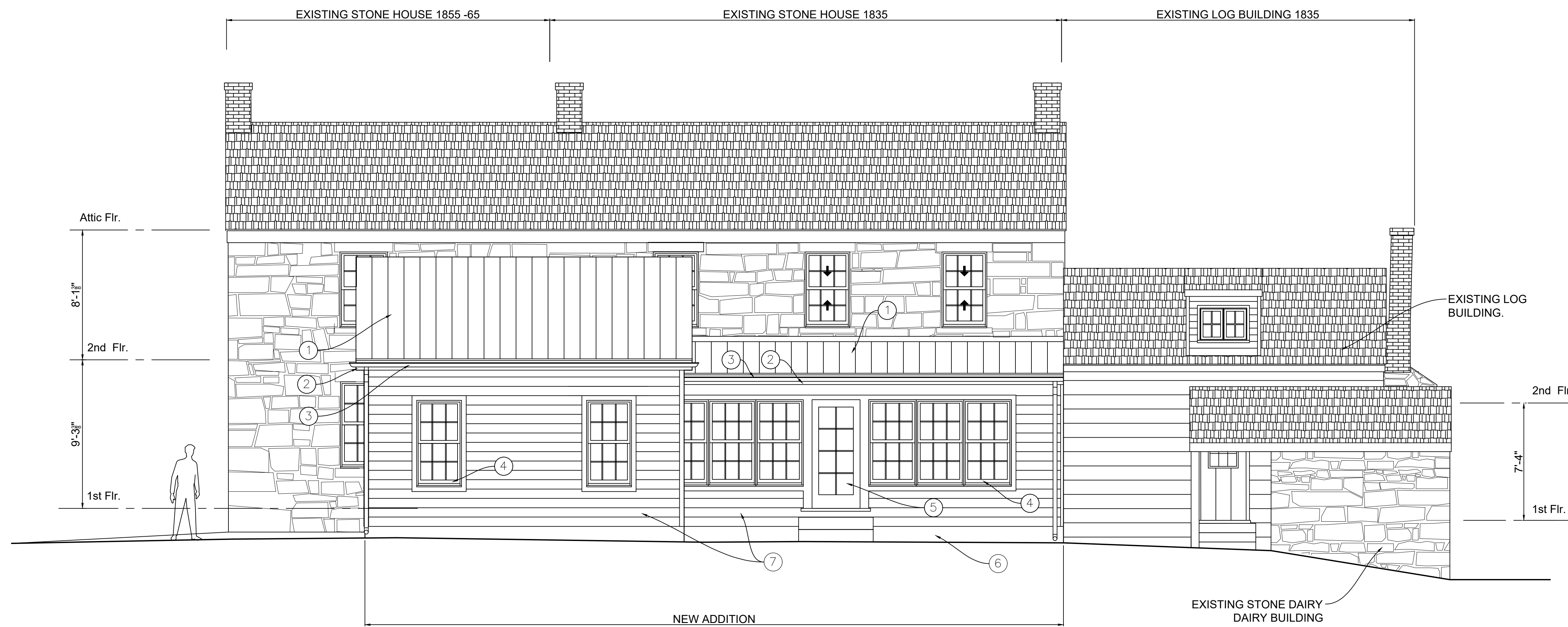


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 - ④ VINYL CLAD WOOD SIMULATED DIVIDED LITE WINDOWS AND TRIM.
 - ⑤ WOOD DOOR AND TRIM.
 - ⑥ CONCRETE FOUNDATION WALLS.
 - ⑦ FIBER CEMENT SIDING (SMOOTH) W/ WOOD CORNER BOARDS.
 - ⑧ NEW VINYL CLAD WOOD PICTURE WINDOW W/ OWNER SUPPLIED STAINED GLASS WINDOW ON INTERIOR SIDE.

PROPOSED WEST ELEVATION

1/4" = 1'-0"

2

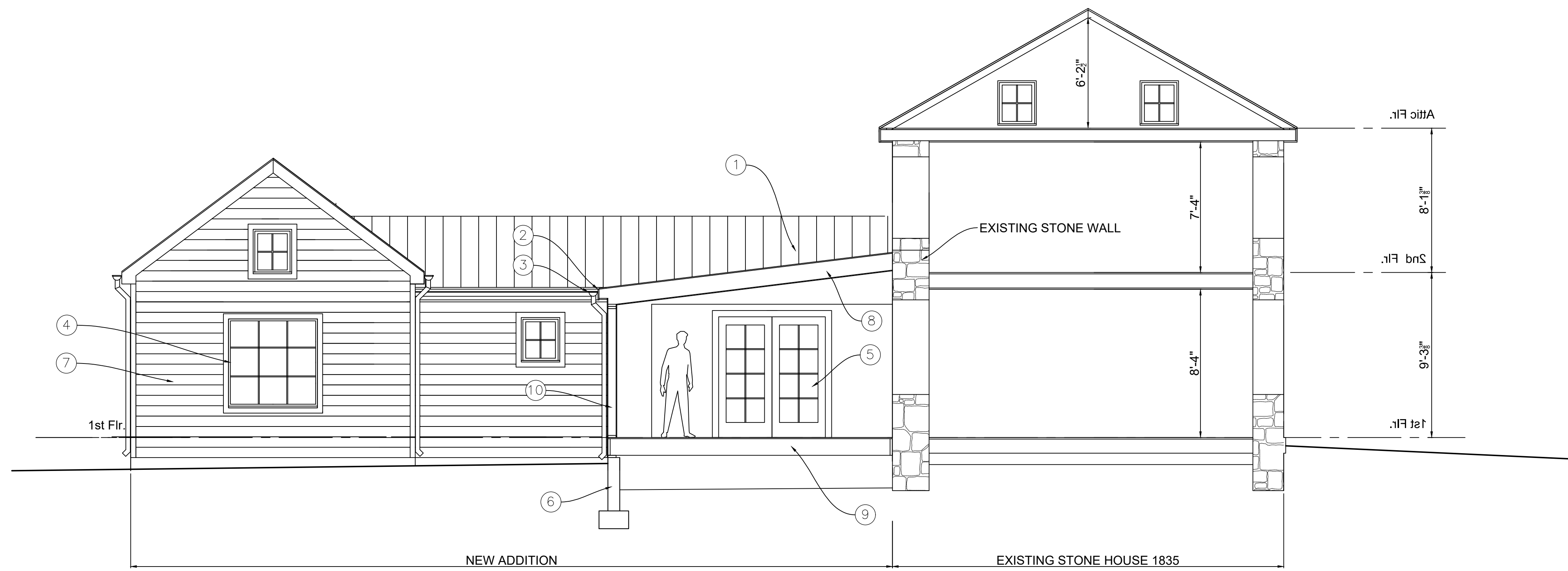


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 - ⑤ WOOD DOOR AND TRIM.
 - ⑥ CONCRETE FOUNDATION WALLS.
 - ⑦ FIBER CEMENT SIDING (SMOOTH) W/ WOOD CORNER BOARDS.

PROPOSED SOUTH ELEVATION

1/4" = 1'-0"

1



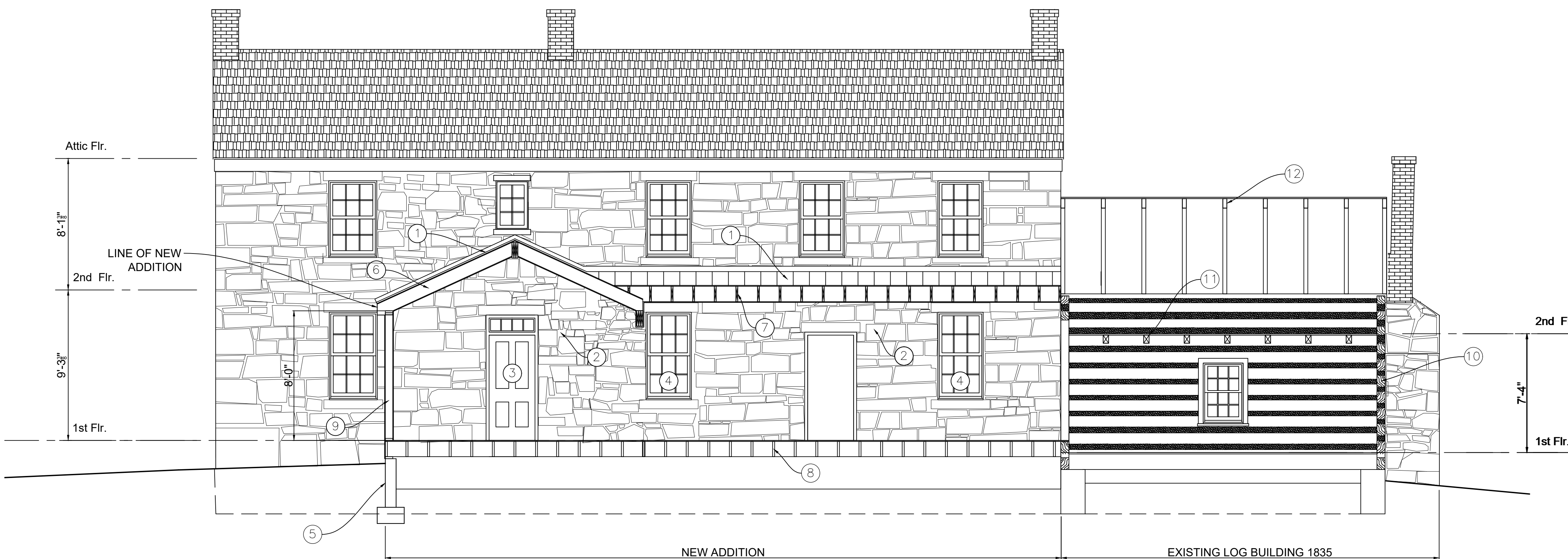
SECTION NOTES:

- ① LOW PROFILE STANDING SEAM METAL ROOFING
- ② WOOD FASCIA, RAKE AND SOFFITS.
- ③ HALF ROUND METAL GUTTERS AND DOWNSPOUTS.
- ④ VINYL CLAD WOOD FULL DIVIDED LITE WINDOWS AND TRIM.
- ⑤ WOOD DOOR AND TRIM.
- ⑥ CONCRETE FOUNDATION WALLS.
- ⑦ FIBER CEMENT SIDING (SMOOTH) W/ WOOD CORNER BOARDS.
- ⑧ 2 x 12 RAFTERS AT 16" oc
- ⑨ 2 x 12 FLOOR JOISTS @ 16" oc
- ⑩ 2 x 6 @ 16" oc STUD WALL

BUILDING SECTION

1/4" = 1'-0"

2



SECTION NOTES:

- ① LOW PROFILE STANDING SEAM METAL ROOFING
- ② EXPOSED EXISTING STONE WALL.
- ③ EXISTING DOOR TO REMAIN.
- ④ EXISTING WINDOW TO REMAIN.
- ⑤ CONCRETE FOUNDATION WALLS.
- ⑥ 2 x 10 RAFTERS AT 16" oc
- ⑦ 2 x 12 RAFTERS @ 16" oc
- ⑧ 2 x 12 FLOOR JOISTS @ 16" oc
- ⑨ 2 x 6 @ 16" oc STUD WALL
- ⑩ EXISTING LOG WALLS
- ⑪ EXISTING 4 x 6 CEILING JOIST TO REMAIN.
- ⑫ EXISTING 3 x 4 RAFTERS TO REMAIN.

BUILDING SECTION

1/4" = 1'-0"

1



Valhala Existing Southeast View



Valhala Proposed Southeast View



Valhala Existing Southwest View



Valhala Proposed Southwest View



Valhala Northeast View 2024



Valhala West View 1855 -65 Stone house 2024



Valhala 1954 Addition West View 2024



Valhala 1954 Addition South View 2024



Valhala 1932 Addition South View 2024



Valhala 1835 Log Building South View 2024



Valhala 1935 Dairy Bldg West View 2024



Valhala 1835 Dairy Bldg East View 2024



Valhala 1835 Log Bldg. East View 2024



Valhala 1835 Stone House East View 2024



TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

- Tables of Sizes 78-81
- Specifications 79-83
- Custom Sizes 84
- Grille Patterns 85
- Window Details 85-86
- Joining Details 86
- Narroline® Conversion Kit 87
- Combination Designs 181
- Product Performance 197

CUSTOM SIZING
in 1/8" (3) increments 

Dimensions in parentheses are in millimeters.

TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

FEATURES

FRAME

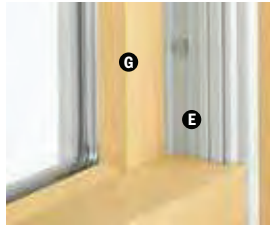
A Exterior outer frame members are covered with a Perma-Shield® rigid vinyl cladding, minimizing maintenance and providing an attractive appearance.

B For exceptional long-lasting* performance, sill members are constructed with a wood core and a Fibrex® material exterior. Sill ends are protected and sealed with weather-resistant covers.

C Natural wood stops are available in pine, and prefinished white, dark bronze and black.**

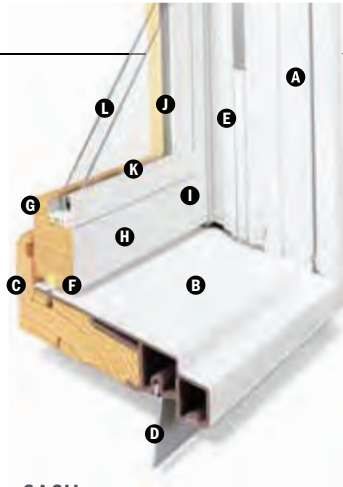
D A factory-applied rigid vinyl anchoring flange on the head, sill and sides of the outer frame helps secure the unit to the structure.

E An extruded rigid vinyl jamb liner and fin provide a protective seal against the outer frame members. Exclusive slide wash assists make it easy to tilt the sash into wash mode position.



Unique block-and-tackle balancers feature sized-to-the-unit, rust-resistant springs that require no adjustment. Glass-reinforced nylon balancer shoes provide smooth, reliable sash operation. Sash can be removed, without tools, for drywall pass-through. Jamb liners are available in white or gray, and must be specified when ordering. Contact your Andersen supplier for details.

F Weatherstrip throughout the unit provides a long-lasting, energy-efficient, weather-resistant seal. For the top and bottom rails, an encased foam material is used. The head jamb liner and sill have a rigid vinyl rib that the weatherstrip material compresses against. At the meeting rail, compressible vinyl bulb material is used. Side jamb liners use leaf-type weatherstrip with foam inserts.



SASH

Wash assists make it easy to tilt the sash into wash mode.

G Wood sash members are treated with a water-repellent preservative for long-lasting* protection and performance. Interior surfaces are unfinished pine. Low-maintenance prefinished white interiors are also available.

H A polyester-stabilized coat with a Flexacron® finish is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous finish.

I Sash joints simulate the look of traditional mortise-and-tenon construction inside and out.

GLASS

J In addition to stainless steel glass spacers, black or white glass spacers are now available to allow the spacer to blend in with the unit color.

K Silicone bed glazing provides superior weathertightness and durability.

L High-Performance options include:

- Low-E4® glass
- Low-E4 HeatLock® glass
- Low-E4 SmartSun™ glass
- Low-E4 SmartSun HeatLock glass
- Low-E4 Sun glass

Tempered 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 12 for more details.

*Visit andersenwindows.com/warranty for details.

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

†Flexacron® is a registered trademark of PPG Industries, Inc.

Dimensions in parentheses are in millimeters.

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

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS



INTERIOR OPTIONS



HARDWARE



Standard Lock & Keeper

Black | Gold Dust | **Stone** | White

Stone is standard with natural interior units. White comes with prefinished white interiors. Other finishes optional.

OPTIONAL HARDWARE Sold Separately



Lock & Keeper

ESTATE™

Antique Brass | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | **Satin Nickel**

Optional Estate lock and keeper reduces the clear opening height by 1/16" (14). Check with local building code officials to determine compliance with egress requirements.



Bar Lift

CONTEMPORARY

Antique Brass | Black | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Gold Dust
Oil Rubbed Bronze | Polished Chrome
Satin Nickel | Stone | White



Bar Lift

TRADITIONAL



Hand Lift

Finger Lifts

Antique Brass | Black | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Gold Dust | **Oil Rubbed Bronze**
Polished Chrome | Satin Nickel | Stone | White

Bold name denotes finish shown.

HARDWARE FINISHES



StormWATCH
PROTECTION

400 Series tilt-wash double-hung full-frame windows are available with Stormwatch® Protection. Visit andersenwindows.com/coastal for more details.

Performance Grade (PG) Upgrades

A high inside sill stop* with exterior sill brackets and hidden interior brackets is available to provide additional structural support for tilt-wash windows, allowing standard, non-impact glass units to achieve higher performance grade ratings. Performance Grade (PG) ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. For up-to-date performance information of individual products, please visit andersenwindows.com. Use of this option will subtract 5/8" (15) from the clear opening height. PG Upgrade not available for 72" (1829) and 76" (1930) heights. Contact your Andersen supplier for availability.

SASH OPTIONS



Cottage

Reverse Cottage

ACCESSORIES Sold Separately

FRAME

Extension Jamb



Standard jamb depth is 4 1/2" (114). Extension jambs are available in unfinished pine or prefinished white. Some sizes may be veneered.

Factory-applied and non-applied interior extension jambs are available in 1/16" (1.5) increments between 5 1/4" (133) and 7 1/8" (181). Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

Pine Stool



A clear pine stool is available and ready for finishing. The tilt-wash stool is available in 4 9/16" (116) for use in wall depths up to 5 1/4" (133), and 6 9/16" (167) for use in wall depths up to 7 1/8" (181). Works with 2 1/4" (57) and 2 1/2" (64) casing widths.

HARDWARE

Window Opening Control Device



A recessed window opening control device is available factory applied. It limits the sash travel to less than 4" (102) when the window is first opened. Available in white, stone and black. A field-applied window opening control device kit is also available.

STORM/INSECT SCREEN COMBINATION UNIT**



A self-storing storm window combined with an insect screen provides greater energy efficiency, while allowing ventilation when needed.

Constructed with an aluminum frame, single-pane upper and lower glass panels, and charcoal powder-coated aluminum screen mesh. Available in white, Sandtone and Terratone to match product exteriors. Canvas, dark bronze, forest green and black are available by special order.

Combination units can improve Sound Transmission Class (STC) and Outdoor Indoor Transmission Class (OITC) ratings. Ideal for projects near airports, busy roadways or other noisy environments. For example, adding a combination unit to a 400 Series tilt-wash double-hung (3862) unit with Low-E4® glass will improve its STC rating from 26 to 32. Contact your Andersen supplier for additional STC and OITC rating information.

GLASS

Andersen® Art Glass

Available for 400 Series tilt-wash transom and picture units. Andersen art glass panels come in a variety of original patterns. See art glass section starting on page 173 for more information or visit andersenwindows.com/artglass.

INSECT SCREENS

Insect Screen Frames



Full and half insect screens are available for most unit sizes. Frame colors match product exteriors. Half insect screen (shown above) allows ventilation without affecting the view through the upper sash. Not available on windows with Stormwatch Protection.

TruScene® Insect Screens

Andersen TruScene insect screens let in over 25% more fresh air† and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects.

Conventional Insect Screens

Conventional insect screens have charcoal powder-coated aluminum screen mesh.

GRILLES

Grilles are available in a variety of configurations and widths. For double-hung grille patterns, see page 85.

EXTERIOR TRIM

Available with Andersen exterior trim. See exterior trim section starting on page 175.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-based or latex paint.
- Do not paint 400 Series windows in white, canvas, Sandtone, dark bronze, forest green or black exterior colors.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Do not paint weatherstrip.
- Creosote-based stains should not come in contact with Andersen products.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.

*Infringes on the overall net clear opening. Unit clear operable area may not meet egress requirements. See your local building code official for more information.

**Do not add combination units to windows with Low-E4 Sun glass unless window glass is tempered. Combination units may also reduce the overall clear operable area of the window. See your local code official for egress requirements in your area.

†TruScene insect screens let in over 25% more fresh air than standard Andersen fiberglass insect screens.

Dimensions in parentheses are in millimeters.



FRENCHWOOD[®] HINGED INSWING PATIO DOORS

Table of Sizes	152-153
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Joining Details	158
Combination Designs	181
Product Performance	197

CUSTOM SIZING
in 1/8" (3) increments 

Dimensions in parentheses are in millimeters.

FRENCHWOOD® HINGED INSWING PATIO DOORS

FEATURES

FRAME

A The sill is made with three-piece construction. The subsill is made of Fibrex® material, and the sill step is solid oak. The exterior sill member is made of extruded aluminum with an attractive wear-resistant, heat-baked finish in neutral gray. This combination of materials combines durability and low maintenance with excellent insulating characteristics.

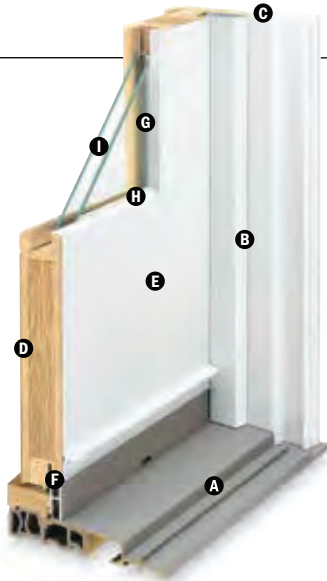
B All basic exterior frame members are fiberglass reinforced composite, which maintains an attractive appearance while minimizing maintenance.

C The exterior frame members are attached to a water-repellent preservative-treated wood subframe for long-lasting* protection and performance. The subframe is grooved to accept extension jambs.

PANEL

D Panel interior surfaces are unfinished pine veneer. Unfinished maple or oak veneers are available as options. Low-maintenance prefinished white interiors are also available.

Hinged inswing operating panels are left-hand active, right-hand active or two-panel active-passive jamb hinged.



E The exterior of the wood door panel is protected with a long-lasting* urethane base finish available in white, Sandtone, Terratone and forest green.

F A factory-applied, one-piece compression-type rubber weatherstrip continues in one plane around the panel to provide maximum effectiveness against water and air infiltration. Corners of the weatherstrip are welded to eliminate gaps between the panel and the frame/sill shoulder.

Mortise-and-Tenon Joints



Mortise and tenon joints prevent panel sag and maintain smooth operation.

I High-Performance options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass
- Low-E4 Sun tempered glass

Additional 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 options are available. See page 12 for more details.

GLASS

G In addition to stainless steel glass spacers, black or white glass spacers are now available to allow the spacer to blend in with the unit color.

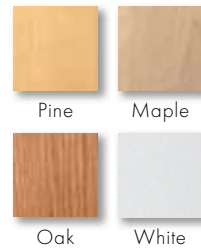
H Panels are silicone bed glazed and finished with an interior wood stop.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS

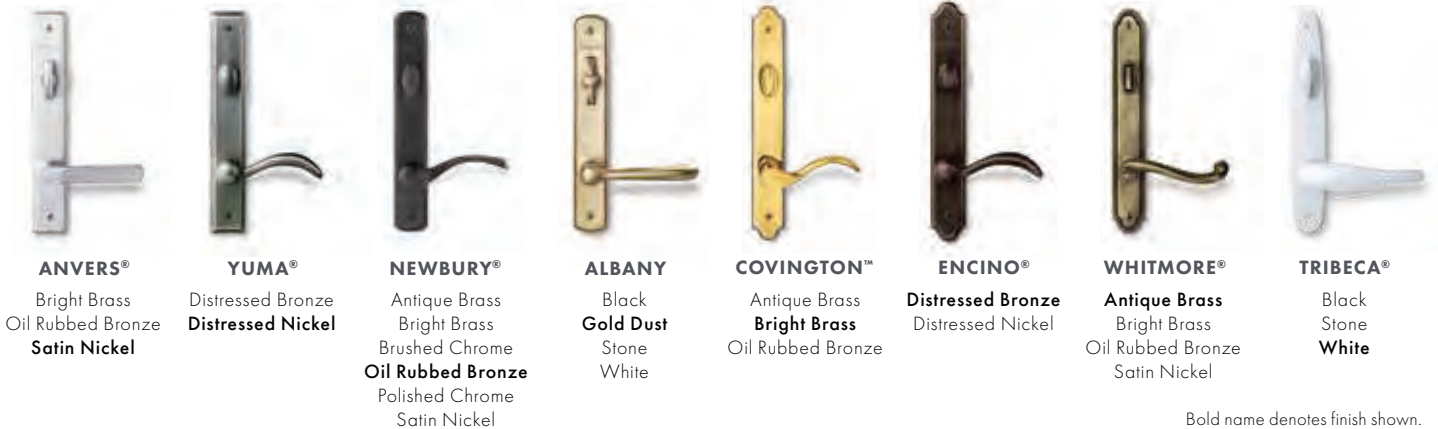


INTERIOR OPTIONS



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified. Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

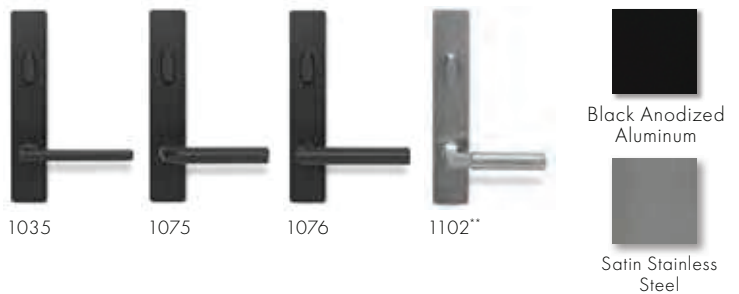
HARDWARE OPTIONS Sold Separately



HARDWARE FINISHES



FSB® HARDWARE & FINISHES



*Visit andersenwindows.com/warranty for details.

**FSB style 1102 is not available in black anodized aluminum.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co. Matching hinges are available for inswing patio doors.

Mix-and-match interior and exterior style and finish options are available; excludes FSB hardware.

Bright brass and satin nickel finishes feature a 10-year limited warranty.

Tribeca and Albany hardware are zinc die cast with powder-coated durable finish. Other hardware is solid forged brass.

Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

Blinds-Between-the-Glass



Blinds-between-the-glass are available for select hinged patio door sizes when ordered with Low-E4[®] tempered glass, and a pine or prefinished white door interior and any of our four exterior colors. White 1/2" (13) aluminum slat blinds come mounted between two panes of insulated glass in a dust-free environment. Blinds are magnetically controlled and can be tilted, raised and lowered using low-profile controls. Smooth, simple operation allows for customized light and privacy control. Available in 2768, 27611, 3168, 31611, 5068, 50611, 6068, 60611, 9068 and 90611 door sizes.

HARDWARE

Hinges

Adjustable hinges are standard on inswing patio doors and have ball-bearing pivots for smooth, frictionless movement. Feature easy horizontal and vertical adjustment, plus quick-release for easy panel removal. The release feature is ideal for transporting large units up stairs or to other hard-to-reach areas. Gold dust finish is standard on wood interior doors. For units with prefinished white interior, white is standard. Also available in finishes that coordinate with the hardware.

Multi-Point Locking System



The multi-point locking system, with a hook bolt above and below the center dead bolt, provides a weathertight seal and enhanced security.

ACCESSORIES Sold Separately

FRAME

Interior Extension Jamb

Standard jamb depth is 4 9/16" (116). Pine, maple and oak veneers, or prefinished white extension jambs are available in 1/16" (1.5) increments between 5 1/16" (129) and 7 1/8" (181). Interior extension jambs on inswing units will restrict the full opening of the door.

Exterior Extension Jamb*

Exterior extension jamb system is available for the following wall thicknesses: 5 1/4" (133), 6 9/16" (167) and 7 9/16" (192). In walls over 4 1/2" (114), the exterior sill extender and exterior extension jamb system allows the unit to be installed flush to the interior, so the hinged doors will open flat against the interior wall. Color matched to the exterior of the finished unit, this system provides a low-maintenance, finished exterior appearance. An extended double-insect screen track is available for jamb-hinged doors that require gliding insect screens. Exterior extension jamb kits are available with or without the double-insect screen track.

Threshold



A maple or oak threshold is available for finishing the interior of the sill.

Ramped Sill Insert



Ramped sills in maple or oak provide smooth transition from interior to exterior. Ramped sill cannot be used with insect screens. Check with local and federal officials to determine if product meets accessibility codes. Shown with a Frenchwood[®] gliding patio door.

Sill Support



An aluminum sill support is designed to lock into a channel under the sill and tie back into the wall. This offers support to the outermost sill section when needed. Available in a neutral gray finish.

HARDWARE

Exterior Keyed Lock



A six-pin key cylinder lock is available in styles and finishes that coordinate with the hardware. This lock allows the hinged patio door to be locked and unlocked from the exterior.

Handle Extension



Extends interior door handle an additional 1" (25) from the door interior panel to accommodate blinds or shades. Kit includes

one handle extender and spindle. A second extender may be added to increase the length an additional 1" (25) to a 2" (51) total extension. Extenders are available in finishes that coordinate with hardware.

Strike Plate Extensions

Bright brass, antique brass, polished chrome, oil rubbed bronze, brushed chrome and satin nickel strike plate extensions are available for the following wall thicknesses: 5 1/4" (133), 6 9/16" (167), 7 1/8" (181) and 7 9/16" (192).

Construction Lock



This hardware can be used on all Andersen[®] hinged doors to help secure the structure during the construction phase of the project. It features an undersized escutcheon plate, which makes on-site finishing easier.

Panel Stop



This hinged door panel stop helps prevent wall damage when opening the inswing door. Available in finishes that coordinate with the hardware.

GLASS

Andersen[®] Art Glass

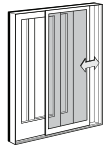
Andersen art glass panels come in a variety of original patterns. Available for stationary panels, sidelights and transoms. See art glass section starting on page 173 for more information or visit andersenwindows.com/artglass.

INSECT SCREENS

All insect screens have a long-lasting** fiberglass screen mesh with a charcoal finish, and frames are color matched to the exterior of the door unless otherwise specified.

Gliding Insect Screen

Available for all two- and three-panel doors. Features Delrin[®] material injection-molded bottom rollers with self-contained leveling adjusters.



A double insect screen track is required for two-panel active-passive or passive-active doors. Gliding insect screens are not available for 4' (1219)-wide doors.

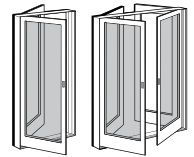
Double-Insect Screen Track



An extended insect screen track is required for two-panel active-passive or passive-active hinged doors that use gliding insect screens.

Hinged Insect Screens

Available for single-panel hinged doors, and two-panel active-passive or passive-active doors.



GRILLES

Available in a variety of configurations and widths. See page 155.

EXTERIOR TRIM

Available with Andersen exterior trim. See exterior trim section starting on page 175.

SIDELIGHTS & TRANSOMS

Andersen Frenchwood patio door sidelights and transoms feature elegant lines that match our Frenchwood hinged patio doors. See pages 159-162 for details.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- Do not paint 400 Series patio doors in white, canvas, Sandtone, dark bronze, forest green or black exterior colors.

See page 143 for a complete list of painting, staining and cleaning cautions.

*Delrin[®] is a registered trademark of E.I. du Pont de Nemours and Company.

Andersen patio doors are not intended for use as entrance doors.

Dimensions in parentheses are in millimeters.

*Exterior extension jambs for hinged inswing patio doors must be applied before installing into opening.

**Visit andersenwindows.com/warranty for details.

Hardie® Plank

Thickness 5/16 in
Length 12 ft planks

Select Cedarmill® & Smooth

Width 8.25 in
Exposure 7 in

Hardie® Panel

Thickness 5/16 in

Select Cedarmill® & Smooth

Size 4 ft x 10 ft

Hardie® Shingle

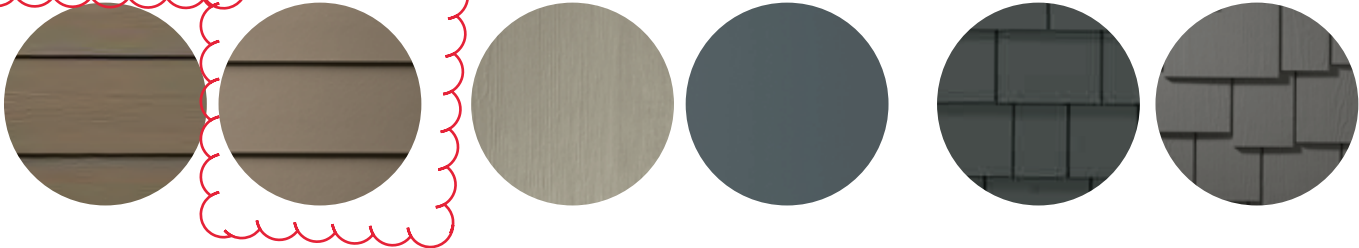
Thickness 1/4 in
Length 48 in

Straight Edge Panel

Height 15.25 in
Exposure 7 in

Staggered Edge Panel

Height 15.25 in
Exposure 6 in



Hardie® Soffit

Thickness 1/4 in

Vented Smooth

Width 12 in 16 in 24 in
Length 12 ft 12 ft 8 ft

Non-Vented Smooth

Width 12 in 16 in 24 in
Length 12 ft 12 ft 8 ft



Hardie® Trim

Length 12 ft

4/4 Smooth

Thickness .75 in

Width 3.5 in* 5.5 in 7.25 in 9.25 in* 11.25 in

5/4 Smooth

Thickness 1 in

Width 3.5 in 4.5 in 5.5 in 7.25 in 9.25 in* 11.25 in



*This size is only available in Arctic White

Batten Boards

Smooth

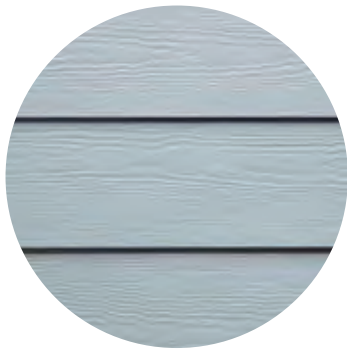
Thickness .75 in

Length 12 ft. boards

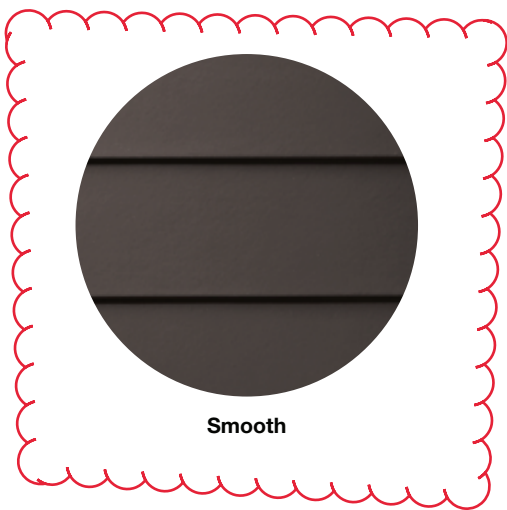
Width 2.5 in



Hardie® Plank



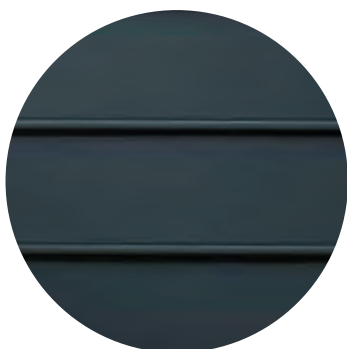
Select Cedarmill®



Smooth



Beaded Select Cedarmill®



Beaded Smooth

Select Cedarmill® & Smooth

Thickness 5/16 in Length 12 ft planks

	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*	12 in*
Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*	12 in*
Exposure	4 in	5 in	6 in	7 in	8 in	10.75 in
Prime Pcs/Pallet	360	308	252	230	190	152
ColorPlus® Pcs/Pallet	324	280	252	210	—	—
Pcs/Sq.	25.0	20.0	16.7	14.3	12.5	9.3

Select Cedarmill®

Width	5.25 in	6.25 in	7.25 in	8.25 in
Statement Collection™				•
Dream Collection™	•	•	•	•
Prime		•	•	•

Smooth

Width	5.25 in	6.25 in	7.25 in	8.25 in
Statement Collection™				•
Dream Collection™	•	•	•	•
Prime		•	•	•

Beaded Select Cedarmill®

Width	8.25 in
Exposure	7 in
ColorPlus® Pcs/Pallet	210
Pcs/Sq.	14.3

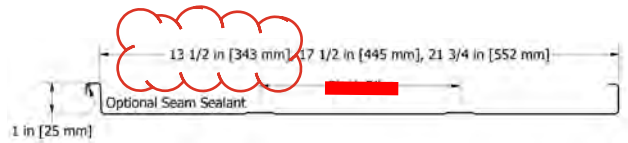
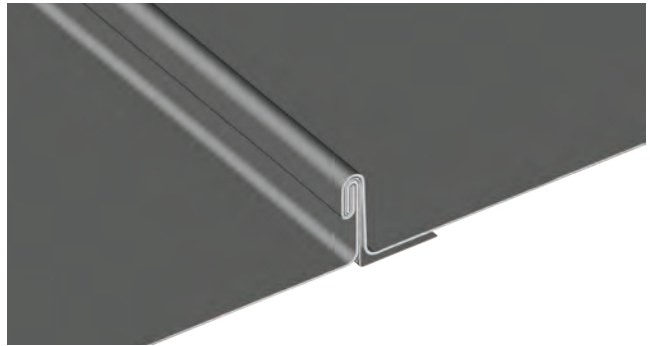
Statement Collection™	
Dream Collection™	•
Prime	•

Beaded Smooth

Width	8.25 in
Exposure	7 in
ColorPlus® Pcs/Pallet	210
Pcs/Sq.	14.3

Statement Collection™	
Dream Collection™	
Prime	•

*9.25 in and 12 in widths do not feature the drip edge



1" FIELD-LOK™

SKU: FLL135, FLL175, FLL217, FLL999

MATERIAL

.032, .040 aluminum
24, 22* ga. metallic coated steel
24 ga. 55% Al-Zn alloy coated steel with acrylic coating
16, 20 oz. copper*[^]
.7 mm zinc*[^]
.0197 classic & tin matte stainless steel*[^]
[^]Inquire for available panel widths

PANEL SPECS

Coverage: 13 1/2", ~~17 1/2", 21 3/4"~~
Custom widths available* (Plank ribs standard, specify without ribs or striations)
Minimum Length: 4'-0"
Seam Height: 1"

AVAILABLE

Tapered, Stretch Curved (Convex)
Factory panel pre-notching available.
Contact ATAS for specifics.

TEXTURE

Smooth or ~~Stretch Embossed~~ (available in 24 ga. steel & .032 aluminum)

MINIMUM SLOPE

2:12 depending on climate conditions

 www.atas.com/film

 www.atas.com/film

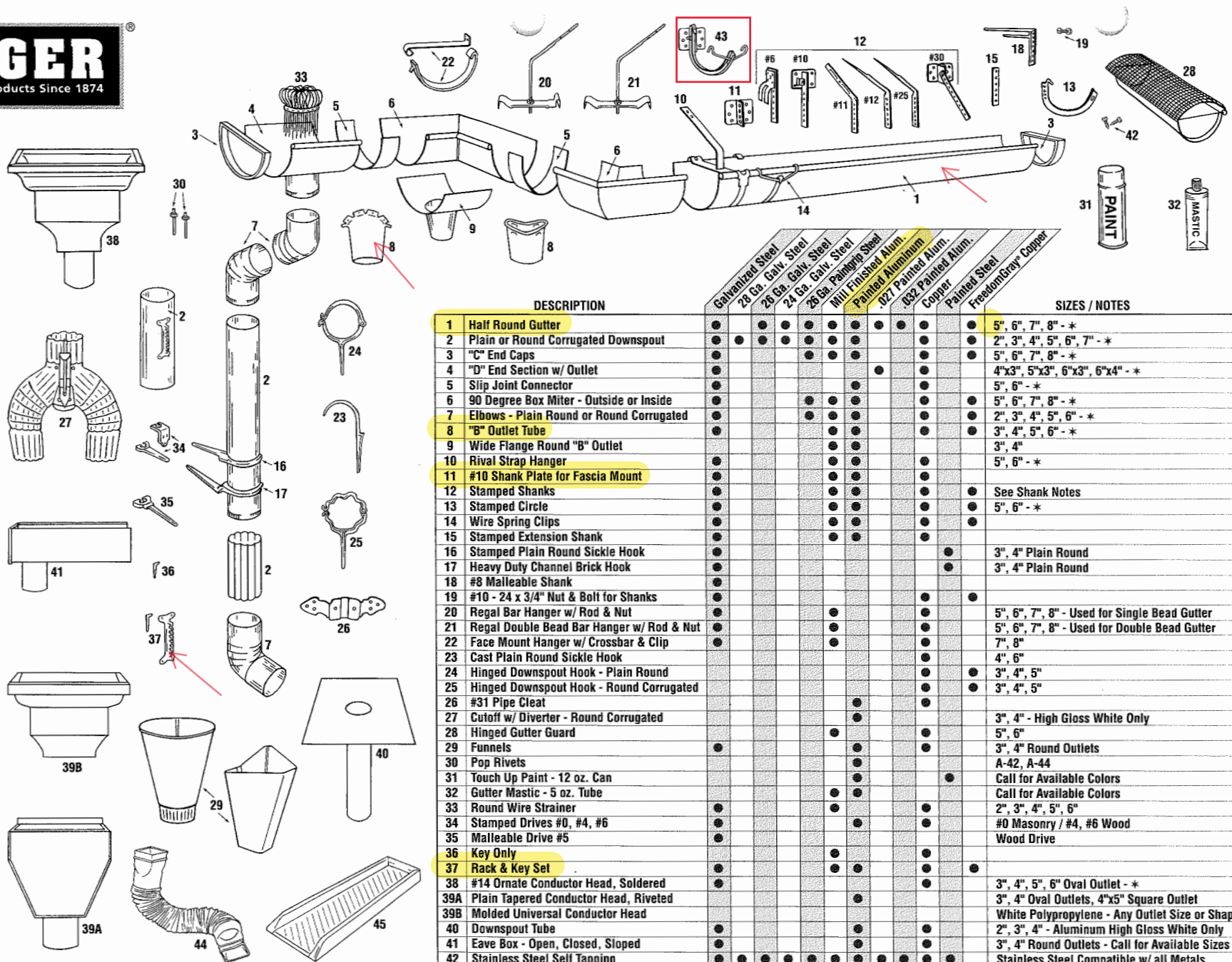
1" FIELD-LOK
Slate Grey
Private Residence



BERGER

Quality Building Products Since 1874

HALF ROUND GUTTER SYSTEMS AND ACCESSORIES



DESCRIPTION	MATERIALS								SIZES / NOTES
	Galvanized Steel	28 Ga. Galv. Steel	26 Ga. Galv. Steel	24 Ga. Galv. Steel	26 Ga. Galv. Steel	Mill Finish Steel	Painted Aluminum	027 Painted Alum.	
1 Half Round Gutter	•	•	•	•	•	•	•	•	5", 6", 7", 8" - *
2 Plain or Round Corrugated Downspout	•	•	•	•	•	•	•	•	2", 3", 4", 5", 6", 7" - *
3 "C" End Caps	•	•	•	•	•	•	•	•	5", 6", 7", 8" - *
4 "D" End Section w/ Outlet	•	•	•	•	•	•	•	•	4"x3", 5"x3", 6"x3", 6"x4" - *
5 Slip Joint Connector	•	•	•	•	•	•	•	•	5", 6" - *
6 90 Degree Box Miter - Outside or Inside	•	•	•	•	•	•	•	•	5", 6", 7", 8" - *
7 Elbows - Plain Round or Round Corrugated	•	•	•	•	•	•	•	•	2", 3", 4", 5", 6" - *
8 "B" Outlet Tube	•	•	•	•	•	•	•	•	3", 4", 5", 6" - *
9 Wide Flange Round "B" Outlet	•	•	•	•	•	•	•	•	3", 4"
10 Rival Strap Hanger	•	•	•	•	•	•	•	•	5", 6" - *
11 #10 Shank Plate for Fascia Mount	•	•	•	•	•	•	•	•	
12 Stamped Shanks	•	•	•	•	•	•	•	•	See Shank Notes
13 Stamped Circle	•	•	•	•	•	•	•	•	5", 6" - *
14 Wire Spring Clips	•	•	•	•	•	•	•	•	
15 Stamped Extension Shank	•	•	•	•	•	•	•	•	
16 Stamped Plain Round Sickle Hook	•	•	•	•	•	•	•	•	3", 4" Plain Round
17 Heavy Duty Channel Brick Hook	•	•	•	•	•	•	•	•	3", 4" Plain Round
18 #8 Malleable Shank	•	•	•	•	•	•	•	•	
19 #10 - 24 x 3/4" Nut & Bolt for Shanks	•	•	•	•	•	•	•	•	
20 Regal Bar Hanger w/ Rod & Nut	•	•	•	•	•	•	•	•	5", 6", 7", 8" - Used for Single Bead Gutter
21 Regal Double Bead Bar Hanger w/ Rod & Nut	•	•	•	•	•	•	•	•	5", 6", 7", 8" - Used for Double Bead Gutter
22 Face Mount Hanger w/ Crossbar & Clip	•	•	•	•	•	•	•	•	7", 8"
23 Cast Plain Round Sickle Hook	•	•	•	•	•	•	•	•	4", 6"
24 Hinged Downspout Hook - Plain Round	•	•	•	•	•	•	•	•	3", 4", 5"
25 Hinged Downspout Hook - Round Corrugated	•	•	•	•	•	•	•	•	3", 4", 5"
26 #31 Pipe Cleat	•	•	•	•	•	•	•	•	
27 Cutoff w/ Diverter - Round Corrugated	•	•	•	•	•	•	•	•	3", 4" - High Gloss White Only
28 Hinged Gutter Guard	•	•	•	•	•	•	•	•	5", 6"
29 Funnels	•	•	•	•	•	•	•	•	3", 4" Round Outlets
30 Pop Rivets	•	•	•	•	•	•	•	•	A-42, A-44
31 Touch Up Paint - 12 oz. Can	•	•	•	•	•	•	•	•	Call for Available Colors
32 Gutter Mastic - 5 oz. Tube	•	•	•	•	•	•	•	•	Call for Available Colors
33 Round Wire Strainer	•	•	•	•	•	•	•	•	2", 3", 4", 5", 6"
34 Stamped Drives #0, #4, #6	•	•	•	•	•	•	•	•	#0 Masonry / #4, #6 Wood
35 Malleable Drive #5	•	•	•	•	•	•	•	•	Wood Drive
36 Key Only	•	•	•	•	•	•	•	•	
37 Rack & Key Set	•	•	•	•	•	•	•	•	
38 #14 Ormate Conductor Head, Soldered	•	•	•	•	•	•	•	•	3", 4", 5", 6" Oval Outlet - *
39A Plain Tapered Conductor Head, Riveted	•	•	•	•	•	•	•	•	3", 4" Oval Outlets, 4"x5" Square Outlet
39B Molded Universal Conductor Head	•	•	•	•	•	•	•	•	White Polypropylene - Any Outlet Size or Shape
40 Downspout Tube	•	•	•	•	•	•	•	•	2", 3", 4" - Aluminum High Gloss White Only
41 Eave Box - Open, Closed, Sloped	•	•	•	•	•	•	•	•	3", 4" Round Outlets - Call for Available Sizes
42 Stainless Steel Self Tapping Hex Screws #8 x 1/2	•	•	•	•	•	•	•	•	Stainless Steel Compatible w/ all Metals
43 #10 Combination Circle and Plate	•	•	•	•	•	•	•	•	5", 6"
44 Flex-A-Spout*	•	•	•	•	•	•	•	•	Available in Brown, Gray, White
45 Splash Blocks	•	•	•	•	•	•	•	•	Available in Green, Brown, Gray

* Note: Not all sizes are available in the materials shown in this chart. Please contact Berger for availability.

Shank Notes: #1 - for fascia, #6 - for ogee or crown moulding, fits contour, #10- for fascia, #11 - for nailing to rafter, #12 - for nailing to sheeting, #25 - for nailing to sheeting, #30 - adjustable pitch for angled end rafters and fascia