



## Beaufort County Historic Preservation Review Board Meeting

### Chairman

Natalie Harvey

### Vice Chairman

Katrina Epps

### Board Members

Kathryn Mixon  
Sally Murphy  
Cheryl Steele  
Katherine Pringle  
Aileen LeBlanc

### County Administrator

JOHN ROBINSON

### Staff Support

ROBERT MERCHANT  
KRISTEN FORBUS

### Administration Building

Beaufort County Government  
Robert Smalls Complex  
100 Ribaut Road

### Contact

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Beaufort, South Carolina 29901-1228  
(843) 255-2147  
[www.beaufortcountysc.gov](http://www.beaufortcountysc.gov)

# Historic Preservation Review Board Agenda

Thursday, March 21, 2024 at 1:00 PM

Executive Conference Room, Administration Building

Robert Smalls Complex, 100 Ribaut Road, Beaufort

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. FOIA – PUBLIC NOTIFICATION OF THIS MEETING HAS BEEN PUBLISHED, POSTED, AND DISTRIBUTED IN COMPLIANCE WITH THE SOUTH CAROLINA FREEDOM OF INFORMATION ACT4.
4. APPROVAL OF MINUTES – January 18, 2024
5. CITIZEN COMMENTS (*Comments are limited to 3 minutes.*)

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### ACTION ITEMS

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6. CONSIDERATION OF CASTLE HILL PLANTATION ALTERATIONS
7. ABOVE-GROUND SURVEY UPDATE PRESENTATION
8. ADJOURNMENT

**Minutes**  
**Historic Preservation Review Board**  
**January 18, 2023, 1:00 p.m.**  
**Executive Conference Room, Administration Building**

***CALL TO ORDER:***

Ms. Natalie Harvey, Chairman, called the meeting to order at 1:02 p.m.

***MEMBERS PRESENT:***

Natalie Harvey, Chairman  
Kathryn Mixon  
Sally Murphy  
Katherine Pringle  
Cheryl Steele

***MEMBERS ABSENT:***

Katrina Epps, Vice Chairman  
Aileen LeBlanc  
Cheryl Steele

***STAFF PRESENT:***

Kristen Forbus, Beaufort County Planning and Zoning Long Range Planner

***PUBLIC COMMENT (non-agenda items):***

None.

***MINUTES:***

Ms. Kathryn Mixon asked to have the October 19, 2023 meeting minutes approved, Ms. Sally Murphy seconded. The Board members unanimously approved the minutes as submitted.

***Consideration of Castle Hill Plantation Alterations***

Mr. Michael Frederick presented the Castle Hill Plantation's history regarding the additions in the 1990s and the house fire that has occurred. He then presented the proposed work of adding a new porch, outdoor living space, pavilion with an open ground floor, new bathrooms, and limestone on terrace.

Ms. Murphy brought up the discussion of the pavilion being out of place. There was unanimous agreement among the board members that the pavilion was out of character for the structure.

Ms. Pringle then discussed the size of the columns. Mr. Frederick assured her the size was historically accurate. Ms. Mixon and Ms. Murphy then had a discussion regarding the proposed

outdoor living space. Ms. Mixon stated that it provides an appropriate area to sit outside. Ms. Murphy suggested it be reduced to not jut out as much. Ms. Murphy motioned a deferral to the next meeting with new plans that reconsider the pavilion and reduce the outdoor living space. Ms. Pringle seconded the motion. The motion passed unanimously.

Ms. Mixon motioned to adjourn. Ms. Murphy seconded the motion. The motion passed unanimously. Ms. Natalie Harvey adjourned the meeting at 1:34 PM.



CERTIFICATE OF APPROPRIATENESS APPLICATION

Beaufort County Planning and Zoning Multi Government Center 100 Ribaut Road, Beaufort, South Carolina, 29902 OFFICE (843) 255-2147

Staff Review Board Review Outcome:

OFFICE USE ONLY: Date Filed: Application #: Zoning District: BCAGHR Survey: Yes No SHC Survey: Yes No

Schedule: The Historic Preservation Review Board (HPRB) typically meets the 3rd Thursday of each month at 1pm. More information may be found here - https://www.beaufortcountysc.gov/historic-preservation-board/

Submittal Requirements: All forms and information shall be submitted digitally. In addition to a complete application form, applicants shall submit the required items according to the checklists on the subsequent page.

Nature of the Request: Alteration/Addition New Construction Demolition/Relocation Change after Certification

Pursuant to Section 6-29-1145 of the South Carolina Code of Laws, is this tract or parcel restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the activity described in this application? Yes No If yes, please attach a copy of the covenants and restrictions to this application.

Applicant, Property, and Project Information

Applicant Name: Michael Frederick, Frederick + Frederick Architects

Applicant Address: 38 Meridian Road, Beaufort, SC 29907

Applicant E-mail: michael@f-farchitects.com Applicant Phone Number: 843-522-8422

Applicant Title: Homeowner Tenant Architect Engineer Developer

Owner (if other than the Applicant): Livia Basso

Owner Address: 331 Castle Hall Road, Yemassee, SC

Project Name: Castle Hill Plantation

Property Address: 331 Castle Hall Road, Yemassee, SC

Property Identification Number (Tax Map & Parcel Number): R700 006 000 0001 0000

Date Submitted: 1/3/2024

Certification of Correctness: I/we certify that the information in this application is correct.

Applicant's Signature: Date: 01/03/2024

Owner's Signature: Livia Basso Date: 01/03/2024

(The owner's signature is required if the applicant is not the owner.)



REVISED SEPTEMBER 2, 2022

**HISTORIC PRESERVATION REVIEW  
BOARD CERTIFICATE OF  
APPROPRIATENESS**

**Application Requirements**

*The Beaufort County Community Development Code* applies to all projects. Division 5.10 details information about historic preservation standards in Beaufort County. Section 7.2.120 outlines the process for applying for a Certificate of Appropriateness.

Please use the checklist below to submit a complete application packet. Application packets are due by noon 20 business days prior to the scheduled meeting date. The Beaufort County Historic Preservation Review Board meets every third Thursday of the month.

**NOTE 1: Applications will not be considered complete until all the required items have been submitted. Incomplete applications will not be placed on the agenda. Applications must be submitted by noon 20 business days prior to the scheduled meeting date.**

**NOTE 2: If a New Construction project also requires major demolition a separate application is required. (Refer to the Checklist for Demolition on last page).**

**NOTE 3: Applications are to be compiled in the order in which the applicant plans to present the application to the Board during the meeting.**

## Submission Requirements for New Construction and Alterations or Additions

Please submit DIGITAL FILES ONLY via email to: robm@bcgov.net

\*Submittals should show existing and proposed conditions. Architectural drawings should show and clearly label existing conditions and the current proposed plans.

**\*This Application Requirements Checklist MUST be included in applications, with submitted items checked.**

- Existing Context:** Color photographs of the existing structure and the adjacent structures.
- Plat:** A plat indicating the tax map and parcel number, existing structure(s), setbacks, existing trees, and proposed construction footprint.
- Site Plan:** A site plan, to scale, indicating the location of the existing structure on the lot, proposed new structure, any site modifications (parking, paths, landscaping, tree removal, etc...), any new or existing mechanical equipment and screening area, and percentage of the total impervious paving. The plan should also include any connections to the public right of way (street and/or sidewalk), and grade elevations of the street and/or sidewalk and the proposed construction at the first floor.
- Design:** One or more drawings that convey the intent of the proposal. This may include floor plans, elevations, and building sections. They should display massing and scale of new construction and how it relates to the existing structure or surrounding context. For new construction and additions, this drawing should include a street elevation and/or a street section showing height and width relationships to existing adjacent buildings.
- 3-D Rendering:** A 3-D rendering, or physical scale model, showing the height, mass and scale of the proposed building in its context is required for all structures except single-family and 2-3 unit residential buildings.
- Pre-application Conference:** A Pre-application conference is required for all commercial new construction and substantial commercial renovation projects. The requirement for an Archeological Impact Assessment will be determined at this meeting
- Elevations:** Elevation drawings of all sides of the building, including heights – height above grade, floor-to-floor heights, eave height and ridge height (if applicable). For Alterations or Additions, existing conditions drawings of all four elevations are also required.
- Color Rendering:** A colored version of at least one elevation, noting proposed materials and colors.
- Additional on-site representation, such as a height story pole, and corner staking of the foundation, may be required.
- A Certified Arborist report may be required if specimen or grand trees are affected by the project.
- Details:** A typical wall section(s), window details, door details, eave details, porch details, and any other details characteristic to the building are required.
- Material Samples and Cut Sheets:** Applicant to submit cut sheets for all exterior building materials, to include roof and typical roof details, doors, windows, dryer vents, exterior lighting, etc. Samples of windows, lighting and building materials may be required at Staff's discretion.
- Final Materials List:** A final list, including colors, is required.

## Submission Requirements for Change After Certification

Please submit DIGITAL FILES ONLY via email to: [robm@bcgov.net](mailto:robm@bcgov.net)

### Change After Certification

- Copy of Certificate of Appropriateness** received with previous approval.
- Previously Approved Drawings:** Applicant to submit **complete** set of previously approved documents. Current proposed documents to be interlaced between previously approved documents and must be formatted to match previously approved. For example, previously approved elevations should be followed by current proposed. Drawings to be clearly noted as “Previously Approved” or “Current Proposed”, and all proposed revisions in the current proposed drawings must be clouded and noted.

## Submission Requirements for Demolition or Relocation

Please submit DIGITAL FILES ONLY via email to: [robm@bcgov.net](mailto:robm@bcgov.net)

- A written statement describing the history of the architectural significance of the structure to be demolished, the structural or physical condition of the structure, and the proposed use of the site after demolition or relocation. The statement should also include any recent attempt(s) to sell the property or move the structure. A recent appraisal with comparisons is strongly encouraged. You may refer to *The Beaufort County Above Ground Resources Survey of 1997* or consult county staff or historic foundations for verification of the date of construction and historic information.
- Tax map or plat showing the location of the property
- Color photographs of all sides of the structure.
- Color photographs of adjoining properties.
- A written report by an engineer, regarding the structural condition of the building, is required if the reason for demolition is related to the structural integrity of the building.



# **Castle Hill Plantation**



**Presentation to**

**The Historic Preservation Review Board**

**Beaufort County Planning and Zoning Commission**

**January 3, 2024**

## Historical Context and Architectural History

Castle Hill Plantation was established by Dr. James Cuthbert sometime after his immigration to the Carolinas in 1737. The Cuthbert family retained ownership of the property until around 1838, when it was sold to Nathaniel Heyward. The plantation was sold again in 1849 to Colonel John Screven, who died in 1903. The house of these 19th Century inhabitants was lost to fire in the early 1900's and the design of that original building is unknown. (Cuthbert & Hoffius, 2009)

The property consists of 1,784 acres and is located in Yemassee, SC. There is a large pond, wetlands and old rice fields, and many native plants and animals.

The property was purchased in 1929 by Blair S. Williams, a New York stock broker. Mr. Williams hired architect, Willis Irvin, and the house was built in 1935. (Cuthbert & Hoffius, 2009)

Willis Irvin, of Augusta, Georgia designed upscale residences throughout the lowcountry from the late 1910's through 1940's. A promotional catalog for his work espoused his goal of creating "residential work in that style characteristic of the Old South." His colonial revival style included "monumental porticos, an extensive vocabulary of classical ornamentation, and sumptuous interiors...a mythical conception of the southern plantation that was grander and more lavish than anything in the 'Old South.'" (SCIWAY, 2019) The Williams, as wealthy northerners building the house at Castle Hill as a winter residence, were typical of Irvin's clientele. (SCIWAY, 2019). The house, however, was less typical of Irvin, as it lacks the traditional columned, double porch at the entryway and the classical ornamentation is more minimal.



Castle Hill Plantation house and owner Joseph T. Wearn, with superintendent Dave Gamble. Wearn bought the property in the 1950's or 60's and owned it until his death in 1984.

Most of Irvin's colonial revivalist residences featured large porticos and ornate details such as featured in these examples of his work.



C.K. Dunlap House, Hartsville, Darlington County SC, 1934.



Evans- Russell House, Spartanburg, SC, ca. 1901

Sources:

Cuthbert, Robert B. & Hoffius, Stephen G. (Eds.). (2009). *Northern Money, Southern Land: The Lowcountry Plantation Sketches of Chlotilde R. Martin*. The University of South Carolina Press.

SCIWAY. (2019). *Castle Hill Plantation – Beaufort County*. South Carolina Plantations. <https://south-carolina-plantations.com/beaufort/castle-hill.html>

Vivian, Daniel J. (2016). *Irvin, Willis*. South Carolina Encyclopedia. The University of South Carolina Press.

Raymond and Livia Basso acquired Castle Hill Plantation in 1985. They constructed a kitchen addition in 1996. In 2019, a fire started by a power washing equipment engulfed the house and required more than 2 dozen firefighter to extinguish. The damage to the house, from the fire, smoke, water damage, mold & mildew, was extensive. The roof was covered by tarps to patch the network of holes, the framing was charred and destroyed in many places, the HVAC, plumbing & electrical systems were destroyed, the plaster was waterlogged and full of mold. Appraiser Ann Valverde inspected the furnishings and interiors, calling the contents of the home a total loss.



Existing Context Photographs:





## **21st Century Renovations**

Frederick and Frederick Architects drew plans for the initial phase of Ms. Basso's project, which was a full rehabilitation of the house to its pre-fire condition. To date, the damaged materials have been removed from the house, and the structural framing and roof have been replaced. The house, in its stripped-down state, sits ready for Ms. Basso's thoughtful renovation plans.

The renovation seeks to honor the long history of the house and its architectural integrity. The proposed porches are reminiscent of the grand porticos typical of Willis Irvin's style. The exterior changes to the 1996 kitchen addition will contextualize this portion of the house in a way that ties it to the original structure. The covered outdoor living room will enhance Ms. Basso's enjoyment of the pond view and the great natural beauty of the place. The pond and surrounding wetlands are overgrown and choking with invasive plants, Ms. Basso plans to clean it all up and restore the pond environment. A new brick, wrought iron, and wood gate will provide a marked entrance to the property, the design is shown in the attached set of drawings.

New bathrooms and the new kitchen will be updated to the 21st century standards. The HVAC system will be energy efficient. All new windows (Andersen A-series traditional double-hung) will also be energy efficient and visually appropriate. These upgrades will contribute to Ms. Basso's comfort and safety as a full time resident of the house.

The following watercolor drawings are provided to convey the design intent, and more detailed hardline drawings are attached with this submittal, as well. The improvements to the amenities and aesthetics will enable the house at Castle Hill to be preserved for generations to come.



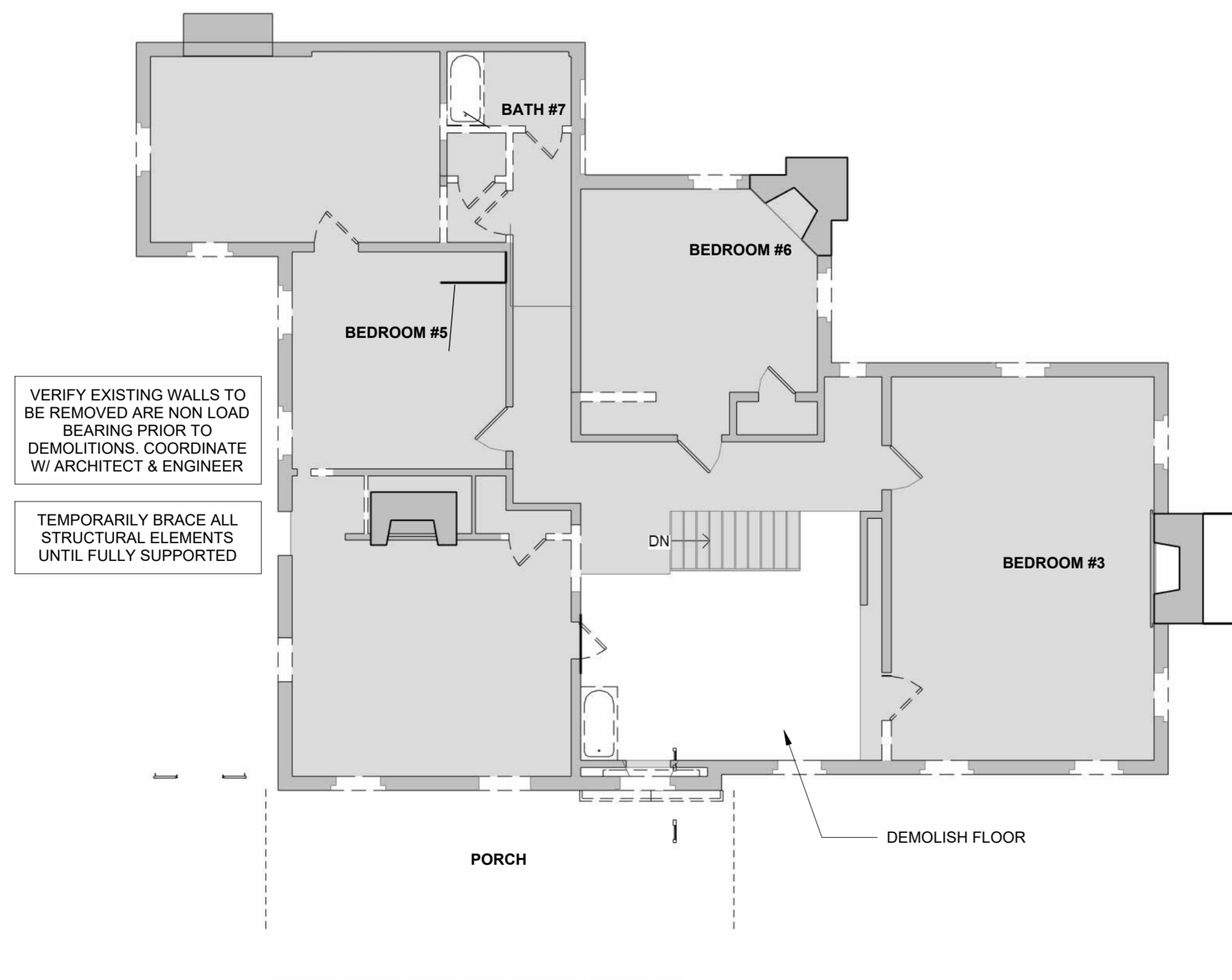
# CASTLE HILL PLANTATION RENOVATION

331 CASTLE HALL RD, YEMASSEE, SC

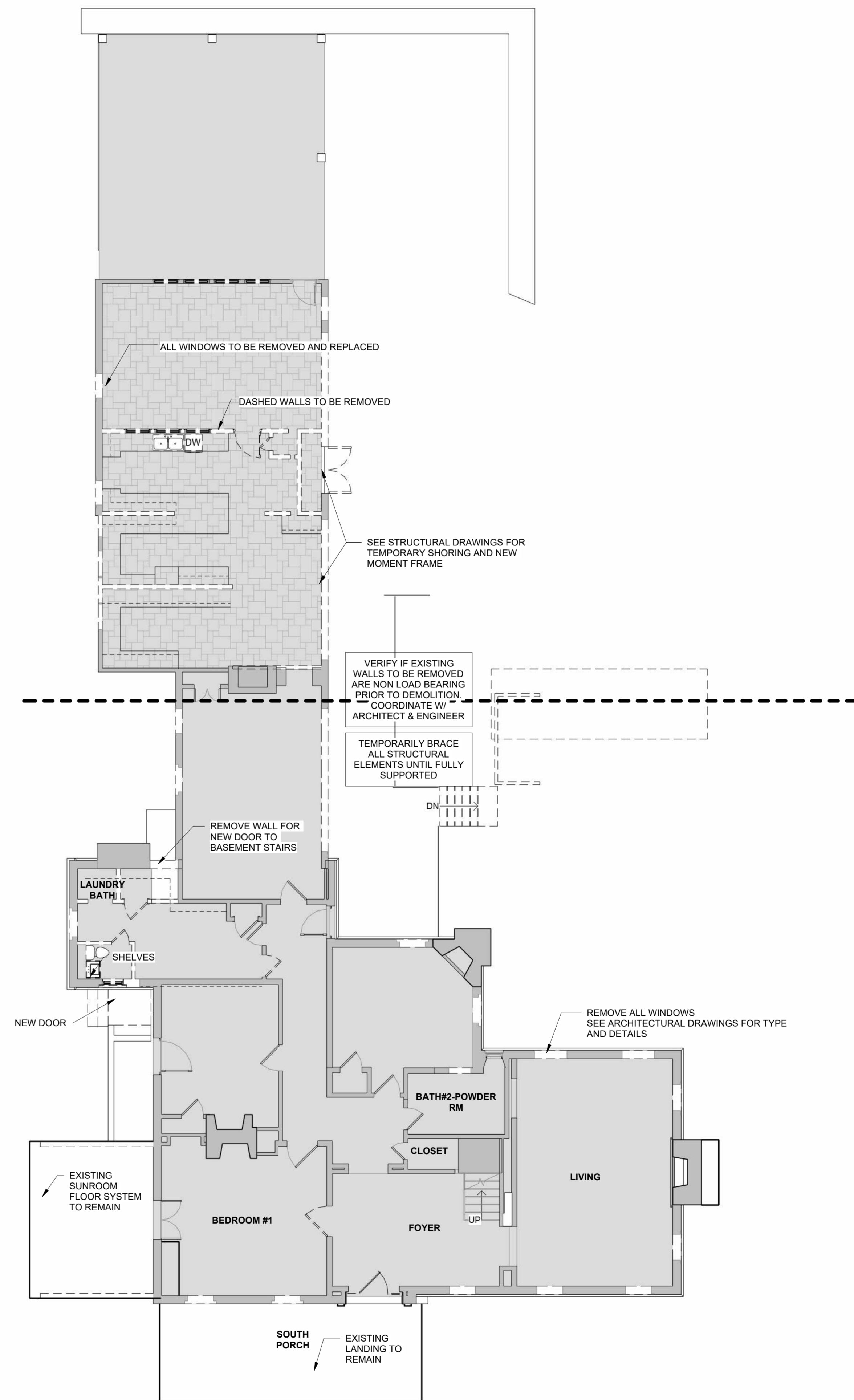
| ABBREVIATIONS   | SYMBOLS   | CONSULTANTS   | INDEX OF DRAWINGS   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
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| <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;">           ABV. Above<br/>           ADJ. Adjacent<br/>           A.F.F. Above Finish Floor<br/>           ALUM. Aluminum<br/>           ALT. Alternate<br/>           ANG. Angle<br/>           APPROX. Approximate<br/>           BL. Board<br/>           BLDG. Building<br/>           BLKG. Blocking<br/>           BM. Beam<br/>           BSMT. Basement<br/>           BOT. Bottom<br/>           CAB. Cabinet<br/>           C. Center Line<br/>           C.T. Ceramic Tile<br/>           CLG. Ceiling<br/>           CLO. Closet<br/>           CM. Centimeter<br/>           CMU. Concrete Masonry Unit<br/>           C.O. Caser Opening<br/>           COL. Column<br/>           CONC. Concrete<br/>           CONT. Continuous<br/>           DEPT. Department<br/>           DTL. Detail<br/>           D.F. Drinking Fountain<br/>           DIA. Diameter<br/>           DIM. Dimension<br/>           DN. Down<br/>           DS. Down Spout<br/>           DWG. Drawing<br/>           EA. Each<br/>           E.J. Expansion Joint<br/>           EL. Elevation<br/>           ELEC. Electrical<br/>           EMER. Emergency<br/>           EQ. Equal<br/>           EQUIP. Equipment<br/>           E.W. Each Way<br/>           EXIST. Existing         </td> <td style="vertical-align: top;">           EXT. Exterior<br/>           F.D. Floor Drain<br/>           FL. Floor<br/>           F.J. Floor Joist<br/>           FT. Foot<br/>           GA. Gauge<br/>           GYP.BD. Gypsum Board<br/>           H.B. Hose Bib<br/>           HCWD. Hollow Core Wood<br/>           H.M. Hollow Metal<br/>           HORIZ. Horizontal<br/>           HGT. Height<br/>           KIT. Kitchen<br/>           LAM. Laminate<br/>           LAV. Lavatory<br/>           LT. Light<br/>           MAS. Masonry<br/>           MAX. Maximum<br/>           MECH. Mechanical<br/>           MEMB. Membrane<br/>           MET. Metal<br/>           MFR. Manufacturer<br/>           MIN. Minimum<br/>           MISC. Miscellaneous<br/>           M.O. Masonry Opening<br/>           N.I.C. Not In Contract<br/>           N.T.S. Not To Scale<br/>           O.C. On Center<br/>           O.D. Outside Diameter<br/>           O.P. Opening<br/>           OPT. Optional<br/>           P.C. Precast<br/>           PL. Plate<br/>           P.LAM. Plastic Laminate<br/>           P.P. Pressure Treated<br/>           PLYWD. Plywood<br/>           PR. Pair<br/>           P.S.F. Pounds Per Square Foot<br/>           P.S.I. Pounds Per Square Inch<br/>           PTD. Painted<br/>           P.V.C. Polyvinyl Chloride         </td> <td style="vertical-align: top;">           QTY. Quantity<br/>           R. Riser<br/>           RAD. Radius<br/>           R.D. Roof Drain<br/>           REF. Refrigerator<br/>           REINF. Reinforcing<br/>           REV. Revision<br/>           REQD. Required<br/>           R.J. Roof Joist<br/>           RM. Room<br/>           R.O. Rough Opening<br/>           SCHED. Schedule<br/>           SCWD. Solid Core Wood<br/>           S.F. Square Foot<br/>           SH. Shelf<br/>           SHT. Sheet<br/>           SIM. Similar<br/>           S.M.P. Solid Masonry Pier<br/>           SPEC. Specification<br/>           SQ. Square<br/>           S.S. Stainless Steel<br/>           STD. Standard<br/>           STL. Steel<br/>           SUSP. Suspended<br/>           T. Tread<br/>           TEL. Telephone<br/>           THK. Thick<br/>           THRES. Threshold<br/>           THRU. Through<br/>           T.O.P. Top of Plate<br/>           T.O.S. Top of Steel<br/>           T.O.SH. Top of Sheathing<br/>           T.O.SL. Top of Slab<br/>           TYP. Typical<br/>           UN. Unless Otherwise Noted<br/>           VCT. Vinyl Composition Tile<br/>           VERT. Vertical<br/>           V.I.F. Verify in Field<br/>           W. With<br/>           WD. Wood<br/>           W/O. Without<br/>           WP. Waterproofing<br/>           WT. Weight<br/>           WWF. Welded Wire Fabric         </td> </tr> </table> | ABV. Above<br>ADJ. Adjacent<br>A.F.F. Above Finish Floor<br>ALUM. Aluminum<br>ALT. Alternate<br>ANG. Angle<br>APPROX. Approximate<br>BL. Board<br>BLDG. Building<br>BLKG. Blocking<br>BM. Beam<br>BSMT. Basement<br>BOT. Bottom<br>CAB. Cabinet<br>C. Center Line<br>C.T. Ceramic Tile<br>CLG. Ceiling<br>CLO. Closet<br>CM. Centimeter<br>CMU. Concrete Masonry Unit<br>C.O. Caser Opening<br>COL. Column<br>CONC. Concrete<br>CONT. Continuous<br>DEPT. Department<br>DTL. Detail<br>D.F. Drinking Fountain<br>DIA. Diameter<br>DIM. Dimension<br>DN. Down<br>DS. Down Spout<br>DWG. Drawing<br>EA. Each<br>E.J. Expansion Joint<br>EL. Elevation<br>ELEC. Electrical<br>EMER. Emergency<br>EQ. Equal<br>EQUIP. Equipment<br>E.W. Each Way<br>EXIST. Existing   | EXT. Exterior<br>F.D. Floor Drain<br>FL. Floor<br>F.J. Floor Joist<br>FT. Foot<br>GA. Gauge<br>GYP.BD. 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Similar<br>S.M.P. Solid Masonry Pier<br>SPEC. Specification<br>SQ. Square<br>S.S. Stainless Steel<br>STD. Standard<br>STL. Steel<br>SUSP. Suspended<br>T. Tread<br>TEL. Telephone<br>THK. Thick<br>THRES. Threshold<br>THRU. Through<br>T.O.P. Top of Plate<br>T.O.S. Top of Steel<br>T.O.SH. Top of Sheathing<br>T.O.SL. Top of Slab<br>TYP. Typical<br>UN. Unless Otherwise Noted<br>VCT. Vinyl Composition Tile<br>VERT. Vertical<br>V.I.F. Verify in Field<br>W. With<br>WD. Wood<br>W/O. Without<br>WP. Waterproofing<br>WT. Weight<br>WWF. Welded Wire Fabric | <p><b>ENLARGED DETAIL INDICATOR</b></p> <p>DETAIL-NO. 1<br/>SHEET-NO. A4.3</p> <p><b>SECTION CUT INDICATOR</b></p> <p>DETAIL-NO. 1<br/>SHEET-NO. A4.1</p> <p><b>INTERIOR ELEVATION INDICATOR</b></p> <p>DETAIL-NO. 1<br/>SHEET-NO. A5.1</p> <p><b>EXTERIOR ELEVATION INDICATOR</b></p> <p>DETAIL-NO. 1<br/>SHEET-NO. A5.1</p> <p>15.75'  ELEVATION ABOVE MEAN SEA LEVEL OR OTHER SPECIFIED DATUM</p> <p> WINDOW MARK</p> <p> DOOR MARK</p> <p> WALL TYPE</p> <p> REVISION NUMBER</p> | <p><b>STRUCTURAL ENGINEER:</b><br/>         29E6<br/>         1011 BAY ST.<br/>         SUITE 306<br/>         BEAUFORT, SC 29902</p> <p>info@29E6.co<br/>         843-441-9828</p>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sheet Number</th> <th style="width: 90%;">Sheet Name</th> </tr> </thead> <tbody> <tr><td>.0.0</td><td>TITLE SHEET</td></tr> <tr><td>.D1.0</td><td>DEMOLITION PLANS</td></tr> <tr><td>A1.0</td><td>OVERALL FLOOR &amp; FOUNDATION PLAN</td></tr> <tr><td>A2.1</td><td>FIRST FLOOR MAIN SECTION</td></tr> <tr><td>A2.2</td><td>FIRST FLOOR ADDITION</td></tr> <tr><td>A2.3</td><td>SECOND FLOOR PLAN</td></tr> <tr><td>A2.4</td><td>REFLECTED CEILING PLANS</td></tr> <tr><td>A2.5</td><td>ROOF PLAN &amp; SCHEDULES</td></tr> <tr><td>A3.1</td><td>SOUTH AND NORTH ELEVATIONS</td></tr> <tr><td>A3.2</td><td>EAST AND WEST ELEVATIONS</td></tr> <tr><td>A3.3</td><td>EXTERIOR ELEVATIONS</td></tr> <tr><td>A3.4</td><td>3D VIEWS</td></tr> <tr><td>A4.1</td><td>BUILDING SECTIONS</td></tr> <tr><td>A4.2</td><td>BUILDING SECTIONS</td></tr> <tr><td>A4.3</td><td>BUILDING SECTIONS</td></tr> <tr><td>A4.4</td><td>WALL SECTIONS</td></tr> <tr><td>A4.5</td><td>WALL SECTIONS</td></tr> <tr><td>A4.6</td><td>WALL SECTIONS</td></tr> <tr><td>A4.7</td><td>EXTERIOR DETAILS</td></tr> <tr><td>E.1</td><td>FIRST FLOOR MAIN SECTION ELECTRICAL PLANS</td></tr> <tr><td>E.2</td><td>FIRST FLOOR ADDITION ELECTRICAL PLAN</td></tr> <tr><td>E.3</td><td>SECOND FLOOR ELECTRICAL PLAN</td></tr> </tbody> </table> | Sheet Number | Sheet Name | .0.0 | TITLE SHEET | .D1.0 | DEMOLITION PLANS | A1.0 | OVERALL FLOOR & FOUNDATION PLAN | A2.1 | FIRST FLOOR MAIN SECTION | A2.2 | FIRST FLOOR ADDITION | A2.3 | SECOND FLOOR PLAN | A2.4 | REFLECTED CEILING PLANS | A2.5 | ROOF PLAN & SCHEDULES | A3.1 | SOUTH AND NORTH ELEVATIONS | A3.2 | EAST AND WEST ELEVATIONS | A3.3 | EXTERIOR ELEVATIONS | A3.4 | 3D VIEWS | A4.1 | BUILDING SECTIONS | A4.2 | BUILDING SECTIONS | A4.3 | BUILDING SECTIONS | A4.4 | WALL SECTIONS | A4.5 | WALL SECTIONS | A4.6 | WALL SECTIONS | A4.7 | EXTERIOR DETAILS | E.1 | FIRST FLOOR MAIN SECTION ELECTRICAL PLANS | E.2 | FIRST FLOOR ADDITION ELECTRICAL PLAN | E.3 | SECOND FLOOR ELECTRICAL PLAN |
| ABV. Above<br>ADJ. Adjacent<br>A.F.F. Above Finish Floor<br>ALUM. Aluminum<br>ALT. Alternate<br>ANG. Angle<br>APPROX. Approximate<br>BL. Board<br>BLDG. Building<br>BLKG. Blocking<br>BM. Beam<br>BSMT. Basement<br>BOT. Bottom<br>CAB. Cabinet<br>C. Center Line<br>C.T. Ceramic Tile<br>CLG. Ceiling<br>CLO. Closet<br>CM. Centimeter<br>CMU. Concrete Masonry Unit<br>C.O. Caser Opening<br>COL. Column<br>CONC. Concrete<br>CONT. Continuous<br>DEPT. Department<br>DTL. Detail<br>D.F. Drinking Fountain<br>DIA. Diameter<br>DIM. Dimension<br>DN. Down<br>DS. Down Spout<br>DWG. Drawing<br>EA. Each<br>E.J. Expansion Joint<br>EL. Elevation<br>ELEC. Electrical<br>EMER. Emergency<br>EQ. Equal<br>EQUIP. Equipment<br>E.W. Each Way<br>EXIST. Existing   | EXT. Exterior<br>F.D. Floor Drain<br>FL. Floor<br>F.J. Floor Joist<br>FT. Foot<br>GA. Gauge<br>GYP.BD. Gypsum Board<br>H.B. Hose Bib<br>HCWD. Hollow Core Wood<br>H.M. Hollow Metal<br>HORIZ. Horizontal<br>HGT. Height<br>KIT. Kitchen<br>LAM. Laminate<br>LAV. Lavatory<br>LT. Light<br>MAS. Masonry<br>MAX. Maximum<br>MECH. Mechanical<br>MEMB. Membrane<br>MET. Metal<br>MFR. Manufacturer<br>MIN. Minimum<br>MISC. Miscellaneous<br>M.O. Masonry Opening<br>N.I.C. Not In Contract<br>N.T.S. Not To Scale<br>O.C. On Center<br>O.D. Outside Diameter<br>O.P. Opening<br>OPT. Optional<br>P.C. Precast<br>PL. Plate<br>P.LAM. Plastic Laminate<br>P.P. Pressure Treated<br>PLYWD. Plywood<br>PR. Pair<br>P.S.F. Pounds Per Square Foot<br>P.S.I. Pounds Per Square Inch<br>PTD. Painted<br>P.V.C. Polyvinyl Chloride | QTY. Quantity<br>R. Riser<br>RAD. Radius<br>R.D. Roof Drain<br>REF. Refrigerator<br>REINF. Reinforcing<br>REV. Revision<br>REQD. Required<br>R.J. Roof Joist<br>RM. Room<br>R.O. Rough Opening<br>SCHED. Schedule<br>SCWD. Solid Core Wood<br>S.F. Square Foot<br>SH. Shelf<br>SHT. Sheet<br>SIM. Similar<br>S.M.P. Solid Masonry Pier<br>SPEC. Specification<br>SQ. Square<br>S.S. Stainless Steel<br>STD. Standard<br>STL. Steel<br>SUSP. Suspended<br>T. Tread<br>TEL. Telephone<br>THK. Thick<br>THRES. Threshold<br>THRU. Through<br>T.O.P. Top of Plate<br>T.O.S. Top of Steel<br>T.O.SH. Top of Sheathing<br>T.O.SL. Top of Slab<br>TYP. Typical<br>UN. Unless Otherwise Noted<br>VCT. Vinyl Composition Tile<br>VERT. Vertical<br>V.I.F. Verify in Field<br>W. With<br>WD. Wood<br>W/O. Without<br>WP. Waterproofing<br>WT. Weight<br>WWF. Welded Wire Fabric |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| Sheet Number  | Sheet Name  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| .0.0  | TITLE SHEET   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| .D1.0   | DEMOLITION PLANS  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A1.0  | OVERALL FLOOR & FOUNDATION PLAN   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A2.1  | FIRST FLOOR MAIN SECTION  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A2.2  | FIRST FLOOR ADDITION  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A2.3  | SECOND FLOOR PLAN   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A2.4  | REFLECTED CEILING PLANS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A2.5  | ROOF PLAN & SCHEDULES   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A3.1  | SOUTH AND NORTH ELEVATIONS  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A3.2  | EAST AND WEST ELEVATIONS  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A3.3  | EXTERIOR ELEVATIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A3.4  | 3D VIEWS  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.1  | BUILDING SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.2  | BUILDING SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.3  | BUILDING SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.4  | WALL SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.5  | WALL SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.6  | WALL SECTIONS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| A4.7  | EXTERIOR DETAILS  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| E.1   | FIRST FLOOR MAIN SECTION ELECTRICAL PLANS   |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| E.2   | FIRST FLOOR ADDITION ELECTRICAL PLAN  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| E.3   | SECOND FLOOR ELECTRICAL PLAN  |   |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| <p><b>MATERIALS</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;">  EARTH<br/>  GRAVEL<br/>  CONCRETE<br/>  C.M.U.<br/>  BRICK<br/>  STEEL         </td> <td style="vertical-align: top;">  ROUGH LUMBER CONTINUOUS<br/>  ROUGH LUMBER BLOCKING<br/>  FINISH WOOD<br/>  INSULATION BATTS<br/>  RIGID INSULATION<br/>  PLYWOOD (LARGE SCALE)<br/>  PLYWOOD (SMALL SCALE)         </td> <td style="vertical-align: top;">  GYPSUM WALLBOARD (LARGE SCALE)<br/>  ACOUSTIC TILE<br/>  CARPET &amp; PAD<br/>  WATERPROOFING, FELT, FLASHING, ETC.<br/>  GYPSUM WALL BOARD (ELEVATION)<br/>  BRICK (ELEVATION)<br/>  HORIZONTAL SIDING (ELEVATION)<br/>  ROOF SHINGLES (ELEVATION)         </td> </tr> </table>   | EARTH<br>GRAVEL<br>CONCRETE<br>C.M.U.<br>BRICK<br>STEEL   | ROUGH LUMBER CONTINUOUS<br>ROUGH LUMBER BLOCKING<br>FINISH WOOD<br>INSULATION BATTS<br>RIGID INSULATION<br>PLYWOOD (LARGE SCALE)<br>PLYWOOD (SMALL SCALE)   | GYPSUM WALLBOARD (LARGE SCALE)<br>ACOUSTIC TILE<br>CARPET & PAD<br>WATERPROOFING, FELT, FLASHING, ETC.<br>GYPSUM WALL BOARD (ELEVATION)<br>BRICK (ELEVATION)<br>HORIZONTAL SIDING (ELEVATION)<br>ROOF SHINGLES (ELEVATION)  | <p><b>LOCATOR MAP</b></p>  | <p><b>BUILDING INFORMATION</b></p> <p><b>REFERENCED BUILDING CODES:</b></p> <ul style="list-style-type: none"> <li>2018 SOUTH CAROLINA EXISTING BUILDING CODE</li> <li>2018 SOUTH CAROLINA RESIDENTIAL CODE</li> </ul> <p><b>MAIN HOUSE AREA (HEATED):</b></p> <p>FIRST FLOOR.....4300 S.F.<br/>         SECOND FLOOR.....2525 S.F.</p> | <p><b>GENERAL NOTES:</b></p> <ul style="list-style-type: none"> <li>THE GENERAL CONTRACTOR IS FULLY RESPONSIBLE FOR ENSURING ALL WORK ADHERES TO THE 2018 SOUTH CAROLINA RESIDENTIAL CODE.</li> <li>NOTIFY ARCHITECT OF STRUCTURAL DISCREPANCIES BETWEEN THESE DRAWINGS AND EXIST. CONDITIONS PRIOR TO BEGINNING NEW WORK.</li> <li>NOTIFY OWNER OF ANY DISCOVERED EXISTING DAMAGE AND REPAIR WITH LIKE MATERIALS.</li> <li>FREDERICK + FREDERICK HAS NOT BEEN HIRED FOR CONSTRUCTION ADMINISTRATION AND WILL NOT BE OVERSEEING CONSTRUCTION OF THIS PROJECT.</li> <li>SELECTION OF ALL WINDOWS, DOORS, FIXTURES, FINISHES, AND EQUIPMENT WILL BE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION REQUIRED FOR PROPER INSTALLATION.</li> <li>THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING HVAC, PLUMBING, AND ELECTRICAL PLANS AND LOAD CALCULATIONS, AS REQUIRED BY THE LOCAL BUILDING DEPARTMENT.</li> </ul>  |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |
| EARTH<br>GRAVEL<br>CONCRETE<br>C.M.U.<br>BRICK<br>STEEL   | ROUGH LUMBER CONTINUOUS<br>ROUGH LUMBER BLOCKING<br>FINISH WOOD<br>INSULATION BATTS<br>RIGID INSULATION<br>PLYWOOD (LARGE SCALE)<br>PLYWOOD (SMALL SCALE)   | GYPSUM WALLBOARD (LARGE SCALE)<br>ACOUSTIC TILE<br>CARPET & PAD<br>WATERPROOFING, FELT, FLASHING, ETC.<br>GYPSUM WALL BOARD (ELEVATION)<br>BRICK (ELEVATION)<br>HORIZONTAL SIDING (ELEVATION)<br>ROOF SHINGLES (ELEVATION)  |   |  |   |   |              |            |      |             |       |                  |      |                                 |      |                          |      |                      |      |                   |      |                         |      |                       |      |                            |      |                          |      |                     |      |          |      |                   |      |                   |      |                   |      |               |      |               |      |               |      |                  |     |   |     |                                      |     |                              |



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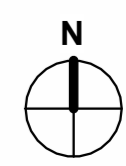
② SECOND FLOOR DEMO PLAN  
1/8" = 1'-0"



① DEMOLITION PLAN MAIN  
1/8" = 1'-0"

DEMOLITION PLANS  
**CASTLE HILL PLANTATION RENOVATION**  
 331 CASTLE HALL RD, YEMASSEE, SC

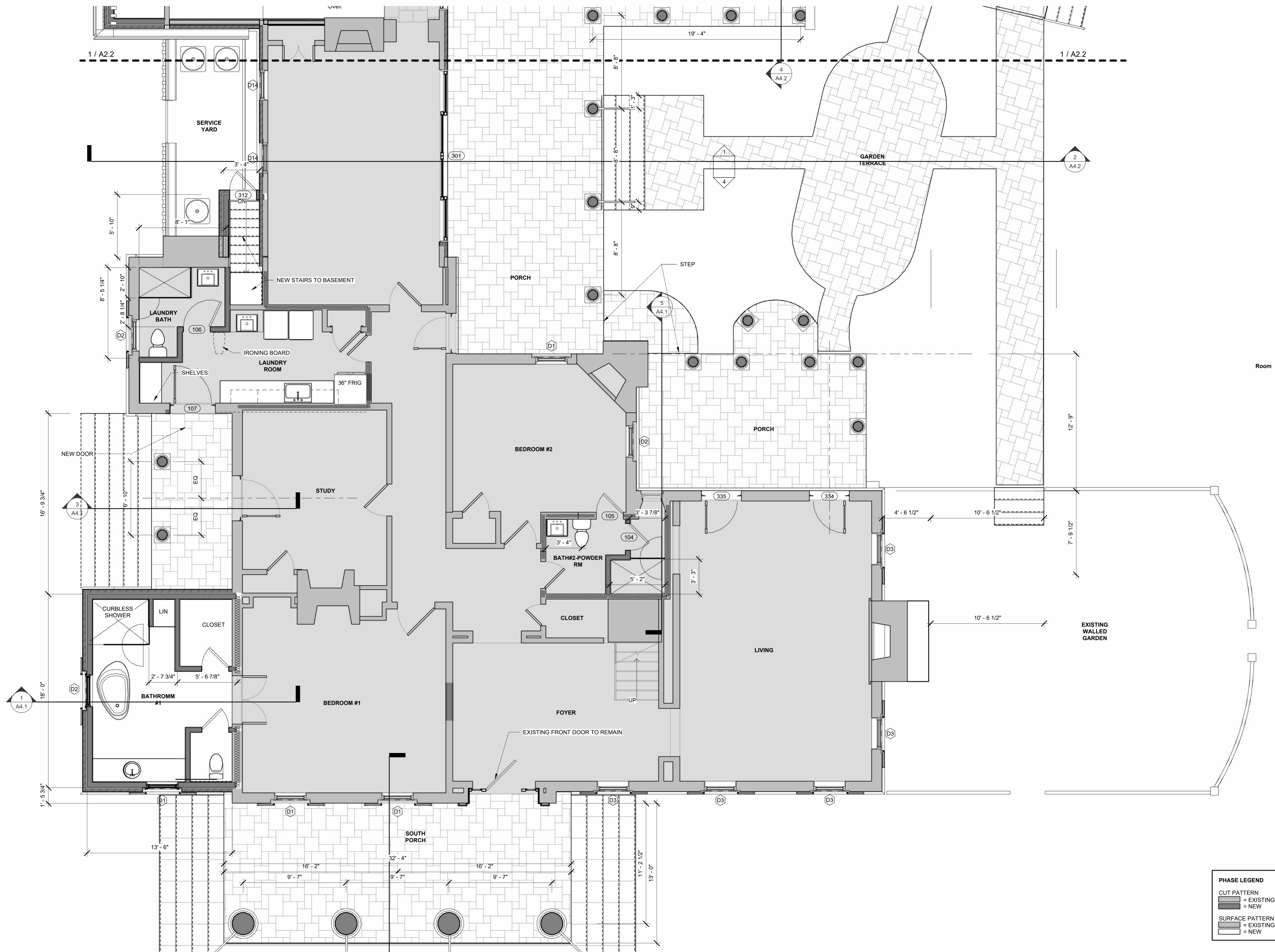
2024-2-8  
REVIEW



**.D1.0**  
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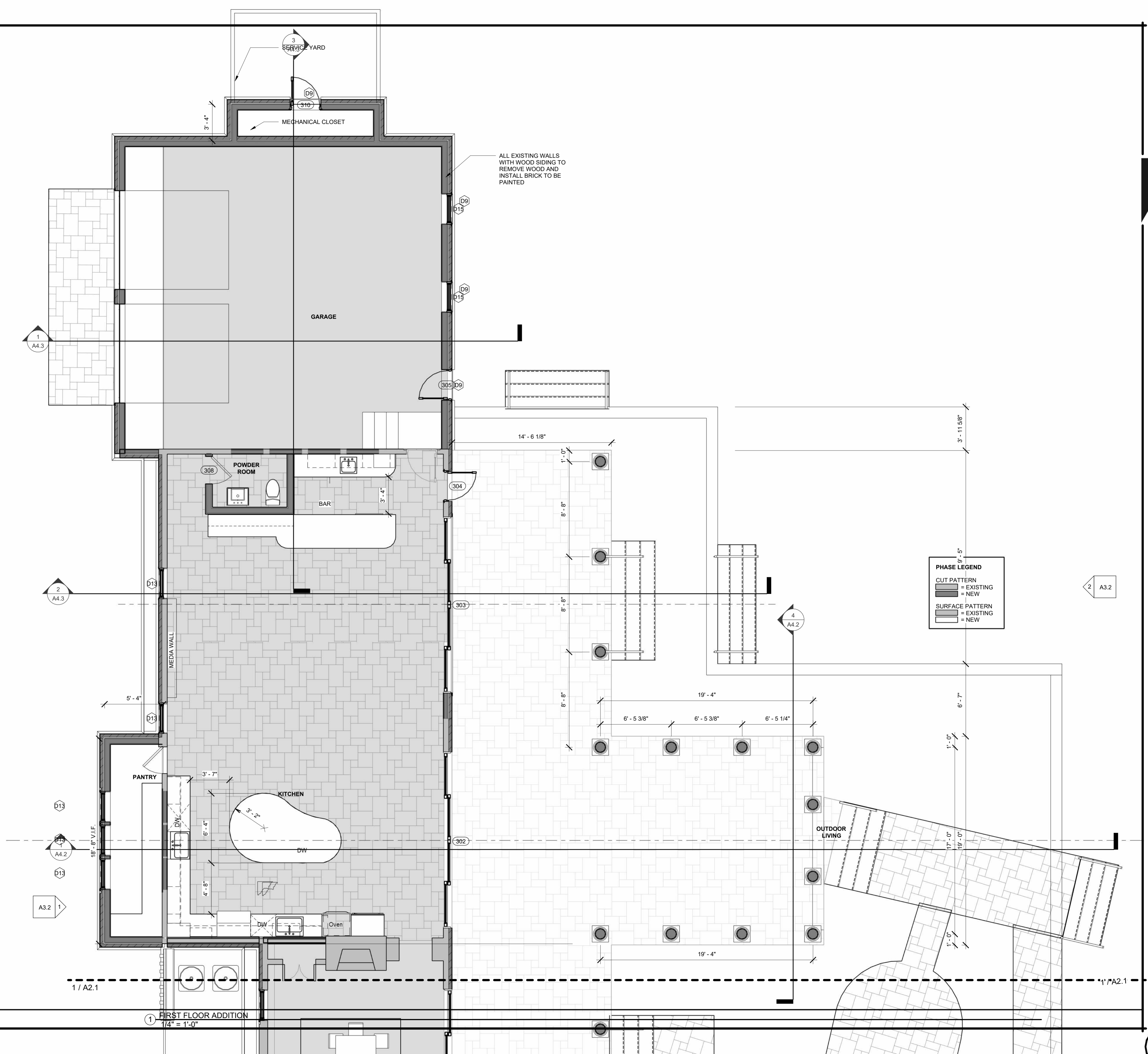


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1 FIRST FLOOR MAIN  
1/4" = 1'-0"

2/19/2024 10:15:27 AM



FIRST FLOOR ADDITION

CASTLE HILL PLANTATION RENOVATION

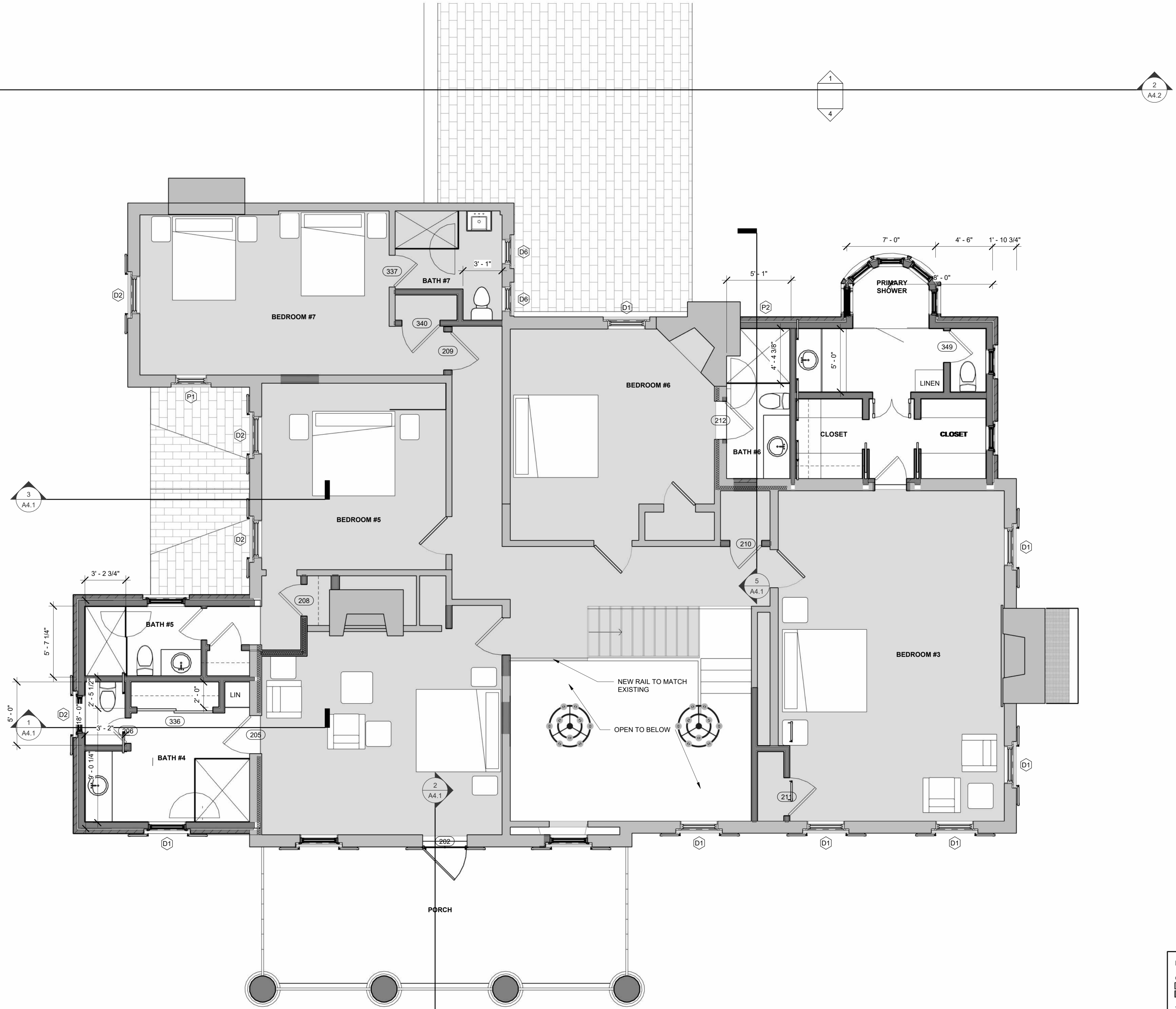
331 CASTLE HALL RD, YEMASSEE, SC

2024-2-8 REVIEW

A2.2

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**PHASE LEGEND**

|  |                 |
|--|-----------------|
|  | CUT PATTERN     |
|  | = EXISTING      |
|  | = NEW           |
|  | SURFACE PATTERN |
|  | = EXISTING      |
|  | = NEW           |

1 SECOND FLOOR MAIN  
1/4" = 1'-0"

SECOND FLOOR PLAN

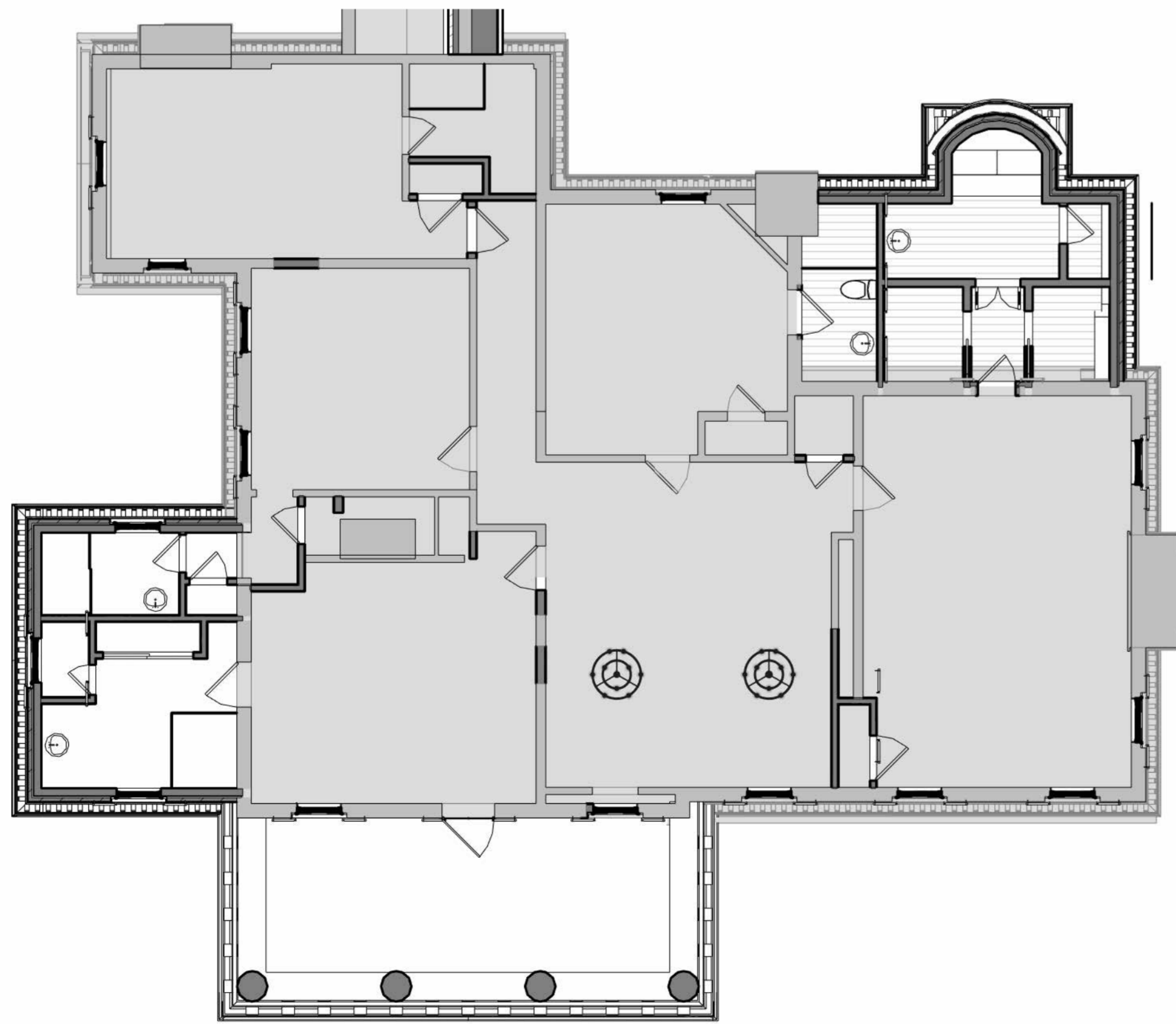
CASTLE HILL PLANTATION RENOVATION

331 CASTLE HALL RD, YEMASSEE, SC

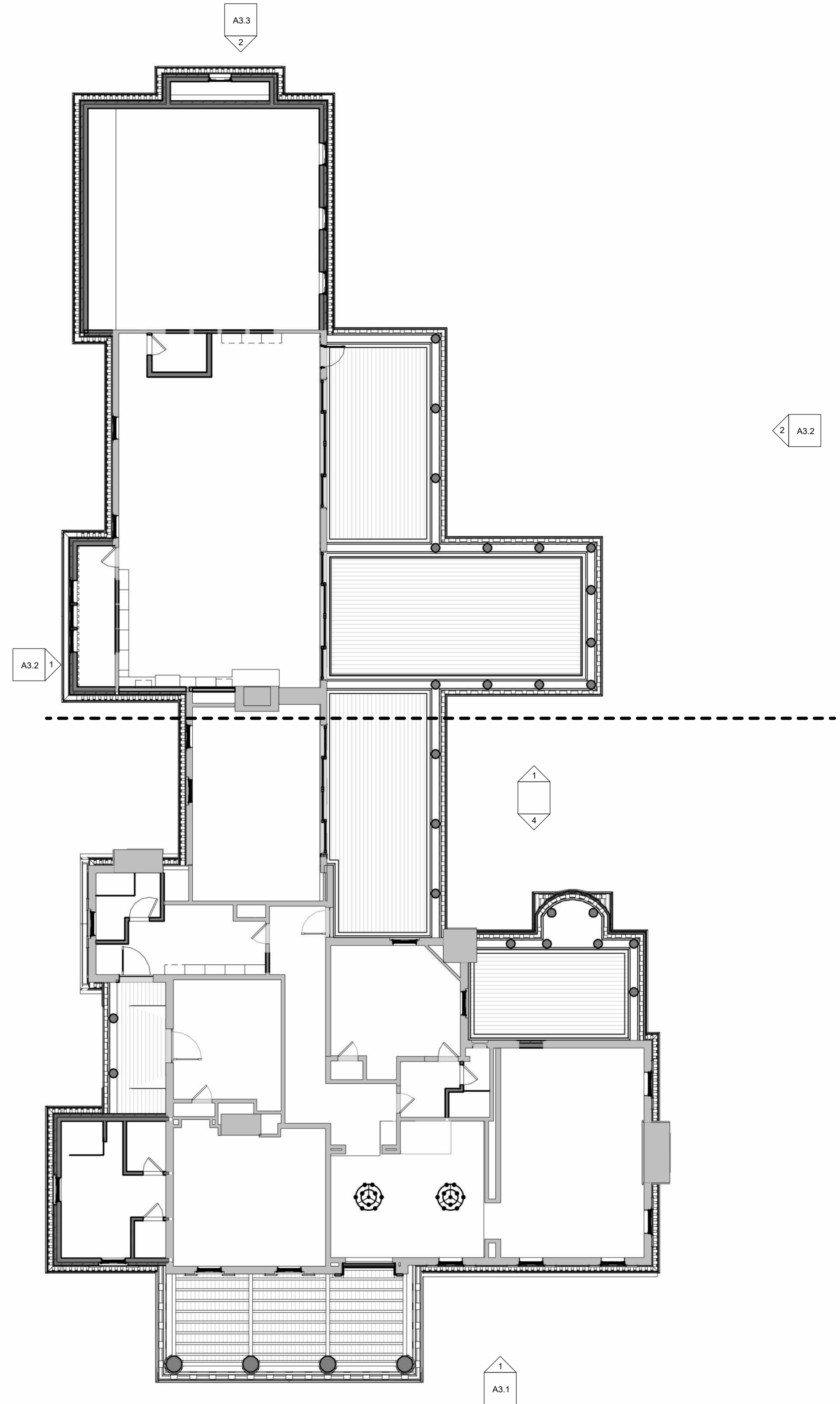
2024-2-8  
REVIEW

A2.3

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② SECOND FLOOR MAIN  
1/8" = 1'-0"



① FIRST FLOOR ADDITION  
1/8" = 1'-0"

REFLECTED CEILING PLANS

CASTLE HILL PLANTATION RENOVATION

331 CASTLE HALL RD, YEMASSEE, SC

2024-2-8  
REVIEW

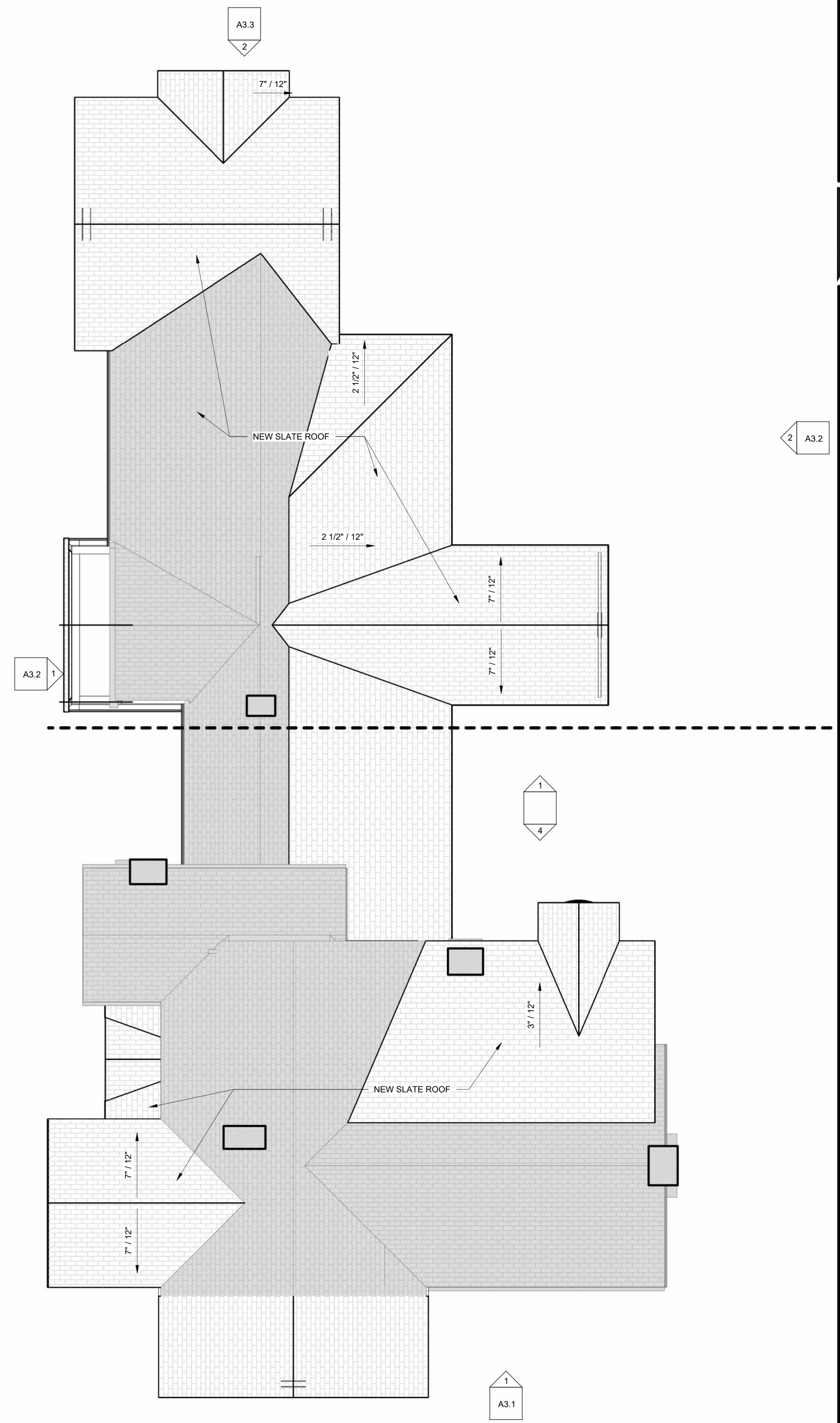
A2.4

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| Door Schedule |              |             |           |                        |                     |                 |
|---------------|--------------|-------------|-----------|------------------------|---------------------|-----------------|
| Door Number   | Width        | Height      | Elevation | Manufacturer           | Model               | Finish Comments |
| 104           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 105           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 106           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 107           | 3' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 202           | 3' - 6"      | 8' - 0"     |           | FireRock               | Single Door Inswing |                 |
| 205           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 206           | 2' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 208           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 209           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 210           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 211           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 212           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 301           | 16' - 0 3/8" | 8' - 0"     | H         | WEILAND / ANDERSON     | -                   |                 |
| 302           | 16' - 0 3/8" | 8' - 0"     | H         | WEILAND / ANDERSON     | -                   |                 |
| 303           | 16' - 0 3/8" | 8' - 0"     | H         | WEILAND / ANDERSON     | -                   |                 |
| 304           | 2' - 9 1/2"  | 7' - 9 1/2" |           | Andersen Corporation   | -                   |                 |
| 305           | 2' - 9 1/2"  | 7' - 9 1/2" |           | Andersen Corporation   | -                   |                 |
| 308           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 310           | 2' - 9 1/2"  | 7' - 9 1/2" |           | Andersen Corporation   | -                   |                 |
| 312           | 2' - 6"      | 7' - 0"     |           |                        |                     |                 |
| 313           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 322           | 9' - 0"      | 10' - 0"    |           | EDEN COAST GARAGE DOOR | FIBERGLASS          |                 |
| 323           | 9' - 0"      | 10' - 0"    |           | EDEN COAST GARAGE DOOR | FIBERGLASS          |                 |
| 334           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 335           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 336           | 6' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 337           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 340           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 342           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 343           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 347           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 348           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 349           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |
| 352           | 3' - 0"      | 7' - 0"     |           |                        |                     |                 |
| 362           | 3' - 0"      | 8' - 0"     |           |                        |                     |                 |
| 363           | 2' - 4"      | 8' - 0"     |           |                        |                     |                 |
| 364           | 2' - 4"      | 8' - 0"     |           |                        |                     |                 |
| 365           | 2' - 6"      | 8' - 0"     |           |                        |                     |                 |

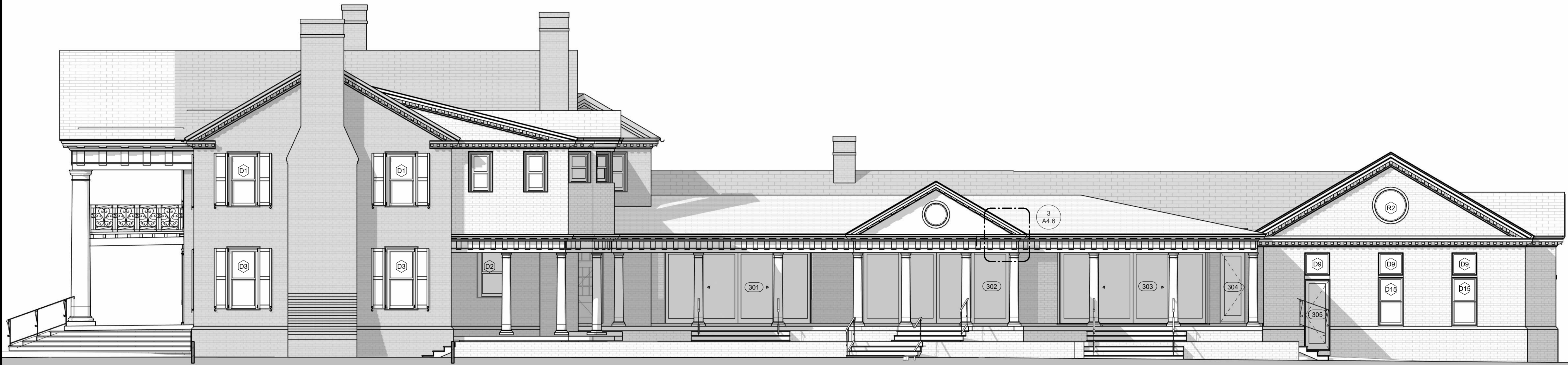
| Window Schedule |              |             |                          |                           |  |       |
|-----------------|--------------|-------------|--------------------------|---------------------------|--|-------|
| Type Mark       | Frame Size   |             | Manufacturer             | Window Type               | Comments   | Count |
|                 | Width        | Height      |                          |                           |  |       |
| D1              | 2' - 11 3/8" | 5' - 9"     | Marvin Windows and Doors | Double Hung               | <varies>   | 12    |
| D2              | 2' - 11 3/8" | 5' - 3"     | Marvin Windows and Doors | Double Hung               |  | 7     |
| D3              | 2' - 11 3/8" | 6' - 7"     | Marvin Windows and Doors | Double Hung               |  | 5     |
| D6              | 1' - 11 3/8" | 4' - 1"     | Marvin Windows and Doors | Ultimate Wood Double Hung |  | 4     |
| D9              | 2' - 9"      | 2' - 5 1/2" | Marvin Windows and Doors |                           |  | 4     |
| D12             | 2' - 11 3/8" | 7' - 0"     | Marvin Windows and Doors | Ultimate Wood Double Hung |  | 2     |
| D13             | 2' - 9 3/8"  | 5' - 1"     | Marvin Windows and Doors | Double Hung               |  | 5     |
| D14             | 2' - 9 3/8"  | 5' - 5"     | Marvin Windows and Doors | Double Hung               |  | 2     |
| D15             | 2' - 9 1/4"  | 5' - 3 1/2" | Marvin Windows and Doors | Ultimate Double Hung G2   |  | 2     |
| D16             | 1' - 11 3/8" | 3' - 1"     | Marvin Windows and Doors | Ultimate Wood Double Hung |  | 8     |
| P1              | 2' - 5 3/8"  | 5' - 3"     | Marvin Windows and Doors | Ultimate Wood Double Hung |  | 1     |
| P2              | 3' - 1"      | 2' - 5 1/2" | Marvin Windows and Doors |                           |  | 1     |
| R1              | 2' - 1 1/2"  | 2' - 1 1/2" | Marvin Windows and Doors |                           | GC TO VERIFY ROUGH OPENING SIZE, RE-USE EXST. CASING | 1     |
| R2              | 3' - 6"      | 3' - 6"     |                          |                           |  | 2     |
| R10             | 2' - 6"      | 2' - 6"     |                          |                           |  | 2     |



1 ROOF PLAN  
1/8" = 1'-0"





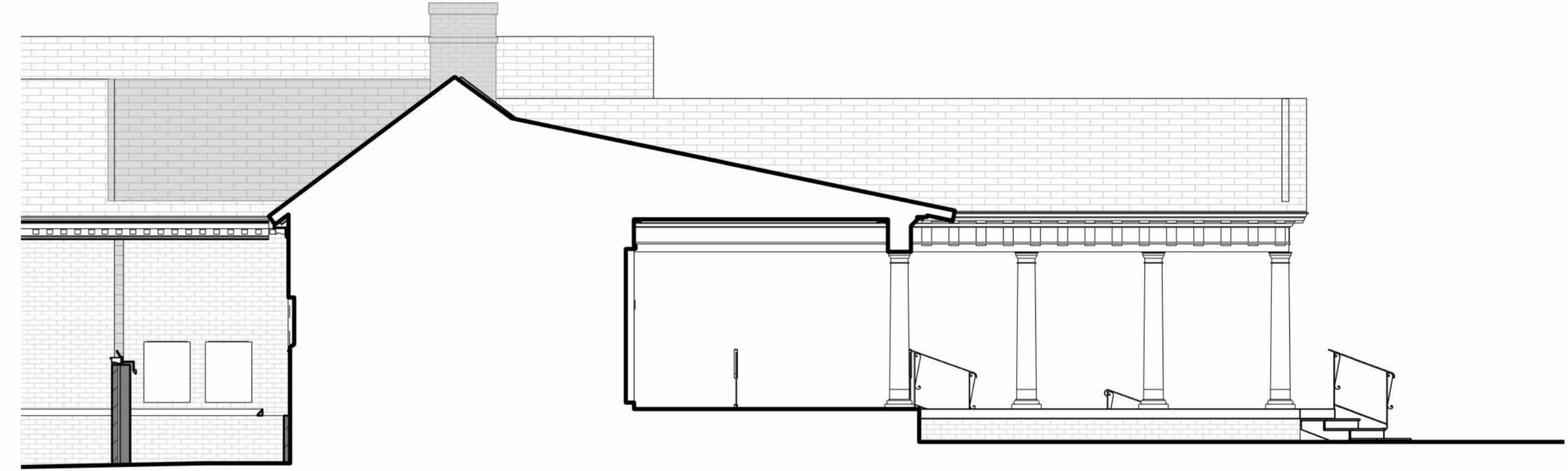


2 EAST ELEVATION  
 3/16" = 1'-0"

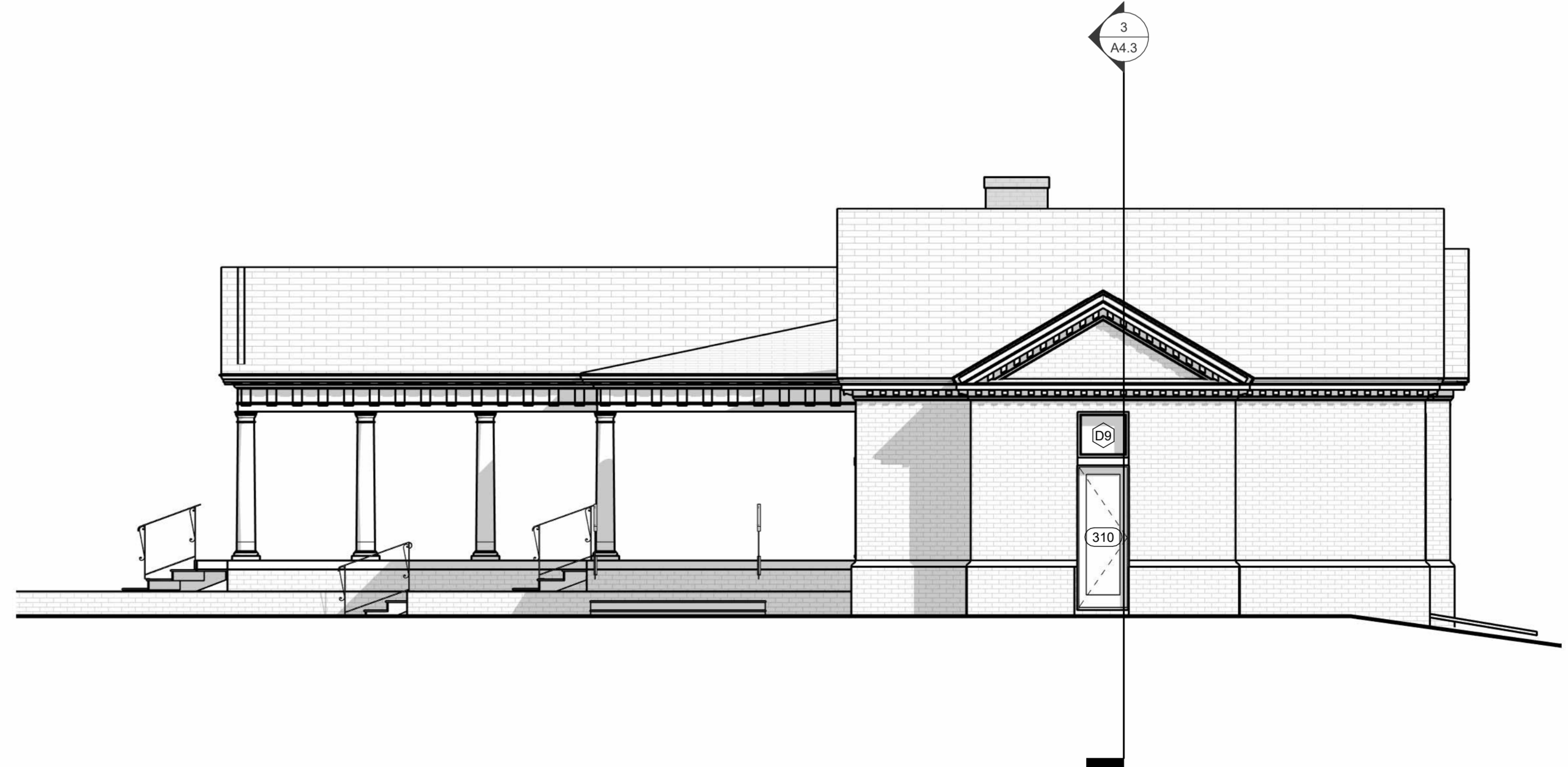


1 WEST ELEVATION  
 3/16" = 1'-0"

2/19/2024 10:15:42 AM



① SOUTH ELEVATION OUTDOOR LIVING  
3/16" = 1'-0"



② NORTH ELEVATION  
3/16" = 1'-0"

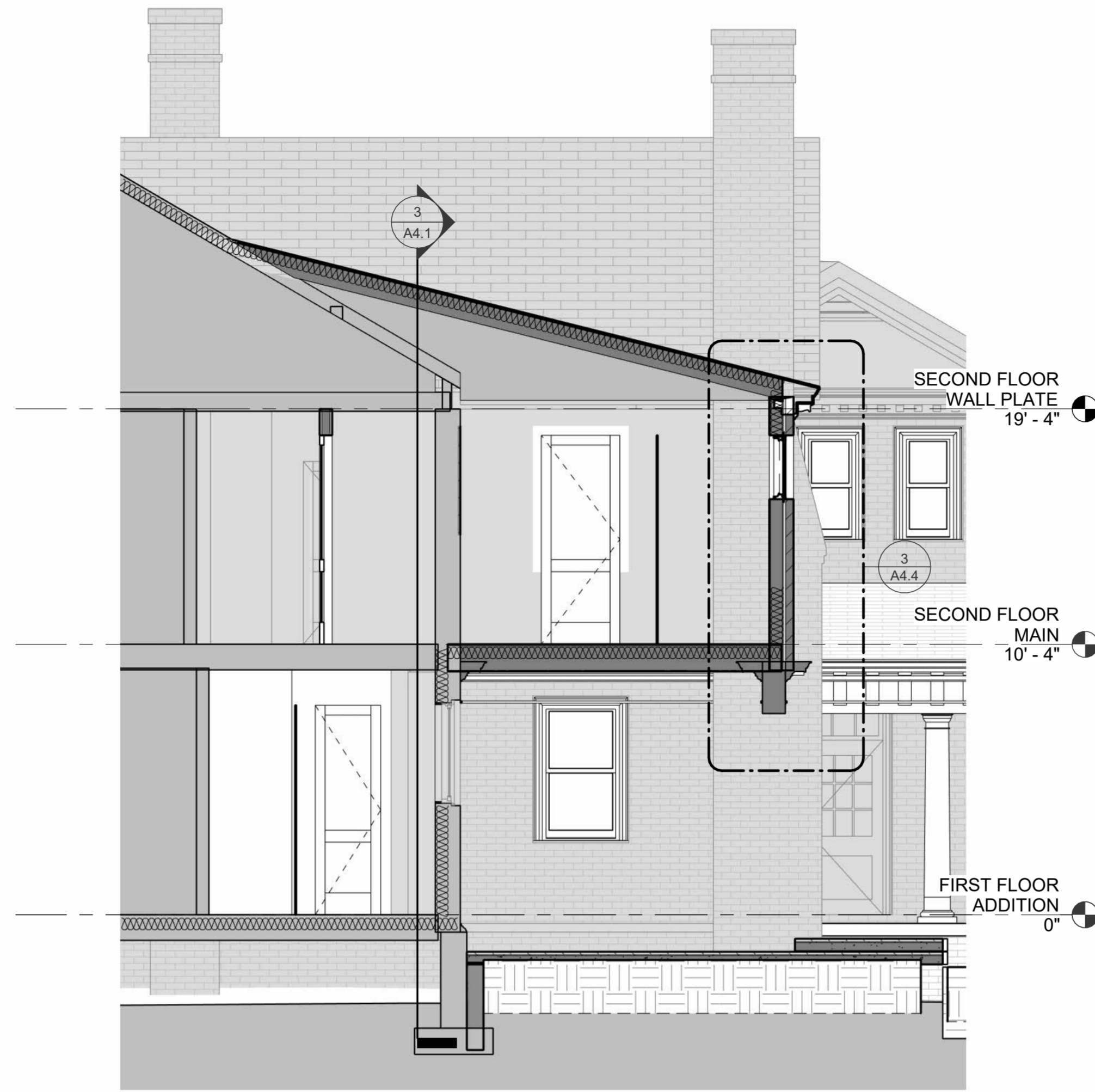


② 3D FROM NORTH EAST

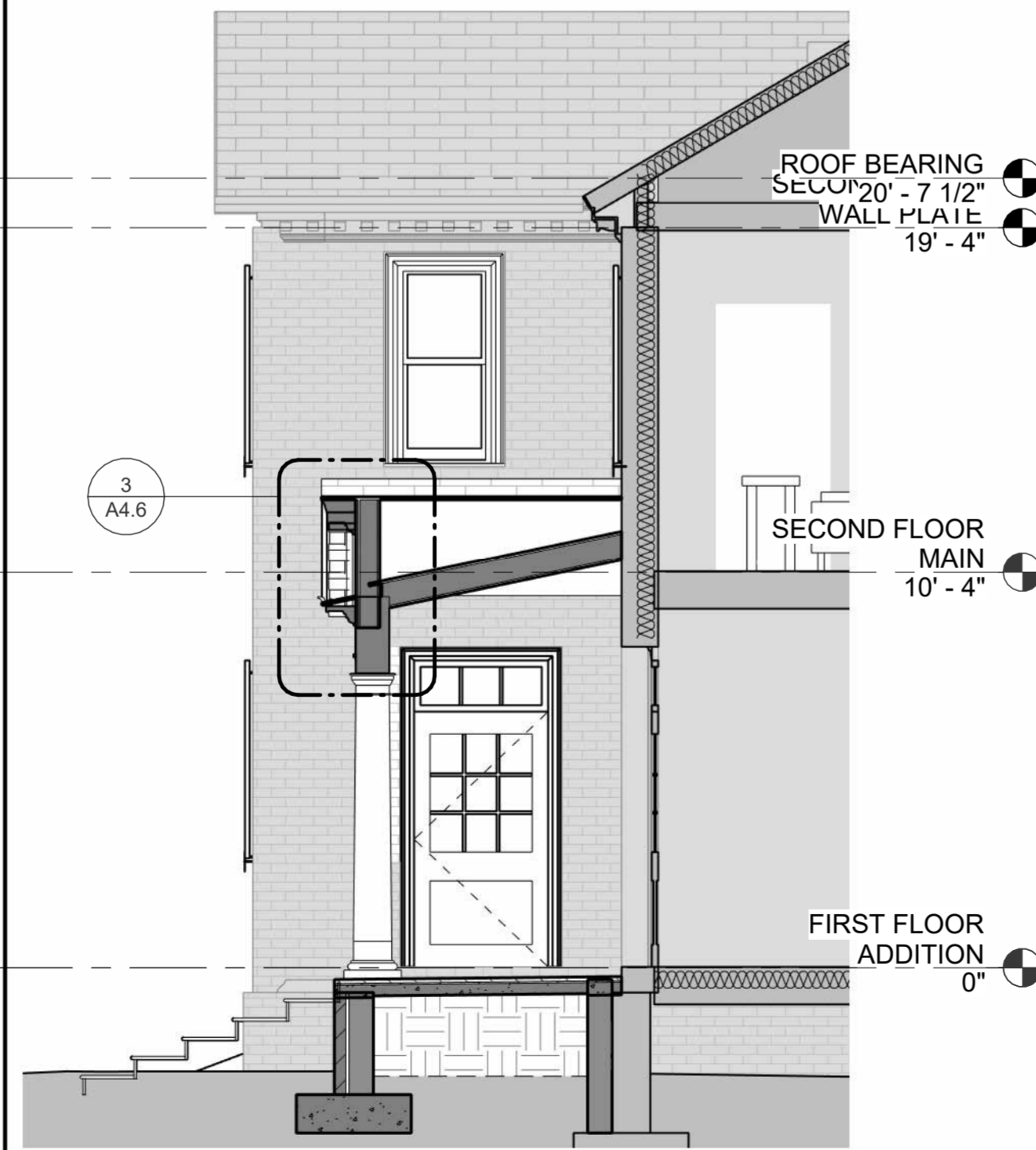


① 3D FROM SOUTH WEST

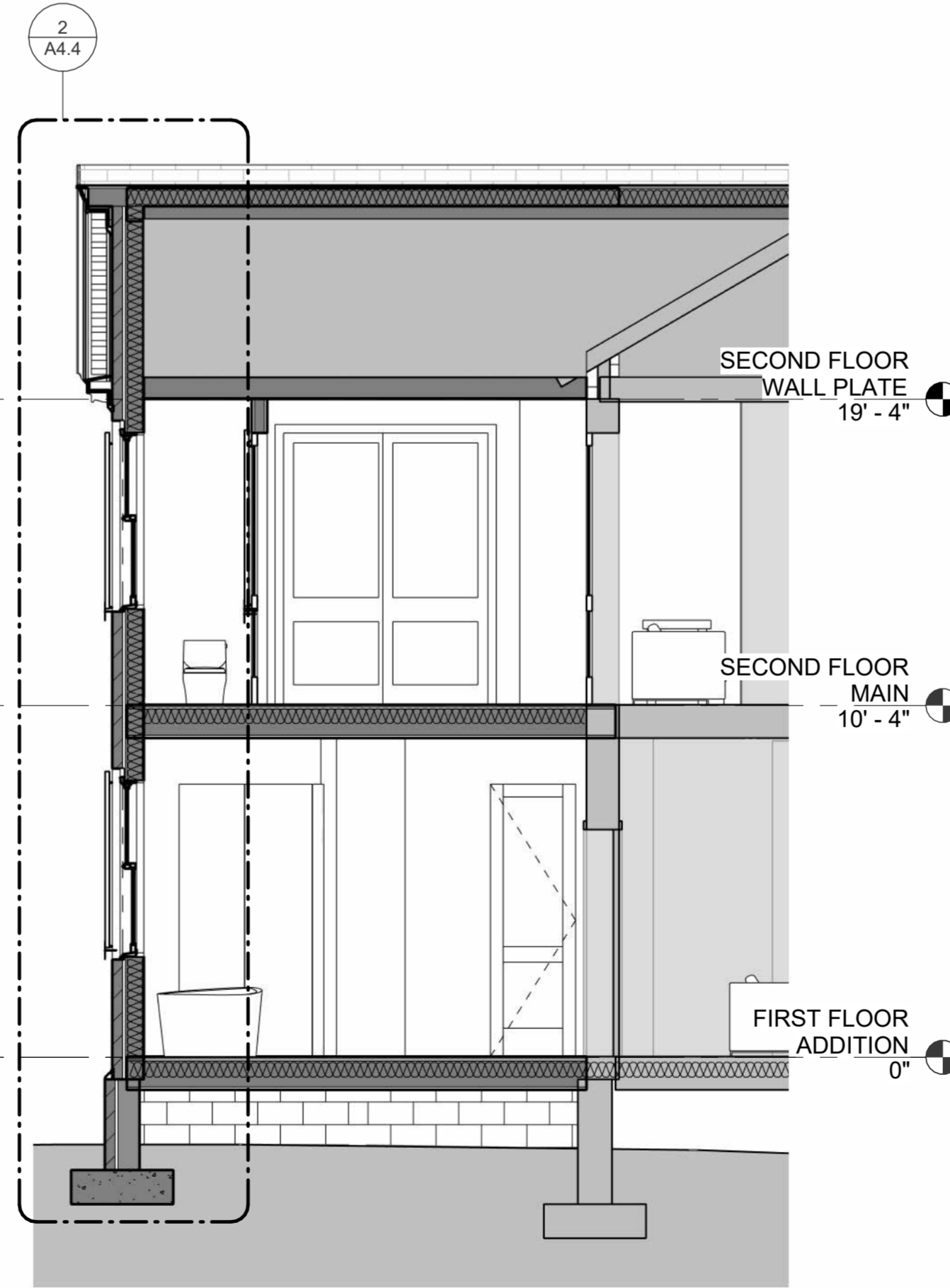
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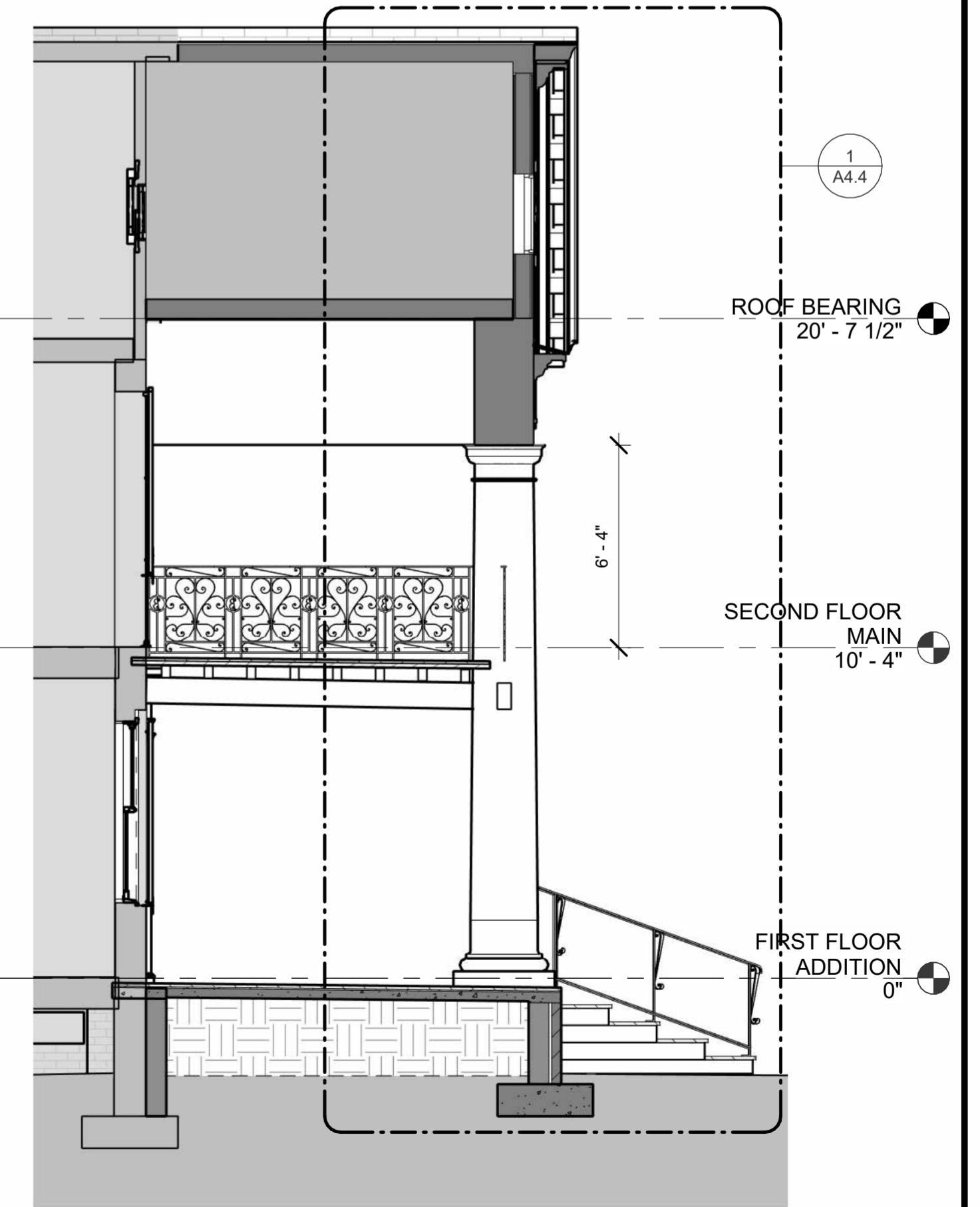
5 Section 28  
1/4" = 1'-0"



3 Section 9  
1/4" = 1'-0"



1 Section 23  
1/4" = 1'-0"



2 Section 16  
1/4" = 1'-0"

2/19/2024 10:15:53 AM

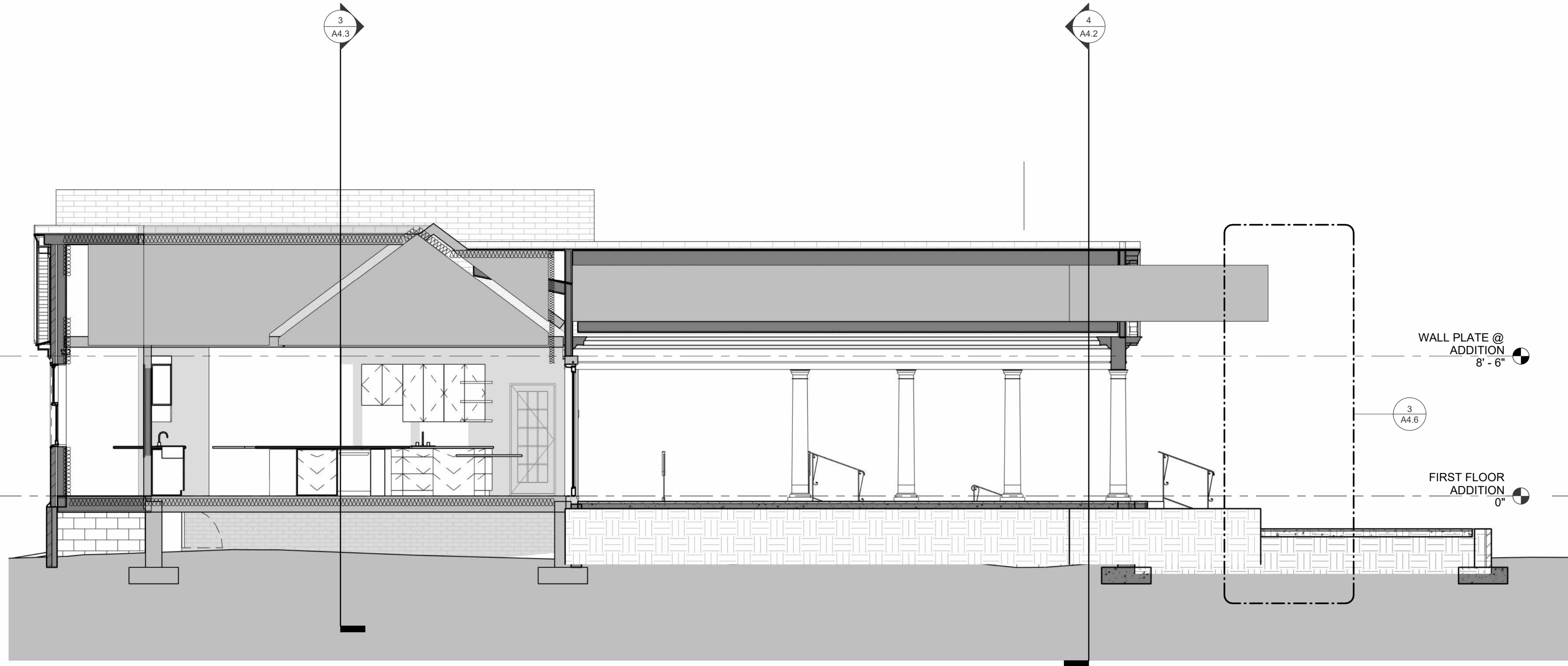
BUILDING SECTIONS

CASTLE HILL PLANTATION RENOVATION

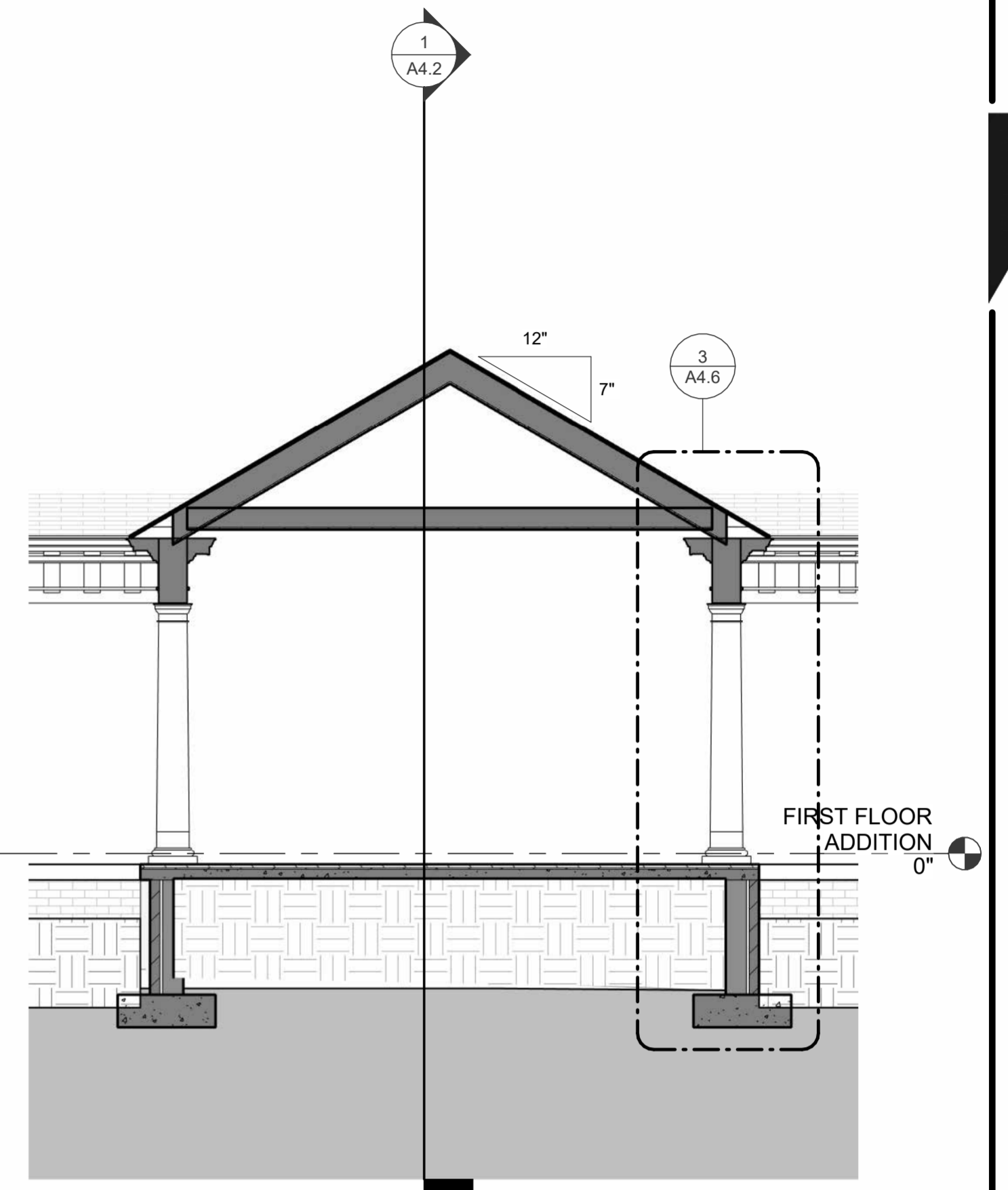
331 CASTLE HALL RD, YEMASSEE, SC

2024-2-8  
REVIEW

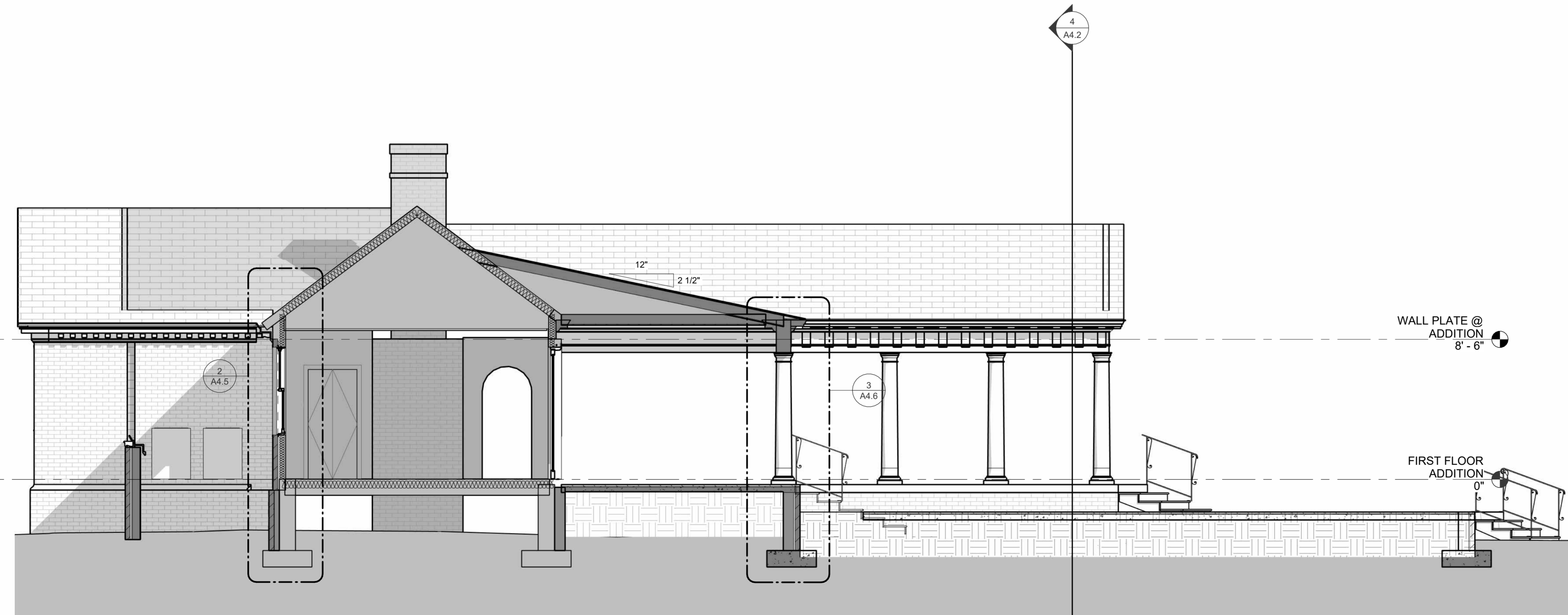
A4.1



① Section 20  
1/4" = 1'-0"

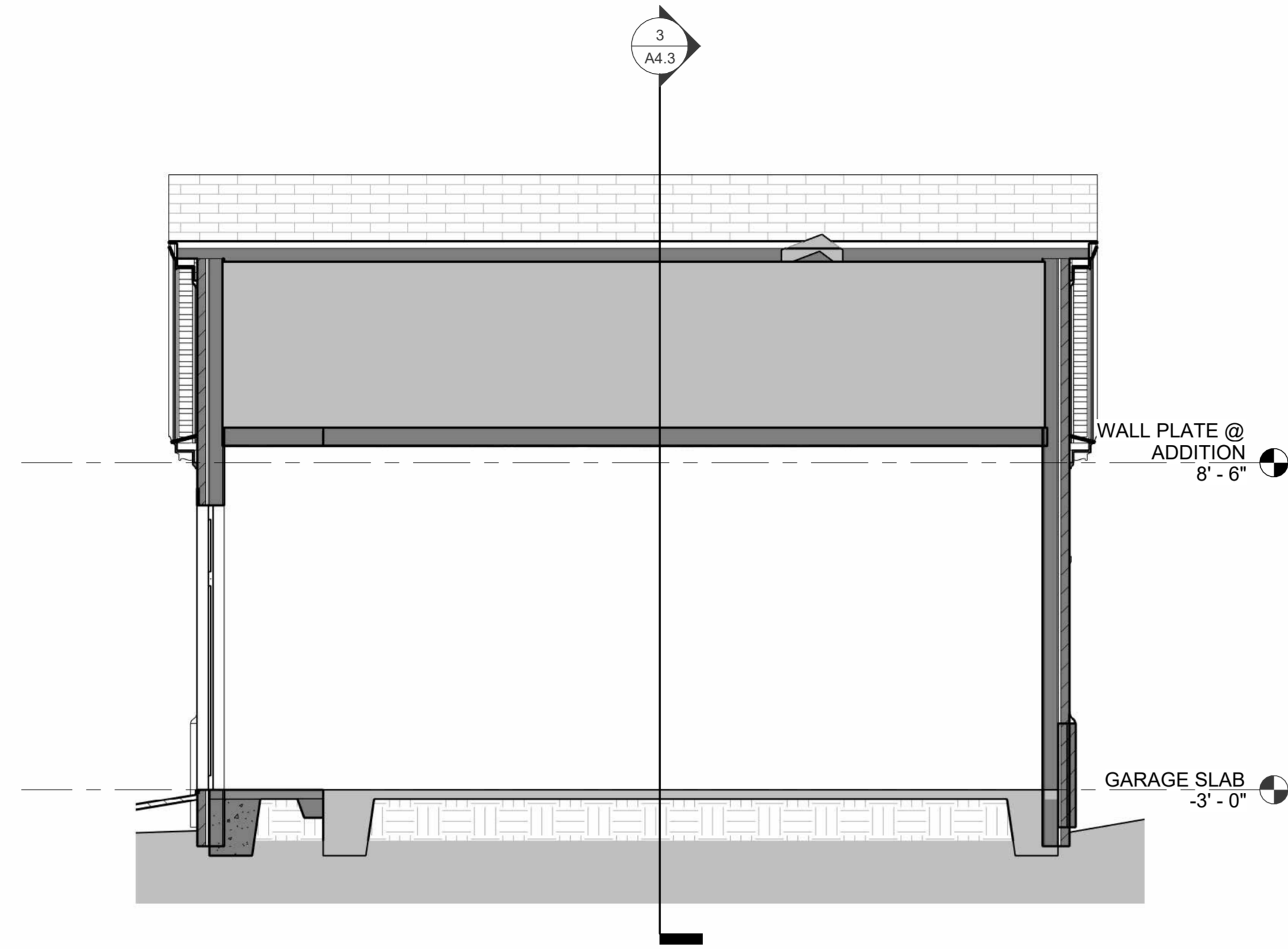


④ Section 29  
1/4" = 1'-0"



② Section 24  
1/4" = 1'-0"

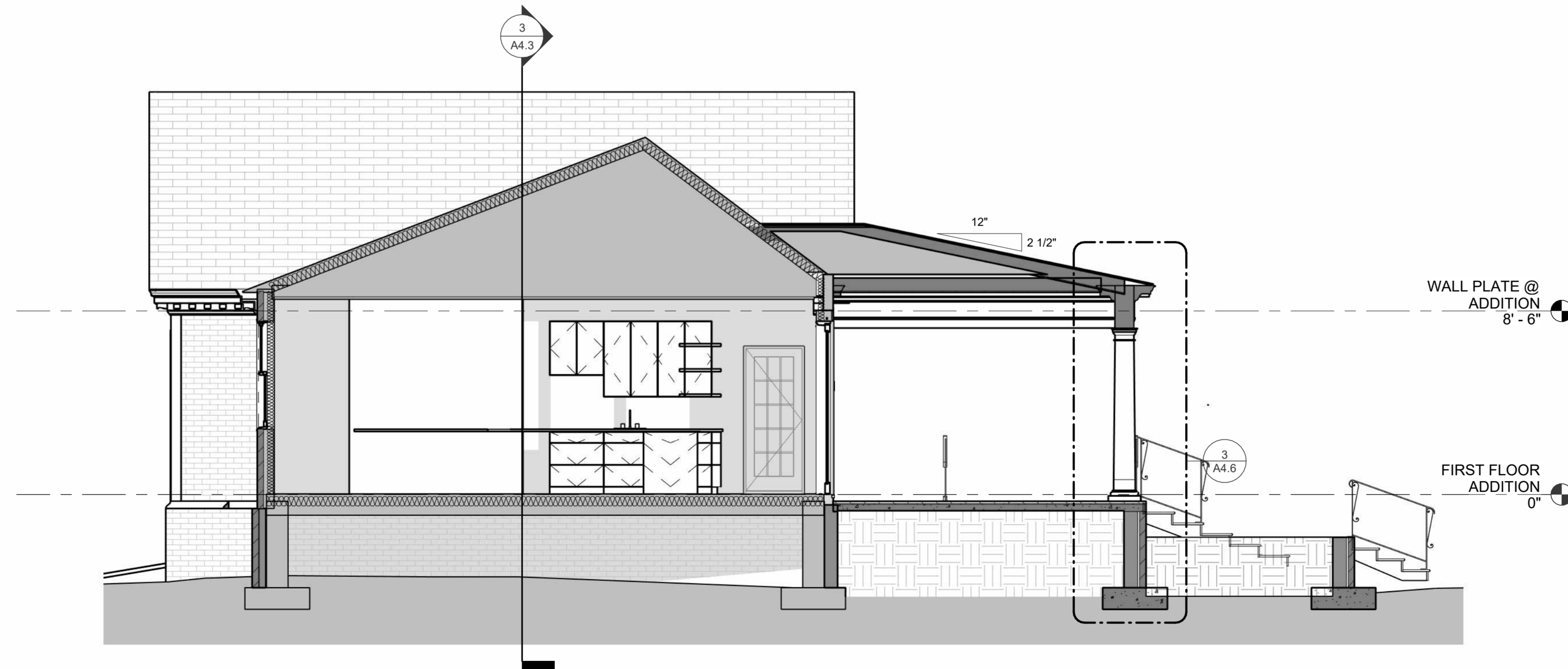
2/16/2024 10:15:55 AM



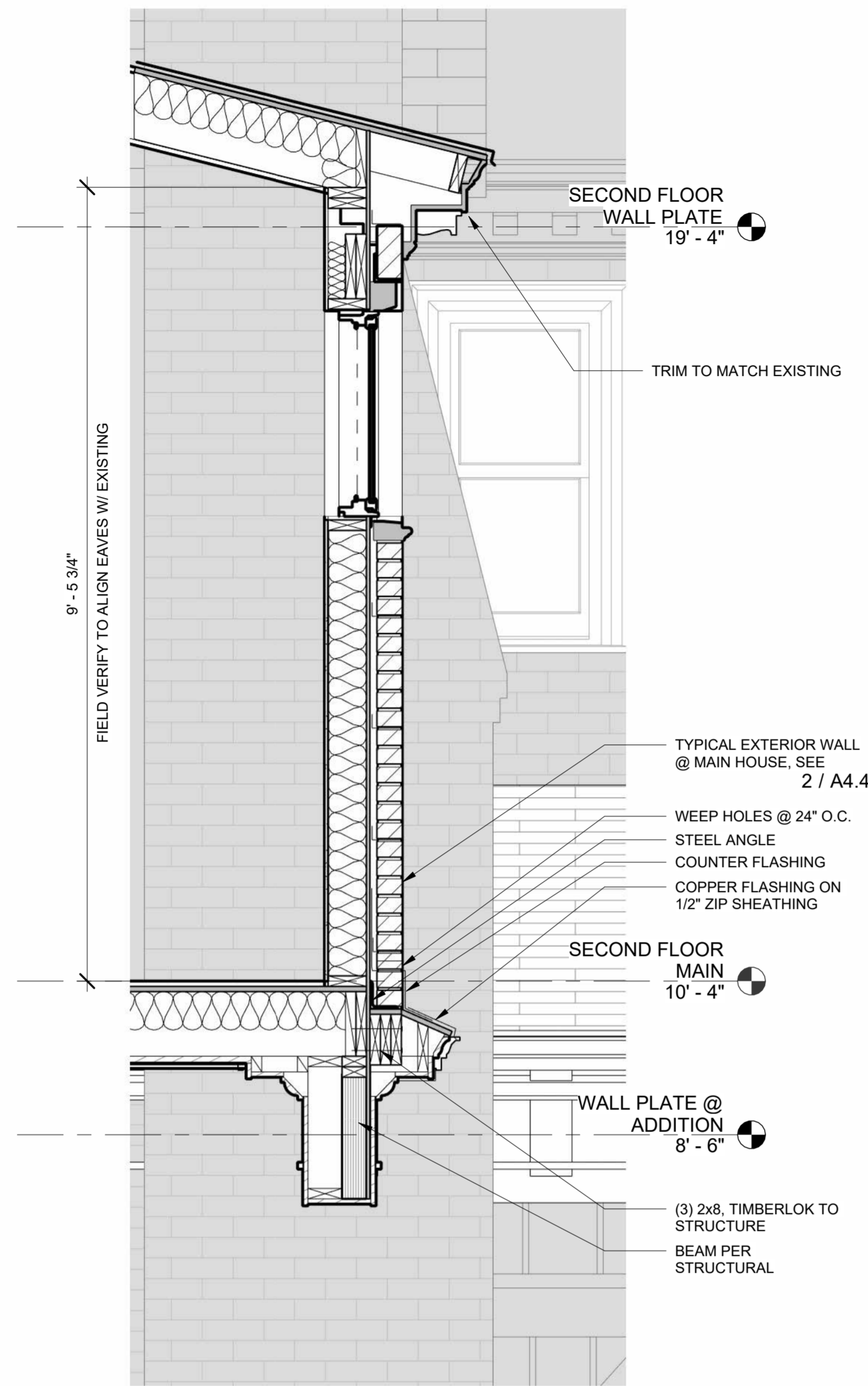
① Section 25  
 1/4" = 1'-0"



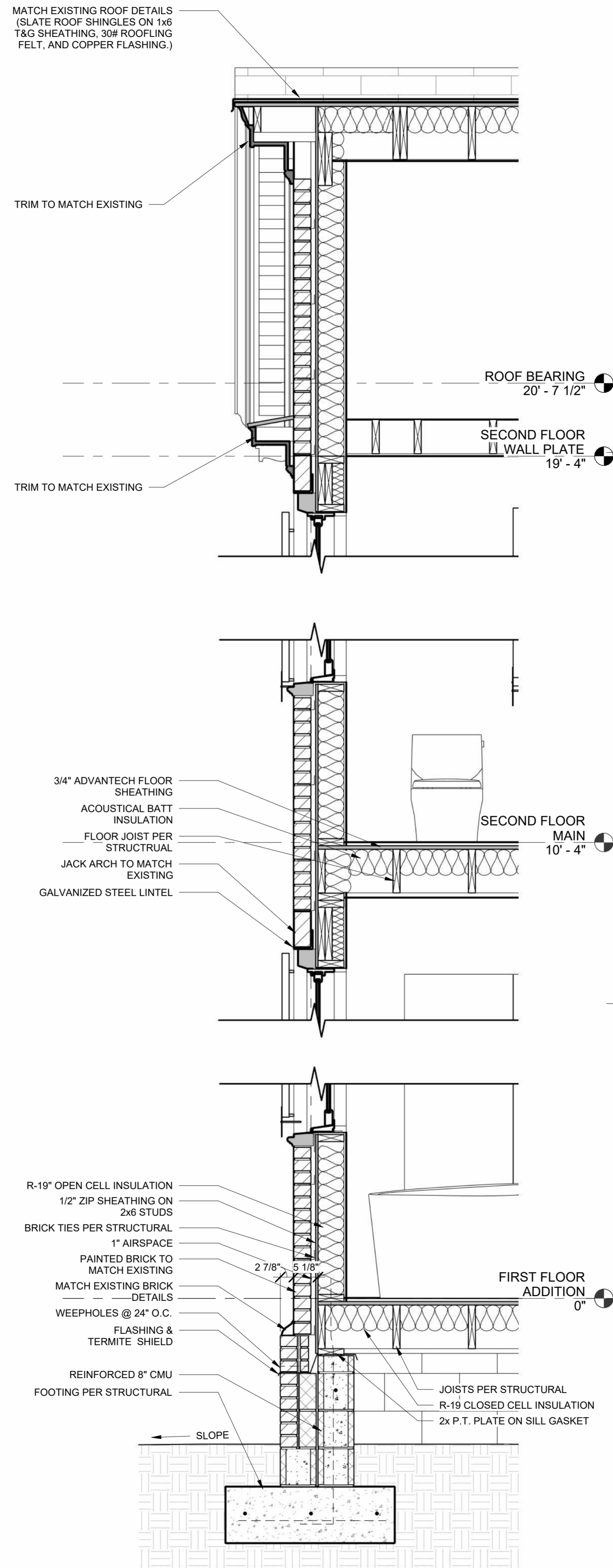
③ Section 26  
 1/4" = 1'-0"



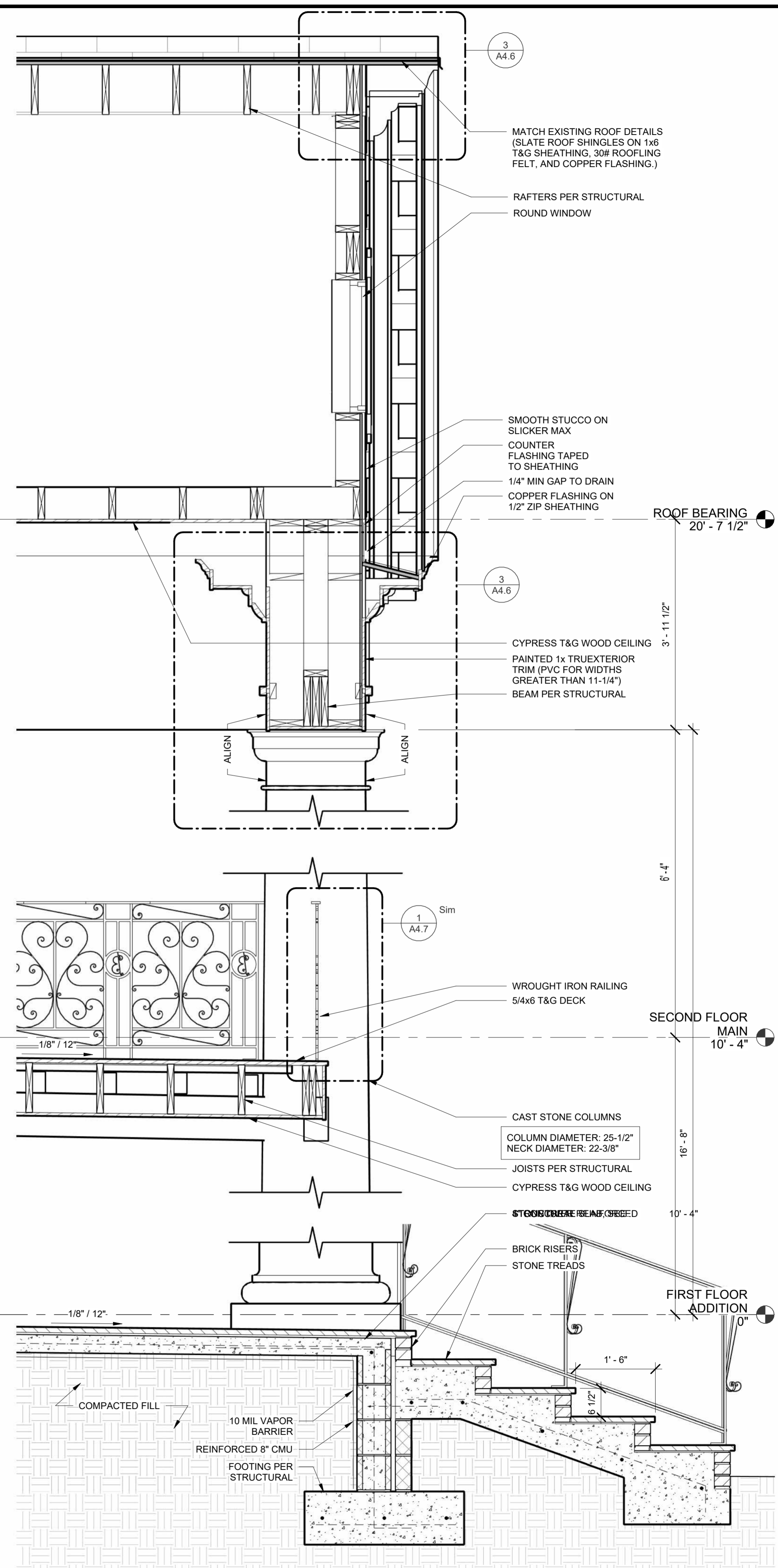
② Section 18  
 1/4" = 1'-0"



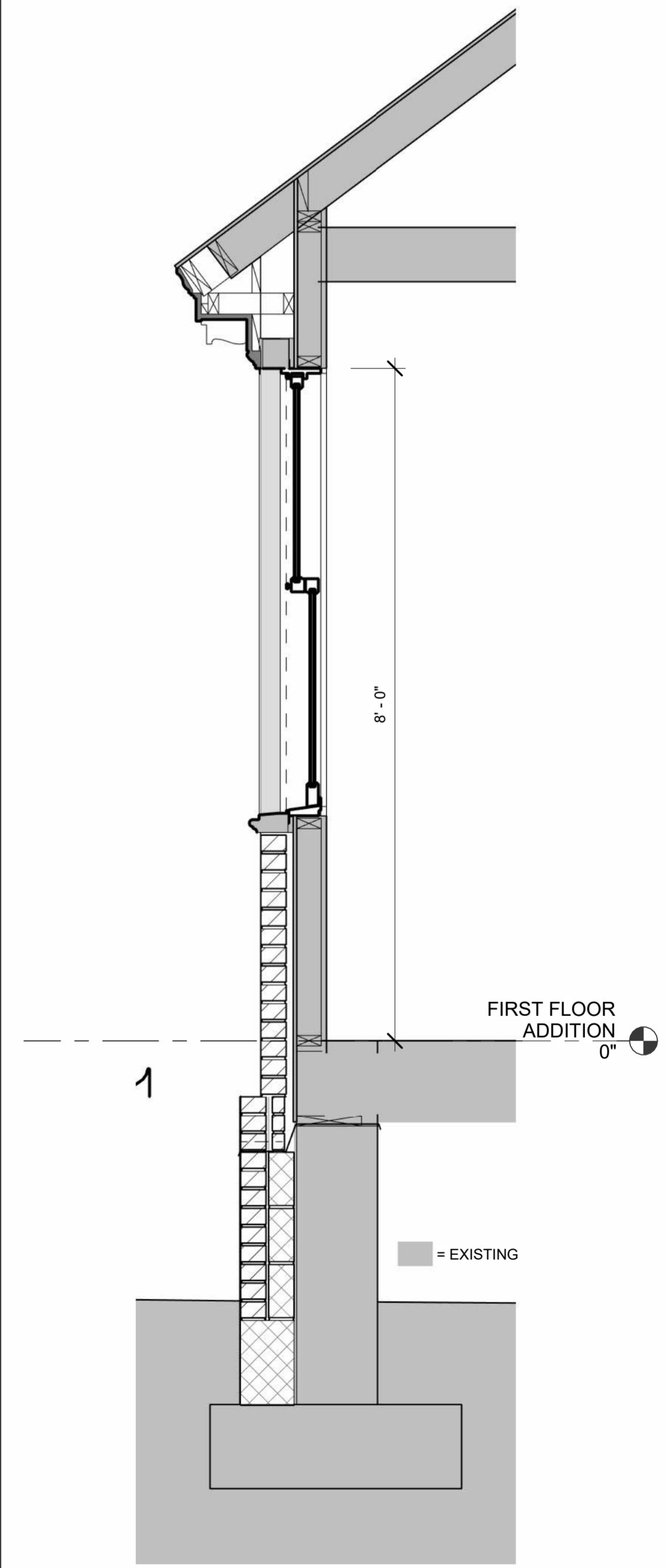
③ Section 27 - Callout 3  
 3/4" = 1'-0"



② Section 23 - Callout 1  
 3/4" = 1'-0"



① Section 16 - Callout 1  
 3/4" = 1'-0"



② Section 24 - Callout 1  
3/4" = 1'-0"

WALL SECTIONS

CASTLE HILL PLANTATION RENOVATION

331 CASTLE HALL RD, YEMASSEE, SC

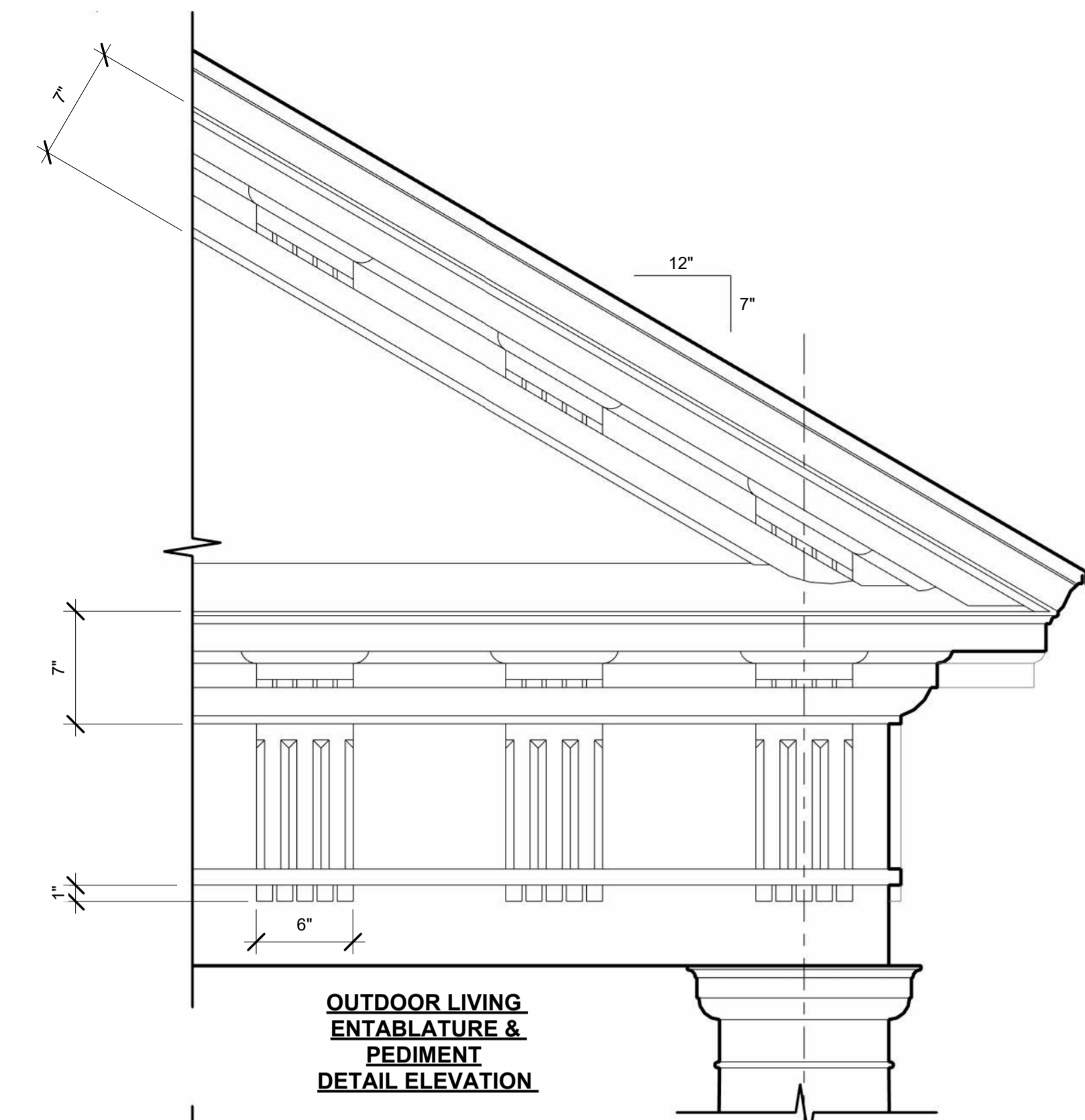
2024-2-8  
REVIEW

A4.5

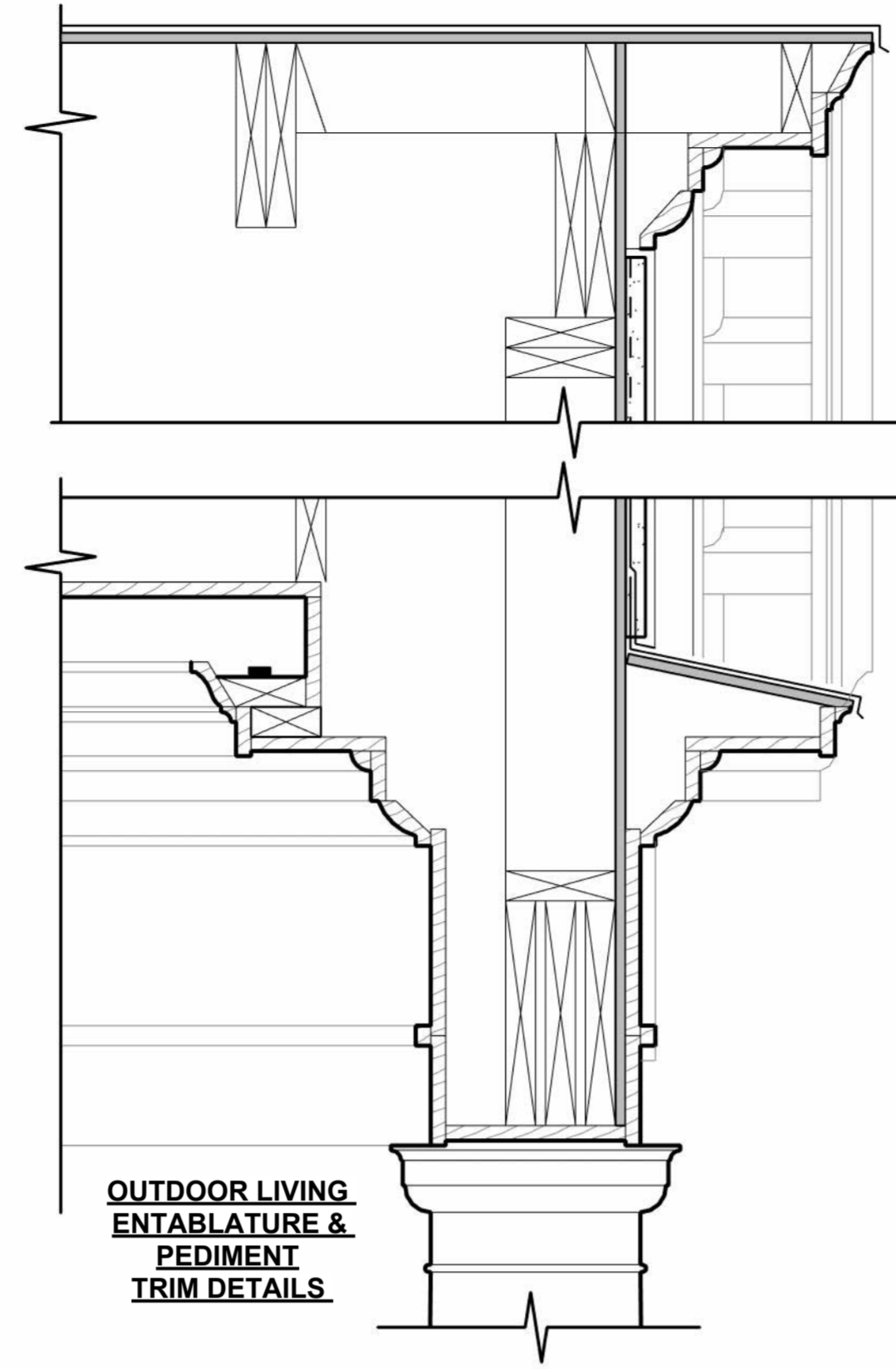
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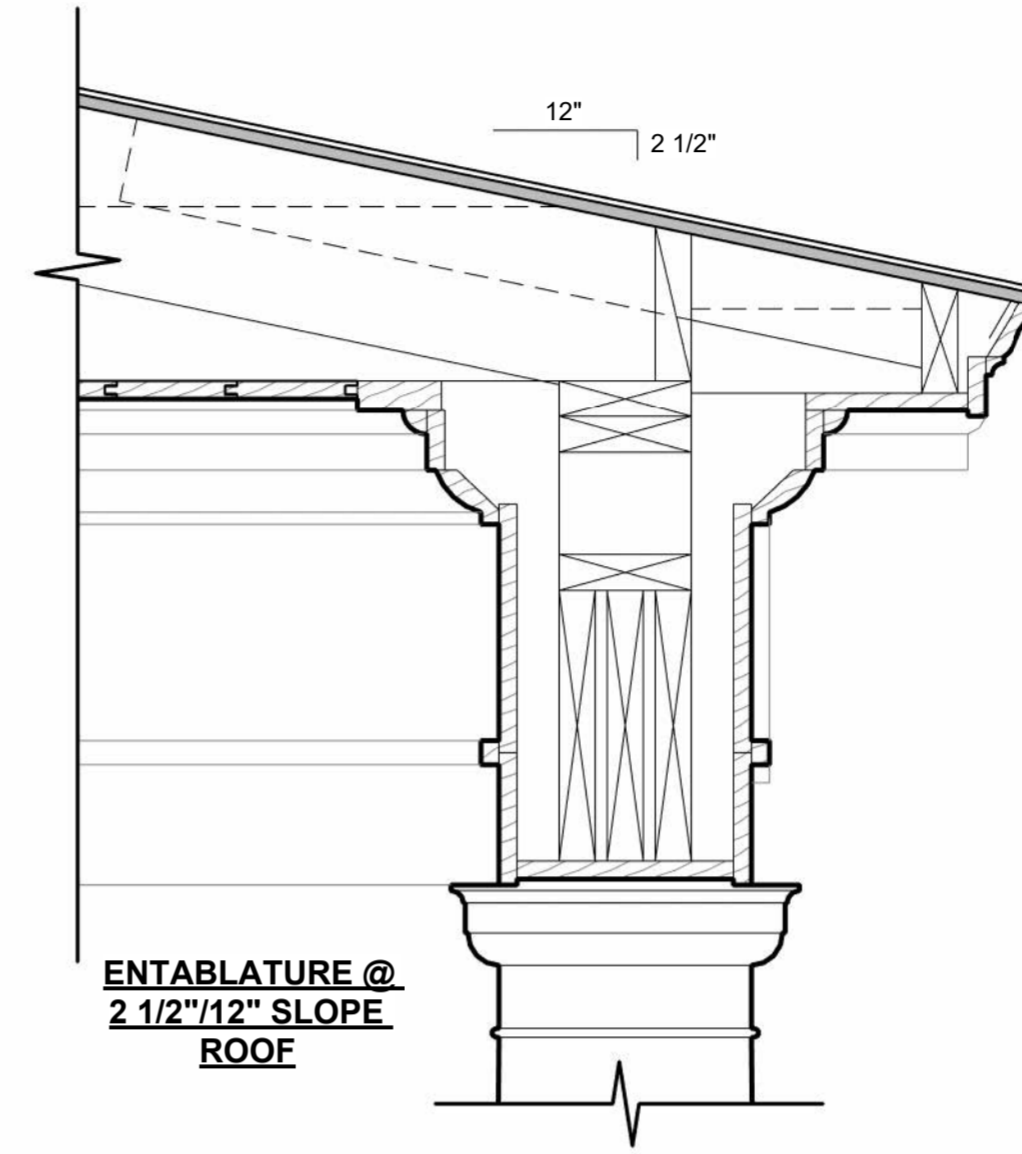
2/19/2024 10:16:00 AM



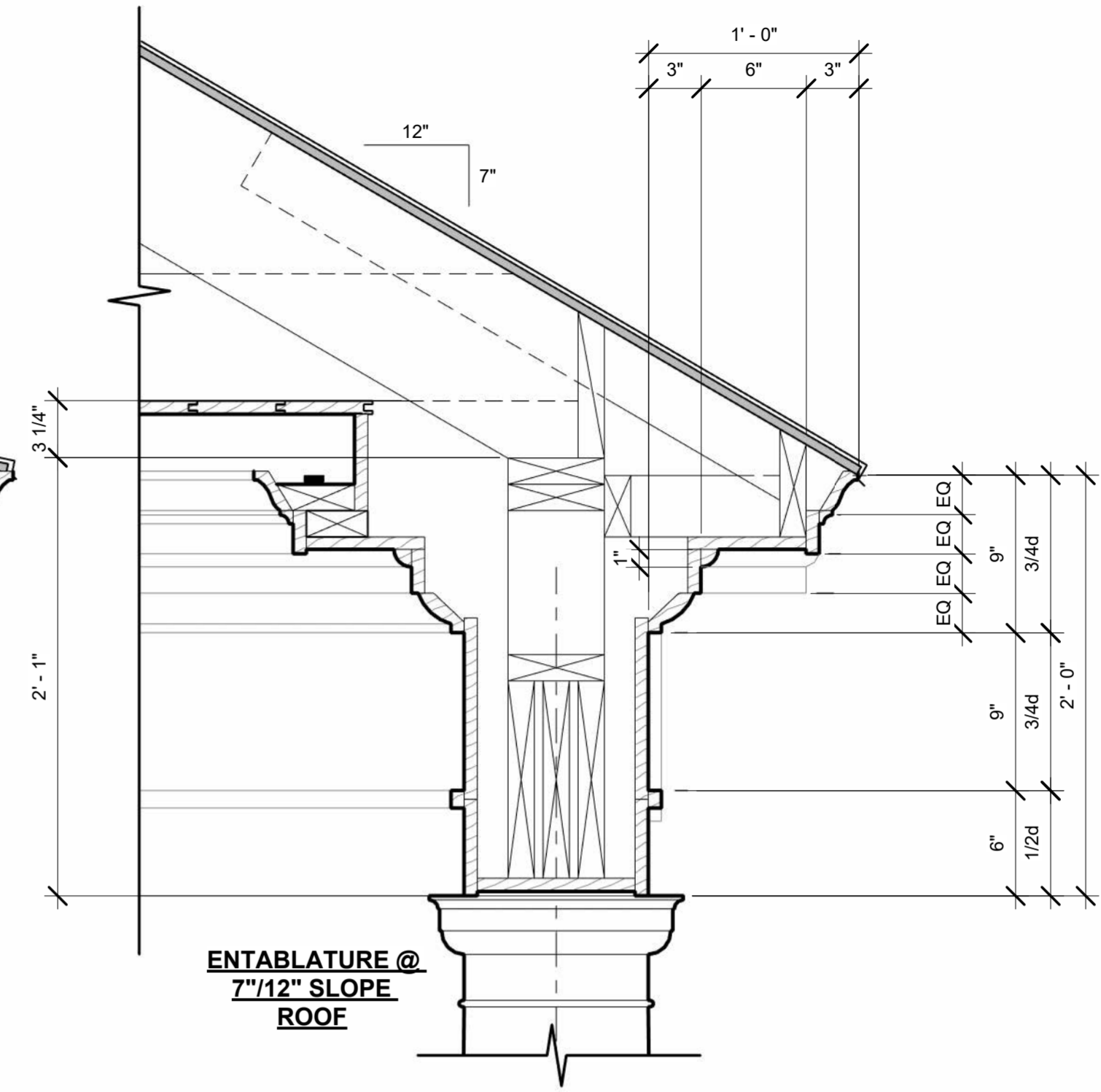
**OUTDOOR LIVING ENTABLATURE & PEDIMENT DETAIL ELEVATION**



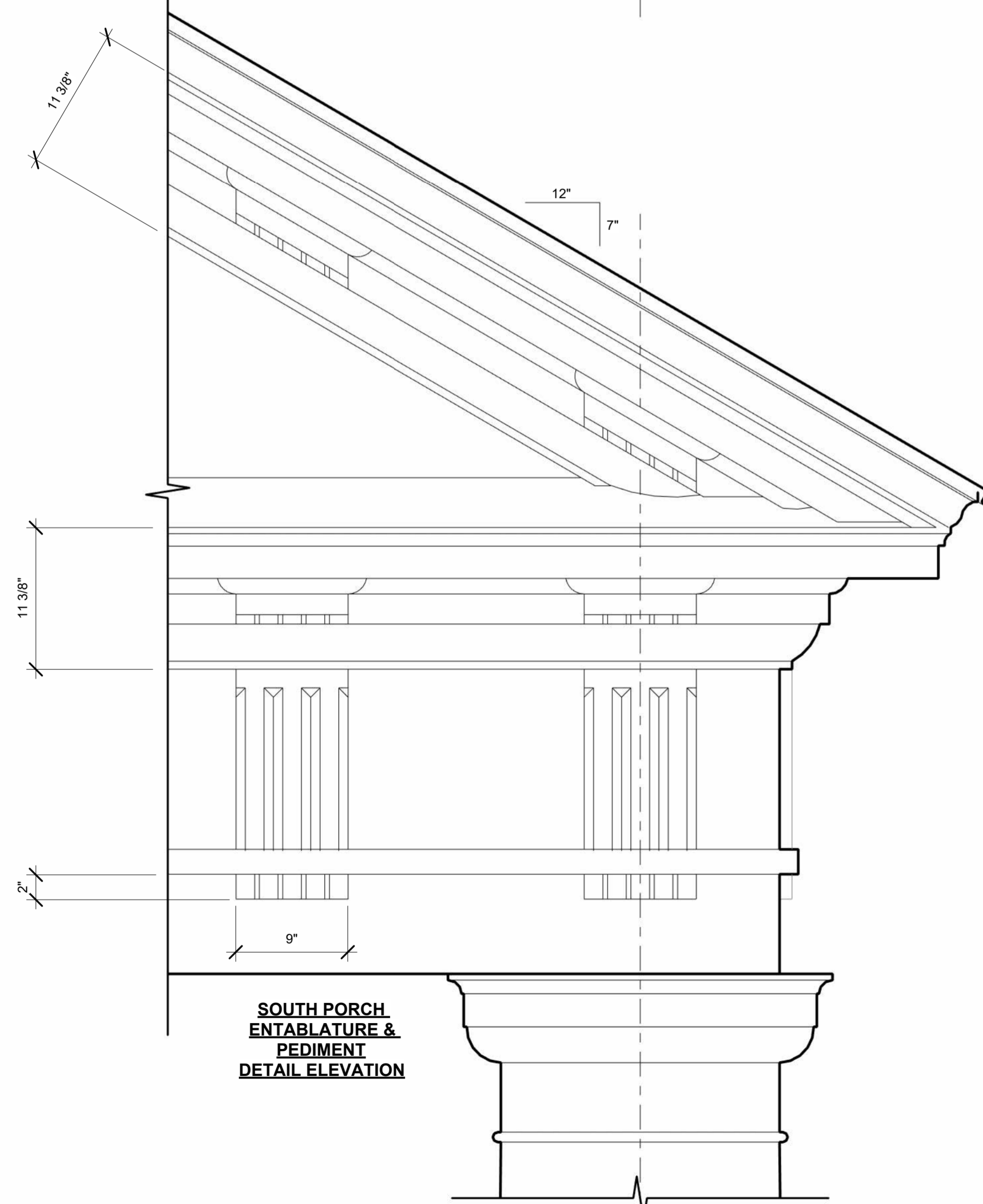
**OUTDOOR LIVING ENTABLATURE & PEDIMENT TRIM DETAILS**



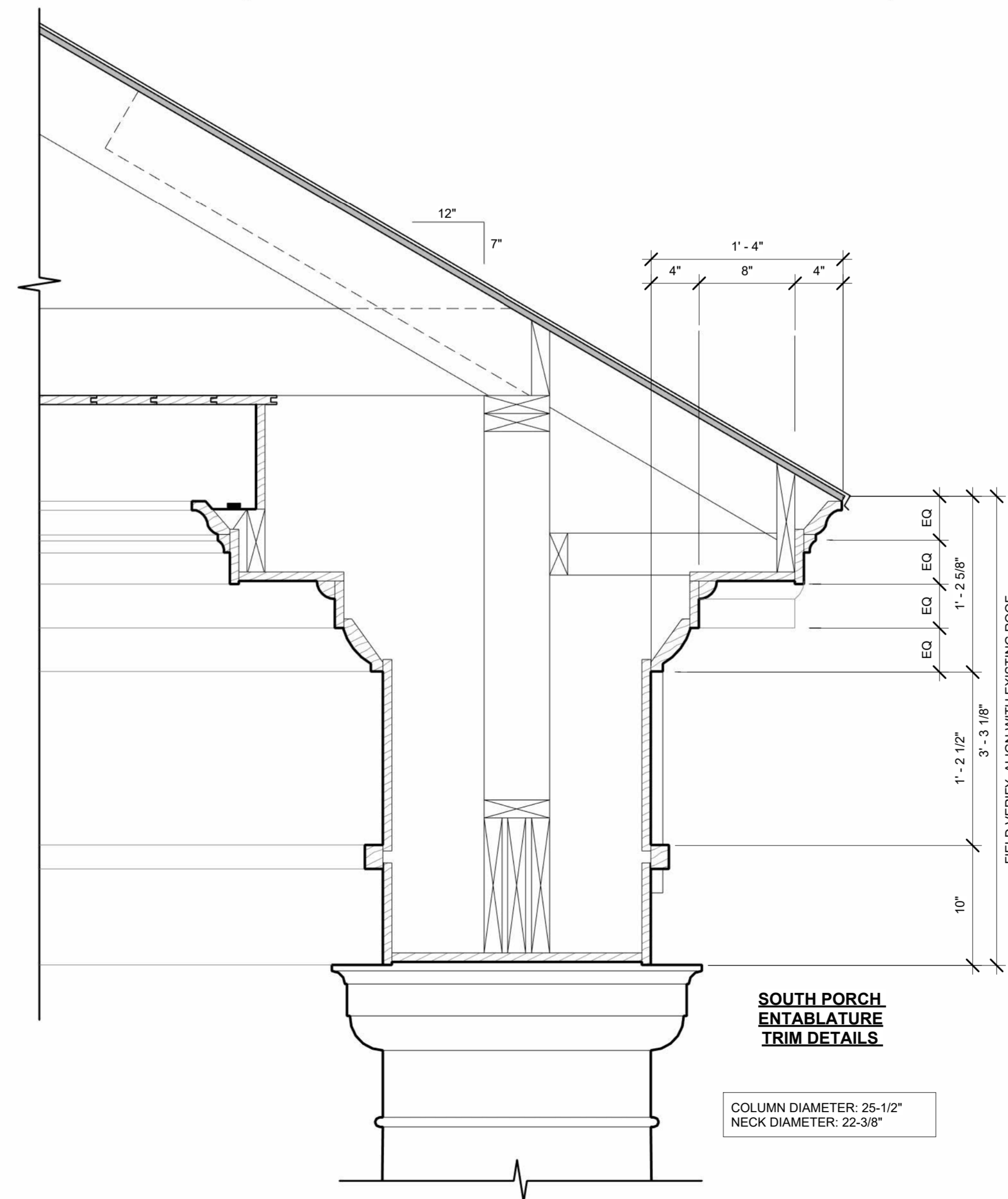
**ENTABLATURE @ 2 1/2"/12" SLOPE ROOF**



**ENTABLATURE @ 7"/12" SLOPE ROOF**



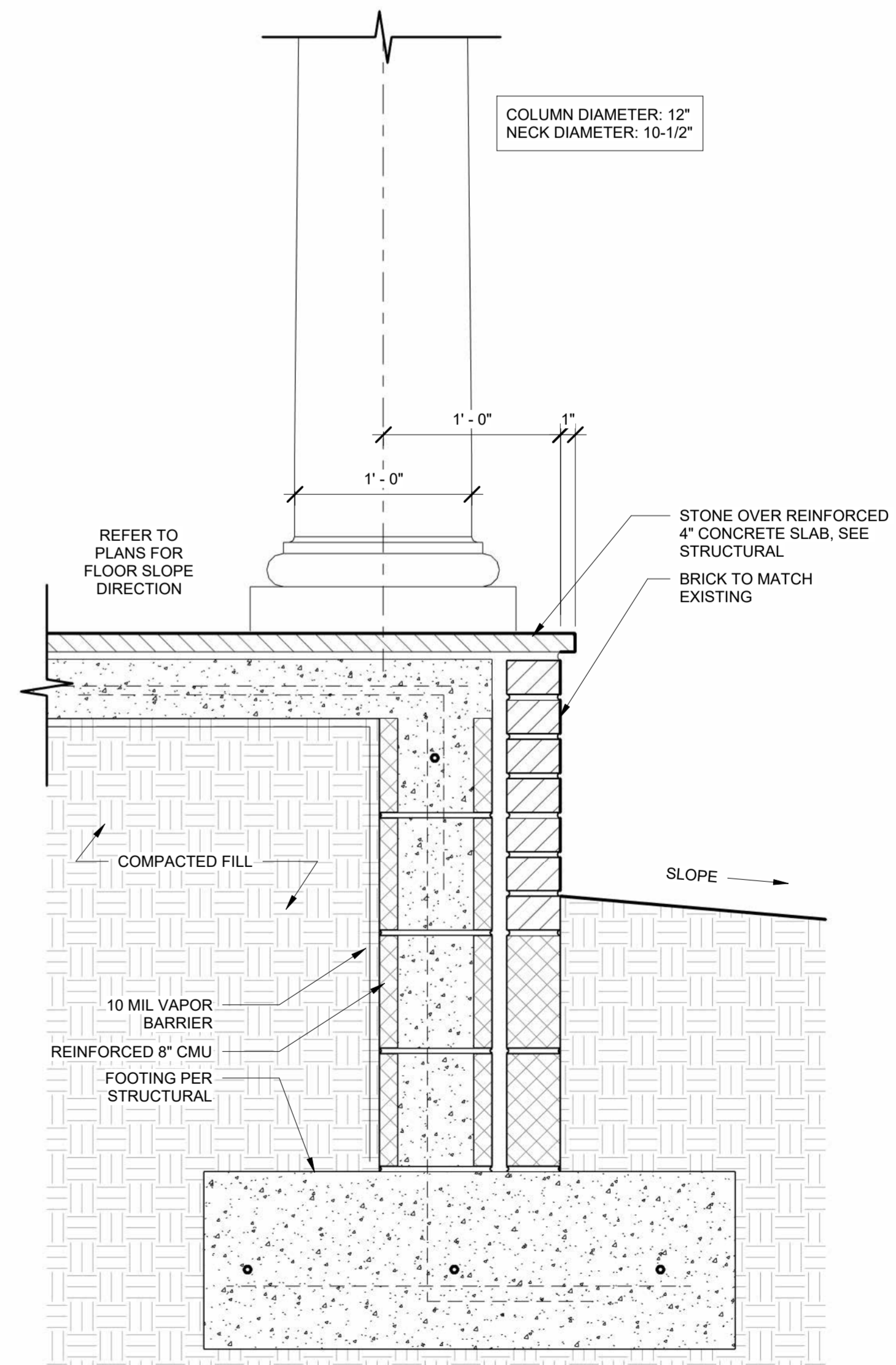
**SOUTH PORCH ENTABLATURE & PEDIMENT DETAIL ELEVATION**



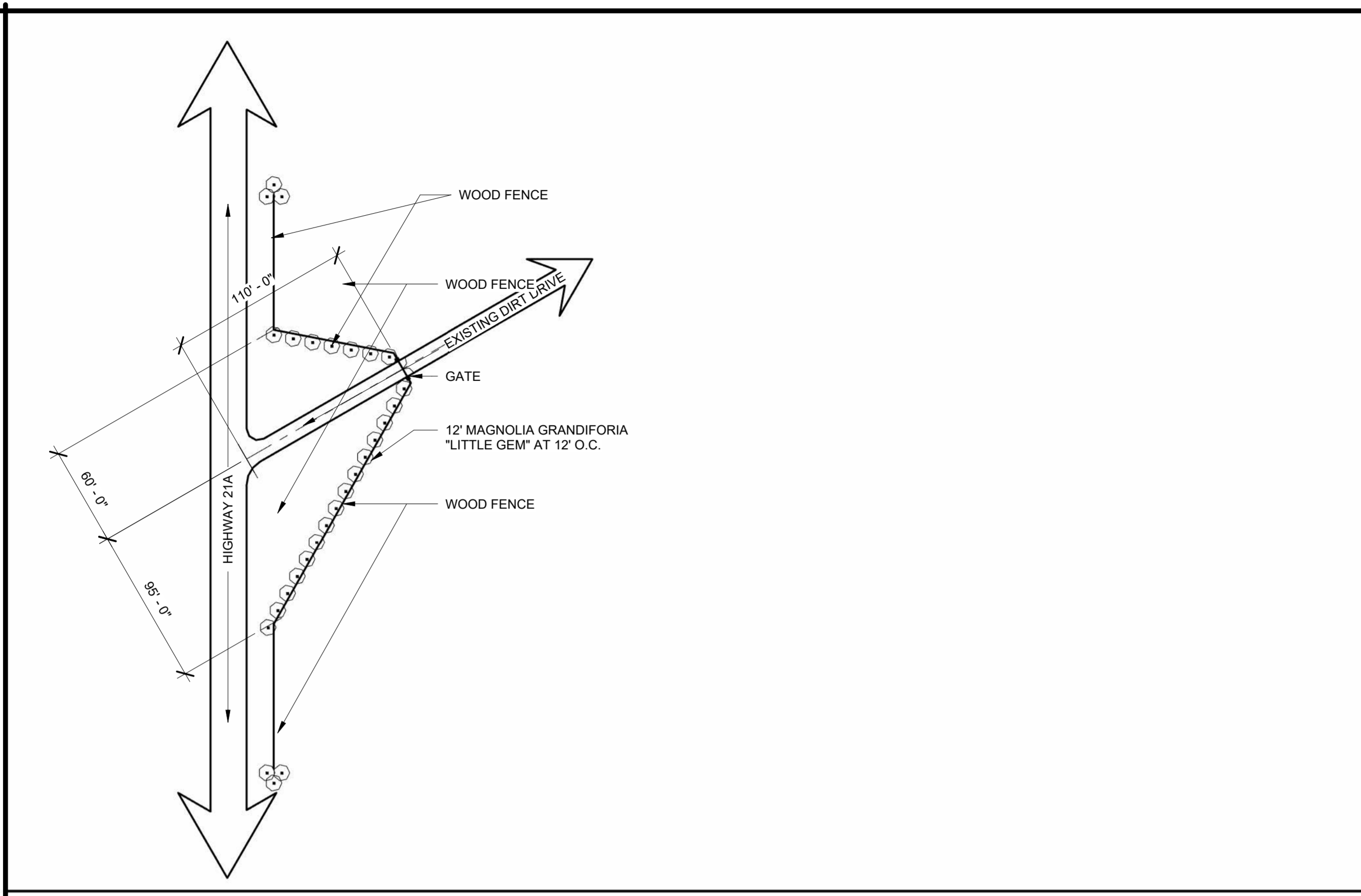
**SOUTH PORCH ENTABLATURE TRIM DETAILS**

COLUMN DIAMETER: 25-1/2"  
NECK DIAMETER: 22-3/8"

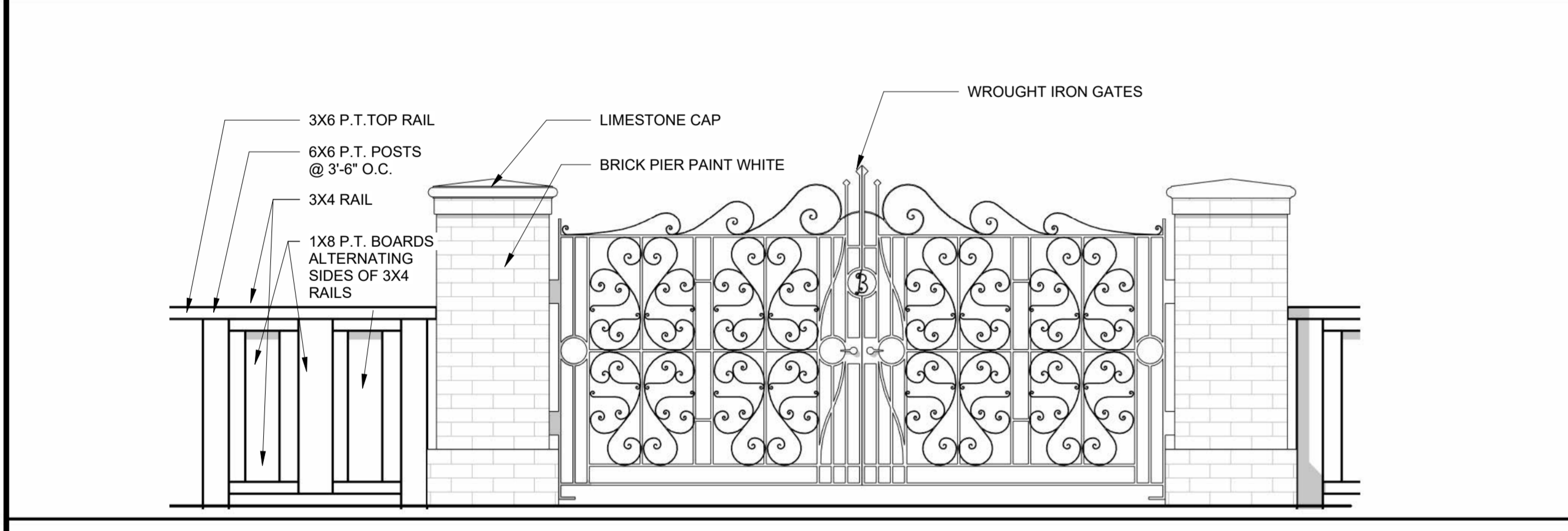
FIELD VERIFY, ALIGN WITH EXISTING ROOF



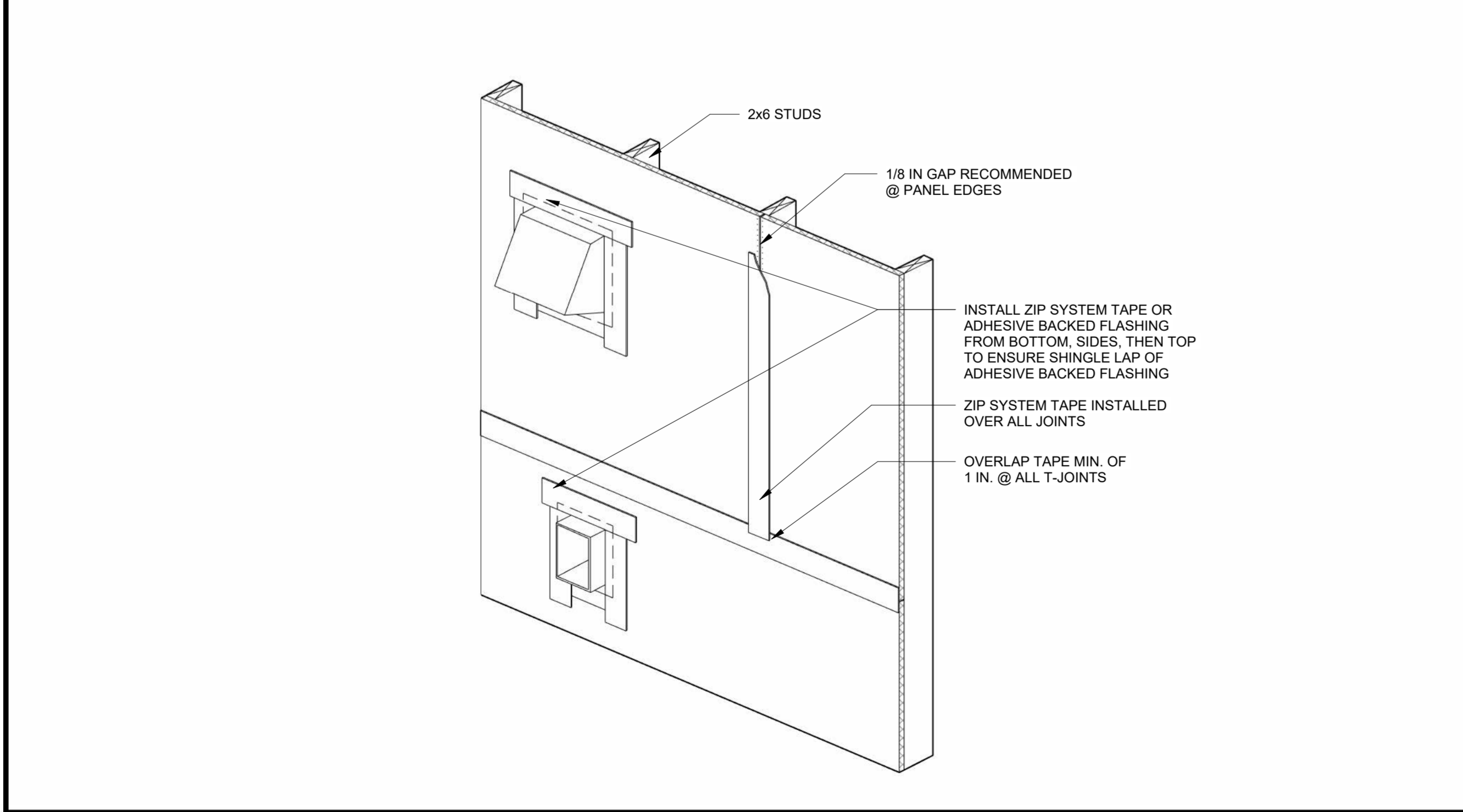
COLUMN DIAMETER: 12"  
NECK DIAMETER: 10-1/2"



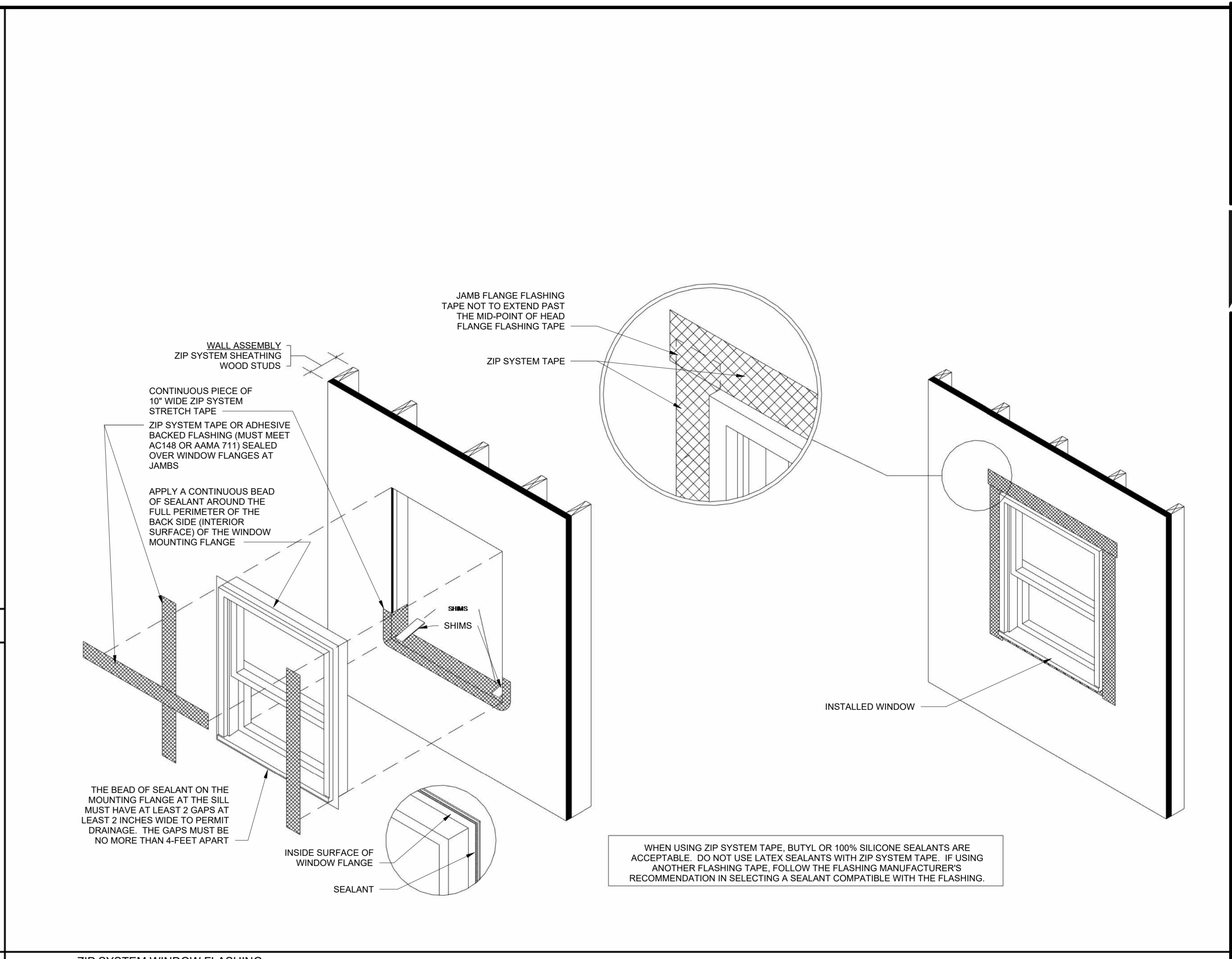
4 GATE SITE PLAN  
 1" = 60'-0"



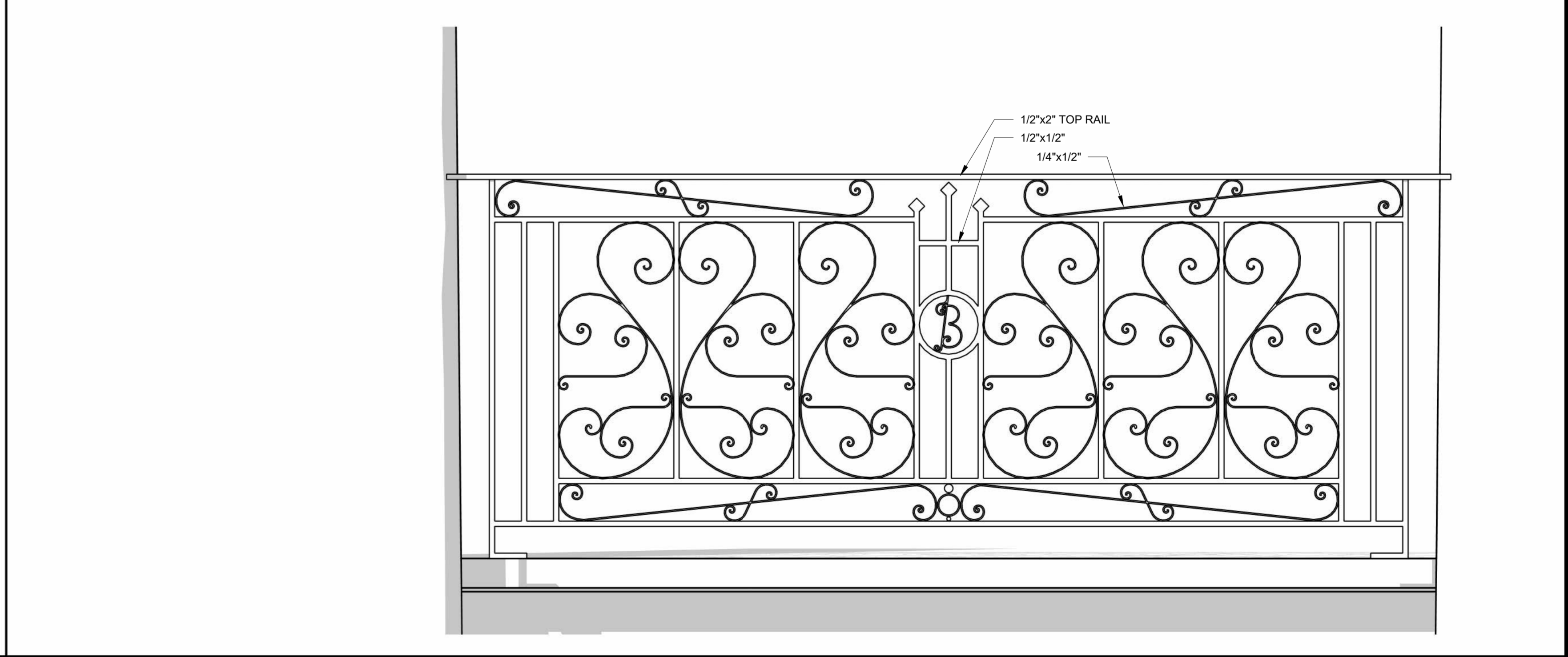
5 GATE ELEVATION  
 1/2" = 1'-0"



2 ZIP SHEATHING @ TYP. PENETRATIONS  
 1/2" = 1'-0"

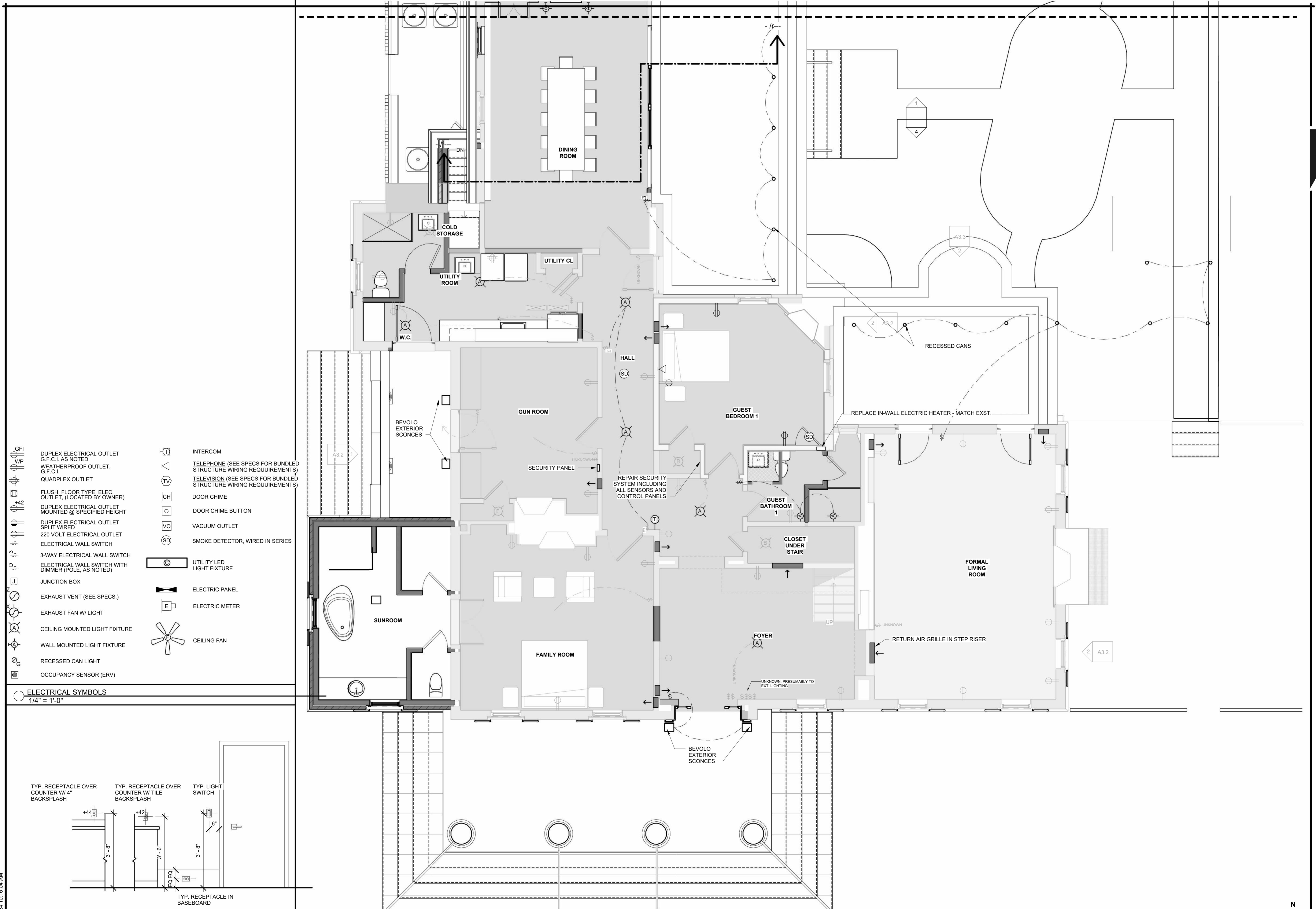


3 ZIP SYSTEM WINDOW FLASHING  
 3/4" = 1'-0"



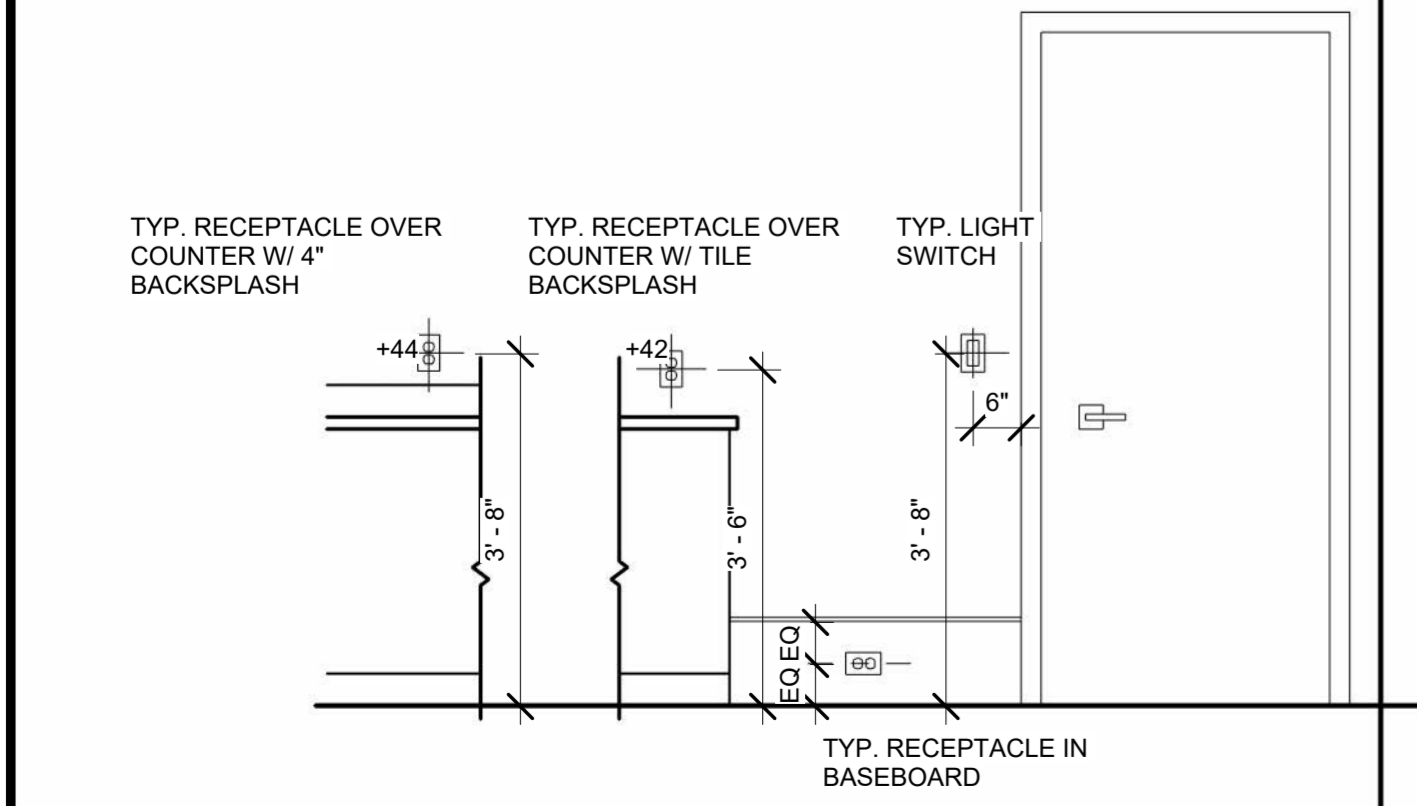
1 EXTERIOR RAILING DETAIL  
 1 1/2" = 1'-0"

2/19/2024 10:16:02 AM



- |  |  |  |   |
|--|--|--|---|
|  | DUPLEX ELECTRICAL OUTLET<br>G.F.C.I. AS NOTED          |  | INTERCOM  |
|  | WEATHERPROOF OUTLET,<br>G.F.C.I.                       |  | TELEPHONE (SEE SPECS FOR BUNDLED<br>STRUCTURE WIRING REQUIREMENTS)  |
|  | QUADPLEX OUTLET  |  | TELEVISION (SEE SPECS FOR BUNDLED<br>STRUCTURE WIRING REQUIREMENTS) |
|  | FLUSH FLOOR TYPE, ELEC.<br>OUTLET, (LOCATED BY OWNER)  |  | DOOR CHIME  |
|  | DUPLEX ELECTRICAL OUTLET<br>MOUNTED @ SPECIFIED HEIGHT |  | DOOR CHIME BUTTON   |
|  | DUPLEX ELECTRICAL OUTLET<br>SPLIT WIRED                |  | VACUUM OUTLET   |
|  | 220 VOLT ELECTRICAL OUTLET                             |  | SMOKE DETECTOR, WIRED IN SERIES                                     |
|  | ELECTRICAL WALL SWITCH                                 |  | UTILITY LED<br>LIGHT FIXTURE  |
|  | 3-WAY ELECTRICAL WALL SWITCH                           |  | ELECTRIC PANEL  |
|  | ELECTRICAL WALL SWITCH WITH<br>DIMMER (POLE, AS NOTED) |  | ELECTRIC METER  |
|  | JUNCTION BOX   |  | CEILING FAN   |
|  | EXHAUST VENT (SEE SPECS.)                              |  |   |
|  | EXHAUST FAN W/ LIGHT                                   |  |   |
|  | CEILING MOUNTED LIGHT FIXTURE                          |  |   |
|  | WALL MOUNTED LIGHT FIXTURE                             |  |   |
|  | RECESSED CAN LIGHT                                     |  |   |
|  | OCCUPANCY SENSOR (ERV)                                 |  |   |

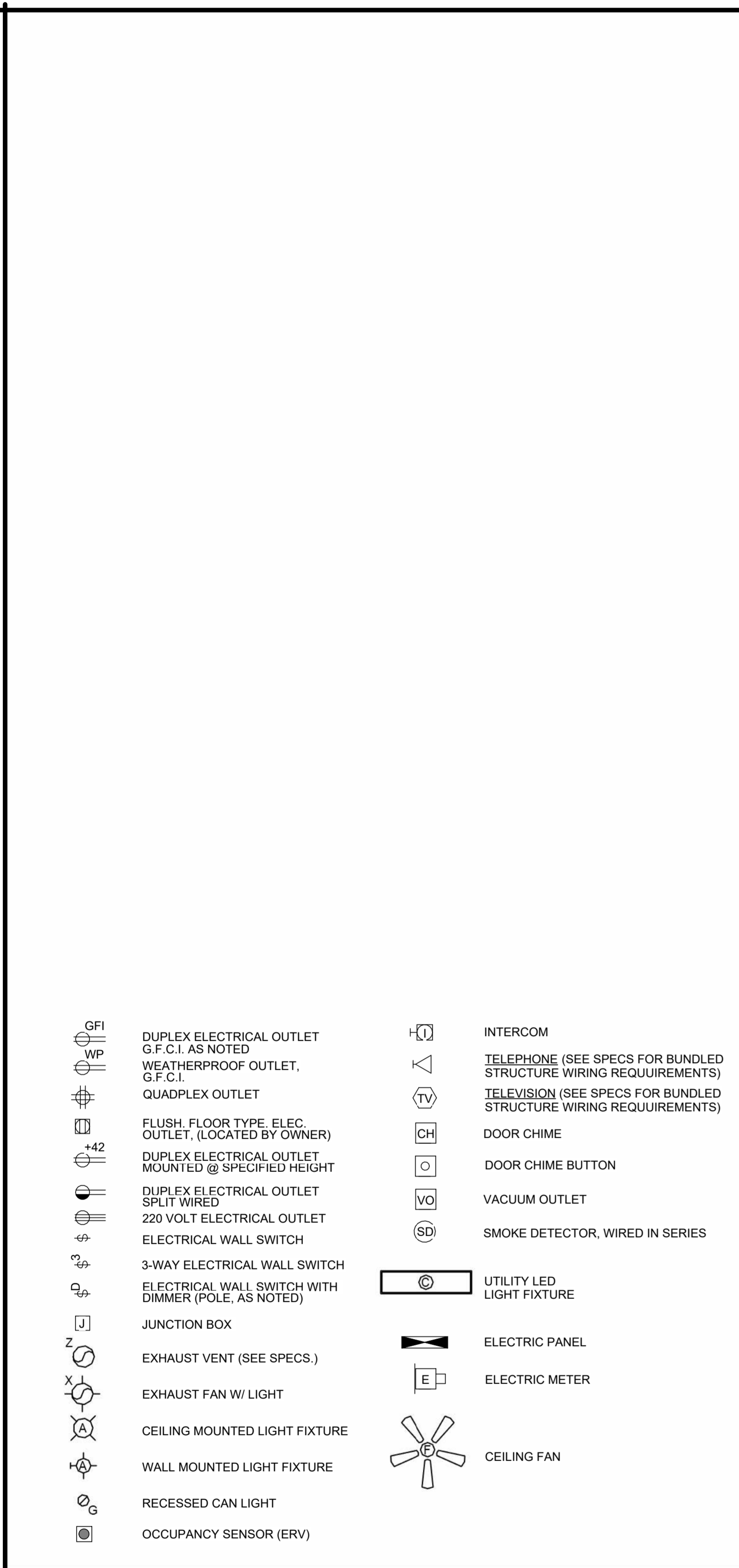
**ELECTRICAL SYMBOLS**  
 1/4" = 1'-0"



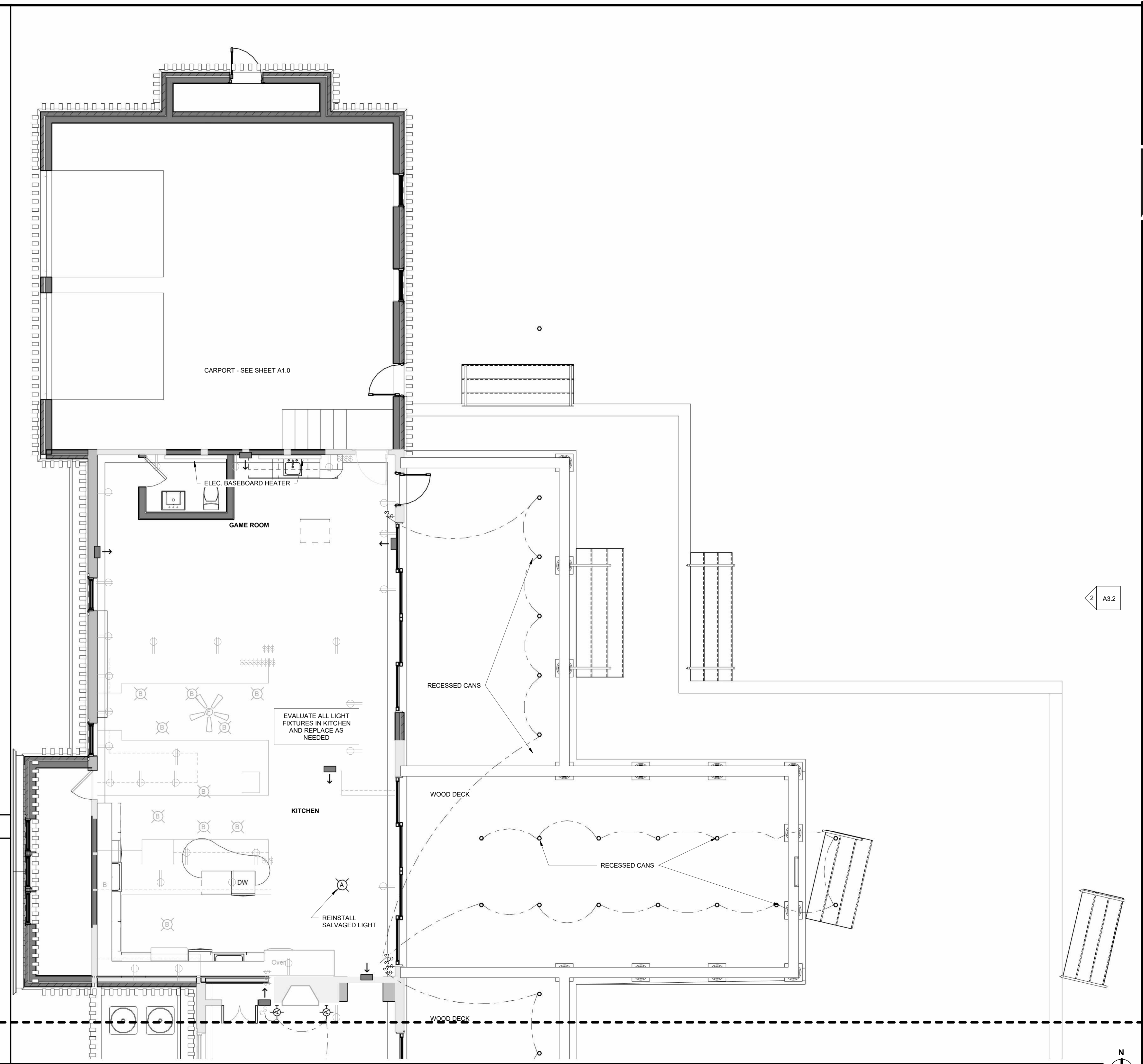
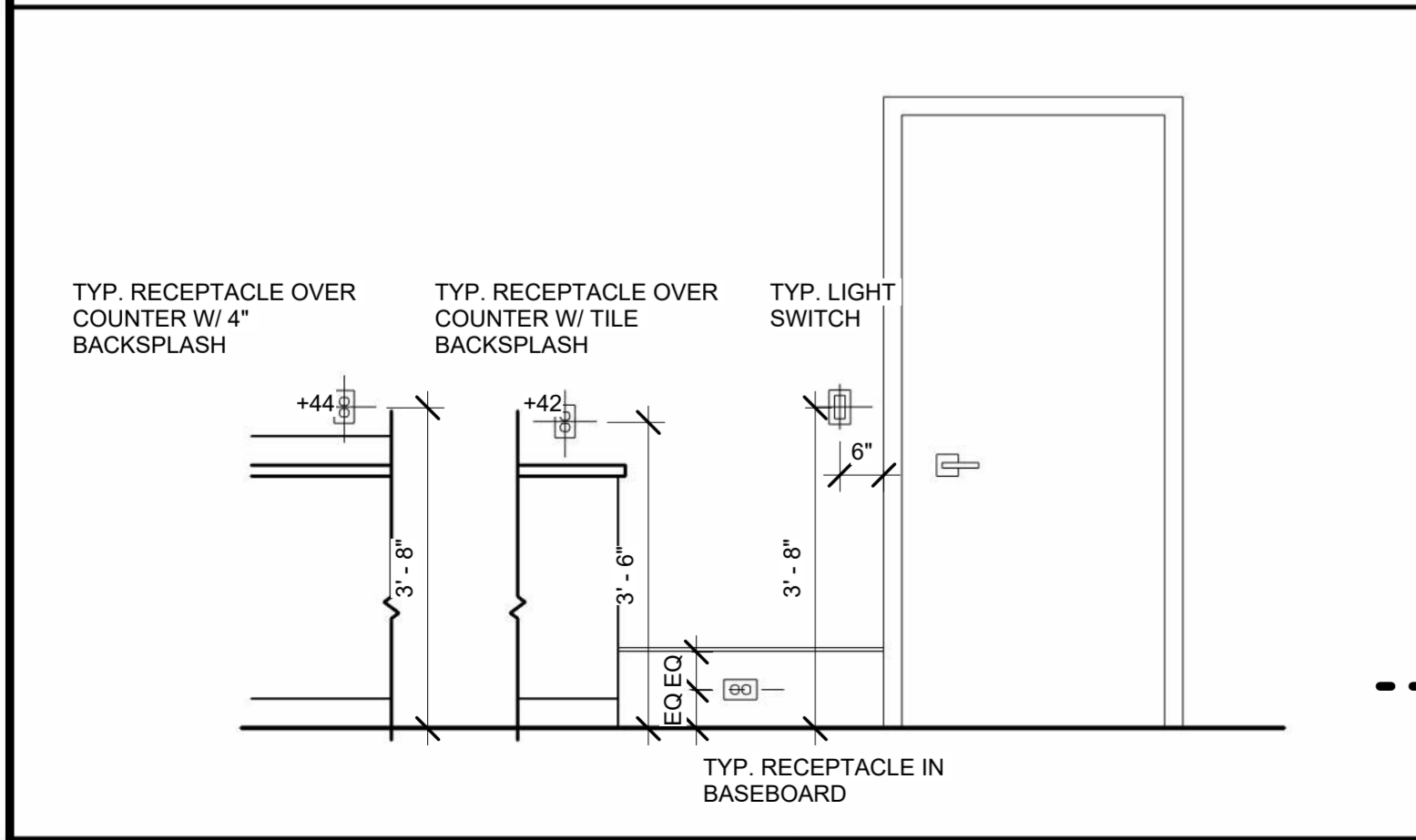
**ELEC. FIXTURE DIAGRAM**  
 1/2" = 1'-0"

**FIRST FLOOR MAIN HOUSE ELEC. PLAN**  
 1/4" = 1'-0"

2/16/2024 10:16:04 AM



**ELECTRICAL SYMBOLS**  
 1/4" = 1'-0"

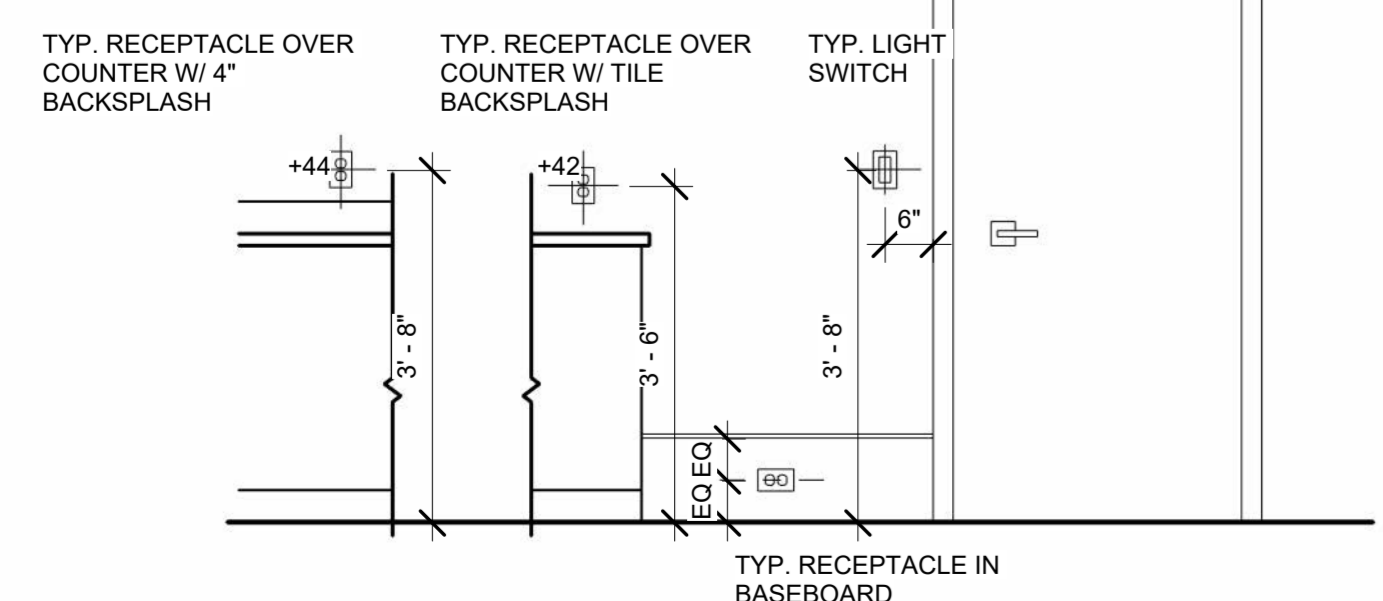
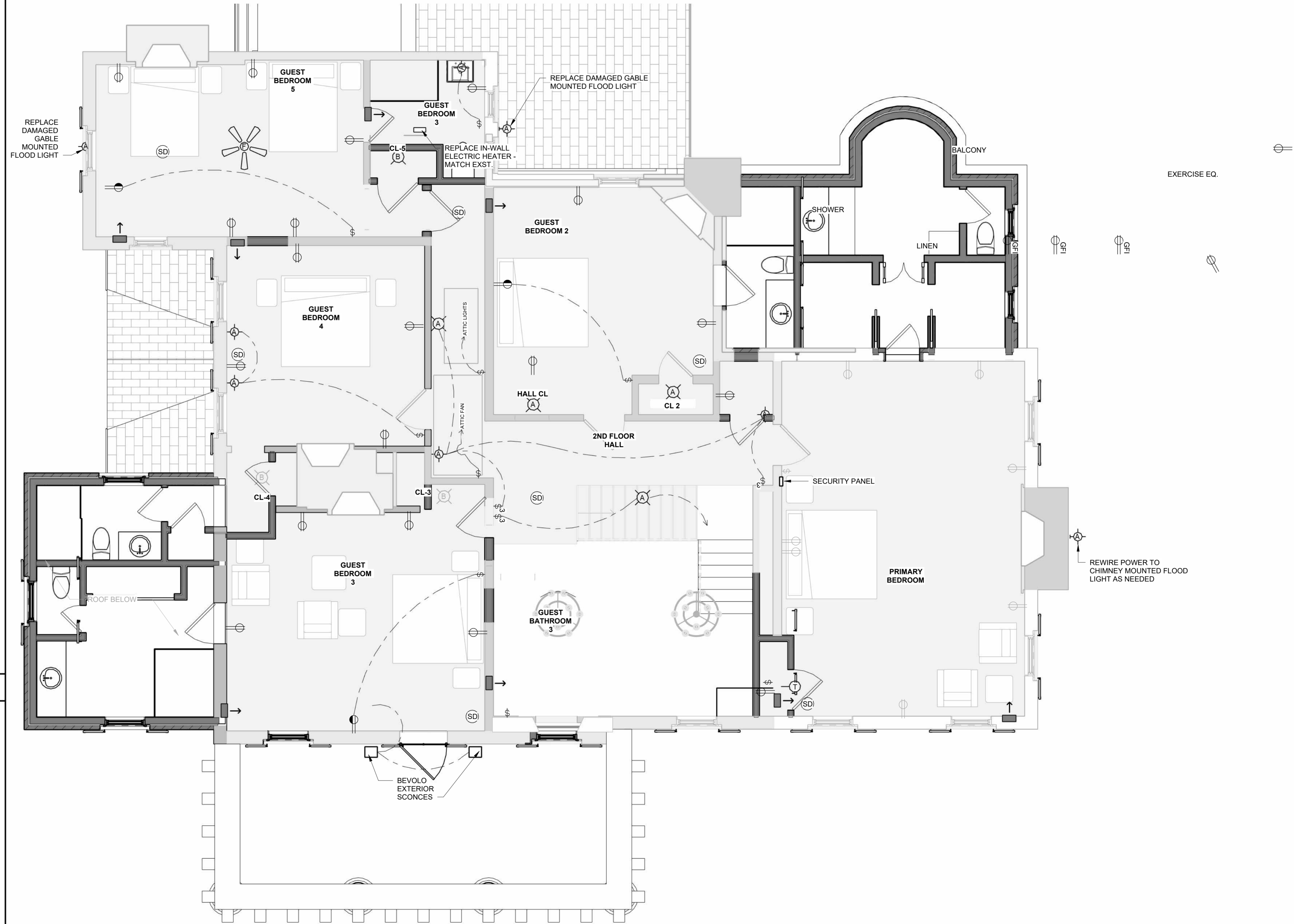


**1 FIRST FLOOR ADDITION ELEC. PLAN**  
 1/4" = 1'-0"

2/16/2024 10:16:06 AM

- GFI
- WEATHERPROOF OUTLET, G.F.C.I.
- QUADPLEX OUTLET
- FLUSH, FLOOR TYPE, ELEC. OUTLET, (LOCATED BY OWNER)
- DUPLEX ELECTRICAL OUTLET MOUNTED @ SPECIFIED HEIGHT
- DUPLEX ELECTRICAL OUTLET SPLIT WIRED
- 220 VOLT ELECTRICAL OUTLET
- ELECTRICAL WALL SWITCH
- 3-WAY ELECTRICAL WALL SWITCH
- ELECTRICAL WALL SWITCH WITH DIMMER (POLE, AS NOTED)
- JUNCTION BOX
- EXHAUST VENT (SEE SPECS.)
- EXHAUST FAN W/ LIGHT
- CEILING MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT
- OCCUPANCY SENSOR (ERV)
- INTERCOM
- TELEPHONE (SEE SPECS FOR BUNDLED STRUCTURE WIRING REQUIREMENTS)
- TELEVISION (SEE SPECS FOR BUNDLED STRUCTURE WIRING REQUIREMENTS)
- DOOR CHIME
- DOOR CHIME BUTTON
- VACUUM OUTLET
- SMOKE DETECTOR, WIRED IN SERIES
- UTILITY LED LIGHT FIXTURE
- ELECTRIC PANEL
- ELECTRIC METER
- CEILING FAN

ELECTRICAL SYMBOLS  
1/4" = 1'-0"



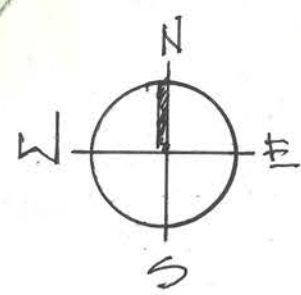
ELEC. FIXTURE DIAGRAM  
1/2" = 1'-0"

1 SECOND FLOOR ELEC. PLAN  
1/4" = 1'-0"

2024-2-8  
REVIEW



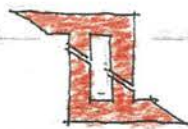
CASTLE HILL  
SITE PLAN  
1"=20'-0"





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

# CASTLE HILL



FREDERICK + FREDERICK  
f-farchitects.com



EAST ELEVATION  
1"=10'-0"

CASTLE  
HILL



FREDERICK + FREDERICK  
ffarchitects.com



WEST ELEVATION  
1"=10'-0"

CASTLE  
HILL

## Savannah Fountain by Campania International



Color: Aged Limestone

### Specifications:

Our cast stone products are made with a high proportion of limestone, making these handmade products dense and durable enough to last for decades.

Weight: 681 lbs

Dimensions: 46"W x 68"H

Base: 20.5"

Weight with water: 1,115 lbs

Water volume: 25 gallons

Shown in Aged Limestone

[See all the color options here](#)

[Buy the fountain cover here](#)

Pump kit included

[Download assembly and installation instructions here](#)

Made in the USA by Campania International

New Materials List:

Roof:

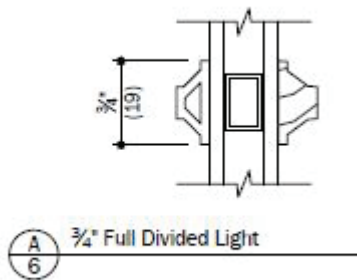
The roof has been re-built using salvaged and new color matched slate shingles over a new wood I framed roof structure, 1X6 sheathing, 30# roofing felt, and copper flashings

Doors:

Andersen A Series  
Weiland Lift & Slide doors  
Finish color: White

Windows:

Andersen A Series, double hung, traditional, with 3/4" full divided light  
Finish color: white



Paving:

Carmel Travertine, Ashlar pattern, 12x12, 16x16, 12x24



New Exterior Light Fixures:



Bevolo Williamsburg Original Bracket  
Lantern  
22" x 10.3" x 9"



B-K Lighting Mini Drivestar Flush recessed  
in-grade LED, Old Copper finish



Nora Lighting, 4" Recessed LED,  
Bronze finish



## WILLIAMSBURG

### ORIGINAL BRACKET

The Williamsburg fixture was originally produced from a colonial design. We often use this fixture in both primary and secondary areas. The Williamsburg naturally complements the French Quarter lantern and is often paired with this fixture. The Williamsburg can be purchased with or without the stack (pictured without stack). The bracket mount Williamsburg is available in natural gas, liquid propane, and electric. \*10" & 12" are not available in gas.

---

#### Standard Lantern Sizes

---

| Height | Width | Depth |
|--------|-------|-------|
| 10.0"  | 7.3"  | 6.0"  |
| 12.0"  | 8.8"  | 7.5"  |
| 14.0"  | 10.3" | 9.0"  |
| 15.0"  | 7.3"  | 6.0"  |
| 16.0"  | 10.3" | 9.0"  |
| 18.0"  | 8.8"  | 7.5"  |
| 22.0"  | 10.3" | 9.0"  |

# NLCBC-469

## 4" Cobalt LED Adjustable Retrofit

Source: 12W LED

Up to 1000lm

### PRODUCT DESCRIPTION

Cobalt retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. Patented adjustable mechanism rotates and adjusts while never exposing an opening or breaking the ceiling plane. Retrofit luminaires deliver up to 1000 lumens in various color temperature options. Cobalt series integrates the latest COB LED technology, giving bright spectacular light output and low power consumption.

### FEATURES

- Retrofit existing 4" recessed housings
- Field adjustable beam spreads (flood installed, spot and narrow flood included)
- Up to 1000 lumen output
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- COB LED Technology
- Integral dimmable driver
- Includes medium base socket adapter
- ENERGY STAR certified

### SPECIFICATION

**Trim:** Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Adjustable design rotates and adjusts while never exposing an opening or breaking the ceiling plane. Reflector places the LED optics deeper than the standard increasing the visual comfort. Additionally the deep cones reduces board images when off.

**Adjustability:** 358° rotate and 30° tilt

**Optics:** Spot (included), Medium (included) and Flood optic (installed)

**Lens:** Frosted Lens (installed) and Semi-Frosted Lens (included)

### ELECTRICAL

**Input Voltage:** 120V

**Lumens / Wattage:** Up to 1000lm / 12W

(Delivered lumens will vary depending on CCT, optic & finish)

**Color Temperature:** 2700K, 3000K, 3500K or 4000K

**Color Rendering Index:** 90+ CRI

**Beam Spread:** 48° Spot, 69° Narrow Flood, 99° Flood

**Operating Temperature:** 0°C to 25°C

**Life Expectancy:** 54,000 Hours @ L70

**Dimming:** Triac, ELV or 0-10V (must specify)

**Click Here** or check complete dimmer list at

www.NoraLighting.com in the "Compatibility" page under "Resources" tab

### COMPATIBLE HOUSINGS

Cobalt retrofit reflectors are compatible with most 4" IC and Non-IC housings by Nora and others.

#### Fire Box

[NFBIC-4LMRATA\\*](#)

ICAT Dedicated LED

[NFBIC-4LMRATA/4W](#)

ICAT Dedicated LED for LE4

[NFBIC-4INCATA](#)

ICAT Line Voltage

#### New Construction

[NHIC-4LMRAT\\*](#)

ICAT Dedicated LED

[NHIC-4LMRAT/4W\\*](#)

ICAT Dedicated LED for LE4

[NHIC-4LMRAT/EM\\*](#)

ICAT Dedicated LED for EM

[NHIC-4LMRAT/6WEM\\*](#)

ICAT Dedicated LED for EM+LE4

[NHIC-4LMRAT/277\\*](#)

ICAT Dedicated LED, 277V

(includes step-down transformer)

[NHICCP-4LMRAT\\*](#)

Chicago Plenum Dedicated LED

[NSIC-4010AT](#)

ICAT Line Voltage

[NS-4010AT](#)

AT Line Voltage

[NHIC-4G24AT](#)

ICAT GU24

#### Remodel

[NHRIC-4LMRAT\\*](#)

ICAT Dedicated LED

[NSRIC-4040AT](#)

ICAT Line Voltage

[NSR-4040AT](#)

AT Line Voltage

[NHRIC-4G24AT](#)

ICAT GU24

\* Nora Dedicated LED housings are cULus listed for use only with Nora LED Retrofits.

**Retrofit:** Cobalt retrofit series includes medium base screw-socket adapter ([NRA-21ISM](#)) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify [NRA-212SM](#).

### ACCESSORIES

**NLCBC-469TIR:** Premium TIR optics are available in 25° or 45°, must specify ring finish.

### LABELS AND LISTINGS

- cULus classified for Damp Location when used with compatible housing
- Suitable for Type IC and Non-IC
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- ENERGY STAR certified (not BB or BZBZ finish)
- RoHS Compliant
- 5-Year Limited Warranty



Type

Project

Catalog No.

Notes

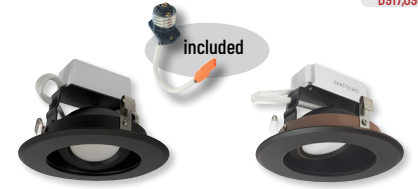
### Performance Data

| Part Number           | Lumens | CCT   |
|-----------------------|--------|-------|
| <b>NLCBC-46927XWW</b> | 881lm  | 2700K |
| <b>NLCBC-46930XWW</b> | 970lm  | 3000K |
| <b>NLCBC-46935XWW</b> | 972lm  | 3500K |
| <b>NLCBC-46940XWW</b> | 1011lm | 4000K |

Delivered lumens will vary depending on CCT, optic and finish

### PRODUCT IMAGES & DIMENSIONS

PATENT No.:  
D917,090S



**BB**  
Black Reflector  
Black Flange

**BZBZ**  
Bronze Reflector  
Bronze Flange



**HZN**  
Haze Reflector  
Natural Metal Flange



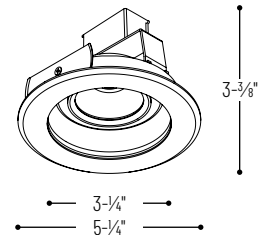
**HZW**  
Haze Reflector  
White Flange



**MPW**  
Matte Powder White Reflector  
Matte Powder White Flange



**WW**  
White Reflector  
White Flange



## 4" Cobalt LED Adjustable Retrofit

| Color Temperature           | Reflector Finish / Flange Finish   | Dimming & Emergency  |
|-----------------------------|--|--|
| <b>NLCBC-46927X</b> = 2700K | <b>BB</b> = Black Reflector / Black Flange                               | <b>(blank)</b> = 120V Triac/ELV  |
| <b>NLCBC-46930X</b> = 3000K | <b>BZBZ</b> = Bronze Reflector/ Bronze Flange                            | <b>EM</b> = Remote Emergency (requires Nora EM housing)                    |
| <b>NLCBC-46935X</b> = 3500K | <b>HZN</b> = Haze Reflector/ Natural Metal Flange                        |  |
| <b>NLCBC-46940X</b> = 4000K | <b>HZW</b> = Haze Reflector / White Flange                               |  |
|                             | <b>MPW</b> = Matte Powder White Reflector /<br>Matte Powder White Flange |  |
|                             | <b>WW</b> = White Reflector / White Flange                               |  |
| <b>NLCBC-46930X</b> = 3000K | <b>HZW</b> = Haze Reflector / White                                      | <b>LE4</b> = 120V 0-10V/Triac/ELV<br>277V 0-10V (requires Nora 4W housing) |
| <b>NLCBC-46935X</b> = 3500K | <b>WW</b> = White Reflector / White                                      | <b>LE4EM</b> = LE4 w/ Remote Emergency (requires Nora 6WEM housing)        |

## Optional Accessories

| Description                     | Optic                              | Ring Finish  |
|---------------------------------|------------------------------------|--|
| <b>NLCBC-469TIR</b> = TIR optic | <b>25</b> = 25°<br><b>45</b> = 45° | <b>B</b> = Black<br><b>BZ</b> = Bronze<br><b>HZ</b> = Haze<br><b>MPW</b> = Matte Powder White<br><b>WW</b> = White / White |

**NRA-21ISM** = Medium base screw-in socket (included)  
**NRA-212SM** = Socket adapter for use with GU24 housings

Example: **NLCBC-46935XWW** = 4" Cobalt LED Adjustable Retrofit, 3500K, White Reflector / White Flange, 120V input; Triac / ELV dimming

# PHOTOMETRICS

## 4" Cobalt LED Adjustable Retrofit

Type

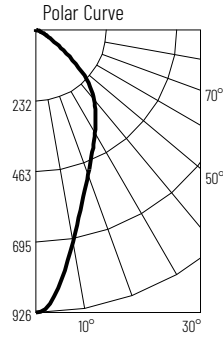
Project

Catalog No.

Notes

### Test Information

Test Number: NTR11157  
 Part Number: NLCBC-4694OSWW  
 Beam Spread: Spot  
 Lumens: 1011lm  
 Wattage: 11.4W  
 Efficacy: 89lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 0.66  
 Spacing Criteria (90°-270): 0.66



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 57.9fc      | 3'-5"         |
| 6'                      | 25.7fc      | 5'-1"         |
| 8'                      | 14.5fc      | 6'-10"        |
| 10'                     | 9.3fc       | 8'-6"         |
| 12'                     | 6.4fc       | 10'-4"        |

### Zonal Lumen Summary

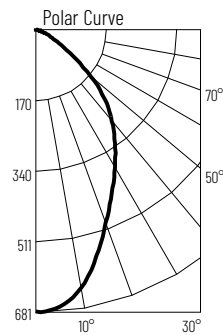
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 446    | 44.1        |
| 0-40   | 661    | 65.4        |
| 0-60   | 842    | 93.2        |
| 0-90   | 1004   | 99.4        |
| 90-180 | 6      | 0.6         |
| 0-180  | 1011   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 926     |
| 5               | 850     |
| 15              | 588     |
| 25              | 441     |
| 35              | 343     |
| 45              | 246     |

### Test Information

Test Number: NTR11156  
 Part Number: NLCBC-4694OMWW  
 Beam Spread: Narrow Flood  
 Lumens: 988lm  
 Wattage: 11.5W  
 Efficacy: 86lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 0.9  
 Spacing Criteria (90°-270): 0.92



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 42.4fc      | 5'-6"         |
| 6'                      | 18.9fc      | 8'-4"         |
| 8'                      | 10.6fc      | 11'           |
| 10'                     | 6.8fc       | 13'-10"       |
| 12'                     | 4.7fc       | 16'-6"        |

### Zonal Lumen Summary

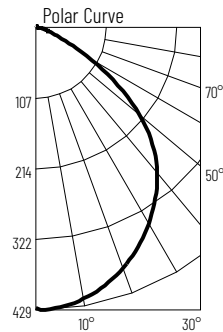
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 424    | 42.9        |
| 0-40   | 634    | 64.2        |
| 0-60   | 916    | 92.7        |
| 0-90   | 981    | 99.2        |
| 90-180 | 7      | 0.8         |
| 0-180  | 988    | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 679     |
| 5               | 670     |
| 15              | 566     |
| 25              | 437     |
| 35              | 335     |
| 45              | 239     |

### Test Information

Test Number: NTR11155  
 Part Number: NLCBC-4694OFWW  
 Beam Spread: Flood  
 Lumens: 943lm  
 Wattage: 11.5W  
 Efficacy: 82lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 1.2  
 Spacing Criteria (90°-270): 1.22



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 26.6fc      | 9'-2"         |
| 6'                      | 11.8fc      | 13'-10"       |
| 8'                      | 6.7fc       | 18'-5"        |
| 10'                     | 4.3fc       | 23'-1"        |
| 12'                     | 3fc         | 27'-8"        |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 323    | 34.3        |
| 0-40   | 520    | 55.2        |
| 0-60   | 848    | 89.9        |
| 0-90   | 935    | 99.2        |
| 90-180 | 8      | 0.8         |
| 0-180  | 943    | 100         |

### Candela Table

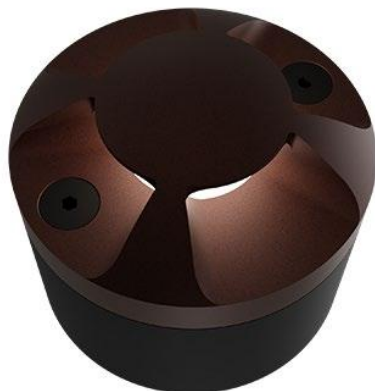
| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 426     |
| 5               | 425     |
| 15              | 404     |
| 25              | 366     |
| 35              | 315     |
| 45              | 251     |

### Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.96), 3500K (0.96), 4000K (1.00)

DATE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ TYPE: \_\_\_\_\_

CATALOG NUMBER LOGIC:



*\*Use with remote 12VAC Magnetic Transformer.*

**CATALOG NUMBER LOGIC**

Example: MD - LED - e71 - F - SAP - 1 - A

**MATERIAL**

(Blank) - Aluminum B - Brass S - Stainless Steel

**SERIES**

MD - Mini-Micro DriveStar

**SOURCE**

LED - Solid State System with Integral Non-Dimming Driver\*

**LED TYPE**

e70 - 3W LED/2700K e85 - 3W LED/2700K 90 CRI

e71 - 3W LED/3000K e86 - 3W LED/3000K 90 CRI

e72 - 3W LED/4000K e87 - 3W LED/3500K 80 CRI

e73 - 3W LED/Amber

**INSTALLATION**

F - Flush

**FINISH (See page 2 for full-color swatches)**

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

**OPTICAL OPENINGS**

1 - Single

2 - 2 @ 180°

4 - 4 @ 90°

**FACEPLATE STYLE**

A - Solid

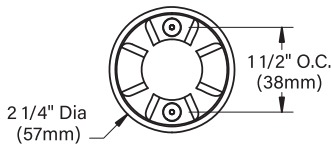
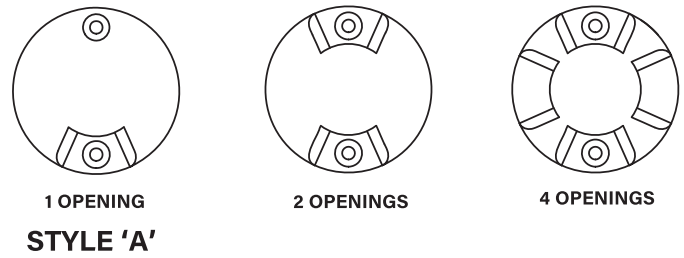
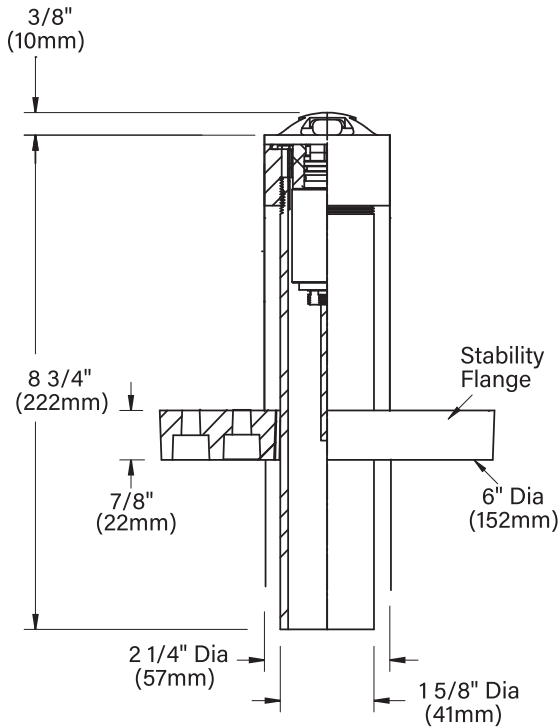
B - Round Accent

**MOD OPTION**

25 - 25 Ft Leads



DATE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ TYPE: \_\_\_\_\_

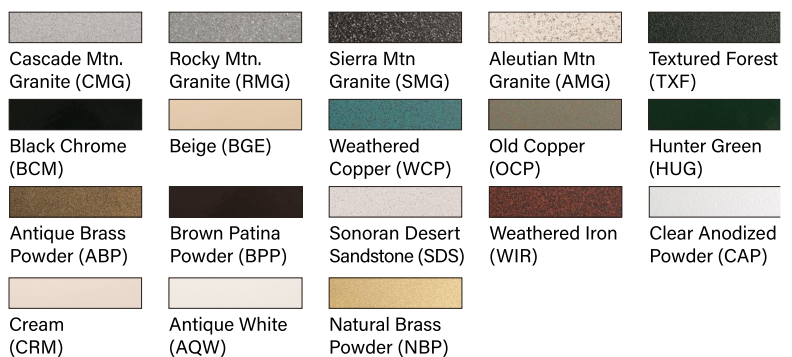


**SURFACE MOUNT**

**STANDARD FINISHES**



**PREMIUM FINISHES**






[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

|       |          |       |
|-------|----------|-------|
| DATE: | PROJECT: | TYPE: |
|-------|----------|-------|

ACCESSORIES (Configure separately)

## SPECIFICATIONS

|   |  |   |
|---|--|---|
| ELECTRICAL  | WATTAGE  | 3W LED  |
|   | WIRING   | Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard. Anti-Siphon Valve (ASV™) prevents "wicking" through conductor insulation. Provided with 5' fixture leads.  |
|   | TRANSFORMER  | For use with 12VAC remote magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.   |
| PHYSICAL  | MATERIALS  | Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304).  |
|   | BODY   | Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet.   |
|   | HOUSING  | Fixture provided with 1-5/8" dia., 80 PVC housing for direct burial into soil or concrete. 6" dia., molded stability flange projects into substrate to simplify installation and reinforce housing stability.   |
|   | FACEPLATE  | Machined from solid, copper-free aluminum, brass or stainless steel. Available with one, two, or four optical openings. Countersunk holes provide for flush hardware mounting.  |
|   | LENS   | Shock-resistant, tempered, frosted acrylic lens is factory adhered to faceplate and provides hermetically sealed optical compartment.   |
|   | LED  | Integrated solid state system and modular design with electrical quick disconnects permit field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components. Integral, non-dim. constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to 250mA. |
|   | INSTALLATION   | Features integral concrete pour collar (CPC). Top edge of collar to be installed flush with finished grade. Collar material and finish to match faceplate. Two (2) threaded holes for faceplate installation. Faceplate style A is suitable for walk-over and drive-over applications up to 35,000 lbs. GVW. Fully machined copper-free aluminum installation collar. Provided with hard-coat (Type III) black anodize finish for maximum corrosion resistance.   |
|   | HARDWARE   | Tamper-resistant, stainless steel hardware. Faceplate screws are black oxide treated for additional corrosion resistance.   |
|   | FINISH   | StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant.  |
|   | WARRANTY   | 5-year limited warranty.  |
| CERTIFICATION & LISTING   | UL Listed. Certified to CAN/CSA/ANSI Standards. ADA compliant. IP68 Rated. Made in the USA with sustainable processes. |   |
|    |  |   |

**B-K LIGHTING**
**MADE IN THE USA**

 559.438.5800 | [INFO@BKLIGHTING.COM](mailto:INFO@BKLIGHTING.COM) | [BKLIGHTING.COM](http://BKLIGHTING.COM)

# LAMP & DRIVER DATA (e70, e71, e72, e73)

DATE: \_\_\_\_\_ PROJECT: \_\_\_\_\_ TYPE: \_\_\_\_\_

| DRIVER DATA | Input Volts | InRush Current   | Operating Current   | Operation Ambient Temperature |
|-------------|-------------|------------------|---------------------|-------------------------------|
|             |             | 12VAC/DC 50/60Hz | <250mA (non-dimmed) | 500mA                         |

| LM79 DATA |               |            |                    | L70 DATA   | OPTICAL DATA   |           |               |                  |
|-----------|---------------|------------|--------------------|--|----------------|-----------|---------------|------------------|
| BK No.    | CCT (Typ.)    | CRI (Typ.) | Input Watts (Typ.) | Minimum Rated Life (hrs.) 70% of initial lumens (L <sub>70</sub> ) | No. of Windows | Beam Type | Angle         | Delivered Lumens |
| e70       | 2700K         | 80         | 3                  | 50,000   | 1              | Radial    | 360°h x 270°v | 14               |
|           |               |            |                    |  | 2              | Radial    | 360°h x 270°v | 23               |
|           |               |            |                    |  | 4              | Radial    | 360°h x 270°v | 40               |
| e71       | 3000K         | 80         | 3                  | 50,000   | 1              | Radial    | 360°h x 270°v | 15               |
|           |               |            |                    |  | 2              | Radial    | 360°h x 270°v | 24               |
|           |               |            |                    |  | 4              | Radial    | 360°h x 270°v | 42               |
| e72       | 4000K         | 80         | 3                  | 50,000   | 1              | Radial    | 360°h x 270°v | 17               |
|           |               |            |                    |  | 2              | Radial    | 360°h x 270°v | 27               |
|           |               |            |                    |  | 4              | Radial    | 360°h x 270°v | 48               |
| e73       | Amber (590nm) | ~          | 3                  | 50,000   | ~              | Radial    | 360°h x 270°v | ~                |

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