

# HISTORIC AND DESIGN REVIEW COMMISSION

October 06, 2021

**HDRC CASE NO:** 2021-380  
**ADDRESS:** 232 LAVACA ST  
**LEGAL DESCRIPTION:** NCB 713 BLK 10 LOT 16 & E 4 FT OF 15  
**ZONING:** RM-4,H  
**CITY COUNCIL DIST.:** 1  
**DISTRICT:** Lavaca Historic District  
**APPLICANT:** Clint Belew/BelewHouse LLC  
**OWNER:** BelewHouse LLC  
**TYPE OF WORK:** Removal of existing additions, construction of a new addition, exterior modifications, site modifications  
**APPLICATION RECEIVED:** August 27, 2021  
**60-DAY REVIEW:** Not applicable due to City Council Emergency Orders Stephanie Phillips  
**CASE MANAGER:**

## REQUEST:

The applicant is requesting conceptual approval to:

1. Remove the non-original 2-story rear addition.
2. Construct a new 2-story rear addition.
3. Replace the existing non-original front porch columns with round columns.

## APPLICABLE CITATIONS:

*Historic Design Guidelines, Chapter 2, Exterior Maintenance and Alterations*

### 1. Materials: Woodwork

#### A. MAINTENANCE (PRESERVATION)

- i. *Inspections*—Conduct semi-annual inspections of all exterior wood elements to verify condition and determine maintenance needs.
- ii. *Cleaning*—Clean exterior surfaces annually with mild household cleaners and water. Avoid using high pressure power washing and any abrasive cleaning or stripping methods that can damage the historic wood siding and detailing.
- iii. *Paint preparation*—Remove peeling, flaking, or failing paint surfaces from historic woodwork using the gentlest means possible to protect the integrity of the historic wood surface. Acceptable methods for paint removal include scraping and sanding, thermal removal, and when necessary, mild chemical strippers. Sand blasting and water blasting should never be used to remove paint from any surface. Sand only to the next sound level of paint, not all the way to the wood, and address any moisture and deterioration issues before repainting.
- iv. *Repainting*—Paint once the surface is clean and dry using a paint type that will adhere to the surface properly. See *General Paint Type Recommendations* in Preservation Brief #10 listed under Additional Resources for more information.
- v. *Repair*—Repair deteriorated areas or refasten loose elements with an exterior wood filler, epoxy, or glue.

#### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Facade materials*—Avoid removing materials that are in good condition or that can be repaired in place. Consider exposing original wood siding if it is currently covered with vinyl or aluminum siding, stucco, or other materials that have not achieved historic significance.
- ii. *Materials*—Use in-kind materials when possible or materials similar in size, scale, and character when exterior woodwork is beyond repair. Ensure replacement siding is installed to match the original pattern, including exposures. Do not introduce modern materials that can accelerate and hide deterioration of historic materials. Hardiboard and other cementitious materials are not recommended.
- iii. *Replacement elements*—Replace wood elements in-kind as a replacement for existing wood siding, matching in profile, dimensions, material, and finish, when beyond repair.



### 3. Materials: Roofs

#### A. MAINTENANCE (PRESERVATION)

i. *Regular maintenance and cleaning*—Avoid the build-up of accumulated dirt and retained moisture. This can lead to the growth of moss and other vegetation, which can lead to roof damage. Check roof surface for breaks or holes and flashing for open seams and repair as needed.

#### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

i. *Roof replacement*—Consider roof replacement when more than 25-30 percent of the roof area is damaged or 25-30 percent of the roof tiles (slate, clay tile, or cement) or shingles are missing or damaged.

ii. *Roof form*—Preserve the original shape, line, pitch, and overhang of historic roofs when replacement is necessary.

iii. *Roof features*—Preserve and repair distinctive roof features such as cornices, parapets, dormers, open eaves with exposed rafters and decorative or plain rafter tails, flared eaves or decorative purlins, and brackets with shaped ends.

iv. *Materials: sloped roofs*—Replace roofing materials in-kind whenever possible when the roof must be replaced.

Retain and re-use historic materials when large-scale replacement of roof materials other than asphalt shingles is required (e.g., slate or clay tiles). Salvaged materials should be re-used on roof forms that are most visible from the public right-of-way. Match new roofing materials to the original materials in terms of their scale, color, texture, profile, and style, or select materials consistent with the building style, when in-kind replacement is not possible.

v. *Materials: flat roofs*—Allow use of contemporary roofing materials on flat or gently sloping roofs not visible from the public right-of-way.

vi. *Materials: metal roofs*—Use metal roofs on structures that historically had a metal roof or where a metal roof is appropriate for the style or construction period. Refer to Checklist for Metal Roofs on page 10 for desired metal roof specifications when considering a new metal roof. New metal roofs that adhere to these guidelines can be approved administratively as long as documentation can be provided that shows that the home has historically had a metal roof.

vii. *Roof vents*—Maintain existing historic roof vents. When deteriorated beyond repair, replace roof vents in-kind or with one similar in design and material to those historically used when in-kind replacement is not possible.

### 4. Materials: Metal

#### A. MAINTENANCE (PRESERVATION)

i. *Cleaning*—Use the gentlest means possible when cleaning metal features to avoid damaging the historic finish. Prepare a test panel to determine appropriate cleaning methods before proceeding. Use a wire brush to remove corrosion or paint build up on hard metals like wrought iron, steel, and cast iron.

ii. *Repair*—Repair metal features using methods appropriate to the specific type of metal.

iii. *Paint*—Avoid painting metals that were historically exposed such as copper and bronze.

#### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

i. *Replacement*—Replace missing or significantly damaged metal features in-kind or with a substitute compatible in size, form, material, and general appearance to the historical feature when in-kind replacement is not possible.

ii. *Rust*—Select replacement anchors of stainless steel to limit rust and associated expansion that can cause cracking of the surrounding material such as wood or masonry. Insert anchors into the mortar joints of masonry buildings.

iii. *New metal features*—Add metal features based on accurate evidence of the original, such as photographs. Base the design on the architectural style of the building and historic patterns if no such evidence exists.

### 6. Architectural Features: Doors, Windows, and Screens

#### A. MAINTENANCE (PRESERVATION)

i. *Openings*—Preserve existing window and door openings. Avoid enlarging or diminishing to fit stock sizes or air conditioning units. Avoid filling in historic door or window openings. Avoid creating new primary entrances or window openings on the primary façade or where visible from the public right-of-way.

ii. *Doors*—Preserve historic doors including hardware, fanlights, sidelights, pilasters, and entablatures.

iii. *Windows*—Preserve historic windows. When glass is broken, the color and clarity of replacement glass should match the original historic glass.

iv. *Screens and shutters*—Preserve historic window screens and shutters.

v. *Storm windows*—Install full-view storm windows on the interior of windows for improved energy efficiency. Storm window may be installed on the exterior so long as the visual impact is minimal and original architectural details are not obscured.



## B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Doors*—Replace doors, hardware, fanlight, sidelights, pilasters, and entablatures in-kind when possible and when deteriorated beyond repair. When in-kind replacement is not feasible, ensure features match the size, material, and profile of the historic element.
- ii. *New entrances*—Ensure that new entrances, when necessary to comply with other regulations, are compatible in size, scale, shape, proportion, material, and massing with historic entrances.
- iii. *Glazed area*—Avoid installing interior floors or suspended ceilings that block the glazed area of historic windows.
- iv. *Window design*—Install new windows to match the historic or existing windows in terms of size, type, configuration, material, form, appearance, and detail when original windows are deteriorated beyond repair.
- v. *Muntins*—Use the exterior muntin pattern, profile, and size appropriate for the historic building when replacement windows are necessary. Do not use internal muntins sandwiched between layers of glass.
- vi. *Replacement glass*—Use clear glass when replacement glass is necessary. Do not use tinted glass, reflective glass, opaque glass, and other non-traditional glass types unless it was used historically. When established by the architectural style of the building, patterned, leaded, or colored glass can be used.
- vii. *Non-historic windows*—Replace non-historic incompatible windows with windows that are typical of the architectural style of the building.
- viii. *Security bars*—Install security bars only on the interior of windows and doors.
- ix. *Screens*—Utilize wood screen window frames matching in profile, size, and design of those historically found when the existing screens are deteriorated beyond repair. Ensure that the tint of replacement screens closely matches the original screens or those used historically.
- x. *Shutters*—Incorporate shutters only where they existed historically and where appropriate to the architectural style of the house. Shutters should match the height and width of the opening and be mounted to be operational or appear to be operational. Do not mount shutters directly onto any historic wall material.

## 7. Architectural Features: Porches, Balconies, and Porte-Cocheres

### A. MAINTENANCE (PRESERVATION)

- i. *Existing porches, balconies, and porte-cocheres*—Preserve porches, balconies, and porte-cocheres. Do not add new porches, balconies, or porte-cocheres where not historically present.
- ii. *Balusters*—Preserve existing balusters. When replacement is necessary, replace in-kind when possible or with balusters that match the originals in terms of materials, spacing, profile, dimension, finish, and height of the railing.
- iii. *Floors*—Preserve original wood or concrete porch floors. Do not cover original porch floors of wood or concrete with carpet, tile, or other materials unless they were used historically.

### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Front porches*—Refrain from enclosing front porches. Approved screen panels should be simple in design as to not change the character of the structure or the historic fabric.
- ii. *Side and rear porches*—Refrain from enclosing side and rear porches, particularly when connected to the main porch or balcony. Original architectural details should not be obscured by any screening or enclosure materials. Alterations to side and rear porches should result in a space that functions, and is visually interpreted as, a porch.
- iii. *Replacement*—Replace in-kind porches, balconies, porte-cocheres, and related elements, such as ceilings, floors, and columns, when such features are deteriorated beyond repair. When in-kind replacement is not feasible, the design should be compatible in scale, massing, and detail while materials should match in color, texture, dimensions, and finish.
- iv. *Adding elements*—Design replacement elements, such as stairs, to be simple so as to not distract from the historic character of the building. Do not add new elements and details that create a false historic appearance.
- v. *Reconstruction*—Reconstruct porches, balconies, and porte-cocheres based on accurate evidence of the original, such as photographs. If no such evidence exists, the design should be based on the architectural style of the building and historic patterns.

## *Historic Design Guidelines, Chapter 3, Guidelines for Additions*

### 1. Massing and Form of Residential Additions

#### A. GENERAL

- i. *Minimize visual impact*—Site residential additions at the side or rear of the building whenever possible to minimize views of the addition from the public right-of-way. An addition to the front of a building would be inappropriate.
- ii. *Historic context*—Design new residential additions to be in keeping with the existing, historic context of the block. For example, a large, two-story addition on a block comprised of single-story homes would not be appropriate.



- iii. *Similar roof form*—Utilize a similar roof pitch, form, overhang, and orientation as the historic structure for additions.
  - iv. *Transitions between old and new*—Utilize a setback or recessed area and a small change in detailing at the seam of the historic structure and new addition to provide a clear visual distinction between old and new building forms.
- B. SCALE, MASSING, AND FORM**
- i. *Subordinate to principal facade*—Design residential additions, including porches and balconies, to be subordinate to the principal façade of the original structure in terms of their scale and mass.
  - ii. *Rooftop additions*—Limit rooftop additions to rear facades to preserve the historic scale and form of the building from the street level and minimize visibility from the public right-of-way. Full-floor second story additions that obscure the form of the original structure are not appropriate.
  - iii. *Dormers*—Ensure dormers are compatible in size, scale, proportion, placement, and detail with the style of the house. Locate dormers only on non-primary facades (those not facing the public right-of-way) if not historically found within the district.
  - iv. *Footprint*—The building footprint should respond to the size of the lot. An appropriate yard to building ratio should be maintained for consistency within historic districts. Residential additions should not be so large as to double the existing building footprint, regardless of lot size.
  - v. *Height*—Generally, the height of new additions should be consistent with the height of the existing structure. The maximum height of new additions should be determined by examining the line-of-sight or visibility from the street. Addition height should never be so contrasting as to overwhelm or distract from the existing structure.

### 3. Materials and Textures

#### A. COMPLEMENTARY MATERIALS

- i. *Complementary materials*—Use materials that match in type, color, and texture and include an offset or reveal to distinguish the addition from the historic structure whenever possible. Any new materials introduced to the site as a result of an addition must be compatible with the architectural style and materials of the original structure.
- ii. *Metal roofs*—Construct new metal roofs in a similar fashion as historic metal roofs. Refer to the Guidelines for Alternations and Maintenance section for additional specifications regarding metal roofs.
- iii. *Other roofing materials*—Match original roofs in terms of form and materials. For example, when adding on to a building with a clay tile roof, the addition should have a roof that is clay tile, synthetic clay tile, or a material that appears similar in color and dimension to the existing clay tile.

#### B. INAPPROPRIATE MATERIALS

- i. *Imitation or synthetic materials*—Do not use imitation or synthetic materials, such as vinyl siding, brick or simulated stone veneer, plastic, or other materials not compatible with the architectural style and materials of the original structure.

#### C. REUSE OF HISTORIC MATERIALS

- i. *Salvage*—Salvage and reuse historic materials, where possible, that will be covered or removed as a result of an addition.

### 4. Architectural Details

#### A. GENERAL

- i. *Historic context*—Design additions to reflect their time while respecting the historic context. Consider character-defining features and details of the original structure in the design of additions. These architectural details include roof form, porches, porticos, cornices, lintels, arches, quoins, chimneys, projecting bays, and the shapes of window and door openings.
- ii. *Architectural details*—Incorporate architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and compliment the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition.
- iii. *Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for additions. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the addition is new.

### 5. Mechanical Equipment and Roof Appurtenances

#### A. LOCATION AND SITING

- i. *Visibility*—Do not locate utility boxes, air conditioners, rooftop mechanical equipment, skylights, satellite dishes, cable lines, and other roof appurtenances on primary facades, front-facing roof slopes, in front yards, or in other locations that are clearly visible from the public right-of-way.



ii. *Service Areas*—Locate service areas towards the rear of the site to minimize visibility from the public right-of-way. Where service areas cannot be located at the rear of the property, compatible screens or buffers will be required.

## B. SCREENING

- i. *Building-mounted equipment*—Paint devices mounted on secondary facades and other exposed hardware, frames, and piping to match the color scheme of the primary structure or screen them with landscaping.
- ii. *Freestanding equipment*—Screen service areas, air conditioning units, and other mechanical equipment from public view using a fence, hedge, or other enclosure.
- iii. *Roof-mounted equipment*—Screen and set back devices mounted on the roof to avoid view from public right-of-way.

### *Standard Specifications for Original Wood Window Replacement or Existing Windows*

- **SCOPE OF REPAIR:** When individual elements such as sills, muntins, rails, sashes, or glazing has deteriorated, every effort should be made to repair or reconstruct that individual element prior to consideration of wholesale replacement. For instance, applicant should replace individual sashes within the window system in lieu of full replacement with a new window unit.
- **MISSING OR PREVIOUSLY-REPLACED WINDOWS:** Where original windows are found to be missing or previously-replaced with a nonconforming window product by a previous owner, an alternative material to wood may be considered when the proposed replacement product is more consistent with the Historic Design Guidelines in terms of overall appearance. Such determination shall be made on a case-by-case basis by OHP and/or the HDRC. Whole window systems should match the size of historic windows on property unless otherwise approved.
- **MATERIAL:** If full window replacement is approved, the new windows must feature primed and painted wood exterior finish. Clad, composition, or non-wood options are not allowed unless explicitly approved by the commission.
- **SASH:** Meeting rails must be no taller than 1.25". Stiles must be no wider than 2.25". Top and bottom sashes must be equal in size unless otherwise approved.
- **DEPTH:** There should be a minimum of 2" in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness.
- **TRIM:** Original trim details and sills should be retained or repaired in kind. If approved, new window trim must feature traditional dimensions and architecturally appropriate casing and sloped sill detail. Window track components such as jamb liners must be painted to match the window trim or concealed by a wood window screen set within the opening.
- **GLAZING:** Replacement windows should feature clear glass. Low-e or reflective coatings are not recommended for replacements. The glazing should not feature faux divided lights with an interior grille. If approved to match a historic window configuration, the window should feature real exterior muntins.
- **COLOR:** Replacement windows should feature a painted finished. If a clad product is approved, white or metallic manufacturer's color is not allowed, and color selection must be presented to staff.
- **INSTALLATION:** Replacement windows should be supplied in a block frame and exclude nailing fins. Window opening sizes should not be altered to accommodate stock sizes prior to approval.
- **FINAL APPROVAL:** If the proposed window does not meet the aforementioned stipulations, then the applicant must submit updated window specifications to staff for review, prior to purchase and installation. For more assistance, the applicant may request the window supplier to coordinate with staff directly for verification.

### *Standard Specifications for Windows in Additions and New Construction*

- **GENERAL:** New windows on additions should relate to the windows of the primary historic structure in terms of materiality and overall appearance. Windows used in new construction should be similar in appearance to those commonly found within the district in terms of size, profile, and configuration. While no material is expressly prohibited by the Historic Design Guidelines, a high-quality wood or aluminum-clad wood window product often meets the Guidelines with the stipulations listed below. Whole window systems should match the size of historic windows on property unless otherwise approved.
- **SIZE:** Windows should feature traditional dimensions and proportions as found within the district.
- **SASH:** Meeting rails must be no taller than 1.25". Stiles must be no wider than 2.25". Top and bottom sashes must be equal in size unless otherwise approved.



- DEPTH: There should be a minimum of 2” in depth between the front face of the window trim and the front face of the top window sash.
  - This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness.
- TRIM: Window trim must feature traditional dimensions and architecturally appropriate casing and sloped sill detail. Window track components such as jamb liners must be painted to match the window trim or concealed by a wood window screen set within the opening.
- GLAZING: Windows should feature clear glass. Low-e or reflective coatings are not recommended for replacements. The glazing should not feature faux divided lights with an interior grille. If approved to match a historic window configuration, the window should feature real exterior muntins.
- COLOR: Wood windows should feature a painted finished. If a clad product is approved, white or metallic manufacturer’s color is not allowed, and color selection must be presented to staff.
- INSTALLATION: Wood windows should be supplied in a block frame and exclude nailing fins. Window opening sizes should not be altered to accommodate stock sizes prior to approval.
- FINAL APPROVAL: If the proposed window does not meet the aforementioned stipulations, then the applicant must submit updated window specifications to staff for review, prior to purchase and installation. For more assistance, the applicant may request the window supplier to coordinate with staff directly for verification.

## **FINDINGS:**

- a. The primary structure located at 232 Lavaca is a 1.5-story residential structure constructed circa 1910 in the Queen Anne style with Folk Victorian influences. The structure features a primary hip roof with a front-facing gable, a wraparound front porch, one over one ganged wood windows, and a 2-story rear addition with an open double-height porch. The structure is located on a corner lot at the intersection of Lavaca and Indianola streets with rear frontage along Refugio, a third primary street. The property is contributing to the Lavaca Historic District.
- b. CONCEPTUAL APPROVAL – Conceptual approval is the review of general design ideas and principles (such as scale and setback). Specific design details reviewed at this stage are not binding and may only be approved through a Certificate of Appropriateness for final approval.
- c. DESIGN REVIEW COMMITTEE – The applicant met with the Design Review Committee (DRC) on August 10, 2021, to present a prior version of the proposal. The DRC was generally supportive of removing the existing rear addition due to its non-original nature, but found that the proposed new addition deviated from the historic development pattern and existing context in terms of massing, scale, materiality, and height. While more contemporary additions are found in the immediate vicinity, the DRC noted the importance of the corner lot condition of the property, which essentially creates a condition of three public right-of-ways along Lavaca, Indianola, and Refugio. The DRC suggested incorporating scale, massing, and roof forms similar to the existing addition, which nestles behind the primary historic structure and is visually subordinate. The DRC encouraged the applicant to study the materials and details of the historic structure to influence the rear addition, as well as explore a potential connector element to offer a more clear transition between the historic structure and new addition. The DRC also recommended that the applicant ensure the renderings are accurate in terms of what will be retained on the historic structure, such as chimneys or windows. The applicant met again with the Design Review Committee on September 8, 2021, to review a revised design. The DRC suggested further exploring window proportions and patterns for the addition that responded to the fenestration pattern on the historic house. The DRC also suggested adding fenestration to the west elevation, continuing to explore material palettes that are compatible with the historic structure, and continuing to explore the roof form, massing, and siting of the addition as a holistic design approach. The applicant met with the DRC on September 21 and 28, 2021, to review a revised design that is similar to the current proposal. The DRC was supportive of the window and material changes, as well as the addition of a porch overhang element at the corner of the proposed addition that echoes the location and general form of the existing front porch on the historic structure. The DRC encouraged the applicant to ensure their renderings and drawings were accurate and related to each other in terms of design. The DRC also encouraged the applicant to restore all existing wood windows.



- d. **EXISTING ADDITION** – As noted in finding a, the structure contains an existing 2-story rear addition. Based on Sanborn Maps, the addition was constructed after 1951. Staff finds its removal eligible for administrative approval.
- e. **FOOTPRINT** – The applicant as proposed to construct a new 2-story addition to the primary structure totaling approximately 1,066 square feet. The existing primary structure's square footage is approximately 1,639 square feet. The Historic Design Guidelines for Additions stipulate that new additions should not double the footprint of the primary structure in plan. Staff finds that the proposal generally meets this guideline.
- f. **ORIENTATION AND SETBACK** – The applicant has proposed to construct an addition to the rear of the structure. Per the Guidelines, additions should be located at the rear of the structure whenever possible and should be inset behind the front façade to minimize the impact on the public streetscape. Staff finds the orientation and setback generally consistent.
- g. **SCALE** – The proposed addition is 2-story and will be roughly comparable to the primary historic structure's tallest ridge in height. The Historic Design Guidelines state that new construction should be consistent with the height and overall scale of nearby historic buildings. Staff finds that a 2-story addition that is slightly subordinate to the primary structure may be appropriate due to the surrounding context of the block and vicinity. The applicant should make every effort possible to reduce the scale and mass of the addition, either through design modifications, reduction in height, material selections, or a combination of these methods.
- h. **FENESTRATION** – According to the Historic Design Guidelines, openings in new construction should use traditional dimensions and profiles found on the primary structure or within the historic district. Based on the submitted elevations, the applicant is requesting window sizes and proportions that are a modern interpretation of those found on the primary structure that also incorporate traditional ganged trim conditions, recess, inset, and configurations. Staff finds the proposed fenestration appropriate with the stipulations listed in the recommendation.
- i. **MATERIALITY** – The applicant has proposed to use composite lap siding, metal and/or hardi panel siding, and a standing seam metal roof. The window and door materials are not indicated. Staff finds that the material palette should respond to the design modifications outlined in staff's findings and should minimize the visual weight of the proposed addition. The Guidelines encourage a material palette that responds to the existing historic structure and historic structures in the vicinity.
- j. **ROOF FORM** – The proposed 2-story rear addition will utilize a flat roof form. According to the Guidelines, roof forms on additions should respond to the roof form of the primary structure and predominant roof forms used historically in the district. Staff finds that the applicant should modify the roof form to feature a gable, hip, or another form that is more consistent with the primary structure and roof forms found historically. Staff encourages the applicant to incorporate a similar roof form as the existing addition, which nests within the existing primary structure's roofline and is complementary while clearly reading as a new addition.
- k. **ARCHITECTURAL DETAILS** - According to the Guidelines for Additions, new additions should feature architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and compliment the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition. While staff finds that the modern interpretations of the specific details, forms, and design elements found on the primary structure may be appropriate, staff does not find the addition consistent at this time due to the flat roof form and material palette.
- l. **WINDOW REPLACEMENT: ENERGY EFFICIENCY AND MAINTENANCE** – In terms of efficiency, in most cases, windows only account for a fraction of heat gain/loss in a building. Improving the energy efficiency of historic windows should be considered only after other options have been explored such as improving attic and wall insulation. The original windows feature single-pane glass which is subject to radiant heat transfer. Products are available to reduce heat transfer such as window films, interior storm windows, and thermal shades. The historic house already features an inherent barrier in the original wood screens. Additionally, air infiltration can be mitigated through weatherstripping or readjusting the window assembly within the frame, as assemblies can settle or shift over time. The wood windows were designed specifically for this structure and can accommodate the natural settling and movement of the structure as a whole throughout seasons. Modern replacement products are extremely rigid, often resulting in the creation of gaps, cracks, and major points of air infiltration at the window frames and other areas of the exterior wall plane over time due to material incompatibility when considering the structure as whole integrated system.
- m. **WINDOW REPLACEMENT: WASTE AND LIFESPAN** – Over 112 million windows end up in landfills each year, and about half are under 20 years old. Historic wood windows were constructed to last 100+ years with old growth wood, which is substantially more durable than modern wood and clad products, and original



windows that are restored and maintained over time can last for decades. Replacement window products have a much shorter lifespan, around 10-20 years, and cannot be repaired once they fail. On average, over the lifetime of an original wood window, replacement windows will need to be again replaced at least 4 times. The total lifecycle cost of replacement windows is also much more energy intensive than the restoration of existing windows, including material sourcing and the depletion of natural resources and forests, petroleum-heavy manufacturing methods, transportation, and installation. Finally, window repair and restoration utilizes the local labor and expertise of craftspeople versus off-the-shelf, non-custom composite products. Staff generally encourages the repair and restoration of original windows whenever possible.

- n. **WINDOW REPLACEMENT** – According to the Historic Design Guidelines, wood windows should be repaired in place and restored whenever possible, unless there is substantial evidence that the windows are deteriorated beyond repair. If a window assembly is deemed irreparable, the window should be replaced in-kind in terms of materiality, configuration, inset, proportion, style, and detailing. As noted in finding k, the applicant is responsible for submitting comprehensive and complete documentation to assess window replacement, including a window schedule, photos of all windows requested to be replaced, and a proposed replacement product. Staff finds that all existing windows should be repaired and restored unless demonstrably deteriorated beyond repair. Not enough information has been provided by the applicant at this time to assess a window request. The applicant has verbally stated that all existing windows are to be repaired, which should be confirmed for final approval.
- o. **PORCH MODIFICATIONS** – The applicant has proposed to replace the existing non-original front porch posts with new round columns with a simple capital and base. The proposed columns are predominantly Neoclassical in style but have precedent on Folk Victorian and Queen Anne styles in the district. Per the Guidelines, porches and their related elements, such as ceilings, floors, and columns, should be replaced in-kind when such features are deteriorated beyond repair. When in-kind replacement is not feasible, the design should be compatible in scale, massing, and detail while materials should match in color, texture, dimensions, and finish. Porch elements should be reconstructed based on accurate evidence of the original, such as photographs. If no such evidence exists, the design should be based on the architectural style of the building and historic patterns. Staff finds that replacement of the existing columns is appropriate.
- p. **FENCING** – The submitted renderings include new cattle panel style fencing. The applicant is required to submit a fencing site plan and detailed material specifications and/or drawings that indicated the proposed height as part of an application for review and approval.

## **RECOMMENDATION:**

Staff does not recommend conceptual approval at this time based on findings a through p.

If the HDRC finds the request consistent and recommends conceptual approval, staff recommends that the following stipulations apply:

- i. That the applicant modify the proposed roof form to be more consistent with the existing roof forms on the lot and the surrounding historic roof forms as noted in finding j. Staff recommends that the applicant incorporate a similar roof form as the existing addition.
- ii. That the applicant explore material palettes that minimize the visual weight of the rear addition as noted in finding i.
- iii. That the applicant retain all existing window locations and restore the original wood windows. The applicant is required to submit a window schedule that illustrates any windows to be replaced on the primary historic structure, if applicable, along with supporting evidence that the window sashes are deteriorated beyond repair. All existing openings must be retained as noted in findings l through o.
- iv. That the applicant submits final window specifications for the addition to staff for review and approval. Windows should be fully wood or aluminum clad wood and feature an inset of two (2) inches within facades and should feature profiles that are found historically within the immediate vicinity. White color is not allowed, and color selection should be presented to staff. Meeting rails must be no taller than 1.25” and stiles no wider than 2.25”. There should be a minimum of two inches in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within



the opening or with the installation of additional window trim to add thickness. Window trim must feature traditional dimensions and an architecturally appropriate sill detail. Window track components must be painted to match the window trim or be concealed by a wood window screen set within the opening.

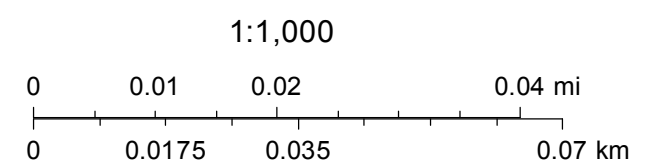
- v. That the applicant installs a standing seam metal roof featuring panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and a standard galvalume finish. Panels should be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. An on-site inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. All chimney, flue, and related existing roof details must be preserved.
- vi. That the applicant retain all existing chimneys, dormer vents, dormer shingles, and other significant architectural details.
- vii. That the applicant submits drawings and material specifications for any proposed front yard fencing for final approval.



# City of San Antonio One Stop



August 11, 2021



























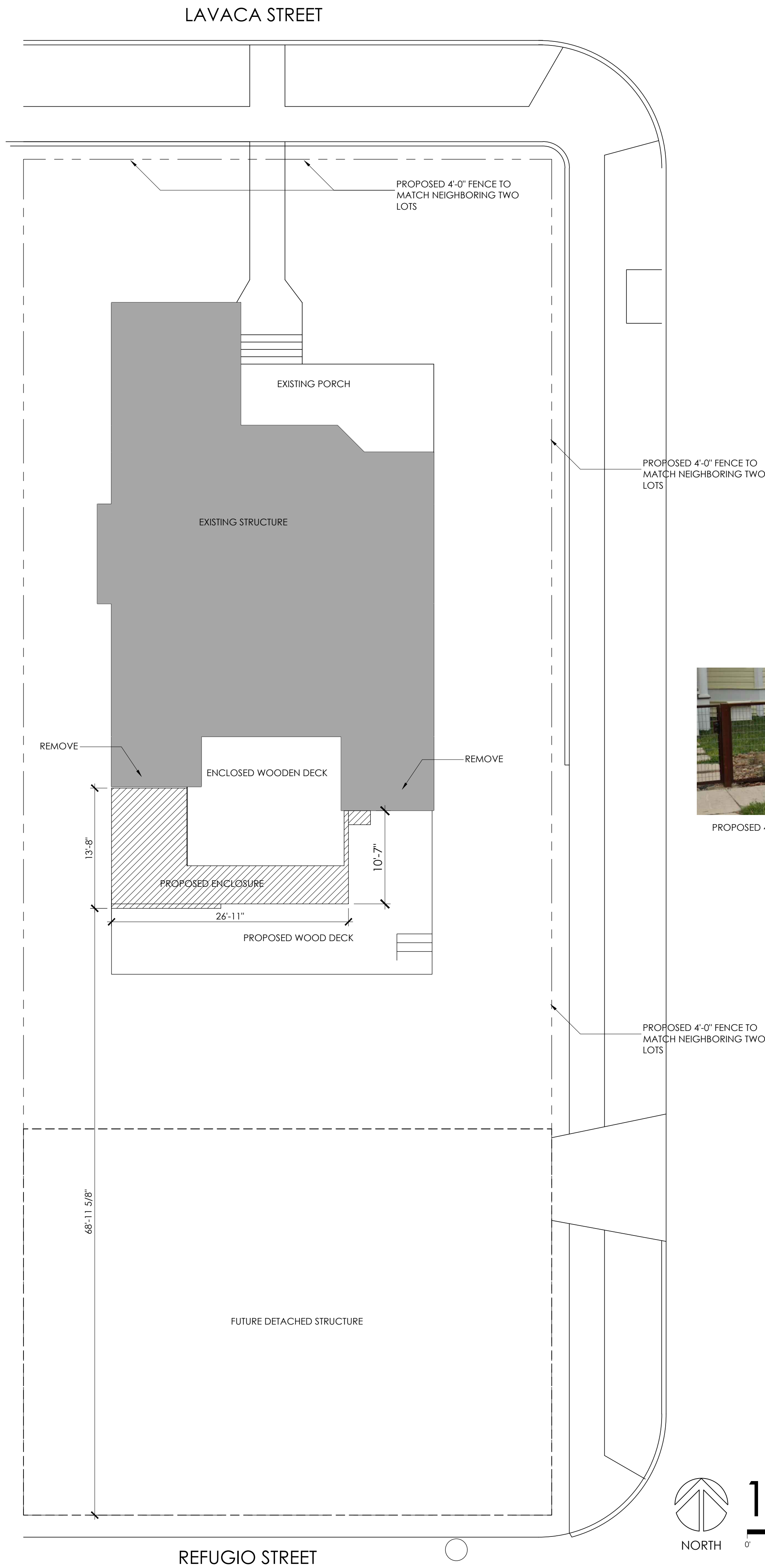




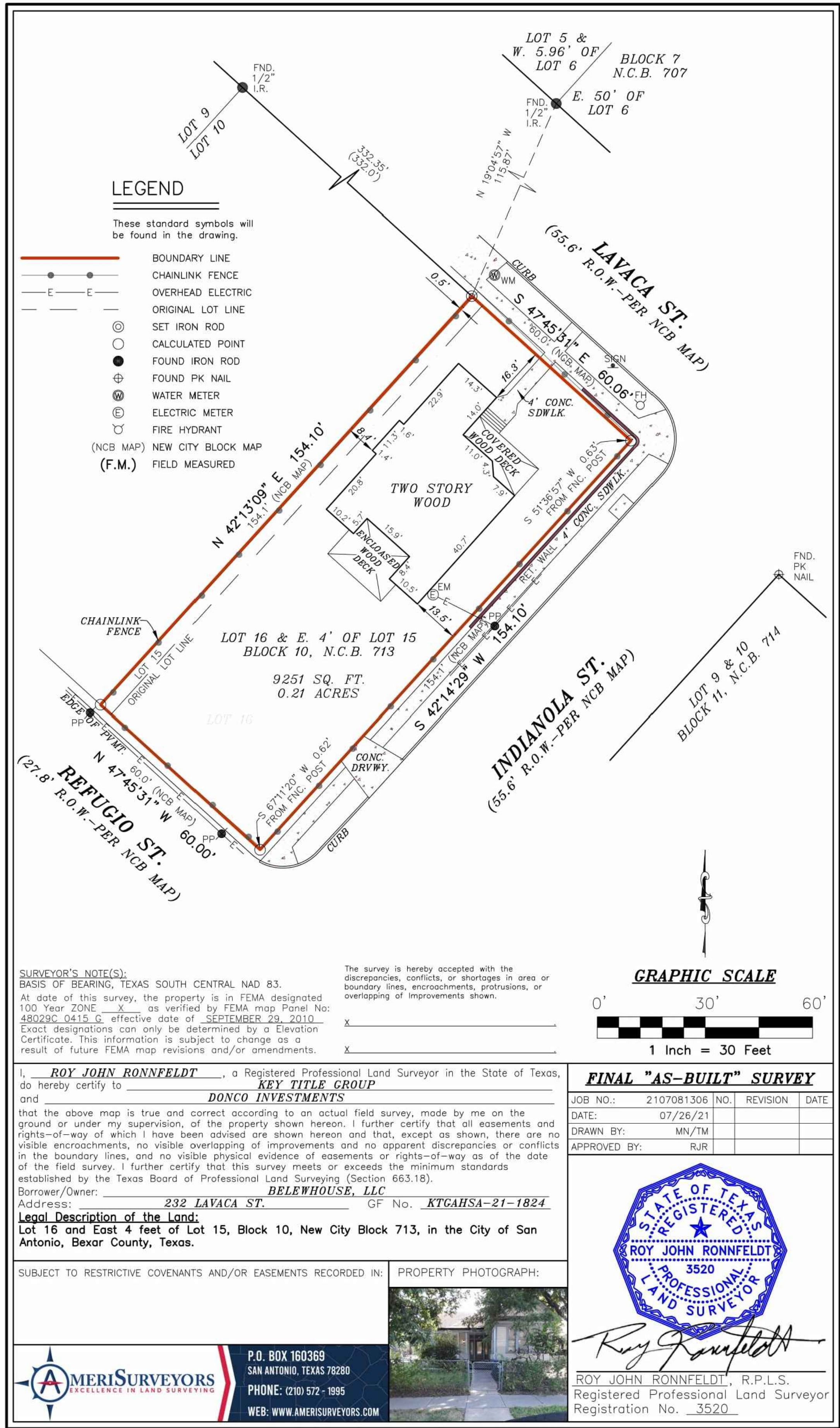








PROPOSED 4'-0" FENCE EXAMPLE



# Lavaca Remodel

232 Lavaca Street  
San Antonio, TX 78210

OWNER  
San Antonio Modern  
Clint Belew &  
David House  
232 Lavaca Street  
San Antonio, TX 78210

PROJECT NUMBER  
21-Lavaca  
SCHEMATIC DESIGN

NO.	DATE	DESCRIPTION OF ISSUE
1	27 Aug 2021	HDRC Revisions

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SHEET TITLE  
Site Plan & Survey

DATE  
29 September 2021

SHEET NUMBER

A1.01

























232 Lavaca Street  
San Antonio, TX 78210

PROJECT NUMBER  
21-Lavaca

NO.	DATE	DESCRIPTION OF ISS
1	27 Aug 2021	HDRC Revisions

SHEET TITLE

Floor Plan  
Window Schedule

DATE

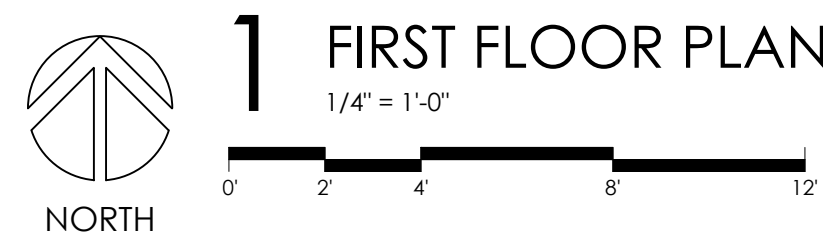
29 September 2021

BAR LENGTH  
ORIGINAL DRAW  
EQUALS 1 IN

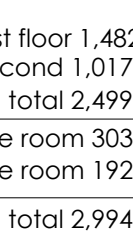


SHEET NUMBER

## A2.01

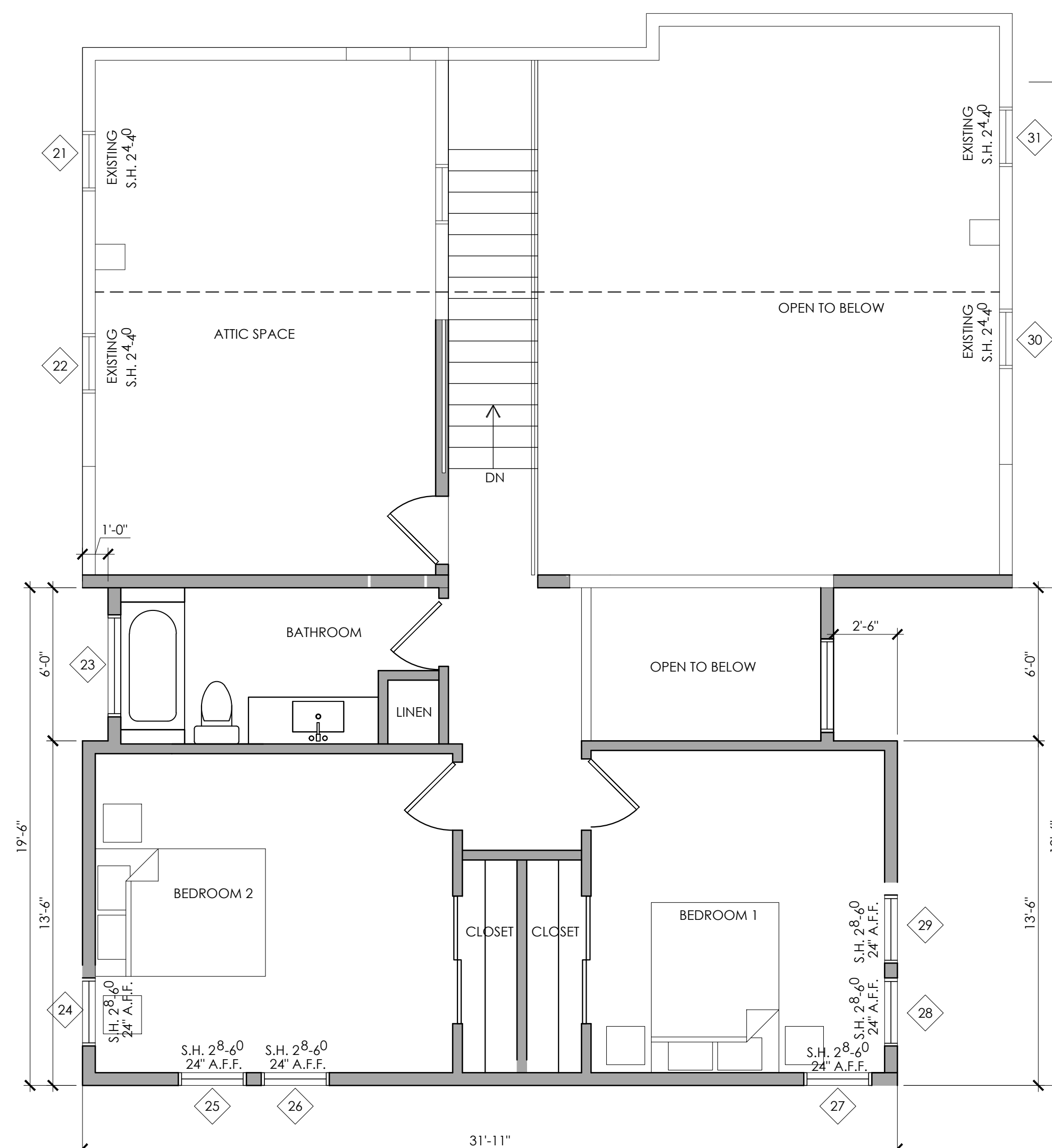
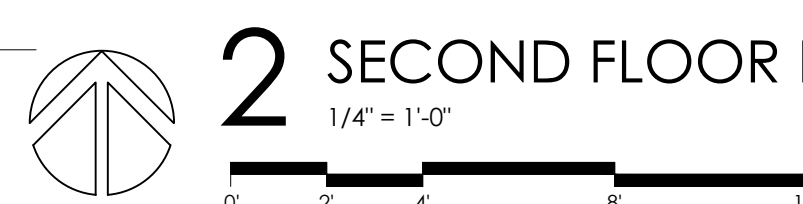
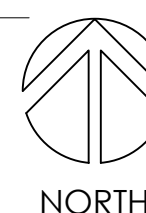


2X4 NON RATED PARTITION  
EXISTING WALLS TO REMAIN  
WALLS TO BE REMOVED



**L**  $1/4" = 1'-0"$

0' 2' 4' 8' 12'

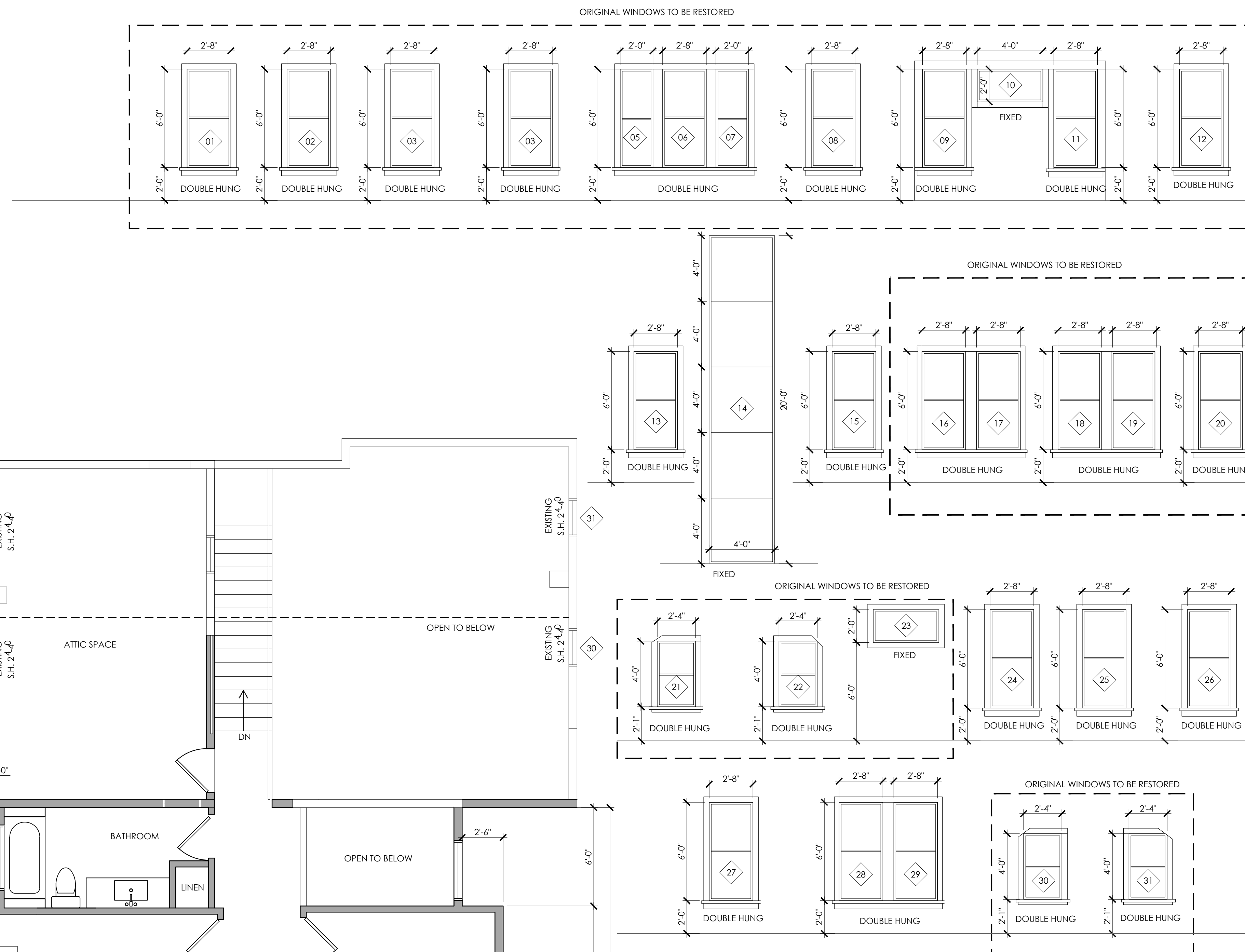


### 3 WINDOW SCHEDULE

WINDOW TYPE: ALUMINUM CLAD WOOD  
COLOR: SW CAVIAR 6990  
PROFILES: 2" INSET WITHIN FACADE  
MEETING RAILS: MUST BE TALLER THAN 1.2  
STILES NO WIDER THAN 2.25".

ALL **NEW** WINDOWS TO BE  
ALUMINUM CLAD WOOD WINDOWS

ALL **ORIGINAL** WINDOWS TO BE RESTORED





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Remodel

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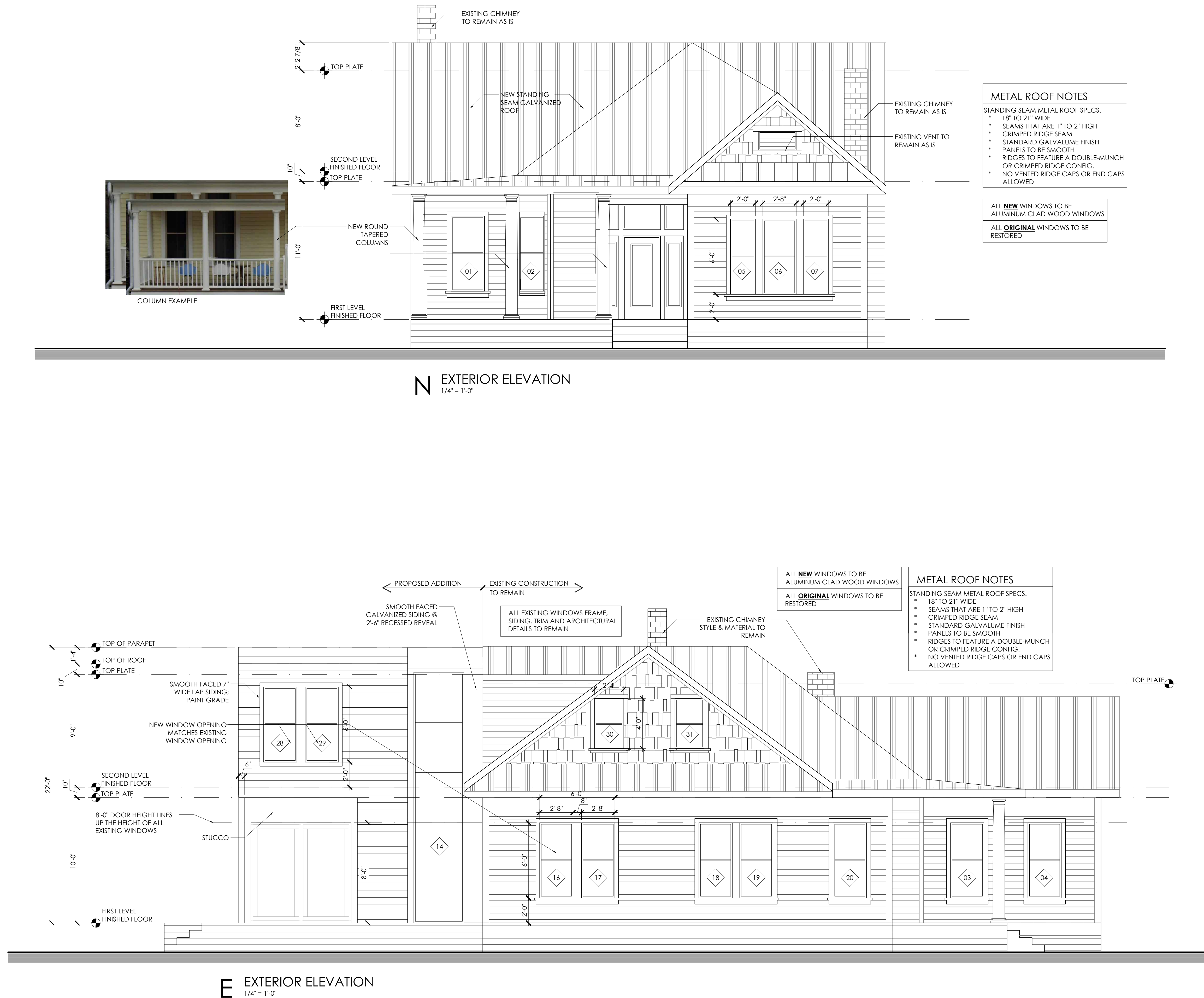
SHEET TITLE  
Exterior Elevations

DATE  
29 September 2021

BAR LENGTH ON ORIGINAL DRAWING EQUALS 1 INCH

SHEET NUMBER

A4.01





Lavaca  
Remodel

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OWNER  
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David House  
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San Antonio, TX 78210

PROJECT NUMBER  
21-Lavaca  
SCHEMATIC DESIGN

NO.	DATE	DESCRIPTION OF ISSUE
1	27 Aug 2021	HDRC Revisions

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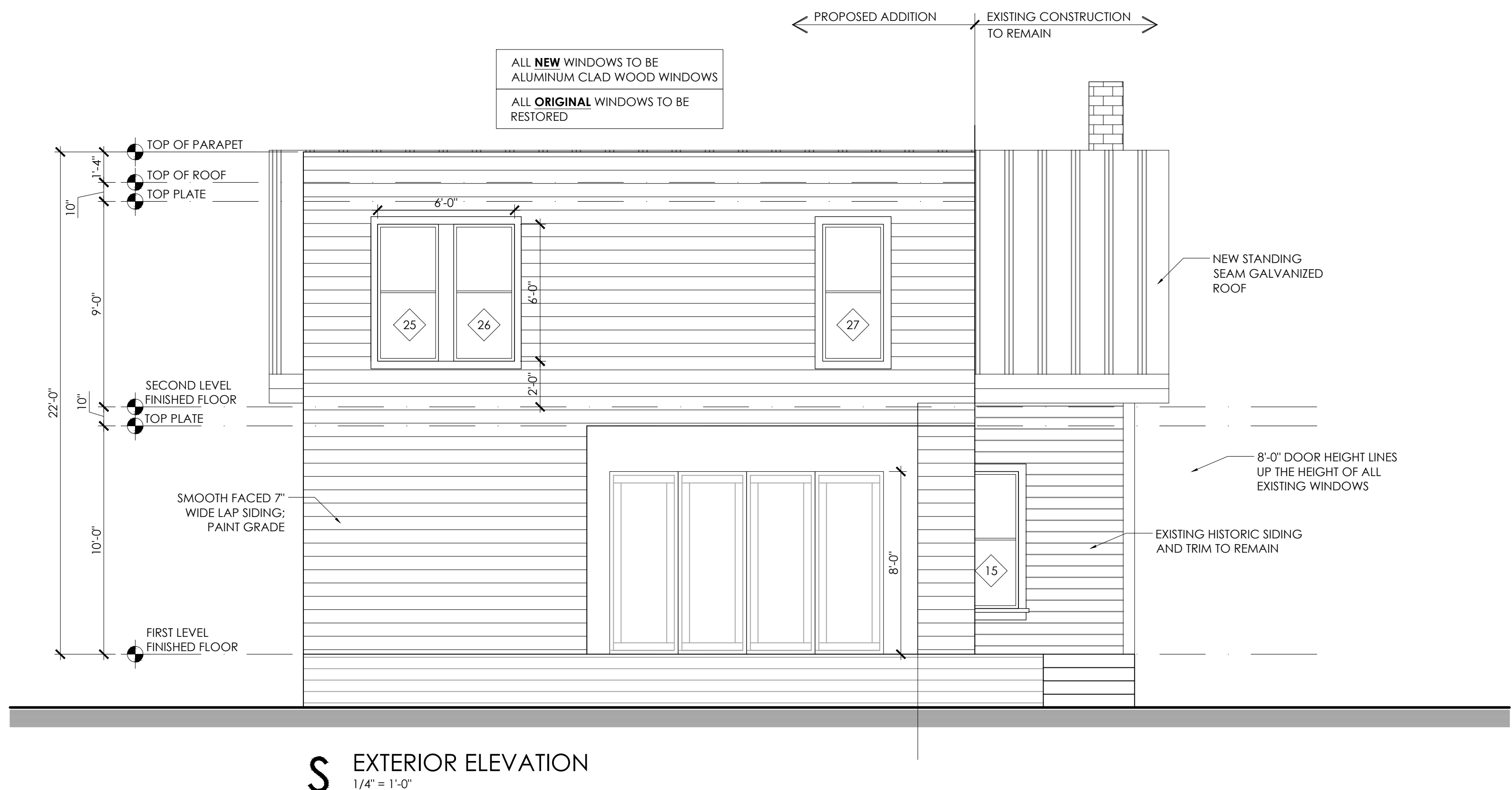
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SHEET TITLE  
Exterior Elevations

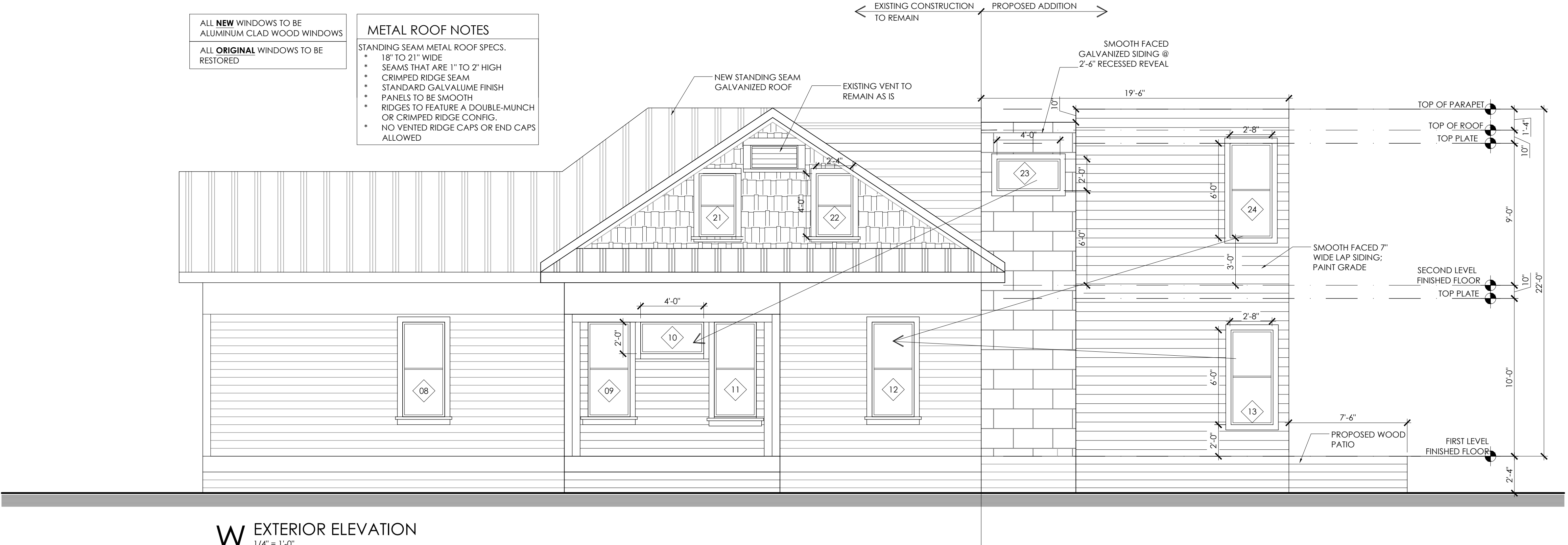
DATE  
29 September 2021

SHEET NUMBER

A4.02



S EXTERIOR ELEVATION  
1/4" = 1'-0"



W EXTERIOR ELEVATION  
1/4" = 1'-0"