



City of Sanibel

ADDENDUM NO. 1
August 15, 2025

RE: Sanibel Historical Museum and Village Rutland House Roof Replacement Project (ITB-PW-7-2025/SK) Proposal due date: August 28, 2025 @ 2:30PM

FROM: City of Sanibel
800 Dunlop Road
Sanibel, FL 33957

TO: Prospective Bidders and Others Concerned

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions, and/or revisions to and shall take precedence over the original document.

This Addendum consists of:

BID DUE DATE HAS BEEN REVISED TO 2:30 PM ON AUGUST 28, 2025. Sealed proposals will be received at the Office of the City Engineer, City of Sanibel, Florida, at the Public Works Building, 750 Dunlop Road, Sanibel, until 2:30 P.M., on AUGUST 28, 2025 and shortly thereafter will be publicly opened and read aloud. Any proposal offered later than the above time will be returned unopened.

August 20, 2025

TO: ALL PROSPECTIVE BIDDERS

RE: CITY OF SANIBEL
Historical Museum and Village Rutland House Roof Replacement

30 pages (including this page)

TO ALL PROSPECTIVE BIDDERS:

This addendum is issued this day in conformance with Article 2.1.02 of the Instruction to Bidders, included in the Contract Documents. The information contained in this addendum is intended to clarify, supersede, replace, or supplement the Contract Documents as specified herewith, and shall be made an integral part of the Contract.

This receipt of this addendum must be acknowledged on page P-2. This addendum has been prepared in response to Requests for Information (RFI's) received from prospective bidders as identified herein, and to clarify information contained in the Contract Documents.

Thank you for your cooperation.

Sincerely,



Rafael Jimenez, P.E., FRSE, SI
Senior Project Manager
Weston & Sampson Engineers

Enclosures: Addendum No. 2
Alternate Roof System Information Form
Specification Section 07 61 13
Specification Section 07 62 00
S101 ROOF FRAMING PLAN
S102 ROOF FRAMING SECTIONS
S501 ROOF DETAILS

ADDENDUM NO. 2RESPONSES TO QUESTIONS

- 1) Are alternate manufacturer's products such as Petersen Aluminum Snap-Clad Panels permitted?
Equal or equivalent products with valid Florida Product Approval and/or Miami Dade Notice of Acceptance that meet the components and cladding wind pressures will be permitted. Bidders shall complete and submit the attached form in the bid package.
- 2) Bidding documents identify metals to be steel. Due to the close proximity to salt water, can you please advise if bidders should factor for aluminum for corrosion reasons? If so, please provide thickness required.
Please bid steel products equal or equivalent to the basis of design specified in bid documents.
- 3) Due to the close proximity to salt water please confirm stainless steel clips and fasteners are required.
Stainless steel fasteners and nails are required. Provide hot-dip galvanized, conforming to ASTM A653/A653M clips. Clip corrosion resistance shall meet 0.90 ounce per square foot measured according to ASTM A90.
- 4) Please clarify the underlayment required and if UL Class A will be required for the system.
Provide Underlayment conforming to ASTM D1970 with a min. thickness of 45 mils.
- 5) Specifications state that work is expected to start in September 2025. This is height of hurricane season, not to mention rainy season. For a re-roof project with substantial open roof time due to roof structure hardening activities, would it not be more prudent to commence work in November, the start of our dryer season?
The project timeline was developed to align with the annual operational schedule of the Historical Museum. If tropical weather is in the forecast, the City will work with the contractor to adjust work schedules as necessary at that time.
- 6) There is scattered mention of stainless 316 nails to be used on sheathing. Is the intent to use stainless 316 on all fasteners and strapping. IE. Simpson connectors and straps, required strap nails, nails for sheathing and other carpentry and clips and fasteners for metal roof.
All fasteners and nails shall be stainless steel. Simpson connectors shall be hot dipped galvanized 2 ounce/square foot in accordance with ASTM A123. Simpson coiled straps shall be stainless steel.
- 7) Would aluminum .032 thickness for the roof panels be acceptable in lieu of Steel 25 guage panels. Aluminum is more resistant to salt air than the steel panels.
Please bid steel products equal or equivalent to the basis of design specified in bid documents
- 8) US Coating Specialists has confirmed with Gulf Coast Supply that the specified GulfLok panels will not meet the 20-year weathertight warranty or the required wind uplift pressures for this project. Due to the project's location, 0.032 aluminum will be required, as 24 ga steel is not suitable. Please advise on how you would like to proceed.
Please see updated specification Section 07 61 13 Standing Seam Sheel Metal Roofing and revised roofing details.

ALTERNATE ROOF SYSTEM INFORMATION FORM

Roof system manufacturer: _____

Valid Florida Product Approval: _____

Roof panel thickness: _____

Roof panel material: _____

Roof panel color: _____

Can the alternate roof system sustain the design wind pressures shown on contract documents (Y/N):

Does the alternate roof system comply with the warranty requirements in the technical specifications (Y/N): _____

SECTION 07 61 13

STANDING SEAM SHEET METAL ROOFING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roll-formed metal roof panels and related flashing/trim, sealant, and other accessories to provide complete roofing system.

1.2 RELATED REQUIREMENTS

- A. Division 6 Section "Wood Decking for wood frame structure supporting the metal roof.
- B. Division 7 Section "Sheet Metal Flashing and Trim" for flashing items not covered in this section.

1.3 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic design only.
- B. American Society of Civil Engineers (ASCE)
 - 1. ASCE 7 Minimum Design Loads for Buildings and Other Structures
- C. ASTM International (ASTM)
 - 1. ASTM A792/A792M Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process
 - 2. ASTM A924/A924M Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
 - 3. ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus
 - 4. ASTM C920 Standard Specification for Elastomeric Joint Sealants
 - 5. ASTM D1308 Effect of Household Chemicals on Clear and Pigmented Organic Finishes

6. ASTM D1970/D1970M Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
7. ASTM D2244 Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
8. ASTM D2247 Testing Water Resistance of Coatings in 100% Relative Humidity
9. ASTM D2794 Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
10. ASTM D3359 Standard Test Methods for Rating Adhesion by Tape Test
11. ASTM D3363 Film Hardness by Pencil Test
12. ASTM D4214 Standard Test Method for Evaluating the Degree of Chalking of Exterior Paint Films
13. ASTM D4587 Standard Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings
14. ASTM D522/D522M Mandrel Bend Test of Attached Organic Coatings
15. ASTM D523 Standard Test Method for Specular Gloss
16. ASTM D610 Evaluating Degree of Rusting on Painted Steel Surfaces
17. ASTM D822 Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings
18. ASTM D968 Abrasion Resistance of Organic Coatings by Falling Abrasive
19. ASTM E1592 Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference
20. ASTM E 1646 Water Penetration Uniform Static Air Pressure
21. ASTM E 1680 Water Penetration – Static Water Pressure Head
22. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
23. ASTM G152 Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
24. ASTM G153 Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

B. Metal Building Manufacturers Association (MBMA):

1. MBMA RSDM Metal Roofing Systems Design Manual

C. National Roofing Contractors Association (NRCA)

1. NRCA 0420 Architectural Metal Flashing, Condensation Control and Reroofing
2. The NRCA Roofing Manual

D. Sheet Metal and Air Conditioning Contractor's National Association (SMACNA)

1. SMACNA Architectural Sheet Metal Manual

E. Underwriter's Laboratory (UL)

1. UL 580 Tests for Uplift Resistance of Roof Assemblies
2. UL 2218 Impact Resistance of Prepared Roof Covering Materials

1.4 PREINSTALLATION MEETINGS

A. After approval of submittals and approval of Contractor's WTW application if applicable, and before performing roofing system installation work, hold a pre-roofing conference to review the following:

1. Drawings, specifications, and submittals related to the roof work.
2. Submit, as a minimum; sample profiles of roofing panels, with factory-applied color finish samples, flashing and accessories, typical fasteners and pressure sensitive tape, sample gaskets and sealant/insulating compounds. Also include manufacturer's installation manual.
3. Roof system installation;
4. Procedure for the roof manufacturer's technical representative's onsite inspection and acceptance of the roofing substrate, the name of the manufacturer's technical representatives, the frequency of the onsite visits, distribution of copies of the inspection reports from the manufacturer's technical representative;
5. Contractor's plan for coordination of the work of the various trades involved in providing the roofing system and other components secured to the roofing; and
6. Quality control plan for the roof system installation;
7. Safety requirements.

1.5 SUBMITTALS

A. Shop Drawings

1. Roofing Panels
2. Flashing and Accessories
3. Gutter/Downspout Assembly

B. Product Data: Submit manufacturer's catalog data for the following items:

1. Roof Panels

Rutland House Roof Replacement Project

2. Factory-Applied Color Finish
3. Accessories
4. Fasteners
5. Underlayment
6. Gaskets and Sealing/Insulating Compounds

C. Samples

1. Roof Panels
2. Factory-applied Color Finish, Samples

D. Manufacturer's Instructions

1. Installation Manual

E. Closeout Submittals

1. Warranties

1.6 QUALITY ASSURANCE

- A. Qualification of Manufacturer: Submit documentation verifying metal roof panel manufacturer has been in the business of manufacturing metal roof panels for a period of not less than 25 years.
- B. Manufacturer's Quality Assurance Program: Submit documentation verifying the metal roof panel manufacturer manages an internal quality assurance program. The program is designed to produce and deliver product in full and on time in a frequency over 95% of deliveries over a 12-month average.
- C. Manufacturer's Commitment to Safety: The manufacturer shall have an OSHA Total Recordable Injury Rate of 2.95 or less over a rolling 13-month average.
- D. Manufacturer's Technical Representative: The manufacturer's technical representative must be thoroughly familiar with the products to be installed, installation requirements and practices, and with any special considerations in the geographical area of the project. The representative must perform field inspections and attend meetings as specified herein.
- E. Single Source: Roofing panels, fasteners, clips, closures, and other accessories must be standard products supplied by the manufacturer, and the most recent design of the manufacturer to operate as a complete system for the intended use.

- F. Qualification of Installer: Metal roof system installer must be licensed in the state or municipality where the project will take place, and shall be factory trained by the manufacturer. Installer shall have a minimum of three years' experience installing the specified roof system. Supply the names, locations and client contact information of 5 projects of similar size and scope constructed by applicator using the manufacturer's roofing products submitted for this project within the previous three years.
- G. All trim shall be manufactured in a facility owned and operated by the manufacturer of the roofing system.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle panel materials, bulk roofing products, accessories, and other manufactured items in a manner to prevent damage and deformation, as recommended by the manufacturer, and as specified.
- B. Delivery: Package and deliver materials to the site in undamaged condition. Provide adequate packaging to protect materials during shipment. Do not uncrate materials until ready for use, except for inspection. Immediately upon arrival of materials at jobsite, inspect materials for damage, deformation, dampness, and staining. Remove affected materials from the site and immediately replace. Remove moisture from wet materials not otherwise affected, restack and protect from further moisture exposure.
- C. Handling: Handle materials in a manner to avoid damage. Select and operate material handling equipment so as not to damage materials or applied roofing.
- D. Storage: Stack materials stored on site on platforms or pallets, and cover with tarpaulins or other weathertight covering which prevents trapping of water or condensation under the covering. Store roof panels so that water which may have accumulated during transit or storage will drain off. Do not store panels in contact with materials that might cause staining. Secure coverings and stored items to protect from wind displacement.
- E. Manufacturer must have a manufacturing facility within 400 miles of job location.
- F. All roofing materials shall be delivered on trucks owned and operated by the manufacturer of the roof system.

1.8 WARRANTY

- A. Single Source Warranty: Roofing panels, fasteners, clips, closures, and other accessories must be standard products supplied by the manufacturer, and the most recent design of the manufacturer to operate as a complete system for the intended use. Products not supplied by manufacturer will not be covered under a WTW.
- B. Furnish the metal roof panel manufacturer's warranty as described below and subject to the applicable terms, conditions, and exclusions:
 - 1. Steel Substrate: Warrant that steel substrate will not as a result of corrosion rupture, fail structurally, or perforate for a period of 25 years.
 - 2. Kynar/polyvinylidene fluoride (PVDF) Paint System: Warrant that the paint system shall not fade more than 5 Hunter BE units as measured by ASTM D D2244 or chalk more than a number 8 rating as measured by ASTM D 4214 for a period of 35 years. Warrant that the paint system will not chip, crack, peel, flake, or otherwise lose adhesion for a period of 35 years.
- C. Provide roof system installer warranty for a period of not less than five (5) years that the roof system, as installed, is free from defects in installation workmanship, to include the roof panel installation, flashing, accessories, attachments, and sheet metal installation integral to a complete watertight roof system assembly. Correction of defective workmanship and replacement of damaged or affected materials is the responsibility of the metal roof system installer. All costs associated with the repair or replacement work are the responsibility of the installer.
- D. Weathertight Warranty: Provide a manufacturer's 20-year, No Dollar Limit warranty for the roofing system guaranteeing that the roof system shall remain weathertight for the duration of the warranty term, subject to the terms, conditions, and exclusions of the warranty program.
- E. Continuance of Warranty: Repair or replacement work that becomes necessary within the warranty period must be approved, as required, and accomplished in a manner so as to restore the integrity of the roof system assembly and validity of the metal roof system manufacturer warranty for the remainder of the warranty period.

1.9 CONFORMANCE AND COMPATABILITY

- A. The entire metal roofing and flashing system must be in accordance with specified and indicated requirements, including wind requirements. Work not specifically addressed and any deviation from specified requirements

must be in general accordance with recommendations of the MBMA RSDM, NRCA, the metal panel manufacturer's published recommendations and details, and compatible with surrounding components and construction. Submit any deviation from specified or indicated requirements to the project manager for approval prior to installation.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design Manufacturer: Gulf Coast Supply and Manufacturing, LLC; Newberry, FL. Tel: 888-393-0335 | Email: info@gulfcoastsupply.com | Web: www.gulfcoastsupply.com
1. 24ga steel VersaLoc, mechanical seam clip system with 1- $\frac{1}{2}$ " tall seam. flat. 16" coverage.

2.2 PERFORMANCE REQUIREMENTS

- A. Material:
1. Steel panels and accessory components must conform to the following standard(s): ASTM A792 and ASTM A924
 2. Aluminum panels and accessory components must conform to the following standard(s): ASTM B209
- B. Wind Uplift
1. Provide metal roof panel system tested according to UL 580. Uplift force due to wind action governs the design for panels. Roof system and attachments must resist the wind loads as determined by ASCE 7, in pounds per square foot.
- C. Fire Testing
1. Provide a Class C metal roof panel system tested according to UL 790.

2.3 METAL ROOF PANEL ACCESSORIES

Accessories must be compatible with the metal roof panels. Sheet metal flashing, trim, metal closure strips, caps, and similar metal accessories must be not less than the minimum thicknesses specified for roof panels. Provide exposed metal accessories to match the panels furnished except as otherwise indicated. Molded foam rib, ridge and other closure strips must be closed-cell or solid-cell synthetic rubber or neoprene pre-molded to match configuration of the panels and not absorb or retain water. Pre-manufactured accessories must be manufacturer's standard for intended purpose, compatible with the metal roof

system and approved for use by the metal roof panel manufacturer. Support all rooftop equipment/penetrations with curbs designed to structurally support the intended use. Construct curbs to match roof slope.

- A. Fasteners: Exposed Fasteners: Fasteners for roof panels must be corrosion resistant stainless steel, compatible with the sheet panel or flashing material and of the type and size recommended by the manufacturer to meet the performance requirements and design loads. Fasteners for accessories must be the manufacturer's standard. Provide an integral metal washer, matching the color of attached material with compressible sealing EPDM gasket.
 - 2. Screws: Provide corrosion resistant screws, stainless steel of the type and size recommended by the manufacturer to meet the performance requirements.
 - 3. Rivets: Provide blind rivets, corrosion resistant stainless steel, and color matched. Seat rivets in polyether sealant where watertight connections are required.
 - 4. Clips: Provide hot-dip galvanized, conforming to ASTM A653/A653M clips. Size, shape, thickness and capacity must meet the thickness and design load criteria specified.
- B. Sealants: Basis of Design Titebond WeatherMaster Metal Roof Sealant
 - 1. Sealants shall be a polyether containing a minimum solid content of 99 percent of the total volume.
 - 2. Shall be tested in accordance with ASTM C920 Type S, Grade NS, Class 50, Use NT, T, G, A and O.
 - 3. Sealant shall have an additive within it that allows it to stick to PVDF coated metal without applying a primer.
 - 4. Field Applied Sealants: Color to match panel color.
 - 5. Tape Sealants: Provide pressure sensitive, 100 percent solid tape sealant with a release paper backing; permanently elastic, non-sagging, non-toxic and non-staining as approved by the roof panel manufacturer.
- C. Sheet Metal Flashing and Trim: All flashing shall be manufactured by the roof system manufacturer. Obtain and verify field measurements for accurate fit prior to shop fabrication. Fabricate flashing and trim without excessive oil canning, buckling, and tool marks, true to line and levels indicated, with exposed edges folded back to form hems.
- D. Underlayment: Provide self-adhering modified underlayment material in compliance with ASTM D1970/D1970M, suitable for use as underlayment for metal roofing, 45 mils thick. Use membrane resistant to cyclical elevated temperatures for extended period of time in high heat service conditions. Provide membrane with integral non-tacking top surface of

polyethylene film or other surface material to serve as separator between bituminous material and metal products to be applied above.

- E. Gaskets: Gaskets and sealing/insulating compounds must be nonabsorptive and suitable for insulating contact points of incompatible materials. Sealing/insulating compounds must be non-running after drying.
- F. Finish Repair Materials: Repair paint for color finish enameled roofing must be compatible paint of the same formula and color as the specified finish furnished by the manufacturer. Only use repair and touch-up paint supplied by the roof panel manufacturer and is compatible with the specified system.

2.4 FABRICATION

- A. Fabricate and finish metal roof panels and accessories on a factory stationary roll former to the greatest extent possible, per manufacturer's standard procedures and processes, and as necessary to fulfill indicated performance requirements. Comply with indicated profiles, dimensional and structural requirements.

2.5 FINISHES

- A. Finish quality and application processes must conform to the related standards specified within this section. Noticeable variations within the same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved samples and are assembled or installed to minimize any contrasting variations.
- B. All panels are to receive a factory applied polyvinylidene fluoride/Kynar (PVDF) finish consisting of a baked topcoat with a manufacturer's recommended prime coat conforming to the following:
 - 1. Manufacturer: Akzo Nobel
 - 2. Color: The exterior finish chosen from the manufacturer's standard color chart.
 - 3. Physical Properties: Coating must conform to the industry and manufacturer's standard performance criteria as listed by the following certified test reports:
 - i. Finish shall contain 70% PVDF
 - ii. Abrasion: ASTM D968
 - iii. Adhesion: ASTM D3359
 - iv. Chemical Pollution: ASTM D1308

- v. Flame Spread: ASTM E84
- vi. Flexibility: ASTM D522
- vii. Formability: ASTM D522
- viii. Specular Gloss: ASTM D523
- ix. Humidity: ASTM D2247
- x. Pencil Hardness: ASTM D3363
- xi. Reverse Impact: ASTM D2794
- xii. Salt Spray: ASTM B117
- xiii. Weatherometer: ASTM G152, ASTM G153 and ASTM D822 or ASTM D3361, ASTM D4587, and ASTM G23

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for installation tolerances, metal roof panel supports, and other conditions affecting performance of the work. Ensure surfaces are suitable, dry and free of defects and projections which might affect the installation.
- B. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural support members for panels and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer, UL, ASTM, and ASCE 7.
- C. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking; and that installation is within flatness tolerances required by metal roof panel manufacturer, or total variation less than $\pm 1/2"$ from line of true slope in 10'.
- D. Examine rough-in for components and systems penetrating metal roof panels to verify actual locations of penetrations relative to seam locations of panels prior to installation.
- E. Submit a written report to the project manager listing conditions detrimental to the performance of the work. Proceed with installation only after defects have been corrected or the impacts identified have been accepted in writing.

3.2 METAL PANEL INSTALLATION

- A. Installation must meet specified requirements and be in accordance with the manufacturer's installation instructions and approved shop drawings. Do not install damaged materials. Dissimilar materials which are not compatible when contacting each other must be insulated by means of

gaskets or sealing/insulating compounds. Keep all exposed surfaces and edges clean and free from sealant, metal cuttings, hazardous burrs, and other foreign material. Remove stained, discolored, or damaged materials from the site.

B. Preparation:

1. Clean all substrate substances which may be harmful to roof panels including removing projections capable of interfering with roof panel attachment.
2. Install sub-purlins, eave angles, furring, decking, and other miscellaneous roof panel support members and anchorage according to manufacturer's written instructions, the project design, and applicable codes.

C. Underlayment:

1. Install underlayment according to the underlayment manufacturer's written recommendations, the roof panel manufacturer's written recommendations, recommendation in NRCA "The NRCA Roofing and Waterproofing Manual" and Florida Building Code requirements.
2. Show the extent and location of the appropriate underlayment on the drawings. The underlayment must ensure that any water penetrating below the roof panels will drain outside of the building envelope.
3. Install self-adhering sheet underlayment; wrinkle free on roof deck. Comply with temperature installation restrictions of manufacturer where applicable. Install at locations indicated on project drawings, lapped in a direction to shed water. Lap sides not less than 4 inches. Lap ends not less than 6 inches staggered 24 inches between courses. Cover underlayment within 30 days

D. Metal Panel Installation

1. Provide metal roof panels of full length from eave to ridge or eave to wall as indicated, unless otherwise indicated or restricted by shipping limitations. Anchor metal roof panels or other components of the Work securely in place, with provisions for thermal and structural movement in accordance with NRCA 0420. Use approved fasteners and clips as required by section 2.3.
2. Metal Protection: Where dissimilar metals contact each other or possibly corrosive substrates, protect against galvanic action by applying rubberized asphalt underlayment to each contact surface.
3. Joint Sealers: Install gaskets, joint fillers, and sealants where indicated and required for weatherproof performance of metal roof panel system. Provide types of gaskets, fillers, and

sealants indicated or, if not indicated, types recommended by metal roof panel manufacturer.

4. Handling and Erection
 - i. Erect roofing system in accordance with the approved erection drawings, printed instructions and safety precautions of the manufacturer.
 - ii. Do not subject panels to overloading, abuse, or undue impact. Do not apply bent, chipped, or defective panels. Damaged panels must be replaced and removed from the site at the contractor's expense. Erect panels true, plumb, and in exact alignment with the horizontal and vertical edges of the building, securely anchored, and with indicated rake, eave, and curb overhang. Allow for thermal movement of the roofing, movement of the building structure, and provide permanent freedom from noise due to wind pressure.
 - iii. Do not permit storage, walking, wheeling or trucking directly on applied roofing materials. Provide temporary walkways, runways, and platforms of smooth clean boards or planks as necessary to avoid damage to the installed roofing materials, and to distribute weight to conform to the indicated live load limits of the roof construction.
 - iv. Roof panels must be laid with corrugations in the direction of the roof slope. End laps of exterior roofing must not be less than 12 inches; side laps of standard exterior corrugated panels must not be less than 2-1/2.
 - v. Field cutting of metal roof panels by torch or abrasive blades is not permitted. Field cut only as recommended by manufacturer's written instructions.
5. Closure Strips
 - i. Install closure strips at open ends of metal ridge rolls; open ends of corrugated or ribbed pattern roofs, and at intersection of wall and roof, unless open ends are concealed with formed eave flashing; rake of metal roof unless open end has a formed flashing member; and in other required areas.
 - ii. Install closure strips at intersection of the wall with metal roofing; top and bottom of metal siding; heads of wall openings; and in other required locations.
6. Workmanship
 - i. Make lines, arises, and angles sharp and true. Free exposed surfaces from any visible wave, warp, buckle and tool marks. Make sheet metal exposed to the weather watertight with provisions for expansion and contraction.

- ii. Make surfaces to receive sheet metal plumb and true, clean, even, smooth, dry, and free of defects and projections which might affect the application. For installation of items not shown in detail or not covered by specifications conform to the applicable requirements of SMACNA. Provide sheet metal flashing in the angles formed where roof decks abut walls, curbs, ventilators, pipes, or other vertical surfaces and wherever indicated and as necessary to make the work watertight.

3.3 ACCESSORY INSTALLATION

- A. Fastener Installation: Anchor metal roof panels and other components of the Work securely in place, using approved fasteners according to manufacturer's written instructions.
- B. Flashing, Trim, and Closure Installation
 1. Comply with performance requirements, manufacturer's written installation instructions, and SMACNA. Provide concealed fasteners where possible. Set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently water tight and weather resistant. Work is to be accomplished to form weather tight construction without waves, warps, buckles, fastening stresses or distortion, and to allow for expansion and contraction. Cutting, fitting, drilling, and other operations in connection with sheet metal required to accomplish the work must conform to the manufacturers written instructions.
 2. Install exposed metal flashing at building corners, rakes, eaves, junctions between metal siding and roofing, valleys and changes off slope or direction in metal roofing, building expansion joints and gutters.
 3. Exposed metal flashing must be the same material, color, and finish as the specified metal roofing panels. Lap ends of flashing minimum of 4" and seal with approved joint sealant. Box out ends of flashing where required and provide rivets at corners and as required to create a stable and weathertight system.
 4. Fasten flashing at not more than 12 inches on center for roofs, except where flashing is held in place by the same screws used to secure panels. Exposed flashing and flashing subject to rain penetration must be bedded in specified joint sealant. Flashing which is contact with dissimilar metals must be isolated by means of the specified asphalt mastic material to prevent electrolytic deterioration.

3.4 FIELD QUALITY CONTROL

A. ACCEPTANCE PROVISIONS

1. Erection Tolerances: Erect metal roofing straight and true with plumb vertical lines correctly lapped and secured in accordance with the manufacturer's written instructions. Variation in coverage ("stretching" or "compressing" the panel width) not to exceed $\pm 1/16$ " per panel and accumulated variation not to exceed $\pm 1/500$ (2.4" in 100'). Total combined deviation from true due to fanning/dogleg shall not exceed panel length divided by 500 ($\pm L/500$).

B. Leakage Tests

1. Finished application of metal roofing is to be subject to inspection and test for leakage by the Project Manager or designated representative, and Architect/Engineer.
2. Inspection and testing is to be made promptly after erection to permit correction of defects and removal/replacement of defective materials.

C. Repairs to Finish

1. Scratches, abrasions, and minor surface defects of finish may be repaired with the specified repair materials and as recommended by the metal roof panel manufacturer. Repaired metal surfaces that are not acceptable to the project requirements are to be immediately removed and replaced with new material.

3.5 CLEANING AND PROTECTION

- A. Clean exposed sheet metal work at completion of installation. Remove metal shavings, filings, nails, bolts, and wires from roofs. Remove grease and oil films, excess sealants, handling marks, contamination from steel wool, fittings and drilling debris and scrub the work clean. Exposed metal surfaces must be free of dents, creases, waves, scratch marks, solder or weld marks, and damage to the finish coating. Touch up scratches in panel finish with manufacturer supplied touch-up paint system to match panel finish.
- B. Collect all scrap/waste materials and place in containers. Promptly dispose of demolished and scrap materials.
- C. Do not permit storing, walking, wheeling, and trucking directly on applied roofing/insulation materials. Provide temporary walkways, runways, and platforms of smooth clean boards or planks as necessary to avoid damage

to applied roofing/insulation materials, and to distribute weight to conform to indicated live load limits of roof construction.

END OF SECTION

SECTION 07 62 00
SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Formed roof-drainage sheet metal fabrications.
 - 2. Formed low-slope roof sheet metal fabrications.
 - 3. Formed steep-slope roof sheet metal fabrications.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For sheet metal flashing and trim.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Distinguish between shop- and field-assembled work.
 - 3. Include identification of finish for each item.
 - 4. Include pattern of seams and details of termination points, expansion joints and expansion-joint covers, direction of expansion, roof-penetration flashing, and connections to adjoining work.
- C. Samples: For each exposed product and for each color and texture specified.

1.4 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Product test reports.
- C. Sample warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.
 - 1. For copings and roof edge flashings that are SPRI ES-1 tested, shop shall be listed as able to fabricate required details as tested and approved.
- B. Mockups: Build mockups to verify selections made under Sample submittals to demonstrate aesthetic effects and to set quality standards for fabrication and installation.
 - 1. Build mockup of typical roof eave, including fascia, and fascia trim, approximately 10 feet (3.0 m) long.

1.7 WARRANTY

- A. Special Warranty on Finishes: Manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General: Sheet metal flashing and trim assemblies shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- B. Sheet Metal Standard for Flashing and Trim: Comply with NRCA's "The NRCA Roofing Manual" and SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- C. SPRI Wind Design Standard: Manufacture and install copings and roof edge flashings tested according to SPRI ES-1 and capable of resisting the following design pressure:
 - 1. Design Pressure: As indicated on Drawings.

- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.2 SHEET METALS

- A. General: Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.
- B. Stainless-Steel Sheet: ASTM A 240/A 240M, Type 304, dead soft, fully annealed; 2D (dull, cold rolled) finish.
- C. Metallic-Coated Steel Sheet: Provide aluminum-zinc alloy-coated steel sheet according to ASTM A 792/A 792M, Class AZ50 (Class AZM150) coating designation, Grade 40 (Grade 275); prepainted by coil-coating process to comply with ASTM A 755/A 755M.
 - 1. Surface: Manufacturer's standard clear acrylic coating on both sides.
 - 2. Exposed Coil-Coated Finish:
 - a. Three-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 3. Color: As selected by Architect from manufacturer's full range.

2.3 UNDERLAYMENT MATERIALS

- A. Felt: ASTM D 226/D 226M, Type II (No. 30), asphalt-saturated organic felt; nonperforated.
- B. Self-Adhering, High-Temperature Sheet: Minimum 30 mils (0.76 mm) thick, consisting of a slip-resistant polyethylene- or polypropylene-film top surface laminated to a layer of butyl- or SBS-modified asphalt adhesive, with release-paper backing; specifically designed to withstand high metal temperatures beneath metal roofing. Provide primer according to written recommendations of underlayment manufacturer.
 - 1. Thermal Stability: ASTM D 1970; stable after testing at 240 deg F (116 deg C) or higher.
 - 2. Low-Temperature Flexibility: ASTM D 1970; passes after testing at minus 20 deg F (29 deg C) or lower.
- C. Slip Sheet: Rosin-sized building paper, 3 lb/100 sq. ft. (0.16 kg/sq. m) minimum.

2.4 MISCELLANEOUS MATERIALS

- A. General: Provide materials and types of fasteners, solder, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal or manufactured item unless otherwise indicated.
- B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal or manufactured item.
 - 1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - a. Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.
 - b. Blind Fasteners: High-strength stainless-steel rivets suitable for metal being fastened.
 - c. Spikes and Ferrules: Same material as gutter; with spike with ferrule matching internal gutter width.
 - 2. Fasteners for Stainless-Steel Sheet: Series 300 stainless steel.
 - 3. Fasteners for Aluminum-Zinc Alloy-Coated Steel Sheet: Series 300 stainless steel.
- C. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch (13 mm) wide and 1/8 inch (3 mm) thick.
- D. Elastomeric Sealant: ASTM C 920, elastomeric polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.
- E. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.
- F. Bituminous Coating: Cold-applied asphalt emulsion according to ASTM D 1187.
- G. Asphalt Roofing Cement: ASTM D 4586, asbestos free, of consistency required for application.

2.5 FABRICATION, GENERAL

- A. General: Custom fabricate sheet metal flashing and trim to comply with details shown and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 - 1. Obtain field measurements for accurate fit before shop fabrication.
 - 2. Form sheet metal flashing and trim to fit substrates without excessive oil canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.
 - 3. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.
- B. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.
 - 1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with butyl sealant concealed within joints.
 - 2. Use lapped expansion joints only where indicated on Drawings.
- C. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal to provide for proper installation of elastomeric sealant according to cited sheet metal standard.
- D. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- E. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard for application, but not less than thickness of metal being secured.
- F. Seams: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with elastomeric sealant unless otherwise recommended by sealant manufacturer for intended use. Rivet joints where necessary for strength.

2.6 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Roof Edge Flashing and Fascia Cap: Fabricate in minimum 96-inch- (2400-mm-) long, but not exceeding 12-foot- (3.6-m-) long sections. Furnish with 6-inch- (150-mm-) wide, joint cover plates. Shop fabricate interior and exterior corners.
 - 1. Fabricate from the Following Materials:
 - a. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - b. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

- B. Base Flashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.
- C. Counterflashing and Flashing Receivers: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.
- D. Roof-Penetration Flashing: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

2.7 STEEP-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Apron, Step, Cricket, and Backer Flashing: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.
- B. Valley Flashing: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.
- C. Drip Edges: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.
- D. Eave, Rake, Ridge, and Hip Flashing: Fabricate from the following materials:
 - 1. Stainless Steel: 0.019 inch (0.48 mm) thick.
 - 2. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

PART 3 - EXECUTION

3.1 UNDERLAYMENT INSTALLATION

- A. Felt Underlayment: Install felt underlayment, wrinkle free, using adhesive to minimize use of mechanical fasteners under sheet metal flashing and trim. Apply in shingle fashion to shed water, with lapped joints of not less than 2 inches (50 mm).
- B. Synthetic Underlayment: Install synthetic underlayment, wrinkle free, according to manufacturers' written instructions, and using adhesive where possible to minimize use of mechanical fasteners under sheet metal.

- C. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free. Prime substrate if recommended by underlayment manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation; use primer for installing underlayment at low temperatures. Apply in shingle fashion to shed water, with end laps of not less than 6 inches (150 mm) staggered 24 inches (600 mm) between courses. Overlap side edges not less than 3-1/2 inches (90 mm). Roll laps and edges with roller. Cover underlayment within 14 days.

3.2 INSTALLATION, GENERAL

- A. General: Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement. Use fasteners, solder, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 - 1. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of solder, welds, and sealant.
 - 2. Install sheet metal flashing and trim to fit substrates and to result in watertight performance. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
 - 3. Space cleats not more than 12 inches (300 mm) apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 - 4. Install exposed sheet metal flashing and trim with limited oil canning, and free of buckling and tool marks.
 - 5. Torch cutting of sheet metal flashing and trim is not permitted.
- B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
 - 1. Coat concealed side of stainless-steel sheet metal flashing and trim with bituminous coating where flashing and trim contact wood, ferrous metal, or cementitious construction.
 - 2. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at maximum of 10 feet (3 m) with no joints within 24 inches (600 mm) of corner or intersection.

1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with sealant concealed within joints.
 2. Use lapped expansion joints only where indicated on Drawings.
- D. Fasteners: Use fastener sizes that penetrate substrate not less than recommended by fastener manufacturer to achieve maximum pull-out resistance.
- E. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- F. Seal joints as required for watertight construction. Prepare joints and apply sealants to comply with manufacturer's installation instructions.

3.3 ROOF FLASHING INSTALLATION

- A. General: Install sheet metal flashing and trim to comply with performance requirements, sheet metal manufacturer's written installation instructions, and cited sheet metal standard. Provide concealed fasteners where possible, and set units true to line, levels, and slopes. Install work with laps, joints, and seams that are permanently watertight and weather resistant.
- B. Roof Edge Flashing: Anchor to resist uplift and outward forces according to recommendations in cited sheet metal standard unless otherwise indicated. Interlock bottom edge of roof edge flashing with continuous cleat anchored to substrate.
- C. Pipe or Post Counterflashing: Install counterflashing umbrella with close-fitting collar with top edge flared for elastomeric sealant, extending minimum of 4 inches (100 mm) over base flashing. Install stainless-steel draw band and tighten.
- D. Counterflashing: Coordinate installation of counterflashing with installation of base flashing. Insert counterflashing in reglets or receivers and fit tightly to base flashing. Extend counterflashing 4 inches (100 mm) over base flashing. Lap counterflashing joints minimum of 4 inches (100 mm).
- E. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Seal with elastomeric sealant and clamp flashing to pipes that penetrate roof.

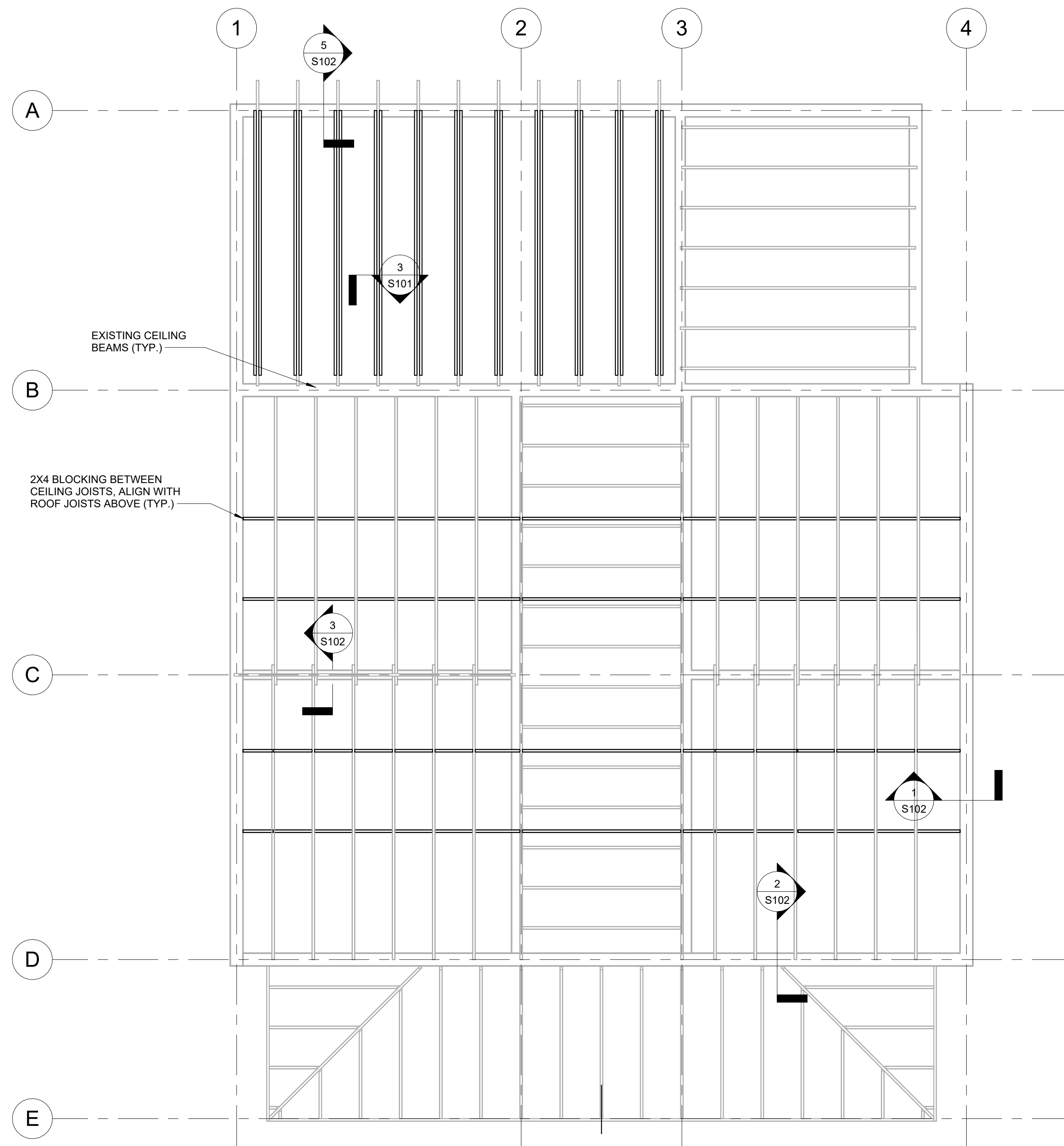
3.4 CLEANING AND PROTECTION

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.

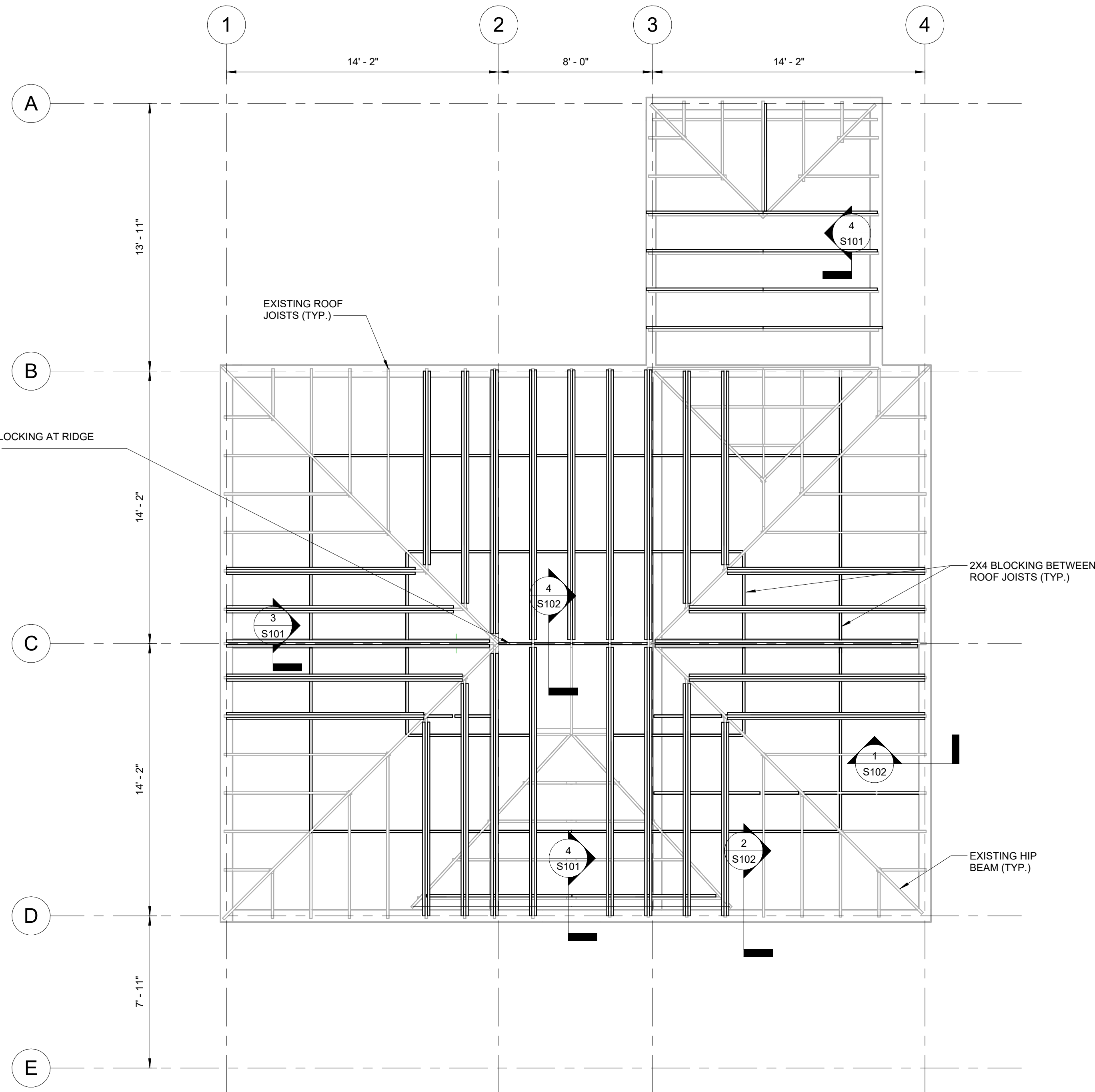
- B. Clean off excess sealants.
- C. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.

END OF SECTION

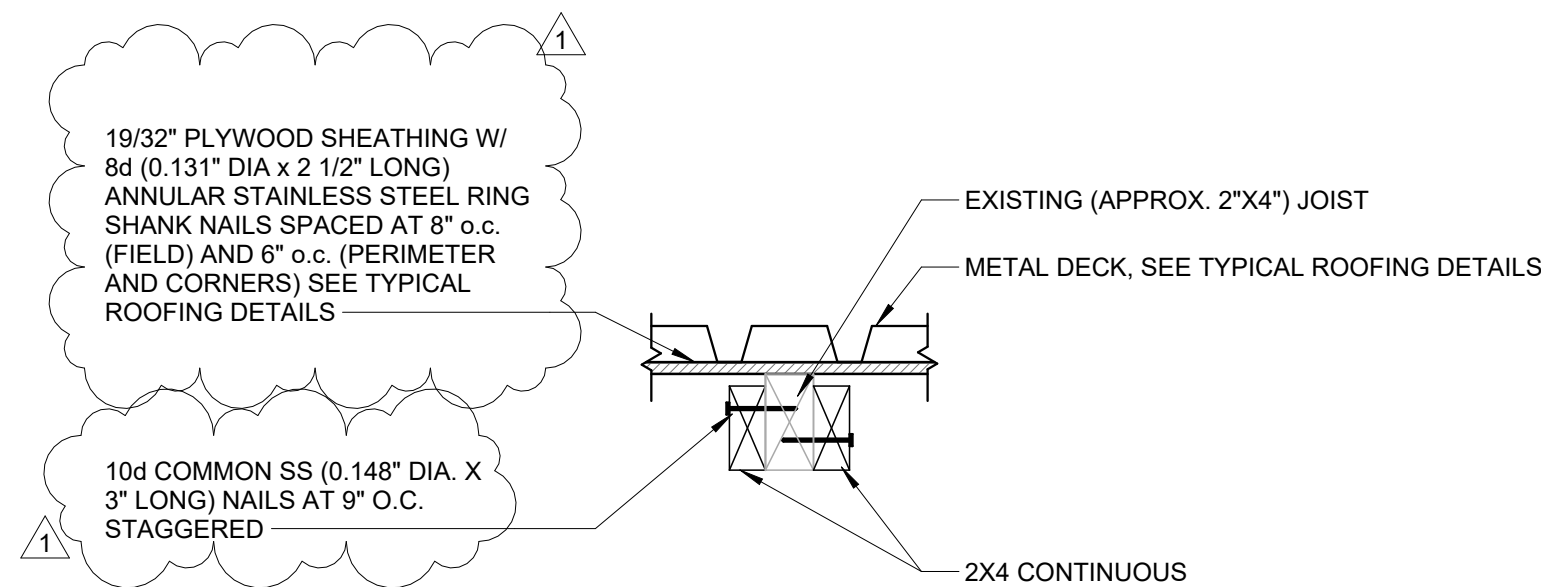
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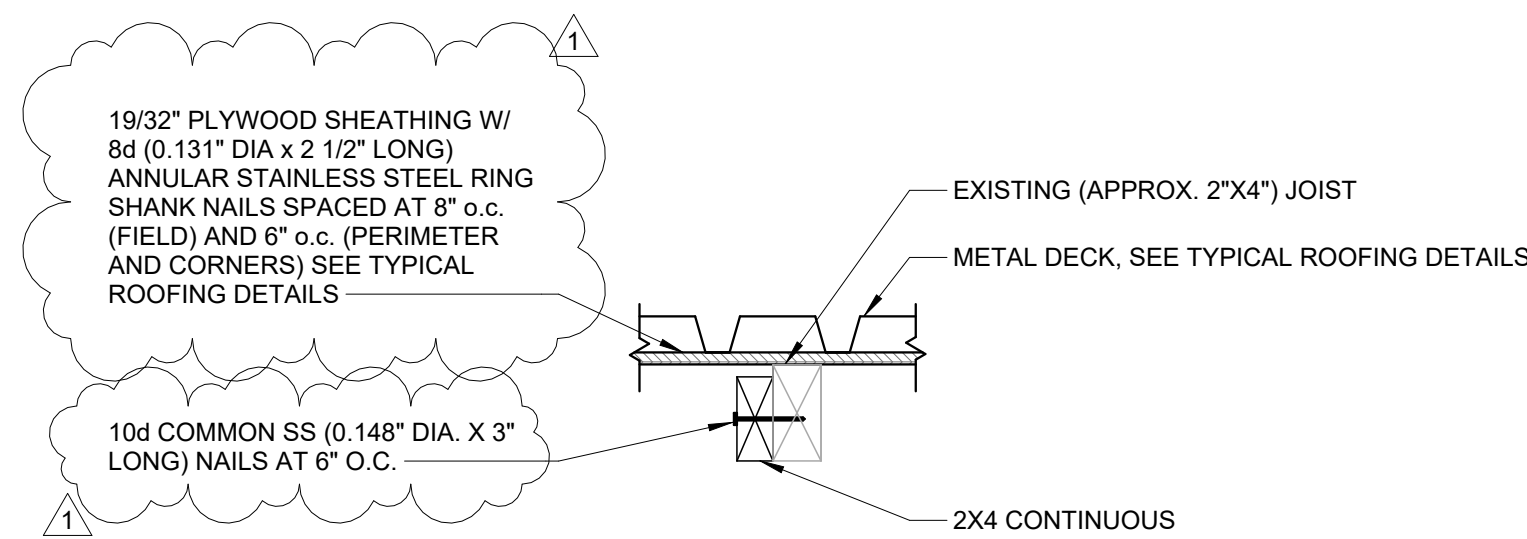
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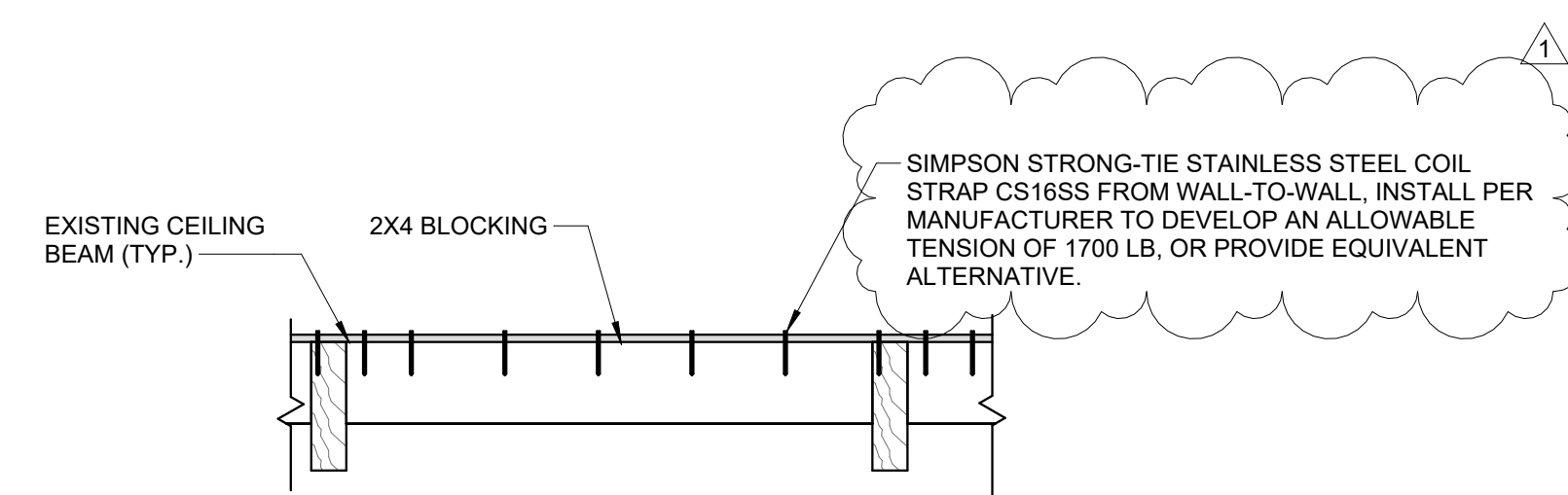
2 SLOPED FRAMING PLAN
SCALE: 1/4" = 1'-0"



3 DOUBLE SISTERED JOIST
SCALE: 1 1/2" = 1'-0"



4 SINGLE SISTERED JOIST
SCALE: 1 1/2" = 1'-0"



5 BLOCKING BETWEEN CEILING BEAMS
SCALE: 1 1/2" = 1'-0"

Consultants:

Revisions:

No.	Date	Description
1	8/20/2025	Addendum 2

COA:

Seal:

Issued For:

BIDDING

Scale: As indicated

Key Plan:

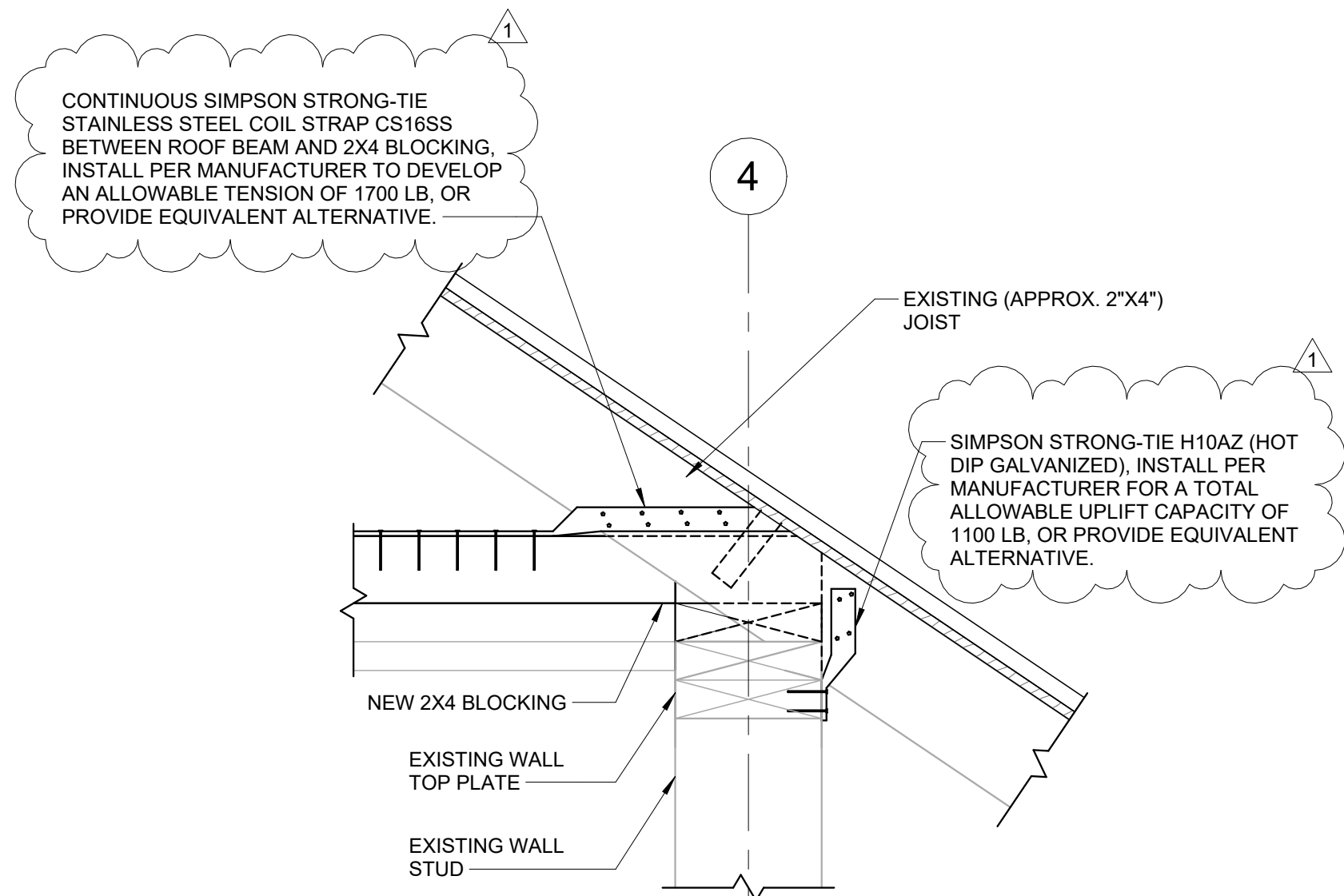
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Drawn By: RG
Reviewed By: RJ
Approved By: RJ
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W&S File No.:

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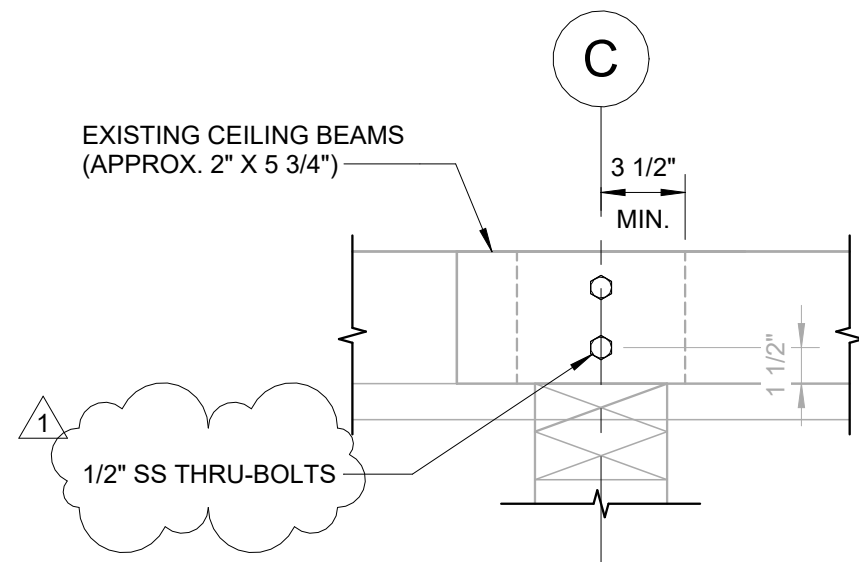
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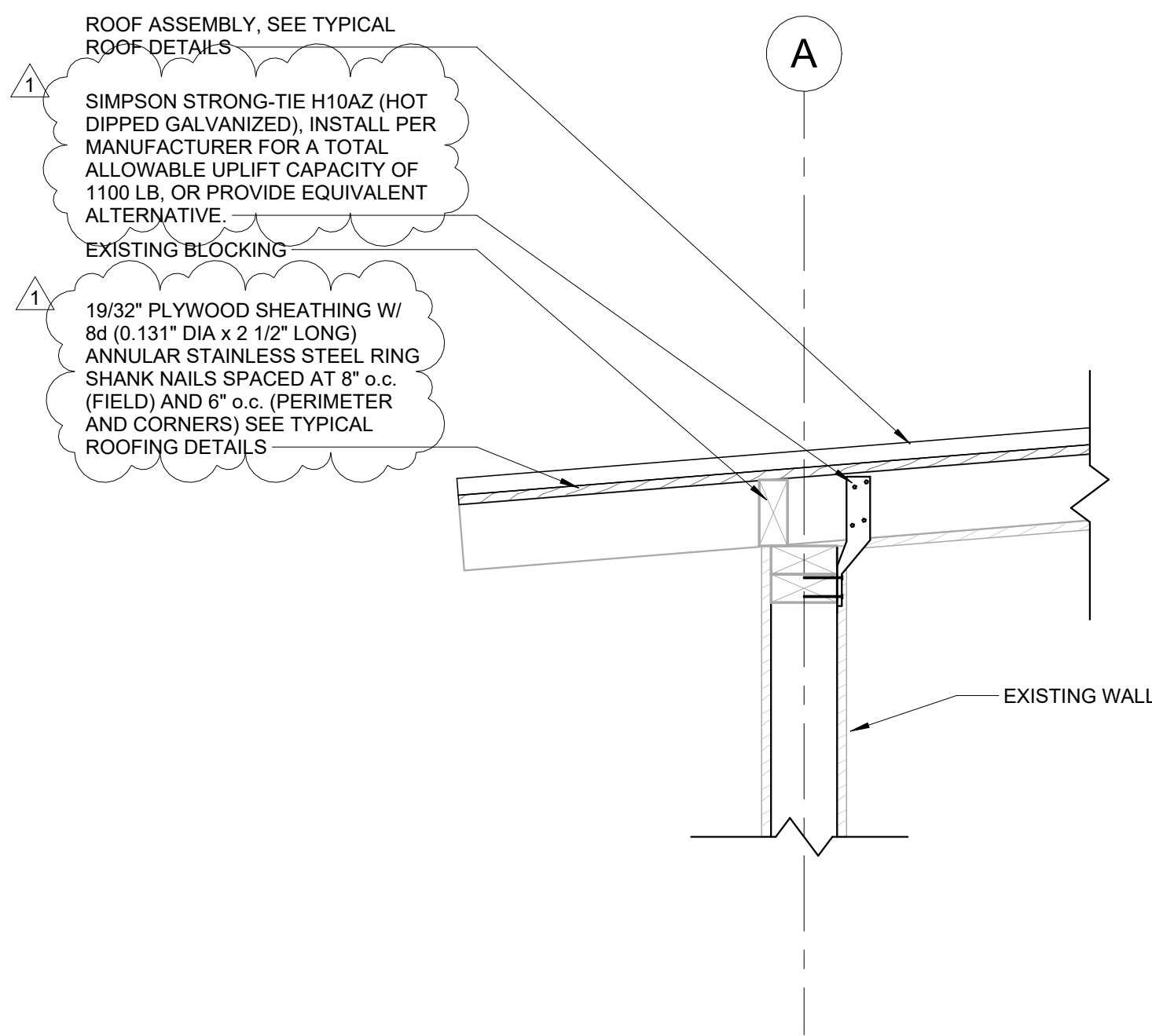
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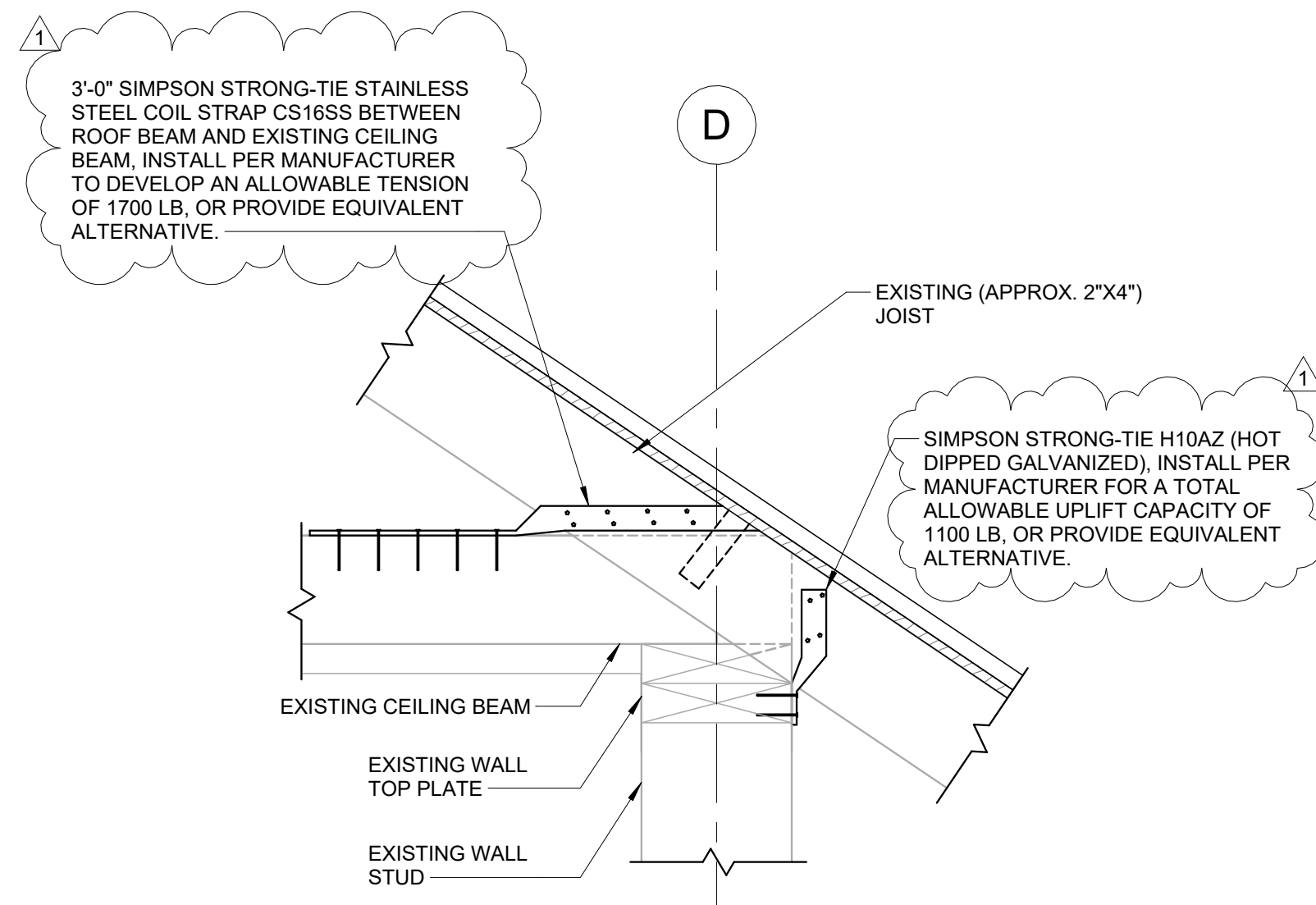
1 TIE DOWNS AT PERIMETER AT 2X4 BLOCKING
SCALE: 1 1/2" = 1'-0"



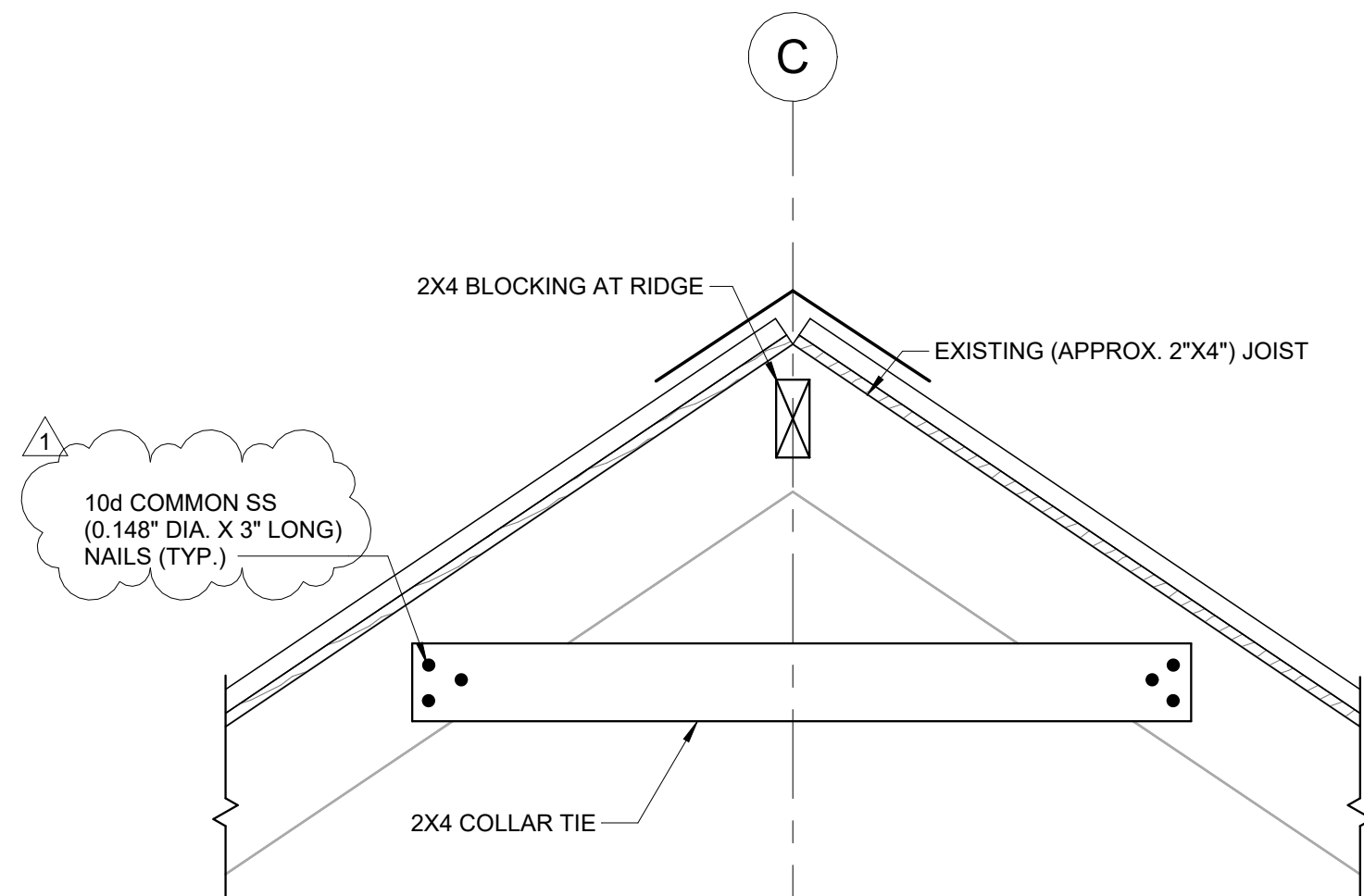
3 CONNECTION BETWEEN EXISTING CEILING BEAMS AT GRID C
SCALE: 1 1/2" = 1'-0"



5 HURRICANE STRAPS AT MONOSLOPE ROOF
SCALE: 1 1/2" = 1'-0"



2 TIE DOWNS AT PERIMETER AT CEILING BEAM
SCALE: 1 1/2" = 1'-0"



4 COLLAR TIES AND RIDGE BLOCKING
SCALE: 1 1/2" = 1'-0"

Consultants:

Revisions:

No.	Date	Description
1	8/20/2025	Addendum 2

COA:

Seal:

Issued For:

BIDDING

Scale: 1 1/2" = 1'-0"

Key Plan:

Date: 07/17/2025
Drawn By: RG
Reviewed By: RJ
Approved By: RJ

W&S Project No.: ENG25-0681
W&S File No.:

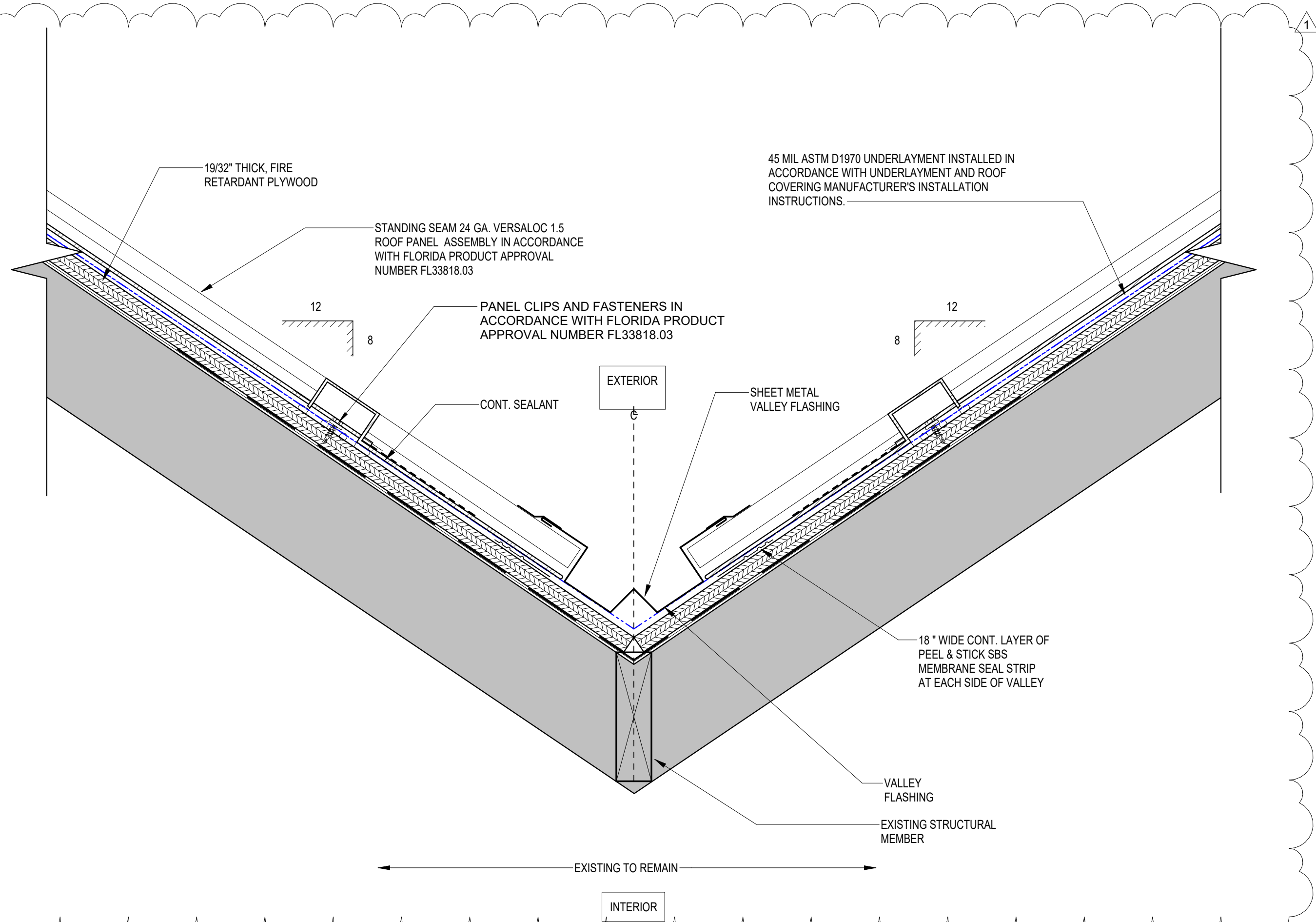
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**ROOF FRAMING
SECTIONS**

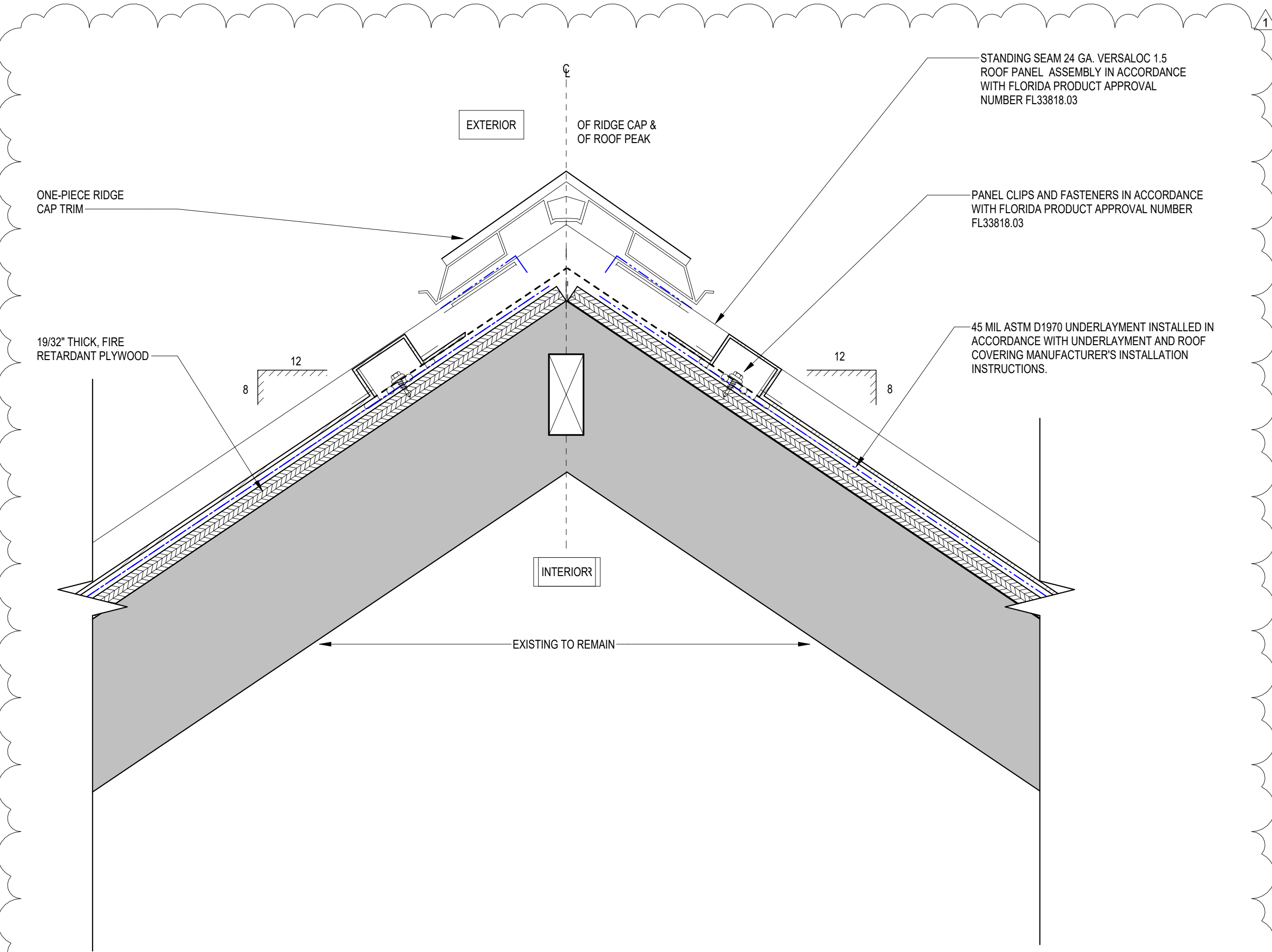
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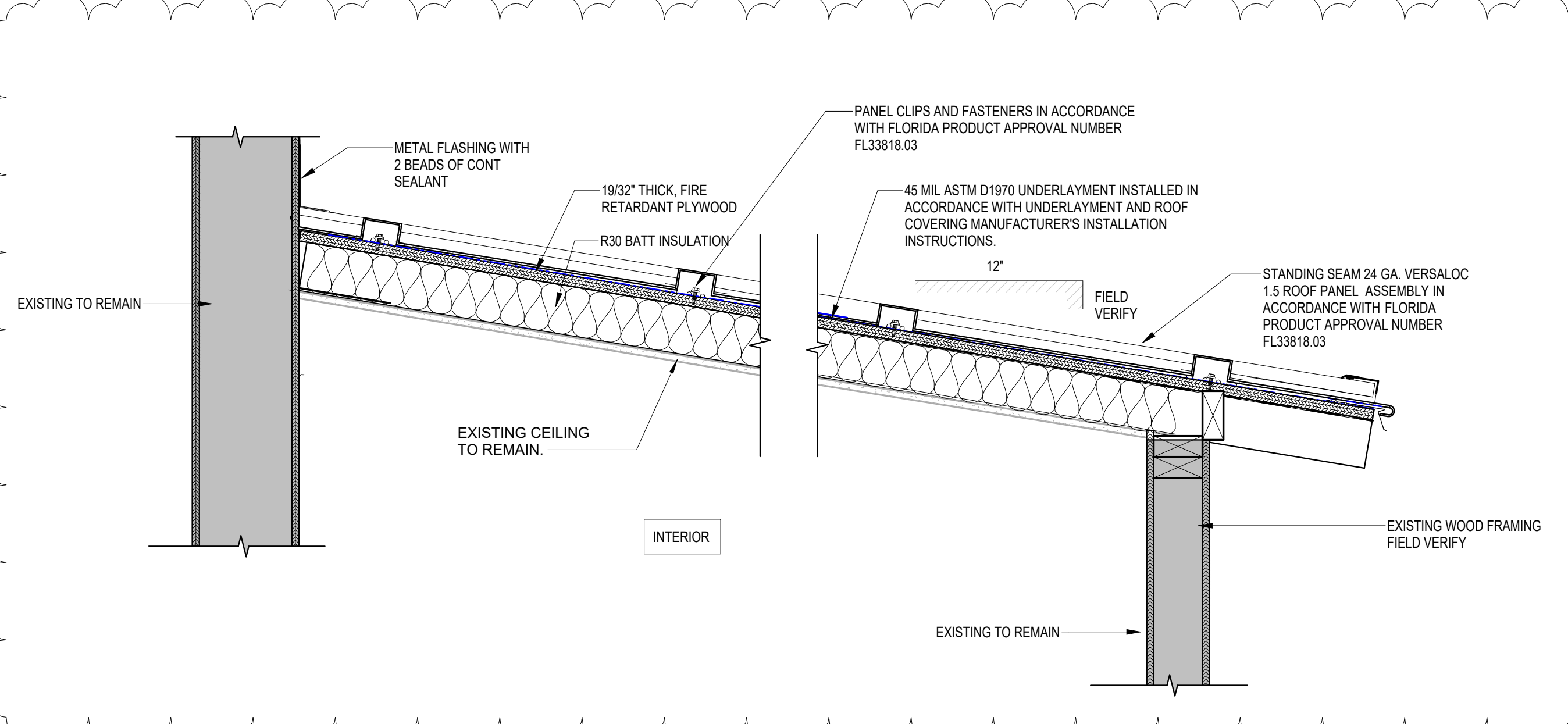
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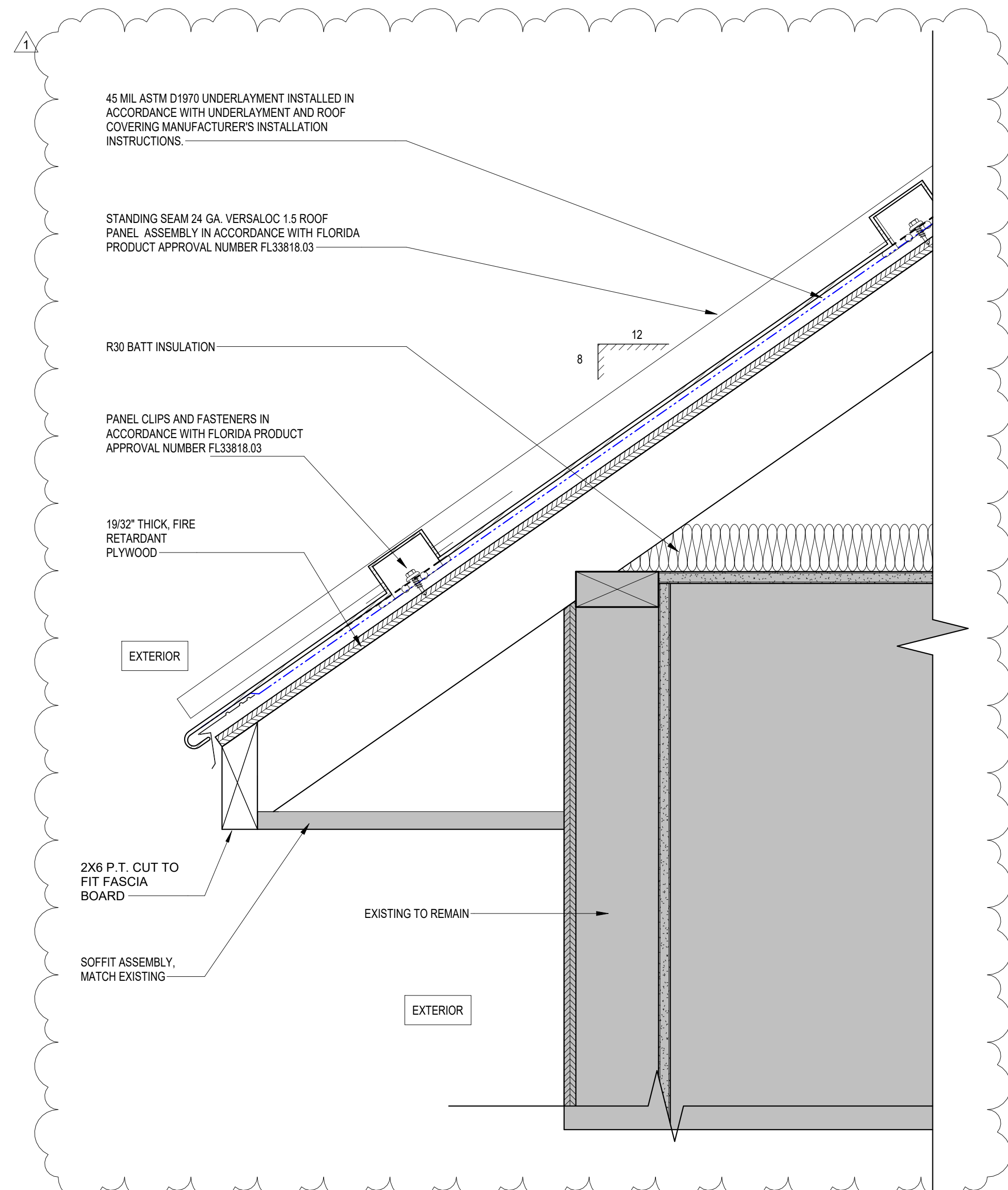
4 VALLEY DETAIL
SCALE: 3" = 1'-0"



2 RIDGE CAP DETAIL
SCALE: 3" = 1'-0"



3 MONOSLOPE STANDING SEAM ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



1 EAVE DETAIL
SCALE: 3" = 1'-0"

Project:
HISTORICAL MUSEUM AND VILLAGE
RUTLAND HOUSE ROOF REPLACEMENT
PROJECT
950 DUNLOP RD. SANIBEL, FL

CITY OF SANIBEL

Weston & Sampson
Weston & Sampson Engineers, Inc.
4210 Metro Parkway, Suite 230
Fort Myers, FL, 33916
978.532.1900 800.SAMPSON
www.westonandsampson.com

Revisions:

No.	Date	Description
1	8/20/2025	Addendum 2

COA:

Seal:

Issued For: **BIDDING**

Scale: As indicated
Key Plan:

Date: 07/17/2025
Drawn By: SSB
Reviewed By: RJ
Approved By: RJ
W&S Project No.: ENG25-0681
W&S File No.:

Drawing Title:

ROOF DETAILS

Sheet Number:

S501

August 21, 2025

TO: ALL PROSPECTIVE BIDDERS

RE: CITY OF SANIBEL
Historical Museum and Village Rutland House Roof Replacement

3 pages (including this page)

TO ALL PROSPECTIVE BIDDERS:

This addendum is issued this day in conformance with Article 2.1.02 of the Instruction to Bidders, included in the Contract Documents. The information contained in this addendum is intended to clarify, supersede, replace, or supplement the Contract Documents as specified herewith, and shall be made an integral part of the Contract.

This receipt of this addendum must be acknowledged on page P-2. This addendum has been prepared in response to Requests for Information (RFI's) received from prospective bidders as identified herein, and to clarify information contained in the Contract Documents.

Thank you for your cooperation.

Sincerely,



Rafael Jimenez, P.E., FRSE, SI
Senior Project Manager
Weston & Sampson Engineers

Enclosures: Addendum No. 3
Alternate Roof System Information Form

ADDENDUM NO. 3

REVISED RESPONSES TO QUESTION NUMBERS 2, 3 AND 7 PROVIDED IN ADDENDUM #2

- 2) Bidding documents identify metals to be steel. Due to the close proximity to salt water, can you please advise if bidders should factor for aluminum for corrosion reasons? If so, please provide thickness required.

Please bid steel products equal or equivalent to the basis of design specified in bid documents.

Revised Response: The City will evaluate aluminum or steel products equal or equivalent to the basis of design specified in bid documents. Bidders shall complete and submit the attached Alternate Roof System Information Form in the bid package.

- 3) Due to the close proximity to salt water please confirm stainless steel clips and fasteners are required. Stainless steel fasteners and nails are required. Provide hot-dip galvanized, conforming to ASTM A653/A653M clips. Clip corrosion resistance shall meet 0.90 ounce per square foot measured according to ASTM A90.

Revised Response: Stainless steel fasteners and nails are required. Provide hot-dip galvanized, conforming to ASTM A653/A653M or stainless-steel clips. Clip corrosion resistance shall meet 0.90 ounce per square foot measured according to ASTM A90.

- 7) Would aluminum .032 thickness for the roof panels be acceptable in lieu of Steel 25 guage panels. Aluminum is more resistant to salt air than the steel panels.

Please bid steel products equal or equivalent to the basis of design specified in bid documents

Revised Response: The City will evaluate aluminum or steel products equal or equivalent to the basis of design specified in bid documents. Bidders shall complete and submit the attached Alternate Roof System Information Form in the bid package.

ALTERNATE ROOF SYSTEM INFORMATION FORM

Roof system manufacturer: _____

Valid Florida Product Approval: _____

Roof panel thickness: _____

Roof panel material: _____

Roof panel color: _____

Can the alternate roof system sustain the design wind pressures shown on contract documents (Y/N):

Does the alternate roof system comply with the warranty requirements in the technical specifications (Y/N): _____