

**PROJECT MANUAL
FOR
CITY OF LYNCHBURG**

May 21, 2013

**Roof Replacement and Exterior Repairs for
Task 8: Peaks View Park Barn**

170 Ivy Creek Lane Lynchburg, Va. 24502

Lynchburg City Building Number PR814



**PROCUREMENT DIVISION
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SUMMARY

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: Roof Replacement and Exterior Repairs for Task 8: Peaks View Park Barn.
- B. Owner Building Designations:
 - 1. PR814
- C. Owner's Name: City of Lynchburg.
 - 1. Owner's Project Representative: Randy Dalton
- D. Architect's Name: Craddock Cunningham Architectural Partners.
 - 1. Project Architect: Mark W. Smith
- E. The project consists of general exterior repairs including replacement of damaged wood fascia and roof sheathing boards. Removal of 5-Vee roof panel and the replacement with pre-paint metal roof panels with concealed fasteners and associated metal flashing.
- F. Removal, restoration and replacement of the three roof top ventilators.
- G. Minor painting at the eaves and rake boards.
- H. Roof area is approximately 4,660 square feet.
- I. Alternates as follows as as discribed in Section 01-2300 ALTERNATES:
 - 1. Alternate #1 - Remove ventilators and bases (3). Salvage for owner. Prepare existing openings for new bases and install new ventilators as indicated.
 - 2. Alternate #2 - Metal roof panels and installation techniques.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price as described in agreement.

1.03 OWNER OCCUPANCY

- A. Owner intends to continue to occupy portions of the existing building during the entire construction period.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

1.04 CONTRACTOR USE OF SITE

- A. Construction Operations: Limited to the immediate area of the barn and grounds. Staging and storage areas to be within the adjacent parking area as mutually agreed upon by contractor and Owner's Project Representative.
- B. Provide access to and from site as required by law and by Owner:
 - 1. Do not obstruct roadways or other public ways without Owner's approval.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01-2300

ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of alternates.
- B. Procedures for pricing alternates.

1.02 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each alternate.

1.03 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 - Ventilators:
 - 1. Base Bid Item: Remove, restore and paint existing ventilators and re-install. Typical of 3 locations.
 - 2. Alternative Item: Remove existing ventilator and base. Salvage for Owner. Install new base and ventilator as specified in Section 07 7200 Roof Accessories. Placement in existing locations. Typical of 3 places.
- B. Alternate No. 2 - Roof Panels and Installation Methods.
 - 1. Base Bid Item: Section 07-4112 METAL ROOF PANELS.
 - 2. Alternate Item: Section 07-4113 METAL ROOF PANELS.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01-3000

ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Preconstruction meeting.
- B. Submittals for review, information, and project closeout.

1.02 PROJECT COORDINATION

- A. Project Coordinator: Randy Dalton.
- B. During construction, coordinate use of site and facilities through the Project Coordinator.
- C. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities.
- D. Make the following types of submittals to Architect through the Project Coordinator:
- E. The project coordinator may allow the general contractor to submit the following directly to the architect. This will be determined at the pre-construction meeting:
 - 1. Requests for interpretation.
 - 2. Requests for substitution.
 - 3. Shop drawings, product data, and samples.
 - 4. Applications for payment and change order requests.
 - 5. Closeout submittals.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

- A. Architect will schedule a meeting after Notice of Award.
- B. Attendance Required:
 - 1. Owner.
 - 2. Architect.
 - 3. Contractor.
- C. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.02 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
 - 1. Product data.
 - 2. Samples for selection.
- B. Samples will be reviewed only for aesthetic, color, or finish selection.

END OF SECTION

SECTION 01-4000

QUALITY REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Control of installation.

1.02 RELATED REQUIREMENTS

- A. Section 01-3000 - Administrative Requirements: Submittal procedures.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.
- D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have Work performed by persons qualified to produce required and specified quality.

3.02 DEFECT ASSESSMENT

- A. Replace Work or portions of the Work not conforming to specified requirements.
- B. If, in the opinion of Architect, it is not practical to remove and replace the Work, Architect will direct an appropriate remedy or adjust payment.

END OF SECTION

SECTION 01-5000

TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities.
- B. Temporary Controls: Barriers, enclosures, and fencing.
- C. Vehicular access and parking.
- D. Waste removal facilities and services.

1.02 TEMPORARY UTILITIES

- A. Owner will provide the following:
 - 1. Electrical power, consisting of connection to existing facilities.
 - 2. Water supply, consisting of connection to existing facilities.
- B. Use trigger-operated nozzles for water hoses, to avoid waste of water.

1.03 TEMPORARY SANITARY FACILITIES

- A. Use of existing facilities located at public toilets is permitted.

1.04 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public and to protect existing facilities and adjacent properties from damage from construction operations.
 - 1. Polyethylene 4 feet high orange barricade fence.

1.05 VEHICULAR ACCESS AND PARKING

- A. Existing parking areas located at project site and may be used for construction parking.

1.06 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01-7000

EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Examination, preparation, and general installation procedures.
- B. Cutting and patching.
- C. Cleaning and protection.

1.02 COORDINATION

- A. Coordinate completion and clean-up of work of separate sections.
- B. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

- A. New Materials: As specified in product sections; match existing products and work for patching and extending work.
- B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.
- B. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.
- C. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 ALTERATIONS

- A. Remove existing work as indicated and as required to accomplish new work.
 - 1. Where new surface finishes are to be applied to existing work, perform removals, patch, and prepare existing surfaces as required to receive new finish; remove existing finish if necessary for successful application of new finish.
 - 2. Where new surface finishes are not specified or indicated, patch holes and damaged surfaces to match adjacent finished surfaces as closely as possible.
- B. Adapt existing work to fit new work: Make as neat and smooth transition as possible.

- C. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the surface is indicated to be refinished, patch so that the substrate is ready for the new finish.
- D. Refinish existing surfaces as indicated:
 - 1. Clean wood and remove stain for new application of stain and sealer.
 - 2. Clean conduits and light fixtures attached to structure.
- E. Remove demolition debris and abandoned items from alterations areas and dispose of off-site.

3.04 CUTTING AND PATCHING

- A. Perform whatever cutting and patching is necessary to:
 - 1. Complete the work.
 - 2. Fit products together to integrate with other work.
 - 3. Match work that has been cut to adjacent work.
 - 4. Repair areas adjacent to cuts to required condition.

3.05 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

3.06 FINAL CLEANING

- A. Execute final cleaning prior to final project assessment.
- B. Clean debris from roofs, gutters and downspouts.
- C. Clean site; sweep paved areas, rake clean landscaped surfaces.

3.07 CLOSEOUT PROCEDURES

- A. Notify Architect when work is considered ready for Substantial Completion.
- B. Correct items identified as not complying with requirements.

END OF SECTION

SECTION 07-0150.19

PREPARATION FOR RE-ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Removal of existing metal roofing system in preparation for a new metal roofing system.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 MATERIAL REMOVAL

- A. Remove only existing roofing materials that can be replaced with new materials as the weather will permit.
- B. Remove drip edge.
- C. Repair or replace existing wood deck boards as required for solid deck construction. All deck replacement shall be of same type and size. The only change in cost to project will be decking verified by Owner or documented by photography by contractor before placement of roof panels.

END OF SECTION

SECTION 07-4112

METAL ROOF PANELS (BASE BID)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Architectural roofing system of preformed or field formed steel panels.
- B. Fastening system.
- C. Accessories and miscellaneous components.

1.02 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Storage and handling requirements and recommendations.
 - 2. Installation methods.
 - 3. Specimen warranty.
- C. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
 - 1. Show work to be field-fabricated or field-assembled.
- D. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches square, representing actual roofing metal, thickness, profile, color, and texture.
- E. Warranty: Submit specified manufacturer's warranty and ensure that forms have been completed in Owner's name and are registered with manufacturer.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in the manufacture of roofing systems similar to those required for this project.
- B. Installer Qualifications: Installed a minimum of 5 roofs (2000 sf minimum each) of standing seam type and authorized by roofing system manufacturer.

1.04 WARRANTY

- A. See Section 01-7800 - Closeout Submittals, for additional warranty requirements.
- B. Standard 20 year Galvalume warranty for corrosion.
- C. Waterproofing Warranty: Provide manufacturer's warranty for weathertightness of roofing system, including agreement to repair or replace roofing that fails to keep out water within specified warranty period of 2 years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Design is based on 1-1/2 inch high Series 1300 - 24 ga, manufactured by Englert Inc; www.englertinc.com.
- B. Acceptable manufacturers are:
 - 1. Architectural Building Components: www.archmetalroof.com.
 - 2. ATAS International, Inc: www.atas.com.
 - 3. Fabral: www.fabral.com
 - 4. Petersen Aluminum Corporation: www.pac-clad.com.
- C. Substitutions: See Section 01-6000 - Product Requirements.

2.02 ARCHITECTURAL METAL ROOF PANELS

- A. Architectural Metal Roofing: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.
- B. Metal Panels: Factory or Field -formed panels with mill finish.
 - 1. Steel Panels:
 - a. Aluminum-zinc alloy-coated steel conforming to ASTM A792/A792M; minimum AZ50 coating.
 - b. Thickness: 24 gage.
 - 2. Profile: Standing seam, with minimum 1.5 inch seam height; concealed fastener system lapped seam in standing seam profile.
 - 3. Texture: Smooth.
 - 4. Width: Maximum panel coverage of 16 inches.
 - 5. Mill-Finish Steel Panels: Treat with passivating chemical prior to shipment, to inhibit formation of corrosion.

2.03 ATTACHMENT SYSTEM

- A. Concealed System: Provide manufacturer's standard stainless steel or nylon-coated aluminum concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

2.04 ACCESSORIES AND MISCELLANEOUS ITEMS

- A. Miscellaneous Sheet Metal Items: Provide flashings, trim, closure strips, caps, and equipment curbs of the same material, thickness, and finish as used for the roofing panels. Items completely concealed after installation may optionally be made of stainless steel.
- B. Sealants: Elastomeric type containing no oil or asphalt.
 - 1. Exposed sealant must cure to rubber-like consistency.
 - 2. Concealed sealant must be non-hardening type.
- C. Underlayment for Wood Substrate: ASTM D226 roofing felt, perforated type; covered by water-resistant rosin-sized building paper.

2.05 FABRICATION

- A. Panels: Fabricate panels and accessory items at factory or in the field, using manufacturer's standard processes as required to achieve specified appearance and performance requirements.

PART 3 EXECUTION

3.01 PREPARATION

- A. Broom clean wood sheathing prior to installation of roofing system.
- B. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to assure that the completed roof will be free of leaks.
- C. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by roof panel manufacturer.

3.02 INSTALLATION

- A. Overall: Install roofing system in accordance with approved shop drawings and panel manufacturer's instructions and recommendations, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural movement.
 - 1. Install roofing system with concealed clips and fasteners, except as otherwise recommended by manufacturer for specific circumstances.
 - 2. Minimize field cutting of panels. Where field cutting is absolutely required, use methods that will not distort panel profiles. Use of torches for field cutting is absolutely prohibited.

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- B. Accessories: Install all components required for a complete roofing assembly, including flashings, trim, caps, and equipment curbs.
- C. Install roofing felt and building paper slip sheet on roof deck before installing preformed metal roof panels. Secure by methods acceptable to roof panel manufacturer, minimizing use of metal fasteners. Apply from eaves to ridge in shingle fashion, overlapping horizontal joints a minimum of 2 inches and side and end laps a minimum of 3 inches. Offset seams in building paper and seams in roofing felt.
- D. Roof Panels: Install panels in strict accordance with manufacturer's instructions, minimizing transverse joints except at junction with penetrations.
 - 1. Form weathertight standing seams incorporating concealed clips, using an automatic mechanical seaming device approved by the panel manufacturer.

3.03 CLEANING

- A. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving the work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

END OF SECTION

SECTION 07-4113

METAL ROOF PANELS (ALTERNATE)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Architectural roofing system of preformed or field formed steel panels.
- B. Special termination details that are not standard with all manufacturers
- C. Fastening system.
- D. Accessories and miscellaneous components.

1.02 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Storage and handling requirements and recommendations.
 - 2. Installation methods.
 - 3. Specimen warranty.
- C. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
 - 1. Show work to be field-fabricated or field-assembled.
- D. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches square, representing actual roofing metal, thickness, profile, color, and texture.
- E. Mock-up Sample: Provide on a loan basis a mock-up panel that shows two panel seams and terminations at the ridge and eave for architect's approval. (panel width does not have to be 16 inch wide).
- F. Warranty: Submit specified manufacturer's warranty and ensure that forms have been completed in Owner's name and are registered with manufacturer.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in the manufacture of roofing systems similar to those required for this project.
- B. Installer Qualifications: Installed a minimum of 5 roofs (2000 sf minimum each) of standing seam type and authorized by roofing system manufacturer.

1.04 WARRANTY

- A. See Section 01-7800 - Closeout Submittals, for additional warranty requirements.
- B. Warranty for Galvalume shall be manufacturer's standard 20 years for corrosion.
- C. Waterproofing Warranty: Provide manufacturer's warranty for weathertightness of roofing system, including agreement to repair or replace roofing that fails to keep out water within specified warranty period of 2 years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Design is based on 1-1/2 inch high Series 1300 - 26 ga, manufactured by Englert Inc; www.englertinc.com.
- B. Other acceptable manufacturers are:
 - 1. Architectural Building Components: www.archmetalroof.com.
 - 2. ATAS International, Inc: www.atas.com.
 - 3. Fabral: www.fabral.com

4. Petersen Aluminum Corporation: www.pac-clad.com.

C. Substitutions: See Section 01-6000 - Product Requirements.

2.02 ARCHITECTURAL METAL ROOF PANELS

- A. Architectural Metal Roofing: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.
- B. Metal Panels: Factory or Field -formed panels with mill finish.
 - 1. Steel Panels:
 - a. Aluminum-zinc alloy-coated steel conforming to ASTM A792/A792M; minimum AZ50 coating.
 - b. Thickness: 26 gage.
 - 2. Profile: Standing seam, with minimum 1.5 inch seam height; concealed fastener system for field seaming with special tool.
 - 3. Texture: Smooth.
 - 4. Width: Maximum panel coverage of 16 inches.
 - 5. Mill-Finish Steel Panels: Treat with passivating chemical prior to shipment, to inhibit formation of corrosion.

2.03 ATTACHMENT SYSTEM

- A. Concealed System: Provide manufacturer's standard stainless steel or nylon-coated aluminum concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

2.04 ACCESSORIES AND MISCELLANEOUS ITEMS

- A. Miscellaneous Sheet Metal Items: Provide flashings, trim, closure strips, caps, and equipment curbs of the same material, thickness, and finish as used for the roofing panels. Items completely concealed after installation may optionally be made of stainless steel.
- B. Ridge Closures: Provide field combed down seams to batten cap at ridge.
- C. Eave Closures: Folded or combed down seams at eave termination.
- D. Sealants: Elastomeric type containing no oil or asphalt.
 - 1. Exposed sealant must cure to rubber-like consistency.
 - 2. Concealed sealant must be non-hardening type.
- E. Underlayment for Wood Substrate: ASTM D226 roofing felt, perforated type; covered by water-resistant rosin-sized building paper.

2.05 FABRICATION

- A. Panels: Fabricate panels and accessory items at factory or field, using manufacturer's standard processes as required to achieve specified appearance and performance requirements. Note special termination details that apply to fabrication.

PART 3 EXECUTION

3.01 PREPARATION

- A. Broom clean wood sheathing prior to installation of roofing system.
- B. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to assure that the completed roof will be free of leaks.
- C. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by roof panel manufacturer.

3.02 INSTALLATION

- A. Special seaming terminations apply as indicated on drawings. Appearance desired is for traditional standing seam roof with combed down seams at the ridge without the use of a

wide ridge cap. Transition of slope is by means of crimping. Folded or combed termination at the eaves.

- B. Overall: Install roofing system in accordance with approved shop drawings and panel manufacturer's instructions and recommendations, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural movement.
 - 1. Install roofing system with concealed clips and fasteners, except as otherwise recommended by manufacturer for specific circumstances.
 - 2. Minimize field cutting of panels. Where field cutting is absolutely required, use methods that will not distort panel profiles. Use of torches for field cutting is absolutely prohibited.
- C. Accessories: Install all components required for a complete roofing assembly, including flashings, trim, caps, and equipment curbs.
- D. Install roofing felt and building paper slip sheet on roof deck before installing preformed metal roof panels. Secure by methods acceptable to roof panel manufacturer, minimizing use of metal fasteners. Apply from eaves to ridge in shingle fashion, overlapping horizontal joints a minimum of 2 inches and side and end laps a minimum of 3 inches. Offset seams in building paper and seams in roofing felt.
- E. Roof Panels: Install panels in strict accordance with manufacturer's instructions, minimizing transverse joints except at junction with penetrations.

3.03 CLEANING

- A. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving the work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

END OF SECTION

SECTION 07-7200

ROOF ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Roof Ventilators

1.02 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used.
 - 1. Preparation instructions and recommendations.
 - 2. Installation methods.
- C. Shop Drawings: Submit detailed layout developed for this project, with design setting on roof surface.

PART 2 PRODUCTS

2.01 VENTILATORS

- A. Manufacturer:
 - 1. AA Statuary & Weathervane Co. Newburgh New York 12550
 - a. <http://weathervaneparts.com/contents/en-us/d408.html>
- B. Model: Galvalume 48 Barn Vent.
- C. Accessories: Complete base with roof pitch cut out and anchor clips.
- D. Quantity: Three.

PART 3 EXECUTION

3.01 PREPARATION

- A. Remove existing ventilator and salvage for owner.
- B. Install manufactured base.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions, in manner that maintains roofing weather integrity.

END OF SECTION

SECTION 09-9000

PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Limited wood preparation and painting of wood at the fascia and eave of roof.
- B. Cleaning and preparation to the metal roof ventilators for restoration.

1.02 SUBMITTALS

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide complete list of all products to be used, with the following information for each:
 - 1. Manufacturer's name, product name and/or catalog number.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Paints:
 - 1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.
 - 2. Duron, Inc: www.duron.com.
 - 3. Glidden Professional: www.gliddenprofessional.com.
 - 4. Benjamin Moore & Co: www.benjaminmoore.com.
 - 5. PPG Architectural Finishes, Inc: www.ppgaf.com.
 - 6. Pratt & Lambert Paints: www.prattandlambert.com.
- B. Substitutions: See Section 01-6000 - Product Requirements.

2.02 PAINTS AND COATINGS - GENERAL

- A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
 - 1. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
 - 2. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
- B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- C. Colors: Match existing.

2.03 PAINT SYSTEMS - EXTERIOR

- A. Wood, Opaque, Alkyd, 3 Coat:
 - 1. One coat of alkyd primer sealer.
 - 2. Semi-gloss: Two coats of alkyd enamel; Sherwin-Williams A100.
- B. Ferrous Metals, 3 Coat:
 - 1. Primer: Sherwin-Williams Macropoxy 646 Fast Cure Epoxy.
 - 2. Semi-gloss: Two coats of Acrylic Polyurethane; Sherwin-Williams Acrolon 218 HS Acrylic Polyurethane.

PART 3 EXECUTION

3.01 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Seal surfaces that might cause bleed through or staining of topcoat.

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- C. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry. (do not do a wipe-on-wipe-off method of cleaning with sponge or rag).

3.02 APPLICATION

- A. Apply products in accordance with manufacturer's instructions.
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

END OF SECTION

**Appendix Photos for
Task 8: Peaks View Park Barn**

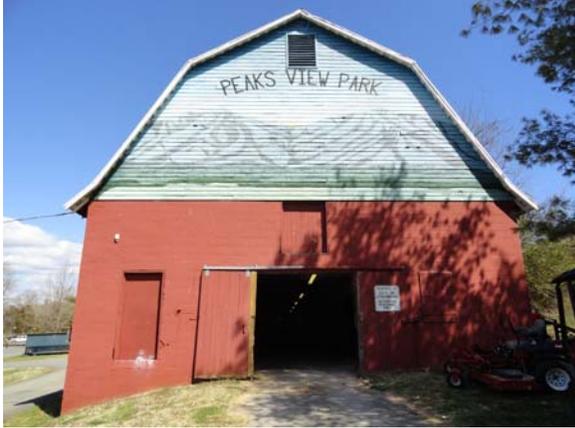


Photo 1.JPG



Photo 2.JPG



Photo 3.JPG



Photo 4.JPG



Photo 5.JPG



Photo 6.JPG

**Appendix Photos for
Task 8: Peaks View Park Barn**



Photo 7.JPG



Photo 8.JPG



Photo 9.JPG



Photo 10.JPG



Photo 11.JPG



Photo 12.JPG

**Appendix Photos for
Task 8: Peaks View Park Barn**



Photo 13.JPG



Photo 14.JPG

ROOF REPLACEMENT AND EXTERIOR REPAIRS

FOR

TASK 8: PEAKS VIEW PARK BARN

170 IVY CREEK LANE LYNCHBURG, VIRGINIA 24502

CITY BUILDING NUMBER PR814

ARCHITECT

CRADDOCK CUNNINGHAM
ARCHITECTURAL PARTNERS P.C.

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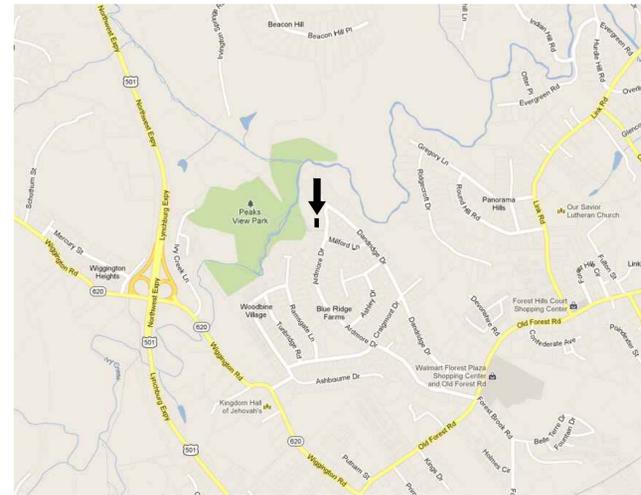
OWNER

CITY OF LYNCHBURG, VA
PUBLIC WORKS DEPARTMENT

BUILDINGS & GROUNDS DIVISION
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LYNCHBURG, VA 24501
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DRAWING LIST

CS1.1 Cover Sheet
A1.1 Roof Plan and Details



VICINITY MAP



SITE MAP



ABBREVIATIONS

AB ANCHOR BOLT	DET DETAIL(ED)	GRG GRATING	LLV LONG LEG VERTICAL	PLYND FLYWOOD	STC SOUND TRANSMISSION COEFFICIENT
ABV ABOVE	DIA DIAMETER	GNB GYPSUM WALLBOARD	LOC LOCATION	PNL6 PANELING	STD STANDARD
ACST ACOUSTIC	DIAG DIAGONAL, DIAGRAM	GYP GYPSUM	LONS LONGS	FR PAIR	STL STEEL
ACT ACOUSTICAL CEILING TILE	DN DIMENSION	H HEIGHT, HIGH	LPT LOW POINT	PSF POUNDS PER SQUARE FOOT	STO STORAGE
AF ABOVE FINISHED FLOOR	DK DECK	HB HOSE BIBB	MACH MACHINE	PSI POUNDS PER SQUARE INCH	STRUCT STRUCTURAL
ASGR AGGREGATE	DN DOWN	HD HARDWOOD	MT MATERIAL	PT PRESSURE TREATED, POINT, POINT OF TANG.	SUSP SUSPENDED
AHR ANCHOR	DOH DOOR OPENING HEIGHT	HC HANDICAPPED	MATL MATERIAL	PTN PARTITION	SYM SYMMETRICAL
AL ALUMINUM	DON DOOR OPENING WIDTH	HDR HARDWARE	MAX MAXIMUM	PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE	SYS SYSTEM
APC ARCHITECTURAL PRECAST	DP DAMPROOFING	HWD HARDWOOD	MCT MARMOLEUM COMPOSITE TILE	QT QUARRY TILE	TEL TELEPHONE
APPROX APPROXIMATE	DR DOOR	HM HOLLOW METAL	MDF MEDIUM DENSITY FIBERBOARD	R RADIUS, REACTION, RISER, RESISTANCE	T&G TONGUE AND GROOVE
ARCH ARCHITECTURAL	DS DOWNSPOUT	HMD HOLLOW METAL DOOR	MECH MECHANICAL	RA RETURN AIR	THK THICK(NESS)
AVG AVERAGE	DWG DRAWING	HMF HOLLOW METAL FRAME	MEZZ MEZZANINE	RAF RESILIENT ATHLETIC FLOORING	THR THRESHOLD
BD BOARD	EA EACH	HOR HORIZONTAL	MFR MANUFACTURER	RCP REFLECTED CEILING PLAN	TOS TOP OF STEEL
BET BETWEEN	EIFS EXTERIOR INSULATION FINISH SYSTEM	HPT HIGH POINT	MIN MINIMUM	RCPT RECEPTACLE(S)	TOT TOTAL
BLDG BUILDING	EJ EXPANSION JOINT	HR HANDRAIL	MISC MISCELLANEOUS	RD ROOF DRAIN	TRD TREAD
BLK BLOCKING	EL ELEVATION	HT HEIGHT	NO NO	REF REFERENCE	TRTP TREATED
BM BEAM	ELEC ELECTRIC(AL)	HVAC HEATING, VENTILATING & AIR CONDITIONING	MOH MASONRY OPENING HEIGHT	REINF REINFORCE(MENT) (ING)	T*STAT THERMOSTAT
BOT BOTTOM	ELEV ELEVATOR, ELEVATION	HW HOT WATER	MOW MASONRY OPENING WIDTH	REQD REQUIRED	TYP TYPICAL
BRG BEARING	ENCL ENCLOSE(URE)	ID INSIDE DIAMETER	NT NUT	REQMT REQUIREMENT(S)	UON UNLESS OTHERWISE NOTED
BUR BUILT-UP ROOF(ING)	EQ EQUAL	IN INCH	MTL METAL	RESIL RESILIENT	UTIL UTILITY
C/C CENTER TO CENTER	EGPT EQUIPMENT	INCL INCLUSIVE	MUL MULLION	RET RETURN	VCT VINYL COMPOSITION TILE
CIP CAST-IN-PLACE, CAST IRON PIPE	ENC ELECTRIC WATER COOLER	INSTL INSTALL(ED)	MMP MEMBRANE WATERPROOFING	REV REVERSE ACTING, REVISED, REVISION	VENT VENTILATE
CJ CONTROL JOINT	EXH EXHAUST	INSUL INSULATE(ED) (ING) (ION)	N NORTH	RF RETURN FAN, ROOF	VERT VERTICAL
CL CENTER LINE	EXIST EXISTING	INT INTERIOR	NIC NOT IN CONTRACT	RG RETURN GRILLE	VEST VESTIBULE
CFG COLD FORMED STEEL	EXP EXPOSED	INTMD INTERMEDIATE	NO NUMBER	RM ROOM	VIF VERIFY IN FIELD
CFMF COLD FORMED METAL FRAMING	EXPN EXPANSION	ISOL ISOLATION	NOM NOMINAL	RO ROUGH OPENING	WR VENEER
CLG CEILING	EXT EXTERIOR	JAN JANITOR	NST NONSLIP TREAD	RJ ROLL UP	VTR VENT THRU ROOF
CLR CLEAR	F4M FLASHING & NEEPS	JST JOIST	NTS NOT TO SCALE	S SOLID, SOUTH, SWITCH	VWG VINYL WALL COVERING
CMU CONCRETE MASONRY UNIT	FD FLOOR DRAIN	JT JOINT(S), JOYER TRANSMITTER	OAH OVERALL HEIGHT	SA STATUS ALARM, SUPPLY AIR	WC WATER CLOSET, WATER COLUMN
COL COLUMN	FCN FOUNDATION	KCP KNOCKOUT PANEL	OC ON CENTER	SCHD SCHEDULE	WD WINDOW
COMP COMPOSITE	F/F FACE TO FACE	L LENGTH, LINE, LONG	OD OUTSIDE DIAMETER	SECT SECTION	W/O WITHOUT
CONC CONCRETE, CONCENTRATED	FIN FINISH(ED)	LAB LABORATORY	OPC1 OWNER FURNISHED CONTRACTOR INSTALLED	SF SQUARE FEET (FOOT)	WH WINDOW OPENING HEIGHT
CONN CONNECT(ED), CONNECTION	FL FLOOR	LAM LAMINATE	OPF1 OWNER FURNISHED OWNER INSTALLED	SG SUPPLY GRILLE	WID WINDOW OPENING WIDTH
CONSTR CONSTRUCTION	FRFP FIBERGLASS REINFORCED POLYESTER	LAV LAVATORY	OFF OFFICE	SH SHEET	WP WEATHERPROOF, WORKING POINT
CONT CONTINUATION, CONTINUOUS, CONTROL	FT FOOT(FEET)	LB ROUND	OFF OVERHEAD	SHF STRUCTURAL GLAZED FACING UNITS	WRKB WATER RESISTANT GYPSUM WALLBOARD
CONTR CONTRACT, CONTRACTOR	FRT FIRE RETARDANT TREATED	LF LINEAR FOOT	OPN OPENING	SHS SHEET	WV WATER RESISTANT GYPSUM WALLBOARD
COORD COORDINATE	FTG FOOTING	L6 LENGTH, LONG	OPP OPPOSITE	SIM SIMILAR	WF WELDED WIRE FABRIC
CORR CORRIDOR, CORRUGATED	FUT FUTURE	LIN LINEAR	O/O OUT TO OUT	SLP SLOPE	WV WELDED WIRE FABRIC
CT CERAMIC TILE	G GAGE	LL LIVE LOAD	PI PERIMETER INSULATION	SNT SEALANT	WV WELDED WIRE FABRIC
CTNG COATING	GAL GALLON	LLH LONG LEG HORIZONTAL	PL PLATE	SPEC SPECIFICATION(S)	WV WELDED WIRE FABRIC
CTR CENTER	GALV GALVANIZE(D)	GL GLASS	PL PROPERTY LINE	SPEI SPRAY POLYURETHANE FOAM INSULATION	WV WELDED WIRE FABRIC
CTSCK COUNTERSUNK	GLASS GLASS		PLASTIC LAMINATE	SPL SINGLE PLY MEMBRANE	WV WELDED WIRE FABRIC
DBL DOUBLE			PLAS PLASTER	SQ SQUARE	WV WELDED WIRE FABRIC
DEPT DEPARTMENT				ST STAINLESS STEEL	

SYMBOL LEGEND

	PRE CAST ARCHITECTURAL CONCRETE "APC"		FINISH WOOD
	GYPSUM WALLBOARD		PLYWOOD
	BRICK OR MASONRY VENEER		CONCRETE
	CONCRETE MASONRY UNITS "CMU"		CRUSHED STONE BASE MATERIAL
	RIGID INSULATION		EARTH
	BATT INSULATION		STEEL
	COLUMN TAG		ELEV. NO. SYMBOL REFERENCE
	ELEVATION MARKER		DETAIL NO. SYMBOL REFERENCE
	WALL TYPE TAG		SECTION NO. SYMBOL REFERENCE
	GENERAL NOTE TAG		SECTION NO. SYMBOL REFERENCE
	LOUVER TAG		SECTION NO. SYMBOL REFERENCE
	WINDOW TAG		SECTION NO. SYMBOL REFERENCE
	INTERIOR ELEVATION MARKER		SECTION NO. SYMBOL REFERENCE
	FINISH SCHEDULE TAG		SECTION NO. SYMBOL REFERENCE

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CITY OF LYNCHBURG
TASK 8: PEAKS VIEW PARK BARN
PROJECT NO: 13102
LYNCHBURG, VA

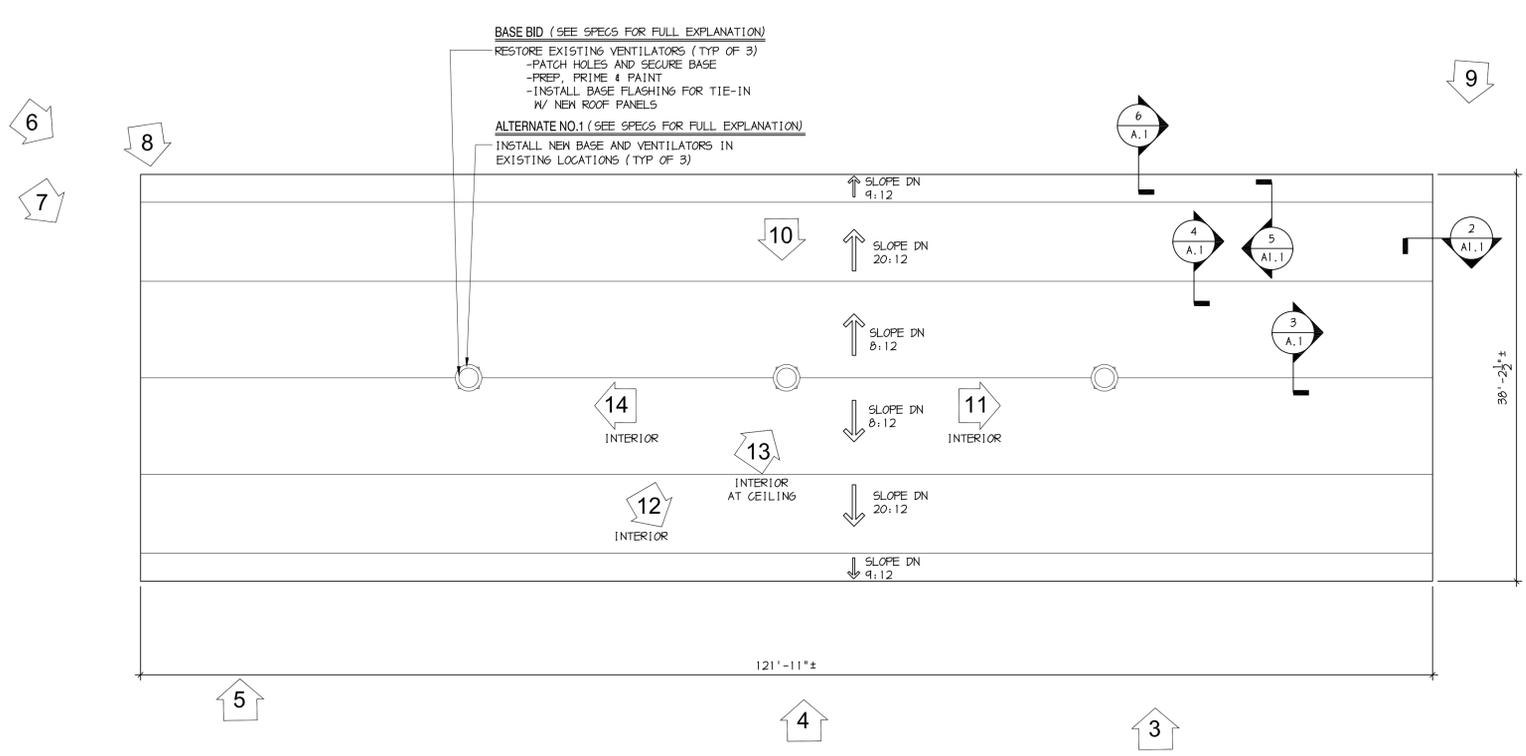


DESIGNED: MWS
DRAWN: TCC
CHECKED: MWS
DATE: 2013-05-21
REVISIONS:

COVER SHEET

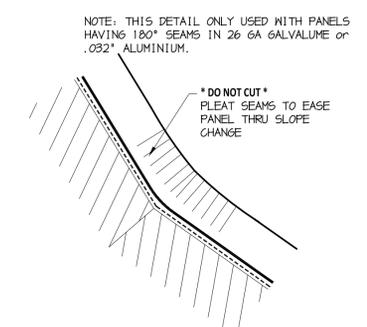
CS1.1

E:\Municipal\City of Lynchburg\COB_Road\Projects_Task 1 to 8 - 13102\Task 8 Peaks View Barn\Drawings\Peaks View Barn\Sheet\CS1.1 Cover Sheet.dwg, CS1.1 Cover Sheet, 5/21/2013 4:25:26 PM

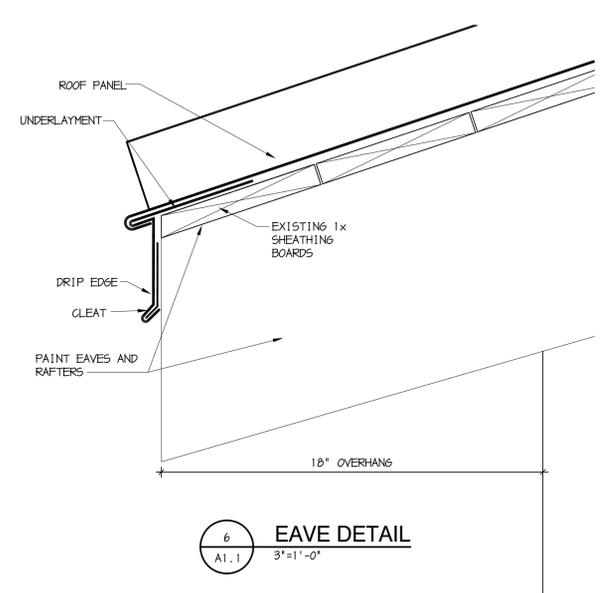


1 ROOF PLAN BLDG. NO. PR814
 1/8"=1'-0"
 NORTH

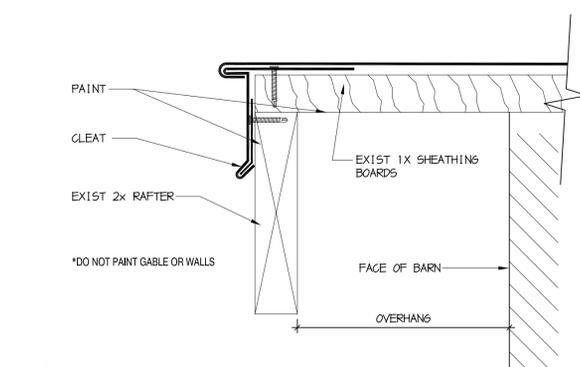
GENERAL NOTE
 1. ALL DIMENSIONS ARE TAKEN LEVEL, NOT ON SLOPE OF ROOF. CONTRACTOR TO BE RESPONSIBLE FOR ALL QUANTITIES OF MATERIALS.



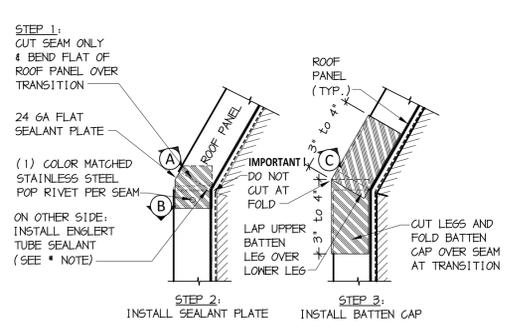
5 DETAIL SECTION
 A1.1 3"=1'-0"



6 EAVE DETAIL
 A1.1 3"=1'-0"

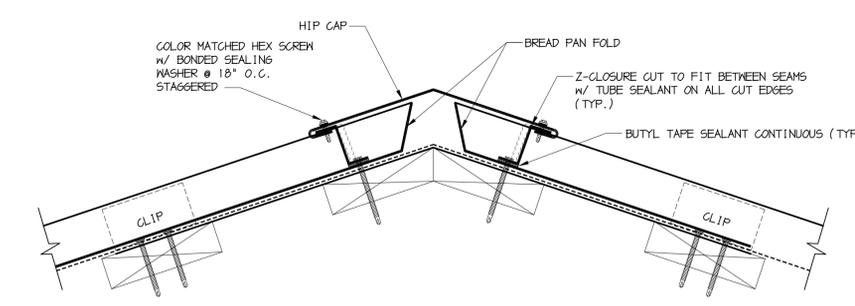


2 SECTION AT RAKE
 A1.1 3"=1'-0"

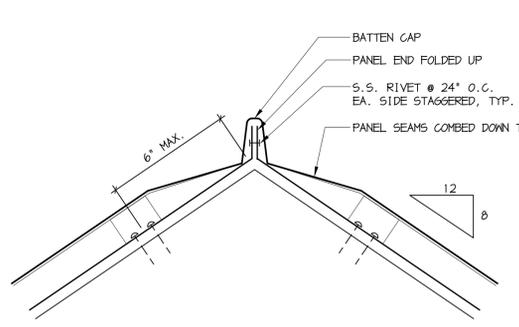


4 DETAIL SECTION
 A1.1 3"=1'-0"

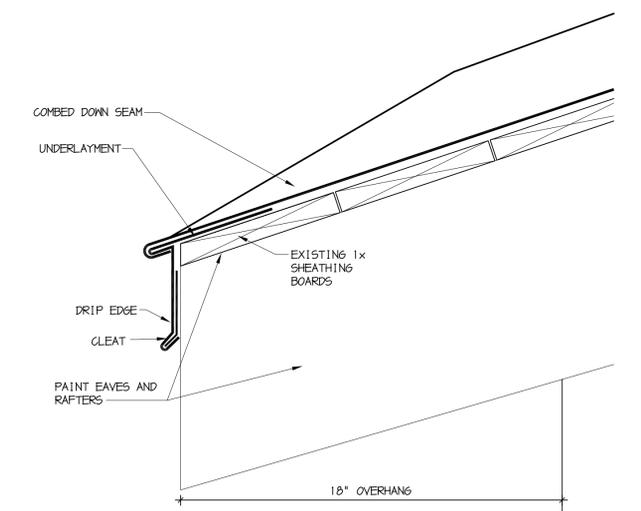
* NOTE: POSITION TUBE SEALANT OVER TOP OF CUT EDGE OF VERTICAL RIBS ON LOWER PANELS USING SEALANT PLATE AS BACKER.
 FINGER SMOOTH TUBE SEALANT SO THAT WATER FLOW IS PREVENTED FROM ENTERING CUT EDGES OF PANEL RIBS AND WATER IS DIVERTED QUICKLY OFF ROOF.



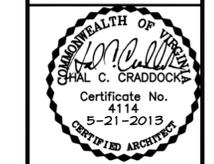
3 RIDGE SECTION
 A1.1 3"=1'-0"



3A RIDGE SECTION - ALTERNATE NO.2
 A1.1 3"=1'-0"



6A EAVE DETAIL - ALTERNATE NO.2
 A1.1 3"=1'-0"



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DESIGNED: MWS
 DRAWN: TCC
 CHECKED: MWS
 DATE: 2013-05-21
 REVISIONS:

ROOF PLAN AND DETAILS

A1.1