



DATE: August 3, 2018
FROM: REI Engineers
TO: Bidders of Record
REFERENCE: **Addendum No. 01**
Henderson County, North Carolina
Co-Operative Extension Roof Replacement
REI Project No. 018CLT-070

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 15, 2018 as noted below.

This addendum consists of 2 pages, the Pre-bid Meeting Minutes and the attached revised Specification Sections 07 62 00 Sheet Metal Flashing and Trim.

CHANGES TO BIDDING REQUIREMENTS:

1. None

CHANGES TO SPECIFICATIONS:

2. Add Section 07 62 00 Sheet Metal Flashing and Trim.
3. Revised Section 00 41 13 Bid Form added line for metal roof manufacturer name.

CHANGES TO CONTRACT DRAWINGS:

4. None

QUESTIONS/CLARIFICATIONS

5. Q. Will the county be responsible for trimming trees and shrubs to allow for the new roof Installation?
A. Yes
6. Q. Is the existing door frame to be removed completely? If so, is there a requirement to correct cosmetic damage to masonry from removal?
A. Yes, the door frame will need to be removed and the brick will need to be repaired if damaged.
7. Q. Are we working to the existing lintel and changing only the door height?
A. Yes.
8. Q. Will the height if the penthouse wall flashing have to be raised to match the new height of the door threshold?

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A. Yes.

9. Q. Will the louvers, to each side of the penthouse door, have to be raised or modified?

A. No

ALL OTHER REQUIREMENTS AND PROVISIONS OF THE BIDDING DOCUMENTS REMAIN UNCHANGED. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM. FAILURE TO DO SO MAY BE CAUSE FOR REJECTION OF THE BID.

END OF ADDENDUM



SECTION 07 62 00

SHEET METAL FLASHING AND TRIM (Addendum 01)

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Fabrication and installation of new sheet metal flashings and trim to provide a permanently watertight condition.

1.02 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Specification Sections, apply to this Section, including but not limited to:
 - 1. Rough Carpentry Section 06 10 00
 - 2. Metal Roof Panels Section 07 41 13
 - 3. Thermoplastic Single Ply Roofing Section 07 54 00

1.03 REFERENCES

- A. Refer to the following references for specification compliance:
 - 1. 2012 North Carolina Building Code
 - 2. ASTM International
 - 3. National Roofing Contractors Association (NRCA)
 - 4. Sheet Metal and Air Conditioning Contractors National Association (SMACNA)
 - a. Architectural Sheet Metal Manual, Seventh Edition – January, 2012
 - 5. ANSI/SPRI ES-1

1.04 SUBMITTALS

- A. Refer to Section 01 33 00-Product Submittals for Submittals.
- B. Manufacturer's Product Data Sheets for all materials specified certifying material complies with all specified requirements.
- C. Pre-finished sheet metal and sealant color chart.
- D. Shop Drawings for any transitions and/or terminations not depicted in Contract Drawings.

1.05 QUALITY ASSURANCE

- A. Installation shall comply with the Contract Drawings. References to figures are from SMACNA Architectural Sheet Metal Manual, Seventh Edition – January, 2012.
- B. Ensure work is free of leaks in all weather conditions.
- C. Fabricate metal edge (where no gutter is present) and coping in accordance with ANSI/SPRI ES-1 requirements.

- D. Workmanship shall be first-class in every respect. The sheet metal work shall be assembled and secured in accordance with these specifications, the manufacturer's requirements and referenced standards.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver materials in the manufacturer's original sealed and labeled containers and in quantities required to allow continuity of application.
- B. Storage: Store materials within areas designated or approved by the Owner. Ensure materials remain dry, covered and not in contact with the ground.
- C. Handling: Handle material in such manner as to preclude damage and contamination with moisture or foreign matter.

1.07 PROJECT CONDITIONS

- A. Environmental: Protect building and its components from the elements at all times during the project.
- B. Coordination and Scheduling: Coordinate all phases of work to allow continuity of work without delays.

1.08 WARRANTY

- A. Contractor to provide the pre-finished sheet metal manufacturer's thirty (30) year finish warranty from the date of substantial completion.
- B. Provide certification of air-dried kynar paint or powder coating for specified materials.

PART 2 PRODUCTS

2.01 PRE-FINISHED STEEL

- A. Shall be same as specified in Section 07 41 13 and provided be metal roof panel manufacturer.
 - 1. 24 gauge
 - a. Slip Flashing
 - b. Receiver Flashing
 - c. Counterflashing
 - d. Fascia Cover
 - e. Gutter
 - f. Downspouts
 - g. Threshold Cover
 - h. Eave Closure
 - i. High Eave Flashing
 - j. Rake Flashing

2.02 GALVALUME

- A. AZ50 Galvalume coated steel, meeting ASTM A792-83-AZ50, mill finish. Where not concealed by pre-finished steel, powder coat to match pre-finished steel color; form components prior to coating.
 - 1. 22 gauge:
 - a. Continuous Cleat
 - 2. 16 gauge:
 - a. Gutter Top Hanger
 - b. Downspout Hangers (1" width)
 - c. Gutter Spacer (standing seam metal roof)
 - 3. 12 gauge:
 - a. Gutter Bottom Hanger
 - b. Gutter Bracket (low slope roof)

2.03 POLYMER CLAD METAL (PVC)

- A. Polymer Clad Metal – Heat-weldable, 24 gauge, AISI G90 galvanized steel sheet with a 20-mil unsupported thermoplastic membrane coating to match the flashing membrane composition laminated on one side. Polymer-Clad metal shall be manufactured by, and included in the warranty of, the single-ply membrane Manufacturer. Color shall be selected by Owner.
 - 1. Metal Edge
 - 2. Base Flashing Closure

2.04 FASTENERS

- A. Roofing Nails: 11 or 12 gauge stainless steel ring shank roofing nails with diamond point, minimum 3/8" diameter head and length as required to penetrate substrate a minimum of 1-1/4".
- B. Screws:
 - 1. Sheet metal to wood attachment (exposed): #12 stainless steel, 5/16 HWH with length to penetrate substrate a minimum of 1-1/2". Provide with bonded EPDM washer or washer specified below.
 - 2. Sheet metal to wood attachment (concealed): #10 stainless steel, low profile pancake head with length to penetrate substrate a minimum of 1-1/2".
 - 3. Sheet metal to light gauge steel attachment: #14-13 DP1 stainless steel low profile pancake head of length as required for three threads to penetrate metal substrate or min. 1" penetration through wood substrates.
 - 4. Sheet metal to sheet metal attachment (exposed): 1/4" x 7/8" carbon steel, self-drilling point, self-tapping, zinc alloy hex head screws with bonded EPDM tubular washer under head of fastener; screw heads to match color of wall panel by means of factory applied coating.
- C. Concrete and Masonry Anchors: 1/4" diameter metal based expansion anchor with stainless steel pin of length to penetrate substrate a minimum of 1-1/2".

- D. Washers: Shall be stainless steel with neoprene gasket backing. Shall be 9/16" diameter for use with #12 screws and 5/8" diameter for use with 1/4" diameter concrete and masonry anchors.
- E. Rivets: #44 stainless steel rivets with stainless steel mandrel. Length of rivet to properly fasten particular sheet metal components. Rivets shall be factory painted to match adjacent sheet metal.

2.05 RELATED MATERIALS

- A. Silicone Sealant: Shall be a one-component, non-sag, neutral cure, low-modulus, UV resistant, high performance silicone sealant. Shall meet ASTM C 920, Type S, Grade NS, Class 100, Use M, G, A or O. Color to match adjacent materials.
- B. Sealant Tape: Minimum 1/2" wide non-skinning butyl sealant tape.
- C. Butyl Sealant: Shall be gun grade, non-skinning, non-hardening, flexible blend of butyl rubber and polyisobutylene sealant.
- D. Aluminum Tape: Pressure-sensitive, 2" wide aluminum tape used as a separation layer between small areas of asphalt contamination and the membrane and as bond breaker under the metal edge cover plates.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Coordinate with other work for correct sequencing of items which make up the entire system.
- B. Ensure substrates are installed, secured and modified to accommodate sheet metal flashings.
- C. Deficiencies associated with the sheet metal substrates shall be reported to Engineer before beginning sheet metal work. All such deficiencies shall be corrected before installing sheet metal flashings.

3.02 INSTALLATION

- A. General:
 1. All joints to be locked and sealed or soldered.
 2. Provide for thermal movement (expansion and contraction) of all exposed sheet metal.
 3. Where dissimilar metals contact, galvanic action shall be prevented by means of heavy coat of asphalt paint.
 4. All metal flanges shall be installed on top of membrane and adhered as indicated in detail drawings. Metal flanges connected to the roof shall be installed per membrane manufacturer's specifications and the requirements herein.
 5. Various sheet metal sections shall be uniform with corners, joints and angles mitered, sealed and secured.
 6. Exposed edges shall be returned (hemmed); both for strength and appearance, and sheet metal shall be fitted closely and neatly.

7. Provide cleats or stiffeners and other reinforcements to make all sections rigid and substantial.
8. Sheet metal shall be fabricated, supported, cleated, fastened and joined to prevent warping, "oil canning", and buckling.
9. All sheet metal details shall provide for redundancy including but not limited to sheet metal underlayment and/or sealants. This secondary protection shall be installed, sealed and lapped to ensure a redundant layer of protection will shed moisture infiltration in the sheet metal fails.

B. Fasteners: Shall be size and type required.

1. All fasteners to be rust resistant and compatible with materials to be joined.
2. All exposed fasteners shall be stainless steel screws with washers fastened through 5/16" predrilled oversized holes.
3. All exposed fasteners into concrete or masonry shall be metal based expansion anchor with stainless steel pin with washers fastened through 11/32" predrilled oversized holes.
4. All exposed fasteners shall have factory painted heads to match the sheet metal color.
5. Exposed horizontal surface fasteners are not acceptable.

C. Slip Flashing for Curbs

1. Fabricate slip flashing at curbs as shown in detail drawings in 10' lengths.
2. Slip flashing shall extend a minimum of 2 inches below base flashing termination and shall fit tightly against curb.
3. Secure slip flashing 12" on center of a minimum of two fasteners per side of the curb.
4. Notch and lap ends of adjoining sections not less than 4"; apply sealant tape between sections.
5. Lap miters at corners a minimum of 1 inch and apply sealant between laps. Rivet at 2" on center.

D. Reglet Mounted Two-Piece Receiver and Counterflashing

1. Fabricate receiver and counterflashing as shown in detail drawings in 10' lengths.
2. Install receiver flashing into saw-cut reglet and surface mount at 12" on center.
3. Install sealant properly tooled to ensure adhesion and slope to shed water in saw-cut reglet.
4. Install counterflashing as indicated in detail drawings and secure to receiver flashing 12 inches on center. Stagger receiver anchors/wedges with counterflashing fasteners.
5. Counterflashing shall extend a minimum of 1.5 inches below base flashing termination.
6. Notch and lap ends of adjoining sheet metal sections not less than 4"; apply sealant tape between sections.
7. Lap miters at corners a minimum of 1 inch and apply sealant between laps. Rivet at 2" on center.

E. Fascia Cover/Eave Closure

1. Provide fascia cover secured to wood blocking 12" on center where indicated in detail drawings.

2. Notch and lap ends of adjoining fascia cover sheet metal sections not less than 4"; apply sealant tape or two beads of butyl sealant between sections.

F. Rake Edge/High Eave

1. Fabricate as shown in detail drawings in 10' lengths. Refer to SMACNA Manual Figure 2-1.
2. Install continuous cleat as indicated in detail drawings fastened to substrate 6" on center. Locate fasteners no greater than 2" from the bottom hem.
3. Lock rake/eave onto continuous cleat and lock onto clip assembly/zee closure and secure at 12" on center.
4. Notch and lap ends of adjoining fascia cover sheet metal sections not less than 4"; apply sealant between sections.
5. Hand tong all of metal edge onto continuous cleat.

G. Metal Edge (Thermoplastic)

1. Fabricate metal edge as shown in detail drawings in 10' lengths. Refer to SMACNA Architectural Sheet Metal Manual Figure 2-1 except for continuous cleat dimensions which shall be as shown in Contract Drawings.
 - a. Fabricate without vertical gravel stop at drainage edges and 3/4 inch vertical gravel stop at non-drainage edges.
2. Terminate membrane at roof edge and hot-air weld flashing membrane strip to extend down the outside vertical face over the wall.
3. Provide sealant tape at base of flashing membrane on outside of wall to prevent moisture infiltration.
4. Install a continuous cleat over fascia cover as indicated in detail drawings fastened to substrate 6" on center. Locate fasteners no greater than 2" from the bottom hem.
5. Lock metal edge onto continuous cleat and secure flange of metal edge to wood blocking 3" on center staggered and not within 1/2" from inside edge and 3/4" from outside edge.
6. Strip flange of metal edge with hot-air welded stripping membrane as specified in the Contract Drawings.
7. Hand tong all of metal edge onto continuous cleat.
8. Metal Edge Joints:
 - a. Leave a 1/4" opening between metal edge sections. Install two roofing nails in the end of the flange, and one roofing nail in the end of the vertical face of each metal edge section.
 - b. Center aluminum tape over entire joint opening (flange and face).
 - c. Hot-air weld 4" wide strip of stripping membrane over entire joint.
 - d. Strip in flange of metal edge as described above.
 - e. Center 6" wide cover plate over joint locking onto notched drip edges of metal edge sections. Refer to SMACNA Architectural Sheet Metal Manual Figure 2-5A, and Figure 2-5, Detail 1.
 - f. Strip flange of cover plate with hot-air welded flashing membrane. Flashing membrane shall extend 2" beyond the cover plate flange on 3 interior sides.

H. Gutters

1. Fabricate to profile shown in Contract Drawings.
2. Gutters shall be continuous, roll formed from coil stock on site or formed in 10' lengths.
 - a. Joints in gutters must be lapped a minimum of 1 inch, riveted 1 inch on center. Install sealant tape between gutter sections and sealant at exposed inside edge and on rivets. Lap joints in the direction of water flow.
3. Provide butt type expansion joints in gutters at spacing appropriate for the type material used to fabricate gutters. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-7. Maximum length of gutters shall be 50'.
4. Provide downspout outlet tubes in downspout locations. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-33B and Detail 1. Gutter outlet tubes to be tabbed a minimum of 1", set in a full bead of sealant and secured to gutter with a minimum of two rivets per tab.
5. Attachment:
 - a. Low Slope: Provide primed and painted brackets and spacers as shown in detail drawings. Evenly stagger the placement of brackets and spacers. Spacing shall be 36" on center for both brackets and spacers. Spacers shall be riveted to both sides of the gutter only. Brackets shall be secured with two stainless steel fasteners to the wood blocking.
 - b. Standing Seam Metal: Provide hangers as shown in detail drawings. Spacing shall be 32" on center or every other panel rib on standing seam metal roofs. Provide hangers as shown in detail drawings. Spacing shall be 32" on center or every other panel rib on standing seam metal roofs and 24" on low slope roofs. Provide a minimum of two fasteners per hanger to secure hanger to standing seam and one fastener to secure hanger to gutter. Provide two fasteners to secure each lower hanger to gutter.
6. Leading edge of gutter to be a minimum of 1" below the back edge as shown in detail drawing for low slope roof area.
7. Hang gutters level.
8. Metal Edge: Refer to Metal Edge installation indicated above.

I. Downspouts:

1. Fabricate downspouts in 10' lengths. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-32B.
2. Downspouts shall tie into existing below grade storm drainage system or if no below grade system is applicable downspouts shall kick-out above grade onto concrete splash blocks. Fill in soil to provide slope away from building.
3. Provide square to round transition to tie into existing below grade system.
4. Each downspout shall be secured to the structure with two-piece hangers spaced no more than 8' apart with a minimum of two hangers per downspout with a hanger located within 12" from bottom. Hangers shall be primed and painted to match downspouts. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-35H.
5. Downspouts are to be fashioned to run back to (at overhangs) and parallel to the facility walls.
6. Provide discharge elbow at the base of downspout where it kicks out onto splash pan or splash block.

J. Base Flashing Closure

1. Install new closures where base flashings abruptly end.
2. Completely solder or seal all joints to be watertight.
3. Install closures over membrane and under finish ply of base flashing.
4. Extend closures up under counterflashings or copings.
5. Install closures to completely seal ends of base flashings, membrane and cants as well as end joints of edge metal.

3.03 CLEANING AND PROTECTION

- A. All sheet metal work shall be thoroughly cleaned of all asphalt, flux, scrapes and dust.
- B. Scratches through the metal finish shall be replaced to the Owner's satisfaction.

END OF SECTION 07 62 00

SECTION 00 41 13

BID FORM (Addendum 01)

To: Mr. Thad Ninnemann
Project Manager
Henderson County Project Management
100 North King Street, Suite 206
Hendersonville, North Carolina 28792

Project: Henderson County
Cooperative Extension Roof Replacement
REI Project No. 018CLT-070

Date: _____

Contractor: _____

Address: _____ Phone: (____) _____

_____ Fax: (____) _____

Email: _____

NC License No.: _____ Classification: _____ Limitation: _____

The undersigned, as bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. The bidder further declares that he has examined the site of the work and the contract documents relative thereto dated June 15, 2018 as prepared by REI Engineers, Inc., and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed. The Bidder proposes and agrees if this proposal is accepted to contract with the Owner in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools apparatus, means of transportation and labor necessary to complete the construction of the project with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents, for the sum of:

BASE BID: _____ (\$ _____ .____)
(Words) (Figures)

ALLOWANCES:

Include in the Base Bid the \$5,000.00 Contingency Allowance specified in Section 01 21 00 of the Project Manual.

Include in the Base Bid the Quantity Allowances specified in Section 01 21 00 of the Project Manual.

- Repair 500 sq. ft. of Steel Deck with Coating \$ _____
- Repair 50 sq. ft. of Steel Deck with Steel Plates..... \$ _____
- Replace 100 sq. ft. of Damaged or Deteriorated Steel Deck \$ _____
- Replace 50 bd. ft. of Damaged or Deteriorated Wood Blocking \$ _____

UNIT PRICES:

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the scope of the work all in accordance with the contract documents.

- UP-1: Repair Steel Deck with Coating..... \$ _____/SF
- UP-2: Repair Steel Deck with Steel Plates..... \$ _____/SF
- UP-3: Replace Damaged or Deteriorated Steel Deck..... \$ _____/SF
- UP-4: Replace Damaged or Deteriorated Wood Blocking..... \$ _____ /BF

MANUFACTURERS:

Base bid shall utilize thermoplastic single ply roofing materials manufactured by _____.
(One manufacturer only)

Base bid shall utilize metal roofing materials manufactured by _____.
(One manufacturer only)

BID HOLDING TIME AND ACCEPTANCE:

The undersigned hereby agrees that this bid may not be revoked or withdrawn after the time set for the opening of bids, but shall remain open during the bid holding period.

SCHEDULE OF COMPLETION:

The undersigned understands that time is of the essence and agrees to the Contract Time and liquidated damages as indicated in AIA Document A201, General Conditions of the Contract for Construction and Supplementary Conditions apply to this Work. The undersigned hereby agrees to commence work on this project within thirty (30) days following receipt of an Executed Owner/Contractor Agreement. Date of commencement will be established in a Notice to Proceed issued to Contractor. All work to be accomplished under the Base Bid and all alternates accepted shall be within thirty (30) calendar days from the date of commencement. Applicable liquidated damages shall be stated in the Section 00 73 00-Supplementary Conditions.

ADDENDUM:

Addendum received and used in computing bid:

- Addendum No. 1 _____ Addendum No. 2 _____
- Addendum No. 3 _____ Addendum No. 4 _____

SUBCONTRACTORS:

If subcontractors are to be utilized, the General Contractor shall fill out all blanks on the list below. All subcontractors shall be listed. The general contractor shall identify work by the general, subcontractor or not applicable. Do not list suppliers. All blanks must be filled in. Failure to do so may result in bid being declared non-responsive. If there is more than one subcontractor per trade identified below, list all. If no subcontractors are to be utilized, indicate by signing at the appropriate place at the bottom of this page.

- Trade: _____ Company: _____
- Trade: _____ Company: _____
- Trade: _____ Company: _____
- Trade: _____ Company: _____
- Trade: _____ Company: _____
- Trade: _____ Company: _____

We do not plan to use subcontract forces: _____
Contractor Signature (sign if applicable)

ENCLOSURES:

- Bid Bond
- Minority, Woman, and Small Business Submittals:
 - Identification to Minority Business Participation and
 - Affidavit A or Affidavit B
- Roof Manufacturer's Acknowledgement Form (Section 00 62 33)

Respectfully submitted this _____ day of _____, _____.

Company: _____

Printed Name: _____

Signature: _____

Title: _____

_____ Carolina	
_____ County	
I, _____, a Notary Public for _____ County, _____ Carolina, do hereby certify that _____ personally appeared before me this day and acknowledged the due execution of the foregoing instrument.	
Witness my hand and official seal, this _____ day of _____, 20____.	
_____ Notary Public	(OFFICIAL SEAL)
My commission expires _____, 20____.	

END OF SECTION 00 41 13

PROJECT:	Co-Operative Extension Office	REI PROJECT NO:	018CLT-070
OWNER:	Henderson County	MEETING DATE:	07-24-2018
ENGINEER:	REI Engineers	MEETING TIME:	10:30 AM
		MTG. LOCATION:	100 N. King Street Hendersonville, NC

Participants: Refer to the attached sign-in sheet.

This confirms and records REI's interpretation of the discussions which occurred, and our understanding reached during this meeting unless notified in writing within three days of date of minutes:

1. Mr. Urbaniuk opened the meeting and a sign-in sheet was circulated.
2. A brief introduction of the project was provided.

Section 00 11 13-Advertisement for Bids

3. Bids shall be received by Owner until **10:30 AM** on **August 7, 2018** at **HC Government Offices, First Floor Meeting Room, 100 North King Street, Hendersonville, NC 28792**. The bids shall be publicly opened and read.
4. Bidder attendance at this pre-bid meeting was mandatory.

Section 00 21 13-Instructions to Bidders

5. Bid Security will be required and shall be submitted with Contractor's bid.
6. Performance and Payment Bonds will be required.
7. Roof system manufacturer shall be listed on the bid form and the RMA Form shall be submitted with Contractor's bid.

Section 00 41 13-Bid Form

8. The alternates listed for this project are as follows:
 - a. **None**
9. One manufacturer for the roof system shall be listed on the Bid Form.
10. A **\$5,000.00** contingency allowance shall be contained in the Base Bid.
11. The following Quantity Allowances shall be contained in the Base Bid.
 - a. Repair 500 SF of steel deck with coating.
 - b. Repair 50 SF of steel deck with steel plates.
 - c. Replace 100 SF of damaged or deteriorated steel deck.
 - d. Replace 50 BF of damaged or deteriorated wood blocking
12. Unit prices shall be provided and utilized to determine the applicable quantity allowances.
13. Schedule of Completion:
 - a. A written Notice to Proceed is expected to be given to the successful Contractor on or about August 10, 2018.
 - b. The construction duration (including any alternates accepted) for this project shall be **30** calendar days before Liquid Damages shall be incurred of \$500.00 per calendar day.
 - c. Anticipated Start Date is on or about September 10, 2018.
 - d. Completion Date shall be on or before November 22, 2018.

14. Provide all bid enclosures listed on the Bid Form including the following:

- a. Bid Bond
- b. MW/BE Identification of Minority Business Participation
- c. MW/BE Form(s) A or Form B
- d. Roof Manufacturer's Acknowledgement Form

Section 00 43 40-MWSBE Participation

15. Bidders shall follow the Owner's MWSBE Program and shall submit the required forms contained in the project manual with their bid.

Section 01 11 00-Summary of Work

16. A brief outline of the scope of work was reviewed.

- a. **Roof Area A (Approximately 5,574 square feet):** Remove and dispose of the existing roof system including flashings and sheet metal down to the existing steel deck; reseal the steel deck to structural framing members; provide 1.5" roof insulation; mechanically attach tapered insulation system; adhere gypsum overlayment insulation in foam adhesive; fully adhere felt-back, thermoplastic, single ply membrane along with flashings and accessories and provide sheet metal flashings and trim to provide a complete, watertight, 20-year warrantable roof assembly.
- b. **Roof Area B (Approximately 1,248 square feet):** Prepare existing steep slope built-up roof and provide retrofit framing and standing seam metal roof including sheet metal flashings, gutters, downspouts, and accessories to provide a complete, weathertight, 20-year warrantable metal roof assembly.
 - i. Contractor shall be responsible to ensure retrofit framing and fasteners penetrating built-up asphalt roof system are installed in a watertight condition.
 - ii. Fully fill cavity between roof membrane and underside of metal roof panels with insulation; provide thermal blocks along top of purlins.
 - iii. Provide snow guard system along gutter edge of Area B.
- c. Replace exterior roof access door.
- d. Asbestos Containing Roofing Materials (ACRM):
 - i. No Asbestos Containing Roofing Materials (ACRM) have been detected in test samples of Roof Areas A or B.
 - ii. It is the intention of these specifications that no asbestos bearing materials be incorporated into the work.

Section 01 14 00-Work Restrictions

17. Works hours shall generally be performed during normal business hours. Should the Contractor elect to work on Saturday or Sunday, notification to the Owner and Engineer at least 48 hours in advance shall be required.

Section 01 77 00-Closeout Procedures

18. A five-year contractor's warranty, asbestos free warranty and a twenty-year roofing manufacturer's warranty shall be required.

Technical Specifications/Contract Drawings

19. Downspouts from Area B shall be connected to existing underground corrugated pipe. The contractor shall provide a suitable adapter for the transition. All other downspouts shall discharge a grade and a concrete splash block shall be provided.

20. The antenna and pitch pan on Area B are abandoned and shall be removed by the Contractor. The Contractor shall repair the existing penetration before installation of the new roof assembly.

Miscellaneous

21. Staging and Material storage areas are as follows:



- a. Staging and material storage areas shall be limited to the grass area on the Southwest side of the building and the South side of the parking lot. See Figure 1.
 - b. Access to the roof shall be via a Contractor provided extension ladder that shall be taken down every night and secured.
 - c. The Contractor will provide a portable toilet facility.
22. Bidders wishing to make additional site visits shall contact REI to coordinate an appointment for additional visits. Please allow 24 hours of advance notice to schedule the site visit.
23. Bidders wishing to make additional site visits shall provide an extension ladder for access to the roof and must check in at the office immediately upon arrival to the facility.
24. All bidding or specification related questions are to be directed to REI Engineers in writing (email) by 5:00 PM on **Wednesday, August 1, 2018** in an effort to keep addenda from being issued after **Friday, August 3, 2018**.

PREPARED BY:

George S. Urbaniuk

07/30/2018

George S. Urbaniuk, Project Manager, RRO, CDT Date

Attachments: Sign-In Sheet, Figure-1 Staging Areas

Copies: Attendees _____ _____ _____



Figure 1-Staging Areas

PRE-BID MEETING SIGN-IN
OWNER: HENDERSON COUNTY
PROJECT: 018CLT-070 CO-OP EXTENSION ROOF REPLACEMENT

Name	Company	Phone No.	Email
George S. Urbaniuk	REI Engineers	704-596-0331	gurbaniuk@reiengineers.com
Thad Ninnemann	Henderson County	828-577-1501	tninnemann@hendersoncountync.org
MARK Holmes	John Sons Roofing	803.504.3461	Mholmes@JohnSonsRoofinginc.com
John Austin	Rike Rfg	704 776 0380	john@Rikerroofing.com
Harry Green	Davco	704 817 9780	Hgreen@DavcoRoofing.com
Jason Darrin	BAR Roofing	336.391.1670	JDARRIN9@yahoo.com
ANDY BUCKLE	ROOFERS SUPPLY	704-970-4010	ANDY@ROOFERSUPPLYINC.COM
Brian Bartholomew	JTBC	828 808 7712	brian@div7.org
MATTHEW McFETRIDGE	BREN HOU ROOFING	770 558 7385	matb@bhroof.com
Chris Gore	McK Roofing	704 329 0095	chr.g@mcclanburgroofing.com
LUKE WHITE	INTERSTATE	704-430-8239	LW@INTERSTATEROOFINGCO.COM
VINCE TOLATTA	ROOFING SYSTEMS	919-779-2055	Vincenttolatta@bonitz.com
Trent Morrow	Roofing Systems	919-609-5949	trentmorrow@bonitz.com



PRE-BID MEETING SIGN-IN
OWNER: HENDERSON COUNTY
PROJECT: 018CLT-070 CO-OP EXTENSION ROOF REPLACEMENT

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