

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace



407 N. Sycamore Street

Lumberton, NC 28358

(910) 671-8200

www.lumbertonhousing.org

INVITATION FOR BID

Roof Replacement

Weaver Court, Rozier Homes, and Eastwood Terrace

HACL-2020-024

Issue Date: **November 10, 2020**

Pre-Proposal Meeting/Site Tour: **Tuesday, November 24, 2020 at 2:00pm**

Deadline for Questions: **Tuesday, December 1, 2020 at 12:00pm**

Closing Date and Time: **Tuesday, December 15, 2020 at 2:00pm**

This communication serves to apprise you and your firm of the above-mentioned Invitation for Bid (IFB) for the installation of Helical Piers. We invite you and your firm to respond to this IFB. Please review carefully all sections of the IFB, paying particular attention to the closing date and time listed above and within the body of the IFB.

All Inquiries for Information Should Be Directed To:

Barbie J Hunt

Capital Funds & Special Projects

(910) 671-8213

Bhunt@hacl014.com

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

INVITATION FOR BID - HACL-2020-024

Roof Replacement at Rozier Homes, Eastwood Terrace & Weaver Court

Issue Date: **November 10, 2020**
Title: Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

Due Date: **Tuesday, December 15, 2020 at 2:00pm**

Issuing Agency: Housing Authority of the City of Lumberton
407 N. Sycamore St.
Lumberton, NC 28358

Period of Contract: The initial term or period of the contract shall be until project completion with the effective date to be determined at time of award.

All inquiries should be directed to Barbie J. Hunt, Capital Funds and Special Projects, by phone at 910-671-8213 or email bhunt@hacl014.com.

Bids should be directly sent to the Issuing Agency shown above and marked Attn: Barbie J. Hunt. Emailed proposal shall not be accepted. The offeror is fully responsible to ensure that your proposals arrive in completion to the designated location.

In compliance with this Invitation for Bid and to all the conditions imposed therein and hereby incorporated by reference, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed bid or as mutually agreed upon by subsequent negotiations. The undersigned further certifies that he/she is authorized to sign this document on behalf of the submitting firm.

| | |
|--|----------------------|
| _____ | Date: _____ |
| Name of Firm | |
| _____ | By: _____ |
| Address of Firm | Signature |
| _____ | Name: _____ |
| City and State Zip Code | Print Name and Title |
| Phone No.: _____ | Fax No.: _____ |
| Email: _____ | FEI/FIN No.: _____ |

NOTE: Changes to this IFB may be issued in the form an addendum at any time prior to the due date and time for submitting proposals. The Contract Officer maintains a mailing list of all vendors that were provided copies of this solicitation (via vendor pickup, mail, fax or email). The Contract Officer will send the addendum to any vendor who directly received a copy of the IFB from the Contract Officer. Any vendor who did not directly receive a copy of the IFB from HACL is encouraged to visit HACL’s web site regularly to learn of any changes to the solicitation (www.lumbertonhousing.org) and contact the Contract Officer to have their name added to the mailing list. HACL’s purchasing regulations require each offeror to submit a signed copy of the addendum to the above delivery address by the proposal due date and time or included with the firm's response to the solicitation.

TABLE OF CONTENTS

Roof Replacement at Weaver Court, Rozier Homes, and Eastwood Terrace

- I. PURPOSE
- II. BACKGROUND
- III. SMALL, HAFL RESIDENT-OWNED, WOMEN-OWNED, MINORITY OWNED AND SECTION 3 BUSINESSES AND INDIVIDUAL PARTICIPATION
- IV. GENERAL REQUIREMENTS
- V. THE CONTRACTOR
- VI. SUMMARY OF WORK
- VII. SCOPE OF WORK
- VIII. PRODUCT SPECIFICATION
- IX. CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS
- X. COORDINATION AND MEETINGS
- XI. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS
- XII. EVALUATION AND AWARD CRITERIA
- XIII. RFP RIGHTS AND CONDITIONS
- XIV. PRE-BID CONFERENCE/SITE TOUR
- XV. METHOD OF PAYMENT
- XVI. PRICING SCHEDULE
- XVII. ATTACHMENTS
 - A. Site Details and Plans
 - B. Bid Bond
 - C. Performance Bond
 - D. Payment Bond
 - E. Bid Proposal Forms
 - F. Statement of Offeror’s Qualification
 - G. NC Affidavit of Compliance E-Verify
 - H. HUD Form 5369 – Instructions to Offerors
 - I. HUD Form 5369-A Representation Certification Statement
 - J. SAM.gov Registration
 - K. HUD Form 5370 – General Conditions for Construction Contracts – Public Housing Programs
 - L. Non-Collusive Affidavit
 - M. HUD Form 2992 – Certification Regarding Debarment and Suspension
 - N. HUD Form 51000 – Schedule of Amounts for Contract Payments
 - O. HUD Form 51001 - Periodic Estimate for Partial Payment
 - P. HUD Form 51002 - Schedule of Change Order
 - Q. HUD Form 5372 - Construction Progress Schedule
 - R. Davis Bacon Wage Decision – Residential – NC20200096 - 02/07/2020
 - S. US Department of Labor Certified Payroll Form
 - T. HAFL’s Vendor Packet
 - U. Section 3 Certification Packet

I. PURPOSE

HACL is seeking bids from qualified and experienced firms who have a demonstrated record of accomplishment in roof replacement. After review of your bid, we should know why your company is the best choice for the roof replacement contract. The purpose of this Invitation for Bid (IFB) is to have a single prime general contract. We expect each Offeror to demonstrate their capacity and qualification in fulfilling this request while meeting the requirements stated in this IFB.

II. BACKGROUND

Housing Authority of the City of Lumberton (HACL) was chartered by the City of Lumberton, North Carolina in 1949 as a government unit to provide low income citizens with safe, clean, and affordable housing and help improve their quality of life. The Mayor of Lumberton appoints the Board of Commissioners; we currently have a seven (7) member board. The Housing Board governs the hiring of the Executive Director and has ultimate responsibility to ensure that the agency operates in compliance with HUD and Federal Government policies. The HACL is responsible for the administration of 729 public housing units dispersed in 12 communities throughout the City.

III. SMALL, WOMEN-OWNED, MINORITY OWNED AND SECTION 3 BUSINESSES AND INDIVIDUAL PARTICIPATION

HACL is committed to providing quality housing and economic opportunities for our residents and the neighborhoods we serve. One of the major requirements for this is Section 3 of the HUD Act of 1968, which requires that HUD funds provide low-income individuals with a springboard for economic empowerment through direct participation in construction and other activities that are designed to physically improve and revitalize the communities in which they live.

It is the policy of the Housing Authority of the City of Lumberton to contribute to the establishment, preservation, and strengthening of small businesses, businesses owned by women, minorities and Section 3 businesses and individuals to encourage their participation in procurement activities. HACL encourages contractors to provide for the participation of small businesses, businesses owned by women, minorities, and Section 3 businesses and individuals through partnerships, joint ventures, subcontracts, or other contractual opportunities. If you are not a Section 3 business concern then a plan for involvement of these types of businesses is required.

By submitting a proposal, the Offeror certifies that all information provided in response to this RFP is true and accurate.

IV. GENERAL REQUIRMENTS

1. **Performance and Payment bonds**; must be issued in accordance with Article 3 of the Chapter 44A of the General Statutes, each having a penal sum in the full amount of the contract sum, will be required on such contract(s) as may be awarded.
Each proposal shall be accompanied by a cash deposit or a certified check drawn on some bank or trust company insured by the Federal Deposit Insurance Corporation, or an amount equal to not less than five percent (5%) of the proposal, or in lieu thereof a bidder may offer a bid bond of five percent (5%) of the bid executed by a surety company licensed under the laws of North Carolina to execute the contract in accordance with the bid bond. Said deposit shall be retained by the Owner as liquidated damages in the event of failure of the successful bidder to execute the contract within ten days after the award or to give satisfactory surety as required by law.
A Performance Bond and a Payment Bond will be required for one hundred percent (100%) of the contract price. Payment will be made on the basis of ninety percent (90%) of monthly estimates and final payment made upon completion and acceptance of work.
No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of sixty (60) days.

2. Product Specification

- 2.1 Products: Means new material, machinery, components, equipment, fixtures, and systems forming the work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of the work. Products may also include existing materials or components required for reuse.
- 2.2 Do not use materials and equipment removed from existing premises, except as specifically permitted by the Contract Documents.
- 2.3 Provide equipment and personnel to handle products by method to prevent soiling, disfigurement, or damage.

3. Transportation and Handling

- 3.1 Transport and handle products in accordance with manufacturer's instructions.
- 3.2 Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.
- 3.3 Provide equipment and personnel to handle products by method to prevent soiling, disfigurement, or damages.

4. Storage and Protection

- 4.1 Store and protect products in accordance with manufacturer's instructions, with seal and labels intact and legible. Store sensitive products in weather-tight, climate-controlled enclosures.
- 4.2 For exterior storage of fabrication products, place on sloped supports, above ground.
- 4.3 Provide off-site storage and protection when site does not permit on-site storage protection.
- 4.4 Cover products subject to determination with impervious sheet covering. Provide ventilation to avoid condensation.
- 4.5 Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- 4.6 Arrange storage of products to permit access for inspection. Periodically inspect to assure products are undamaged and are maintained under specified conditions.

5. Product Options

- 5.1 Products Specified by Reference Standards or by Description Only: Any product meeting those standards or description.
- 5.2 Products Specified by Naming One or More Manufacturers: Products of manufactures named and meeting specifications, no options or substitutions allowed.
- 5.3 Products Specified by Naming One or More Manufacturers with a Provision for Substitutes or Approved Equal: Submit a request for substitution for any manufacturer not named.

6. Specification Format and Content Explanation

- 6.1 Specification Format: These Specifications are organized into Divisions and Sections based on the Construction Specifications institute's 16-Division format.
- 6.2 Specification Content: This Specification uses certain conventions regarding the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations or circumstances. These conventions are explained as follows:
 - 6.2.1 Abbreviated Language: Language used in Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words that are implied, but not stated, shall be interpolated as the sense requires. Singular words will be interpreted as plural and plural words interpreted as singular where applicable as the context of the Contract Documents indicates.
 - 6.2.2 Imperative and streamlined language is used generally in the Specifications. Requirements expressed in the imperative mood are to be performed by the Contractor. At certain locations in the Text, subjective language is used for clarity to describe responsibilities that must be fulfilled indirectly by the Contractor, or by others when so noted.

7. Industry Standards

- 7.1 Applicability of Standards: Except where the Contract Documents include more stringent requirements, the highest construction industry standards shall apply and have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such high standards are made a part of the Contract Documents by reference.
- 7.2 Publication Dates: Comply with the standards in effect as of the date of the Contract Documents.
- 7.3 Conflicting Requirements: Where compliance with two or more standards is specified and where the standards may establish different or conflicting requirements for minimum quantities or quality levels, refer requirements that are different, but apparently equal, and uncertainties to the Architect for a decision before proceeding.
- 7.3.1 Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of the requirements. Refer uncertainties to the Architect for a decision before proceeding.
- 7.4 Copies of Standards: Each entity engaged in construction on the Project is required to be familiar with the highest industry standards applicable to its construction activity. Copies of all applicable standards are not bound with the Contract Documents.
- 7.4.1 Where copies of standards are needed to perform a required construction activity, the Contractor shall obtain copies directly from the publication source.
- 7.5 Applicable Publications:
- North Carolina Building Code, latest editions, as amended.
 - North Carolina Department of Environmental, Health and Natural Resources.
 - National Electrical Code.
 - National Electric Manufacturers Association.
 - National Fire Underwriters Code.
 - North Carolina Department of Labor.
 - OSHA Standards.
 - NFPA Standards.
- 7.6 Submittals:
- Permits, Licenses, and Certificates: For the Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, and similar documents, correspondence, and records established in conjunction with compliance with standards and regulations bearing upon performance of the Work.

8. Daily Construction Reports

Prepare a daily construction report, recording the following information concerning events at the site, sign report and submit legible copies to HACL at monthly meeting:

V. THE CONTRACTOR

1. HACL requires the observance of minimal acceptance standards of conducting business by the “Contractor” and his employees, in the execution of this contract and that the “Contractor” agrees to the adherence of said standards which are set forth as follows:
- 1.1 Uniforms shall properly identify all employees with the name of the firm prominently displayed, on/or, at a minimum, they shall have picture identification cards prominently displaying the employee’s name and company name. Regardless of the method of identification, the employee shall be properly dressed in a professional manner at all times.
- 1.2 The “Contractor” shall insure proper supervision of personnel at all times. Any complaints or problems with employees shall be settled within twenty-four (24) hours. The “Contractor” will provide a contact telephone number, at her/his/their business location, which will allow the Authority

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- to contact the Contractor regarding complaints or problems. This number shall remain connected and active at all times during the life of the contract.
- 1.3 The Contractor shall certify that products used during the execution of the contracts are of a good quality and are approved for the use intended.
 - 1.4 Inspection of work performed may be conducted, as HACL deems necessary. During these inspections, an HACL representative shall identify all areas that have substandard conditions. Failure of the “Contractor” to correct the problems within twenty-four (24) hours or the recurrence of the problem on the future inspections shall be grounds for immediate cancellation of the “Contractor” for just cause.
 - 1.5 The “Contractor’s” employees shall exercise care at all times when performing the requested work on the grounds of HACL. Negligent damages to resident and HACL property shall be the responsibility of the “Contractor”.
 - 1.6 Automotive type vehicles (i.e. passenger cars, trucks, etc.) are prohibited from operating in areas other than streets and parking lots.
2. The “Contractor” shall be responsible for the equipment. HACL shall not be liable for any damage to the equipment used by the “Contractor” in performing this contract regardless if the equipment is leased or owned by the “Contractor”.
 3. Subject to the power and authority of HACL as provided by law in this contract, HACL shall be in all cases determine the quality, quantity and acceptability of the work, materials and supplies for which payment is to be made under this contract. HACL shall decide the questions that may arise relative to the fulfillment of the contract of the obligations of the contractor hereunder.
 4. The “Contractor” shall not pay less than the Davis Bacon Wage Rates, construction type residential in the locality to all employed on the job as specified by the Department of Labor, General Decision Number: NC20200096, Published: 02/07/2020, State: North Carolina, Construction Type: Residential, County: Robeson (copy attached).
 5. The “Contractor” shall comply with the Contract Work Hours Safety Standards Act, by paying to laborers and mechanics (including watchman and guards) no less than one and one half (1 ½) times the basic rate of pay for all hours worked over forty (40) in any work week.
 6. The “Contractor” shall be responsible for all damages to HACL that may be caused by or result from defective or improper services or from the failure of the “Contractor” to deliver such services in accordance to the terms of the proposal.
 7. The “Contractor” shall be responsible for and required to make good at its expense any and all damages arising during the period of this Agreement caused by carelessness, neglect or want of due precaution on the part of the “Contractor” and/or it’s agents, employees and workmen.
 8. The “Contractor” shall complete all work required under this contract within 120 calendar days of the effective date of the contract.

If job conditions (i.e. extreme heat or wet weather) prohibits the “Contractor” from performing the duties under the contract and meeting the schedule, notification must be given to the Authority’s contract monitor.

VI. SUMMARY OF WORK

1. Project Description

The work shall be performed under a single prime contract.

The work shall generally consist of furnishing of all labor, materials, equipment, and performing all operations indicated, specified, or necessary for the completion of the Weaver Court, Rozier Homes, and Eastwood Terrace Reroofing for the Housing Authority of the City of Lumberton.

2. Project Location

The Project involves the replacement of roofs, roof decks, sheathing, drip edge, flashing, 1x6 rake-board and/or 2x6 sub-fascia, fascia wrap, vented soffit, j-channel, and plumbing boots at the following duplex addresses;

Weaver Court

1. 2500-2502 Freedom Circle
2. 100-102 Parmele Ave.
3. 104 Parmele Ave.
4. 106-108 Parmele Ave.
5. 107 Parmele Ave.
6. 110-112 Parmele Ave.
7. 114-116 Parmele Ave.
8. 117-119 Parmele Ave.
9. 118 Parmele Ave.
10. 120 Parmele Ave. – 202 Brooke Ln.
11. 204-206 Brooke Ln.
12. 208-210 Brooke Ln.
13. 300 Brooke Ln. (Community Building)
14. 207-209 Brooke Ln.
15. 203-205 Brooke Ln.
16. 124-126 Parmele
17. 2704 Freedom Dr.
18. 2706-2708 Freedom Dr.
19. 300-302 Douglas Dr.
20. 3005 Douglas Dr.
21. 3001-3003 Douglas Dr.
22. 2802-2804 Freedom Dr.
23. 2806-2808 Freedom Dr.
24. 2810-2812 Freedom Dr.
25. 2814-2816 Freedom Dr.
26. 402 Moore Cir.
27. 404-406 Moore Cir.
28. 408 Moore Cir.
29. 405-407 Moore Cir.
30. 401-403 Moore Cir.
31. 2900-2902 Freedom Dr.
32. 2904-2906 Freedom Dr.
33. 2908 Freedom Cir.-502 Kennedy Cir.
34. 504-506 Kennedy Cir.
35. 508-510 Kennedy Cir.
36. 512 Kennedy Cir.
37. 514-516 Kennedy Cir.
38. 518 Kennedy Cir.
39. 517-519 Kennedy Cir.
40. 513-515 Kennedy Cir.
41. 508-511 Kennedy Cir.
42. 507 Kennedy Cir.
43. 503-505 Kennedy Cir.
44. 501 Kennedy Cir.
45. 3000-3002 Freedom Dr.
46. 3001-3003 Freedom Dr.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

47. 2601 Freedom Dr.
48. 2605-2607 Freedom Dr.
49. 2701-2703 Freedom Dr.
50. 2705-2707 Freedom Dr.
51. 2709-2801 Freedom Dr.
52. 2805-2807 Freedom Dr.
53. 2811 Freedom Dr.
54. 2901-2903 Freedom Dr.
55. 2905-2907 Freedom Dr.
56. 2909-2911 Freedom Dr.

Rozier Homes

1. A-1 / B-1 Rozier
2. A-2 / B-2 Rozier
3. A-3 / B-3 Rozier
4. A-4 / B-4 Rozier
5. A-5 / B-5 Rozier
6. A-6 / B-6 Rozier
7. A-7 / B-7 Rozier
8. A-8 / B-8 Rozier
9. A-9 / B-9 Rozier
10. A-10 / B-10 Rozier
11. A-11 / B-11 Rozier
12. A-12 / B-12 Rozier
13. A-13 / B-13 Rozier
14. A-14 / B-14 Rozier
15. A-15 / B-15 Rozier

Eastwood Terrace

1. 1901, 1903, 1905, 1907 Eastwood Terrace (Quadruplex)
2. 1911, 1913, 1915, 1917 Eastwood Terrace (Quadruplex)
3. 1921, 1923, 1925, 1927 Eastwood Terrace (Quadruplex)
4. 1931, 1933, 1935, 1937 Eastwood Terrace (Quadruplex)
5. 1941, 1943, 1945, 1947 Eastwood Terrace (Quadruplex)
6. 1951, 1953, 1955, 1957 Eastwood Terrace (Quadruplex)
7. 1961-1963 Eastwood Terrace
8. 1965 McPhail Road (Community Building)
9. 2005-2007 Eastwood Terrace
10. 2011-2013 Eastwood Terrace
11. 2015-2017 Eastwood Terrace
12. 2021-2023 Eastwood Terrace
13. 2025-2027 Eastwood Terrace
14. 2031-2033 Eastwood Terrace
15. 2035-2037 Eastwood Terrace
16. 2041 Eastwood Terrace
17. 2043-2045 Eastwood Terrace
18. 2051 Eastwood Terrace
19. 2053-2055 Eastwood Terrace
20. 2061-2063 Eastwood Terrace
21. 2065-2067 Eastwood Terrace

The following scope is for a complete roof replacement of the Housing Authority of the City of Lumberton's Weaver Court, Rozier Homes and Eastwood Terrace sites.

VII. SCOPE OF WORK

The project scope involves the replacement of roofs, roof decking, fascia/rake covers and ventilated vinyl soffit.

The work shall include, but not limited to the following;

Removal and Disposal of;

- Existing roofs (including decking)
- Metal fascia/rake
- Wood fascia/rake

Installation of;

- Roof deck
- Flashing
- Drip Edge
- Roofing Felt
- Ridge Cap
- Shingles
- Roof Vents
- Wood fascia/rake
- Metal fascia/rake covers
- Ventilated vinyl soffit

1. Work Schedule

The work will be performed in accordance with the following:

- 1.1 The construction schedule and work hours for the Housing Authority of the City of Lumberton's sites shall be Monday through Saturday from 7:00 AM until 7:00 PM.
- 1.2 Contractor is to provide Owner 48-hour advanced notice of Saturday work.
- 1.3 Provide Owner 48-hour notice before any modifications to any existing systems which will interrupt service.
 - 1.3.1 Power interruptions are to be scheduled to not disrupt operations. Contractor shall coordinate with the Owner's Contract Monitor time and duration of power interruptions. Work requiring a power interruption is to be scheduled at the Owners required times. All work is to be scheduled to provide as quick a changeover as possible.
- 1.4 Toilet facilities are to be provided by the Contractor.
- 1.5 Contractors are to confine operations to the site under construction. Prearrange with Owner if access is required for other areas.

2. Rules for Construction Employees on State Property

At any time during the construction and completion of the work covered by these Specifications, if the conduct of any workman of the various crafts be adjudged ungentlemanly and a nuisance to the Owner, Engineer, Designer, or Architect, or if any working person is considered incompetent or detrimental to the work, the Contractor shall order such parties removed immediately from the grounds.

- 2.1 Under no circumstances are construction workers allowed to bring weapons, drugs, or any type of controlled substance onto the property. This includes on the person and vehicle.
- 2.2 All construction workers are directed not to talk or any way, communicate with building occupants. Whistling and making lewd statements in any form will not be tolerated and will be reason for expulsion.
- 2.3 Dress Code: All construction workers must wear long pants, shirts with no less than four-inch (4") sleeves, no tank tops, no shorts and no bare backs.
- 2.4 No alcohol beverages on Owner's Property at any time.
- 2.5 No littering on the Property, this includes soda cans, bottles, trash, etc.

3. Contractor Use of Premises

- General: During the construction period the Contractor shall have full use of the Project sites.
- The Owner shall schedule location for Contractor staging area.
- All vehicles are to be parked at location on the site.
- Contractors will be assigned an area on the site for storage.
- Finishes are to be protected, and returned to the Owner in their original condition at projects end.

4. Warranty

Contractor shall provide a minimum one (1) year workmanship warranty. Warranty requirement shall extend to defective or nonconforming to the contract documents. The Contractor shall bear the cost of correcting all damage resulting from such defects or nonconformance with contract documents exclusive of repairs required as a result of improper installation if determined by the Owner.

VIII. PRODUCT SPECIFICATION

PART 1. SHEATHING

1. Wood Panel Products, General

1.1 Plywood: DOC PS 1

2. Roof Sheathing

2.1 Plywood Roof Sheathing: Exterior sheathing $\frac{3}{4}$ inch in thickness

3. Miscellaneous Products

3.1 Fasteners: Size and Type indicated

3.1.1 For roof sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M.

3.1.2 Power-Driven Fasteners: CABO NER-272

4. Installation

4.1 Securely attached to substrates, complying with the following:

4.1.1 CABO NER-272 for power-driven fasteners.

4.1.2 Table 2304.9.1. "Fastening Schedule" in the IBC.

5. Fastening Methods:

5.1 Roof Sheathing

5.1.1 Nail to wood framing

PART 2. FIBERGLASS-BASED ASPHALT SHINGLES & ACCESSORIES

1. Roof shingles and accessories including the following:

1.1 Fiberglass-based asphalt shingles.

1.2 Hip and ridge shingles.

1.3 Starter shingles.

1.4 Self-adhering ice and water barrier.

1.5 Shingle underlayment.

1.6 Attic ventilation.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 1.7 Fasteners.
- 1.8 Metal flashing and trim.

2. References

- 2.1 653ASTM International (ASTM):
 - 2.1.1 ASTM D226 - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.
 - 2.1.2 ASTM D228 - Standard Test Method for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing.
 - 2.1.3 ASTM D1970 - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.
 - 2.1.4 ASTM D3018 - Standard Specification for Class A Asphalt Shingles Surfaced with Mineral Granules.
 - 2.1.5 ASTM D3161 - Standard Test Method for Wind-Resistance of Asphalt Shingles (Fan Induced Method).
 - 2.1.6 ASTM D3462 - Standard Specification for Asphalt Shingles Made from Glass felt and Surfaced with Mineral Granules
 - 2.1.7 ASTM D4869 - Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing.
 - 2.1.8 ASTM D6757 - Standard Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep-Slope Roofing.
 - 2.1.9 ASTM D7158 - Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method).
 - 2.1.10 ASTM E108 - Standard Test Methods for Fire Tests of Roof Coverings.
 - 2.1.11 ASTM F1667 - Standard Specification for Driven Fasteners: Nails, Spikes, and Staples.
- 2.2 Canadian Standards Association (CSA): CSA A123.5 -Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules. Note: Applicable only to products sold for use in Canada.
- 2.3 International Code Council Evaluation Service (ICC-ES)
- 2.4 ICC-ES Evaluation Reports.
- 2.5 ICC-ES Acceptance Criteria.
- 2.6 Miami-Dade County Department of Regulatory and Economic Resources (RER), Product Control Section: Miami-Dade County Notice of Acceptance (NOA).
- 2.7 Texas Department of Insurance (TOI): Product Listing.
- 2.8 Underwriters Laboratories (UL):
 - 2.8.1 UL 790 - Standard Test Methods for Fire Test of Roof Coverings.
 - 2.8.2 UL 997 - Wind Resistance of Prepared Roof Covering Materials.
- 2.9 Underwriters Laboratories Evaluation Services (UL-ES):
 - 2.9.1 UL-ES Evaluation Reports.

3. Regulatory Requirements and Certifications

- 3.1 Provide a roofing system having an Underwriters Laboratories (UL) Class A fire resistance classification.
- 3.2 Install all roofing products in accordance with all federal, state and local building codes.
- 3.3 All work shall be performed in a manner consistent with current OSHA guidelines.

4. Submittals

- 4.1 Submit under provisions of “Submittal Procedures”.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 4.2 Submit printed copies of Owens Corning product data sheets indicating product characteristics, product information, installation instructions (including required preparation and installation procedures) and product limitations and color samples.
 - 4.3 Certificate of Compliance: Provide Certificate of Compliance from independent laboratory indicating that Owens Corning asphalt shingles made in normal production meet or exceed the requirements of the following:
 - 4.3.1 ASTM D3462.
 - 4.3.2 ASTM D3161/D7158- Indicating a Class of Wind Resistance.
 - 4.3.3 ASTM E108/UL790- Indicating Class A Fire Resistance.
 - 4.4 Copy of Warranty: For warranty specified.
5. Pre-Installation Meeting
- 5.1 For all projects, a pre-installation meeting is strongly recommended. Conduct a pre-installation meeting at the site prior to commencing work in this section. Require attendance of entities directly concerned with roof installation.
 - 5.2 Topics to be discussed:
 - 5.2.1 Safety procedures.
 - 5.2.2 Installation procedures/method (including substrate preparation), sequencing of materials, and coordination with installation of other/adjacent work.
 - 5.2.3 Roofing material availability, storage and handling.
 - 5.2.4 Additional roof covering and roof accessory materials.
 - 5.2.5 Through roof penetrations and other roof details.
 - 5.2.6 Product compliance - Verify that products comply with requirements specified by local Authority Having Jurisdiction (AHJ)
 - 5.2.7 All other items related to successful execution/completion of work.
 - 5.3 Submit printed copies of Owens Corning product data sheets indicating product characteristics, product information, installation instructions (including required preparation and installation procedures), product limitations and color samples.
6. Quality Assurance
- 6.1 Manufacturer Qualifications: Provide all primary roofing products, including shingles, underlayment, ice and water barrier, and ventilation, by a single manufacturer.
 - 6.2 Installer Qualifications: Installer shall be licensed or otherwise authorized by all federal, state and local authorities to install all products specified in this section. Installer shall follow Owens Corning published installation instructions.
 - 6.2.1 Installer shall be an Owens Corning Roofing Platinum Preferred Contractor as defined and certified by Owens Corning.
7. Delivery, Storage and Handling
- 7.1 Deliver materials to site in manufacturer's unopened bundles with labels intact and legible.
 - 7.2 Store all products in manufacturer's unopened, labeled packaging until they are ready for installation.
 - 7.3 Store all products in accordance with Owens Corning recommendations.
 - 7.4 Do not install underlayment or shingles on wet surfaces.

- 7.5 Store and dispose of solvent-based materials in accordance with all federal, state and local regulations.
- 7.6 For rooftop loading, lay shingle bundles flat. Do not bend over the ridge.

8. Project Conditions

- 8.1 Do not install systems under environmental conditions outside Owens Corning recommended limits. Proceed with work only when existing and forecasted weather conditions will permit work to be performed within Owens Corning recommended limits.

9. Warranty

- 9.1 Manufacturer's Extended Limited Warranty: Provide to the Owner Owens Corning standard extended warranty coverage labor and materials in the event of a material defect. Refer to actual warranty for complete details, limitations and requirements.
 - 9.1.1 Owens Corning Preferred Protection Roofing System Limited Warranty includes Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. This warranty will also cover workmanship defects by the installer. Coverage can only be provided by a designated Owens Corning Roofing Preferred or Platinum Preferred Contractor.

10. Products

- 10.1 Manufacturers: Acceptable Manufacturer: Owens Corning Roofing and Asphalt, LLC. One Owens Corning Pkwy. Toledo, OH 43659. Toll Free: 1-800-ROOFING. Email: ocbuildingspec@owenscorning.com. Web: www.owenscorning.com.
 - Requests for substitutions will not be considered.
- 10.2 Asphalt Shingles: Oakridge® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 10.2.1 Nominal Size: 13-1/4 in by 39-3/8 in.
 - 10.2.2 Exposure: 5-5/8 in.
 - 10.2.3 Shingles per Square: 64.
 - 10.2.4 Bundles per Square: 3 bundles of 20 or 22 shingles.
 - 10.2.5 Coverage per Square: 98.4 sqft
 - 10.2.6 Color: Driftwood
 - 10.2.7 Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, UL ER2453-01, Florida Product Approval, and Miami-Dade County Product Approval. Shasta White Color meets ENERGY STAR requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15.
- 10.3 Hip and Ridge Shingles
 - 10.3.1 ProEdge® Hip and Ridge (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - a. Perforated shingles with factory installed cutouts designed for fast and easy installation.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- b. Nominal Size: 12 in by 36 in with 6 in exposure.
- c. Piece Size: 12 in by 12 in.
- d. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, UL ER2453-01, Florida Product Approval, and Miami-Dade County Product Approval.

10.4 Starter Shingles

10.4.1 Starter Shingle Roll: As manufactured by Owens Corning Roofing and Asphalt, LLC.

- a. Self-adhering, starter course. Each strip measures 7-1/5 in tall by 33-2/5 ft wide.
- b. Standards/Qualifications: Florida Product Approval.

10.5 Self-Adhering Underlayment's

10.5.1 WeatherLock® Mat: As manufactured by Owens Corning Roofing and Asphalt, LLC.

- a. Mat-faced skid resistant surface, self-adhering, self-sealing, bituminous ice and water barrier.
- b. Roll Width: 36 in.
- c. Selvage: 3 in.
- d. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance1), Florida Product Approval, and Miami-Dade County Product Approval.

10.6 Mechanically Fastened Underlayment's

10.6.1 Fiberglas™ Reinforced Felt Underlayment.

- a. Wrinkle resistant, water resistant, breather type cellulose/glass fiber composite roofing underlayment.
- b. Roll Width: 36 in.
- c. Roll Length: 141.5 ft.
- d. Coverage Per Roll: 4 roof squares.
- e. Standards/Qualifications: ASTM D226 (Type II), ASTM D4869 (Type IV), ASTM D6757, and Florida Product Approval.

10.7 Roof Ventilation

10.7.1 VentSure® 4 ft. Strip Heat and Moisture Ridge Vent, 12 in width

- a. Shingle-over, polypropylene ridge ventilator designed to work with eave/soffit intake ventilation to maximize the flow of cool, fresh air through the roof and attic structure.
- b. Patented corrugated ridge design and interlocking feature for additional flexibility and strength
- c. Provides 20 sq in NFVA per lineal foot.
- d. Optional Weather PROtector® filter provides added protection against wind-driven rain and snow infiltration.
- e. 15 in wide and 1 in high, with a shingle-over width of 12 in.
- f. Suitable on roofs with a pitch from 3:12 to 6:12.
- g. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in of rain/hr. at 110 mph, UL ER21292-01, Florida Product Approval, Miami-Dade County Product Approval, and TDI listed for usage in Texas Coastal Regions.

10.8 Fasteners

- 10.8.1 Fasteners: Galvanized steel, stainless steel, or aluminum nails complying with ASTM F1667 minimum 12-gauge, 0.0808 in shank with 3/8 in diameter head. Check local building code requirements.

10.9 Metal Flashing

10.9.1. Flashing: non-corrosive sheet metal or aluminum:

- a. 24 gauge hot-dip galvanized steel sheet.
- b. 0.032-inch aluminum sheet.

10.10 Drip Edge

10.10.1. Drip edge, rake flashing shall be minimum 0.024-inch aluminum sheet:

- a. Drip edge shall be brake-formed to provide 3-inch roof deck flange.
- b. ½ inch fascia flange with 3/8-inch drip at lower edge.
- c. Furnish in 8 or 10-foot lengths.
- d. Baked-on black finish.

10.11. Roof Louver

10.11.1. Bathroom Vents:

- a. Black aluminum super slantback static roof louver
- b. Roof pitch 3:12 (minimum) to 12:12 (maximum)
- c. 60-sq in of net free ventilating area (NFA) per vent
- d. Aluminum construction
- e. Black finish

10.12. Pipe Flashing

10.12.1. Preformed

- a. Fits flat to 12/12 pitch (45°)
- b. Traditional style thermoplastic base
- c. Elastomer collar
- d. Weathering and ultraviolet stabilization
- e. Twenty-year replacement warranty
- f. Stiffer polypropylene hard base
- g. ICC-ES approved

11. Execution

11.1. Examination

- 11.1.1 Prior to starting work, examine all roof decks on which work will be applied for defects in materials and workmanship.
- 11.1.2 Do not begin installation until the roof deck has been properly prepared.
- 11.1.3 If another installer is responsible for roof deck preparation, notify the building owner of unsatisfactory preparation prior to proceeding with installation. Commencement of installation constitutes acceptance of conditions.
- 11.1.4 Underlayment and shingles installed directly over roof insulation or similar type decks is not approved.
 - a. Roof deck must be dry, minimum 5/8 in plywood.
 - b. Ventilation under the roof deck must meet local code requirements.

11.2. Preparation

- 11.2.1 Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- 11.2.2 Remove all existing roofing down to the roof deck.
- 11.2.3 Verify that the deck is dry, structurally sound, clean and smooth. It shall be free of any depressions, waves, and projections. Cover ALL holes 1 in. or less in diameter, cracks over 1/2 in. in width, loose knots and excessively resinous areas with minimum 28 gauge;

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

0.0187 in. galvanized steel, 0.0156 in. stainless steel, or 0.0126 in. aluminum sheet metal. Decking or deck boards with holes greater than 1 in. in diameter shall be replaced.

11.2.4 Replace damaged deck with new materials.

11.2.5 Verify installed roof deck is acceptable to receive shingles. Acceptable roof decks include the following:

- a. Wood boards: 6 in. minimum width, 3/4 in. minimum thickness.
- b. Plywood sheathing: 3/4 in. minimum thickness Exposure 1 grade plywood sheathing as recommended by APA and in compliance with local building code requirements.
- c. Spacing between boards or panels shall not exceed 1/4 in. between roof boards.

11.3. Underlayment Installation

11.3.1. Install Owens Corning™ underlayment's using Owens Corning, installation instructions and in accordance with local building code requirements. When local codes and installation instructions are in conflict, the local building code requirements shall take precedence.

- a. Install self-adhering ice and water barrier from the eaves edge of roof up the slope a full 36 in. but not less than 24 in. beyond the interior edge of the exterior wall. Lap ends 6 in. on roof decks sloped 5:12 and greater. On roofs with slopes from 2:12 up to 4:12, see application instructions printed on each package.

11.3.2. Drip Edge

- a. Drip edge shall be installed on all roof edges.
- b. Install drip edge on eaves first with underlayment installed over the drip edge, or install per local code requirements.
- c. Install drip edge on rakes after underlayment is installed, with the drip edge fastened over the underlayment.
- d. Joints in drip edge shall be lapped minimum 2 in. with the upslope piece lapped over the down slope piece, or per local building code requirements
- e. Install fasteners 8 in. to 10 in. on center, approximately 1-3/4 in. to 3 in. from the outside edge of the drip edge, or per local building code requirements.

11.3.3 Valleys

- a. Install self-adhering ice and water barrier at least 36 in. wide and centered on the valley. Lap ends 6 in. and seal.
- b. Where valleys are indicated to be "open valleys", install metal flashing over self-adhering ice and water barrier before roof deck underlayment is installed; DO NOT nail through the flashing. Secure the flashing by nailing at 18 in. on center just beyond edge of flashing so that nail heads hold down the edge, or use valley metal with a formed edge and secure with clips.

11.3.4 Roof Deck

- a. On roofs with slope greater than 4:12, lap horizontal edges at least 2 inches. and at least 2 inches over self-adhering ice and water barrier. Lap ends at least 4 inches. End laps in succeeding course should be located at least 6 ft. from end laps in the preceding course.
- b. On roofs with pitch between 2:12 to less than 4:12, see application instructions printed on each shingle wrapper, or follow local code requirements.
- c. Lap underlayment over valley protection at least 6 inches.

11.3.5. Penetrations

- a. Vent pipes: Install a 24 in. square piece of self-adhering ice and water barrier lapping over roof deck underlayment; seal tightly to pipe.
- b. Vertical walls: Install self-adhering ice and water barrier extending at least 3 in to 4 in. up the wall and 12 in. onto the roof surface. Lap the membrane over the roof deck underlayment.
- c. Chimneys: Install self-adhering ice and water barrier around entire chimney extending at least 6 in. up the wall and 12 in. on to the roof surface. Lap the membrane over the roof deck underlayment.

11.4. Pipe Flashing Replacement and Installation

- 11.4.1 Pipe Flashing: Remove and Replace all boots with “Oatey” thermoplastic plastic vent and pipe flashing that is non-fading, with a non-cracking base made of rigid thermoplastic and 11 ¼” x 15” in size. Patented All-Flash collar has a tear-away ring allowing the flashing to seal different vent pipe sizes. Self-sealing collar slides over vent pipe and requires no caulking (No-Calk).
- 11.4.2 Inspect vent pipe to make certain there are no sharp edges on the rim of the pipe that could damage, split or tear the collar and the pipe is free of any grooves or ridges. Grooves or ridges must be smoothed with coarse sand paper to ensure proper sealing. Pipe sizes are indicated on the collar and make sure that the collar size indicated matches the pipe inside diameter (i.e. 1.5" flashing for 1.5" pipe, 2" flashing for 2" pipe size, etc.) Place the proper size flashing over the vent pipe with the long side of the base on the upside of the roof. Slide the collar down the vent pipe until the base is flat against the roof surface.
- 11.4.3 Use corrosion resistant nails or staples to secure the up or high side of the flashing to the roof. Nail or staple all corners and along the sides at intervals of 4"-6" to secure the flashing. The top of the flashing will be covered one-quarter to one-half of the way down with roof shingles. The bottom edge of the flashing should overlap the shingles beneath it so that it sheds, not traps water.
- 11.4.4 Exposed nails or staples be covered with a silicone sealant, which also may be applied to the underside of the base to improve sealing capability.
- 11.4.5 Petroleum based sealants or cement products may be used on metal bases of flashings only. Never use petroleum base mastics, sealing compounds or paints on any flashing collar or on the base of plastic flashings.

11.5. Shingle Installation

- 11.5.1. Install Owens Corning™ shingles (including started shingles as well as hip and ridge shingles) in accordance with Owens Corning installation instructions and in accordance with local building code requirements.
- 11.5.2. Install starter course at lowest roof edge and along rake with edge of shingles extending 1/4 in. over edge of roof. Sealant strip should be closest to roof edge.
- 11.5.3. Install first and successive courses of shingles stepping diagonally up and across roof deck with Owens Corning recommended offset at each succeeding course. Maintain uniform exposure of shingles at each succeeding course. Use of a chalk line every other course is recommended.
- 11.5.4. Fasten shingles to deck with number of roofing nails per shingle and type of nails specified by Owens Corning, or in accordance specified by local Authority Having Jurisdiction.
- 11.5.5. All fasteners must be driven flush with the shingle surface and penetrate at least 3/4 in. into the wood deck. Where the deck is less than 3/4 in. thick, the fastener should be long enough to penetrate fully and extend through the roof sheathing.
- 11.5.6. Install Owens Corning shingles at valleys, eaves, rakes, hips and ridges in accordance with Owens Corning installation instructions and local building code requirements.

11.6. Vent Installation

- 11.6.1. Install Owens Corning™ vents in accordance with Owens Corning installation instructions and local building code requirements.
- 11.6.2. Ventilation at minimum must meet or exceed local building code requirements. Owens Corning recommends:
 - a. Net Free Ventilating Area (NFVA) of 1:150 as a minimum.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- b. Balanced approach for most effective ventilation (balance between the lower and upper parts of the roof by providing 50% of NFVA at the soffit and 50% at the ridge).
- c. NFVA at the upper part of the roof should not exceed 50%.
- d. Where length of the roof ridge is sufficient provide continuous ridge vents for most effective ventilation approach.

11.6.3. Replace bathroom vents in accordance with Owens Corning installation instructions.

11.7. Drip Edge

11.7.1. Install at eaves and gables

11.8. Kick Out Flashing

11.8.1. Install at roof edge at valley ends.

11.8.2. Install at roof edge at ends of step flashing

11.9. Protection

11.9.1. Protect installed products until completion of project.

11.9.1. Touch-up, repair or replace damaged products before Substantial Completion.

PART 3. FASCIA, SOFFIT & ACCESSORIES

1. Rough Carpentry Products

1.1 Wood Products, General

1.1.1 Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Grade lumber by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.

- a. Factory mark each piece of lumber with grade stamp of grading agency.
- b. Dress lumber, S4S, unless otherwise indicated.

1.1.2 Maximum Moisture Content of Lumber: 15 percent for 2-inch nominal thickness or less; 19 percent for more than 2-inch nominal thickness unless otherwise indicated.

1.2 Dimension Lumber Framing

1.2.1 Wood Framing Other Than Non-Load-Bearing Partitions: No. 2 grade.

- a. Application: Framing other than interior partitions.
- b. Species:
 - Southern pine or mixed southern pine; SPIB.
 - Spruce-pine-fir; NLGA.

1.3 Miscellaneous Lumber

1.3.1 General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:

- a. Blocking.
- b. Nailers.

1.3.2 Dimension Lumber Items: No. 2 grade lumber of any species.

1.3.3 Concealed Boards: 15 percent maximum moisture content and any of the following species and grades:

- a. Mixed southern pine or southern pine; No. 2 grade; SPIB.
- b. Spruce-pine-fir; No. 2 grade; NLGA.

1.4 Execution, Installation

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 1.4.1 Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.
- 1.4.2 Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted.
- 1.4.3 Fit rough carpentry accurately to other construction. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction.
- 1.4.4 Do not splice structural members between supports unless otherwise indicated.
- 1.4.5 Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
 - a. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code (IBC).
 - b. ICC-ES evaluation report for fastener.
- 1.5 Protection
 - 1.5.1 Protect rough carpentry from weather. If, despite protection, rough carpentry becomes wet enough that moisture content exceeds that specified, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.
- 2. Exterior Finish Carpentry – Exterior Wood Trim Products
 - 2.1 Materials
 - 2.1.1 Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with applicable rules of any rules-writing agency certified by the American Lumber Standard Committee's (ALSC) Board of Review. Grade lumber by an agency certified by the ALSC's Board of Review to inspect and grade lumber under the rules indicated.
 - a. Factory mark each piece of lumber with grade stamp of inspection agency, indicating grade, species, moisture content at time of surfacing, and mill.
 - 2.2 Exterior Trim
 - 2.2.1 Lumber Trim:
 - a. Species and Grade: Southern pine or mixed southern pine; SPIB Grade #2.
 - b. Species and Grade: Spruce-pine-fir; NLGA Grade #2.
 - c. Maximum Moisture Content: 15 percent with at least 85 percent of shipment at 12 percent or less.
 - d. Finger Jointing: Allowed if made with wet-use adhesive complying with ASTM D5572.
 - e. Face Surface: Surfaced (smooth).
 - 2.3 Miscellaneous Materials
 - 2.3.1 Fasteners for Exterior Finish Carpentry: Provide nails or screws, in sufficient length to penetrate not less than 1-1/2 inches into wood substrate.
 - 2.3.2 For applications not otherwise indicated, provide hot-dip galvanized-steel fasteners.
 - 2.3.3 Sealants: Latex, complying with ASTM C834 Type OP, Grade NF and recommended by sealant and substrate manufacturers for intended application.
 - 2.4 Preparation for Installation
 - 2.4.1 Clean substrates of projections and substances detrimental to application.
 - 2.5 Installation, General
 - 2.5.1 Install exterior finish carpentry level, plumb, true, and aligned with adjacent materials.
 - a. Use concealed shims where necessary for alignment.
 - b. Scribe and cut exterior finish carpentry to fit adjoining work.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- c. Refinish and seal cuts as recommended by manufacturer.
- d. Install to tolerance of 1/8 inch in 96 inches for level and plumb. Install adjoining exterior finish carpentry with 1/32-inch maximum offset for flush installation and 1/16-inch maximum offset for reveal installation.
- e. Coordinate exterior finish carpentry with materials and systems in or adjacent to it.
- f. Provide cutouts for mechanical and electrical items that penetrate exterior finish carpentry.

2.5.2 Finish: Apply finish within two weeks of installation.

3. Plastic Siding & Vinyl Soffit

3.1 Submittals

3.1.1 Product Data: For each type of product.

- a. For vinyl siding, include VSI's official certification logo printed on Product Data.

3.1.2 Samples: For vinyl soffit including related accessories.

3.1.3 Informational Submittal

- a. Qualification Data: For vinyl siding Installer.
- b. Product certificates.
- c. Research/evaluation reports.
- d. Sample warranty.

3.1.4 Closeout Submittals

- a. Maintenance data.

3.2 Quality Assurance

3.2.1 Vinyl Siding Installer Qualifications: A qualified installer who employs a VSI-certified Installer on Project.

3.2.2 Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.

- a. Build mockup of typical soffit as shown on Drawings.
- b. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

3.3 Warranty

3.3.1 Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.

- a. Warranty Period: 50 years from date of Substantial Completion.

3.4 Vinyl Soffit: Integrally colored product complying with ASTM D4477.

3.4.1 Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Alside.
- b. CertainTeed Corporation; Saint-Gobain North America.
- c. Gentek Building Products, Inc.
- d. Heartland Siding; a ProVia company.
- e. Mastic Home Exteriors; PLY GEM Siding Group.
- f. Royal Building Products.
- g. Variform, Inc.

3.4.2 Vinyl Siding Certification Program: Provide products that are listed in VSI's list of certified products.

3.4.3 Pattern: 12-inch exposure in V-grooved, triple, 4-inch board style.

3.4.4 Texture: Smooth.

3.4.5 Ventilation: Provide perforated soffit.

3.4.6 Nominal Thickness: 0.039 inch.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 3.4.7 Minimum Profile Depth: 1/2 inch.
- 3.4.8 Colors: White
- 3.5 Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
 - 3.5.1 Provide accessories matching color and texture of adjacent siding unless otherwise indicated.
- 3.6 Vinyl Accessories: Integrally colored vinyl accessories complying with ASTM D3679 except for wind-load resistance.
 - 3.6.1 Texture: Smooth.
 - 3.6.2 Colors for Decorative Accessories: Match adjacent siding.
- 3.7 Flashing: Provide aluminum flashing complying with Section 07600 "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
 - 3.7.1 Finish for Aluminum Flashing: Siliconized polyester coating, same color as siding.
- 3.8 Fasteners:
 - 3.8.1 For fastening to wood, use siding nails of sufficient length to penetrate a minimum of 1 inch into substrate.
 - 3.8.2 For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch, or three screw-threads, into substrate.
 - 3.8.3 For fastening vinyl, use hot-dip galvanized fasteners. Where fasteners are exposed to view, use prefinished aluminum fasteners in color to match item being fastened.
- 3.9 Installation General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
 - 3.9.1 Center nails in elongated nailing slots without binding siding to allow for thermal movement.
 - 3.9.2 Install vinyl soffit and related accessories according to ASTM D4756.
- 4.0 Adjusting and Cleaning
 - 4.0.1 Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.
 - 4.0.2 Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.
- 4. Sheet Metal Flashing and Trim
 - 4.1 Submittals
 - 4.1.1 Product Data: For each of the following
 - a. Elastomeric sealant.
 - 4.1.2 Shop Drawings: For sheet metal flashing and trim.
 - a. Include plans, elevations, sections, and attachment details.
 - 4.1.3 Samples: For each exposed product and for each color and texture specified, 12 inches long by actual width.
 - 4.1.4 Sample warranty.
 - 4.1.5 Closeout Submittals
 - a. Maintenance data.
 - b. Special warranty.
 - 4.1.6 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.

4.2 Warranty

- 4.2.1 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.
 - a. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 1. Color fading more than 5 Delta units when tested in accordance with ASTM D2244.
 2. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 3. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - b. Finish Warranty Period: 20 years from date of Substantial Completion

4.3 Products

4.3.1 Performance Requirements

- a. General: Sheet metal flashing and trim assemblies, including cleats, anchors, and fasteners, 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 SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- c. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 1. Temperature Change: 120 Degree Fahrenheit , ambient; 180 Degree Fahrenheit, material surfaces.

4.3.1 Sheet Metals

- a. General: Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.
- b. Aluminum Sheet: ASTM B209, alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flat surface.
 1. Exposed Coil-Coated Finish:
Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 2. Color: White.
 3. Concealed Finish: Pretreat with manufacturer's standard white or light-colored acrylic or polyester backer finish, consisting of prime coat and wash coat with minimum total dry film thickness of 0.5 mil.

4.3.2 Miscellaneous Materials

- a. General: Provide materials and types of fasteners, 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 unless otherwise indicated.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 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.
 - 1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - 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.
 - Blind Fasteners: Stainless steel rivets suitable for metal being fastened.
 - 2. Fasteners for Aluminum Sheet: Series 300 stainless steel.
- c. Elastomeric Sealant: ASTM C920, elastomeric silicone polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.

4.3.3 Fabrication, General

- a. Custom fabricate sheet metal flashing and trim to comply with details indicated and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required.
 - 1. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 - 2. Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.
 - 3. Verify shapes and dimensions of surfaces to be covered and obtain field measurements for accurate fit before shop fabrication.
 - 4. 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.
 - 5. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.
- b. Fabrication Tolerances:
 - 1. Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of ¼ inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.
 - 2. Fabricate sheet metal flashing and trim that is capable of installation to tolerances specified.
- c. 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 deep, filled with butyl sealant concealed within joints.
 - 2. Use lapped expansion joints only where indicated on Drawings.
- d. Sealant Joints: Where movable, no expansion-type joints are required, form metal in accordance with cited sheet metal standard to provide for proper installation of elastomeric sealant.
- e. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- f. 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.
- g. Seams:
 - 1. 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.

4.3.4 Formed Roof-Drainage Sheet Metal Fabrications

- a. Roof Edge Fascia Cap: Fabricate in minimum 96-inch-long, but not exceeding 10-foot-long sections.

1. Fabricate from the following materials:
 - Aluminum: 0.024 inch thick.

4.4 Execution

4.4.1 Installation, General

- a. Install sheet metal flashing and trim to comply with details indicated and recommendations of cited sheet metal standard that apply to installation characteristics required unless otherwise indicated on Drawings.
 1. Install fasteners, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 2. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of sealant.
 3. Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement.
 4. Install sheet metal flashing and trim to fit substrates and to result in watertight performance.
 5. Space individual cleats not more than 12 inches apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 6. Install exposed sheet metal flashing and trim with limited oil-canning, and free of buckling and tool marks.
 7. Do not field cut sheet metal flashing and trim by torch.
- 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.
- c. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
 1. Space movement joints at maximum of 10 feet with no joints within 24 inches of corner or intersection.
 2. Use lapped expansion.
- d. Fasteners: Use fastener sizes that penetrate wood blocking or sheathing not less than 1-1/4 inches for nails and not less than 3/4 inch for wood screws.
- 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.
 1. Use sealant-filled joints unless otherwise indicated.
 - Form joints to completely conceal sealant.
 - When ambient temperature at time of installation is between 40- and 70- degrees Fahrenheit, set joint members for 50% movement each way.
 - Adjust setting proportionately for installation at higher ambient temperatures.
 - Do not install sealant-type joints at temperatures below 40 degrees Fahrenheit.

4.4.2 Installation of Roof Flashings

4.4.3 Installation Tolerances

- a. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

4.4.4 Cleaning

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

- b. Clean off excess sealants.

4.4.5 Protection

- a. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.
- b. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures, as determined by Architect.

IX. CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1. Electricity

- 1.1 Do not disrupt Owner's need for continuous service. Connect to Owner's existing service for temporary service.

2. Telephone Service

- 2.1 Contractor is to provide, maintain and pay for telephone service to field office at time of project mobilization. A mobile phone with at least 75% signal at the site is acceptable.

3. Temporary Water Service

- 3.1 Contractor is allowed the use of the existing water service. Connect to existing water source for construction operations. Owner to pay for water fees.

4. Temporary Sanitary Facilities

- 4.1 Contractor shall provide facilities on site.

5. Barriers/Safety

- 5.1 Contractor to provide barriers to prevent unauthorized entry to construction areas, and to protect existing facilities and adjacent properties from damage from construction operations. Separate construction site from public access by fences, or other security measures. Accident prevention signs and markers shall comply with N.C. OSHA regulations to warn of dangers and restrictions.
- 5.2 Provide protection for plant life designated to remain. Replace damaged plant life.
- 5.3 Protect non-owned vehicular traffic, stored materials, site, and structures from damage.
- 5.4 Safety comply in full with NFPA 241 standard for safe guarding building construction and demolition operations, NC-OSHA regulations.

6. Protection of Installed Work

- 6.1 Protect installed Work and provide special protection where specified in individual specification sections.
- 6.2 Provide temporary and removable protection for installed Products. Control activity in immediate work area to prevent damage.
- 6.3 Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

7. Security

- 7.1 Provide security and facilities to protect Work, from unauthorized entry, vandalism, or theft.
- 7.2 Contractor's employees are restricted to area under construction.

8. Access Roads

- 8.1 Existing roads shall be used for public thoroughfares to serve construction area.
- 8.2 Provide and maintain access to fire hydrants, free of obstructions.

9. Parking

- 9.1 Do not allow vehicle parking at undesignated streets or parking areas.

9.2 Owner will designate parking and storage areas.

10. Progress Cleaning and Waste Removal

10.1 Maintain areas free of waste materials, debris, and rubbish.

10.2 Remove debris and rubbish from pipe chases, plenums, ceiling spaces, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

10.3 Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

10.4 Collect and remove waste materials, debris, and rubbish from site weekly and dispose off-site.

11. Field Offices and Sheds

11.1 The Contractor shall provide a site office: Office is to provide lighting, electrical outlets, heating, and ventilating equipment, and equipped with sturdy furniture, drawing rack and drawing display table.

12. Storage Yard

12.1 Each Contractor is to store materials at area as designated by the Owner.

13. Removal of Utilities, Facilities, and Controls

13.1 Remove temporary utilities, equipment, facilities, materials, prior to Substantial Completion inspection.

14. Permits

14.1 All Prime Contractors are responsible for all fees, Federal, State or Local required for their division of work.

X. COORDINATION AND MEETINGS

1. Coordination:

The General Contractor shall be designated project expeditor and shall coordinate construction activities included under various Sections of these Specifications to assure efficient and orderly installation of each part of the Work. Coordinate construction operations included under different Sections of the Specifications that are dependent upon each other for proper installation, connection, and operation.

1.1 Where installation of one part of the Work is dependent on installation of other components, either before or after its own installation, schedule construction activities in the sequence required to obtain the best results.

1.2 Where availability of space is limited, coordinate installation of different components to assure maximum accessibility for required maintenance, service and repair.

1.3 Make adequate provisions to accommodate items scheduled for later installation.

1.4 Preconstruction Conference

2. Administrative Procedures:

Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and ensure orderly progress of Work. Such administrative activities include, but are not limited to, the following:

2.1 Preparation of schedules.

2.2 Installation and removal of temporary facilities.

2.3 Delivery and processing of submittals.

2.4 Progress meetings.

2.5 Project Close-out activities.

3. Conservation:

Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 3.1 Salvage materials and equipment involved in performance of, but not actually incorporated in, the Work. Refer to other sections for disposition of salvaged materials that are designated to Owner's property.

4. Preconstruction Conference

- 4.1 Designer will schedule a conference after Notice of Award, but no later than 10 days after execution of the agreement and before construction activities.
- 4.2 Attendance Required: Owner's Contract Monitor, Consultants, Prime Contractors, major Subcontractors and their manufacturers.
 - 4.2.1 Agenda:
 - Designation of responsible personnel and preparation of Project Directory.
 - Use of the premises.
 - Office, Work, storage and staging areas.
 - Critical Work sequencing.
 - Review of Contract Construction Schedule.
 - Submittal of Shop Drawings, Product Data, Samples and Submittal Register.
 - Requests for Information.
 - Equipment deliveries and priorities.
 - Procedures for processing Applications for Payment.
 - Procedures for processing field decisions, Change Orders and Claims.
 - Quality Control Log.
 - Safety procedures.
 - Project Clean-up.
 - Security.
 - Working Hours.
 - Preparation of Record Documents.
 - Project Closeout Requirements.

5. Pre-installation Meeting

- 5.1 Conduct a pre-installation conference at the site before each construction activity that requires coordination with other construction. The installer and representatives of manufacturers and fabricators involved in or effected by the installation, and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise the Owner of scheduled meeting dates.
 - 5.1.1 Review the progress of other construction activities and preparations for the particular activity under consideration at each pre-installation conference, including requirements for:
 - Contract Documents, including Change Orders.
 - Purchases and deliveries.
 - Shop Drawings, Product Data and quality control Samples.
 - Possible conflicts or compatibility problems.
 - Time schedules.
 - Weather limitations.
 - Manufacturer's recommendations.
 - Acceptability of substrates.
 - Temporary facilities and protection of Work.
 - Space and access limitations.
 - Governing regulations, including safety.
 - Required performance results, inspection and testing requirements
 - Recording requirements.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

- 5.2 Record significant discussions and agreements and disagreements of each conference, along with the approved schedule. Distribute the record of the meeting to everyone concerned, promptly, including the Owner.
- 5.3 Do not proceed if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of Work and reconvene the conference at the earliest feasible date.

6. Progress Meetings

- 6.1 HACL shall schedule and administer meetings to be held at all intervals as required by the level of work activity. Meetings will be scheduled every month; a representative of the designer will be on-site for the meeting.
- 6.2 Attendance Required: Job superintendent, major Subcontractor and suppliers, Owner, as appropriate to each meeting or Construction Phase.
- 6.3 The date of the monthly progress meeting will be the scheduled at the preconstruction conference. The monthly meeting will be the time where applications for payment will be reviewed.
 - Topic of Discussions:
 - Review work completed
 - Review work in progress
 - Field observations, problems, and decisions
 - Identification of problem which impede planned progress
 - Review submittals schedule, submittal register and status of submittals
 - Review of off-site fabrication and delivery schedules
 - Maintenance of progress schedule
 - Corrective measures to regain projected schedules
 - Planned progress during succeeding work period
 - Coordination of projected progress
 - Maintenance of quality and work standards
 - Effect of proposed changes on progress and coordination
 - Other business relating to Work.
 - Review monthly application for payment.

XI. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. IFB Response:

1. In order to be considered for selection, offerors must submit a complete response to this IFB. One (1) unbound original and (3) copies of each proposal must be submitted to the issued agency on or before closing date. Facsimile or electronically transmitted proposals will not be accepted. Offerors assume sole and full responsibility for the timely delivery of the proposals. Late proposals will not be considered. All proposals will become a part of HACL's official files and will not be returned to the offeror.
2. The bids shall be in a sealed envelope or sealed package and addressed as directed on Page 2 of the solicitation. The sealed envelope or sealed package should be clearly marked and identified in the lower left corner as follow:

Invitation for Bid: Closing Date: **Tuesday, December 15, 2020 at 2:00pm**
Project Number HACL-2020-024

Roof Replacement at Rozier Homes, Eastwood Terrace and Weaver Court
Contact Person: Barbie J. Hunt, Capital Funds and Special Projects
Telephone Number of Contact: (910) 671-8213

B. Bid Preparation

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

1. Proposals shall be signed by an authorized representative of the offeror. All information requested should be submitted. Failure to submit all information requested may result in HACL requiring prompt submission of missing information. Proposals which are substantially incomplete or lack key information may be rejected by HACL or given lowered evaluation of the proposal. Mandatory requirements are those required by law or regulation or are such that they cannot be waived or subject to negotiation.
 2. Proposals should be prepared simply and economically, providing a straightforward, concise description of capabilities to satisfy the requirements of the IFB. Emphasis should be placed on completeness and clarity of content.
- C. Oral Preparation: Offerors who submit a proposal in response to this IFB may be required to give an oral presentation of their proposal to HACL. This provides an opportunity for the Offeror to clarify or elaborate on the proposal. This is a fact finding and explanation session only and does not include negotiation. HACL will schedule the time and location these presentations. Oral presentations are an option of HACL and may or may not, be conducted.
- D. Specific Proposal Instruction: Proposals should be as thorough and detailed as possible so that the HACL may properly evaluate your capabilities to provide the required goods/services.

Offerors are required to submit the following items as a complete proposal:

1. Return the IFB cover sheet and all addenda acknowledgments, if any, signed and filled out as required. Provide information that the person signing the IFB is authorized to bind the firm(s).
2. All HUD Forms, Statement of Offeror's Qualification, attachments to the IFB, and other specific items or data requested in the IFB. A certificate of insurance (or other evidence of insurance satisfactory to RRHA) as to the professional liability insurance requirements.
3. A complete detailed resume of the Offeror (including, but not limited to, a summary of the staff members that will be supervising the workers) and other relevant information which would demonstrate the capacity, resources, experience and expertise of the Offeror in performing the above described services.
4. A list of at least four (4) references where the Offeror has performed similar services, including, without limitation references from public housing agencies and/or other governmental clients. Include the names, addresses and telephone numbers of the contact person for each reference as well as a brief description of the services performed.

B. IFB Requirements and Conditions

1. Minimum Requirements. This IFB sets forth the minimum requirements that all submissions shall meet. Failure to submit proposals in accordance with this request may render the proposal unacceptable.
2. Cost of the Proposal. All costs incurred, directly or indirectly, by the Respondent in response to and in preparation of this IFB shall be the sole responsibility of the Respondent and shall be borne by the Respondent. Proposers shall not include any such expenses as part of their proposals.
3. Clarification to Proposals. The HACL reserves the right to obtain clarifications of any point in a company's proposal or to obtain additional information necessary to properly evaluate a particular proposal. Failure of a proposer to respond to such a request for additional information or clarification could result in rejection of the company's response or responses. HACL may conduct interviews with one or more agencies for such purposes.
4. Cancellation of the IFB. The HACL reserves the right to cancel this IFB at any time, for any reason, and without liability if cancellation is deemed to be in the best interest of the HACL. The

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

proposer assumes the sole risk and responsibility for all expenses connected with the preparation of its proposal.

5. Collusion. Proposer, by submitting a proposal, hereby certifies that no officer, agent, or employee of the HACL has a pecuniary interest in this Proposal; that the Proposal is made in good faith without fraud, collusion, or connection of any kind with any other proposer; and that the proposer is competing solely in its own behalf without connection with, or obligation to any undisclosed person or company.
6. Insurance Requirements
 - 6.1 All contractors and/or professional firms must submit verification of coverage for \$1,000,000 General Liability and applicable Workmen's Compensation coverage with HACL designated as an additional insured for said project prior to the award of Contract.
 - 6.2 Proof of Insurance, shall not be terminated or expire without thirty (30) days written notice, and are required to be maintained in force until completion of the contract. The Contractor shall require all subcontractors or subconsultants used in the performance of this contract to name HACL as an additional insured. Following are the standard types and minimum amounts.
 - 6.3 The contractor shall carry all necessary, and required Insurances, as required by the state of North Carolina, including but not limited to:
 - 6.3.1 Comprehensive Commercial General Liability, coverage shall have minimum limits of \$1,000,000 general aggregate, products / completed operations aggregate, personal and advertising injury and each occurrence. This shall include premises and operations, independent contractors, products and completed operations, broad from property damage, XCU coverage and contractual liability. Coverage shall be written on an occurrence basis.
 - 6.3.2 Commercial Automobile Liability, coverage shall have a minimum limit of \$1,000,000 per occurrence combined single limit for bodily injury liability ND PROPERTY DAMAGE LIABILITY. This shall include: owned vehicles, hired and non-owned vehicles and employee non-ownership. Within North Carolina Financial Responsibility laws.
 - 6.3.3 Worker's Compensation Insurance, coverage to apply for all employees and for statutory limits in compliance with the applicable state and federal laws. The policy must include employers' liability with a limit of \$100,000 each accident, \$100,000 bodily injury by disease each employee and \$500,000 bodily injury by disease policy limit.
 - 6.4 Failure to provide proof of insurance or failure to maintain insurance as required in this bid, or by law; are grounds for immediate termination of the contract. In addition, the awarded bidder should be liable for all re-procurement costs and any other remedies under law. The Contractor shall provide a certification of Liability Insurance and Workers Compensation.
7. Indemnification. The Contractor agrees to indemnify, defend and hold harmless HACL and its authorized officers, employees, agents and volunteers from any and all claims, actions, losses, damages, and/or liability arising out of this IFB or subsequent contract from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by HACL on account of any claim therefore, except where such indemnification is prohibited by law.
8. Suspension/Debarment. The Contractor shall provide a certification statement that the firm is 7 not debarred, suspended, or otherwise prohibited from professional practice by any Federal, State, or Local agency.
9. Americans with Disabilities Act. Proposer must comply with all applicable requirements of federal and state civil rights law and rehabilitation statues.
10. Choice of Law. The resulting contract will be entered into within the State of North Carolina and the law of said state, whether substantive or procedural, shall apply to the contract, and all statutory, charter and ordinance provisions that is applicable to public contracts within Robeson County and the state of North Carolina shall be followed with respect to the contract.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

11. Award of Contract. A committee of staff selected by the Executive Director will evaluate the bids that are received. All bids will be evaluated on the evaluation criteria and responsiveness to the Scope of Work as stated in this IFB.
12. Payment of contractor/consultant fees. Upon award and execution of contract, the successful respondent shall submit an invoice to HACL. Invoicing and payments shall be made to the contractor in accordance with the policies and procedures of the Agency.

C. Evaluation and Award Criteria

1. The apparent low bid will be evaluated. Should the low bid exceed the project budget, this is the time HACL would apply any “deduct alternates” that may be noted in the Invitation for Bid.
2. The next step will be to evaluate the low bid for responsiveness.
3. To be considered a responsive bid, the Contracting Officer should review the low bid to be sure the bidder did not alter the specifications or any other terms/conditions (delivery schedules, payment terms).
4. If the bid is determined to be non-responsive, the bid must be rejected and the next lowest bid reviewed for responsiveness. A responsive bid is one that conforms exactly to the requirements in the bid.
5. The third step on the evaluation process is to determine if the low bidder is responsible. This will be determined by the bidder having technical and financial capacity to secure the necessary resources to deliver the goods and services.

D. IFB Rights and Conditions

1. Right to reject, waive, or terminate the IFB. Reject any or all bids, to waive any formality in the IFB process, or to terminate the IFB process at any time, if deemed by the Agency to be in its best interest.
2. Right to Not Award. Not award a contract pursuant to this IFB.
3. Right to Terminate. Terminate a contract awarded pursuant to this IFB, at any time for its convenience upon 10 days written notice to the successful proposer.
4. Right to Determine Time and Location. Determine the days, hours and locations that the Contractor shall provide the services called for in this IFB.
5. Right to Retain Bids. Retain all bids submitted and not permit withdrawal for a period of 60 days subsequent to the deadline for receiving proposals without the written consent of the Agency Contact Person.
6. Right to Award. To make an award to the same bidder (aggregate) for all items; to make an award to multiple bidders (including joint venture proposals) for the same or different items; to select a respondent(s) for specific purposes or for any combination of specific purposes; or, to defer the selection and award of any respondent(s) to a time of the HACL’s choosing.
7. Right to Reject any Proposal. Reject and not consider any proposal that does not, in the opinion of HACL, meet the requirements of this IFB, including but not necessarily limited to incomplete proposals and/or proposals offering alternate or non-requested services.
8. No Obligation to Compensate. Have no obligation to compensate any Offeror for any costs incurred in responding to this IFB.
9. Right to Interview. Request an oral interview with, and additional information from, companies prior to final selection of a provider. (NOTE-If an oral interview is requested, respondent will be given at least three (3) business days’ notice, along with the date, time and place for the interviews. Expenses will be the responsibility of the respondent.)
10. Right to Consider. Consider information about a company in addition to the information submitted in the response or interview.

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

11. Right to Prohibit. At any time during the IFB or contract process to prohibit any further participation by a proposer or reject any proposal submitted that does not conform to any of the requirements detailed herein. By downloading this document, or by contacting the Agency Contact Person and requesting a bid packet, each prospective proposer is thereby agreeing to abide by all terms and conditions listed within this document and within the noted Internet System, and further agrees that he/she will inform the Agency Contact Person in writing within 5 days of the discovery of any item listed herein or of any item that is issued thereafter by the Agency that he/she feels needs to be addressed. Failure to abide by this time frame shall relieve the Agency, but not the prospective proposer, of any responsibility pertaining to such issue.

XII. PRE-BID CONFERENCE/SITE TOUR

A pre-bid conference and site tour will be scheduled for Tuesday, November 24, 2020 at 2:00pm. Participants will meet at HACL's main office, 407 N Sycamore Street, Lumberton, NC 28358. All bidders are encouraged to attend the pre-bid conference and visit the sites. Question must be submitted to Barbie J. Hunt, Capital Funds and Special Projects, by email Bhunt@hacl014.com no later than Tuesday, December 1, 2020 at 12:00pm.

XIII. METHOD OF PAYMENT

Such estimates shall be submitted no later than 10 days in advance.

The following HUD forms shall be submitted by the Contractor for monthly payment.

- HUD-51000 Schedule of Amounts for Contract Payments.
- HUD-51001 Periodic Estimate for Partial Payment
- HUD-51002 Schedule of Change Order
- HUD-5372 Construction Progress Schedule
- HUD-51003 Schedule of Materials Stored
- HUD-51004 Summary of Materials Stored

XIV. PRICING SCHEDULE – as per HUD Form 51000

XV. ATTACHMENTS

ATTACHMENT B

BID BOND

KNOW ALL MEN BY THESE PRESENT THAT _____ as principal, and _____, as surety, who is duly licensed to act as surety in North Carolina, are held and firmly bound unto the State of North Carolina through _____ as obligee, in the penal sum of _____ DOLLARS, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed, sealed and dated this _____ day of _____ 20_____.

WHEREAS, the said principal is herewith submitting proposal for and the principal to file this bid bond in lieu of making the cash deposit as required by G.S. 143-129.

NOW, THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION is such, that if the principal shall be awarded the contract for which the bid is submitted and shall execute the contract and give bond for the faithful performance thereof within ten days after the award of the same to the principal, then this obligation shall be null and void; but if the principal fails to so execute such contract and give performance bond as required by G.S. 143-129, the surety shall, upon demand, forthwith pay to obligee the amount set forth in the first paragraph hereof. Provided further, that the bid may be withdrawn as provided by G.S. 143-129.1.

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT C

PERFORMANCE BOND

Date of Contract: _____

Date of Execution: _____

Name of Principal

(Contractor): _____

Name of Contracting

Body: _____

Amount of Bond: _____

Project: **HACL-2020-024 / Roof Replacement for Weaver Court, Rozier Homes and Eastwood Terrace**

KNOWN ALL MEN BY THESE PRESENTS, that we, the principal and surety above named, are held and firmly bound unto the above named contracting body, hereinafter called the contracting body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind, ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the contracting body, identified as shown above and hereto attached:

NOW, THEREFORE, if the principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the contracting body, with or without notice to the surety, and during the life of any guaranty required under the contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modification to the surety being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Executed in _____ counterparts.

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

Witness:

(Proprietorship of Partnership)

Contractor: (Trade or Corporate Names)

By: _____

Attest: (Corporation)

Title: _____
(Owner, Partner, or Corp. Pres. Or Vice Pres. Only)

By: _____

Title: _____
(Corp. Sec. or Asst. Sec., only)

(Corporate Seal)

Witness:

(Surety Company)

By: _____

Title: _____
(Attorney in Fact)

Countersigned:

(Surety Corporate Seal)

(N.C. Licensed Resident Agent)

Name and Address-Surety Agency

Surety Company Name and N.C. Regional
or Branch Office Address

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT D

PAYMENT BOND

Date of Contract: _____

Date of Execution: _____

Name of Principal

(Contractor): _____

Name of Contracting

Body: _____

Amount of Bond: _____

Project: **HACL-2020-024 / Roof Replacement for Weaver Court, Rozier Homes and Eastwood Terrace**

KNOWN ALL MEN BY THESE PRESENTS, that we, the principal and surety above named, are held and firmly bound unto the above named contracting body, hereinafter called the contracting body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind, ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the contracting body, identified as shown above and hereto attached:

NOW, THEREFORE, if the principal shall promptly make payment to all persons supplying labor/material in the prosecution of the work provided for in said contract, and any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Executed in _____ counterparts.

Witness:

(Proprietorship of Partnership)

Contractor: (Trade or Corporate Names)

By: _____

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

Attest: (Corporation)

**Title: _____
(Owner, Partner, or Corp. Pres. Or Vice Pres. Only)**

By: _____

**Title: _____
(Corp. Sec. or Asst. Sec., only)**

(Corporate Seal)

Witness:

(Surety Company)

By: _____

**Title: _____
(Attorney in Fact)**

Countersigned:

(Surety Corporate Seal)

(N.C. Licensed Resident Agent)

Name and Address-Surety Agency

**Surety Company Name and N.C. Regional
or Branch Office Address**

ATTACHMENT E

BID PROPOSAL FORM

1. The undersigned, having familiarized themselves with the local conditions affecting the cost of the work, and the Project Scope (including this Proposal, the form of Non-Collusive Affidavit, the form of Contract, the General Conditions, the Special Conditions, and the General Scope of Work, if any thereto, and on file in the office of the Housing Authority of the City of Lumberton (HACL), hereby proposes to construct and complete all listed concrete repairs and replacement, Job Number **HACL-2020-024** all in accordance therewith, for the detailed and total sum of:

TOTAL CONTRACT SUM OF: _____ (\$_____)

_____ **Initial here if claiming Section 3 contractor status**

(See Supplemental Instructions to Bidders Paragraph 1 with Applicable Attachments)

2. In submitting this proposal, it is understood that the right is reserved by the HACL to reject any and all proposals. If written notice of the acceptance of this proposal is mailed, telegraphed or delivered to the undersigned within thirty (30) days after the opening thereof, or at any time thereafter before this proposal is withdrawn, the undersigned agrees to execute and deliver a contract in the prescribed form and furnish the applicable insurance in the name of HACL prior to the contract is presented to him/her for signature.
3. Attached hereto is an affidavit (Non-Collusive Affidavit) in proof that the undersigned has not entered into any collusion with any person in respect to this proposal or any other proposal of the submitting of proposals for the contract for which this proposal is submitted.
4. Submitter must pay applicable wage rates at the hourly rate listed plus fringe benefits equal or more than the amount listed. If no fringe benefits are provided, the listed fringe amount must be added to the hourly rate to be paid on the project.

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

DATE: _____, 20____

BY: _____
(Signature)

TITLE: _____

Official Address: _____

PHONE: _____

FAX: _____

EMAIL: _____

ATTACHMENT F

STATEMENT OF OFFEROR'S QUALIFICATION

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he desires.

1. Name of Bidder.
2. Permanent main office address, including City, State, Zip Code, Phone Number, and Fax Number.
3. When Organized?
4. If incorporated, where incorporated?
5. How many years have you been engaged in business under your present firm or trade name?
6. Contracts on hand: (Schedule these, showing gross amount of each contract and the appropriate anticipated dates of completion). See attached.
7. General character of work performed by your company.
8. Has the bidder/offeror ever failed to complete any work awarded to your firm? If so, where and why?
9. Has your firm ever defaulted on a contract? If so, where and why?
10. List the more important contracts recently completed by your firm, stating approximate gross cost for each, and the month and year completed.
11. List your major equipment available for the performance of this Contract.
12. Describe your firm's experience in work similar in nature to this project. Provide a listing of at least three (3) current or recent accounts, either commercial or government that your company is services, has serviced, or has provided similar services. Include a short description of the project, timeline, and dollar value. Also provide contact information including the company name, contact person name, telephone number and email address.

a. Project Description: _____

Timeline/Dates of Services: _____

Dollar Value: _____

Company Name: _____

Contact Person Name: _____

Contact Person Phone: _____

Contact Person Email: _____

STATEMENT OF OFFEROR’S QUALIFICATION, CONT.

b. Project Description: _____

Timeline/Dates of Services: _____

Dollar Value: _____

Company Name: _____

Contact Person Name: _____

Contact Person Phone: _____

Contact Person Email: _____

c. Project Description: _____

Timeline/Dates of Services: _____

Dollar Value: _____

Company Name: _____

Contact Person Name: _____

Contact Person Phone: _____

Contact Person Email: _____

13. List the background and experience of the principal members of your organization including the officers.
14. Has your firm ever been a party to or otherwise involved in any action or legal proceedings involving matters related to allegations of discrimination based on race, color, nationality, sex, or religion? If so, give full details.
15. Has your firm ever been accused of discrimination based upon race, color, nationality, sex, or religion in any action or legal proceeding, including any proceeding, including any proceeding related to any Federal Agency? If so, give full details.
16. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by in verification of the recitals comprising this Statement of Bidder’s Qualifications.

STATEMENT OF OFFEROR’S QUALIFICATION, CONT.

Dated at this ___ day of _____, 20__.

_____ (Name of Contractor)

By: _____

Title: _____

State of _____)

) ss.

County of _____)

_____, being duty sworn, deposes and says he is

(Title)

Of _____ and that the answers to the foregoing

questions and all statements therein contained are true and correct.

Subscribed and sworn before me this ___ day of _____, 20__

My Commission Expires _____

- A. HUD Form 5369 – Instructions to Offerors
- B. HUD Form 5370 – General Conditions for Construction Contracts
- C. Non-Collusive Affidavit
- D. HUD Form 2992 – Certification Regarding Debarment and Suspension
- E. General Wage Decision NC - Residential

ATTACHMENT G

NC AFFIDAVIT OF COMPLAINE E-VERIFY

STATE OF NORTH CAROLINA
COUNTY OF ROBESON

AFFIDAVIT of COMPLIANCE
with N.C. E-Verify Statutes

I, _____ (hereinafter the "Affiant"), duly authorized by and on behalf of, _____ (hereinafter the "Employer"), after being first duly sworn deposes and says as follows:

1. I am the _____ (President, Manager, CEO, etc.) of the Employer and possess the full authority to speak for and on behalf of the Employer identified above.
2. Employer understands that "E-Verify" means the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hire employees pursuant to federal law.
3. _____Employer employs 25 or more employees in the State of North Carolina, and is in compliance with the provisions of N.C. Gen. Stat. 564-26. Employer has verified the work authorization of its employees through E-Verify and shall retain the records of verification for a period of at least one year.
4. _____Employer employs fewer than 25 Employees and is therefore not subject to the provisions of N.C. Gen. Stat. S64-26.
5. All subcontractors engaged by or to be engaged by Employer have or will have likewise complied with the provisions of N.C. Gen. Stat. 564-26.
6. Employer shall keep the Housing Authority of the City of Lumberton informed of any change in its status pursuant to Article 2 of Chapter 64 of the North Carolina General Statutes.

Further this affiant sayeth not.

This _____ day of _____ year of 20____.

Affiant: _____

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me, _____ day of _____ of 20____.

Notary Public _____

My commission expires: _____

[SEAL]

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT H

HUD Form 5369 – INSTRUCTIONS OR OFFERORS

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT I

HUD Form 5369-A – REPRESENTATION CERTIFICATION STATEMENT

ATTACHMENT J

SAM.gov REGISTRATION

The System for Award Management (SAM) is an official website of the U.S. government.

There is no cost to use SAM.

SAM Registration Benefits

SAM registration incorporates all government contractor information into one system. Contractors and vendors can register, file representations and certifications, and search for contracting opportunities from one location. A contractor enters information once, which reduces the risk of duplicating or entering conflicting information.

To register you will need to complete the process at SAM.gov

You will need to provide the following information:

- a. Legal name of your business entity
- b. Address
- c. Phone number
- d. Name of the CEO or business owner
- e. Legal structure or type of business (corporation, partnership, proprietorship, etc.)
- f. Year the entity was created
- g. Primary line of business
- h. Total number of employees (full-and part-time)

If you are registered, update or renew your entity registration

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT K

HUD Form 5370-EZ – General Conditions for Small Construction/Development Contracts

ATTACHMENT L

NON-COLLUSIVE AFFIDAVIT

State of _____)

County of _____)

being
first duly sworn, deposes and says that:

(1) He is _____
(Owner, Partner, Officer, Representative or Agent)

Of _____, the offeror that has
submitted
the attached proposal;

(2) He/She is fully informed respecting the preparation and contents of the attached bid and all pertinent
circumstances respecting such proposal;

(3) Such proposal is genuine and is not a collusive or sham proposal;

(4) Neither the said offeror nor any of its officers, partners, owners, agents, representatives, employees or parties
in interest including the affidavit has in any way colluded, conspired, connived, or agreed, directly or indirectly
with any other offeror, firm or person to submit a collusive or sham bid in connection with the contract for which
the attached proposal has been submitted or to refrain from offering in connection with
such contract, or has in any manner directly or indirectly, sought by unlawful agreement or collusion or
communication or conference with any other offeror, firm, or person to fix the price or prices in the bid price
or any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any
advantage against the Housing Authority of the City of Lumberton or any person interested in the proposed
contract; and

(5) The price or prices in the attached bid are fair and proper and are not tainted by any collusion, conspiracy,
connivance or lawful agreement on the part of the bidder or any of its agents, representatives, owners, employees,
or parties in interest, including this affiant.

(Name)

(Title)

This ____ day of _____ 20 ____

My Commission
Expires _____

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT M

HUD Form 2992 – CERTIFICATION REGARDING DEBARMENT AND SUSPENSION

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT N

HUD Form 51000 – SCHEDULE OF AMOUNTS FOR CONTRACT PAYMENTS

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT O

HUD Form 51001 – PERIODIC ESTIMATE FOR PARTIAL PAYMENT

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT P

HUD Form 51002 – SCHEDULE OF CHANGE ORDER

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT Q

HUD Form 5372 – CONSTRUCTION PROGRESS SCHEDULE

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT R

GENERAL WAGE DECISION NC20200096

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT S

US DEPARTMENT OF LABOR CERTIFIED PAYROLL FORM

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT T

HACL VENDOR PACKET

HACL-2020-024

Roof Replacement – Weaver Court, Rozier Homes, and Eastwood Terrace

ATTACHMENT U

SECTION 3 CERTIFICATION PACKET