

INVITATION TO BID

Proposals are invited by the owners for rehabilitation work on the property specified below:

Project Address: 39 Baron Lane
Torrington CT 06790

Proposals will be received until 9:15 a.m. on Wednesday, August 31, 2011 at which time they will be opened. Proposals will be delivered to:

City of Torrington
Purchasing Department, Room 206
140 Main Street
Torrington CT 06790

Copies of the Project Specifications and further information may be obtained from City of Torrington, Purchasing Department, Mon. – Wed. from 9:00 a.m. to 4:00 p.m., Thurs. from 8:30 a.m. to 6:30 p.m., and Fri. from 8:30 a.m. to 12:30 p.m. (Project #: 143-303)

Bidders must estimate their proposal by inspection of the above noted structure. A mandatory pre-bid conference will be held at the following location and time:

PRE-BID Wednesday, August 24, 2011
9:30 a.m.
39 Baron Lane
Torrington CT 06790

The above work includes: Roofing

AN AFFIRMATIVE ACTION / EQUAL OPPORTUNITY EMPLOYER
WBE / MBE / SBE AND SECTION 3 DESIGNATED CONTRACTORS
ARE ENCOURAGED TO APPLY

INSTRUCTIONS TO BIDDERS

Mail or deliver this entire completed bid package in a sealed envelope to be received no later than 9:15 a.m. on Wednesday, August 31, 2011

TO: City of Torrington
Purchasing Department
140 Main Street
Torrington CT 06790

To be noted on outside of envelope:

DO NOT OPEN UNTIL 9:15 a.m. on Wednesday, August 31, 2011

Project No. 143-303
39 Baron Lane
Torrington CT 06790

THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE ABOVE SITE AT:
9:30 a.m. on: Wednesday, August 24, 2011

NOTE: CONTRACTOR IS TO SUBMIT THIS ENTIRE BID PACKAGE. ALL BIDS MUST BE FILLED OUT COMPLETELY. IT IS SUGGESTED THAT CONTRACTORS RETAIN A COPY OF THIS ENTIRE BID PACKAGE.

ALL BIDS SHALL REMAIN IN EFFECT FOR THIRTY (30) CALENDAR DAYS AFTER THE RECEIPT OF BIDS.

CONTRACTOR'S BUSINESS NAME: _____

(PLEASE PRINT)

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
WBE / MBE / SBE AND SECTION 3 DESIGNATED CONTRACTORS
ARE ENCOURAGED TO APPLY

CITY OF TORRINGTON
SCOPE OF WORK, PART 1, GENERAL CONDITIONS

OWNER: David Randall
ADDRESS: 39 Baron Lane
Torrington CT 06790

PROJECT: 143-303

1. The Contractor, unless otherwise specified, shall provide all labor, materials, tools, equipment, and related items, and pay all necessary taxes, fees, and permits necessary to complete all of his work as detailed on the attached scope of work.
2. All rehabilitation, alterations, repairs, or extensions shall be in compliance with all applicable codes of the Municipality. All electrical, heating, and plumbing work shall comply with the rules and regulations of the National, State and Local Codes. Before commencing work, contractors and/or subcontractors shall obtain all necessary permits.
3. The Contractor certifies that he has familiarized himself with the requirements of the specifications and plans and understands the extent and character of the work to be done, and inspected the premises and given his full attention to any and all areas with which he might become specifically involved. He must familiarize himself with all conditions relating to and affecting his work and bid.
4. The selected Contractor must, prior to contract signing, supply the City of Torrington and the Owner with the original certificates of insurance for general liability, auto liability, and worker's compensation, as applicable. General liability insurance shall be a broad form contractual endorsement with minimum limits of one million (\$1,000,000.00) dollars per occurrence for bodily injury and five hundred thousand (\$500,000.00) dollars per occurrence for property damage. Auto Liability insurance shall cover hired and non-hired autos in accordance with State law. Workers' Compensation Insurance shall have a minimum limit of one hundred thousand (\$100,000.00) dollars for each accident. The Contractor shall indemnify and save harmless the Owner and the City of Torrington under these policies. The contractor shall name the City of Torrington, its agents and the Owner as additional insured as their interests may appear on the General Liability Insurance.
5. The Contractor agrees that all services offered by the Municipality through L. Wagner & Associates, Inc. (hereinafter referred to as the "Consultant"), which may affect the Contractor, are offered by the Municipality in order to assist in the project implementation and the necessary program compliance. The Contractor agrees to, upon review and acceptance of such services provided, indemnify, defend, save and hold harmless the Municipality and Consultant, their officers, agents and employees from and against any and all damage, liability, loss, expense, judgment or deficiency of any nature whatsoever (including, without limitation, reasonable attorney's fees and other costs and expenses incident to any suit, action or proceeding) incurred or sustained by Municipality or consultant which shall arise out of or result from consultant's performance in good faith of services pursuant to the Professional Services Contract. The Contractor agrees that the Consultant shall not be liable to the Contractor, its heirs, successors or assigns, for any act performed within the duties and scope of employment pursuant to Professional Services Contract.

6. All materials shall be new and of acceptable quality. The property Owner shall select all colors, models, etc. All materials and work must be applied in accordance with the applicable manufacturer's latest instructions and specifications, and in accordance with Federal prohibitions against the use of lead paint. All manufacturers' warranties are to be extended to the property Owner free and clear of all liens. Unless otherwise specified, all labor, material, and workmanship provided by the Contractor shall be guaranteed by the Contractor for a one (1) year period from the date of the Certificate of Completion. This guarantee shall be in addition to and not in limitation of, in lieu of, or modify any other guarantee that is due the property Owner from any manufacturer.
7. The Contractor shall repair or replace all work, materials, and equipment which are found to be defective during construction and the guarantee period. Repair shall include all damage to surrounding work caused by the failure and/or necessary for the repair or replacement of the defect. All repairs and replacements shall be performed at no additional expense to the Owner and shall be completed promptly after the Contractor receives notice of the defect.
8. The Contractor shall take all necessary measures and precautions to protect the surroundings from damage occurring due to performance of the work. If such damage occurs it will be repaired by the Contractor at no cost to the Owner.
9. The Contractor shall dispose of all debris and remove all material resulting from his work in accordance with local and State law. The Contractor shall police and maintain a clean and safe job site daily. He shall reinstall accessories taken down and clean up all scrap around the project and remove fingerprints. All on-site maintenance relating to the performance of the work shall be the responsibility of the Contractor until the Certificate of Completion is issued. The project shall be maintained in a habitable and safe condition daily if the project is to remain occupied.
10. All work shall be neat and accurate and done in a manner in accordance with customary trade practices.
11. The Contractor shall not make any changes to the scope of work unless a change order is processed and fully executed by the property Owner and the Program.
12. The Owner may cancel this contract by To be determined and not be liable to the Contractor or the Municipality. Should the Owner opt to cancel they must sign and send the attached cancellation notice, see Attachment A, to the Contractor, other wise the Owner shall issue a Notice to proceed authorizing the contractor to commence with the proposed improvements. Should the Notice to Proceed not be issued prior to 10 consecutive calendar days from the date of the expiration date of the right to cancel then the Contract will become Null and void.
13. The Contractor shall commence work under this contract prior to To be determined and complete the work by To be determined.

14. If the Contractor is delayed at any time in the progress of the work by any act or neglect of the Owner or by any employee of the Owner, or by any separate Contractor employed by the Owner, or by changes ordered in the work or by labor disputes, fire, unusual delay in delivery of materials, transportation, adverse weather conditions not reasonably anticipatable, unavoidable casualties, or any causes beyond the Contractor's control, or by delay authorized by the Owner pending arbitration, or by any other cause which justifies the delay, the contract time shall be extended by Change Order for such reasonable time as may be agreed upon by all parties. It shall be the responsibility of the Contractor to request and document in writing such extensions within three (3) calendar days. In the event that the Contractor does not commence or pursue the work as hereinafter stated, then the Owner shall have the right to terminate this agreement and to hire a successor Contractor to perform the work. Any such termination shall be by certified mail to the address noted in this agreement, and shall be effective as of the date of mailing. Payments by the Owner in the event of termination shall be as follows:
15. The successor Contractor shall first be paid and then the terminated Contractor. Payments to the terminated Contractor shall be limited both as to those funds remaining after payment to the successor Contractor but shall not exceed the value of the work actually performed by the terminated Contractor. Further, should the total cost for work performed under this contract exceed the amount stated in this agreement due to the Contractor's termination, then the Owner shall have a cause of action against the terminated Contractor for any such additional cost.
16. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Owner shall, thereupon, have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date of such termination. In such event, all unfinished work required by the Contractor under this Contract shall, at the option of the Owner, be completed or not.
17. The Contractor may request a maximum of To be determined progress payments as work is completed in accordance with the attached specifications. The request shall be in the form of an itemized bill for that portion of work completed by the Contractor. All requests for payment shall be accompanied by a fully executed Lien Waiver, on a form provided by the Program. Final payment is contingent upon the receipt of a signature of the respective inspector for which each permit was issued. The Contractor shall be responsible for obtaining the signatures and presenting them upon final payment.
18. All claims or disputes between the Owner and Contractor arising out of or related to the work shall be resolved in accordance with Construction industry arbitration rules of the American Arbitration Association (AAA), unless the parties mutually agree otherwise. The Owner and Contractor shall submit all disputes or claims, regardless of the extent of the work's progress, to AAA. Notice of the demand for arbitration shall be filed in writing, with a copy to the other party to this Construction Agreement, and shall be made within a reasonable time after the dispute has arisen. The award rendered by the arbitrator shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof. If the arbitrator's award is in a sum which is less than that which was offered in settlement by the Owner, the arbitrator may award costs and attorney's fees in favor of the Owner.

If the award of the arbitrator is in a sum greater than that which was offered in settlement by the Contractor, the arbitrator may award costs and attorney's fees in favor of the Contractor.

It is understood and agreed by the parties hereto that neither party will institute any form of legal action, including, but not limited to, attaching the assets of the other party, unless and until it has made a good faith attempt to have the dispute resolved in accordance with the provisions of this Section. Noncompliance with the conditions precedent constitutes a waiver of the right to assert said claim.

19. Section 3 of the Housing and Urban Development Act of 1968 applies to this contract if the amount of HUD assistance exceeds \$200,000 or the contract or subcontract exceeds \$100,000. The Contractor shall, to the maximum extent feasible, provide opportunities for training and employment in connection with this contract to low income persons residing in the PMSA relevant to the project location. The Contractor must make a good faith effort to fill any job vacancies and training opportunities with low income persons residing in the PMSA relevant to the project location. Where the preceding applies, contractors must comply with the following Section 3 Clause:
 - A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1791u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
 - B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.
 - C. The Contractor agrees to send to each labor organization or representative of workers with which the Contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers representative of the Contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference shall set for the minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking application for each of the positions; and the anticipated date the work shall begin.

- D. The Contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The Contractor will not subcontract with any subcontractor where the Contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.
 - E. The Contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the Contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the Contractor's obligations under 24 CFR part 135.
 - F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
20. The Contractor will not discriminate against any employee or applicant for employment because of race, color, creed, religion, sex, sexual preference, national origin, or mental or physical disability during the performance of this agreement. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship, without regard to their race, color, creed, religion, sex, sexual preference, national origin or mental or physical disability. This provision will be inserted in all subcontracts for work covered by this agreement.
21. In the event of the Contractor's noncompliance with this equal opportunity clause or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further contracts in accordance with procedures authorized in Presidential Executive Order 11246, or by rule, regulations, or order of the Secretary of Labor or as provided by law.
22. The following applies to all contracts of \$10,000.00 or more: SECTION 402 VETERANS OF THE VIETNAM ERA. AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA. The Contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veteran status in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship.

23. The premises herein shall be occupied during the course of the construction work.
24. No officer, employee or member of the Governing Body of the City of Torrington shall have any financial interest, direct or indirect, in this contract or the proceeds of this loan.
25. The Owner and/or City retains the right to reject any or all bids or any part of any bid in part or in whole if deemed to be in the best interest of the Owner and/or City.
26. Substitutions of materials from that specified are only allowed on an approved/equal basis. The Contractor must submit written documentation of the substitute item or material for approval by the Owner and Program prior to making such substitution. Any items or material substituted by the Contractor without prior written approval of the Owner and Program will at Contractor's expense be replaced if it is determined not to be equal to the item or material specified. Any surrounding, adjoining, or dependent items affected by replacement of unequal substituted material shall also be replaced, reworked, and reinstalled at no cost to the Owner.
27. Bids shall contain prices for general categories of work and/or items as specified on the attached sheets. In the event of a discrepancy between prices listed in the specifications and those on the cost summary sheet, the prices listed on the specification for that section shall prevail. In the case of a mathematical error by the Contractor, the correct sum of the individual line items in the specifications (not in the cost summary) shall be the Contractor's bid.
28. All bids shall remain in effect for thirty (30) calendar days.
29. The Owner will supply all necessary power required by the Contractor at no additional cost to complete his work. Power shall be limited to the use of existing outlets and shall not exceed the existing capacity of the system. Power required over the capacity of the existing electrical system shall be the responsibility of the Contractor. Heating during construction shall be supplied by the owner.
30. OTHER PROVISIONS - LEAD BASED PAINT
 - A. Any and all rehabilitation work under this Agreement will comply with the requirements of the Federal Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4831) which prohibits the use of lead-based paint in residential structures constructed or rehabilitated with Federal Assistance in any form.

The construction or rehabilitation of residential structures with assistance provided under this contract is subject to the final regulations "Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally owned Residential Property and Housing Receiving Federal Assistance". The regulation is at 24 CFR Part 35. It implements sections 1012 and 1013 of the Residential Lead-Based Paint Hazard Reduction Act of 1992, Title X, of the Housing and Community Development Act of 1992. Sections 1012 and 1013 amend the Lead-Based Paint Poisoning Prevention Act of 1971.

Provided, however, that the Owner shall have sole responsibility for assuring that his property conforms to the Lead-Based Paint Removal Requirements and the Program shall not assume any liability whatsoever as a result of identifying volatile levels of Lead-Based Paint or its removal except insofar as to comply with applicable environmental regulations.

PUBLIC LAW 91-695 "LEAD-BASED PAINT POISONING PREVENTION ACT"
The Contractor shall adhere strictly to the provisions of the "Lead-Based Paint Poisoning Prevention Act". Specifically, the Contractor will not utilize lead-based paint as a finish or undercoat or any other use in or out of residential dwellings funded in whole and/or part by the Federal Government.

31. The specifications and drawings, if any, are complimentary. Work described in the specifications does not necessarily have to appear on the drawings, nor does work described on the drawings necessarily have to appear in the specifications. The Contractor is responsible for estimating all work whether described in the specifications, the drawings, or both. If there is a discrepancy between the drawings and the specifications, the specifications shall prevail. All work, whether described in the specifications, or the drawings is to be included in the bid summary sheet by appropriate line item. The contract will only be awarded to general Contractors bidding on ALL line items.

General Construction Notes

1. The Contractor shall perform the work to accommodate to the greatest extent reasonable the normal use of the premises by the Owner during the construction period.
2. It is the Owners intention to proceed with the dwelling occupied during the entire construction project. Coordinate with the Owner in all construction operations to minimize conflict, and to facilitate the Owner usage of the dwelling, parking, and access to the building.
3. All Lead Based Paint Hazard Reduction work shall be performed in accordance with 24 CFR Part 35, requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance. Final Rule subpart J Rehabilitation and applicable rules and regulations.
4. The Contractor shall maintain containment within the work area when performing lead based paint reduction activities as required, until such time as clearance is received.
5. The Contractor shall coordinate any and all short-term interruptions or shutdowns with the Owner prior to commencing.
6. The Contractor shall take every precaution to ensure the safety of the occupants during all phases of construction. The Contractor shall to the greatest extent reasonable maintain a least one exit for access. Coordinate restrictions and closures with Owner.
7. The Contractor shall be responsible for protecting the dwelling and contents from weather and damage during construction, and shall be responsible for the repair and or replacement of any damage to the building and or contents until completion of the contract.
8. The Contractor shall assume full responsibility for the protection and safekeeping of his materials and products under this Contract stored on the site. The Contractor shall move any stored products under the Contractor's control which interfere with operations of the Owner, and tenants.

Project Meetings

1. The selected Contractor shall attend a contract signing meeting as scheduled by the Owner, and Consultant.
2. The selected Contractor shall attend periodic job meetings during the course of construction, on site, as required.

Product and Execution

1. Workers shall be experienced and skillful in performing the work assigned to them.
2. Contractor shall verify critical dimensions, operations and functions in the field before ordering or fabricating items which must fit adjoining construction. The Contractor shall verify all existing conditions and dimensions prior to the work. Any and all discrepancies shall be reported to the Owner and Consultant prior to ordering any materials or performing the work.
3. The Contractor shall follow manufacturer's instructions for assembly, installation and product adjustment. In the event of conflicting specifications the specifications of the manufacturer shall prevail.
4. In the event unforeseen circumstances the Contractor shall notify the Owner and Consultant within three days of discovery. If the work is deemed additional or extra by the Consultant then a change order will be negotiated, executed and authorized by the Contractor, Owner and Consultant prior to the commencement of the work. Any work performed prior to the execution of a change order may or may not be considered for payment.
5. The specifications do not attempt to detail every task and procedure required to perform the work in full. The Contractor shall perform the work as required to complete the work in a professional manner using customary trade practices and standard work practices.

Removal of Debris and Site Maintenance

1. The contractor shall include in their bid the cost of trash containers and the removal and lawful disposal of said debris off site.
2. The Contractor shall coordinate with the Owner for the placement of trash containers if necessary prior to the start of demolition.
3. The Contractor shall be responsible for the daily clean up and maintenance of the site. All debris, construction materials, scrap, rubbish etc. shall be placed in a trash container or dumpster on a daily basis. Sidewalks, driveways and pedestrian ways shall be broom swept at the end of each day.

Material Delivery, Storage and Handling

1. The Contractor shall determine and comply with manufacturer's recommendation on product handling, storage installation and protection.
2. Products shall be delivered to the job site in their manufacturers' original containers, with labels intact and legible. Do not deliver materials to job site until they can be properly protected.
3. Maintain packaged materials with seals unbroken and labels intact until time of use.
4. The Owner and or Consultant may reject materials and products which do not bear identification satisfactory to the Owner or Consultant

Submittal

The following list of submittals is for the convenience of all parties concerned it is not necessarily a complete list of all submittals required.

1. Submit the following before the start of work:
 - a. Copy of building permit.
 - b. Construction schedule.
 - c. Material submittals if not using materials as specified.
2. Submit the following during the course of work:
 - a. Name & address of all subcontractors
 - b. Signed and notarized lien waivers from first tier subcontractors and suppliers.
3. Submittals before Certificate of Completion and final payment.
 - a. Certificate of Occupancy or acceptance of work from local Building Official.
 - b. All warranty and guarantee information
 - c. Signed and notarized lien waivers from first tier subcontractors and suppliers.

Warranties and Guarantees

1. The Contractor shall issue the Owner a written Notice of Guarantee after the date of receipt of Certificate of Completion. Submit to the Owner on letterhead in the following form:
Name of Project and date
I/We, (FIRM NAME), hereby warrant, (OR GUARANTEE) (TYPE OF WORK BEING WARRANTED OR GUARANTEED) for a period of (# OF YEARS) from the date of the Certificate of Completion.

Signed
Dated

Roofing and Ventilation

General

1. Work in this section shall be governed by the Contract Documents. Contractor shall provide all materials, labor, equipment and services necessary, to perform and complete the work specified herein and or as required by job conditions.

Intent

1. The intent of the proposed work is to remove and dispose of all roofing materials from the house roofs.
2. Provide and install 30 year rated, architectural, strip type shingles including but not limited to metal rake and drip edging, ice & water shield, shingle underlayment, ridge vents, plumbing boots, and flashings.

References

1. ASTM D 224 - Standard Specifications for Smooth Surfaces Asphalt Roll Roofing
2. ASTM D226 - Standard Specifications for Asphalt Saturated Organic Felt used in Roofing & Waterproofing
3. ASTM D 3018 - Standard Specification for Class A Shingles Surfaced with Mineral Granules.
4. ASTM 3161 - Standard Test Method for Wind Resistance of Asphalt Shingles (Fan Induced Method)
5. ASTM 3462 - Standard Specification for Asphalt Shingles Made from Glass felt and Surfaced with Mineral Granules.
6. ASTM 4586 - Standard Specification for Asphalt Roof Cement, Asbestos Free
7. ASTM D4869 - Standard Specification for Asphalt – Saturated Organic Felt Shingle Underlayment used in roofing.
8. ASTM D 6757 - Standard Specifications for Inorganic Underlayment for Use with Steep Slope Roofing
9. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings.

Materials

1. Underlayment - Manufacturers recommended fiberglass reinforced asphalt-saturated roofing felt underlayment shall conform to ASTM - D226, Type 1 or ASTM D4869 type 1, such as GAF "Shingle Mate" or approved equal.
2. Laminated fiberglass - asphalt shingles. Shingles shall carry Underwriter's Laboratories labels, UL® 790 Class A Fire Resistance, UL® 997, Wind Resistance and ASTM D3462. Shingles shall be Class A, strip type, self sealing shingles equivalent to GAF Timberline HD®. Hip and ridge shingles shall be of the same manufacturer and quality. Color of shingles to be selected by Owner from manufacturer's standard color chart.
3. Fasteners - Aluminum or hot-dip galvanized, conventional roofing nails minimum 3/8" diameter head and of sufficient length to penetrate through roof decking.
4. Roof boots/ Flashing Vents - EPDM rubber-aluminum boots.
5. Ice & Water shield - GAF "Weatherwatch" leak barrier or approved equal product conforming to the requirements of ASTM D 1970. Thickness to be min. 40 mils.
6. Flashing cement - trowel grade non asbestos mineral- fibered roofing mastic ASTM D-2822 Type 1 and ASTM D-4586 Type 1, equivalent to Karnak.
7. Metal eave and rake edging - Aluminum 0.040" thick, color white.
8. Step and base flashing - Aluminum 0.040" thick, color mill finish.

Shingle Removal

1. Remove and legally dispose of existing roofing materials such as but not limited to, roof boots, roof vents, plumbing boots, flashing materials, rake and drip edge, felt paper and fasteners from roof.
2. Contractor shall remove only as much material as can be replaced in a single work day. Contractor shall be responsible for any water damage to the structure and to Owners' property as a result of inadequate protection.
3. Removal work shall be done in a manner and by such means as is necessary to protect the buildings from damage; to cause minimum interruption to activities; to avoid hazard or injury to persons or property during the entire construction project.
4. Inspect roof sheathing, if after shingle removal decking surfaces are determined to be inappropriate for installation of new roofing, Contractor shall notify the Owner & Consultant of any decking which requires replacement.

Unit Price #1: Remove existing damaged or rotted decking and install new ½" plywood decking. Provide APA exterior exposure plywood. Include all required labor and materials in cost per 4' X 8' sheet. Do not include in base bid

\$ _____ / 4 x 8 sheet

Preparation of Roof Deck

1. The contractor shall inspect the entire area to be roofed and verify it is clean and free of debris, nails, or any other item which may cause interference with the installation of the new roofing materials.
2. Install two (2) courses of ice & water shield along all eaves. Install full coverage ice & water barrier on any roof with less than a 4"/12" pitch.
3. Install full sheet of ice & water barrier centered in valleys allowing for 18" overlap onto either roof deck. Overlap minimum of 6" at head laps.
4. Install (18") eighteen inch wide strip of ice & water barrier along the rakes. Overlap and seal joints a minimum of 6".
5. Install a minimum of 18" x 18" piece of ice & water shield around any roof penetrations such as vent, hoods, plumbing stacks etc.
6. Install new metal rake and drip edge on all rakes and eaves. Fasten new metal edging every 8" on center using approved fasteners.
7. Install roofing underlayment over all roof decks to receive new roofing. Lap each course a minimum of 6" over lower course, and side lapping 4" at all joints.
8. Install underlayment on remaining areas of roof upon completion of installing ice & water barrier.

Shingle Roofing

1. Install roofing as follows:
2. Install starter course along eaves per manufacturer's written instructions.
3. Install shingles per manufacturer's written instructions. Apply six nails per full shingle. Fasten shingles at or below nailing line. Maintain six inch (6") clearance from butt end of proceeding course with any fasteners. Install shingles to meet wind zone requirements per the local building code.
4. Contractor shall provide one additional unbroken bundle of shingles identical to those installed for the Owners usage in the event of future need.

Valley

1. Valleys shall be constructed using a closed cut style installation. Install shingles as per shingle manufacturer's written instructions. Install shingles on smaller area of roof and extend a minimum of 24" beyond center of valley. Contractor shall not nail within the valley. Over lay shingles from larger area of roof over new valley shingles and cut to form straight line centered in valley.

Roof Boots

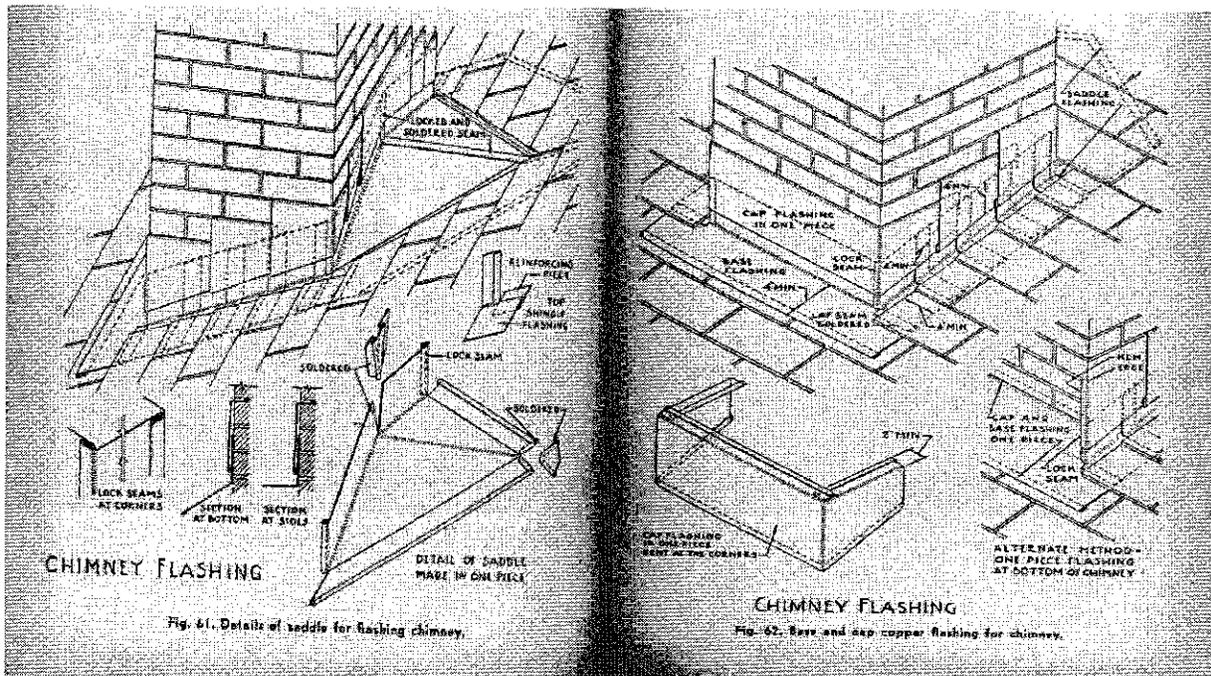
1. Replace existing roof boots and install EPDM rubber-aluminum roof boots on all plumbing vents as existing. Boot shall have soft rubber gasket.

Ridge Vent

1. Cut through roof sheathing parallel with ridge down approximately 1" on either side of ridge board.
2. Provide and install Cobra-Roll Vent or approved equal in accordance with manufacturer's installation instructions.
3. Cap over new vent with roofing manufacturers ridge cap shingles. Fasten with appropriate sized galvanized roofing nails.

Chimney Flashing

1. Reflash all existing chimneys with lead flashing, to detail in below diagram.



EPDM ROOFING (REAR HOUSE FLAT ROOF)

1. Furnish and install mechanically attached non-reinforced EPDM roofing membrane, flashing, insulation and accessories as necessary to comprise a roofing system. The EPDM products shall be installed in strict compliance to the manufacturer's most current printed installation instructions.
2. The EPDM roofing system shall be .060 inch thick minimum, non-reinforced black EPDM sheets. Install membrane over 1/2" thick insulation board with required All Purpose Bars and Fasteners.
3. Provide and install 1/2" thick high density insulation board over all roofs of main house to receive EPDM roofing.
4. Fasten insulation to decking as required utilizing fasteners and plates. Offset rows by 8" against the previous.
5. Insulation shall be cut to fit snugly around or against all penetrations, drains, pipes and walls. No gap over 3" shall exist in the insulation.
6. Contractor shall not install more insulation than can be covered and made water tight in the course of a day.

MEMBRANE INSTALLATION

1. Provide and install mechanically fastened non-reinforced EPDM roofing membrane and all accessories required to complete the roofs specified as manufactured by Mule Hide or approved equal. The EPDM products shall be installed in strict compliance to the manufacturers most current printed installation instructions.
2. The EPDM roofing material shall be .060 inch thick, 7' wide rolls of non-reinforced black EPDM sheets in either 50 or 100 foot long rolls. All Purpose Bars and Fasteners shall be used in the center of each seam. Adjoining sheets shall be overlapped a minimum of 7" and spliced with an approved adhesive or In-seam tape.
3. Unroll membrane and position without stretching. Allow membrane to relax for 30 minutes prior to installation. Remove any damaged sheets. Lap membrane a minimum of 7".
4. Install perimeter sheets parallel to each exterior roof edge and wall. Fasten perimeter sheets in the seams with the spacing of the fasteners not to exceed 12" o.c.
5. Install All Purpose bars centered in seams. Space bars according to manufacturer's specs. Do not overlap or butt bars. Position bars 12 inches back from any intersection or vertical penetration.

6. Install top sheet over lower sheet in shingle fashion so that water over seam edge and not against it.
7. All surfaces to be spliced shall be clean and dry, remove excess talc prior to seaming with seam cleaner. Material shall not have streaking when dry prior to seaming. Tape primer may be used as a substitute for seam cleaner.
8. Apply splice adhesive to cleaned surface of both sheets. Apply adhesive in a uniform thick and even coat. Do not allow adhesive to puddle to avoid fish mouths in finished seams. Apply adhesives to both surfaces at the same time to allow uniform drying time. All seams with bars shall be a minimum of 7", field sheet end laps must be a minimum of 6" wide. Allow adhesive to dry until tacky before setting material. In seam tape shall be used as well to seam laps.
9. Roll top sheet over bottom sheet without stretching. Roll out seams with steel roller. Roll out seam from inside of the seam working out over the edge of the sheet perpendicular to the direction of the seam.
10. All T-joint laps in the field membrane shall be reinforced with a 6" piece of uncured EPDM membrane centered over intersection of seam. Uncured flashing tap may be used as well. All T-joint patches shall be cleaned with seam cleaner and caulked with Lap Sealant.
11. All plumbing vents shall be flashed and sealed with new roof boot or field manufactured EPDM roof boot.

Cost: \$ _____

SITE WORK

GENERAL: This specification includes all labor, materials, taxes and permits required to perform the work described below. All work must comply with applicable building code. Coordinate with the work of other trades specified elsewhere.

A. TREE TRIMMING

1. Trim back and dispose of tree branches within five feet of all exterior house walls, and to full height of each tree.

Cost: \$ _____

I, the undersigned Contractor agree to provide all labor, material, permits, taxes, insurance, equipment and related fees, necessary to complete the work as specified above for the property located at:

39 Baron Lane
Torrington CT 06790
Project #: 143-303

All work will be performed in accordance to applicable Building and Fire Code(s).

Company Name: _____

Address: _____

Phone: _____ Fax: _____ Email: _____

FEIN or SSAN#: _____ Contractor License # _____ Exp. Date: _____

Date: _____ Print Name: _____

Signature: _____

Total Bid Amount: \$ _____

Amount Written: _____

(This information must be submitted in order to have your bid considered responsive)

Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer, that it –

(a) Is, Is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) Is, Is not a women-owned business. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) Is, Is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

- | | | |
|---|--|---|
| <input type="checkbox"/> Black Americans | <input type="checkbox"/> Asian Pacific Americans | <input type="checkbox"/> Hispanic Americans |
| <input type="checkbox"/> Asian Indian Americans | <input type="checkbox"/> Native Americans | <input type="checkbox"/> Hasidic Jewish Americans |

PROPERTY OWNER VERIFICATION

I, the undersigned Owner(s) acknowledge that I have fully read and understand the attached project specifications. I understand this to be the scope of work and the extent of the renovations to be performed at the property location shown below.

*39 Baron Lane
Torrington CT 06790
Project #: 143-303*

I understand that any revisions to these specifications changing the scope of work can be made only for unforeseen circumstances. This is for my protection and for providing a clear understanding to the contractor who will provide a quote for the proposed work.

DATE: 8-16-11 OWNER: *David Randall*
David Randall