United Community Corporation Weatherization Department

971 Clinton Ave

Irvington NJ 07111

http://www.uccnewark.org

Sealed Proposals will be received by United Community Corporation's Weatherization Department, located at 971 Clinton Ave, Irvington, NJ 07111, beginning December 1, 2026, through December 15, 2026. Proposals must be received no later than December 15, 2026, at which time they will be publicly opened and reviewed for the proper delivery of services in Essex County.

The Bid Documents and Specifications are on file and may be examined and obtained at 971 Clinton Ave, Irvington New Jersey, Monday through Friday between 9:00 am and 4:00 pm bid package is available via Email upon request Kurt.wilson@uccnewark.org Document WILL NOT be mailed. No bid will be received by mail, and all bids shall be submitted on the bid form furnished by United Community Corporation

No bid shall be withdrawn for a period of ninety (90) days subsequent to the opening of bids without the consent of United Community Corporation.

This bid package **"Weatherization Contractors 2027"** is strictly for regular Weatherization Measures. This bid package is for a period of one year. At its sole discretion, UCC may elect to extend this agreement for one (1) additional year, subject to the contractor demonstrating satisfactory performance and full adherence to all program standards, specifications, and contractual obligations.

United Community Corporation reserves the right to reject any of all bids and reserves the right to waive any informality in the bids and to accept the bids and award the contract to the bidder(s) which, in its best judgement, best serve(s) the interest of United Community Corporation

The bid must be enclosed in a sealed envelope, properly endorsed with the name of the bidder, with the destination, "**Weatherization Contractors 2027**" and hand delivered to United Community Corporation Weatherization Department , 971 Clinton Ave, Irvington, NJ 07111

Bidders are required to comply with the provisions of NJSA 10:2-1 through 10:2-4 and Public Law 1975 c.127 dealing with discrimination in employment on public contract.

Minority contractors are encouraged to bid.

By order of,
United Community Corporation
Weatherization Department

United Community Corporation Weatherization Department

971 Clinton Ave

Irvington NJ 07111

http://www.uccnewark.org

REQUIRED DOCUMENTATION CHECKLIST

		Yes	No
1.	Provided the completed bid in a sealed envelope by _____The envelope is clearly labeled "**Weatherization Contractors 2027**".		
2.	Provided a Certificate of Insurance as required.		
3.	Provided a narrative describing the organizational profile and related experience of the contracting firm.		
4.	Provided a narrative describing the organization's Compliant Resolution Procedures.		
5.	Provided an executed Contractor Registration Form		
6.	Provided an executed Non-Collusion Affidavit		
7.	Provided an executed Benefit & Nepotism Affidavit		
8.	Provided an executed Affirmative Action Affidavit		
9.	Provided NWC Registration Information		
10.	Provided resumes of key personnel and a current company personnel list.		
11.	Provided Responsible Contractor Certification		
12.	Provided Bid Response Form		
13.	Provided a EPA Renovation Firm's Lead-Safe Certification		
14.	Provided verification of confined space permit and protocols. Contractor must meet OSHA standards for attic and crawlspaces.		

Proposals are to be returned to 971 Clinton Ave, Irvington NJ no later than the date and time specified in the bid procedures. Ask a weatherization staff member in the reception area to hand in and register your sealed bid. All bidders are invited to stay for the bid opening. If you have any questions, feel free to contact our office at: 973-583-0911 Monday through Friday, between 8:00 am and 4:00 pm. Please remember that no proposal will be accepted after the due date and time.

Respectfully Submitted,

_____

Authorized Signature (sign)

_____

Name of Bidder

_____

Date

United Community Corporation Weatherization Department
971 Clinton Ave
Irvington NJ 07111
http://www.uccnewark.org

"Weatherization Contractors 2027"
SPECIFICATIONS AND BID PROPOSAL FORM
United Community Corporation

Specification and Bid Proposal for the "**Weatherization Contractors RFQ 2027**" will not be accepted unless signed by the owner or authorized corporate officer. The undersigned is a Corporation under the laws of the State of New Jersey.

Respectfully Submitted,

_____
Authorized Signature (sign)

_____
Title of Personnel Signing

_____
Date

_____
Name of Bidder

_____
Address

_____
City and State Zip Code

_____
Telephone Number

_____
Email Address

United Community Corporation Weatherization Department
971 Clinton Ave
Irvington NJ 07111
http://www.uccnewark.org

"Weatherization Contractors 2027"

The following procedures are provided to facilitate your participation in the bid:

Bids must be returned to our office at 971 Clinton Ave Irvington New Jersey, no later than **12/15/2026**

All blanks on the Bid Documents shall be filled in by typewriter or manually in ink. No erasures or the use of white out will be accepted on any bid document. (Blank copies of forms are available upon request).

As a subcontractor providing services to United Community Corporation., we require that you provide us with evidence of insurance with the minimum requirements outlined below:

Commercial General Liability (Occurrence Form)

General Aggregate (other than Prod/Comp Ops Liability)	$ 2,000,000
Products/Completed Operations Aggregate	$ 2,000,000
Personal & Advertising Injury Liability	$ 1,000,000
Each Occurrence	$ 1,000,000

Commercial Auto Liability

Combined single limit per accident	$1,000,000

- United Community Corporation must be named as an Additional Insured for ongoing and completed operations with regard to the General Liability and Auto Liability.

Workers Compensation and Employer's Liability

Workers' Compensation	State Statutory Limits
Employer's Liability	
Bodily Injury by Accident	$100,000 each accident
Bodily Injury by Disease	$500,000 policy limit
Bodily Injury by Disease	$100,000 each employee

Pollution Liability (recommended but not mandatory)

Each Occurrence and Aggregate	$300,000
Each Occurrence and Aggregate (for HVAC)	$500,000

Certificate of Insurance:

a) One original certificate must be submitted with bid package.

b) The original certificate must indicate United Community Corporation. as additional insured and
Certificate holder for both General and Auto.

c) Insurance certificate must be made out to: United Community Corporation 971 Clinton Ave Irvington, NJ 07111

d) Pollution Occurrence insurance is recommended.

e) Owners cannot be excluded from Workers Compensation Insurance.

Proposals must be returned sealed with company's name on the outside and indicating **"Weatherization Contractors 2027".**

Each proposal shall include the legal name of the bidder and a statement that the bidder is a sole proprietor, a partnership, a corporation, or some other legal entity. Each copy shall be signed by the person(s) legally authorized to bind the bidder to a contract. A bid by a corporation shall further give the state of incorporation and have the corporate seal affixed. A bid submitted by an agent shall have a current power attached certifying the agent's authority to bind the bidder.

Bidders shall use the complete set of bidding documents in preparing bids. United Community Corporation does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete bidding documents. **Bidder is responsible for reviewing package to ensure that all required documents are present.**

A bid may not be modified or withdrawn by the bidder once the bidding process for a designated package has started on the date and time stipulated.

United Community Corporation. has the right to reject any and all bids and to reject a bid not accompanied by data or materials required by the bidding documents, or to reject a bid which is incomplete or irregular.

It is the intent United Community Corporation to prequalify Weatherization Contractors to participate in a "Weatherization Contractor Pool" of up to 5 contractors to perform work for the LIHEAP, DOE, and BIL grants United Community Corporation shall have the right to waive any informalities or irregularities in any bid or bids which in the judgment of O.C.E.A.N., Inc. is in its own interests.

All appropriate forms must be notarized where noted. One original of each document must accompany the proposal submitted.

All bidders are required to reference the NREL Standard Work Specifications as well as the NJ Weatherization Field Guide when preparing a response to this request for qualifications. The documents can be viewed and downloaded at https://sws.nrel.gov/& /dca/divisions/dhcr/offices/docs/wap/NJ-WxFgFinal-1Compressed.pdf

All bidders are required to meet OSHA standards for confined spaces in crawlspaces and attics. A copy of the confined space permit is required.

All bidders are responsible to follow and perform lead safe practices created by the EPA.gov when it applies. Please review the renovate right packet: https://www.epa.gov/sites/default/files/2020-09/documents/renovaterightbrochurecolor.pdf Bidder must hold and submit a copy of their current EPA Renovation Firm's Lead-Safe

Upon award notification, the contractor has 24 hours to sign the contract. Failure to respond within the due time will result in disqualification.

Upon request, the contractor must be ready to supply United Community Corporation with samples of all materials to be used prior to commencing work.

Bids will be opened in the order that they are received. If you wish to withdraw your bid, you may do so before the bid opening starts.

United Community Corporation not liable or responsible for any required documentation that is missing from your package. You are required to review its content and request any missing form.

United Community Corporation Inc. will prioritize any contractor who can perform all of the measures listed in the Price List below.

After the initial closing date, Qualified Proposals may be accepted on a Rolling Basis through the end of the term.

United Community Corporation Weatherization Department
971 Clinton Ave
Irvington NJ 07111
http://www.uccnewark.org

"Weatherization Contractors 2027"
SPECIAL ADVISORY

The BID MEASURES are divided in multiple categories (Attic, Distribution, Floor, Infiltration, Hot Water, Lighting, Health & Safety, Ventilation, Wall, and Windows/Doors) to address energy conservation improvements and general housing repairs.

All Bidders must review and accept all 10

Table of Contents

Contractor Registration Application
Non-Collusion Affidavit for Prime Bidder
Affirmative Action Affidavit
Responsible Contractor Certification
Benefit & Nepotism Affidavit
Insurance Requirements
Energy Conservation Measures:
- Attic
- Floor
- Walls
- Windows &
- Doors
- Distribution
- Infiltration
- Lighting
- Hot Water
- Health & Safety
- Ventilation

Contractor Registration Application

1. Firm Being Registered:

Name: _____

Address: _____

Phone Number: _____

Type Of Work Performed: _____

_____

_____

2. Names, Addresses and years of construction experience of all owners, partners and principal stockholders of the construction firm.

Name	Address	Experience	Years

3. Other contracting firm names which the principals have operated.

First Name	Address	Associated Principal

4. Business References:

a) Banks

Name	Address	Type of Account

b) Suppliers

Name	Address	Telephone Number

c) Subcontractors

Name	Address	Telephone Number

5. Recent Customers: (Include all previous Weatherization Assistance Program-funded work experience references)

Name	Address	Date(s) Service Provided

6. Please list any current contracts with other Weatherization Assistance Program agencies and Contract Expiration Date:

Name	Expiration Date

7. Insurance: (Attach Insurance Certificates)

Insurance Company	Agency	Type of Coverage

_____
Authorized Signature

_____
Title

_____
Date

Non-Collusion Affidavit of Prime Bidder

State of New Jersey

County _____
(County of Residence)

_____, being first duly sworn, deposes and says
(Name of person completing form)

that:

1. I am the (owner, partner, officer, representative or agency) of _____, the Bidder
(Name of Firm/Agency/Corporation submitting Bid, circle one choice)
that has submitted the attached Bid.

2. Neither the said bidder nor any of its officers, partners, owners, agents, representatives, employees or parties interest, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or that of any other Bidder, or, to fix any overhead, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the_____in the proposed Contract; and
(WAP Agency Soliciting Bid)

3. I am fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

4. Such Bid is genuine and is not a collusive or sham Bid;

5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties of interest.

_____
(Signature - Bidder Representative)

_____
(Title)

Subscribed and sworn before me

This_____day of _____
(day) (month)

_____ SEAL
(year)

_____
(Signature of Witness)

_____
(Name of Witness)

Affirmative Action Affidavit

State of New Jersey

County of _____
(Your County)

I,_____of the _____
(Name of person completing form) (Name of Firm/Agency/Corporation)

in the County of_____, and State of New Jersey,
(Your County)

of full age, being duly sworn according to law on my oath depose and say that:

I am (owner, partner, officer, representative or agent) of the firm of
(circle one)

_____, the bidder making the proposal for the weatherization of
(Name of Firm/Agency/Corporation

_____and that I executed the said proposal with full
(Name of Project or Bid Package #)

authority to do so; that said bidder hereby affirms that the bidder will abide by all terms of the

"Affirmative Action Law", P.L., 1975, c. 127, as set forth in the specifications; and that all statements contained in said proposal and in this Affidavit are true and correct, and made with full knowledge that

the _____
(Name of Weatherization Agency)

relies upon the truth of the statements contained in this Affidavit in awarding the Contract for the said project.

Affirmative Action Affidavit (cont'd)

_____
Signature

_____
Title

_____
Name of Witness

_____
Signature of Witness

Sworn and subscribed before

me this_____day of SEAL
(day)
_____,
(month)
_____.
(year)

Responsible Contractor Certification

I_____certify that I am knowledgeable of requirements to bid on a project funded in whole or in part through the DOE Annual, LIHEAP WX and/or HIP.

After reading and understanding, please initial each line:
***Failure to submit attachments will deem application incomplete** – Include attachments where applicable.*

1. Bidder possesses appropriate business and contracting licensing (New Jersey Home Improvement Contractors' Registration), insurance and bonding. Copies attached. _____

2. Bidder agrees to perform all work through utilization of individuals properly classified as employees, rather than independent contractors (except where subcontracting to a subcontractor). _____

3. Bidder has had no more than six governmental determinations of a violation of federal, state, or local laws relating to public safety, workplace safety or employment in the past three years. (Attach a description of each such violation and a resolution). _____

4. Bidder has not been disbarred from any public contract (federal, state, or local). _____

5. Bidder has successfully completed a job of this size and this type or a similar type of work in the past five years with a satisfactory record of on-time performance. (Attach documentation). _____

6. Bidder will require all employees on weatherization program work to complete at least 10 hours of OSHA safety training. _____

7. Bidder will comply with any applicable local hiring or first source policy. _____

I certify that the foregoing statements made by me are true. I am aware that any false statement contained herein may be punished by fine, imprisonment, termination/suspension of the WAP contract, withholding of payment, or any combination of the above. I further declare that I have examined this certification and, to the best of my knowledge and belief, it is true, correct and complete.

Name: _____ Date: _____

Title: _____

BENEFIT & NEPOTISM AFFIDAVIT

I,_____of the _____
(individual's name (name of company)

being first dully sworn, deposes and says that:

1) No official of United Community Corporation . (including officers, directors, and employees)
presently has an interest and shall not acquire any interest, directly or indirectly with
(Name of Company)
which would conflict in any manner or degree with the performance of services required to be performed under this contract.

2) No official of United Community Corporation . (including officers, directors, and employees) is
(Name of Company)
_____employees immediate family. No
(Name of Company)
person shall be employed under this contract by _____
(Name of Company)
while he/she or a member of his/her immediate family is an official of O.C.E.A.N., Inc. For the purpose of this affidavit, a member of an immediate family shall include the following persons:

Husband	Wife
Father	Father-in-Law
Mother	Mother-in-Law
Brother	Brother-in-Law
Sister	Sister-in-Law
Son	Son-in-Law
Daughter	Daughter-in-Law
Uncle	Aunt

The_____understands that any failure to meet the
(Name of Company)
Obligations under subsection #1 and #2 will cause for termination of the contract.

_____
(Signature)

_____
(Title)

Subscribed and sworn before me
this_____day of_____,
_____.

INSURANCE REQUIREMENTS

As a subcontractor providing services to O.C.E.A.N. Inc., we require that you provide us with evidence of insurance with the minimum requirements outlined below:

Commercial General Liability (Occurrence Form)

General Aggregate (other than Prod/Comp Ops Liability)	$ 2,000,000
Products/Completed Operations Aggregate	$ 2,000,000
Personal & Advertising Injury Liability	$ 1,000,000
Each Occurrence	$ 1,000,000

Commercial Auto Liability

Combined single limit per accident	$1,000,000

- United Community Corporation. Must be named as an Additional Insured for ongoing and completed operations with regard to the General Liability and Auto Liability.

Workers Compensation and Employer's Liability

Workers' Compensation	State Statutory Limits
Employer's Liability	
Bodily Injury by Accident	$100,000 each accident
Bodily Injury by Disease	$500,000 policy limit
Bodily Injury by Disease	$100,000 each employee

Pollution Liability (Recommended but not mandatory)

Each Occurrence and Aggregate	$300,000
Each Occurrence and Aggregate (for HVAC)	$500,000

Owners cannot be excluded from Workers Compensation Insurance.

United Community Corporation Weatherization Department
971 Clinton Ave
Irvington NJ 07111
http://www.uccnewark.org

"Weatherization Contractors 2027"

I,_____having familiarized myself with the New Jersey SWS Weatherization Field Guide, and with the knowledge that the number of units to be weatherized (projected total: 100 units *to be split amongst all contractors*) is not guaranteed, do hereby agree to the prices scheduled for the proper installation of energy conservation materials.

_____
Signature

_____
Date

Company Name: _____
Street Address: City, _____
State, Zip Code: _____
Telephone Number: _____
Fax Number: _____
Email Address: _____

United Community Corporation Weatherization Department

971 Clinton Ave
Irvington NJ 07111
http://www.uccnewark.org

Bidder Comments

_____
_____
_____
_____
_____
_____

I am familiar with Lead Safe Work Practices: Yes _____ No _____

My firm employs staff that has attended Lead Safe Work Practices Training and has received certification of successful completion: Yes_____No _____

I have my OSHA-10 Construction Certificate Yes_____No _____

The undersigned bidder declares he has read the notice to bidders, instruction to bidders, and specifications attached. The bidder has determined that conditions affecting the bid, and agrees, if this proposal is accepted, to provide labor and install materials as specified in the bid to weatherize the units contained in the package named below:

Bid Package: " **Weatherization Contractors RFQ 2027** "

_____
Authorized Signature (sign)

_____
Name of Bidder

_____
Date

Attic

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ANCIL) Attic Damming	Install a rigid and durable dam (2" rigid foam board) having a height greater than the insulation around perimeter of attic storage area. Must be permanently secured to attic floor.	$2.00 Per Square Foot	$3.00 Per Square Foot	$5.00 Per Square Foot
(ANCIL) Attic Hatch Ply-wood Damming	Install a rigid and durable dam (plywood) having a height greater than the insulation at attic opening and does not interfere with the operation of the access. Must be secured to attic floor.	$65.00 Per Installation	$75.00 Per Installation	$140.00 Per Installation
(ANCIL) Eave Baffles	Install insulation baffles in every roof bay that extend above the final insulation level by at least 6". Baffles must be mechanically fastened to attic roof and floor in accordance to manufacturer specifications.	$2.00 Per Each	$2.00 Per Each	$4.00 Per Each
(ANCIL) Tyvek/House Wrap Air Barrier (Blown Insulation)	Install airtight backing material over entire area to be insulated (i.e. knee-wall) that will withstand dense packing pressures. Backing material must be secured with mechanical fasteners to sub framing.	$0.30 Per Square Foot	$0.35 Per Square Foot	$0.65 Per Square Foot
(ECM) Cellulose R-11	Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.	$0.60 Per Square Foot	$0.60Per Square Foot	$1.20 Per Square Foot

(ECM) Cellulose R-13	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.65 Per Square Foot**	**$0.65 Per Square Foot**	**$1.30 Per Square Foot**
(ECM) Cellulose R-19	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.70 Per Square Foot**	**$0.70Per Square Foot**	**$1.40 Per Square Foot**
(ECM) Cellulose R-19	**Attic floor dense packing - Install airtight, rigid, blocking material (rigid foam board) at all cavity openings that aligns with the pressure boundary and will not fail under dense pack pressures. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Install closure system over all access holes that is airtight, and permanent. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.80 Per Square Foot**	**$0.80 Per Square Foot**	**$1.60 Per Square Foot**

(ECM) Cellulose R-30	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.75 Per Square Foot**	**$0.75 Per Square Foot**	**$1.50 Per Square Foot**
(ECM) Cellulose R-38	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.85 Per Square Foot**	**$0.85 Per Square Foot**	**$1.70 Per Square Foot**

(ECM) Dense Pack Walk-up Attic- Walls/Stair Stringers	**Create access holes through the interior wall surface and/or stair stringers in a straight horizontal line sufficient to access the cavity with fill tube without damaging the wall and/or stair surface. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Interior holes will be coated and patched to match original interior surface characteristics or covered with trim as agreed upon with client. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.80 Per Square Foot**	**$0.80 Per Square Foot**	**$1.60 Per Square Foot**
(ECM) Fiberglass R-11 (batt)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.60 Per Square Foot**	**$0.60 Per Square Foot**	**$1.20 Per Square Foot**

(ECM) Fiberglass R-11 (loose)	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.80 Per Square Foot**	**$0.80 Per Square Foot**	**$1.60 Per Square Foot**
(ECM) Fiberglass R-19 (batt)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.70 Per Square Foot**	**$0.70 Per Square Foot**	**$1.40 Per Square Foot**

(ECM) Fiberglass R-19 (loose)	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$0.85 Per Square Foot**	**$0.85 Per Square Foot**	**$1.70 Per Square Foot**
(ECM) Fiberglass R-30 (batt)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.85 Per Square Foot**	**$0.85 Per Square Foot**	**$1.70 Per Square Foot**

(ECM) Fiberglass R-30 (loose)	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$1.00 Per Square Foot**	**$1.00 Per Square Foot**	**$2.00 Per Square Foot**

(ECM) Fiberglass R-38 (batts)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$1.00 Per Square Foot**	**$1.00 Per Square Foot**	**$2.00 Per Square Foot**
(ECM) Fiberglass R-38 (loose)	**Install loose fill insulation to prescribed R-value in every joist bay in full contact with the air barrier without gaps, voids, compressions, or misalignments. Install a minimum of one insulation depth marker and one marker every additional 300 ft2 throughout installation area with measurement beginning at the air barrier. Install flags at all utility junctions that can be seen above the final level of the insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$1.10 Per Square Foot**	**$1.10 Per Square Foot**	**$2.20 Per Square Foot**

(ECM) Knee-wall Insulate R 11 + Rigid Foam Board Backing	**Remove any existing insulation or vapor barrier materials from installation area. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install (mechanically fasten) airtight backing material (rigid foam board) in full contact with the existing cavity insulation. Air seal all seams, gaps and edges of rigid foam board backing material. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value. Provide agency with a photo of knee-wall insulation prior to installation of backng material.**	**$2.05 Per Square Foot**	**$2.05 Per Square Foot**	**$4.10 Per Square Foot**
(ECM) Knee-wall Insulate R 13 + Rigid Foam Board Backing	**Remove any existing insulation or vapor barrier materials from installation area. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the ceiling cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material, install it in contact with the conditioned space. Install (mechanically fasten) airtight backing material (rigid foam board) in full contact with the existing cavity insulation. Air seal all seams, gaps and edges of rigid foam board backing material. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value. Provide agency with a photo of knee-wall insulation prior to installation of backng material.**	**$2.28 Per Square Foot**	**$2.28 Per Square Foot**	**$4.56 Per Square Foot**

(ECM) Non IC Recessed Lighting Fire-Resistant Box	**Remove any material from the sealing area that will prevent full adhesion of the selected sealant. Install an airtight, durable and fire-safe enclosure over non IC recessed lighting. Enclosure must be at least as tall as the surrounding insulation and maintain a minimum clearance of 3" between enclosure and all portions of fixture (e.g. wiring, box, and ballast). Enclosure top must be R-1 or less and left free of insulation. Enclosure must withstand applied loads. Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections of the enclosure. Sealant exposed to the interior of the enclosure must meet the same fire rating as the enclosure. Visibly flag enclosure above the final insulation level.**	**$20.00 Per Installation**	**$20.00 Per Installation**	**$40.00 Per Installation**
(IR) Attic pull down stairs replace	**Replace existing attic pull down stairs with similar size and style attic pull down stairs. Install according to manufacturer's specifications. New attic pull down stairs will be painted with primer and new primed interior trim will be installed.**	**$350.00Per Installation**	**$450.00 Per Installation**	**$750.00 Per Installation**
(IR) Door Install via Walkup Attic	**Install new solid-core door for the walkup attic, in accordance with manufacturer specifications, in alignment with the wall system's air and thermal boundary. Secure attic door with a latch or lock. Seal attic door with weather stripping and door sweep. Air seal all seams, joints, cracks and edges of access framing. Install new interior wood trim. New attic door and new interior trim must be painted with primer.**	**$250.00 Per Installation**	**$350.00 Per Installation**	**$600.00 Per Installation**

(IR) Fascia Repair	**Replace damaged or rotted fascia boards with new fascia boards. New fascia must be painted with primer or covered with exterior aluminum capping to match existing exterior fascia. If gutters are present, removal and reinstallation of gutters are necessary an could involve installing new gutter hanging hardware.**	**$3.00 Per Linear Foot**	**$3.00 Per Linear Foot**	**$6.00 Per Linear Foot**
(IR) Minor Roof Repair	**Repair roof around leaking exhaust vents, chimneys, flues or skylights.**	**$90.00 Per Installation**	**$90.00 Per Installation**	**$180.00 Per Installation**

Floor

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ANCIL) MH- Belly Insulation Flexible Patches/Fasteners	**Install patching material over all holes lapping a minimum of 3" over the surrounding material. Apply a continuous bead of sealant under the patch that creates an airtight seal. Attach patches using outward clinch staples ("cinch staples") spaced no more than 2" apart.**	**$3.00 Per Each**	**$3.50 Per Each**	**$6.50 Per Each**

(ANCIL) MH-Repair/Replace Rodent Barrier	**Span each belly section with an uninterrupted section of belly material creating as few seams as possible. Attach belly material at opposite ends of spanned section using rigid support material (i.e., wooden furring strips). Attach belly material to rigid support material by wrapping it around the rigid support material a minimum of 2 times and mechanically fastening every 6". Attach rigid support material to belly at every joist or at a maximum of every 2' with mechanical fasteners that penetrate the substrate a minimum of 1-1/2". Lap any seams in the belly material a minimum of 6", seal with a continuous bead of sealant, and mechanically fastened every 2". Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections of the belly material.**	**$3.00 Per Square Foot**	**$2.00 Per Square Foot**	**$5.00 Per Square Foot**
(ECM) Cantilevered Floor Insulate	**Remove any existing insulation or vapor barrier materials from installation area. Install airtight blocking between each floor joist at the interior edge of the exterior wall plate. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material install it in contact with the conditioned space. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation. Mechanically fasten a continuous, airtight, rigid air barrier to underside of floor assembly that is suitable to withstand weather, moisture, and pest contact. Install durable exterior soffit material over the rigid enclosure materials. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$9.00 Per Square Foot**	**$4.00 Per Square Foot**	**$13.00 Per Square Foot**

(ECM) Floor Cavity Insulation R-19	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a vapor retarder facing material install it in contact with the conditioned space. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation. Install flags that can be seen below the floor joists at any utility junctions that will be covered by insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.70 Per Square Foot**	**$0.70 Per Square Foot**	**$1.40 Per Square Foot**
(ECM) Floor Cavity Insulation R-30	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a vapor retarder facing material install it in contact with the conditioned space. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation. Install flags that can be seen below the floor joists at any utility junctions that will be covered by insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.80 Per Square Foot**	**$0.80 Per Square Foot**	**$1.60 Per Square Foot**

(ECM) Floor Insulation R-19 (Crawlspace)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a vapor retarder facing material install it in contact with the conditioned space. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation. Install flags that can be seen below the floor joists at any utility junctions that will be covered by insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.70 Per Square Foot**	**$0.70 Per Square Foot**	**$1.40 Per Square Foot**
(ECM) Floor Insulation R-30 (Crawlspace)	**Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a vapor retarder facing material install it in contact with the conditioned space. Secure batts in full contact with the pressure boundary using physical fasteners that do not compress the insulation. Install flags that can be seen below the floor joists at any utility junctions that will be covered by insulation. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.82 Per Square Foot**	**$0.82 Per Square Foot**	**$1.64 Per Square Foot**
(ECM) Foundation Insulation Poly Board 2"	**Install 2" rigid foam board over the entire foundation wall in alignment with the pressure boundary. Rigid foam board material must be mechanically fastened to prevent movement. All seams, edges, joints, etc. must be completely air sealed.**	**$2.50 Per Square Foot**	**$2.50 Per Square Foot**	**$5.00 Per Square Foot**

(ECM) MH- Insulate Floor system (loose fill Fiberglass) R-11	**Fill all belly cavities to full capacity and prescribed R-value ensuring that all ductwork and plumbing has sufficient insulation value to prevent condensation or freezing. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$40.00 Per Bag**	**$27.00 Per Bag**	**$67.00 Per Bag**
(ECM) MH- Insulate Floor system (loose fill Fiberglass) R-13	**Fill all belly cavities to full capacity and prescribed R-value ensuring that all ductwork and plumbing has sufficient insulation value to prevent condensation or freezing. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$40.00 Per Bag**	**$27.00 Per Bag**	**$67.00 Per Bag**
(ECM) MH- Insulate Floor System (loose fill Fiberglass) R-19	**Fill all belly cavities to full capacity and prescribed R-value ensuring that all ductwork and plumbing has sufficient insulation value to prevent condensation or freezing. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$40.00 Per Bag**	**$27.00 Per Bag**	**$67.00 Per Bag**
(ECM) MH-Insulate Belly (fiberglass batt & belly board)	**Remove any existing mobile home belly and insulation material. Install unfaced R-30 fiberglass batt insulation in full contact with mobile home floor without gaps, voids, compressions or misalignments. Mechanically fasten new mobile home belly as described in "Repair/ Replace Rodent Barrier' measure. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$2.00 Per Square Foot**	**$2.00 Per Square Foot**	**$4.00 Per Square Foot**

(ECM) Rim Joist- 2" Poly Board + One Part Foam Seal	**Remove existing insulation and vapor retarders from installation area. Install rigid insulation in each rim joist cavity in full contact with exterior air barrier. Air seal entire perimeter of rigid board with continuous bead of spray foam. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$2.50 Per Linear Foot**	**$2.50 Per Linear Foot**	**$5.00 Per Linear Foot**
(ECM) Rim Joist- Two Part Foam 2"	**Remove existing insulation and vapor retarders from installation area. Apply SPF to prescribed R-value in a continuous layer over entire surface of rim joist using a pass thickness maximum in accordance with manufacturer specifications. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, minimum settled thickness, installed R-value, and number of bags installed.**	**$3.00 Per Linear Foot**	**$3.00 Per Linear Foot**	**$6.00 Per Linear Foot**
(IR) Door Install via Basement Bulkhead door	**Install new exterior insulated door in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary at basement bilco door entry. Enclose rough opening as necessary for new door installation. Rough opening enclosure will be insulated and air sealed in alignment with wall system's air and thermal boundary. Gaps between the new door frame and the rough opening will be sealed with low-expanding foam. Door rail (bottom) and threshold will be adjusted to ensure tight but operable fit. Final installation will be air and watertight and be able to latch and lock.**	**$450.00 Per Installation**	**$450.00 Per Installation**	**$900.00 Per Installation**
(IR) Floor Repair	**Repair floor by removing existing rotted/ damaged flooring and replacing with similar flooring material. Provide agency with before and after photos of floor repair.**	**$20.00 Per Square Foot**	**$35.00 Per Square Foot**	**$55.00 Per Square Foot**
(IR) Mobile Home Skirting	**Install vinyl skirting continuously around the entire perimeter of mobile home according to manufacture specifications.**	**$11.00 Per Linear Foot**	**$4.00 Per Linear Foot**	**$15.00 Per Linear Foot**

(IR) Moisture/Vapor Barrier (6 MIL)	**Remove all debris that can cause injury or puncture ground vapor retarder (e.g., nails, glass, sheet metal screws, etc.). Cover all exposed soil with a 6-mil minimum ground vapor retarder of 0.1 perm or less. Extend ground vapor retarder a minimum of 6" up all foundation walls and piers, but do not install in contact with non-treated structural wood. Overlap seams a minimum of 12" with reverse or upslope lapping technique. For wall to floor connection, install the wall vapor retarder under the ground vapor retarder. Fasten ground vapor retarder to ground with durable fasteners.**	**$0.30 Per Square Foot**	**$0.30 Per Square Foot**	**$0.60 Per Square Foot**
(IR) Waterline Pipe Insulation	**Install insulation on water pipes, a minimum of R-3, the correct interior diameter to match pipes. Install without gaps. Seal all pipe insulation seams, joints, connections with tape, tie straps, or other independent means (i.e., manufactured adhesive seam seal is not sufficient). Maintain a minimum clearance of 6" between combustible pipe insulation and fuel-fired water heater draft hood and/or single wall metal vent materials.**	**$1.50 Per Linear Foot**	**$1.50 Per Linear Foot**	**$3.00 Per Linear Foot**

Wall

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ANCIL) Exterior Blow Plug	**Plug holes in sheathing with durable materials and seal with weatherproof exterior sealant. Close weather barrier and seal seams with compatible sealant tape. Reinstall exterior cladding and secured with mechanical fasteners.**	**$3.00 Per Each**	**$3.00Per Each**	**$6.00 Per Each**
(ANCIL) Interior Blow-Patch, Sand & Prime	**Interior holes will be coated and patched to match original interior surface characteristics or covered with trim as agreed upon with client**	**$6.50 Per Each**	**$9.00 Per Each**	**$15.50 Per Each**

(ECM) Cellulose DP R-11	**Remove the exterior cladding at the insulation access point when feasible. Create an access hole through the sheathing (exterior) or wall surface (interior) sufficient to access the cavity with fill tube without damaging wall. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Close access holes with appropriate method. Reinstall exterior cladding and secured with mechanical fasteners. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.80 Per Square Foot**	**$0.80 Per Square Foot**	**$1.60 Per Square Foot**
(ECM) Cellulose DP R-13	**Remove the exterior cladding at the insulation access point when feasible. Create an access hole through the sheathing (exterior) or wall surface (interior) sufficient to access the cavity with fill tube without damaging wall. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Close access holes with appropriate method. Reinstall exterior cladding and secured with mechanical fasteners. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.85 Per Square Foot**	**$0.85 Per Square Foot**	**$1.70 Per Square Foot**
(ECM) Cellulose DP R-19	**Remove the exterior cladding at the insulation access point when feasible. Create an access hole through the sheathing (exterior) or wall surface (interior) sufficient to access the cavity with fill tube without damaging wall. Fill 100% of each cavity with insulation to the correct density that prevents air movement. Close access holes with appropriate method. Reinstall exterior cladding and secured with mechanical fasteners. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.90 Per Square Foot**	**$0.90 Per Square Foot**	**$1.80 Per Square Foot**

(ECM) Fiberglass DP R-11	**Remove any existing insulation or vapor barrier materials from the installation area that are installed improperly. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material install it in contact with the conditioned space. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.85 Per Square Foot**	**$0.85 Per Square Foot**	**$1.70 Per Square Foot**
(ECM) Fiberglass DP R-13	**Remove any existing insulation or vapor barrier materials from the installation area that are installed improperly. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material install it in contact with the conditioned space. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.90 Per Square Foot**	**$0.90 Per Square Foot**	**$1.80 Per Square Foot**
(ECM) Fiberglass DP R-19	**Remove any existing insulation or vapor barrier materials from the installation area that are installed improperly. Install batt insulation to prescribed R-value in every joist bay in full contact with the air barrier and all sides of the cavity without gaps, voids, compressions, or misalignments. If batt contains a facing material install it in contact with the conditioned space. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$0.95 Per Square Foot**	**$0.95 Per Square Foot**	**$1.90 Per Square Foot**

Windows & Doors

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ANCIL) Exterior Cap Flashing	Install exterior capping on newly installed window or door per the manufacturer's specifications.	$15.00 Per Window/ Door	$40.00 Per Window/ Door	$55.00 Per Window/ Door
(ANCIL) Exterior Prime Exposed Wood	Prime exposed exterior wood of newly installed window or door.	$15.00 Per Window/ Door	$40.00 Per Window/ Door	$55.00 Per Window/ Door
(ECM) Door Replacement - Exterior-Grade Insulated Blank	Install new exterior-grade insulated door slab in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Install new handle and lockset in accordance to manufacture specifications. Leave product and warranty information with client. Final installation will be air and watertight.	$210.00 Per Door	$400.00 Per Door	$610.00 Per Door
(ECM) Door Replacement - Pre-Hung Insulated	Install new pre-hung door in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Install new handle and lockset in accordance to manufacture specifications. Leave product and warranty information with client. Final installation will be air and watertight.	$325.00 Per Door	$385.00 Per Door	$710.00 Per Door
(ECM) Door Replacement - Pre-Hung Insulated	Install new pre-hung manufactured housing door in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Install new handle and lockset in accordance to manufacture specifications. Leave product and warranty information with client. Final installation will be air and watertight.	$345.00 Per Door	$385.00 Per Door	$730.00 Per Door
(ECM) Door Replacement - Pre-Hung Insulated	Install new pre-hung manufactured housing exterior water heater closet door in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Install new handle and lockset in accordance to manufacture specifications. Leave product and warranty information with client. Final installation will be air and watertight.	$345.00 Per Door	$385.00 Per Door	$730.00 Per Door

(ECM) Sliding Low E Patio Door Replacement	**Install new Low E patio door in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Install new handle and lockset in accordance to manufacture specifications. Leave product and warranty information with client. Final installation will be air and watertight.**	**$500.00Per Door**	**$580.00 Per Door**	**$1080.00 Per Door**
(ECM) Window Replacement Low E	**Install new Low E window (up to 100 u.i.) in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Leave product and warranty information with client. Final installation will be air and watertight.**	**$250.00 Per Window**	**$225.00 Per Window**	**$475.00 Per Window**
(ECM) Window Replacement Low E	**Install new Low E window (over 100 u.i.) in accordance with manufacturer specifications in alignment with the wall system's air and thermal boundary. Leave product and warranty information with client. Final installation will be air and watertight.**	**$250.00 Per Window**	**$225.00 Per Window**	**$475.00 Per Window**
(IR) Door Repair/Replace Damaged Framing	**Replace any damaged or rotting door framing. Provide agency with photos of replacement framing prior to priming or capping.**	**$100.00 Per Door**	**$185.00 Per Door**	**$285.00 Per Door**
(IR) Window Repair/Replace Damaged Framing	**Replace any damaged or rotting window framing. Provide agency with photos of replacement framing prior to priming or capping.**	**$100.00 Per Window**	**$160.00 Per Window**	**$260.00 Per Window**

Distribution

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost

(ANCIL) Duct Hangers	**Support flexible and duct board ducts and plenums with 1-1/2" wide or greater material, installed every 4' or less, without crimping or pinching the ductwork or reducing the interior dimensions. Support metal ducts with 1/2" wide or greater eighteen gauge metal straps, 12-gauge galvanized wire, or metal rods every 10' or less. Ducts must never contact the ground.**	**$2.50 Per Each**	**$5.00 Per Each**	**$7.50 Per Each**
(ANCIL) In-door Air Return Pathway/Under cut door	**Install indoor air return grill in door in accordance to manufacture specifications.**	**$50.00 Per Installation**	**$50.00 Per Installation**	**$100.00 Per Installation**
(ECM) Air Seal Registers	**Seal gaps between boot and surface connections using fiberglass mesh tape and mastic. Ensure sealant is dry before reinstalling the register. Ensure the register can be removed and reinstalled by the dwelling occupant.**	**$15.00 Per Each**	**$10.00 Per Each**	**$25.00 Per Each**
(ECM) Boiler Pipe Insulate (Non Conditioned Area)	**Install R-3 or greater insulation over all distribution system components that allow insulation in a continuous manner without gaps. Seal all seams, joints, and connections of insulation with a durable sealant or mechanical fasteners (e.g., zip ties). Install removable/reusable insulation over components that require regular maintenance. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$1.50 Per Linear Foot**	**$1.50 Per Linear Foot**	**$3.00 Per Linear Foot**

(ECM) Duct Insulation (Non Conditioned Area)	**Remove damaged or wet duct insulation from premises. Verify ductwork is sealed before insulating. Insulate all ducts outside the thermal boundary to a minimum of R-8. Insulate all ducts exposed to the exterior to a minimum of R-12. Secure blanket insulation in full contact with the duct surface using mechanical fasteners (e.g., stick pins, metal wire). Seal all seams and connections of the duct insulation using UL 181 approved tape so that no gaps exist in the vapor retarder. Post a dated receipt signed by the installer that minimally includes: Installed insulation type, coverage area, installed thickness, and installed R-value.**	**$3.00 Per Linear Foot**	**$3.00 Per Linear Foot**	**$6.00 Per Linear Foot**
(ECM) Duct System Repair/Replace	**Remove damaged flex duct from premises. Install new flexible duct as straight as possible and fully stretched without unnecessary sagging, crimping, or bends. Do not bend flexible duct more than 45 degrees without using a rigid elbow. Use a rigid connector when joining two pieces of flexible duct together. Fasten new flex ducts with UL 181 approved tie bands using a tie band tensioning tool. Seal all connections with fiberglass mesh and mastic.**	**$5.00 Per Linear Foot**	**$5.00 Per Linear Foot**	**$10.00 Per Linear Foot**
(ECM) Duct System Repair/Replace	**Replace MH duct boots with new duct boot made with aluminum sheet metal. New boot must be mechanically fastened to subfloor and fit firm and secure in trunk line.**	**$20.00 Per Each**	**$15.00 Per Each**	**$35.00 Per Each**
(ECM) Mastic Seal Duct Work	**Seal all accessible seams, cracks, joints, holes, and penetrations of duct system. Seal leaks less than 1/4" using fiberglass mesh and mastic. Seal leaks between 1/4" and 3/4" using temporary tape as a backing material and fiberglass mesh and mastic that extends at least 1" past the temporary tape on all sides. Repair leaks larger than 3/4" using a mechanically fastened rigid duct patch and fiberglass mesh and mastic over the seam, overlapping repair joint by at least 1" on all sides.**	**$3.00 Per Linear Foot**	**$3.00 Per Linear Foot**	**$6.00 Per Linear Foot**

Infiltration

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ECM) Air Conditioner Hard Cover	Install a contractor supplied interior hard air conditioner cover in accordance to manufacture specifications.	$85.00 Per Installation	$35.00 Per Installation	$120.00 Per Installation
(ECM) Air Conditioner Window Secure and Seal	Air seal sides of window air conditioner with rigid material and caulk.	$90.00 Per Installation	$35.00 Per Installation	$125.00 Per Installation
(ECM) Air-seal Cavities Under Knee-walls	Install airtight, rigid, blocking material (2" foam board) at all cavity openings (top and bottom) that align with the pressure boundary and will not fail under dense pack pressures. Provide agency with photos of air-sealing.	$2.25 Per Square Foot	$2.25 Per Square Foot	$4.50 Per Square Foot
(ECM) Air-seal Chase/By-passes	Install rigid air barrier material (2" foam board) over the entire chase/ by-pass opening in alignment with the attic's pressure boundary. Air barrier material must be mechanically fastened to prevent movement. All seams, edges, joints, etc. must be completely air sealed (spray foam). Install support material (wooden boards) for spans wider than 24". Provide agency with photo of chase air-sealing.	$2.50 Per Square Foot	$2.50 Per Square Foot	$5.00 Per Square Foot
(ECM) Air-Seal Closet Drops in Attic	Install rigid air barrier material (2" foam board) over the entire chase/ by-pass opening in alignment with the attic's pressure boundary. Air barrier material must be mechanically fastened to prevent movement. All seams, edges, joints, etc. must be completely air sealed (spray foam). Install support material (wooden boards) for spans wider than 24". Provide agency with photo of chase air-sealing.	$2.50 Per Square Foot	$2.50 Per Square Foot	$5.00 Per Square Foot

(ECM) Air-seal Kitchen/Bathroom Interior Soffit Drops	**Install rigid air barrier material (2" foam board) over the entire soffit opening in alignment with the attic's pressure boundary. Air barrier material must be mechanically fastened to prevent movement. All seams, edges, joints, etc. must be completely air sealed (spray foam). Install support material (wooden boards) for spans wider than 24". Provide agency with photo of chase air-sealing.**	**$2.50 Per Square Foot**	**$2.50 Per Square Foot**	**$5.00 Per Square Foot**
(ECM) Air-Seal Plumbing Penetrations	**Apply a continuous seal at all penetrations with one part spray foam. Use backing material for gaps larger than 1/4".**	**$0.50 Per Linear Foot**	**$0.50 Per Linear Foot**	**$1.00 Per Linear Foot**
(ECM) Air-seal Top Plates/Wall Tops	**Apply a continuous air seal to attic top plates and wall tops with spray foam. Install backing material first for gaps larger than 1/4". Provide agency with photo of air-sealing.**	**$0.50 Per Linear Foot**	**$0.50 Per Linear Foot**	**$1.00 Per Linear Foot**
(ECM) Attic Hatch or Knee-wall door Install	**Build new attic hatch or knee-wall door with plywood to replace existing attic hatch or knee-wall door. Air seal access using permanently attached weather stripping. Secure attic hatch or knee-wall door with a latch, lock or frictionally engaging components. Insulate access to the same R-value as adjoining insulated assembly (attic floor/knee-wall). Permanently fasten insulation to access in complete contact with the air barrier. Install new trim around attic hatch or knee-wall door. New attic hatch or knee-wall door and new trim must be painted with primer.**	**$25.00 Per Square Foot**	**$25.00 Per Square Foot**	**$50.00 Per Square Foot**
(ECM) Attic Hatch Weather-strip & Insulate	**Insulate existing attic hatch or knee-wall door to the same R-value as adjoining insulated assembly (attic floor/knee-wall). Permanently fasten insulation to access in complete contact with the air barrier. Air seal existing access using permanently attached weather stripping. Secure existing attic hatch or knee-wall door with a latch, lock or frictionally engaging components.**	**$75.00 Per Installation**	**$75.00 Per Installation**	**$150.00 Per Installation**

(ECM) Attic Pull-down Stair Insulated Cover	**Install a contractor supplied Energy Guardian in accordance to manufacture specifications. Must be secured to attic floor and all seams must be air sealed.**	**$180.00 Per Installation**	**$120.00 Per Installation**	**$300.00 Per Installation**
(ECM) Blower Door Guided Air Sealing	**Perform work order specified air sealing. Rigid board (on top line) Spray Foam (on bottom line)**	**$2.50 (rigid) $0.50 (spray foam) Per Square Foot**	**$2.50 (rigid) $0.50 (spray foam) Per Square Foot**	**$5.00 (rigid) $1.00 (spray foam) Per Square Foot**
(ECM) Build Fan Cover - Whole House	**Construct a durable, rigid enclosure on all sides of the fan housing that is taller than the surrounding insulation. Install an operable cover for the fan enclosure that opens when the fan is operated and closes when the fan is turned off. Operable lid must have an airtight seal when closed. Insulate fan enclosure to a minimum of R-20. Install insulation in full contact with the enclosure. Mechanically fasten insulation to fan cover. Air seal all seams, cracks, joints, and edges of enclosure.**	**$180.00 Per Installation**	**$125.00 Per Installation**	**$305.00 Per Installation**
(ECM) Caulk Exterior Windows	**Apply a continuous seal around exterior perimeter of window with exterior water-proof caulk. Do not seal weep holes or intentional drainage locations.**	**$10.00 Per Window**	**$10.00 Per Window**	**$20.00 Per Window**
(ECM) Caulk Interior Windows	**Apply a continuous seal around interior perimeter of window and trim with 30 year paintable caulk.**	**$10.00 Per Window**	**$10.00 Per Window**	**$20.00 Per Window**
(ECM) Caulking cracks	**Apply a continuous seal on interior cracks and gaps with 30 year, paintable caulk. Use backing material for gaps larger than 1/4".**	**$0.75 Per Linear Foot**	**$.75 Per Linear Foot**	**$1.50 Per Linear Foot**
(ECM) Caulking Doors	**Apply a continuous seal around interior perimeter of door and trim with 30 year paintable caulk.**	**$10.00 Per Door**	**$10.00 Per Door**	**$20.00 Per Door**
(ECM) Chimney Dam Flashing/HIGH Temp Sealant	**Install a rigid, fixed dam higher than the insulation that maintains the required clearance between high-temperature devices and combustible materials. Dam to be constructed with sheet metal, air sealed with high-temperature caulk and permanently secured. When applicable, air seal chimney chase (in both attic and basement) with sheet metal and high-temperature caulk. Provide agency with photo of air-sealing.**	**$37.50 Per Installation**	**$37.50 Per Installation**	**$70.00 Per Installation**

(ECM) Crawlspace Hatch (Floor) Weather-strip & Insulate	**Insulate existing crawlspace hatch to the same R-value as adjoining insulated assembly (floor). Permanently fasten insulation to access in complete contact with the air barrier. Air seal existing access using permanently attached weather stripping. Secure existing crawlspace hatch with a latch, lock or frictionally engaging components.**	**$62.50 Per Installation**	**$62.50 Per Installation**	**$125.00 Per Installation**
(ECM) Crawlspace Hatch (Wall) Weather-strip & Insulate	**Insulate existing crawlspace hatch to the same R-value as adjoining insulated assembly (wall). Permanently fasten insulation to access in complete contact with the air barrier. Air seal existing access using permanently attached weather stripping. Secure existing crawlspace hatch with a latch, lock or frictionally engaging components.**	**$65.00 Per Installation**	**$65.00 Per Installation**	**$130.00 Per Installation**
(ECM) Crawlspace Hatch Install	**Build new crawlspace hatch with plywood to replace existing crawlspace hatch. Air seal access using permanently attached weather stripping. Secure crawlspace hatch with a latch, lock or frictionally engaging components. Insulate access to the same R-value as adjoining insulated assembly (wall). Permanently fasten insulation to access in complete contact with the air barrier. Install new trim around crawlspace hatch. New crawlspace hatch and new trim must be painted with primer.**	**$100.00 Per Installation**	**$60.00 Per Installation**	**$160.00 Per Installation**
(ECM) Door Repair to Close Properly	**Adjust or replace handle, lockset, or strike plate so that door closes tightly without hindering safe operation of latching or locking mechanisms.**	**$25.00 Per Door**	**$15.00 Per Door**	**$40.00 Per Door**
(ECM) Door Saddle Install	**Remove existing door saddle and clean installation area. Install new door saddle per manufacture specifications.**	**$25.00 Per Installation**	**$45.00 Per Installation**	**$70.00 Per Installation**
(ECM) Door Shoe Install	**Remove existing door shoe (if applicable). Install a door shoe on the bottom of the door slab (per manufacture specifications) with no visible gaps when door is closed.**	**$15.00 Per Installation**	**$15.00 Per Installation**	**$30.00 Per Installation**

(ECM) Door Sweep Install	**Remove existing door sweep (if applicable). Install a door sweep on the bottom of the door slab (per manufacture specifications) with no visible gaps when door is closed.**	**$12.00 Per Installation**	**$10.00 Per Installation**	**$22.00 Per Installation**
(ECM) Electrical Outlet Switch Gaskets	**Install electrical outlet switch gaskets per manufactures specifications.**	**$3.00 Per Installation**	**$4.00 Per Installation**	**$7.00 Per Installation**
(ECM) Fire Place Draft Stop	**Install fire place draft stop per manufactures specifications. Provide occupants the manufacturer's written instructions.**	**$60.00 Per Installation**	**$60.00 Per Installation**	**$120.00 Per Installation**
(ECM) Glass Replace	**Remove broken glass and any material from the sealing and glazing contact areas that will prevent full adhesion of the selected sealant and prevent a tight seal. Remove push point or stops from replacement area. Install new glass and secure in frame using push points or appropriate stops on each side of opening. Install glazing compound or sealant at all edges of the glass in accordance with manufacturer specifications.**	**$3.00 Per United Inch**	**$2.00 Per United Inch**	**$5.00 Per United Inch**
(ECM) Install Drywall (less than 16 Sq. Ft. Coverage)	**Install drywall as air barrier. Drywall must be secured with screws and taped, spackled, sanded and painted with primer.**	**$2.00 Per Square Foot**	**$2.00 Per Square Foot**	**$4.00 Per Square Foot**
(ECM) Knee-wall Door Weather-strip & Insulate	**Insulate existing knee-wall door to the same R-value as adjoining insulated assembly (knee-wall). Permanently fasten insulation to access in complete contact with the air barrier. Air seal existing access using permanently attached weather stripping. Secure existing knee-wall door with a latch, lock or frictionally engaging components.**	**$62.50 Per Installation**	**$62.50 Per Installation**	**$125.00 Per Installation**
(ECM) One Part Foam	**Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections with one part foam. Use backing material for gaps larger than 1/4".**	**$0.50 Per Linear Foot**	**$0.50 Per Linear Foot**	**$1.00 Per Linear Foot**
(ECM) Rigid Foam Board Install	**Install rigid foam board material as air seal. Rigid board material must be mechanically fastened to prevent movement. All seams, edges, joints, etc. must be completely air sealed (spray foam).**	**$2.50 Per Square Foot**	**$2.50 Per Square Foot**	**$5.00 Per Square Foot**

(ECM) Threshold Install	**Remove existing door threshold and clean installation area. Install new door threshold per manufacture specifications.**	**$30.00 Per Installation**	**$46.00 Per Installation**	**$76.00 Per Installation**
(ECM) Two Part Foam	**Apply a continuous seal at all seams, cracks, joints, edges, penetrations, and connections with two part foam. Use backing material for gaps larger than 1/4".**	**$1.50 Per Linear Foot**	**$0.75 Per Linear Foot**	**$2.25 Per Linear Foot**
(ECM) Walk-up Attic Door Weather-strip & Insulate	**Insulate existing attic door to the same R-value as adjoining insulated assembly (wall). Permanently fasten insulation to door in complete contact with the air barrier. Air seal existing access using permanently attached weather stripping. Secure existing attic door with a latch, lock or frictionally engaging components.**	**$100.00 Per Installation**	**$75.00 Per Installation**	**$175.00 Per Installation**
(ECM) Weatherstrip Door Kit	**Remove existing weather stripping and clean surface. Install continuous and complete weather stripping for sides and top of door so no visible gaps exist when the door is closed. Seal mechanically installed weather stripping to installation surface. Door operation may not be interfered with by any installation.**	**$45.00 Per Installation**	**$23.00 Per Installation**	**$68.00 Per Installation**
(ECM) Window Repair to Close Properly	**Install new lock(s) so that the rails of the upper and lower sashes are flush and in full contact and no gaps are visible between the sash(es). Install new or adjust existing sash stops so as to eliminate visible gaps between the stop and window jamb while ensuring sash operates smoothly and securely.**	**$8.00 Per Window**	**$12.00 Per Window**	**$20.00 Per Window**
(ECM) Window Weather Strip	**Remove existing weather stripping or sealing strips that are damaged. Install continuous and complete weather stripping on the bottom of the lower sash where it makes contact with the sill and at the top of the upper sash where it makes contact with the upper part of the window frame while maintaining the operability of the window. Mechanically installed weather stripping will be sealed to surface.**	**$15.00 Per Window**	**$15.00 Per Window**	**$30.00 Per Window**

(ECM) Windows Glaze	Remove any material from the sealing area that will prevent full adhesion of the selected sealant and that will prevent a tight seal. Install glazing compound or sealant at all edges of the glass in accordance with manufacturer specifications.	$15.00 Per Window	$10.00 Per Window	$25.00 Per Window
(IR) Install Drywall (greater than 16 Sq. Ft. Coverage)	Install drywall as air barrier. Drywall must be secured with screws and taped, spackled, sanded and painted with primer.	$2.00 Per Square Foot	$2.00 Per Square Foot	$4.00 Per Square Foot

Lighting

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ECM) LED - 60w equivalent (Dimmable ES)	Install lighting in accordance with manufacturer specifications and applicable code. Permanently remove old light bulb from job site. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$3.30 Per Bulb	$4.00 Per Bulb	$7.30 Per Bulb
(ECM) LED - 60w equivalent (Non Dimmable)	Install lighting in accordance with manufacturer specifications and applicable code. Permanently remove old light bulb from job site. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$3.30 Per Bulb	$4.00 Per Bulb	$7.30 Per Bulb
(ECM) LED - 65w Can Light Flood	Install lighting in accordance with manufacturer specifications and applicable code. Permanently remove old light bulb from job site. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$4.00 Per Bulb	$4.00 Per Bulb	$8.00 Per Bulb

Hot Water

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(ECM) DHW Faucet Aerators Replace 1.5 GPM	Install 1.5 GPM faucet aerator in accordance with manufacturer specifications and applicable building code. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$5.00 Per Each	$6.00 Per Each	$11.00 Per Each
(ECM) DHW Faucet Aerators Replace 1.5 GPM Swivel	Install 1.5 GPM swivel faucet aerator in accordance with manufacturer specifications and applicable building code. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$8.00 Per Each	$6.50 Per Each	$14.50 Per Each
(ECM) DHW Insulate 6FT Hot/Cold Water Lines R-3.5	Insulate first 6ft of hot and first 6ft of cold water lines on water heater to a minimum of R-3.5 with pipe insulation that is the correct interior diameter to match pipes. Install insulation without gaps. Seal all pipe insulation seams, joints, connections with tape, tie straps, or other independent means (i.e., manufactured adhesive seam seal is not sufficient). Maintain a minimum clearance of 6" between combustible pipe insulation and fuel-fired water heater draft hood and/or single wall metal vent materials.	$1.75 Per Linear Foot	$1.75 Per Linear Foot	$3.50 Per Linear Foot
(ECM) DHW Low-flow Showerhead 2.0 GPM	Install 2.0 GPM showerhead in accordance with manufacturer specifications and applicable building code. Provide occupants/owners with user's manual, warranty information, installation instructions, and installer contact information.	$50.00 Per Each	$38.00 Per Each	$88.00 Per Each

(ECM) DHW Water Heater Blanket Install R-11	**Install insulation (minimum of R-11) according to manufacturer specifications over entire storage tank while ensuring that insulation does not obstruct pressure relief valve, plumbing pipes, gas valves, combustion air intakes, etc.. Permanently secure insulation with minimal compression. Seal all seams and edges airtight using compatible and durable tape. Maintain a minimum clearance of 6" between combustible tank insulation and fuel-fired water heater draft hood and/or single wall metal vent materials. Do not wrap the top of fuel-fired water heaters or cover combustion air intakes. Pre-cut flaps at access plates and label them clearly indicating access purpose. Tape access flaps closed.**	**$40.00 Per Installation**	**$40.00 Per Installation**	**$80.00 Per Installation**

Health & Safety

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
(H&S) Air Filter Slot Cover Install	**Seal the filter slot with a durable, client removable filter slot cover (e.g., magnetic strip)**	**$12.00 Per Installation**	**$10.00 Per Installation**	**$22.00 Per Installation**

(H&S) Bathroom Exhaust (50 CFM on-demand)	**Install new bathroom exhaust fan that produces no more than 2.0 sones at maximum speed and moves at least 50 cfm after installation, ducting, and termination is complete. Mount fan using mechanical fasteners and per manufacturer's specifications so that fan housing does not shake, rattle, or vibrate when operating. Orient the fan outlet toward the final termination location and so the equivalent length of the duct run is as short as possible. Install all electrical wiring according to manufacturer specifications and applicable code. Duct and terminate fan to the outdoors, with ventilation ducts as short, straight, smooth and fully extended as possible. Secure duct with clamps or tie bands (tightened with tie band tensioning tool) and seal all connections with mastic. Install new termination vent/hood per manufacture specifications. If applicable, remove original fan from premises. Provide occupants/owners with user's manual, warranty information and installation instructions.**	**$145.00 Per Installation**	**$155.00 Per Installation**	**$300.00 Per Installation**

(H&S) Bathroom Exhaust (Continuous based on ASHRAE)	**Install new timed-adjustable bathroom exhaust fan that produces no more than 2.0 sones at maximum speed and moves at least 50 cfm after installation, ducting, and termination is complete. Mount fan using mechanical fasteners and per manufacturer's specifications so that fan housing does not shake, rattle, or vibrate when operating. Orient the fan outlet toward the final termination location and so the equivalent length of the duct run is as short as possible. Install all electrical wiring according to manufacturer specifications and applicable code. Duct and terminate fan to the outdoors, with ventilation ducts as short, straight, smooth and fully extended as possible. Secure duct with clamps or tie bands (tightened with tie band tensioning tool) and seal all connections with mastic. Install new termination vent/hood per manufacture specifications. If applicable, remove original fan from premises. Provide occupants/owners with user's manual, warranty information and installation instructions.**	**$185.00 Per Installation**	**$165.00 Per Installation**	**$350.00 Per Installation**
*****Add cost of premit whenever one is needed*****				
(H&S) C/O Detector Install	**Install battery-operated CO alarm in accordance with the manufacturer's instructions. Install CO alarms in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$24.00Per Installation**	**$10.00**	**$34.00 Per Installation**
(H&S) C/O Detector Install	**Install hardwired (interconnected) CO alarm in accordance with the manufacturer's instructions. Install CO alarms in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$60.00 Per Installation**	**$45.00 Per Installation**	**$105.00 Per Installation**
(H&S) Chimney Cap Install	**Install correctly-sized chimney cap in accordance to manufacture specifications.**	**$60.00Per Installation**	**$120.00 Per Installation**	**$180.00 Per Installation**

(H&S) Clothes Dryer Vent Outside	**Vent clothes dryer to the outdoors, which does not include unconditioned spaces such as attics and crawl spaces that are ventilated with the outdoors with rigid metal duct (28 gauge) with smooth interior. Choose the shortest practical installation path. Fasten all duct connections with clamps (no screws). Seal all duct connections with mastic. Install new exterior termination hood manufactured for use with dryers that includes a backdraft damper and does not contain a pest screen.**	**$100.00 Per Installation**	**$100.00 Per Installation**	**$200.00 Per Installation**
(H&S) Combo C/O Smoke Detector Install	**Install battery-operated combo C/O smoke detector in accordance with the manufacturer's instructions. Install combo C/O smoke detector in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$25.00 Per Installation**	**$25.00 Per Installation**	**$50.00 Per Installation**
(H&S) Combo C/O Smoke Detector Install	**Install hardwired (interconnected) combo C/O smoke detector in accordance with the manufacturer's instructions. Install combo C/O smoke detector in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$60.00 Per Installation**	**$45.00 Per Installation**	**$105.00 Per Installation**
(H&S) DHW TPRV Extension Pipe Install	**Install discharge tube of temperature and pressure relief valve so that it discharges to a readily observable location either 6 inches or less from the floor or overflow pan or to the outdoors.**	**$10.00 Per Installation**	**$11.00 Per Installation**	**$21.00 Per Installation**
(H&S) DHW Water Lines Insulate (NON CONDITIONED AREA)	**Install insulation on water pipes, a minimum of R-3, the correct interior diameter to match pipes. Install without gaps. Seal all pipe insulation seams, joints, connections with tape, tie straps, or other independent means (i.e., manufactured adhesive seam seal is not sufficient). Maintain a minimum clearance of 6" between combustible pipe insulation and fuel-fired water heater draft hood and/or single wall metal vent materials.**	**$1.50 Per Linear Foot**	**$1.50 Per Linear Foot**	**$3.00 Per Linear Foot**
(H&S) Downspout Ground Extension	**Install downspout ground extension in accordance to manufacture's specifications. Drain downspouts a minimum of 6' away from the structure.**	**$10.00 Per Installation**	**$8.00 Per Installation**	**$18.00 Per Installation**

(H&S) Dryer Vent Replace	**Replace existing dryer exhaust duct with rigid metal duct (28 gauge) with smooth interior. Choose the shortest practical installation path. Fasten all duct connections with clamps (no screws). Seal all duct connections with mastic. Install new exterior termination hood manufactured for use with dryers that includes a backdraft damper and does not contain a pest screen. Remove original duct from premises.**	**$100.00 Per Installation**	**$100.00 Per Installation**	**$200.00 Per Installation**
(H&S) Dryer Vent Replace	**Replace existing dryer exterior termination hood. Install new exterior dryer termination hood with one manufactured for use with dryers that includes a backdraft damper and does not include a pest screen. Remove original exhaust hood from premises.**	**$12.00 Per Installation**	**$16.00 Per Installation**	**$28.00 Per Installation**
(H&S) Duct System Repair	**Remove damaged flex duct from premises. Install new flexible duct as straight as possible and fully stretched without unnecessary sagging, crimping, or bends. Do not bend flexible duct more than 45 degrees without using a rigid elbow. Use a rigid connector when joining two pieces of flexible duct together. Fasten new flex ducts with UL 181 approved tie bands using a tie band tensioning tool. Seal all connections with fiberglass mesh and mastic.**	**$5.00 Per Linear Foot**	**$5.00 Per Linear Foot**	**$10.00 Per Linear Foot**
(H&S) Electrical Junction Box Install	**Enclose all wiring splices inside a location-appropriate (e.g. wet-location, outdoor, indoor, etc.) UL listed electrical enclosure per the NEC.**	**$10.00 Per Installation**	**$15 Per Installation**	**$25.00 Per Installation**
(H&S) Electrical Outlet/Switch Plate Install	**Install electric outlet/switch cover according to manufacturer specifications and applicable code.**	**$5.00 Per Each**	**$5.00 Per Each**	**$10.00 Per Each**
(H&S) Fan Exhaust Timer Switch (used with ASHRAE 62.2 complaint fan)	**Install bathroom fan exhaust timer switch and all electrical wiring according to manufacturer specifications and applicable code. Remove original switch from premises. Set timer according to ASHREA report or work order notes. Provide occupants the manufacturer's written instructions and product information.**	**$55.00 Per Installation**	**$30.00 Per Installation**	**$85.00 Per Installation**

(H&S) Gutter Cleaning	**Clean all gutters, per linear foot. Labor only.**		**$3.00 Per Linear Foot**	**$3.00 Per Linear Foot**
(H&S) Gutter Down Spout Repair/Replace	**Install new appropriately sized downspouts. Mechanically attach downspouts to gutter. Mechanically attach downspout(s) to dwelling a minimum of every 4' of length. Drain downspouts a minimum of 6' away from the structure.**	**$3.00 Per Linear Foot**	**$2.00 Per Linear Foot**	**$5.00 Per Linear Foot**
(H&S) Gutter Repair/Replace	**Install new appropriately sized gutters. Remove old gutters if applicable. Attach new gutters to dwelling using screws. Fasten gutter sections with mechanical fasteners. Slope all gutters toward the downspout(s) a minimum of 1/4" per 10 feet. Make all seams watertight using compatible sealant.**	**$5.00 Per Linear Foot**	**$7.00 Per Linear Foot**	**$12.00 Per Linear Foot**
(H&S) Insulate Exhaust Vent R-8 (Non Conditioned Area)	**Insulate exhaust ducts (i.e. bathroom, dryer) installed outside of the thermal boundary to a minimum of R-8. Secure blanket insulation in full contact with the duct surface using mechanical fasteners (e.g., stick pins, metal wire).**	**$1.25 Per Installation**	**$1.25 Per Installation**	**$2.50 Per Installation**
(H&S) Junction Box Cover Install	**Cover all junction boxes with a location-appropriate (e.g. wet-location, outdoor, indoor, etc.) UL listed cover per the NEC.**	**$3.00 Per Each**	**$5.00 Per Each**	**$8.00 Per Each**

(H&S) Kitchen Exhaust (100 CFM on-demand)	**Install new kitchen exhaust range hood that is rated a maximum of 3 sones at one or more airflow settings greater than or equal to 100 cfm and moves at least 100 cfm intermittently after installation, ducting, and termination is complete. Install fan within at least 5' of the primary cooking surface (e.g., range, oven, stove). Mount fan using mechanical fasteners and per manufacturer's specifications so that fan housing does not shake, rattle, or vibrate when operating. Ensure internal components are correctly oriented to exhaust air through the duct system. Install all electrical wiring according to manufacturer specifications and applicable code. Duct and terminate fan to the outdoors, with ventilation ducts as short, straight, smooth as possible. Fasten duct fittings in accordance with manufacturer specifications and seal all connections with mastic. Install new termination vent per manufacture specifications. If applicable, remove original fan from premises. Provide occupants/owners with user's manual, warranty information and installation instructions.**	**$250.00 Per Installation**	**$300.00 Per Installation**	**$550.00 Per Installation**

(H&S) Kitchen Exhaust Install (Continuous based on ASHRAE)	**Install new kitchen exhaust range hood that is rated a maximum of 3 sones at one or more airflow settings greater than or equal to 100 cfm and moves 5 kitchen air changes per hour (ACH) continuously after installation, ducting, and termination is complete. Install fan within at least 5' of the primary cooking surface (e.g., range, oven, stove). Mount fan using mechanical fasteners and per manufacturer's specifications so that fan housing does not shake, rattle, or vibrate when operating. Ensure internal components are correctly oriented to exhaust air through the duct system. Install all electrical wiring according to manufacturer specifications and applicable code. Duct and terminate fan to the outdoors, with ventilation ducts as short, straight, smooth as possible. Fasten duct fittings in accordance with manufacturer specifications and seal all connections with mastic. Install new termination vent per manufacture specifications. If applicable, remove original fan from premises. Set fan timer according to AHSREA report or work order notes. Provide occupants/owners with user's manual, warranty information and installation instructions.**	**$600.00 Per Installation**	**$300.00 Per Installation**	**$900.00 Per Installation**
*****Add cost of permit whenever one is needed*****				
(H&S) Lead Paint (RRP) Containment, Occupant protections and Cleanup	**Perform proper Lead Safe Work Practices/ RRP, in accordance to EPA rules, when preforming work order tasks that will disturb lead paint. Provide agency with photos of ALL interior and exterior containment areas that are effected by the work scope. Provide agency a signed and completed RRP checklist form. Priced per room.**	**$175.00 Per Room**	**$300.00 Per Room**	**$475.00 Per Room**

(H&S) Moisture/Vapor Barrier (6 MIL)	**Remove all debris that can cause injury or puncture ground vapor retarder (e.g., nails, glass, sheet metal screws, etc.). Cover all exposed soil with a 6-mil minimum ground vapor retarder of 0.1 perm or less. Extend ground vapor retarder a minimum of 6" up all foundation walls and piers, but do not install in contact with non-treated structural wood. Overlap seams a minimum of 12" with reverse or upslope lapping technique. For wall to floor connection, install the wall vapor retarder under the ground vapor retarder. Fasten ground vapor retarder to ground with durable fasteners.**	**$0.25 Per Square Foot**	**$0.25 Per Square Foot**	**$0.50 Per Square Foot**
(H&S) Plumbing Leaks Repair	**Repair plumbing leak in accordance to applicable code.**	**$50.00 Per Repair**	**$50.00 Per Repair**	**$100.00 Per Repair**
(H&S) Register Replace	**Install new register in accordance with the manufacturer's instructions. Ensure the register can be removed and reinstalled by the dwelling occupant.**	**$15.00 Per Each**	**$10.00 Per Each**	**$25.00 Per Each**
(H&S) Smoke Detector Install	**Install battery-operated smoke alarm in accordance with the manufacturer's instructions. Install battery-operated smoke alarms in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$25.00 Per Installation**	**$25.00 Per Installation**	**$50.00 Per Installation**
(H&S) Smoke Detector Install	**Install hardwired (interconnected) smoke alarm in accordance with the manufacturer's instructions. Install battery-operated smoke alarms in the locations required by the Authority Having Jurisdiction (AHJ). Provide occupants the manufacturer's written instructions.**	**$50.00 Per Installation**	**$55.00 Per Installation**	**$105.00 Per Installation**
(H&S) Ventilate Bathroom Exhaust to Outside	**Vent existing bathroom exhaust fan to the outdoors, with ventilation ducts as short, straight, smooth and fully extended as possible. Secure duct with clamps or tie bands (tightened with tie band tensioning tool) and seal all connections with mastic. Install new termination vent/hood per manufacture specifications.**	**$200.00 Per Installation**	**$150.00 Per Installation**	**$350.00 Per Installation**

(H&S) Ventilate Kitchen Exhaust to Outside	**Vent existing kitchen exhaust range hood/fan to the outdoors, with ventilation ducts as short, straight, smooth as possible. Fasten duct fittings in accordance with manufacturer specifications and seal all connections with mastic. Install new exterior termination vent per manufacture specifications.**	**$200.00 Per Installation**	**$150.00 Per Installation**	**$350.00 Per Installation**
Contractor's Labor Only (ADD COMMENT)	**Cost of labor per hour for labor only tasks described in work order (i.e. removing debris from crawlspace or remove and replace drop ceiling tiles).**		**$60.00 Per Hour**	**$60.00 Per Hour**

Ventilation

Measure Name	Measure Description: This is the Standard Work Specification description of work to be performed for the bid purpose.	Material Cost	Labor Cost	Total Measure Cost
Gable Vent Install (14"x14")	**Install 14"x14" gable vent (with corrosion-resistant wire mesh screen) in attic according to manufacture specifications and in compliance with applicable building codes.**	**$60.00 Per Installation**	**$65.00 Per Installation**	**$125.00 Per Installation**
Gable Vent Install (18"x24")	**Install 18"x28" gable vent (with corrosion-resistant wire mesh screen) in attic according to manufacture specifications and in compliance with applicable building codes.**	**$70.00 Per Installation**	**$65.00 Per Installation**	**$135.00 Per Installation**
Ridge Vent Install	**Install Ridge Vent in attic in accordance to manufacture specifications and in compliance with applicable building codes.**	**$500.00 Per Installation**	**$500.00 Per Installation**	**$1000.00 Per Installation**
Roof Vent Install (Large)	**Install Large Roof Vent (with corrosion-resistant wire mesh screen) in attic in accordance to manufacture specifications and in compliance with applicable building codes.**	**$40.00 Per Installation**	**$70.00 Per Installation**	**$130.00 Per Installation**
Roof Vent Install (Small)	**Install Small Roof Vent (with corrosion-resistant wire mesh screen) in attic in accordance to manufacture specifications and in compliance with applicable building codes.**	**$40.00 Per Installation**	**$70.00 Per Installation**	**$130.00 Per Installation**

Soffit Vent Install (16"x4")	**Install Soffit Vent in attic in accordance to manufacture specifications and in compliance with applicable building codes.**	**$20.00 Per Installation**	**$40.00 Per Installation**	**$60.00 Per Installation**