



Work Order Bid (ID)

WORK ORDER INFORMATION

Work Order Name: WO/1001246/1

Work Order Type: Weatherization

Audit Name: 1002286

CLIENT INFORMATION

Client ID: 1001246

Alt. Client ID: C1001254SA101

County: Johnson

AGENCY INFORMATION

Agency: Upper East Tennessee Human
Development Agency

Address: 301 Louis Street
Kingsport TN 37662

Agency Phone: 1-423-246-6180

Agency Fax:

Email Address: sdawes@uethda.org

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

756 SQUARE FOOT SINGLE DOUBLE WIDE MOBILE HOME MANUFACTURED IN 1999.
ALL WORK TO BE DONE IN ACCORDANCE WITH THE TENNESSEE STANDARD WORK SPECIFICATIONS
AS ADOPTED BY THE TENNESSEE HOUSING DEVELOPMENT AGENCY.

CONTRACTOR IS RESPONSIBLE TO VERIFY DIMENSIONS AND SCOPE OF WORK PRIOR TO BID.

SURVEY ON 6/12/2020 BY RON CARLISLE (423) 736-0678
INITIAL BLOWER DOOR 2908 @-50
POST WORK TARGET 864 @-50 MUST BE REACHED OR EXCEEDED

*****POSTITIVE PRESSURE BLOWER DOOR TEST WAS DONE TO REDUCE THE RISK OF
CONTAMINANTS BEING PULLED INTO THE HOUSE*****
***WHEN USING THIS METHOD, TAKE CARE TO NOT BLOW OWNER ITEMS OFF THE WALLS OR ABOUT
THE HOME***

Measure 1 Seal Ducts

Components

Inspected

Comment SHOP-VAC AND PREPARE THE DUCT-WORK AS PER THE TN SWS.
 USE MASTIC OR APPROPRIATE MATERIAL TO SEAL THE DUCT-WORK AS PER
 THE THDA SWS
 THE OBJECTIVE IS TO REDUCE THE PRESSURE PAN READINGS TO LESS THAN
 1 OR AS TIGHT AS POSSIBLE.
 PRESSURE PAN READINGS:
 RETURN 10.8
 LIVING ROOM 6.4, 1.2
 KITCHEN 1.3
 BEDROOM 0.5
 BEDROOM 12.4
 BATH ROOM -not accessible
 BEDROOM 7.6
 BATH ROOM 8.2

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Insulation | Duct sealing (setup cost) | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Miscellaneous Supplies | Duct Sealing | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 2 General Air Sealing

Components

Inspected

Comment Initial Blower Door Reading: 2908 @-50
 Post Work Target of 864 @-50 Must Be Met or Exceeded
 Suggested Best Practice of Air Infiltration Reduction is to use two-part foam and appropriate materials to seal the penetrations and openings in the Sub-floor (accessible in the crawl space) and in the ceilings (accessible in the attic).
 If applicable- rake back existing insulation and use two-part foam to seal the top plates of the walls. Use Rigid Foam Board and two-part foam to close and seal openings and penetrations of soffits, chases, and duct perimeters.

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Insulation | General air sealing (setup cost) | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Miscellaneous Supplies | Infiltration Reduction | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | | <input type="text"/> |

Field Notes:

Measure 3 Water Heater Replacement

Components

Inspected

Comment REMOVE AND REPLACE THE 30 GALLON ELECTRIC WATER HEATER WITH A NEW 40 GALLON .93 ENERGY FACTOR WATER HEATER. INSTALL AS PER THE TN SWS, WITH EXPANSION TANK AND PRESSURE RELIEF PIPE, EXTEND THE PIPE TO THE OUTSIDE OF THE FOUNDATION.

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Hot Water Equipment | Any - Any | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | | <input type="text"/> |

Field Notes:

Measure 4 DWH Pipe Insulation

Components

Inspected

Comment INSULATE THE FIRST 6 FEET OF HOT AND COLD-WATER PIPE OUT OF THE WATER HEATER AS PER THE TN SWS

Estimated

Actual

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | |
|---|-----------------|---------------------|------|-----|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total |
| 1 | Insulation | DWH Pipe Insulation | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2 | Labor | DWH Pipe Insulation | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Other Detail

| | | | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Measure Sub Total

Sub Total

Field Notes:

Measure 5 Roof Fiberglass Loose

Components

Inspected

Comment Insulate Mobile Home Roof cavity with loose fill Fiberglass insulation. Gain Access with Progress-Cut holes in roof or ceiling, or Gable to fill cavity to insert insulation machine nozzle. Ensure that hole is large enough for nozzle. Ensure that each hole cut is to be patched with appropriate materials to insure no leaks. If installed from interior use proper plugs for holes cut in ceiling area. A dated receipt signed by the installer will be provided that includes:

- Insulation type- Must be Fiberglass
- Coverage area
- R-value
- Installed thickness and minimum settled thickness
- Number of bags installed in accordance with manufacturer specifications

Objective(s):
 Document job completion to contract specifications
 Confirm amount of insulation installed
 Ensure ability to match bags required for total area completed

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|----------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Insulation | Roof Insulation - Fbergl,Blwn | Bag | 18 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Labor | Roof Insulation - Fbergl,Blwn | Bag | 18 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 6 CO Monitor is Needed

Components

Inspected

Comment INSTALL A CO MONITOR AS PER THE TN SWS

| # | Material/Labour | Description/Comment | Unit | Estimated | | | Actual | | |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | Qty | Unit Cost | Total | Qty | Unit Cost | Total |
| 1 | Unspecified | Misc Material | Each | 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Other Detail | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 7 Fix Improper Venting (Clothes Dryer)

Components

Inspected

Comment VENT THE CLOTHES DRYER AS PER THE TN SWS- INSULATE IN THE VENT PIPE IN UNCONDITIONED SPACES

| # | Material/Labour | Description/Comment | Unit | Estimated | | | Actual | | |
|--------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | Qty | Unit Cost | Total | Qty | Unit Cost | Total |
| 1 | Health and Safety Items | Equipment | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 2 | Labor | Labor | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Other Detail | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 8 **Fix Not Operational Bathroom Exhaust Fan**

Components

Inspected

Comment VENT THE CLOTHES DRYER AS PER THE TN SWS- INSULATE IN THE VENT PIPE IN UNCONDITIONED SPACES

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Health and Safety Items | Equipment | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Labor | Labor | Hour | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 9 **Fix Wiring Problems (Walls)**

Components

Inspected

Comment INSTALL A WEATHERPROOF COVER PLATE OVER THE EXTERIOR ELECTRICAL OUTLET

INSTALL A JUNCTION BOX ENCLOSING THE ELECTRICAL WIRES IN THE RETURN PLENUM

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Health and Safety Items | Equipment | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Labor | Labor | Hour | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | | <input type="text"/> | Sub Total | | <input type="text"/> |

Field Notes:

Measure 10 PressureRelief Piping Needed

Components

Inspected

Comment

INSTALL A PRESSURE RELIEF PIPE EXTENSION AS PER THE TN SWS- EXTEND TO OUTSIDE OF THE FOUNDATION, TURN DOWN WITH AN ELBOW AND TERMINATE THE PIPE TO WITHIN 6" OF EXTERIOR GRADE.

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|-------------------------|------------------------|------|-----|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Health and Safety Items | Pressure relief piping | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Labor | Labor | Each | 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| | | | | | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | | <input type="text"/> |

Field Notes:

Measure 11 Smoke Detector is Needed

Components

Inspected

Comment

INSTALL SMOKE DETECTORS IN ALL BEDROOMS AND COMMON AREA (HALLWAY)

| # | Material/Labour | Description/Comment | Unit | Qty | Estimated | | Actual | | | |
|--------------------------|-------------------------|---------------------|------|-----|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Unit Cost | Total | Qty | Unit Cost | Total | |
| 1 | Health and Safety Items | Smoke detector | Each | 5 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| 2 | Labor | Labor | Each | 5 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Other Detail | | | | | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| | | | | | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Measure Sub Total | | | | | | <input type="text"/> | Sub Total | | | <input type="text"/> |

Field Notes:

| | | | |
|---------------------------------|----------------------|---------------------|----------------------|
| Work Ordere Grand Total: | <input type="text"/> | Grand Total: | <input type="text"/> |
|---------------------------------|----------------------|---------------------|----------------------|