



# Work Order (Bid Form)

Blount County Community Action Agency

## WORK ORDER INFORMATION

**Work Order Name:** WO/10001BL10072/2

**Work Order Type:** Weatherization

**Audit Name:** 10001BL10072/2

## CLIENT INFORMATION

**Client Name:**

**Address:**

**Client ID:** 10001BL10072

MARYVILLE, TN 37804

**Alt. Client ID:** BLOUNT

## AGENCY INFORMATION

**Agency:** Blount County Community Action Agency

**Agency Phone:** (865) 983-8411

**Address:** 3509 Tuckaleechee Pike  
Maryville, TN 37703

**Fax:** (865) 681-1781

**Email Address:** mdslam12@yahoo.com

**Company Name & License Number:** \_\_\_\_\_

**Contractor's Signature:** \_\_\_\_\_

## COMMENT

1064 SQ. FT. MOBILE HOME MANUFACTURED IN THE EARLY 1980's.

ALL WORK TO BE DONE IN ACCORDANCE WITH THE TENNESSEE STANDARD WORK SPECIFICATIONS AS ADOPTED BY THE TENNESSEE HOUSING DEVELOPEMANT AGENCY.

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

SURVEY ON 10/6/2016 BY RON CARLISLE (423) 736-0678

INITIAL BLOWER DOOR 4691 @-50

POST WORK TARGET 2815 @-50 MUST BE REACHED OR EXCEEDED

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**Work Order Name:** WO/10001BL10072/2

**Report Run On:** 10/25/2016

**DOE Weatherization Assistant**

**Version 8.9.0**

**Page 1 of 9**

# Measures

## Measure 1 Seal Ducts

## Components

Inspected

**Comment** USE MASTIC OR APPROPRIATE MATERIAL TO SEAL THE DUCTWORK 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:

Register #Location+Register Type^Initial Pressure (Pa)

1Bdrm1Supply22.6

2Bath1Supply25.2

3KitchenSupply24.4

4Living RoomSupply21.7

5Living RoomSupply23.1

6HallwayReturn27.5

7Bdrm2Supply19.9

8Bath2Supply25.7

9Bdrm3Supply16.5

### Estimated

### Actual

#	Material / Labor	Description / Comment	Units	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"/>
10	Miscellaneous Su	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"/>
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Measure Sub Total:

Sub Total:

### Field Notes:

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Work Order Name: WO/10001BL10072/2

Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 2 of 9

**Measure 2 General Air Sealing**

**Components**

*Inspected*

**Comment** Initial Blower Door Reading:4691 @-50

Post Work Target of 2815 @-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 Subfloor (accessible in the belly) and in the ceilings (accessible in the roof).

#	Material / Labor	Description / Comment	Units	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"/>
10	Miscellaneous Su	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"/>
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**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 3 DWH Tank Insulation**

**Components**

*Inspected*

**Comment** AS PER THE TN SWS- Wrap the 50 Gallon Electric Water Heater Located in the Closet With R-10 or Better Insulation. Secure With Tape And Zip Ties.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DWH Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DWH Tank 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:**

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Work Order Name: WO/10001BL10072/2

Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 3 of 9

**Measure 4 DWH Pipe Insulation**

**Components**

**Inspected**

**Comment** INSULATE THE FIRST SIX FEET HOT AND COLD OF WATER LINES OUT OF THE WATER HEATER AS PER THE TN SWS

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	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"/>
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**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 5 Glass Storm Windows**

**Components 1**

**Inspected**

**Comment** Replace the Broken Storm Window - Approximately 30" x 53"  
See Diagram for Location

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Glass storm windows	SqFt	11.04	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Glass storm windows	SqFt	11.04	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Glass storm windows	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"/>
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**Measure Sub Total:**

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Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 4 of 9

**Measure 6 Glass Storm Windows**

**Components 8**

**Inspected**

**Comment** Replace the Broken Storm Window - Approximately 30" x 73"- This Window is a Trapezoid  
See Diagram for Location

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Glass storm windows	SqFt	15.21	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Glass storm windows	SqFt	15.21	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Glass storm windows	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"/>
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**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 7 Glass Storm Windows**

**Components 9**

**Inspected**

**Comment** Replace the Broken Storm Window - Approximately 30" x 53"  
See Diagram for Location

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Glass storm windows	SqFt	15.21	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Glass storm windows	SqFt	15.21	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Glass storm windows	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"/>
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Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 5 of 9

**Measure 8 Roof Fiberglass Loose**

**Components**

*Inspected*

**Comment** Insulate Mobile Home Roof cavity with loose fill Fiberglass insulation.  
 In Progress-Cut holes in roof or ceiling 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 / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Roof Insulation - FberglS,Blwn	Bag	21	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Roof Insulation - FberglS,Blwn	Bag	21	<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"/>

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Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 6 of 9

**Measure 9 CO Monitor is Needed**

**Components**

**Inspected**

**Comment** Install a CO monitor as per the TN SWS

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	CO monitor	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"/>

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 10 Fix Improper Venting (Clothes Dryer)**

**Components**

**Inspected**

**Comment** VENT THE CLOTHES DRYER TO THE OUTSIDE- AS PER THE TN SWS

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	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**

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<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:**

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Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 7 of 9

**Measure 11 Install Bathroom Exhaust Fan**

**Components**

*Inspected*

**Comment** INSTALL BATH FAN WITH A NEW TWO SPEED ASHRAE COMPLIANT FAN. SET TO 30 CFM CONTINOUS. VENT TO THE OUTSIDE WITH A TRIM KIT AS PER THE TN SWS.

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Bathroom exhaust fan	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:**

**Sub Total:**

**Field Notes:**

**Measure 12 PressureRelief Piping Needed**

**Components**

*Inspected*

**Comment** INSTALL A PRESSURE RELIEF PIPE EXTENSION AS PER THE TN SWS

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	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"/>
<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:**

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Report Run On: 10/25/2016

DOE Weatherization Assistant

Version 8.9.0

Page 8 of 9



**Measure 13 Smoke Detector is Needed**

**Components**

**Inspected**

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

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Smoke detector	Each	3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	3	<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"/>
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**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Work Order Grand Total:**

**Grand Total:**