



# Work Order (Bid Form)

Blount County Community Action Agency

## WORK ORDER INFORMATION

**Work Order Name:** WO/10001BL10083/1

**Work Order Type:** Weatherization

**Audit Name:** 10001BL10083

## CLIENT INFORMATION

**Client Name:**

**Client ID:** 10001BL10083

**Alt. Client ID:** BLOUNT

**Address:**

TOWNSEND, TN 37882

## AGENCY INFORMATION

**Agency:** Blount County Community Action Agency

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

**Agency Contact:** Carlisle, Ron

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

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

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

**Work Phone:**

**Cell Phone:** (423) 736-0678

**Email Address:** ronald.carlisle@gmail.com

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

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

## COMMENT

937 SQUARE FOOT RANCH BUILT ON A PARTIALLY DUG OUT BASEMENT AND LOW CRAWL SPACE IN WITH AN METAL ROOF AND WOOD SIDING.

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 10/11/2016 BY RON CARLISLE (423) 736-0678  
INITIAL BLOWER DOOR 3806 @-50  
POST WORK TARGET 2664 @-50 MUST BE REACHED OR EXCEEDED

CERTIFIED FIRM/RENOVATOR REQUIRED

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

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# Measures

<b>Measure 1 REPAIR MINOR ROOF LEAKS</b>				<b>Components</b>			<b>Inspected</b>			
<b>Comment</b>							<input type="checkbox"/>			
#	Material / Labor	Description / Comment	Units	Estimated		Actual				
				Qty	Unit Cost	Total	Qty	Unit Cost	Total	
10	Unspecified	Misc Material	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
11	Labor	LABOR	Hour		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>Other Detail</b>										
<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"/>	
<b>Measure Sub Total:</b>							<input type="text"/>	<b>Sub Total:</b>		<input type="text"/>
<b>Field Notes:</b>										

<b>Measure 2 Infiltration Redctn</b>				<b>Components</b>			<b>Inspected</b>			
<b>Comment</b>							<input type="checkbox"/>			
Initial Blower Door Reading: 3806 @-50										
Post Work Target of 2664 @-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 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 / Labor	Description / Comment	Units	Estimated		Actual				
				Qty	Unit Cost	Total	Qty	Unit Cost	Total	
10	Miscellaneous Su	Infiltration Reduction	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
11	Labor	LABOR	Hour		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>Other Detail</b>										
<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"/>	
<b>Measure Sub Total:</b>							<input type="text"/>	<b>Sub Total:</b>		<input type="text"/>
<b>Field Notes:</b>										

**Measure 3 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	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW 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"/>

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 4 Wall Insulation**

**Components** E1,E2,E3,N1,S1,S2, S3,S4,W1,W2

**Inspected**

**Comment** Contractor must use a dense pack blowing machine. Using fill tube, 100% of each cavity will be filled to a consistent density: Cellulose material will be installed to a minimum density of 3.5 pounds per cubic foot

Install Chair Rail at the appropriate height to cover the plugs to be installed in the holes that are created to facilitate insulation installation.

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	936	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	936	<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"/>

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**Sub Total:**

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**Measure 5 Floor Ins. R-19**

**Components F1**

**Inspected**

**Comment** REMOVE AND PROPERLY DISPOSE OF THE EXISTING IMPROPERLY INSTALLED AND FALLEN FLOOR INSULATION- APPROXIMATELY 300 SQ. FT.

INSTALL R-19 FIBERGLASS BATTS IN BETWEEN THE 2 X 8 FLOOR JOISTS @ 16 inches O.C. AS PER THE TN SWS.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Floor Insulation - Fiberglass Batts - R-19	SqFt	308	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Floor Insulation - Fiberglass Batts - R-19	SqFt	308	<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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**Comment** SLIT THE PAPER AND PLASTIC FACING ON THE EXISTING BATT INSULATION IN THE ATTIC.

INCREASE THE EXISTING ATTIC INSULATION TO A CONSISTANT 12 INCH DEPTH WITH BLOWN CELLULOSE. FOLLOW THE TENNESSEE STANDARD WORK SPECIFICATONS

All electrical junction boxes will be flagged to be seen above the level of the insulation.

Open electrical junction boxes will have covers installed. Insulation dams and enclosures will be installed as required

Insulation will be adequately marked for depth a minimum of every 300 square feet of attic area.

ATTIC ACCESS IS VENT ON FRONT GABLE

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Blown Cellulose - R-30	SqFt	937	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Blown Cellulose - R-30	SqFt	937	<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 7 DWH Tank Insulation**

**Components**

*Inspected*

**Comment** AS PER THE TN SWS- Wrap the 40 Gallon Electric Water Heater Located in the With R-10 or Better Insulation. Secure With Tape And Zip Ties.

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equip	DHW Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW 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"/>

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 8 Refrigerator Rplcmnt**

**Components**

*Inspected*

**Comment** REPLACE THE 15.5 CUBIC FT. REFRIGERATOR WITH A NEW 21 CUBIC FT. FRIDGE. HINGE THE DOOR APPROPRIATELY.

REMOVE AND PROPERLY DISPOSE OF THE EXISTING FRIDGE.

#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
10	Refrigerators	Any - 15 CU FT	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11	Labor	LABOR	Hour		<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"/>

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**Measure 9 Storm Windows**

**Components** 7,6,4

**Inspected**

**Comment** Storm Windows should be sized correctly and fit tightly in the opening. Caulk storm windows around the frame except for weep holes at the bottom that must not be sealed. If weep holes are not manufactured into the storm they should be drilled.

Refer to house diagram with window sizes. Responsibility of contractor to verify measurements in the field before ordering window

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Storm Window	SqFt	22.14	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Storm Window	SqFt	22.14	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Storm Window	Each Window	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"/>	<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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**Measure 10 Low-E Windows**

**Components** 1,3,5,2

**Inspected**

**Comment** FOLLOW THE PROCEDURAL GUIDANCE OF THE THDA STANDARD WORK SPECIFICATIONS FOR WINDOW REPLACEMENT. 3.1203.2a (page 272) AND ASSOCIATED PAGES

Refer to house diagram with window sizes. Responsibility of contractor to verify measurements in the field before ordering window.

REPLACE THE EXISTING METAL WINDOWS WITH NEW LOW E DOUBLE PANE, DOUBLE HUNG VINYL WINDOWS. REPLACEMENT WINDOWS SHOULD BE U-.35 OR LESS, AND SHGC OF LESS THAN .30

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Low E Window	SqFt	36.26	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Low E Window	SqFt	36.26	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Low E Window	Each Window	4	<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:**

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**Measure 11 CO Monitor is Needed**

**Components**

**Inspected**

**Comment** INSTALL A CO MOINITOR 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 12 Fix Wiring Problems (Walls)**

**Components**

**Inspected**

**Comment** REPLACE THE MISSING ELECTRICAL SWITCH AND RECEPTICAL BOX COVERS, APPROXIMATELY 3 NEEDED  
INSTALL JUNCTION BOXES AT WIRE CONNECTIONS- APPROXIMATELY 4 NEEDED, BASEMENT,ATTIC, WATER HEATER, LIGHT CONNECTION.

#	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	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"/>

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**Measure 13 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"/>

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

**Measure 14 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
1	Health and Safety	Pressure relief piping	Each	1	<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"/>

**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"/>

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**Measure 15 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"/>
<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:**

**Work Order Grand Total:**

**Grand Total:**