



Work Order (Bid Form)

Blount County Community Action Agency, Inc.

WORK ORDER INFORMATION

Work Order Name: WO/10001BL10078/1
Work Order Type: Weatherization
Audit Name: 10001BL10078

CLIENT INFORMATION

Client Name: _____ **Address:** _____
Client ID: 10001BL10078 ALCOA, TN 37701
Alt. Client ID: BLOUNT

AGENCY INFORMATION

Agency: BLOUNT COUNTY COMMUNITY ACTION AGENCY **Agency Phone:** (865) 983-8411
Address: 3509 Tuckaleechee Pike **Fax:** (865) 681-1781
Maryville, TN 37803 **Email Address:** mlong@blountcaa.org
Agency Contact: Carlisle **Work Phone:** _____
Cell Phone: (423) 736-0678
Email Address: ronald.carlisle@gmail.com

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

1000 SQ. FT. RANCH BUILT ON A BASEMENT IN 1943. VINYL SIDING OVER ASBESTOS SIDING.
ASPHALT SHINGLE ROOF.

*****NOTE THAT THE CLIENT HAS RESPIRATORY DISTRESS AND BLOWER DOOR WAS DONE TO
PRESSURIZE THE HOME TO PREVENT CONTAMINANTS FROM BEING PULLED INTO THE HOME.*****
INFORM THE CLIENT BEFORE INSTALLING INSULATION IN THE HOME, CLIENT HAS AGREED TO LEAVE
THE INSIDE TO ALLOW WORK TO BE DONE.****

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 BY 5/2/2016 RON CARLISLE (423) 736-0678
INITIAL BLOWER DOOR 2602 @ +50
POST WORK TARGET 1800 @+ 50 MUST BE REACHED OR EXCEEDED

CERTIFIED FIRM/RENOVATOR REQUIRED

Measures

Measure 1 Infiltration Redctn

Components

Inspected

Comment Initial Blower Door Reading: 2602 @+50

Post Work Target of 1800 @+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"/>	
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"/>

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Measure 2 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. Bubble Wrap Insulation is NOT Allowed. Refer to the THDA Standard Work Specifications.

Gas Water Heaters-

Keep insulation at least 2 inches away from gas valve and burner access panel. Don't install insulation below the burner access panel .Flammable Vapor Ignition Resistant models have combustion intake vents that must be left open. Follow the manufacturer's instructions when installing insulation blankets on (FVIR) water heaters so to not damage unit. Don't cover the pressure relief valve and discharge pipe with insulation. Don't insulate the tops of gas fired water heaters to avoid obstructing drat diverter. After locating the thermostat and heating element access plates and data plate cut the blanket at these locations. Don't cover the pressure relief valve and discharge line.

#	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"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

Field Notes:

Measure 3 DWH Pipe Insulation

Components

Inspected

Comment Insulate the first 6 feet of hot and cold water pipe from water heater. Both hot and cold water pipes should be insulated to R-3 for first 6ft. Cover elbows, unions, and other fittings sized to fit snug on pipe.

Keep pipe insulation 6 inches away from single wall vent pipe and 1 inch away from Type B vent. Interior diameter of pipe sleeve must match exterior diameter of pipe. Secure with tape.

Refer to Tennessee Housing Development Agency Standard Work Specifications.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					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"/>
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Measure 4 Attic Ins. R-38

Components A1

Inspected

Comment 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.

INSTALL AN ENERGY LID OVER THE ATTIC ACCESS – W/S AND INSULATE

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Blown Cellulose - R-38	SqFt	1000	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Blown Cellulose - R-38	SqFt	1000	<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 5 Floor Ins. R-19

Components F1

Inspected

Comment 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	1000	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Floor Insulation - Fiberglass Batts - R-19	SqFt	1000	<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 6 Wall Insulation

Components E1,N1,N2,S1,S2,S3, W1,W2,W3 **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.

INSTALL A MISSING ELECTRICAL SWITCH COVER PLATE IN THE BEDROOM

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	1204					
2	Labor	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	1204					
3	Miscellaneous Su	Added Misc Cost	Each	1					
4	Miscellaneous Su	Added Misc Cost	Each	1					
5	Miscellaneous Su	Added Misc Cost	Each	1					
6	Miscellaneous Su	Added Misc Cost	Each	1					
7	Miscellaneous Su	Added Misc Cost	Each	1					
8	Miscellaneous Su	Added Misc Cost	Each	1					
9	Miscellaneous Su	Added Misc Cost	Each	1					
10	Miscellaneous Su	Added Misc Cost	Each	1					

Other Detail

Measure Sub Total: **Sub Total:**

Field Notes:

Measure 7 CO Monitor is Needed

Components

Inspected

Comment INSTALL A BATTERY OPERATED CO MONITOR

#	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 8 Fix Any Other Venting Related Problem (Water Heat)

Components

Inspected

Comment VENT THE ATMOSHPERIC VENTED WATER HEATER TO THE OUTSIDE AS PER CODE

CALL RON CARLISLE 423 736-0678 FOR DIRECTION

#	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 9 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	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"/>

Measure Sub Total:

Sub Total:

Field Notes:

Measure 10 Fix Improper Venting Kitchen Exhaust Fan

Components

Inspected

Comment EXISTING KITCHEN HOOD FAN IS VENTED INTO THE ATTIC- VENT TO THE OUTSIDE WITH A TRIM KIT AND DAMPER AS PER THE TN SWS

INSTALL A JUNCTION BOX AT THE HOOD FAN ELECTRICAL CONNECTION

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

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 11 Install Bathroom Exhaust Fan

Components

Inspected

Comment INSTALL A NEW TWO SPEED ASHRAE COMPLIANT BATH FAN, COMPLETE WITH NEW WIRING. VENT TO THE OUTSIDE WITH A DAMPER AND TRIM KIT. SET FOR 30 CFM CONTINUOUS EXHAUST

#	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	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"/>

Measure Sub Total:

Sub Total:

Field Notes:

Measure 12 PressureRelief Piping Needed

Components

Inspected

Comment INSTALL A PRESSURE RELIEF PIPE EXTENSION AS PER TNWFG

#	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 13 Smoke Detector is Needed

Components

Inspected

Comment INSTALL A BATTERY OPERATED SMOKE DETECTOR IN EACH BEDROOM

#	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"/>

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**Measure 14 Vapor Barrier Needed
(Basement/Crawlspace)**

Components

Inspected

Comment Install a ground moisture barrier that covers the exposed crawl space floor AROUND THE PERIMETER - APPROXIMATELY 440 SQ. FT.
 Must be 6 mil BLACK poly. Must be installed in 100% of crawlspace, without voids or gaps, with 6" turned up all foundation walls and interior support piers and must be securely fastened to foundation and support piers using (wood furring strips) . Must be secured at all seams with Moisture-resistant adhesive tape and a durable sealant. When seams exist, they will be overlapped a minimum of 12" using reverse or upslope lapping technique using a shingle method to keep water out.
 Refer to Tennessee Housing Development Agency Standard Work Specifications.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Basement / crawlspace vapor barrier	SqFt	140	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	SqFt	140	<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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Work Order Grand Total: **Grand Total:**

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