



Work Order Bid (ID)

WORK ORDER INFORMATION

Work Order Name: WO/1002823/1

Work Order Type: Weatherization

Audit Name: 1000734

CLIENT INFORMATION

Client ID: 1002823

Alt. Client ID: C1002879SA101

County: Hancock

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

644 SQUARE FOOT RANCH BUILT ON A LOW CRAWL SPACE IN 1960 WITH A METAL ROOF.
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.

SPECIAL NOTE- THE CLIENT HAD MANY ITEMS STORED IN THE HOME AT THE TIME OF THE AUDIT. THE
CLIENT STATED THAT THEY WOULD BE ABLE TO MOVE THE ITEMS OUT BEFORE THE CONTRACTOR
WORK WAS TO BE STARTED. CONTACT THE CLIENT TO ENSURE THE ITEMS HAVE BEEN REMOVED
FROM THE HOME AND TO NOTIFY THE CLIENT OF INTENDED WORK SCHEDULE.

SURVEY ON 2/25/2020 BY RON CARLISLE (423) 736-0678
INITIAL BLOWER DOOR 4505 @-50
POST WORK TARGET OF 1244 @-50 MUST BE MET OR EXCEEDED
Contractor required to observe both RRP rule and LSW practices.
RRP Certified Firm/Renovator Required

Measure 1 Infiltration Redctn

Components

Inspected

Comment

Initial Blower Door Reading: 4505 @-50
 Post Work Target of 1244 @-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	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 2 Attic Ins. R-30

Components A1

Inspected

Comment INCREASE THE EXISTING ATTIC INSULATION TO A CONSISTENT 16 INCH DEPTH WITH BLOWN FIBERGLASS. FOLLOW THE TENNESSEE STANDARD WORK SPECIFICATIONS

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.

ACCESS MAY BE GAINED THROUGH THE GABLE VENT OR BY CREATING AN ATTIC ACCESS, INSTALL AN ENERGY LID OVER THE ATTIC ACCESS – W/S AND INSULATE

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Insulation	Attic Insulation - Blown Fiberglass - R-30	SqFt	644	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	Labor	Attic Insulation - Blown Fiberglass - R-30	SqFt	644	<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 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

#	Material/Labour	Description/Comment	Unit	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						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 4 DWH Replacement

Components

Inspected

Comment REMOVE AND REPLACE THE 30 GALLON ELECTRIC WATER HEATER WITH A NEW 30 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	Estimated			Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total	
1	Hot Water Equipment	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"/>	
Measure Sub Total						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 5 Refrigerator Rplcmnt

Components

Inspected

Comment Replace the Existing Refrigerator with a New 18 Cubic Foot Energy Star Refrigerator.
Hinge the Door Appropriately.

Remove and Properly Dispose of the Old Refrigerator.

#	Material/Labour	Description/Comment	Unit	Estimated			Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total	
1	Refrigerators	Any - 18 CU FT	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						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 6 Wall Insulation

Components E1,N1,N4,S1,S2,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.

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Insulation	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	519.0 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	Labor	Wall Insulation - Blown Cellulose - 2x4 Filled	SqFt	519.0 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	Miscellaneous Supplies	Added Misc Cost	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						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 7 Storm Windows

Components WD2,WD6

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/Labour	Description/Comment	Unit	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	Storm Window	SqFt	20.47					
2	Other	Storm Window	Each Window	2					
3	Windows	Storm Window	SqFt	20.47					
Other Detail									
Measure Sub Total							Sub Total		

Field Notes:

Measure 8 CO Monitor is Needed

Components

Inspected

Comment INSTALL A CO MONITOR AS PER THE TN SWS

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety Items	CO monitor	Each	1					
2	Labor	Labor	Each	1					
Other Detail									
Measure Sub Total							Sub Total		

Field Notes:

Measure 9 Fix Wiring Problems (Walls)

Components

Inspected

Comment INSTALL A JUNCTION BOX OVER THE WIRE CONNECTIONS (BY THE BREAKER PANEL)

INSTALL A WEATHER PROOF BOX OVER THE WIRE OUTLET ON THE EXTERIOR WALL

#	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 Install Bathroom Exhaust Fan

Components

Inspected

Comment INSTALL A NEW TWO SPEED ASHRAE COMPLIANT FAN. SET TO 40 CFM CONTINUOUS. VENT TO THE OUTSIDE WITH A TRIM KIT AS PER THE TN SWS.

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Health and Safety Items	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						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 11 Practice Lead Safe Weatherization (Walls)

Components

Inspected

Comment PRACTICE LEAD SAFE WEATHERIZATION- SUBMIT PICTURES TO THE AGENCY WITH CONTRACTOR INVOICE

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Health and Safety Items	Practice Lead Safety	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							<input type="text"/>	Sub Total		<input type="text"/>

Field Notes:

Measure 12 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	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							<input type="text"/>	Sub Total		<input type="text"/>

Field Notes:

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