



Work Order Bid (ID)

WORK ORDER INFORMATION

Work Order Name: WO/1003275/1

Work Order Type: Weatherization

Audit Name: 1002078

CLIENT INFORMATION

Client ID: 1003275

Alt. Client ID: C1003359SA101

County: Washington

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

938 SQUARE FOOT SINGLE WIDE MOBILE HOME MANUFACTURED IN 1982.
ALL WORK TO BE DONE IN ACCORDANCE WITH THE TENNESSEE STANDARD WORK SPECIFICATIONS
AS ADOPTED BY THE TENNESSEE HOUSING DEVELOPMENT AGENCY.
SQUARE
CONTRACTOR IS RESPONSIBLE TO VERIFY DIMENSIONS AND SCOPE OF WORK PRIOR TO BID.

SURVEY ON 12/12/2019 BY RON CARLISLE (423) 736-0678
INITIAL BLOWER DOOR 5000 @-50
POST WORK TARGET 1876 @-50 MUST BE REACHED OR EXCEEDED
Located in Jonesborough, TN
Washington County

Measure 1 General Air Sealing

Components

Inspected

Comment Initial Blower Door Reading: 5000 @-50
 Post Work Target of 1876 @-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.
 INSTALL EXTERIOR DOOR KNOBS - FRONT AND BACK DOORS

#	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 **Sub Total**

Field Notes:

Measure 2 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	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"/>
Measure Sub Total						<input type="text"/>	Sub Total		<input type="text"/>

Field Notes:

Measure 3 DWH Tank Insulation

Components

Inspected

Comment AS PER THE TN SWS- Wrap the Electric Water Heater With R-10 or Better Insulation. Secure with Tape and Zip Ties.

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

Field Notes:

Measure 4 Glass Storm Windows

Components WD5

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	Glass storm windows	SqFt	11.04	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	Other	Glass storm windows	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	Windows	Glass storm windows	SqFt	11.04	<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 5 Glass Storm Windows

Components 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	Glass storm windows	SqFt	10	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	Other	Glass storm windows	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3	Windows	Glass storm windows	SqFt	10	<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 Glass Storm Windows

Components WD9

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	Glass storm windows	SqFt	5.44					
2	Other	Glass storm windows	Each	1					
3	Windows	Glass storm windows	SqFt	5.44					

Other Detail

Measure Sub Total **Sub Total**

Field Notes:

Measure 7 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 8 Fix Other Water Heating Problem

Components

Inspected

Comment REPLACE THE EXISTING 30 GALLON ELECTRIC WATER HEATER WITH A NEW ELECTRIC WATER HEATER WITH AN ENERGY FACTOR OF 0.93 OR BETTER. MEASURE INCLUDES PAN, PRESSURE RELIEF PIPING, EXPANSION TANK, INSTALLATION TO BE 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	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 Water Leaks Present (Attic)

Components

Inspected

Comment REPAIR MINOR ROOF LEAKS- 3 EXIST IN HEAVY RAIN
 1. SKY LIGHT
 2. BATH ROOM
 3. BATH ROOM

#	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 Fix Wiring Problems (Walls)

Components

Inspected

Comment REPLACE THE MISSING ELECTRICAL OUTLET AND SWITCH-PLATE COVERS - APPROXIMATELY 10 SOME OUTLETS PULLED FROM WALLS- NEED OLD WORK BOXES OR ENCLOSURES
 INSTALL WEATHER PROOF ELECTRICAL OUTLET COVER ON EXTERIOR
 INSTALL BLANK OFF PLATE OVER EXTERIOR FIXTURE BOX

#	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 11 Install Bathroom Exhaust Fan

Components

Inspected

Comment INSTALL BATH FAN WITH 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.

*****INSTALL A 6' VENT PIPE TO ENSURE PROPER VENTILATION*****

#	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 12 Install New Heat Pump and Duct System

Components

Inspected

Comment INSTALL A NEW 30 Kbtu/h HEAT PUMP-INCLUDE DUCT WORK NEEDED.
 Mechanical permits will be required for all HVAC work, as per local code. All Heat pumps installed to be 15 SEER, 8.5 HSPF. All cooling equipment, ENERGY STAR labeled and shall be sized according to the latest editions of ACCA Manuals J and S. Specification of any type of heating unit shall be taken to include all connections, wiring, ducting, safety switches, thermostats, pad if existing does not fit new unit and all other work to provide a complete, Tight, efficient, balanced and operational system. All wiring shall be on separate circuits, wired from panel box or disconnects to HVAC unit by contractor. If installing a split system that does not have existing line set the cost should be included in bid to provide new line set. If leaving the existing line set the line is to be flushed and pressurized to insure no leakage. If installing a package unit, it is to include a four-sided shroud. All work to meet current code for city or county work is being performed. Must provide all warranty information with invoice. If unit warranty

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Unspecified	Misc Material	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 13 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	4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2	Labor	Labor	Each	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"/>	
Measure Sub Total						<input type="text"/>	Sub Total			<input type="text"/>

Field Notes:

Measure 14 Fix Improper Venting (Clothes Dryer)

Components

Inspected

Comment VENT THE CLOTHES DRYER AS PER THE TN SWS- INSULATE IN THE 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	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:

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