



Work Order Bid (ID)

5712 French Market Circle

WORK ORDER INFORMATION

Work Order Name: WO/1001470/1

Work Order Type: Weatherization

Audit Name: 1000603

CLIENT INFORMATION

Client ID: 1001470

Alt. Client ID: C1001487SA101

AGENCY INFORMATION

Agency: City of Memphis Division of
Housing and Community
Development

Address: 701 N Main St
Memphis TN 38107

Agency Phone: 1-901-576-7300

Agency Fax:

Email Address: paul.young@memphistn.gov

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

House was built in 1987 and is 1300 sq ft.

Measure *Replace Sliding Glass Door- Kitchen*

Components

Inspected

Comment Sliding glass door off the kitchen needs to be replaced with a double pane low E sliding glass door. Dimensions are 59" wide and 80" tall. Contractor will need to verify width and height. Contractor to follow SWS for proper installation, to include fit and operation, air sealing, and moisture prevention.

#	Material/Labour	Description/Comment	Unit	Estimated			Actual			
				Qty	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 *Seal Ducts*

Components

Inspected

Comment Contractor to reduce total leakage rate to 156 cfm25. Initial total duct blaster reading was 535 cfm25. There is a 17' linear section of 10" flex duct that has a hole in it. This section will need to be replaced with R-8 10" flex duct. Contractor to follow SWS

#	Material/Labour	Description/Comment	Unit	Estimated			Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total	
1	Miscellaneous Supplies	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"/>	<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 Infiltration Redctn

Components

Inspected

Comment Contractor to reduce the air infiltration from 2461 cfm50 to 1300 cfm50. Contractor should start in the attic focusing on duct, plumbing, and electrical penetrations, all accessible top plates should be sealed. There are two attic accesses that should be weather stripped and air tight when the hatch is installed. Front door needs to be re-weather stripped and a threshold should be added to the door. Seal exterior penetrations. There is a chimney that will require fire proof caulking and and proper daming prior to insulating. Material to seal around chimney should be a 26 guage steel sheeting. Contractor to follow SWS.

#	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 DWH Pipe Insulation

Components

Inspected

Comment Contractor to install pipe insulation on all accessible pipes located in the closet per SWS

#	Material/Labour	Description/Comment	Unit	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"/>	
<input type="text"/>	<input type="text"/>	<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 Low-E Windows

Components W6

Inspected

Comment Contractor to replace 1 windows, located in the master bedroom. Window dimensions are 33" wide and 71" tall. Window to be a single hung double pane, Low E window. Contractor to follow SWS

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	Low E Window	SqFt	16.27					
2	Other	Low E Window	Each Window	1					
3	Windows	Low E Window	SqFt	16.27					

Other Detail

Measure Sub Total **Sub Total**

Field Notes:

Measure Kneewall Insulation

Components A3

Inspected

Comment Contractor to repair existing R-13 batts to fit in the existing wall cavities. For those cavities that are missing batt insulation, contractor to install R-13 batts in those cavities, no more than 20 sq ft. Contractor to follow SWS guidelines.

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Kneewall Insulation - Fiberglass Batts - R-13	SqFt	450					
2	Labor	Kneewall Insulation - Fiberglass Batts - R-13	SqFt	450					

Other Detail

Measure Sub Total **Sub Total**

Field Notes:

Measure Attic Ins. R-19

Components A1

Inspected

Comment Contractor to install R-19 loose fill fiberglass insulation over the attic flat areas. 2 attic accesses are required to be insulated up to R-30. Contractor to follow SWS guidelines.

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Blown Fiberglass - R-19	SqFt	835	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Blown Fiberglass - R-19	SqFt	835	<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 ASHREA ventilation fan

Components

Inspected

Comment Contractor to REPLACE existing bathroom fan in the hallway bathroom with a Panasonic WHISPER GREEN fan FV-05-11VKS1. Fan should be wired to operate with the switch as well as meet the continuous run time requirement. Ventilation should meet ASHEA 62.2 - 2016. Fan exhaust should exhausted to the outside and insulated with R-8 insulation. Hard pipe is preferred with the shortest run possible. Contractor to follow SWS.

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

Measure Sub Total **Sub Total**

Field Notes:

Measure CO Monitor is Needed

Components

Inspected

Comment 1 CO monitor shall be installed in the hallway, it should be a plug in model with a battery backup. It shall comply with UL 2034. Contractor to follow SWS guidelines

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

Field Notes:

Measure Dryer Vent

Components

Inspected

Comment Contractor to install a new dryer exhaust with a flapper on the exterior termination. The dryer vent shall be installed with the least amount of excess venting and as direct as possible. Contractor to follow SWS.

#	Material/Labour	Description/Comment	Unit	Estimated			Actual			
				Qty	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 HVAC tune-up

Components

Inspected

Comment Contractor to perform a clean and tune on the furnace and a/c. Both exterior and interior coils shall be cleaned. Suction line outside by the condensing unit needs to be reinsulated with R-4 insulation wrap, 17' of insulation. Contractor to follow SWS

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

Field Notes:

Measure Louvered door -16" x 69"

Components

Inspected

Comment Contractor to replace existing door for the mechanical closet with a louvered door.

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

Field Notes:

Measure Smoke Detector is Needed

Components

Inspected

Comment Contractor to install 4 battery operated smoke alarms. 1 in each bedroom and 1 in the utility room off the kitchen. Smoke detectors shall be UL 217 rated. Contractor to follow SWS. Reference spacing details in SWS.

#	Material/Labour	Description/Comment	Unit	Qty	Estimated		Actual			
					Unit Cost	Total	Qty	Unit Cost	Total	
1	Health and Safety Items	Smoke detector	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 Water Heater

Components

Inspected

Comment Contractor to replace existing 40 gallon water heater. Installation is required to pass local codes inspection and a passed inspection ticket will need to be submitted with invoice. Water heater is to have an EF of .95 or greater. Contractor to follow SWS for installation guidelines while adhering to local codes.

#	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:

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