



# Work Order

## WORK ORDER INFORMATION

**Audit Date:** 8/24/2015

**Work Order Name:** WO/360110/1

**Work Order Type:** Weatherization

**Audit Name:** 66914

## CLIENT INFORMATION

**Client Name:** JOHNSON, RENEE D

**Address:** 41936 248TH PLACE

**Client ID:** 360110

MCGREGOR MN 55760

**Alt. Client ID:**

## CLIENT CONTACT INFORMATION

JOHNSON, RENEE D

**Home Phone:** (218) 768-3736

Applicant/Person of Record

**Work Phone:**

**Cell Phone:** (218) 392-0068

## AGENCY INFORMATION

**Agency:** MLB Community Development Weatherization

**Agency Phone:** 320- 532- 4654

**Address:** 43408 Oodena Drive

**Fax:** (320) 532-5334

Onamia MN 56359

**Email Address:** energya@millelacsband.com

**Agency Contact:** Lee

**Work Phone:** (320) 532-4654

**Email Address:** energya@millelacsband.com

**Cell Phone:** (320) 630-7430

FAX#320.532.5334

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

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

## COMMENT

CONTRACTOR MUST GET ALL REQUIRED PERMITS AND INSPECTIONS.

## Measures

Measure		Dryer venting		Components				Inspected	
Comment		<div></div>							
		Estimated				Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Health and Safety	ridged dryer venting and hood Insulate last 3'	Each	1					
		2 - 90s							
		8' of 4" ridged							
		4" dampered hood.							
Other Detail									
Measure Sub Total:						Sub Total:			
Field Notes:									

Measure		Water Heater Replacement		Components				Inspected	
Comment		water tank is leaking						<div></div>	
		Estimated				Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Hot Water Equipm	50 Gallon electric with 2" foam insulation	Each	1					
		installed, wired, plumbing connections and T & P pipe							
Other Detail									
Measure Sub Total:						Sub Total:			
Field Notes:									

Measure		C.O. monitor		Components				Inspected	
Comment									
		Estimated				Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Health and Safety	10 yr kiddie batt operated Digital display mounted 5' up from floor and with in 10'of bedrooms. 1 on each level of house.	Each	3					
Other Detail									
Measure Sub Total:						Sub Total:			
Field Notes:									

Measure 1 Infiltration Redctn					Components		Inspected	
Comment							<input type="checkbox"/>	
#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Total
	Labor	Blower door test per job	Each	1				
		pre, post during air sealing target 1000 cfm 50. document on job book for QCI inspector.						
	Insulation	Foyer and crawl space air sealing	Each	1				
		air seal and insulate penetrations in foyer and crawl space						
	Insulation	Caulk exterior penitrations.	Each	1				
		Windows, utilitys, venting, doors. Use clear paintable silicone.						
	Construction Mate	air sealing marterial for upstairs attic. Knee wall, slants and colar.	Each	1				
		foam, caulk, red tape, duct board						
	Labor	exhaust fan flow testing	Each	3				
		123 cfm continuous post required per ASHRAE 62.2 2013. document on job book for QCI.						
	Insulation	A.C cover	Each	1				
		insulated A.C. cover for exterior. Air seal with weather strip. UV proof.						
	Labor	CAZ depesureization testing per job	Hour	1				
		document on job book for QCI.						
	Insulation	insulate exterior wall to garage.	Each	1				
		aprox 3x5' insulate poly and OSB.						
	Labor	Presure balancing test per job	Each	1				
		all rooms with interior doors. Document on job book for QCI						
	Labor	seal off fire place chimneys	Hour	3				
		seal outside of chimney with sheet metal water tight air tight seal Post notice at fireplace " premanently disabled"						
	Insulation	General air sealing	Hour	10				
		Blower door at audit 2436 cfm. Our target is 1000cfm 50.						

1 Insulation      air seal attic      Hour      10  
0

this attic is 1.5 story house. With knee walls, slants and colar.

**Other Detail**

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

Measure 2 High Eff Furnace				Components H1				Inspected	
Comment				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Heating Equipmen	Duct sealing	Each	1					
		duct seal plenturns, trunk and branch conections. With mastic and mesh.							
1	Heating Equipmen	Lennox EI 296 v UF 2 Stage 70 KBTU	Each	1					
		installed with ducting, wiring,condinsate,gas line. Venting, LP conversion, Honeywell focus 5000 T-Stat, gas presure set to spec, gas leak check. Diagnostic testing will be done by WX QCI. Call QCI upon completion with lead time for inspection. Seal off where old stack goes in to chimney.							
2	Labor	Labor for install	Each	1					
		must have manual J load calculation.							

**Other Detail**

**Measure Sub Total:**

**Sub Total:**

**Field Notes:**

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**Measure 3 Door Replacement****Components D3****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
2	Doors	32x80 Left out swing 1/2 glass 4" jam double bore foam seal and trim. New lock sets with dead bolt. All doors keyed the same. Flush threshold [handicap] old framing standards apply. 80 or 81" R/O. built 1966 check R/O. Door between garage and foyer. Swings left. Into garage. Brown in color.	Each	1					

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:****Measure 4 Door Replacement****Components D33****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Doors	32 x 80 Right swing, 1/2 glass 4" jam double bore. Foam seal and trim. New lock set with dead bolt. All doors keyed the same. Flush threshold [handicap]. Old framing standards apply. 80 or 81" R/O. Home built in 1964. Main entrey door to home. Brown in color.	Each	1					

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:**

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**Measure 5 Door Replacement****Components DR 1****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Doors	32 x 80 left swing 1/2 glass 4" jam double bore  Foam seal and trim. New lockset with dead bolt. All doors keyed the same. Check R/O built in 1966. dining room back door. Brown in color	Each	1					

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:****Measure 6 Door Replacement****Components D4****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Doors	36 x 80 Left swing 6 panel steel 4" Jam  Foam seal and trim. New locksets with deadbolt. All doors keyed the same. check R/O built 1966. Down stairs back door. Brown in color	Each	1					

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:**

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**Measure 7 Window Sealing****Components** win3,win33,win333,win1,win2,win4,win111,win22**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Unit Cost
1	Windows	Window Sealing and weather strip	Each Window	17				
Air seal all windows in house that are not being replaced. Thermax and caulk 3 small basement windows. Down stairs bathroom window to be replaced.								

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:****Measure 8 Window Replacement****Components** win 1111,win 11**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Unit Cost
1	Windows	Window Replacement	Each	4				
retro fit windows to meet a U factor .30 low E. 1 Basement bath window approx. 14.5" x 32.5" Upstairs single pane sliders. approx. 36" x 28" Downstairs family room. This is glass only not complete window approx 32"x 48". Retro fit windows to be foam seal and trimmed.								

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:**

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Measure 9 Insulate Attic to R 49				Components A1		Inspected			
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Insulation	air seal attic bypasses	Each	1					
		air seal all penetrations in attic space.							
	Construction Mate	create attic access in garage loft	Each	1					
		piolt hole was made at audit has to where to put new hatch. Make cover for hatch. OSB wall sheeting present.							
1	Insulation	Attic Insulation - Blown Cellulose - 200 sq ft	SqFt	200					
		insulate to R 49. attic tag. Depth markers. Flag junction boxes.							
Other Detail									
Measure Sub Total:						Sub Total:			
Field Notes:									

Measure 10 DWH Pipe Insulation				Components		Inspected			
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation	Each	12					
		per foot, comers mitered and taped							
		6 ' cold side 6' hot side							
Other Detail									
Measure Sub Total:						Sub Total:			
Field Notes:									

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Measure 12 Lighting Retrofits				Components L1,L2,L3			Inspected	
Comment							<input type="checkbox"/>	
#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Unit Cost
1	Lighting	LED Light bulbs 10 watt. 60 watt replacement. Installed	Each Lamp	15				
3	Lighting	LED - 15 Watt Flood installed. 90 W replacement.	Each Lamp	8				
5	Lighting	LED small base small base [candel light ] type Installed	Each Lamp	6				
Other Detail								
				Measure Sub Total:			Sub Total:	
Field Notes:								

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**Measure 15 Sillbox Ins.****Components F1****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Unit Cost
1	Insulation	Sill Insulation - 2 part foam fire rated 2" R10 - R-10	Linear Foot	60				
Insulate exposed rim joist and top of block 2" thick. [ client does not sheetrock removed to insulate.]								
Remove fiberglass out of rim joist.								
Approx 60 lin ft. 2"x10" joist.								

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:****Measure 17 Fix Improper Venting (Clothes Dryer)****Components****Inspected**☐**Comment**

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual	
					Unit Cost	Total	Qty	Unit Cost
2	Health and Safety	8' duct and 2 elbows, insulate last 3' site built home	Each	1				

**Other Detail****Measure Sub Total:****Sub Total:****Field Notes:**

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Measure 21 Install Bathroom Exhaust Fan					Components		Inspected		
Comment									
					Estimated		Actual		
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	panisonic wisper green continious run with motion sensor and light. Down stairs bath needs wire run [ new install ] main level has existing fan. ASHRAE 62.2 requires 123 cfm continuous Additional ventalation may be needed to meet ASHRAE 62.2. Need ASHRE sticker on fan switch plates.	Each	2					
4	Health and Safety	Additional for fan light	Each	2					
5	Health and Safety	Additional for Whispergreen	Each	2					
Other Detail									
					Measure Sub Total:		Sub Total:		
Field Notes:									

Measure 23 Smoke Detector is Needed					Components		Inspected		
Comment									
					Estimated		Actual		
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Smoke detector Battery operated. Each bedroom and common aeras	Each	5					
Other Detail									
					Measure Sub Total:		Sub Total:		
Field Notes:									