



Energy Efficiency Consulting Services and Solutions

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6.16.26



First Homes

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RPU account #2208998

MER account # 07500798532-00002

1. Abandoned Exhaust Hood Removal (basement)
 2. Ventilation Updates
 - Bath Exhaust
 - Kitchen Hood Exhaust
 - Dryer Vent
 3. Rim Joist Insulation
 4. Basement Daylight Windows
 5. Entry Doors
 6. Foundation Tuck Point
 7. Mold Mitigation & Attic Insulation
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Observations

Single-family home, 1964-vintage construction
1368 sqft main level plus basement

- Typical 1960s vintage construction

Insulation

- Attic (blown) R40
 - Mold mitigation will require complete removal, claim existing R0
- Sidewall R11
- Basement rim joist R0
- Basement foundation R10
 - Minor cracks in the corners
- Windows Double-pane
- Entry Doors Good/fair condition

Furnace, 60kBTU	1 year old
AC, 2-ton	1 year old
Water Heater, 40 gallon, atmospheric draft	6 years old

Bath exhaust fan and kitchen hood are ineffective

Clothes dryer flex duct is substandard

Recommendations

1. Abandoned Exhaust Hood Removal (Basement)

- Remove exhaust hood located in the basement and air seal rim joist penetration

2. Ventilation Updates

Bath Exhaust Replacement

80 CFM

4-inch exhaust duct connected to roof vent

Smart Exhaust Wall Switch

- Delay 15 minutes
- Minimum 10 minutes per hour

Kitchen Exhaust Duct Installation

Round (cabinet) or Oval (wall cavity) exhaust duct

6-inch exhaust duct connected to roof vent

Clothes Dryer Vent

Replace flex duct with rigid duct

3. Basement Rim Joist Insulation

- Spray foam perimeter rim joist, R20 to increase basement temperature and occupant comfort

MER Rebate	\$125
Projected Annual Savings	\$60 per year

4. Basement Daylight Windows

- Replace four (4) basement daylight windows

5. Foundation Tuck-Point Repair

- Minor foundation repair (cracks are visible interior and exterior)

6. Entry Doors

Front Door

- Replacement

Rear Door

- Weatherstrip & corner seal replacement
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7. Attic Mold Mitigation & Insulation

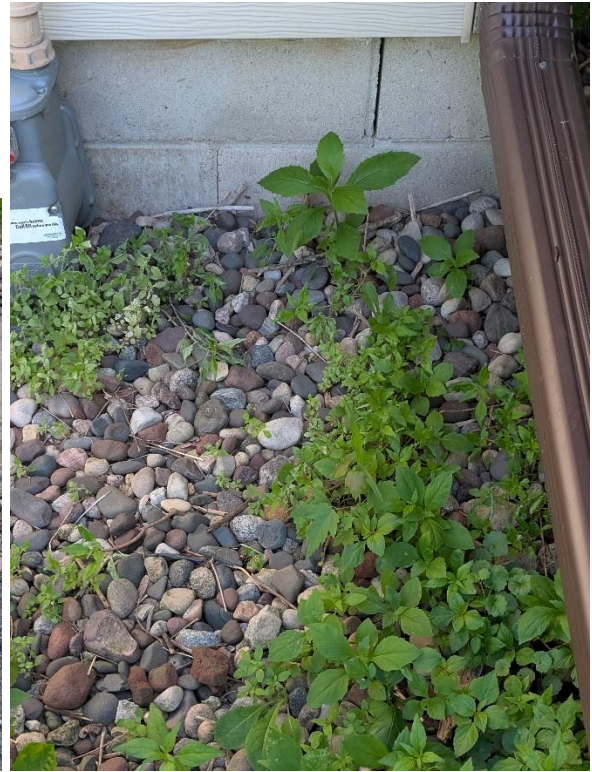
- Insulation Removal and Mold Mitigation
- Air Seal & Insulation
 - Baffle chutes and wind block
 - Air seal weatherization
 - Attic hatch
 - Chimney collar
 - Pipe/wire/fixture/exhaust penetrations
 - Insulation R50

MER Rebate \$650

Projected Annual Savings not applicable.... Existing insulation is sufficient but mold mitigation



Foundation cracks



Abandoned exhaust hood
