# HOUSE ENERGY DOCTOR

Educational, Research, and Community Service Program.

## MECHANICAL 1. (HVAC)

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<th>Project:</th>
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### ZONE 1:

**Location:**

**Heating**
- **Heat Pump (Winter Operation)**
  - Manufacturer: __________________
  - Model Number: ________________
  - SEER: _____ COP: _____ (SEER = COP X 3.41)
- **Gas Furnace**
  - Manufacturer: __________________
  - Model Number: ________________
  - Furnace Efficiency (AFUE): _____%
  - Estimated or • Tested
- **Electric Resistance**
  - Manufacturer: __________________
  - Model Number: ________________
  - COP: 1

**Ventilation**
- **Natural when Outside Temperatures Allow**
- **Evaporative Cooler**
  - Manufacturer: __________________
  - Model Number: ________________
  - CFM: _____
  - Evaporative Efficiency: _____%

**Air Conditioning**
- **Air Conditioning**
  - Manufacturer: __________________
  - Model Number: ________________
  - SEER: _____ COP: _____ (SEER = COP X 3.41)
- **Heat Pump (Summer Operation)**
  - SEER: _____ COP: _____ (SEER = COP X 3.41)

**Thermostat Verification**
- Thermostat Reading: _____°F
- Thermometer Reading: _____°F
- Percentage of Error: _____%

### ZONE 2:

**Location:**

**Heating**
- **Heat Pump (Winter Operation)**
  - Manufacturer: __________________
  - Model Number: ________________
  - SEER: _____ COP: _____ (SEER = COP X 3.41)
- **Gas Furnace**
  - Manufacturer: __________________
  - Model Number: ________________
  - Furnace Efficiency (AFUE): _____%
  - Estimated or • Tested
- **Electric Resistance**
  - Manufacturer: __________________
  - Model Number: ________________
  - COP: 1

**Ventilation**
- **Natural when Outside Temperatures Allow**
- **Evaporative Cooler**
  - Manufacturer: __________________
  - Model Number: ________________
  - CFM: _____
  - Evaporative Efficiency: _____%

**Air Conditioning**
- **Air Conditioning**
  - Manufacturer: __________________
  - Model Number: ________________
  - SEER: _____ COP: _____ (SEER = COP X 3.41)
- **Heat Pump (Summer Operation)**
  - SEER: _____ COP: _____ (SEER = COP X 3.41)

**Thermostat Verification**
- Thermostat Reading: _____°F
- Thermometer Reading: _____°F
- Percentage of Error: _____%