

# Home Inspection Service

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## **Electrical**

In order to check individual circuit breakers we would have to create an unsafe condition. Home Inspection Service does not test circuit breakers or anything else by creating unsafe conditions. Some cities require an electrical inspection if a property has been vacated for an extended period. If the property you are considering purchasing has been vacant for an extended period ask the city and the power company if an additional electrical inspection will be required.

Electric service comes to this home from an underground source.

The electrical meter box appears to be in good condition.

The distribution panel was built by the Crouse-Hinds Company. The capacity of the panel is 100-amps at 240-volts. The distribution panel is grounded to the main water line.

The service cable and branch circuits are protected by circuit breakers. The circuit breakers are properly sized for the branch circuit they are protecting.

There are 12 circuit breakers for the 120-volt needs and 2 circuit breakers for the 240-volt needs although one of the 240-volt circuit breakers is presently not in use.

The visible wiring styles in the home are metallic covered cables with copper conductors and plastic covered cables with copper conductors. The service cable is made of copper.

There is evidence of amateur wiring in the basement area. Due to the high number of improperly wired electrical outlets you should have a licensed electrician inspect all of the electrical outlets and amateur wiring and make the necessary corrections for safe operation.

The outlets installed in this home are the three-pronged style. Many of the outlets do not have their grounds connected; this will need to be corrected by an electrician. A few of the outlets such as one on the exterior wall of the kitchen are wired reversed polarity and will need to be corrected for safe operation. Have a licensed electrician inspect all of the outlets throughout the home and make the necessary corrections for safe operation.

Several of the installed GFCI protected outlets do not have their ground wires connected. Have these outlets corrected by the licensed electrician as well for safe operation.

While all of the overhead lights and ceiling fans operated correctly the exterior light for the basement door appears to be improperly wired with exposed Romex wire from the wall switch to the light fixture; have this corrected by the electrician while he is repairing the outlets.