



Job #1018987

## Inspection Report Electric

### Job Info

**Customer**

Customer

**Date**

2022-10-13

**Address**

Customer address

**Work Order Number**

1

**Panel Amperage**

100

**Brand**

Siemens

**Technician**

Electrician

### Panel Inspection

**Does the electrical panel have a main breaker?**

A single means of disconnect in the main electrical panel is an important safety feature for you or first responders.

**Is there rust, corrosion, or water present in the electrical panel?**

Rust, corrosion, and water are serious concerns that should be addressed immediately.

**Are there any carbon marks in the panel?**

Carbon marks are a sign of electrical arcing.

**Are there any melted wires present?**

Melted wires are a sign of loose electrical connections or overloaded wires. A properly functioning breaker should trip before the wire melts, however.

**Are any of the breakers hotter than the expected temperature?**

Circuit breaker overheating could be due to loose connections either on the exposed breaker connection or internally.

**Are there any breakers present with multiple wires on it?**

A double tapped breaker can lead to a loose connection since the breaker is not designed for two wires.

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**Is the home protected with a whole home surge protector?**

A whole house surge protector can prevent damage from outside threats like electrical storms and power surges within the home.

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**Are the wires properly secured?**

Securing cables prevents excessive movement that could loosen connections or lead to cable damage.

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**Is the home protected with arc fault circuit breakers?**

An AFCI breaker provides a higher level of protection than a standard circuit breaker by detecting and removing the hazardous arcing condition before it becomes a fire hazard.

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**Is the electrical panel full?**

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**Exterior Service Inspection**

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**Type of service**

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**Is there rust or corrosion present on the exterior service?**

Rust or corrosion indicates moisture intrusion into the equipment and needs to be investigated and corrected.

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**Are the main electrical connections secure?**

Properly tightened connections are an important part of electrical safety.

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**Are there any extra holes in the service equipment?**

Extra holes in the service equipment allows insects, animals, and liquid to enter the enclosures.

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**Is this a round meter base?**

Round meter bases are outdated and typically undersized for the electrical needs of a modern home.

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**Grounding Inspection**

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**Are the hot and cold water lines bonded?**

Proper bonding of the metal water piping in your home is important to limit shock hazards.

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**Is the gas line bonded?**

Bonding of the gas line further helps reduce shock hazards.

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**Is there a water line ground present?**

A properly grounded home will have a more stable electrical system and helps to dissipate external voltages that make their way to your home.

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**Is the home grounded with 2 ground rods?**

Additional grounding with 2 ground rods helps ensure your home stays grounded even if your water system is changed to a plastic or is compromised in some way.

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**General Electrical Inspection**

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**Is GFCI protection present in the required areas?**

GFCI protection provides shock-prevention, and further strengthens the electrical safety in your home.

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**Do all present GFCIs perform their internal test properly?**

A GFCI device should properly trip when the "Test" button is pressed and turn back on when the "Reset" button is present. A device that does not test properly is not providing any of its essential protections to you.

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**Are smoke detectors present in all areas required?**

Smoke detectors are a very important part of your home's overall safety system. Ensure the smoke detectors are both present, and not expired. Smoke detectors require replacement every 10 years.

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**Are CO detectors present where required?**

A CO detector should be present on every floor of any home that has natural gas or propane.

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**Are any receptacles 2-prong (ungrounded)?**

2-prong receptacles are not inherently bad or unsafe but they often lead to use of adapters or other modifications to electrical cords that do present a hazard.

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**Do bathrooms have working exhaust fans?**

An exhaust fan is important to remove moisture from the air in your bathrooms and helps prevent bacteria and mold build up.

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**Additional observations****Signature**