



ELECTRICAL SAFETY & CODE COMPLIANCE UPGRADE

CASE STUDY

A site inspection uncovered several critical electrical hazards:

CHALLENGE

- **Incorrect Breakers:** Wires were connected to 15-amp breakers instead of the required 30-amp breakers.
- **Exposed Wiring:** Cables were unprotected and not enclosed in conduit.
- **Unsafe Water Heater Setup:** No shut-off switches; connections showed corrosion.
- **Non-Code Wiring:** Wiring did not meet the required AWG #10 copper standard.
- **No Emergency Disconnects:** The system lacked disconnect switches for safe shutdowns.

SOLUTION

- Rewired hot water heater connections using code-compliant AWG #10 copper wiring.
- Installed two emergency disconnect switches.
- Routed all exposed wiring through aluminum conduit to the panel.
- Replaced all 15-amp breakers with individual 30-amp breakers.

RESULT

- System brought to code
- Safer operations
- Reduced risk of electrical failure
- Improved long-term reliability

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Contact me to discuss your property's needs!

Liridon Salovic

Maintenance Director

M: 917.480.0227 | LSalovic@plannedcompanies.com

PlannedCompanies.com

