Electrical Panel / Service
Update / Upgrade / Change-out

Residential Service Update

- Service upgrade/ update/ change-out shall be done only by Electrical Contractors licensed by the State of Iowa
- Minimum 20 circuit 100 amp panel
- 2 ground rods required-6' apart and outside drip line of eave
- Water ground, if available, with jumper wire
- Any Federal Pacific panels must be replaced
- 2 20 amp circuits to kitchen
- 1 20 amp circuit to laundry
- 1 20 amp circuit to bathrooms

General Update Requirements

- Screw type fuses shall be eliminated
- Any new receptacles added must be of the grounding type
- Existing non-grounded receptacles may be replaced with the same
- Fixtures in kitchen and bath/s must be grounded
- Repair all exposed wiring and bring to code

Ground Fault Circuit Interrupter Protections Requirements

- Kitchen receptacles
- Bathroom receptacles
- Unfinished basement receptacles
- Garage (attached and detached) receptacles

Smoke Detector Update Requirements

- Smoke detectors shall be installed in every bedroom, in close proximity to bedrooms and on each floor level
- If existing wall and ceiling coverings are not removed then battery operated smokes are OK
- If existing wall and ceiling coverings are removed, or new construction, then hard-wired smoke detectors are required

Arc Fault Circuit Interrupter Requirement

- Bedroom addition/s receptacles or receptacles in a room converted to bedroom shall be AFCI protected