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## Electrical Inspection Guidelines for an Existing Single Family Residential Occupancy

As a part of our commitment to advancing the public health, safety, and overall welfare of our citizenry, we are providing the following examples of items the City of Belleville includes in single-family inspections. Please note that the City utilizes the 2014 International Electrical Code, therefore this is not an exhaustive list of everything that may be checked, but it provides a solid guideline for property owners and landlords.

### **GENERAL REQUIREMENTS**

- Installation of Electrical Wiring and Devices – All electrical equipment, wiring, and appliances shall be properly installed and maintained in a safe and approved manner.

### **EXTERIOR**

- Garage – All receptacles in a garage must be GFCI protected or a single receptacle for an appliance.
- Exterior – All receptacles on the exterior of a dwelling shall be GFCI protected with approved outdoor covers.

### **INTERIOR**

- Kitchens - All receptacles serving the countertop surfaces within 6' of the rim of the sink must be GFCI protected. Single receptacles are required for the refrigerator, microwave, and gas range locations.
- Bathrooms – Each bathroom shall contain at least one receptacle. All receptacles must be GFCI protected.
- Unfinished Basements – Any portion of an unfinished basement must have a minimum of one general purpose GFCI receptacle.
- Light Fixtures – Every public hallway, interior stairway, toilet room, kitchen, bathroom, laundry, boiler room and furnace room shall contain at least one light fixture.
- Location of Receptacles – Every habitable space in a dwelling shall contain at least two separate and remote receptacle outlets, located on opposing walls.
- Knob and Tube Wiring – All visible knob and tube wiring must be removed. All new wiring installed in place of the knob and tube wiring must meet all NEC and local code standards.
- Floor Receptacles – All receptacles located in the floor shall have approved weatherproof covers.

- Breaker Panels and Fuse Panels – All panels shall be clearly, legibly, and accurately marked. All panels and service entrances must be in good condition and adequate for the connected load.
- Smoke detectors must be installed in accordance with the State of Illinois Smoke Detector Act (425 ILCS60) “in part” ec. 3.
  - (a) Every dwelling unit or hotel shall be equipped with at least one approved smoke detector in an operating condition within 15 feet of every room used for sleeping purposes. The detector shall be installed on the ceiling and at least 6 inches away from any wall, or on a wall located between 4 and 6 inches from the ceiling.
  - (b) Every single-family residence shall have at least one approved smoke detector installed on every story of the dwelling unit, including basements but not including unoccupied attics.
- Carbon Monoxide Detectors must be installed in accordance with the State of Illinois Public Act 094-0741 “in part” Section 10. Carbon monoxide detector.
  - (a) Every dwelling unit shall be equipped with at least one approved carbon monoxide alarm in an operating condition within 15 feet of every room used for sleeping purposes. The carbon monoxide alarm may be combined with smoke detecting devices provided that the combined unit complies with the respective provisions relating to both smoke detecting devices and carbon monoxide alarms and provided that the combined unit emits an alarm in a manner that clearly differentiates the hazard.
  - (b) Every structure that contains more the one dwelling unit shall contain at least one approved carbon monoxide alarm in operating condition within 15 feet of every room used for sleeping purposes.
- Smoke Detectors and Carbon Monoxide Detectors shall be replaced as per the manufacturer’s instructions regarding the useful service life of the alarm devices.