



PERMIT E16-
RESIDENTIAL ELECTRICAL PERMIT

Project Information / Location

Name: _____

Phone: _____

Address: _____

Power Co: _____

Contractor Information

Name: _____ Phone: _____

Address: _____

Service Type: OVERHEAD

UNDERGROUND

Size: 100amp 200amp

Description of work: NEW TEMPORARY ALTERATION REPLACEMENT RE-WIRING GENERATOR

GENERAL INFORMATION

- All work shall be done in accordance with the adopted version of the Village of Bethalto Electrical Code
- All work shall be done in a neat and workman like manner
- All electrical services shall be grounded by means of a copper ground rod minimum 8ft by 5/8th
- No water pipe grounds are permitted to be used as a ground. Cable, phone, satellite and other home services cannot be
- Grounded to the electrical system ground. They must have their own independent bonding bridge or bonding bar
- All electrical services must use galvanized rigid steel conduit
- Duplexes' Condo's multi-unit complexes and apartment complexes shall have independent outside disconnects
 - **All underground services, shall be rigid galvanized steel on the load side of the meter base**
 - **The service entrance may be PVC as long as it meets Ameren IP/Southwest Electric Company Specifications**
- All electrical circuits are to be a minimum of #12 ga. copper, and grounds are required
- #14 ga. is prohibited
- Aluminum wire is not allowed

RESIDENTIAL NEW AND SERVICE UPGRADES

- Where subject to physical damage, Romex wiring shall be protected
- Smoke Detectors
 - ✓ Smoke detectors shall be 120 volt with battery backup, all detectors must be interlocked
 - ✓ Smoke detectors must be installed in the following locations: one in each bedroom, one in the common area on each level
 - ✓ Carbon Monoxide detectors must be installed in the following locations: one on each level within 15ft of bedrooms and at least 15 ft. away from gas appliances
- Electrical circuit requirements, the following must have its own circuit
 - ✓ Microwave Dishwasher (single outlet w/appliance cord)
 - ✓ Refrigerator Garbage Disposal (single outlet)
 - ✓ Sump Pump (single outlet) Ejector Pump (single outlet)
 - ✓ Furnace Bathroom must have one clean GFCI circuit
 - ✓ Wash machine (single outlet)

Two electrical circuits per circuit in the kitchen area
- Residential dwellings shall have the following exterior outlets, all exterior outlets must be GFCI protected
 - ✓ One outlet in the front of the dwelling and in the rear of the residence
 - ✓ One outlet within 25 ft of the air conditioner condensing unit
 - ✓ One outlet inside deck or balcony
- All bedrooms must be Arc Fault Circuit Interrupters installed
- All kitchens, bathrooms, garages, whirlpool / Jacuzzi tubs, crawl spaces and outside receptacles shall have GFCI protection.
 - ✓ Exempt are dedicated sump pump outlets
- All drops in basement must be encased in conduit
- Storage equipment, attics, crawl spaces shall have at least one lighting outlet
- All bedrooms must have ceiling fan rated boxes installed and any other location where a ceiling fan could be installed.



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- Electric panels shall not be installed in the hallways, bathrooms, bedrooms, closets, and kitchens
- Receptacle spacing no more than 6ft horizontally between receptacle's
- Staples shall not exceed 4 ½ feet and 12 inches of every outlet box
- Stoves and dryer outlets must utilize 4 wire devices. NO EXCEPTIONS

PERMIT AND INSPECTION INFORMATION

The Village of Bethalto requires inspections to be conducted during construction projects. The permit holder and or contractor is responsible for calling and scheduling inspections. The inspections identified below are the minimum inspections the Village requires for electrical work. The Building and Zoning Administrator and or the Electrical Inspector for the Village may require additional inspections depending on the project size and scope of work being conducted. This permit must be posted in a conspicuous location at the residence visible from the street.

To schedule inspections please call Tim Henson at 618-920-3515, 24 hour notice is required for scheduling inspections. If you get no answer please call Village Hall at 618-377-7697 and someone will return your call as soon as they can.

MINIMUM REQUIRED INSPECTIONS

- ✓ **ROUGH WIRING INSPECITON:** After the wringing is in place, but before it is covered with insulation or dry wall an inspection must be completed. All wiring must be in place.

Date of Inspection: _____

Inspector initials: _____

- ✓ **SERVICE CONNECTION:** When the service is completed and ready to be hooked up by the power company

Date of Inspection: _____

Inspectors Initials: _____

- ✓ **FINAL:** When the complete project is finished, a final inspection must be conducted.

Date of Inspection: _____

Inspectors Initials: _____