

Department of Building & Zoning

City of Wood River
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ELECTRICAL PERMITS AND STANDARDS

All electrical work is to comply with the 2008 edition of the National Electric Code (NEC) and all applicable City regulations.

Electrical permits are required:

- For the installation of a new service;
- For the installation of a new service box;
- The upgrading of a service box;
- The alteration, relocation, or addition of an existing system that requires the redistribution of a breaker/circuit load;
- For the replacement or upgrading of an electrical service;
- The modification of an individual branch or circuit.

Projects that involve a substantial amount of electrical work are required to submit a minimum of two copies of all plans/drawings with the permit application. Plan and application review may require a maximum of 48 hours for review by both the Department of Building and Zoning and the Electrical Inspector.

INSPECTIONS

Electrical inspections are conducted by the City's Inspectors and may be scheduled Monday thru Friday, 8 a.m.- 5 p.m. To schedule an appointment, contact the Building and Zoning Department at (618) 251-3100.

Minimum 2 inspections:

1. For new or upgraded services, the Electrical Inspector shall be called after the service panel and meter base have been installed and connected, but prior to the power company reconnecting the service.
2. For new, upgraded systems or substantial additions/alterations to existing systems, the Electrical Inspector shall be contacted for rough in wiring and after all fixtures have been installed and all wiring is in place.

Before any wiring or other such construction shall be covered or concealed, it shall be the duty of the company, firm, or individual doing the same, to give notice to the Electrical

Inspector to perform an inspection of such work. If these inspections are not scheduled at the appropriate phase, the City can require the applicant to remove or redo any work that was not inspected. The applicant may also incur fines and other penalties for noncompliance. Where applicable, a site inspection may be requested by the contractor at no additional charge.

A certificate of compliance shall be issued if the work is in strict conformity with the rules and regulations of the National Electric Code (NEC) and any applicable City ordinances.

No electrical permit issued by the City of Wood River shall be transferable unless specifically authorized by the Building and Zoning Administrator.

All electrical permits are void 12 months after the date of issuance. If for any cause, work is delayed or goes beyond the specified 12-month period, the person or persons responsible for the work must secure a new permit.

FEE SCHEDULE

Single-Family, Detached Residential

For all general work-basic flat fee	\$20.00
100 amp service	\$25.00
200 amp service	\$35.00
Greater than 200 amp service	\$45.00

Multi-Family Residential

For all general work-basic flat fee per unit	\$30.00
For new construction-basic flat fee per unit	\$50.00
100 amp service	\$25.00
200 amp service	\$35.00
Greater than 200 amp service	\$45.00

Commercial/Non-Residential

Basic flat fee	\$50.00 (Ord. 08-06)
Plus, each amp over 100 amps	\$.25

SERVICE LOCATION

Three (3) feet must be maintained from the meter base and weather head to any opening that may be utilized as an exit from the structure, such as a door or window. The ground rod must be installed at a minimum of 3 feet from the gas service entrance. Service entrance wires must meet the separation distances when crossing/passing near swimming pools before services are approved.

Only one service entrance per principal building and service entrances are prohibited in all accessory structures. Exceptions may be allowed for commercial applications where special voltage needs are required or for remote or non-metered installations.

Please review the following requirements prior to the installation of any services, alterations to existing services, additions or rewiring of structures.

Contractors and/or installers are responsible to meet specifications prior to inspection.

MINIMUM STANDARDS

The following minimum standards shall apply to any electrical installation:

1. Minimum of 100-amp service for residential or commercial occupancy.
2. #3 T.H.W. copper minimum for 100-amp service; aluminum is prohibited.
3. #3-0 T.H.W. copper minimum for 200-amp service; aluminum is prohibited.
4. Service entrances are allowed in principal buildings only; no accessory structure.
5. Entrance cable and neutral must be of equal size.
6. Neutral must be identified and continuous from weather-head through meter socket to termination point on main service panel.
7. Only one over-head entrance feeder shall be attached per principal building.
8. Ground wire and grounding system shall meet latest NEC requirements.
9. Only rigid metal conduit shall be used from weather head to service panel and all conduit bonded to ground rod or other approved grounding device.
*Note: PVC may be substituted on the Ameren IP side of underground installations.
10. Where there is more than 10 linear feet from the service panel to the entrance, an approved outside disconnect shall be installed. All main panels shall have a single main disconnect. Commercial buildings must have an outside disconnect on main service.
11. Main panels shall not be allowed in living areas, including: bathrooms, bedrooms, halls, closets, living rooms or dining areas.
12. #12 awg. copper minimum shall be used for branch circuits and switch legs on 110 v. systems.
13. No more than 8 electrical devices, receptacles, and/or switches shall be installed on one circuit in commercial occupancies unless the load calculation receives prior approval from the Electrical Inspector.
14. All electrical installations or rewiring installed in public places must be installed in an approved metal conduit.