

Guidelines for Electrical Services

Minimum Requirements:

- All installations must be compliant with the 2014 National Electrical Code as amended.
- For attached or detached single family residential structures the minimum service amperage shall be one hundred (100) amperes.
- All commercial/industrial services and any residential electrical service greater than two hundred (200) amperes will require a one line riser diagram indicating equipment sizes and types, conduit and conductor sizes and materials. Include details for the grounding system. Indicate on the diagram the location and size of each disconnecting means or overcurrent device.
- All conductors shall be of copper only. Aluminum wiring is prohibited in all uses.
- All service raceways exposed to the weather shall be of rigid metal conduit or IMC.
- Underground conduits shall be of type RMC or RNC (PVC). PVC conduits must be buried a minimum of eighteen inches (18") deep and rigid metal conduits must be buried a minimum of six inches (6") deep. PVC conduits will not be exposed above ground.
- All service entrance conduits shall be effectively sealed at each end to limit the passage of cold air.
- All services shall be installed with a main breaker in the circuit breaker panel. An outdoor weatherproof service disconnect is required when the circuit breaker panel is located greater than five feet (5') from the point of entrance into the building.
- The electrical panel must be grounded to the street side of the water meter with a bonding jumper installed across the meter and a ground strap and "do not remove" tag. The grounding conductor is to be of copper only and sized per Table 250.66
- The supplemental ground (ground rod) shall be driven to a minimum of eight feet below ground and flush with the final grade. The grounding conductor shall be of copper only and a minimum size of # 6 THHN.
- Install grounding bushings or bonding jumpers when using eccentric or concentric knockouts.
- All branch circuits must be identified within the circuit breaker panel(s).
- Unused raceway openings in boxes, cabinets, and meter socket enclosures, etc. shall be effectively closed to afford protection substantially equivalent to the wall of the equipment.
- Sufficient working space(s) as required by Article 110.26 must be maintained at all times.
- ****Effective Immediately** ComEd has amended the requirements for Overhead Service Attachments.** ComEd now requires that all new service heads shall be located no more than 25' above the ground AND must be positioned so that the service wire installation has safe access from an extension ladder.

Contractor Registration: All contractors working within the City of Lockport are required to be registered prior to release of any permits.

*For residential properties only, installations completed by the legal owner & primary resident of the permitted property do not require registration.

CITY OF LOCKPORT

ELECTRIC SERVICE PERMIT FORM

(Please print legibly)

Applicant Name: _____ Phone: _____

Address of installation: _____

Owners Name: _____ Phone: _____

Property Owners Mailing Address: _____
(Billing Address for ComEd)

Property Type: Residential _____ Commercial _____ Industrial _____
(All non-residential services and residential services greater than 200 amperes require a one line riser diagram.)

Project Type: New Service _____ Upgrade _____ Emergency Repairs _____
Overhead Service _____ Underground Service _____

Service size: Amperes _____ Voltage _____ Phases _____

List any other electrical work to be completed in addition to the service revisions:

Estimated Construction Value: \$ _____ Historic District: ___ Yes ___ No

Contractor Name: _____ Phone #: _____

Electrical License Number: _____ Issued By: _____

Contractor Registration #: _____

****Please remember to attach a copy of your City of Lockport Certificate of Registration****

I hereby certify that I have read, understand, and agree to conform to all governing information and regulations set forth by the City Council of Lockport.

Printed name: _____

Signature: _____ Date: _____

FOR OFFICE USE ONLY

Permit #: _____

Permit Fee: _____

Date Issued: _____

Issued By: _____

Comments: _____
