



Village of Arlington Heights
Building & Life Safety Department
847-368-5560
www.vah.com

Code: NEC 2017 With Arlington Heights Amendments

Service Requirements - 100 Amperage

1. 100 amp upgrade requirements:
 - A. Permit application required to be filled out by registered electrical contractor.
 - B. Minimum fee \$65.00 plus new circuits.
 - C. Conduit riser requirements: (Per ComEd Red Book)
 - I. Rigid steel conduit.
 - II. Minimum size - two and one-half inch (2 ½")
2. Cable: THWN copper only.
3. Follow 5 foot rule for entrance cable.
4. Ground Wire sized per NEC table 250.66 – copper only
5. Conduit goes to the street side of water meter with approved ground clamp and tag wire to be continuous from panel to street side of meter to jumping the meter.
6. Two (2) supplemental grounding electrodes required 8 feet in length and 5/8" in diameter, minimum of 6' (six feet) apart. Connected to the ground lug at service meter. Meter socket shall have lugs to terminate ground rods. If meter socket does not have lugs to terminate ground rods, replacement of the meter socket may be needed.
7. Duct seal in LB fitting outside.
8. Contractor is to call for an inspection and also Commonwealth Edison for their inspection.
9. Service shall meet all applicable codes of 2017 NEC and Arlington Heights ordinances.

The undersigned has read and understands the information provided in this information handout, and agrees to comply with all applicable Village Codes.

Date: _____ Signature: _____ Print Name : _____

Title: _____ Job-Site Address: _____