



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

**Code: NEC 2017 With Arlington Heights Amendments**

**Service Requirements - 400 Amperage**

1. 400 amp upgrade requirements:
  - A. Permit application required to be filled out by registered electrical contractor.
  - B. Minimum fee \$95.00 plus new circuits.
  - C. Conduit riser requirements: (Per ComEd Red Book)
    - I. Rigid steel conduit.
    - II. Minimum size - three inch (3")
2. Cable: THWN copper only.
3. Panel: Recommend 2-40 circuit with main breaker.
4. Follow 5 foot rule for entrance cable.
5. Wire: #4 copper wire only per Table 250.66.
6. 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.
7. 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.
8. Duct seal in two inch (2") conduit or LB fitting outside.
9. Contractor is to call for an inspection and also Commonwealth Edison for their inspection.
10. 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: \_\_\_\_\_