

Camper Electrical Service Pole Requirements

When installing an electrical service pole for your camper, it must be in compliance with section 551 of the National Electrical Code. Also, requirements must be met with your local power company. (see power company document)

The electrical service for your camper cannot be permanently (or hardwired) to the service. It must use the listed plug that comes with your unit. Before any work is to be done, it is advisable to check with the local power company for location of your service pole and height of your service pole.

Each service must have a 15 or 20 amp GFI protected outlet installed and must have either a 30 amp 240 volt or a 50 amp 240 volt receptacle installed (see "J" on Figure 1).

The following diagram (Figure 1) shows a good illustration and gives good information regarding your service for your camper pole. Remember, we do not have requirements on the specifications of the pole used. Be sure to check with the local power company for that information. We would like to add that there are products and materials available through your local electrical supply house or home improvement store that the meter base, breakers and required receptacles are mounted in one housing; cutting down on expense and installation time. Check with them for product availability.

- *Pole must be in compliance with section 551 of the National Electrical Code*
- *Must also meet local power company requirements*
- *Must have GFI protected outlets installed*
- *Call the office at 919.496.2281 for any further questions*

DISCLAIMER

The information contained in the following pages was valid at the time of publication. Franklin County reserves the right to make changes and improvements at any time and without notice, and assumes no legal responsibility for damages incurred directly or indirectly as a result of errors, omissions or discrepancies in this document.

Figure 1

POLE MOUNTED METER LOOP SPECIFICATIONS
PERMANENT OVERHEAD SERVICE
(Campers, RV, Etc.)

GENERAL REQUIREMENTS:

1. Consumer is responsible for all equipment beyond the point of service, except the meter.
2. Consumer is responsible for load capacity including future loads.
3. This drawing is illustrative of generally acceptable standards. Where National, Local, City or Community codes are more restrictive, they shall govern. It shall be the responsibility of the member to construct and maintain the electrical service in a safe manner.
4. Electrical connections to mobile homes can produce hazardous voltage on the shell of the home, appliances or other metal parts if the installation is not done properly. Use qualified electrician and install the electrical service in accordance with the National Electric Code.
5. Meter pan height shall be 5'-6" above ground and face away from any structure to ensure that the meter reader will be able to see the meter face.

Legend:

- A) Weatherhead - (Minimum 14' clearance)
- B) Service entrance conductors,
- C1) Pole grounding conductor, copper only, bare.
- C2) Ground rod clamps: Acorn type below grade recommended
- C3) Ground rod 8' long, 1/2" dia. copperweld or 5/8" dia. galv.
- D) Conduit straps: Min. 3, galv.
- E) Pole: Min. 20' long, 5" dia. top, or 6"x6" min. square pole, pressure treated creosote, penta or CCA process only.
- F) Galvanized or Sch. 80 conduit and fittings only, 10' min.
- G) Service main disconnect: Circuit breaker
- H) Staples, 6" Max. Separation
- J) Watertight Receptacle, All receptacles must be receptacles GFCI protected.
- K) NO EXPOSED CONDUCTORS LEAVING PANEL III

