

SLEMCO
OVERHEAD SERVICE
REQUIREMENTS

It shall be the customer's responsibility for compliance with the National Electrical Code (N.E.C.) and any Governing Authority for all equipment beyond the Point of Connection. The customer is advised to use the services of a qualified electrician to assure compliance with all codes and regulations.

- A. **Service cable** from transformer to Point of Connection furnished and installed by SLEMCO.
- B. **Service entrance conductors** from the Point of Connection to the meter base, to the main disconnect, **furnished and installed by customer**. Service entrance conductors and main disconnect sized according to the load, as required by the National Electrical Code or Governing Authority.

All service entrance conductors into and out of a self-contained meter base must be single conductors. **Parallel conductors are not allowed.**

Service entrance conductors **shall be copper only**. An extension of **18" (inches)** of service entrance conductor is required at the service head.

The neutral of the service entrance conductors can be **two (2) sizes smaller** than the other two conductors and shall be identified with gray or white tape at the service head and in the meter base.

- C. Main disconnect furnished and installed by customer. Main disconnect shall be located **within 3' (feet) of the meter base**. Where the main disconnect and/or other electrical equipment is mounted outside, it shall be of weatherproof and watertight design.
- D. SERVICE MAST is furnished and installed by customer. Service Mast conduit, sized as required by load, must be securely mounted Schedule 40 PVC or rigid conduit, with a three (3) strap minimum. Where all other conditions of these specifications are met, copper service entrance cable is acceptable in place of a Service Mast.
- E. ROOF JACK installations furnished and installed by customer. Conduit must be mounted using 2" (inch) galvanized conduit. On Roof Jack installations, **the minimum 24" (inch) clearance and 12' (feet) of ground clearance** above the finished grade shall be provided. In doing so, it will be the customer's responsibility to provide adequate strength in, or support to, the Roof Jack to safely withstand the strain imposed by the service cable.

- F. **Meter base furnished and installed** by customer. Meter base shall be mounted between 5' and 6' (feet) above finished grade. K-10C (Service Masts) or conduit wire holder (Roof Jacks) must be mounted at a minimum height of **12' (feet)** above finished grade. See SERVICE MAST drawing for a guide to installing the K-10C. Predrilling a pilot hole for the K-10C is recommended.
- G. Meter base & K-10 service holder furnished and installed by customer. **Meter Base must conform to SLEMCO's standards and must be compatible with SLEMCO metering.**
- H. Meter base grounding, minimum **#6 soft drawn (s.d.) copper** in conduit from the meter base to the ground rod, furnished and installed by customer. The meter base ground wire must be connected in the ground wire lug, where provided, and not in the service neutral lug.
- I. Ground rod, minimum **5/8" x 8' copperweld or 1/2" x 8' copper**, furnished and installed by customer. Ground rod is to be set 1" (inch) below finished grade. (THIS MINIMUM IS REQUIRED BY SLEMCO. ADDITIONAL GROUNDING MAY BE REQUIRED BY THE NATIONAL ELECTRICAL CODE OR GOVERNING AUTHORITY.)
- J. Variations of this design may be considered equal as long as National Electrical Code requirements are met. (TO ASSURE ACCEPTABILITY WHERE VARIATIONS ARISE, CONTACT SLEMCO PRIOR TO INSTALLATION.)
- K. INSPECTIONS: If a Governing Authority requires inspection, inspection tag must be in place and marked approved before SLEMCO will connect service.

