

JEFFERSON DAVIS ELECTRIC COOPERATIVE, INC.

J.D.E.C.

GUIDE ON RESIDENCE

OVERHEAD SERVICE

It shall be the consumer's responsibility to be in 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 service of a qualified electrician to assure compliance with all codes and regulations.

- Service cable from transformer to point of connection is furnished and installed by J.D.E.C.
- Service entrance conductors from the point of connection to the meter base, to the main disconnect, furnished and installed by consumer/member. Service entrance conductors and main disconnect are to be sized according to the load, as required by the National Electrical Code or Governing Authority. An extension of 18" (inches) of service entrance conductor required at the service head.
- Main disconnect furnished and installed by consumer and in accordance with the National Electrical Code. Where the main disconnect and/or other electrical equipment is mounted outside, it shall be of weatherproof and watertight design.
- Service mast is furnished and installed by the consumer. Service Mast conduit, sized as required by load, must be securely mounted schedule 80 PVC or rigid conduit, with a 3 (three) strap minimum. Where all other conditions of these specifications are met, service entrance cable (Romex) is acceptable in place of a service mast.
- Roof jack installations are furnished and installed by consumer. Conduit must be securely mounted with 2" (inch) rigid conduit. On Roof Jack installations, the minimum 24" (inch) roof clearance and 14'6" (feet/inches) of ground clearance above the finished grade shall be provided. In doing so, it will be customer's responsibility to provide adequate strength in, or support to the Roof Jack to safely withstand the strain imposed by the service cable.

- Meter base furnished by J.D.E.C. and installed by consumer on the outside of the building. Meter bases shall be mounted at 5'6" (feet/inches) above finished grade. K-10 (Service Masts) or conduit wire holder, K-10 L (Roof Jacks) furnished and installed by J.D.E.C.
- Meter base grounding, minimum, #6 soft drawn (s.d.) copper, in conduit from the meter base to the ground rod, furnished and installed by consumer. The meter base ground wire must be connected in the ground wire lug, where provided, and not in the service neutral lug. Ground wire from the meter base to the weather head, minimum, #6 soft drawn (s.d.) copper, is furnished and installed by the consumer:

In cases where Service Masts are required: a ground wire (outside of the PVC or Romex) must extend 18".

In cases where Roof Jacks are required and conductor is enclosed within 2" galvanized conduit: A ground wire is not required.

- Ground rod, 5/8" X 8' (inches/feet) galvanized or 1/2" X 8' (inches/feet) copper, furnished and installed by consumer/member. Ground rod is to be set 1" (inch) below finished grade. Ground Rod is to be set in accordance with the National Electrical Code.
- Variations of this design may be considered equal as long as National Electrical Code requirements are met. **(TO ASSURE ACCEPTABILITY WHERE VARIATIONS ARISE, CONTACT J.D.E.C. PRIOR TO INSTALLATION.)**
- INSPECTION: If a Governing Authority requires authorization, it will be acquired before J.D.E.C. will connect service.