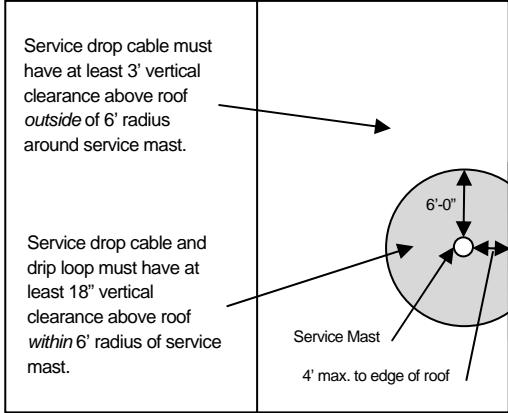


Maximum Recommended Distance from Cooperative Pole to Structure	
Amps	Distance (feet)
100	100
200	75
320	40



CALL 48 HOURS BEFORE YOU DIG – Dial 811
It shall be the member’s responsibility to stay clear of all underground facilities.

NOTICE

This drawing illustrates FECC requirements only, and is not intended to be a comprehensive guide for the installation of an electrical service. To insure a safe, quality installation that complies with the National Electrical Code and local code requirements, the Cooperative recommends that all electrical work be done by a qualified, licensed electrical contractor.

Notes

- Member provides and installs: the mast and service drop attachment point; service entrance conductors; conduits, weatherhead; meter enclosure; service disconnect switch; ground rod and wire; and all related materials. All equipment and conduit connections shall be raintight. All outdoor receptacles shall be protected by a GFCI breaker. All work shall comply with Cooperative standards, the National Electrical Code, and authorities having jurisdiction. Refer to the *FECC Member Installation Standards for Electric Service* for more information.
- Cooperative provides and installs the meter and service drop conductors, and makes connections at the weatherhead.
- This service shall be installed on the building at a location mutually agreed upon by the member and the Cooperative. See Drawing 7.2-1 for location details.
- Conduit shall be minimum 2" electrical grade Schedule 80 PVC, EMT, IMC, or RMC. Only IMC or RMC shall be used above the roof. Weatherhead should be of the same material as the conduit.
- Size per table below. A minimum of 36" of each conductor shall extend from the weatherhead. The neutral may be bare or may be insulated and marked with white tape on both ends.
- Main breaker or disconnect shall be mounted on the outside wall within 2'-0" of meter. 6" space between meter and disconnect required. Meter and disconnect enclosures must be grounded and bonded together using special means per NEC 250.92. Standard locknuts or bushings are not acceptable.
- See *Member Installation Standards* Section 11.1.2 and Drawing 11.8-1 for meter socket specifications.
- The service mast may need to be extended to meet minimum clearance; bracing may be required.
- Minimum 3 ft. clearance between electric meter and gas meter.
- Point of attachment shall be accessible to Cooperative’s bucket truck or have enough surface (such as wall or building structure) and sufficient ground space on same member’s property to safely support a ladder.

Member’s wire and conduit sizes (75° C wire and terminal ratings).
 Follow NEC requirements for other wire or temperature configurations.

Service Rating	Phase Conductor		Conduit	Ground Wire	Neutral Conductor
	Non – Residential	Residential			
100A	#2 CU	#4 CU	2"	#6 CU	Same as Phase
	1/0 AL	#2 AL			
200A	3/0 CU	2/0 CU	2"	#4 CU	Same as Phase
	250 AL	4/0 AL			
320A	350 CU	250 CU	3"	#2 CU	See NEC
	500 AL	350 AL			

**Overhead Meter
 on Home or Building
 Service Mast Attachment
 Single Phase Meter up to 320A
 DRAWING 7.1-2
 June 2014
 NOT TO SCALE**

