

# Metering on Pole; Underground Service Entrance

For new or revised electric services, Crawford Electric furnishes and installs an appropriately sized meter loop on a cooperative-owned pole. For this service, the member will be charged a **service connect fee** according to the following schedule:

100-amp service	\$150
200-amp service	\$200
320-amp service	\$500

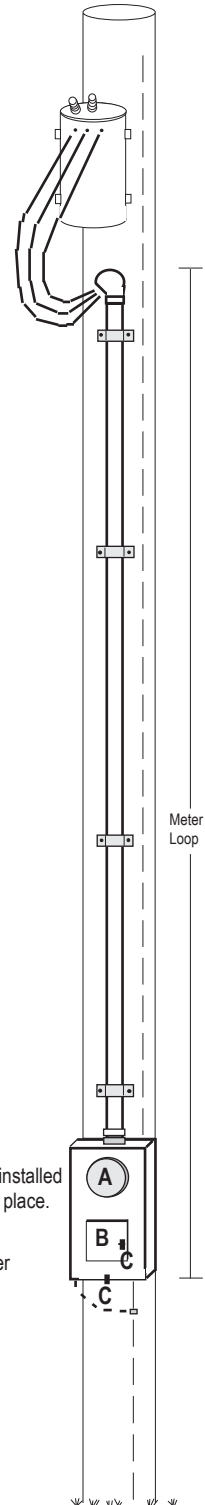
Sizing of the loop is determined by the load requirements. Refer to the cooperative's line extension policies for any applicable line construction charges. The meter loop remains the property of the cooperative.

### Service Point:

The cooperative will furnish and install the meter loop, make all "hot" connections to the overhead power lines and set an automatic-read meter. The cooperative is responsible for serving to the **load side of the main breaker** in the meter base.

The member will be responsible for furnishing and arranging installation of all other necessary electrical wiring and materials beyond that point. See reverse side for recommendations.

- A** Meter socket.  
An automatic-read meter will be installed by the cooperative and locked in place.
- B** Access to main breaker
- C** Access points at which member may install a lock.



Services located in **Franklin County** must have an approved county inspection before Crawford Electric can energize the meter loop.

# Underground Service Entrance

Crawford Electric recommends that only qualified electricians install the underground service entrance conductors. All materials from the load side of the main breaker to the house or building, and all subfeed breakers and subfeed circuit wiring are the responsibility of the Crawford Electric member.

Refer to local inspecting authorities for applicable codes.

## Material List

legend	amount	description
(A)	1	conduit locknut and bushing
(B)	1	threaded adapter
(C)	5'	conduit – must extend 18" below ground level
(D)	1	conduit strap
(E)	1	conduit smooth bushing
(F)		service entrance conductors – installed in conduit (preferred) or direct buried 24" below ground level. Refer to local codes for the number of conductors required.
(G)	1	<u>optional</u> GFCI duplex outlet in a weatherproof box
(H)		subfeed busbar – accepts breakers by various manufacturers of the <i>homeline</i> style. Contact the cooperative or your electrician for information about the subfeed capacity limitations.

service size	copper	aluminum	conduit size
100 amp	#4	#2	1¼" min.
200 amp	2/0	4/0	2" min.
320 amp	(2runs) 2/0	(2runs) 4/0	3" min.

Conduit may be galvanized, aluminum or non-metallic schedule 40 PVC (NEMA)

### types of conductors

RH - RHH - RHW - THHW - THW  
THWN - THHN - XHHW - USE

Aluminum oxide inhibiting compound is recommended when using aluminum conductors

