

MINIMUM REQUIREMENTS : GENERATOR BYPASS ON A METER POLE

SINGLE PHASE, 120/240 VOLTS, 3 WIRE SERVICE, 200 AMP. MINIMUM

GENERAL

The Cooperative will supply, install and own the service drop to the pole and the service wire attachments on the pole. All service entrance equipment shall be supplied and installed on the pole by the member. The member shall purchase a meter base from the Cooperative or purchase an approved meter base and install on the pole at his expense.

A weatherhead shall be used of proper type for number and size wires to be used. All installations for an overhead or an underground service shall be protected with a properly sized weatherproof bypass switch. Bypass switch must have a positive disconnect from the metering point of Cooperative system when bypass is in the generator position.

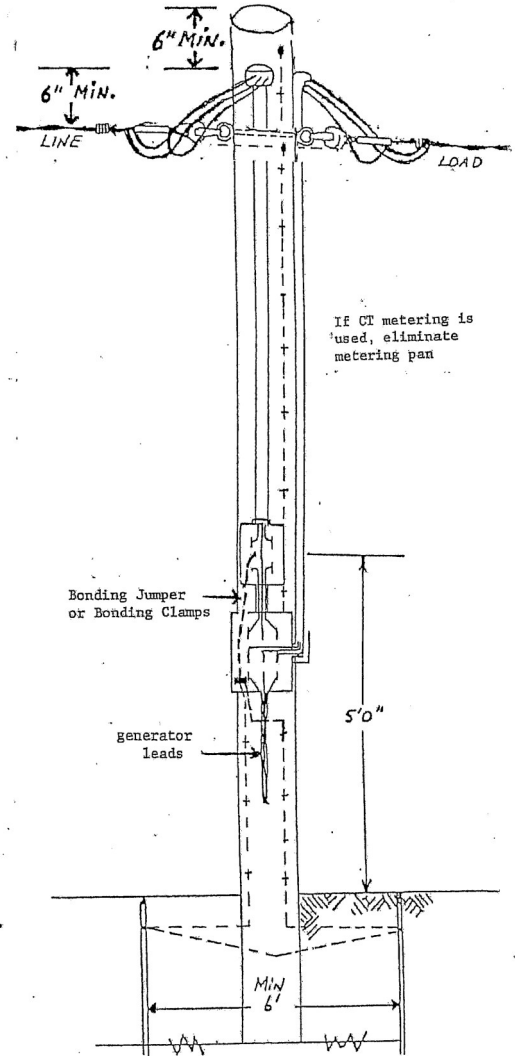
POLE SET BY MEMBER : When the meter pole is set by the member, service entrance cable may be used in place of wire and conduit. When service entrance cable is used, a watertight connector must be used at the top of the meter base and bypass switch, and a non – watertight connector may be used at the bottom of both. The pole **shall be fully treated** and the pole backfill must be thoroughly tamped the full depth (see table). When a pole taller than 30 feet is used, wire in conduit is recommended.

ANCHORING : Meter poles over 75 feet from the Cooperative pole must have an anchor assembly. The anchor assembly is to be a minimum of 20 feet from the base of the meter pole consisting of a 6 foot rod and a 6000# anchor. A guy wire is to be installed one foot down from the top of the pole to the anchor assembly.

GROUNDING : Grounding wire shall be one continuous length, without a splice or a joint from the main switch to grounding electrodes and return to the top of pole leaving two feet of tails. A bonding jumper must be installed between meter pan and bypass switch. Ground clamp must connect ground wire securely on two driven grounding electrodes – minimum of 6' apart in undisturbed earth. Driven grounding electrode must be a rod : 5/8" x 8' copperclad rod or 5/8" x 8' solid rod, galvanized.

NOTES

1. All installations to be made according to this sketch.
2. All material to be approved by the Underwriters Laboratories.
3. All wiring to be in accordance with the National Electric Code and certified by an appropriate inspection agency.
4. Always have a qualified electrician take care of your wiring needs.
5. Members not following these minimum specifications **may be refused service connection.**
6. Service connections and/or meter removal shall be done only by authorized Cooperative personnel.
7. Reduced neutral may be allowed.



POLE HEIGHT	SETTING DEPTH	MINIMUM DIM. "A"
25 Ft.	5.0 Ft.	13.0 Ft.
30 Ft.	5.5 Ft.	17.5 Ft.
35 Ft.	6.0 Ft.	22.0 Ft.

ITEM	MATERIAL	200 AMPERE SERVICE		300 AMPERE SERVICE		400 AMPERE SERVICE	
1	Service Entrance Cable, Type SEU copper Wire	#2/0					
2	Service Entrance Cable, Type SEU Aluminum Wire		#4/0				
3	Copper Wire, Type THW In Conduit	#2/0		350 MCM		500 MCM	
4	Aluminum Wire, Type THW In Conduit		#4/0		500 MCM		750 MCM
5	Conduit	3"	3½"	4"	4"	5"	
6	Copper Ground Wire To Driven Grounding Electrode	#4		#1/0		#1/0	