

ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

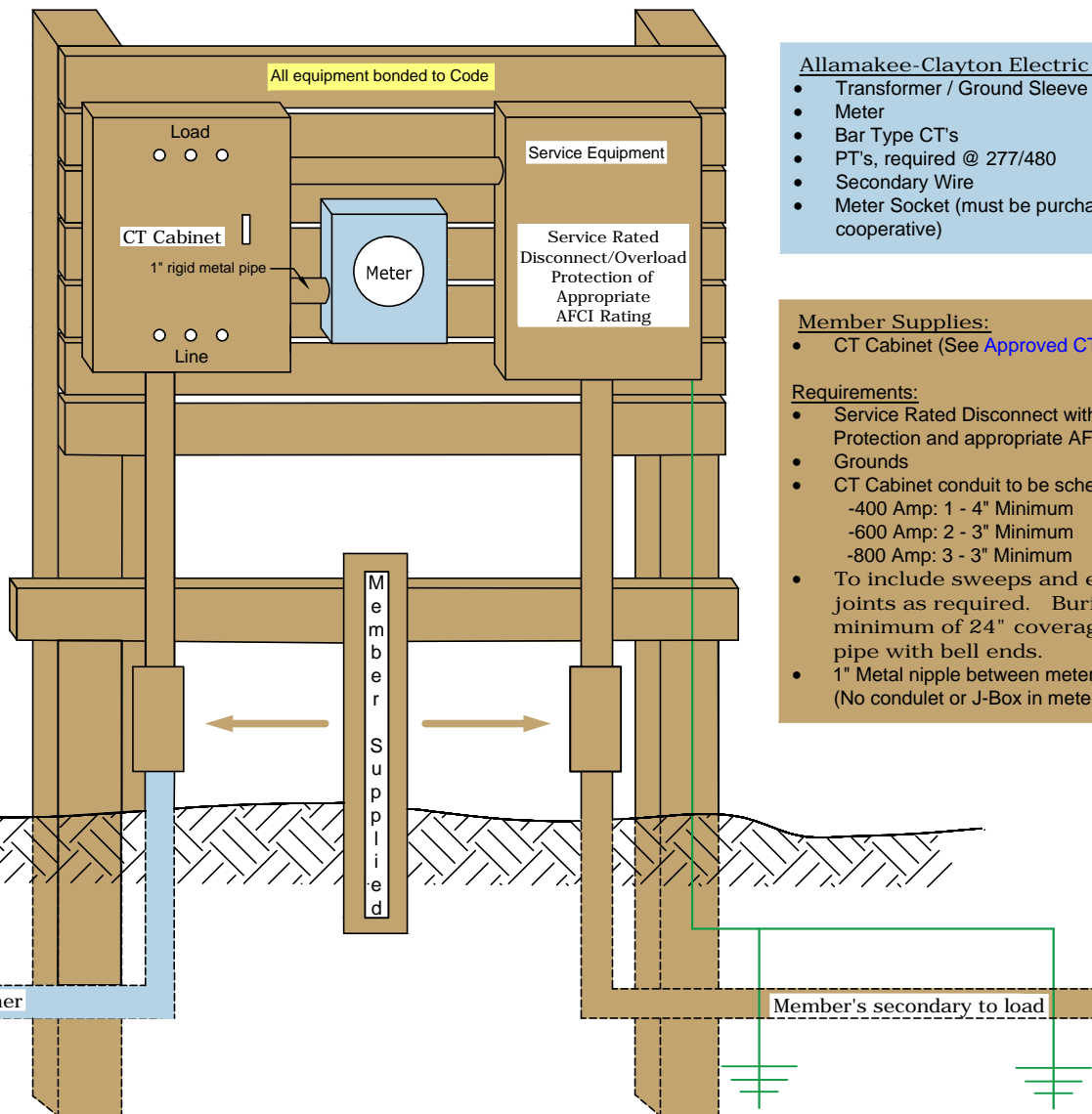
Wiring/Service Specifications and Recommendations

Phone: 1-888-788-1551 or 563-864-7611

400 to 800 Amp Three Phase

- Voltage-120/208 or 277/480 (see note below)
- Transformer size and location TBD by ACEC
- Metering located within 20 feet of transformer - Minimum of 30 feet if Agricultural

- Meter Height at 48" to 60"
- Ground to NEC and IA Electrical Code
- Post - Minimum of 6"x6" treated buried a minimum 3 ft. in ground
- Backboards-5/4 treated deck boards or larger (no plywood)



Allamakee-Clayton Electric Supplies:

- Transformer / Ground Sleeve
- Meter
- Bar Type CT's
- PT's, required @ 277/480
- Secondary Wire
- Meter Socket (must be purchased from cooperative)

Member Supplies:

- CT Cabinet (See [Approved CT Cabinet list](#))

Requirements:

- Service Rated Disconnect with Overcurrent Protection and appropriate AFCI rating
- Grounds
- CT Cabinet conduit to be schedule 80
 - 400 Amp: 1 - 4" Minimum
 - 600 Amp: 2 - 3" Minimum
 - 800 Amp: 3 - 3" Minimum
- To include sweeps and expansion joints as required. Buried to a minimum of 24" coverage to top of pipe with bell ends.
- 1" Metal nipple between meter and CT Cabinet. (No conduit or J-Box in metering conduit).

Any service 120/240 Volt 3 Phase or above 250 Volt needs prior approval from Cooperative Engineering staff