

ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

Wiring/Service Specifications and Recommendations

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

**400 to 600 Amp Three Phase
120 / 208 or 277 / 480**

- All equipment rated over 300 Amp shall be CT metered.
- Meter Height at 48" to 60"
- Support post - Minimum of 6"x6" treated buried a minimum 3 ft. in ground.
- Backboards-5/4 treated deck boards or larger (no plywood)..
- Metering located within 12 to 30 feet of transformer if Agricultural.

Allamakee-Clayton Electric Supplies:

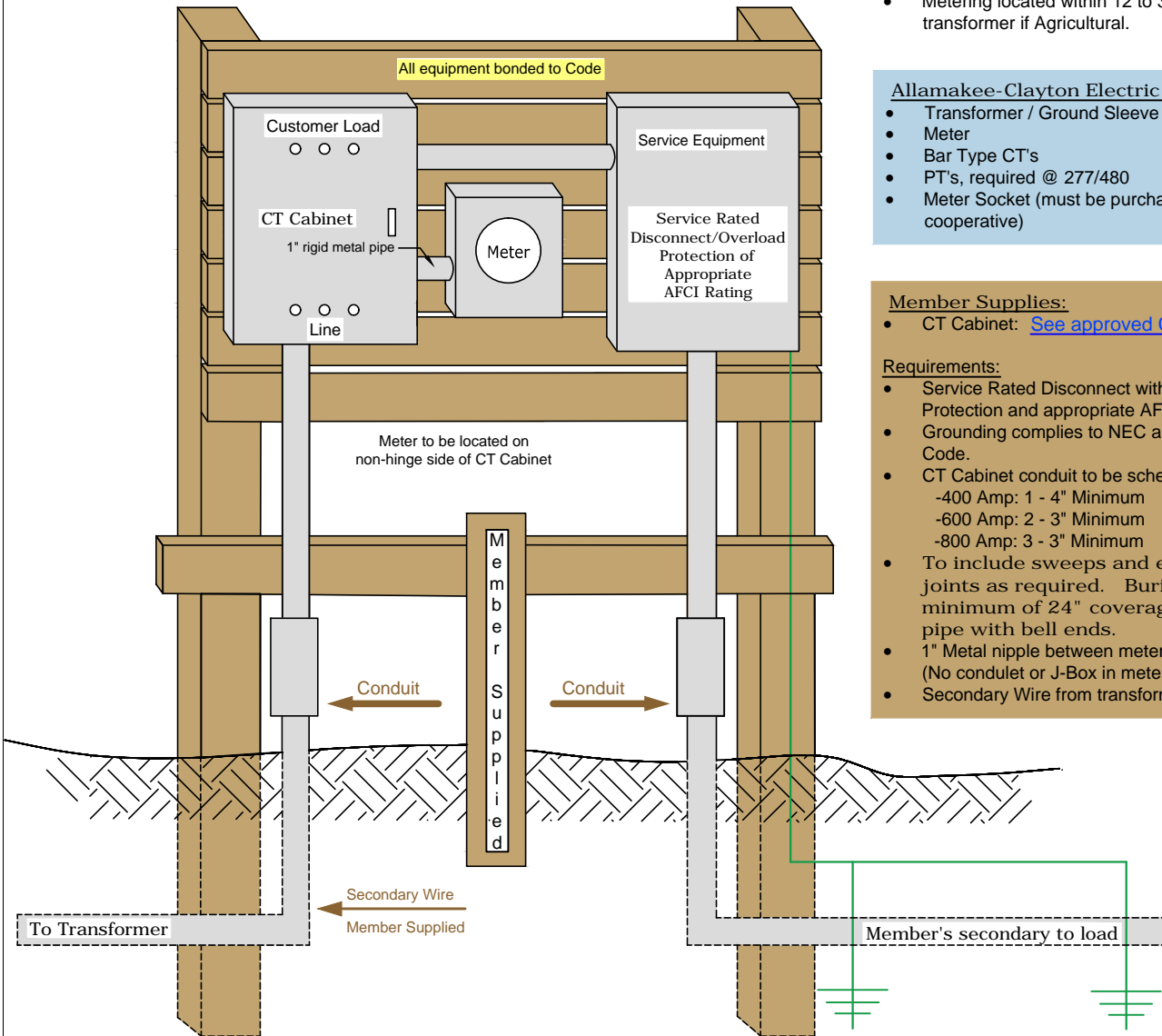
- Transformer / Ground Sleeve
- Meter
- Bar Type CT's
- PT's, required @ 277/480
- Meter Socket (must be purchased from cooperative)

Member Supplies:

- CT Cabinet: [See approved CT Cabinet list](#)

Requirements:

- Service Rated Disconnect with Overcurrent Protection and appropriate AFCI rating
- Grounding complies to NEC and IA Electrical Code.
- 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).
- Secondary Wire from transformer.



Transformer size and Location of service to be determined at joint meeting with engineer at the building site.
Must pass [State Fire Marshall Electrical Inspection](#)