

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:

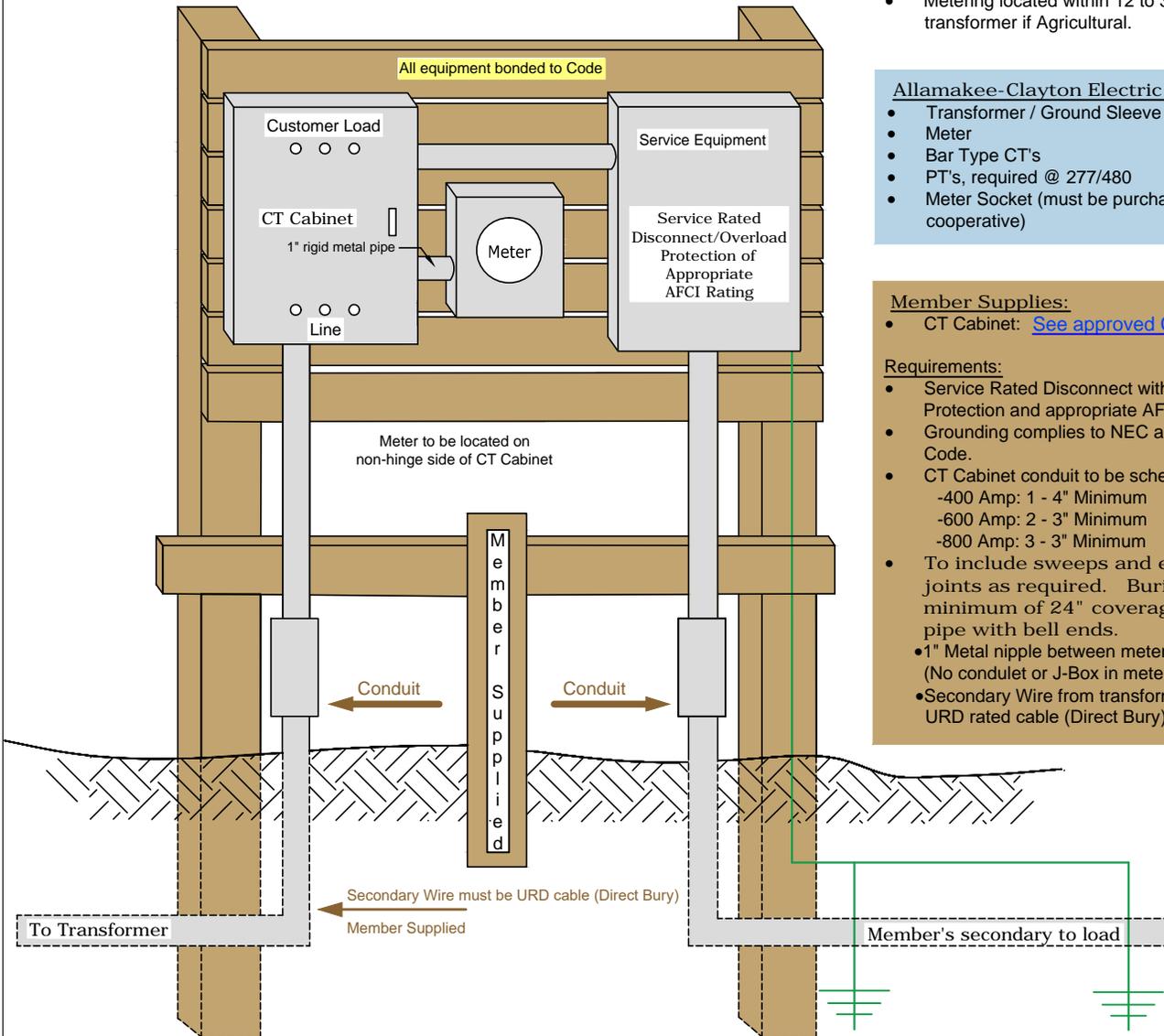
- Transformer / Ground Sleeve
- Meter
- Bar Type CT's
- PT's, required @ 277/480
- Meter Socket (must be purchased from cooperative)

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 must be URD rated cable (Direct Bury)



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](#)