

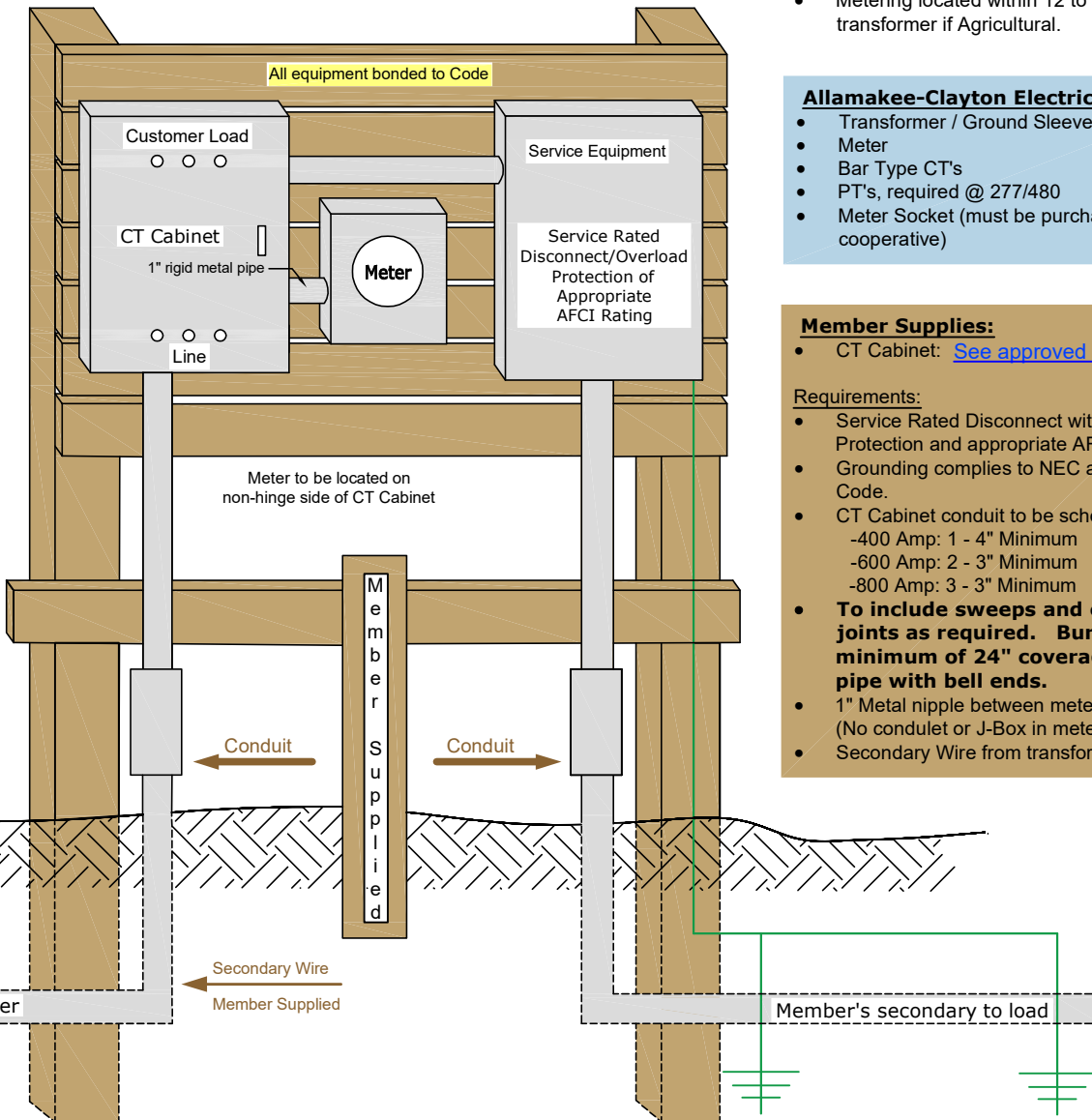
ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

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.

- Member supplied secondary wire cannot exceed 500 MCM.
- Transformer size and location of service to be determined at joint meeting with the engineer at the building site.
- For UG transformer, leave 12' coil - 2' away from transformer.
- For OH Transformer, leave 40' tail at the base of pole.
- Must pass [State Fire Marshall Electrical Inspection](#)