

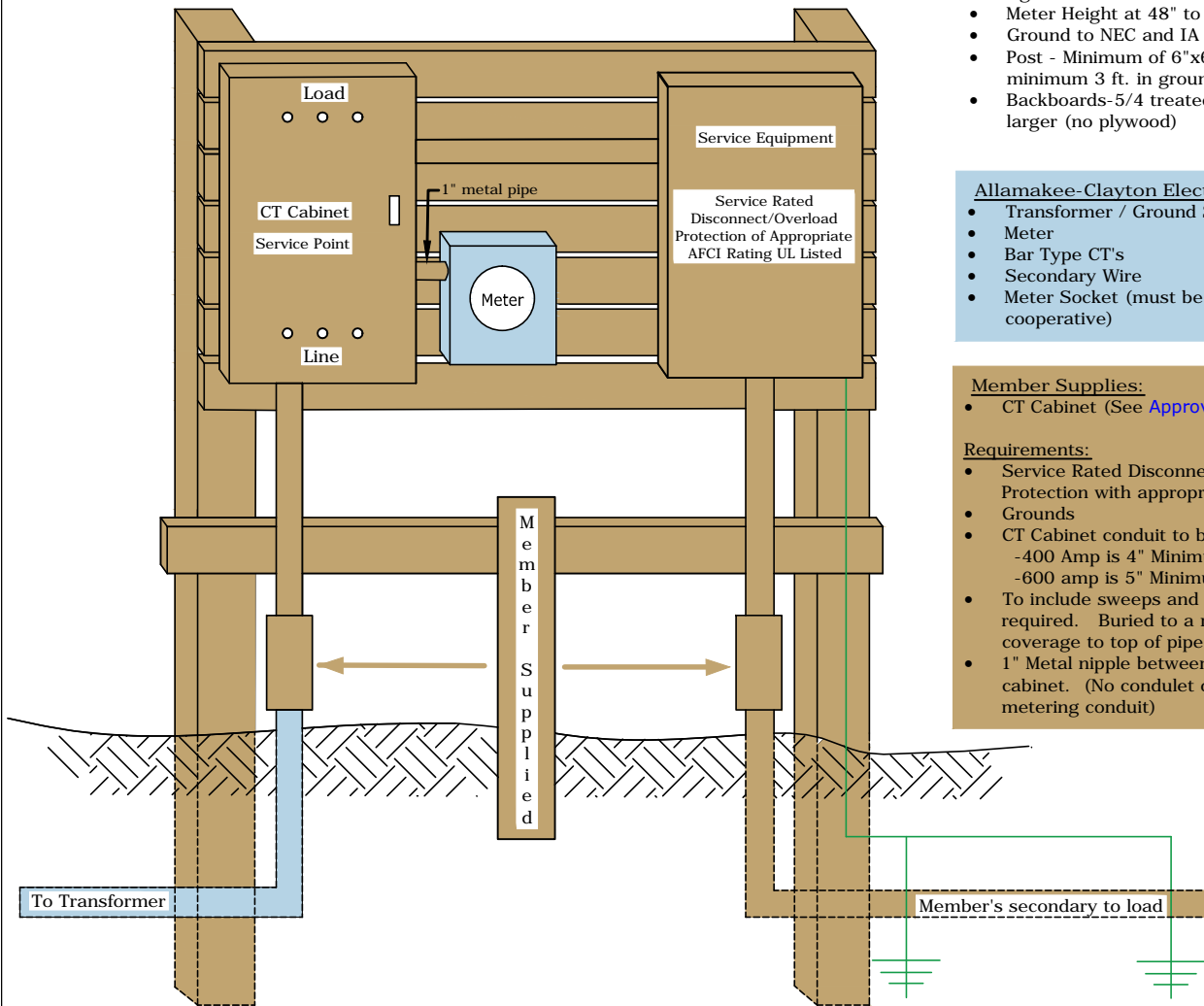
ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

Wiring/Service Specifications and Recommendations

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

**400 to 600 Amp Single Phase
120 / 240 Volt**

Transformer size and location TBD by ACEC



- All equipment rated over 320 Amps shall be CT metered
- Minimum of 30 feet from Transformer 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
- Secondary Wire
- Meter Socket (must be purchased from cooperative)

Member Supplies:

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

Requirements:

- Service Rated Disconnect/Overcurrent Protection with appropriate FCI Rating
- Grounds
- CT Cabinet conduit to be schedule 80
 - 400 Amp is 4" Minimum
 - 600 amp is 5" Minimum
- To include sweeps and expansion joints as required. Buried to a minimum of 24" coverage to top of pipe.
- 1" Metal nipple between meter and CT cabinet. (No conduit or J-Box in metering conduit)

- Location to be determined at meeting
- Any Single Phase over 600 amp or 250 Volts must have prior approval of Cooperative Engineering Staff