

# ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

## Wiring/Service Specifications and Recommendations

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

### 400 to 800 Amp Single Phase

- Voltage-120/240
- Transformer Size TBD by ACEC
- Metering shall be within 20 feet of transformer
- Transformer location TBD by ACEC
- No conduit or junction boxes in metering conduit

- All equipment rated over 320 Amps shall be CT metered
- Minimum of 30 feet from Transformer if Agricultural

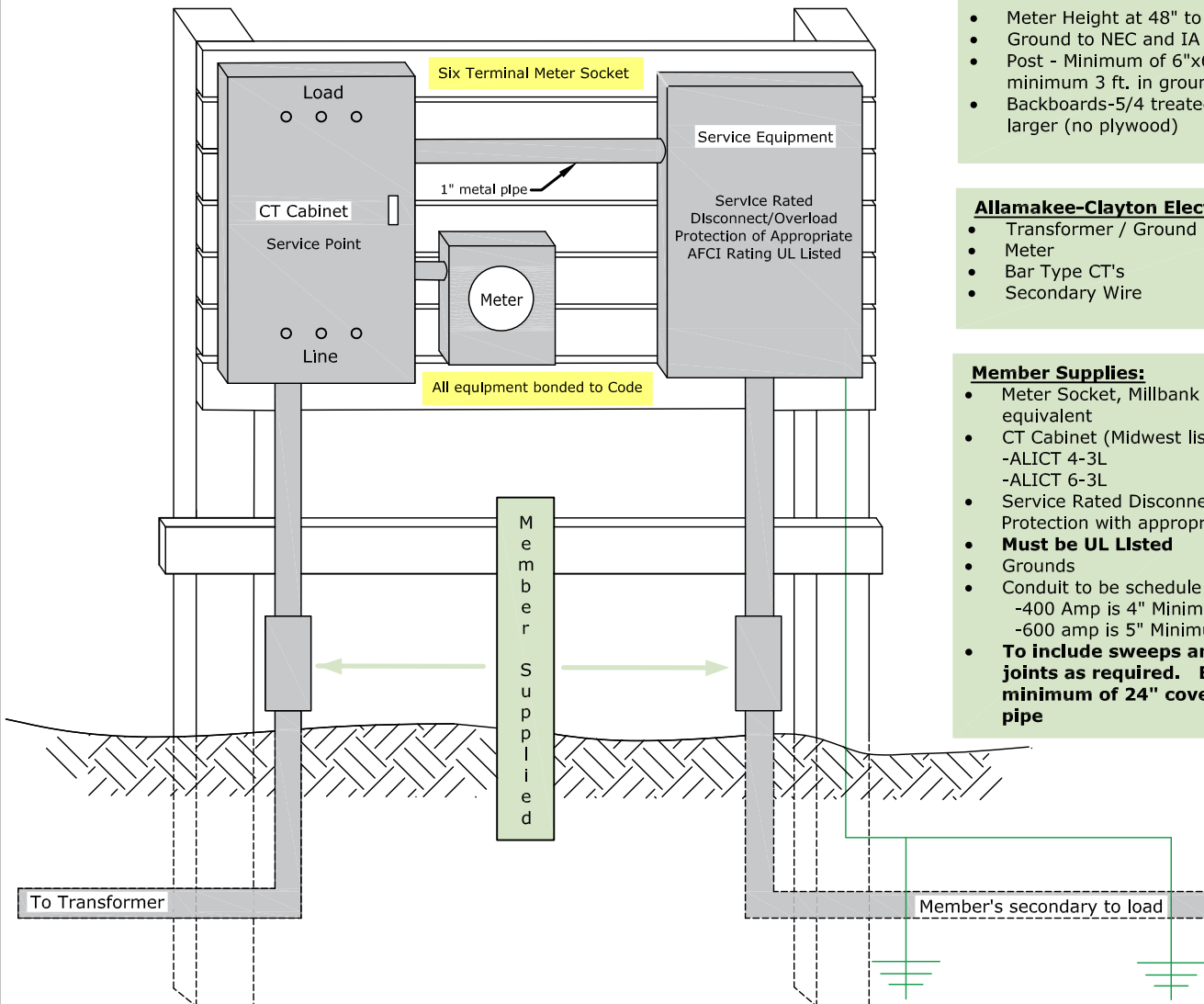
- Meter Height at 48" to 60"
- Ground to NEC and IA Electrical Code
- Post - Minimum of 6"x6" treated buried a minimum 3 ft. in ground
- Backboards-5/4 treated deck boards or larger (no plywood)

#### Allamakee-Clayton Electric Supplies:

- Transformer / Ground Sleeve
- Meter
- Bar Type CT's
- Secondary Wire

#### Member Supplies:

- Meter Socket, Millbank UC 1299-RL or equivalent
- CT Cabinet (Midwest listed or equivalent)
  - ALICT 4-3L
  - ALICT 6-3L
- Service Rated Disconnect/Overcurrent Protection with appropriate FCI Rating
- **Must be UL Listed**
- Grounds
- 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**



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