

ALLAMAKEE-CLAYTON ELECTRIC COOPERATIVE, INC.

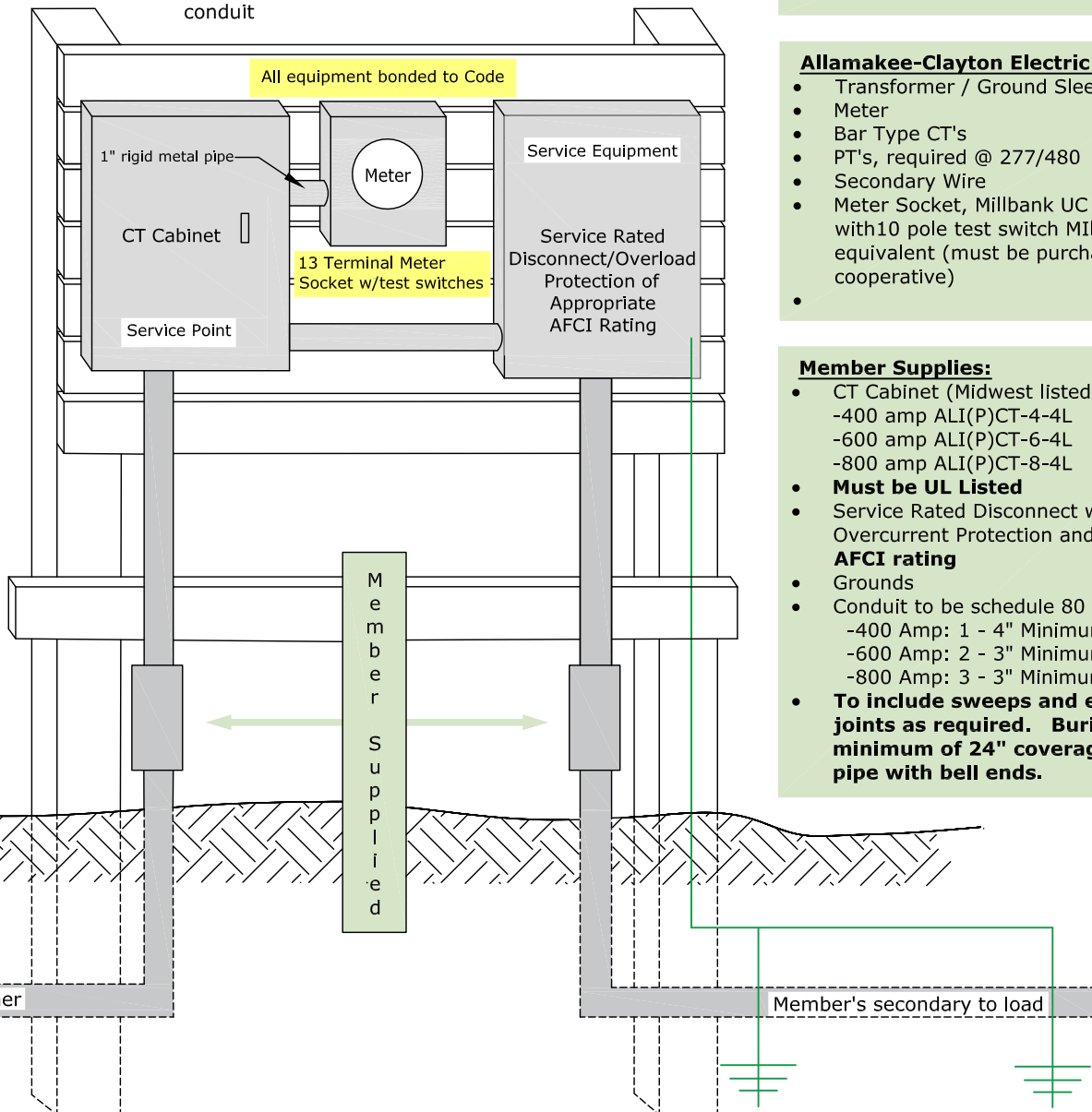
Wiring/Service Specifications and Recommendations

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

200 to 800 Amp Three Phase

- Voltage-120/208 or 277/480
- Transformer Size TBD by ACEC
- Metering located within 20 feet of transformer - Minimum of 30 feet if Agricultural
- Transformer location TBD by ACEC
- No conduit or junction boxes in metering conduit

- 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
- PT's, required @ 277/480
- Secondary Wire
- Meter Socket, Millbank UC 7449 XL 871 with 10 pole test switch MIL-TS10-0100 or equivalent (must be purchased from cooperative)

Member Supplies:

- CT Cabinet (Midwest listed or equivalent)
 - 400 amp ALI(P)CT-4-4L
 - 600 amp ALI(P)CT-6-4L
 - 800 amp ALI(P)CT-8-4L
- **Must be UL Listed**
- Service Rated Disconnect with Overcurrent Protection and **appropriate AFCI rating**
- Grounds
- 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.**

Member supplied conduit to be schedule 80 to include sweeps and expansion joints to a minimum of 24" deep

- 400 amp requires one 4" minimum
- 600 amp requires two 3" minimum
- 800 amp requires three 3" minimum