



(2) 5/8" x 8'0" copper clad ground rod to be flush with or below grade in undisturbed soil

NOTICE

This drawing illustrates C&L requirements only and is not intended to be a comprehensive guide for the installation of an electrical service. To insure safe, quality installation that complies with the National Electrical Code and local code requirements, the cooperative recommends that all electrical work be done by a qualified, licensed electrical contractor.

NOTES:

1. Customer facilities shall comply with C&L Electric standards, the National Electrical Code and authorities having jurisdiction.
2. Customer shall install meter enclosure, conduit, and weatherhead.
3. A minimum of 3'0" of each conductor shall extend from the top of the service mast. The neutral shall be marked with white tape at both ends. Neutral can be bare.
4. Main breaker should be within 2'-0" of the meter. Outside wall is recommended.
5. Distance from fascia to center of mast to be 4'0" max. NEC. Only rigid metal or IMC conduit can be used above the roof. Guying or bracing of the mast may be required.

| Member Installation Minimum Wire & Conduit Size | | | | | |
|---|--------------|-------------------------------|-----------------------------|---------|------------------|
| Service Rating | Conduit Size | Aluminum (Insulation per NEC) | Copper (Insulation per NEC) | Neutral | Ground Wire Size |
| 100A | 2 in | #2 | #4 | See NEC | #6 cu |
| 200A | 2 in | #4/0 | #2/0 | See NEC | #4 cu |
| 320A | 3 in | 500 kcmil | 350 kcmil | See NEC | #2 cu |



C&L Electric
Cooperative Corporation

**OVERHEAD SERVICE THROUGH THE ROOF
TO A RESIDENCE**