



| REF. NO. | DESCRIPTION               | QTY.        | SIZE              |
|----------|---------------------------|-------------|-------------------|
|          |                           |             | 100 Amp           |
| 1        | Conduit, rigid galvanized | 15'         | 1 1/4"            |
| 2        | Conductor                 | As required | # 4 copper        |
|          | Optional                  | As required | # 2 aluminum      |
| 3        | Conduit Strap             | 4           | 1 1/4"            |
| 4        | Screw, Lag                | 8           | As required       |
| 5        | Ground Conductor          | 8'          | #6 copper         |
| 6        | Bushing, bonding type     | 2           | 1 1/4"            |
| 7        | Galvanized locknut        | 4           | 1 1/4"            |
| 8        | Meter base                | 1           | Furnished by Coop |
| 9        | Copperweld ground rod     | 1           | Installed by Coop |
| 10       | Ground rod clamp          | 1           | Installed by Coop |
| 11       | Weatherhead               | 1           | 1 1/4"            |
| 12       | Conduit nipple            | 1           | 1 1/4"            |
| 13       | Weatherproof disconnect   | 1           | 100 Amp           |
| 14       | Breaker or fuse           | 1           | 100 Amp           |

- A. Secure meter base and disconnect firmly to back of pole by using 8 - 1 1/2" x 12 RH wood lag screws.
- B. Identify neutral at weatherhead by removing 1" or more of insulation.
- C. If aluminum conductor is used, apply corrosion inhibitor to all connections.
- D. All work shall be done in accordance to the national, state or local electric codes.
- E. Rigid galvanized steel is the only type of conduit that is acceptable.
- F. Approximately 3 feet of conductor will extend from the weatherhead.
- G. All conductor from the meter base to the service disconnect shall be in conduit.

|   |                  |                        |
|---|------------------|------------------------|
| <b>100 AMP OVERHEAD TO UNDERGROUND SERVICE LOOP ON A POLE</b> |                  |                        |
| Date:<br>7/15/2009  | Drawn By:<br>BGA | DRAWING NAME<br>TCEC45 |