A minimum of 2 ground rods are required. Number of ground rods required to achieve minimum 25 ohms resistance:

1. Pole mounted controller cabinet
   - Up to 4 ground rods may be required. Contractor to install details 24" beyond foundation and be capped.
   - Ground wires
   - Power to enter through separate ground rod 4 required.
   - Standard channel, base mounted controller cabinet
   - Steel pole
   - Steel bands
   - Steel band
   - Lockable disconnect system enclosure
   - Ground wires
   - Power service entrance

2. Controller equipment cabinet
   - Type & No. may vary. See plans.
   - Wood pole
   - Steel bands
   - Steel band
   - Lockable disconnect system enclosure
   - Ground wires
   - Power service entrance

3. Foundations to have one spare 2" conduit. Spare conduit to extend (see note 4)

4. Alternate typical detail for steel strain pole mounted controller cabinet
   - (Overhead power service entrance)
   - See sheet T-SG-10 for foundation details
   - TYPICAL DETAIL FOR WOOD POLE MOUNTED CONTROLLER CABINET
   - TYPICAL DETAIL FOR STEEL POLE MOUNTED CONTROLLER CABINET

5. Contractor to install details:
   - 24" beyond foundation and capped.
   - Ground wires
   - Power service entrance

6. Required separate ground rod.

7. Controller equipment cabinet (4 phase operation w/ master)

8. ALTERNATE TYPICAL DETAIL FOR STEEL STRAIN POLE MOUNTED CONTROLLER CABINET
   - (Overhead power service entrance)
   - See sheet T-SG-10 for foundation details
   - Typical power service to be run internally down pole from Weatherhead at top of pole.

9. Power service entrance
   - Overhead or underground
   - Separate or shielded cable
   - Nipples & elbows
   - Rgs conduit
   - 3" min.

10. Foundation:
    - Class A concrete
    - Use

11. Mounting bracket
    - For pole mounted controller cabinet
    - Side
    - Top

12. Approximate minimum dimensions for controller equipment cabinet:
    | TYPE | DEPTH (D) | WIDTH (W) | HEIGHT (H) |
    |------|-----------|-----------|-----------|
    | 4 PHASE POLE MOUNTED | 12" | 24" | 12" |
    | 4 PHASE BASE MOUNTED | 12" | 24" | 12" |
    | 3 PHASE BASE MOUNTED | 12" | 24" | 12" |
    | 3 PHASE WITH MASTERS | 12" | 24" | 12" |

13. Larger sizes may be required for locations with additional equipment.