NOTE:
It shall be the contractor's responsibility to provide a complete service assembly as per the plans and service specifications.
The service installation shall meet the requirements of the National electric code and applicable local codes.
Shop drawings are not required for service equipment, unless noted in the plans.

Concrete Pole, Prestressed Type P-11, 38' Long

Conductor Weatherhead Height As Required By Power Company

Meter As Required Height Specified By Power Company

Main Disconnect P.E. Controller when required

Rigid Or Intermediate Metal Conduit On All Above Ground Installations

Connection For Pole Ground, Bond Wire, And Ground Rod

DETAIL A
AERIAL FEED

#6 AWG Insulated Copper Ground Wire In 3/4" Rigid Galvanized Steel Conduit

UL Approved Ground Rod, 1/2" Dia. 40' Long Copper Coad (40 Service Points)

UL Approved Ground Rod, 1/2" Dia. 40' Long Copper Coad (40 Service Points)

DETAIL B
UNDERGROUND FEED

#6 AWG Insulated Copper Ground Wire In 3/4" Rigid Galvanized Steel Conduit

CONCRETE POLE, PRESTRESSED TYPE P-11, 38' LONG

CONDUCTOR WEATHERHEAD HEIGHT AS REQUIRED BY POWER COMPANY

METER AS REQUIRED HEIGHT SPECIFIED BY POWER COMPANY

MAIN DISCONNECT P.E. CONTROLLER WHEN REQUIRED

RIGID OR INTERMEDIATE METAL CONDUIT ON ALL ABOVE GROUND INSTALLATIONS

CONNECTION FOR POLE GROUND, BOND WIRE, AND GROUND ROD

PHOTO ELECTRIC CONTROLLER DETAIL

1. Photo Electric Controls are required.
2. All neutral wires to have White insulation, do not use White or Green insulated wires for ungrounded conductors.
3. A P.E. Box is required at each service point.

NOTES:

1. Photo Electric Controls are required.
2. All neutral wires to have White insulation, do not use White or Green insulated wires for ungrounded conductors.
3. A P.E. Box is required at each service point.

Main Disconnect Box

P.E. Controller As Required

Plexiglass

Cut a 2" hole in the bottom of the Main Disconnect Box for the operation and mounting of the P.E. controller. Use plexiglass and a clear silicone sealant to cover hole, install P.E. Controller.

SERVICE SPECIFICATIONS

1. The main disconnect shall be NEMA 3R, pole mounted.

2. The enclosure door shall be lockable by padlock and four keys provided to the maintaining agency. The door shall have a minimum of three latches and be latchable. No screws to be used to attach door.

3. 480 Volt minimum rating bolt-in type breakers shall be used.

4. Busbar to be copper coated and have a minimum rating of 100 amps. When main breaker exceeds 100 amp busbar to match breaker amperage.

5. Locate Transformer, P.E. Controller, and M.U.A. Switch inside enclosure. The enclosure to be sized to accommodate as many breakers as called for and all other service equipment.

6. The enclosure to be rigidly attached to the pole face.

7. A 600 Volt lighting protector shall be wired inside the enclosure.

8. A main breaker is required in all service panels with 2 or more feeder breakers.

9. All service equipment shall be U.L. approved.