**GENERAL NOTES:**

1. It shall be the contractor's responsibility to provide a complete service assembly as per the plans and service specifications.

2. The service installation shall meet the requirements of the national electric code and applicable local codes.

3. Shop drawings are not required for service equipment, unless noted in the plans.

4. A Pull Box is required at each service point, see Index 635-001.

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**SERVICE POINT DETAILS**

**DETAIL A**

AERIAL FEED

- Concrete Pole Prestressed Type P-II, 36' Long
- Clevis With Insulators
- Conductor Weatherhead Height As Required By Power Company
- Meter As Required Height Specified By Power Company
- Service Disconnect
- #6 AWG Insulated Grounding Electrode Conductor In 1½" Rigid Galvanized Steel Conduit
- Pull Box
- Concrete Pad
- Grade
- 4" (Min.) Depth To Ground Rod (Typ.)
- 12" Bed Of Pea rock Or Crushed Stone For Drainage (Typ.)
- U.L. Approved Ground Rod, ¾ Dia. 40 Long Copper Clad (All Service Points)

**DETAIL B**

UNDERGROUND FEED

- Concrete Pole, Prestressed Type P-II, 12' Long
- Clevis With Insulators
- Conductor Weatherhead Height As Required By Power Company
- Meter As Required Height Specified By Power Company
- Service Disconnect
- #6 AWG Insulated Grounding Electrode Conductor In 1½" Rigid Galvanized Steel Conduit
- Pull Box
- Concrete Pad
- Grade
- 4" (Min.) Depth To Ground Rod (Typ.)
- 12" Bed Of Pea rock Or Crushed Stone For Drainage (Typ.)
- Connection For Pole Ground, Bond Wire, And Ground Rod
Keyed Notes:
2. Service Feeder in Rigid Galvanized Steel Conduit.
3. Meter Socket by Contractor
4. Service Main Disconnect.
6. Concrete Riser Pole.
7. Weathertight
8. Electrical Panel. Number and Rating of Branch Circuit Breakers shall be as indicated in Distribution Point Description on Lighting Plan Sheets.
10. Copper Clad Ground Rod, 40' Long.
11. #6 Insulated Copper Ground Wire. Bond the Service Neutral to Ground at Service Main Disconnect.
12. Fused Control Power Transformer 0.5 KVA, Single Phase, 480V Primary, 120V Secondary (Part of Lighting Contactor, Shown Outside for Clarity).
13. Lighting Arrester Mounted on Outside of Enclosure.
15. 2 Pole Electrical Lighting Contactor.
16. 120V Photoelectric cell, 1800VA with 2000V Peak Surge Protection.
17. Hand-off Automatic Selector Switch (Part of Lighting Contactor, Shown Outside for Clarity).
18. Concrete Pad.
20. Mount on Riser Pole.
21. Ground BUS.
22. NEMA 4X SST Ground Mounted Storage Cabinet with Two Shelves. Only Required for High Mast Lighting Systems.

ONE LINE DIAGRAM DISTRIBUTION POINT
PHOTOELECTRIC CONTROLLER DETAIL

Cut a 2" hole in the side of the Lighting Control Panel enclosure for the operation and mounting of the Photo Electric controller. Use a biodegradable sealant to cover hole, install Photo Electric Controller.