### DESCRIPTION:
- **Equipment Ground Conductor**: #6 Solid Copper Wire (Bare)
- **PVC Conduit**: 1" PVC conduit with #6 Solid Copper Ground Wire (Bare)
- **Access Panel**: U.L. approved Ground Red 1/2" diameter 20' long copper clad with approved ground connection (At all pull boxes)
- **Breakaway Fuseholders**: with solid copper slugs. Slugs to be same size as 10 Amp fuse.
- **Strain Relief Fitting (See Note #2)**
- **Surge Protective Device (SPD)**
- **Breakaway Fuseholders on Neutral side with solid copper slug (Line To Neutral Service)**. Slugs to be same size as 10 Amp fuse.
- **Breakaway fuseholder on 480V side with a 10 Amp slow blow fuse for line to line service both lines to be fused**.
- **PVC Conduit**: with Type TC Cable
- **12" bed of Pearock or crushed stone for drainage**

### NOTES:
1. **Barrier wall or bridge mounted poles**: The wiring shall be in accordance with Section 992 of the Standard Specifications.
2. **Provide cable length to remove fuseholders from transformer base, pole base or pull box for maintenance. Remove slack from the luminaire cable to provide tension on the fuseholders if the pole breaks away. Pull excess cable into pull box tighten strain relief fittings or cable clamps at both ends of conduit to prevent cable from slipping.**

### METAL POLE DETAIL

**Notes:**
- **Edge of traveled pavement or face of curb.**
- **Length of Bracket Arm**
- **Pole setback 20' unless otherwise noted on plans**

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### WIRING DIAGRAM

- **Luminaire**
- **Pole**
- **Luminaire Cable**
- **Breakaway Fuseholders**
- **Strain Relief Fitting (See Note #2)**
- **PVC Conduit**
- **Pull box**
- **Equipment Ground Conductor**
- **Pole Ground Conductor**
- **Ground rod**
- **Access Panel**
- **Surge Protective Device (SPD)**
- **Breakaway Fuseholders on Neutral side with solid copper slug (Line To Neutral Service)**. Slugs to be same size as 10 Amp fuse.
- **Breakaway fuseholder on 480V side with a 10 Amp slow blow fuse for line to line service both lines to be fused**.
- **PVC Conduit**: with Type TC Cable
- **12" bed of Pearock or crushed stone for drainage**

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### WIRING DETAILS
NOTES:
1. Use compacted select material in accordance with Index 505.
2. Concrete shall be Class N5 with a minimum strength at 28 days of f'c=2.5 ksi.
3. Outside edge of slab shall be cast against formwork.
4. The pull box shown is 13" x 24"; others approved under Section 835 of the Standard Specifications may be used.
5. Slabs to be placed around all Poles and Pull Boxes in rural locations. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.
6. Concrete for slabs around pull boxes shall be included in the price of pull box.

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The pull box shown is 13" x 24"; others approved under Section 835 of the Standard Specifications may be used.

Slabs to be placed around all Poles and Pull Boxes in rural locations. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.

Concrete for slabs around pull boxes shall be included in the price of pull box.
NOTES:
1. Use compacted select material in accordance with Index 365.
2. Concrete shall be Class NS with a minimum strength at 28 days of $f_{c} = 2.5$ ksi.
3. Outside edge of slab shall be cast against formwork.
4. The pull box shown is 1'-4" x 24"; others approved under Section 833 of the Standard Specifications may be used.
5. Slabs to be placed around all Poles and Pull Boxes. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.
6. Concrete for slabs around poles and pull boxes shall be included in the price of pole or pull box.
7. The expansion joint shall consist of ½" of closed-cell polyethylene foam expansion material. The top ½" of expansion material shall be removed after pouring the slab and sealed with an APL approved Type A sealant meeting the requirements of Section 932.

Concrete shall be Class NS with a minimum strength at 28 days of $f_{c} = 2.5$ ksi. Use compacted select material in accordance with Index 365.

The pull box shown is 1'-4" x 24"; others approved under Section 833 of the Standard Specifications may be used.

Slabs to be placed around all Poles and Pull Boxes. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.

Concrete for slabs around poles and pull boxes shall be included in the price of pole or pull box.

The expansion joint shall consist of ½" of closed-cell polyethylene foam expansion material. The top ½" of expansion material shall be removed after pouring the slab and sealed with an APL approved Type A sealant meeting the requirements of Section 932.