



VIEW A-A

**NOTES:**

1. Typical installation— Consult utility concerned and local codes for specific requirements.
2. All underground rigid galvanized steel conduit shall be wrapped with an approved P.V.C. tape.

**MATERIAL LIST**

| Itm. | Qu. | Description   |
|------|-----|---|
| 1    | 1   | Class 3 Wood Pole Fully Treated - 25' Min. (See Gen. Specs.)  |
| 2    | 1   | Eye Bolt  |
| 3    |     | 3 Wire 120/240 V. A.C. By Utility Co.   |
| 4    | 3   | THW Wire - 2 Black, 1 White   |
| 5    | 1   | Down Guy - Install Where Service Drop Exceeds 100', Or As Directed By Engineer                                  |
| 6    |     | Rigid Galv. Steel Conduit & Service Entrance Cap  |
| 7    | 1   | Photo Electric Cell On Bracket Facing North Mounted 16' From Ground Level, Mount "C" - See T.S. 15-5, See Plans |
| 8    | 1   | Service Entrance Cap - See Conductor Schedule On Plans  |
| 9    |     | Conduit Clamps As Required  |
| 10   | 1   | Water Tight Flex Conduit With Approved Fittings   |
| 11   |     | Conduit Clamps As Required  |
| 12   | 1   | Rigid Galv. Steel Conduit - See Conductor Schedule On Plans   |
| 13   | 1   | Meter And Socket  |
| 14   | 1   | 3/4" Med. Density Plywood Backing Board   |
| 15   | 1   | 250 V. Raintight Multi - Breaker  |
| 16   |     | Rigid Galv. Steel Conduit - See Conductor Schedule On Plans   |
| 17   |     | Rigid Galv. Steel Conduit   |
| 18   |     | Grounding Conductor   |
| 19   | 1   | 5/8" Ø x 10' Copper Clad Ground Rod With Clamp  |
| 20   |     | Galv. Steel Insulated Grounding Conduit Bushing When Req'd.   |
| 21   | 1   | Pull Box  |
| 22   |     | Galv. Steel Insulated Grounding Conduit Bushing   |
| 23   |     | Conduit End Bell  |
| 24   | 1   | 3/8" Bolt Thru Pole, Board And Strap  |
| 25   |     | 1/8" x 1" Galv. Steel Strap   |
| 26   |     | 1/4" Galv. Nut, Bolt And Washer   |

- For Trade Size See Table Below
- ▲ When Required By Plans Or Special Provisions

**CONDUCTOR & CONDUIT SIZE REQUIREMENTS**

| Ampere Capacity | Service    |         | Grounding  |         |
|-----------------|------------|---------|------------|---------|
|                 | Conductors | Conduit | Conductors | Conduit |
| 60              | # 6        | 1 1/2"  | # 8        | 1/2"    |
| 100             | # 1        | 1 1/2"  | # 6        | 1/2"    |
| 150             | 2/0        | 2"      | # 4        | 3/4"    |
| 200             | 4/0        | 2 1/2"  | # 2        | 3/4"    |

|   |   |                          |
|---|---|--------------------------|
| DESIGN APPROVED<br><i>Barbie Brown</i><br>7/24/65 | STATE OF ARIZONA<br>DEPARTMENT OF TRANSPORTATION<br>DIVISION OF HIGHWAYS<br>STANDARD DRAWINGS | REV.                     |
| APPROVED FOR DISTRIBUTION<br><i>[Signature]</i>   | 120/240 V. SERVICE  | DRAWING NO.<br>T.S. 15-1 |