


- Notes:
1. If non-metallic conduit is used between the meter socket and main disconnect, a bonding conductor shall be installed.
 2. A single ground electrode shall be supplemented by an additional electrode except when the single electrode has a resistance to earth of 25 ohms or less.
 3. Three phase meter sockets and 320 Amp single phase meter sockets to be supplied with bypass.
 4. Drawing and recommendations are intended to serve as guidance for compliance with code and utility requirements. The NEC and/or Local Code Authorities may have additional requirements to those shown. The more stringent requirement will take precedence for differences between authorities.

* Conductor Sizes for General Purpose Service Equipment

| Service Rating (Amperes) | Typical Conduit Size (Inches) | Ungrounded Conductor Size (Minimum) | | Typical Grounded (Neutral) Conductor Size | | Grounding Electrode and Bonding Conductor Size |
|--------------------------|-------------------------------|-------------------------------------|-----------|---|-----------|--|
| | | Copper | Aluminum | Copper | Aluminum | |
| 100 | 1.50 | 2 AWG | 1/0 AWG | 4 AWG | 2 AWG | 6 AWG |
| 200 | 2.50 | 3/0 AWG | 250 kcmil | 1/0 AWG | 3/0 AWG | 4 AWG |
| 400 | 3.00 | 500 kcmil | 750 kcmil | 350 kcmil | 500 kcmil | 1/0 AWG |

This table is only a guide for some minimum conductor requirements and is not intended to be a comprehensive list of acceptable conductor sizes. The NEC should be reviewed to ensure compliance with all applicable requirements, including but not limited to conductor size, material, and insulation type.



SOUTHERN PINE ELECTRIC

OVERHEAD SERVICE TO METER POLE
FOR GENERAL PURPOSE SERVICE EQUIPMENT

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| DRAWN CLJ | CHECK JLJ | DATE JAN. 2016 | FILE NAME OH TO GENERAL PURPOSE |
| DATE 08/18/16 | REVISION CHANGED COMPANY LOGO | SCALE NOT TO SCALE | SHEET 1 OF 1 |