

Caution!
Contact all utilities
before digging

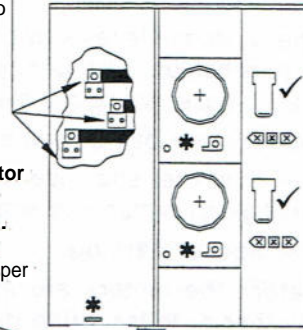
The maximum amperage Meter Socket allowed in this configuration is 200A.

* Provision for Company seal and Company padlock with 3/8" shackle
 These connectors shall accept 1-350 MCM AL

Marking as required by customer prior to Meters being installed. Note 5.

Unit disconnection means with lock-off provisions must accept Company padlock with 3/8" shackle

Install **Intersystem Ground Connector** in the grounding electrode conductor path at this location so that others, i.e. cable TV, telephone, may have easy access to ground bonding. This is as per 2008 NEC 250.94 (Zy)



The maximum amperage Meter Socket allowed in this configuration is 200A.

This wire shall be external and attached to the building. Follow NEC Guidelines if Conduit is used.

Meters furnished and installed by company

Ring Style Sockets are required.

| Gang Metering | Minimum size ground wire copper |
|---------------|---------------------------------|
| 2-100 Amp | #6 |
| 2-200 Amp | #6 |

| Minimum Conduit | |
|-----------------|--------------|
| Gang Metering | Conduit Size |
| 2-100 Amp | 2" |
| 2-200 Amp | 3" |

Rigid steel conduit is preferred but Sch 80 electrical grade PVC may be used.

| Gang Metering | Minimum size ground wire |
|---------------|--------------------------|
| 2-100 Amp | #6 Copper |
| 2-200 Amp | #6 Copper |

Two Hole Conduit Strap or Conduit Clamp (Minerallac)

Concrete Footing

5/8" X 8' Copper Clad Steel Ground Rod and Clamp

Ground elbow with grounding clamp See Note 4

All Grounding Systems shall be bonded together.

30" Minimum to the bottom of ditch.

Final Grade
 5/8" X 8' Copper Clad Steel Ground Rod and Clamp

Two Hole Conduit Strap or Conduit Clamp (Minerallac)

Ground elbow with grounding ring See Note 4.

Final Grade
 5/8" X 8' Copper Clad Steel Ground Rod and Clamp

All Grounding Systems shall be bonded together.

45° Galvanized rigid steel elbow

| Sweep Ell Minimum Radius | |
|--------------------------|--------|
| Conduit Size | Radius |
| 2" | 9.5" |
| 3" | 13" |

Note: Galvanized Rigid Steel

Preferred

Alternate

WARNING
 If this elbow is not supported or if the soil under it is not well compacted, the conduit may pull out of the Meter Pack resulting in a possible failure of the service.

The conduit shall rest on the bottom of the trench and will point toward the service source.

This denotes undisturbed earth.

Notes:

1. A Conduit Vent may be needed depending on the service arrangement and terrain.
2. Line of Sight installation is required. From City secondary power source to Customer point of delivery.
3. If the service route is longer than 100' contact the Company for conduit requirements.
4. A metal elbow that is installed in an underground installation of rigid nonmetallic conduit and isolated from possible contact by a minimum cover of 18 inches to any part of the elbow shall not be required to be grounded as per NEC Article 250.80, Service Raceways and Enclosures.
5. Before the meters are installed, each socket position and corresponding building unit served, shall be accurately, clearly and permanently labeled.

All Equipment Furnished & Installed By Customer Unless Otherwise Noted.

City of Monett

Pride and Progress

Building Inspector 417-235-5306
 Electric Foreman 417-737-0242
 City of Monett 65708
 217 5TH Street
 Monett MO. 65708

Definitions and Clearances on reverse