

**TYPICAL THREE PHASE, PADMOUNT  
TRANSFORMER, METERING INSTALLATION  
SERVING ONE CUSTOMER  
COMMERCIAL/INDUSTRIAL**

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**A. GENERAL NOTES:**

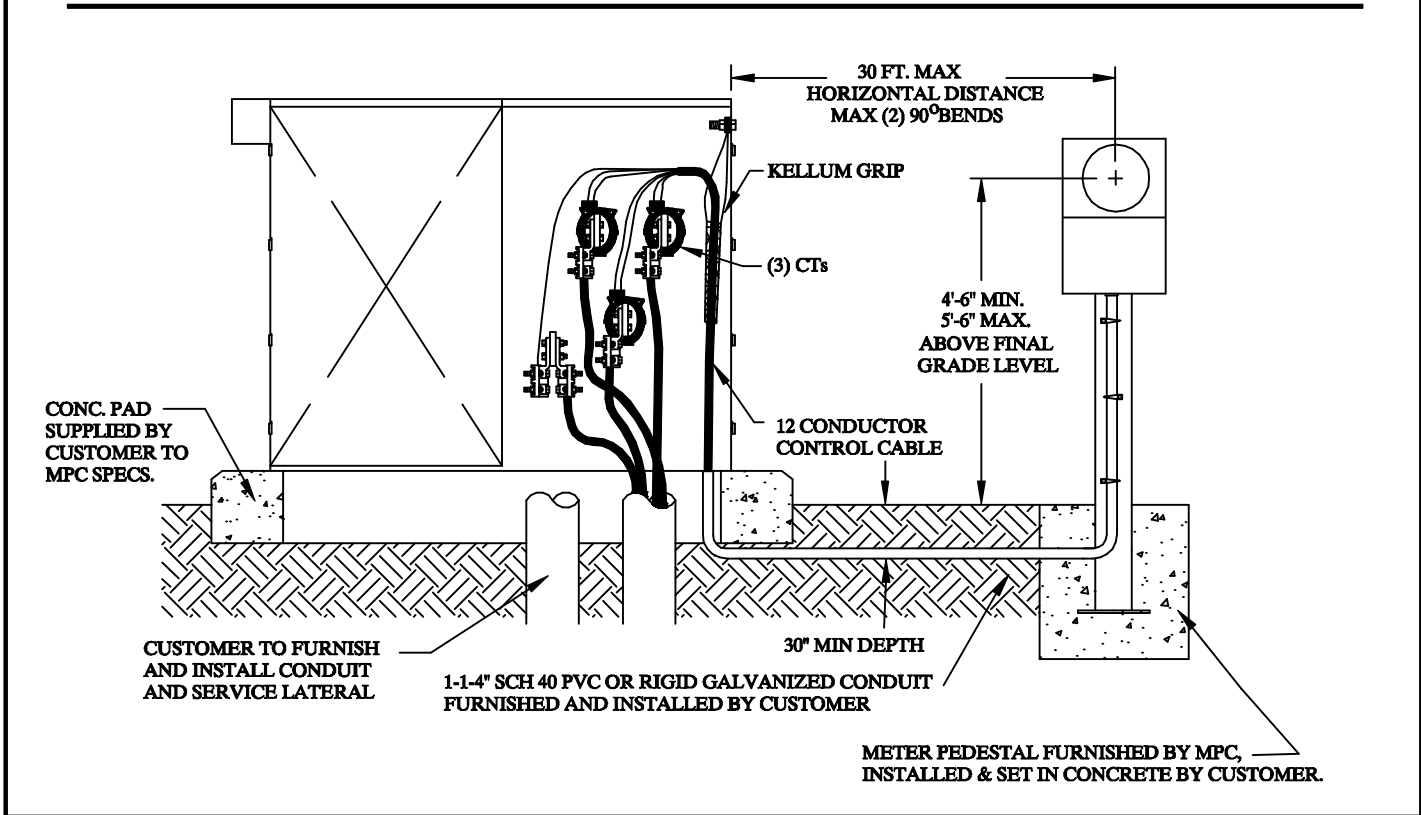
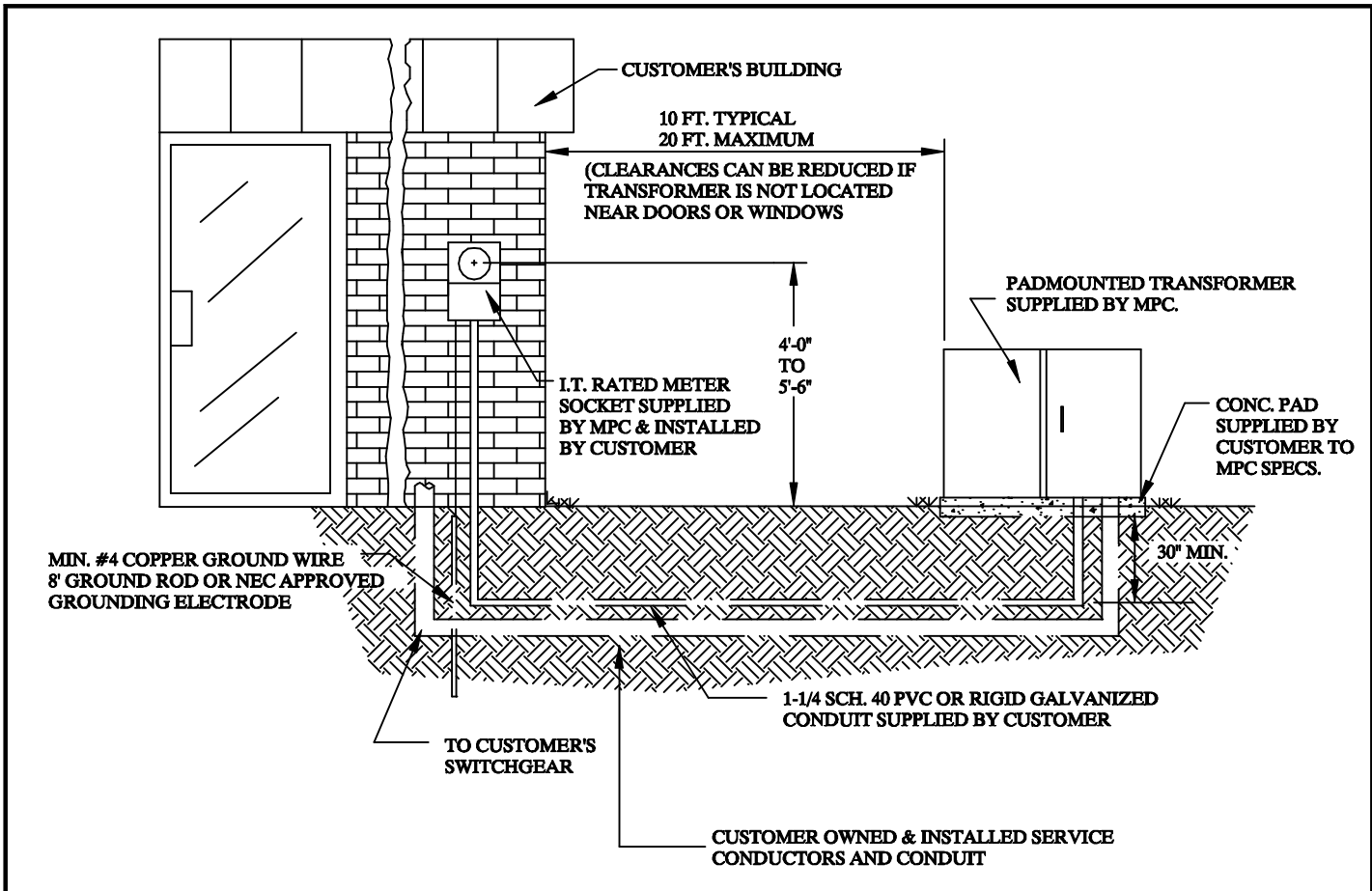
- Conductors, conduit, conduit straps, lock nuts, bushings, connectors, and miscellaneous mounting hardware furnished and installed by customer. MPC furnishes padmount termination connectors and completes the conductor installation.
- Meter socket and pedestal furnished (normally) by Company and installed by customer.
- Meter socket shall be mounted on a pedestal or outside wall of building. Meter socket shall not be mounted on the padmount transformer.
- C.T.s on secondary spades and 12 conductor control cable to be furnished and installed by Company.
- Concrete pad furnished and installed by customer per MPC specifications.
- Placement of meter socket in alley ways or area where meter is subject to damage shall require advance approval of a qualified employee.

**B. MOUNTING:**

- **Padmount transformer orientation should be approved by Company prior to installation of concrete pad. Padmount location shall be approved by a qualified MPC employee prior to installation. The location should allow reasonable natural air flow to prevent transformer overheating.**
- Meter socket and conduit straps shall be fastened to the pedestal using bolts. Bolts shall be minimum #12 corrosion resistant. A minimum of four (4) fasteners shall be used to mount socket.
- Conduit ends shall be equipped with a proper bushing to protect conductors.

**C. CONNECTIONS:**

- All connections shall be made by Company only.



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SUBJECT <u>PADMOUNT TRANSFORMER INSTALLATION</u>		
DETAIL <u>SERVICE ONE CUSTOMER</u>		
Date <u>05/30/96</u>	Plate <u>81</u>	File <u>MS0020</u>

# TYPICAL THREE PHASE, PADMOUNT TRANSFORMER, METERING INSTALLATION SERVING MULTIPLE CUSTOMERS FROM A COMMON SERVICE LATERAL

## A. GENERAL NOTES:

- Conductors, conduit, conduit straps, lock nuts, bushings, connectors, and miscellaneous mounting hardware furnished and installed by customer.
- Meter sockets furnished (normally) by Company and installed by customer.
- Conductors to be sized and installed as required by current NEC requirements.
- Placement of meter socket in alley ways or area where meter is subject to damage shall require advance approval of a qualified employee.

## B. MOUNTING:

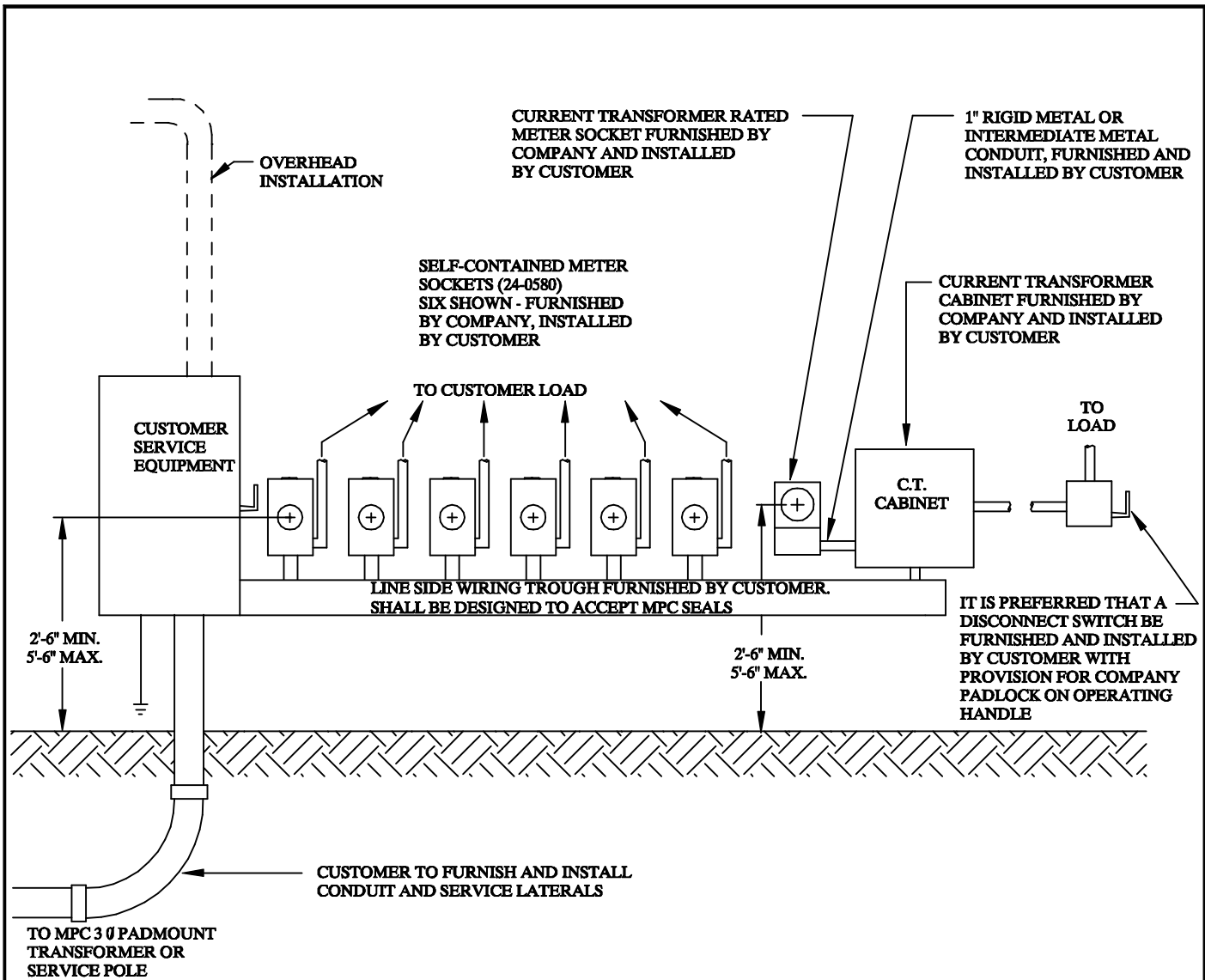
- Meter sockets, cabinets, trough and conduits shall be surface mounted.
- Meter socket, instrument transformer cabinet and conduit straps shall be fastened to building using lead anchors (brick or solid masonry), toggle bolts (other masonry siding), or wood screws (studs, solid lumber). All screws and bolts shall be minimum #12 corrosion resistant. A minimum of four (4) fasteners shall be used to mount socket and cabinet.
- Conduit ends shall be equipped with a proper bushing to protect conductors.

## C. CONNECTIONS:

- Customer shall apply a non-grit type corrosion inhibitor to connections and terminate them by torquing to manufacturer's specifications located in the enclosure. **Do not over-torque!**
- All instrument transformer metering connections shall be made by Company.


## D. MARKING:

- Each socket position and the corresponding building unit served (suite, apartment or office) shall be accurately, clearly and permanently labeled before meters are installed.
- Each meter socket position shall be labeled on both the inside and outside surfaces.
- Letters and/or numbers shall be minimum 1" in height of contrasting color.



**NOTE:**

1. METER SOCKET MOUNTED OUTDOORS EXCEPT WHERE SPECIAL PERMISSION OBTAINED FROM QUALIFIED EMPLOYEE OF COMPANY.
2. COMPANY TO MAKE ALL SERVICE LATERAL CONNECTIONS AT POLE OR PADMOUNT TRANSFORMER AND ALL METERING CONTROL CABLE CONNECTIONS IN METER SOCKET AND C.T. CABINET. CUSTOMER TO MAKE ALL CONNECTIONS IN WIRE TROUGH.
3. CONDUCTOR CARRYING METERED AND UNMETERED ENERGY SHALL NOT BE ALLOWED IN SAME WIRING TROUGH OR CONDUIT.

 <p><b>Mississippi Power</b> <i>the southern electric system</i></p>	DISTRIBUTION SPECIFICATIONS ©		
	SUBJECT <u>UNDERGROUND INSTALLATION</u>		
	DETAIL <u>SERVING MULTIPLE CUSTOMERS</u>		
Date <u>10/13/95</u>	Plate <u>83</u>	File <u>MS0024</u>	

# **TYPICAL THREE PHASE, PADMOUNT TRANSFORMER, METERING INSTALLATION SERVING MULTIPLE CUSTOMERS FROM A SINGLE PADMOUNT TRANSFORMER**

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## **A. GENERAL NOTES:**

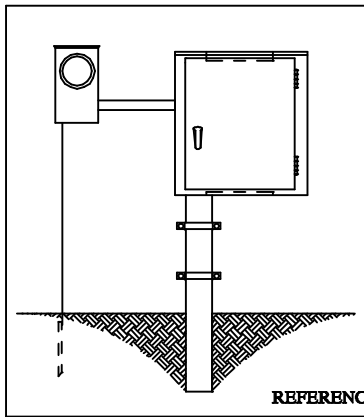
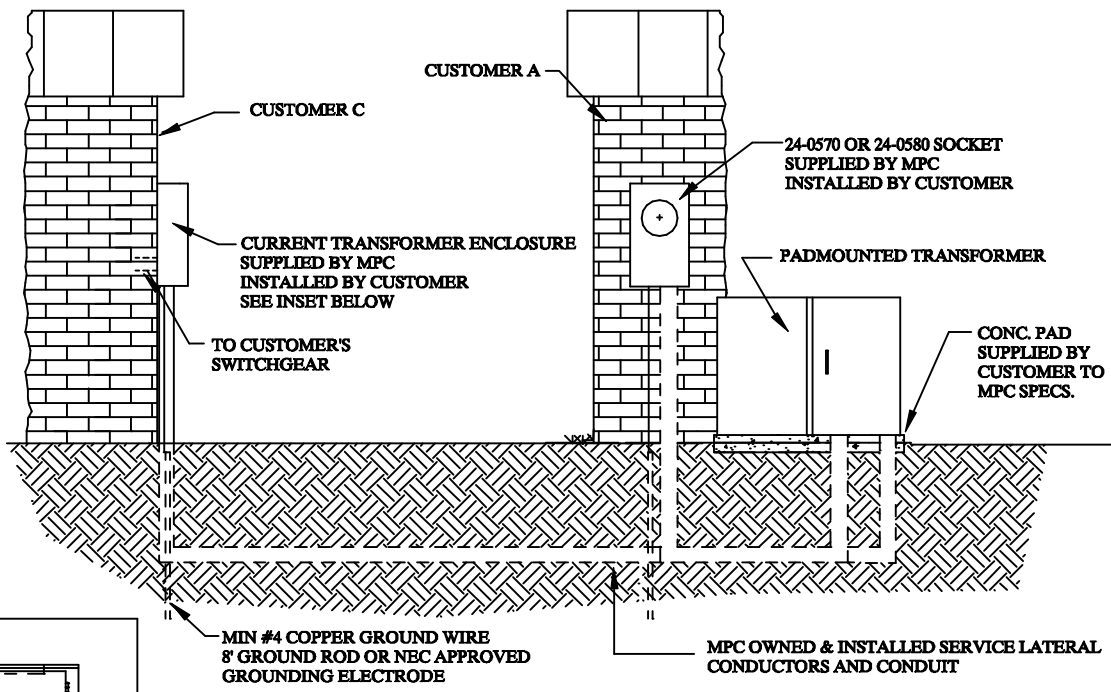
- Conductors, conduit, conduit straps, lock nuts, bushings, connectors, and miscellaneous mounting hardware furnished and installed by customer. These items will general include, but not limited to, all hardware at the meter socket and inward to the customer's switchgear.
- Meter sockets and current transformer enclosure furnished (normally) by Company and installed by customer.
- Placement of meter socket in alley ways or area where meter is subject to damage shall require advance approval of a qualified employee.

## **B. MOUNTING:**

- Padmount transformer orientation should be approved by Company prior to installation of concrete pad. Padmount location shall be approved by a qualified MPC employee prior to installation. The location should allow reasonable natural air flow to prevent transformer overheating.
- Meter sockets, cabinets, and conduits shall be surfaced mounted by the customer.
- Meter socket, instrument transformer cabinet and conduit straps shall be fastened to building using lead anchors (brick or solid masonry), toggle bolts (other masonry siding), or wood screws (studs, solid lumber). All screws and bolts shall be minimum #12 corrosion resistant. A minimum of four (4) fasteners shall be used to mount socket and cabinets.
- Conduit ends shall be equipped with a proper bushing to protect conductors.

## **C. CONNECTIONS:**

- Customer shall apply a non-grit type corrosion inhibitor to connections and terminate them by torquing to manufacturer's specifications located in the enclosure. **Do not over-torque!**
- All instrument transformer metering will be furnished by Company. Connections shall be made by Company with customer providing a minimum of two (2) feet conductor extending from front of enclosure.



REFERENCE DRAWING ON PAGE 55

