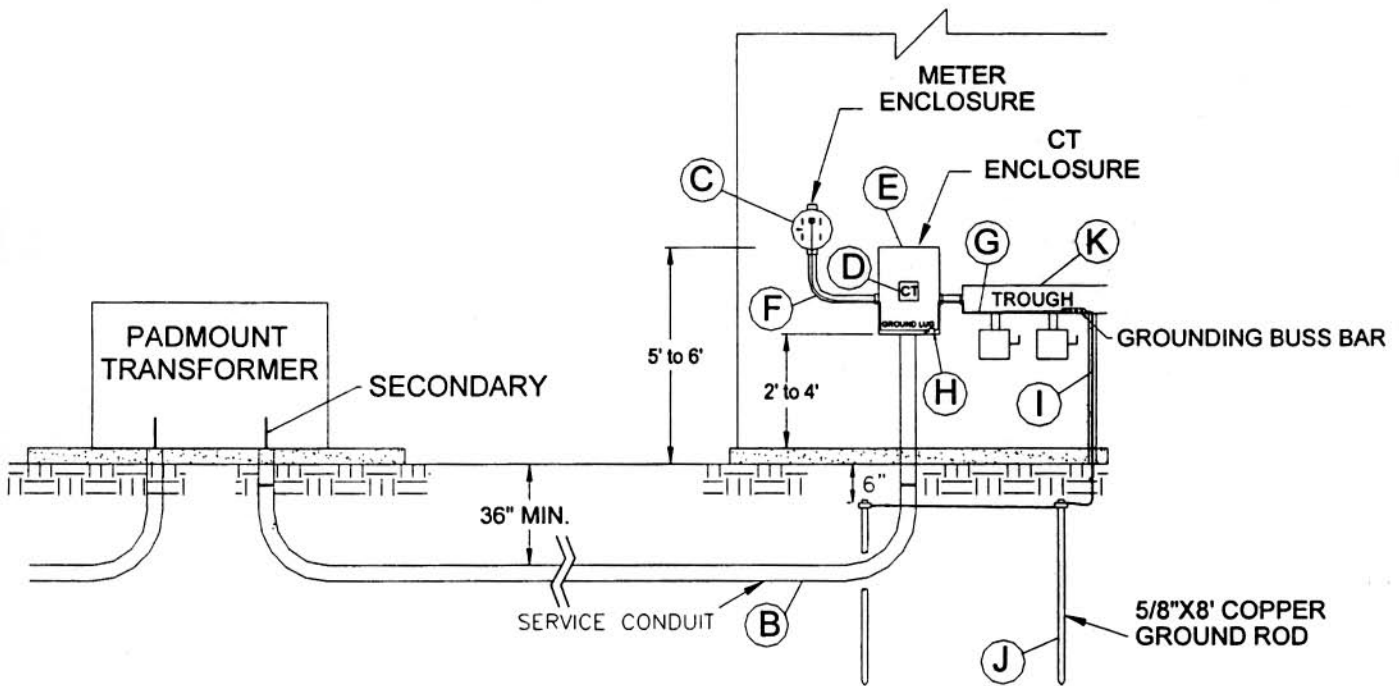
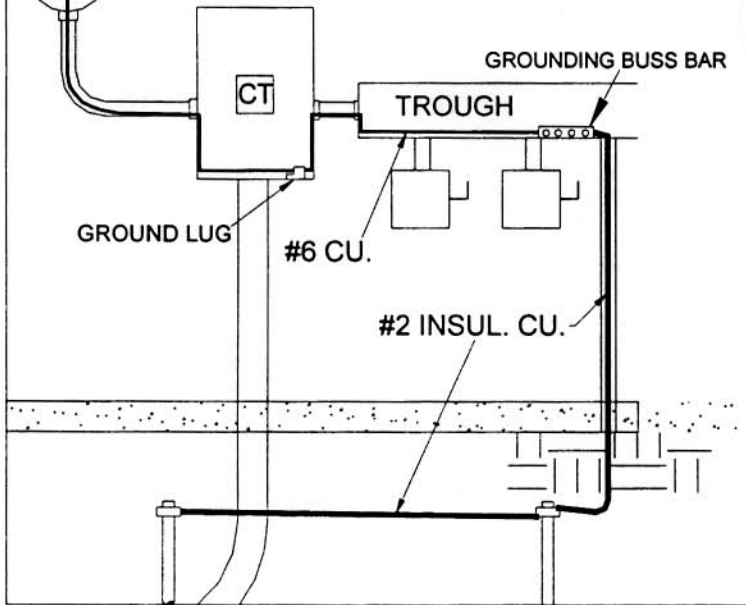


DESIGN PARAMETERS	<p>SLEMCO</p> <p>CURRENT TRANSFORMER METERING SCHEME FROM OVERHEAD SOURCE SINGLE-PHASE RESIDENTIAL</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">APPROVED</td> <td style="width: 50%; padding: 2px;">DATE</td> </tr> <tr> <td style="width: 50%; text-align: center; padding: 5px;"><i>[Signature]</i></td> <td style="width: 50%; text-align: center; padding: 5px;">2-1-07</td> </tr> </table>	APPROVED	DATE	<i>[Signature]</i>	2-1-07
APPROVED	DATE					
<i>[Signature]</i>	2-1-07					
R:\SPECS\RATE&POL\CT_1PH_MTR_SPEC.XLS	Revised & Printed: 01/29/2007	PAGE NO.				

Grounding Detail



DESIGN PARAMETERS



CURRENT TRANSFORMER METERING
 SCHEME FROM UNDERGROUND SOURCE
 SINGLE-PHASE RESIDENTIAL

APPROVED
[Signature]

DATE
 2-1-07

CT Metering
1 Phase Residential
Pad and Pole Type Connections

- A. Secondary cable furnished and installed by SLEMCO. Termination of cables must be made in wire trough or main disconnect panel by customer.
- B. Secondary conduit furnished and installed by customer as designated by SLEMCO. Conduit risers must be Schedule 80 PVC or steel pipe.
- C. Meter socket furnished by SLEMCO and installed by customer. Must be mounted between 5 ft. and 6 ft. in height. Socket cannot be mounted to the siding of a metal building unless additional support is used behind the socket. The top hole of socket must be plugged with 1 in. plug.
- D. Current transformer (CT) furnished by SLEMCO. Must be mounted to back of CT enclosure by customer.
- E. CT enclosure is to be supplied by customer and must be a minimum of 24 in. x 24 in. x 10 in. Enclosure must have a way to secure the door with a SLEMCO padlock. When installed, CT enclosure should be at a height of 2 to 4 feet from the ground to the bottom of the CT enclosure.
- F. Conduit from CT enclosure to meter socket is to be 1 in. Schedule 40 PVC elbow. **LBs and flex conduit cannot be used.**
- G. Ground wire will be a minimum of a continuous #6 soft drawn copper or #6 insulated copper and will run from meter socket to CT enclosure to a grounding buss bar inside of the trough.
- H. Ground lug will be installed by customer to CT enclosure and must be attached with a nut and bolt.
- I. Main ground wire should be #2 insulated copper, should run continuous from grounding buss to ground rod and should be installed in 1/2 in. conduit.
- J. Ground rods, minimum of (2) 5/8 in. x 8 ft. copper weld or equal, furnished and installed by customer. Must have one ground rod per every 200 amps of service. Ground rods should be installed 6 ft. apart.
- K. Wire trough and main disconnect shall be installed by customer and all terminations will be made in trough or to main disconnect by customer. **No connections are made in CT enclosure.**

NOTES:

1. G and H above are minimum requirements by SLEMCO: additional grounding may be required by N.E.C. or by local authorities of inspection.
2. Variations of this design will be considered equal as long as National Electrical Code are met.
3. Inspection: if a governing authority requires an inspection, tag must be in place and marked approved before SLEMCO will connect service.
4. Prior to secondary service connection and meter installation, a SLEMCO serviceman must inspect the total job for readiness. When ready for this inspection, call SLEMCO's Service Center at 337-896-5551 and advise.
5. A maximum of three 90 degree turns are allowed in the primary conduit without requiring a pull box.
6. See Page 5, Item F, for requirements on 90 degree turns.
- 6a. See Page 5.2, Item 9, for requirements on 90 degree turns when installing a padmount transformer.
7. SLEMCO does not allow the meter enclosure to be mounted on the side of the padmounted transformer; if it is not mounted with the service equipment, it should be mounted on a stand or rack adjacent to the transformer as per SLEMCO specifications.