# SERVICE ENTRANCE - UNDERGROUND

Transformer Rated

480 V. Mac., 2000 A. Max.



**USE:** Typical arrangement of service equipment to supply electric energy where instrument transformer rated underground meter installations are required.

| PREVIOUS REVISION | ORIGINATED | PREVIOUS NUMBER |
|---|---|---|
| 03-17-94 | 03-94 | ER 1-250-A, 03-28-90 |

**LATEST REVISION:** Added instrument transformer cabinet position height, ground rod and ground wire clearances, updated figure, and general revisions to rest of standard.

**SPECIFICATION:**

**1. GENERAL:**

1.1 All equipment, except the transformer rated meter socket, instrument transformers, and wiring between the instrument transformers and the transformer rated meter socket, shall be owned, installed, and maintained by the customer.

1.2 The electrical equipment shall be installed in a neat and workmanlike manner per the National Electric Code.

1.3 The service installation shall be in accordance with the National Electrical Code, as well as the rules and requirements of any recognized legal inspection service in effect in the community, and be satisfactory to the Company.

1.4 The service installation shall be adequately grounded in accordance with the National Electrical Code, and ground rods and ground wires shall be installed a minimum of 2 feet (24 inches) away from the riser pipe to permit the installation and maintenance of service cables.

1.5 The Customer shall provide identification satisfactory to the Company so that the location of each meter with respect to the location being serviced is easily determined.

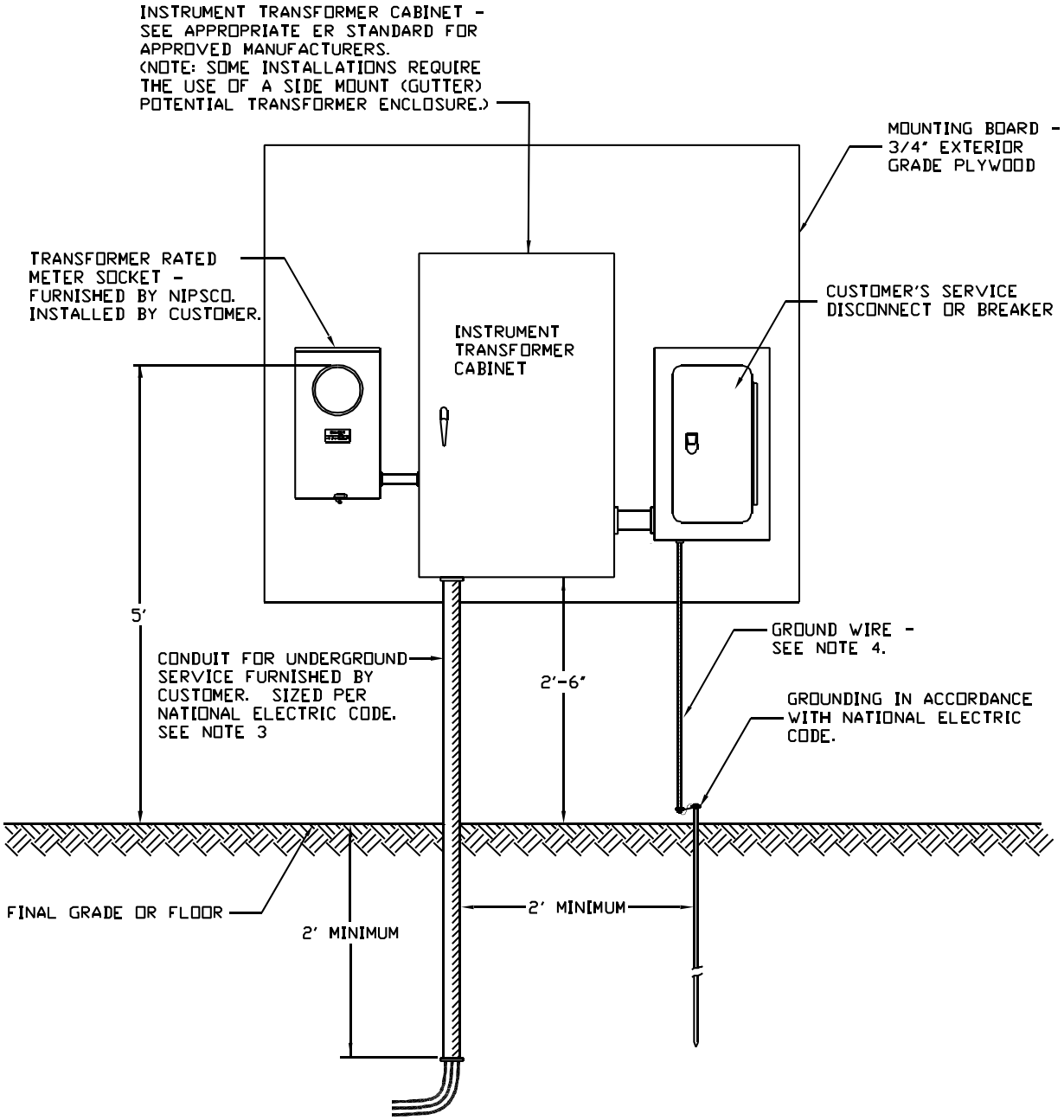
1.6 The meter position height, as measured from the top of the meter at the transformer rated meter socket to the final grade (floor) level, shall be 5 feet.

1.7 The instrument transformer cabinet position height, as measured from the bottom of the instrument transformer cabinet to the final grade (floor) level, shall be 2 feet 6 inches (30 inches).

# SERVICE ENTRANCE - UNDERGROUND

Transformer Rated

480 V. Mac., 2000 A. Max.



# SERVICE ENTRANCE - UNDERGROUND

Transformer Rated

480 V. Mac., 2000 A. Max.

**NOTES:**

1. The service disconnect means shall be installed at a readily accessible location nearest the point of entrance of the service entrance conductors.
2. A clearance of three (3) feet shall be maintained in front of metering equipment.
3. The customer shall check with the local District Engineering Department for conduit size required for the underground service entrance conductors. This conduit is furnished by the customer and shall extend a minimum of two (2) feet below final grade.
4. The customer's ground wire shall not originate in or pass through the transformer rated meter socket.
5. The conduit installed between the transformer rated meter socket and instrument transformer cabinet shall be 1-1/2" minimum. The transformer rated meter socket and instrument transformer cabinet shall be effectively bonded per the National Electrical Code. Bonding jumpers shall be used around concentric knockouts.