

# Service Pedestal

## 1 Scope

This material specification states the minimum requirements for a service pedestal to be used for providing 120/240-volt service. A service pedestal is for use in areas using underground electrical service.

## 2 Applicable Documents

The latest revisions of the following documents in effect on the date of invitation to bid apply to the extent specified herein.

National Electrical Code:

Article 210, *Branch Circuits*

Article 240, *Overcurrent Protection*

Article 250, *Grounding*

Article 310, *Conductors for General Wiring*

## 3 Definitions

The following definitions pertain to this specification:

**NEMA** — National Electrical Manufacturers Association

**PacifiCorp** — PacifiCorp doing business as Pacific Power and Utah Power

## 4 Design and Manufacturing Requirements

A service pedestal is a metal enclosure providing a termination point for underground secondary conductors, a 125/250-volt breaker, a 120-volt circuit breaker, and a meter base. Figure 1 illustrates a typical service pedestal with approximate dimensions.

### 4.1 Enclosure

The enclosure shall be a NEMA 3R weatherproof cabinet, manufactured from zinc-coated G-90 or A-60 grade steel, and painted.

Tamper-proof screws shall be used, and a hasp shall be provided for locking with a 1/4" shank padlock.

The internal fastening device shall not extend more than 1/8" beyond the outside wall of the enclosure and shall be sufficiently smooth to prevent personal injury or damage to clothing.

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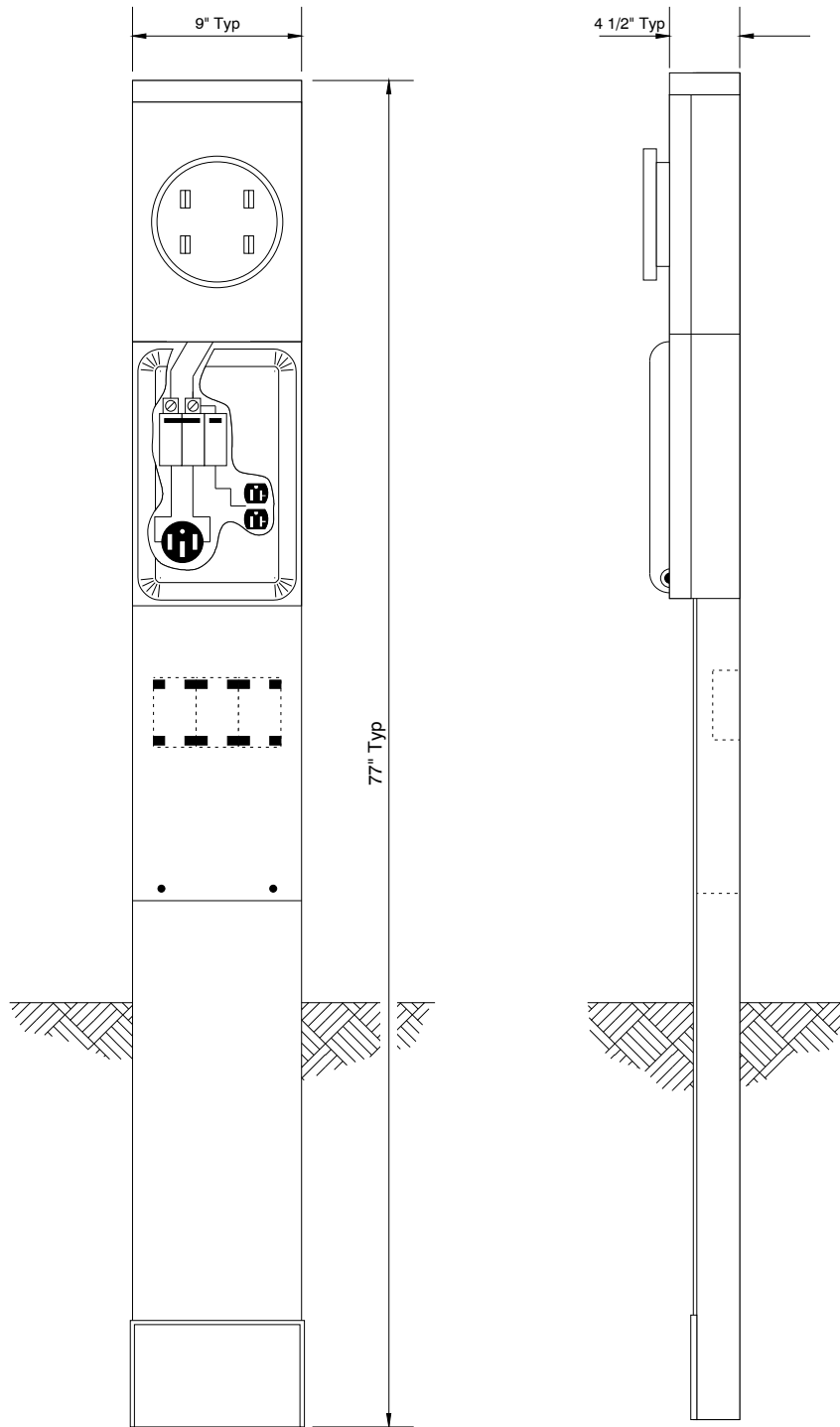


Figure 1 – Typical Service Pedestal



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**4.2 Circuit Breakers and Disconnect Switches**

The 125-amp-rated pedestal (SI# 4230310) shall contain a 250-volt, 125-amp rated two-pole main breaker, and a 125-volt single-pole 20-ampere breaker in series with the main breaker. The 200-amp-rated pedestal (SI# 7991221) shall contain a 250-volt two-pole main breaker rated to 200 amps, and a 125-volt single-pole 20-ampere breaker in series with the main breaker. The compartment for the breakers and disconnect switches shall be lockable. The interrupting rating of the breakers shall be 10,000 amperes.

**4.3 Meter Base**

The assembly for SI# 4230310 shall contain a 100-ampere meter socket complete with a neutral connection as approved by PacifiCorp. The assembly for SI# 7991221 shall contain a 200-ampere meter socket complete with a neutral connection as approved by PacifiCorp.

**4.4 Wire and Wiring**

The metal case shall be bonded to the grounding bus.

There shall be a spare terminal on the grounding bus to allow for a number 6 copper grounding conductor to be connected.

**4.5 Assembly**

The unit shall be completely assembled before delivery to PacifiCorp.

**5 Issuing Department**

The Engineering Documentation Department of PacifiCorp is responsible for issuing this Material Specification. Comments and suggestions are welcome. Submit comments or requests for copies of this document to:

PacifiCorp Engineering Documentation  
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Technical questions regarding this material specification may be submitted to:

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