

**CITY OF AUSTIN ELECTRIC UTILITY DEPARTMENT**

**EQUIPMENT SPECIFICATION**

**FOR**

**METERING EQUIPMENT, PEDESTAL MODULE**

<b>DATE</b>	<b>PREPARED BY</b>	<b>ISSUANCE/REVISION</b>	<b>APPROVAL PROCESS MANAGER/STANDARDS SUPV.</b>
1/13/06	Carlos Tello	Issuance	Herman Millican / Ted Schoenberg

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<i>Reason for Revision</i>	<i>Affected Paragraphs</i>

This specification, until revised or rescinded, shall apply to each future purchase and contract for the commodity described herein.  
Retain for future reference.

**CITY OF AUSTIN ELECTRIC UTILITY DEPARTMENT  
EQUIPMENT SPECIFICATION  
FOR  
PEDESTAL MODULE METERING EQUIPMENT**

**1.0 SCOPE AND CLASSIFICATION**

**1.1 Scope**

The City of Austin Electric Utility Department is hereinafter referred to as Austin Energy (AE). This specification establishes the minimum requirements for pedestal metering equipment.

**1.2 Classification**

No deviation from these specifications shall be allowed. Any item supplied under these specifications, which is not in complete compliance with these specifications, will not be accepted.

**2.0 APPLICABLE SPECIFICATIONS**

(Latest version of the following shall apply)

- 2.1 ANSI C12.7: Watthour Meter Sockets
- 2.2 AE's concrete pad drawing 1438-95.
- 2.3 AE's concrete pad drawing 1438-96.
- 2.4 AE's Design Criteria manual.

**3.0 FUNCTIONAL REQUIREMENTS**

- 3.1 Module ampere rating to be either 150 amps or 200 amps.
- 3.2 Each module shall be configured to have one pedestal with one to four meter sockets mounted on the pedestal.
- 3.3 All meter sockets shall comply with ANSI C12.7 requirements.
- 3.4 Meter opening height shall comply with current Austin Energy's Design Criteria Manual.

**4.0 PERFORMANCE REQUIREMENTS**

- 4.1 Each module shall be configured for single-phase or three-phase network self-contained service at 120/240 Vac or 120/208 Vac.
- 4.2 For five terminal sockets the fifth jaw shall be factory installed. (Fifth jaw kit is unacceptable.)
- 4.3 Each module shall be arranged to accept standard meter test jacks for testing of the meter when needed.

**5.0 MATERIAL REQUIREMENTS**

- 5.1 The meter module shall be a single unit with factory-wired socket(s), configured with provisions for a main breaker below each corresponding meter position.
- 5.2 Module shall be designed to protect personnel against accidental contact with the electrical devices. Guard against unauthorized use of electric service and cannot be opened without either breaking the seal or visibly damaging the module.

- 5.3 Pedestal shall be a minimum of G90 galvanized steel. All edges shall be smooth after forming. Pedestal shall be painted after fabrication. Finish coat shall be minimum of 2 mils thickness and provide a tough, non-chalking weather resistant finish. The pedestal shall be rated Type 3R. Access to internal conductor connections shall be from the front and top.
- 5.4 The socket shall be fabricated of 16 gauge galvanized steel, or 14 gauge aluminum with baked on gray finish with the letters "ALP" indented on the external side of the enclosure with ¼ inch minimum size letters.
- 5.2 Each meter socket shall have individual ringless cover with separate cover for main breaker section that can be secured with a padlock and is removable with any watt-hour meter sealed in place.
- 5.3 Knockouts shall be located in the bottom of all sockets. The knockout arrangement for the socket shall be as follows:
  - 5.3.1 On the bottom of the socket shall be one, 2", knockout at the center with a 1" knockout on either side.
  - 5.3.2 One 1/4" knockout for ground wire on the bottom of the socket.
  - 5.3.3 One, 2", knockout at the center of the top of the back of the socket.
  - 5.3.4 One 2", knockout at the bottom of each side of socket.
- 5.4 All unmetereed current carrying parts shall be barriered and sealable.
- 5.5 All components shall be factory assembled.
- 5.6 All wiring must be complete from main lugs to meter sockets and to circuit breaker's position.
- 5.7 Module shall have factory-installed equipment ground per socket and provision for pedestal to be foundational mountable on concrete pad as specified by AE's drawing numbers 1438-95 and 1438-96.
- 5.8 Module shall be rated for outdoor application.

## 6.0 SAMPLES, INSPECTION AND TEST REQUIREMENTS

- 6.1 The Vendor shall provide the Austin Energy Metering Operations Section at the beginning of each year in the month of January, drawings for all applicable meter sockets regardless of whether revisions have been made to the drawings. Failure to provide these drawings will result in the rejection of the Vendor from the Qualified Products List (QPL).
- 6.2 The Vendor shall provide revised drawings to the Austin Energy Metering Operations Section as soon as the drawings are revised.