

Effective Date: March 1, 2008

Metering Detail from the Xcel Energy Standards Manual (Blue Book)

METER SOCKETS

Self-Contained 200 Amp and 320 Amp Meter Sockets

Purchasing, installing, connecting, and maintaining self-contained meter sockets shall be the responsibility of the customer. All meter sockets shall be UL listed and labeled, used in accordance with their labeling, installed per the 2005 *NEC*®, or as may be amended, and meet any code requirements that may be enforced by the local Public Authority.

All single and multiple position meter sockets installed on the Company's system shall meet the Company's standards for these devices as listed below. Company Electric Meter Personnel are instructed not to install a meter at a location where the meter socket does not comply with **all criteria listed below**. Meter sockets will be considered un-approved unless they adhere to this criteria.

Meters will not be installed unless all criteria for meter socket specifications outlined below are met:

- 1) Individual meter sockets shall be constructed from steel in accordance with Underwriters Laboratories (UL) Standard No. 414 revised March 24, 1999, or as may be amended. Sockets constructed from aluminum or nonmetallic materials are not allowed.
- 2) Individual meter sockets, excluding side-wired type, which are bussed on the line side of the meter, used in underground installations shall have the following minimum dimensions:
 - a) 200 amp – 19" height x 13" width.
 - b) 320 amp – 26 ½" height x 13" width.
- 3) Temporary cover plates for meter sockets shall be constructed from a non-metallic material.
- 4) Single-phase and three-phase meter sockets shall be rated for either 200 or 320 amp continuous duty and shall be equipped with an approved lever-actuated locking-jaw bypass constructed such that the bypass lever cannot be in the bypass position with the socket cover installed. The bypass handle shall be located on the right side of the meter block when facing the meter block. The only approved bypasses are the Landis & Gyr HQ, Square D, Milbank HD (**Heavy Duty**) and Eaton MSL (**Meter Socket Lever Bypass**).

METER MOUNTING HEIGHTS

The mounting heights of meters, measured from the center of the meter to final grade or platform outdoors, or to the floor when installed indoors, are as follows:

- 1) Single meter sockets:
 - a) Self-contained or transformer-rated ----- 4' minimum to 6' maximum
 - b) Meter pedestals ----- 4' minimum to 6' maximum

Additional meter socket requirements are available at <http://www.xcelenergy.com>.