

**GENERAL:**

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This standard covers the general description and requirements for the design and installation of medium voltage systems on the University of Missouri – Columbia campus. Refer to construction standards for individual parts of the system which shall be followed.

**DESIGN GUIDELINES:**

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All medium voltage circuit extensions and upgrades shall be of underground design with red concrete encased duct banks and concrete manholes large enough for personnel entry to construct and repair cable systems. Other than cables, no medium voltage equipment shall be installed in manholes.

All electric energy use will be metered. A typical installation would include looped, padmounted switchgear with a protected feed to a padmounted building transformer. No dry type, medium voltage transformers shall be installed. Usual construction will have the duct banks, equipment pads, and transformer provided by a contractor. The medium voltage switchgear and medium voltage cabling is normally provided and installed by the University.

**REFERENCES**