The following information shall be included in specifications prepared for use on all University of Cincinnati construction and renovation projects. This information is supplemental and not intended to be a complete specification.

**GENERAL STANDARDS**

**General Criteria**

**Maintenance Receptacles** - Provide 120-V receptacles in janitor closets, toilet rooms, corridors, tunnels, and other special-purpose spaces for maintenance use. In corridors, receptacles for cleaning shall be provided at spacing not to exceed 50 linear feet, near hallway intersections and rear entry vestibules. Circuits shall be separate from office and lab circuits.

**Over current Devices** - In general, each circuit’s overcurrent device should be on the same floor as the outlets.

**Emergency Receptacles** - Provide at least one 120-V emergency receptacle in mechanical, electrical, and communications rooms, connected to the building standby emergency panel.

**GFCI Receptacles** - Provide ground fault circuit interrupter (GFCI) receptacles as dictated by good engineering practice. Use master/slave arrangement. Reset must be accessible by users.

**Equipment Receptacles** - Receptacles that serve electronic equipment such as PCs, fax machines, and communication equipment shall have surge suppression type.

**Design Evaluation**
The following information is required to evaluate the design:

- **Schematic Design Phase**
  Description of overall design concept for wiring device requirements
  Special requirements such as hospitals, laboratories, etc.
  Outline specifications

- **Design Development Phase**
  Preliminary plans showing device locations
  Draft specifications

- **Construction Documents Phase**
  Completed drawings showing layout and circuiting information
  Details for special applications when required
  Complete specifications
PRODUCT STANDARDS

Product Requirements
Receptacle Type - Generally, use specification-grade self-grounding devices. Use hospital-grade receptacles and attachment plugs for health care facilities and laboratories. AC only “quiet” type switches, 20-ampere rating, self-grounding. Ivory color for normal power, red for emergency. Interchangeable type devices may be used only for special applications when approved by University of Cincinnati Construction Management.

Other Devices - Use neon or low-voltage transformer-base pilot lights for long life and ruggedness. Device plates shall be stainless steel in finished areas, galvanized or cast to suit boxes in areas where exposed wiring is permitted.

EXECUTION STANDARDS

Construction & Installation
Use hard ground pigtails. Do not rely on a device’s self-grounding feature.