

**GENERAL:**

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The scope of this document is to provide requirements for wiring devices.

**DESIGN GUIDELINES:**

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1. All receptacles and switches will have a minimum rating of 20 amps and will be commercial specification grade. A standard of quality for switches is Leviton and for receptacles is Hubbell or Leviton .
2. Preferred color for receptacles and switches is ivory. Other colors may be used to match existing devices or for special uses.
3. In areas required to have ground fault interrupting capability, GFI receptacles shall be used in lieu of GFI breakers, unless approved by the Director of Facilities Planning & Development (AHJ).
4. Designer will evaluate the need for steel, nylon or other special types of covers, depending on the usage of the area.
5. The preferred mounting heights, above finished floor, are 48" for switches, and 18" for receptacles.
6. Each restroom shall have a minimum of one receptacle and it shall be a GFCI receptacle.
7. All wire connections, with the exception of screw terminals, shall be wire nut or lever secured wire splicing connector and shall be suitable for copper wire. Wire nuts and splicing connectors shall be UL468c and UL 467 listed.
  - 7.1. Lever secured wire splicing connectors shall be Wago 221 or 222 or equivalent. Use of splicing connectors are only allowed for circuits not exceeding 20A, solid or stranded copper wire and for general lighting and receptacle power applications.
  - 7.2. Spring secured push connectors are not allowed.
  - 7.3. Exception: MUHC patient care areas shall be screw terminals or wire nut only.
8. For LEED certified projects, 50% of all 125-volt receptacle outlets in private offices, open offices and computer classrooms shall be automatically switched off when the space in which they are located is not occupied. This energy saving method is a mandatory requirement for LEED certification.
9. For projects not involving LEED, the AHJ has taken exception to the ASHRAE 90.1 provision for automatic receptacle control.