

260570 WIRING DEVICES

Part 1 – GENERAL

1.1 Description

A. This section details the guidelines and expectations for the design and use of wiring devices on Johns Hopkins University Homewood Campus. Project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification and approval from the JHFRE Engineering and Energy Department, it is expected that these guidelines will govern the design and specifications.

1.2 Submittals

N/A

1.3 Quality Assurance

A. All work must meet NEC standards and materials must be UL Listed.

1.4 Delivery and storage

A. Material deliveries and storage areas to be approved by Owner.

B. Material storage to comply with manufacturer's recommendations.

Part 2 – PRODUCTS

2.1 Switches shall be rated 20 amperes, 120-277 volts, 60 hertz. AC switches shall be heavy-duty, specification-grade, quiet-operation and maintained-contact type that comply with the requirements of NEMA WD 1.

2.2 Duplex receptacles shall be rated 20 amperes, NEMA 5-20.

Part 3 – EXECUTION

3.1 Ground fault circuit interrupter (GFCI) outlets or breakers are required on all power outlets within 6' of water sources.

3.2 Receptacles on generator power shall be red.

3.3 Receptacles controlled by occupancy sensors shall be green.

3.4 Receptacles on UPS power shall be blue.

- 3.5 Ground each receptacle by means of a separate code sized conductor connecting the receptacle ground terminal to the branch circuit panelboard ground bus. Do not rely on the conduit system for grounding.
- 3.6 All receptacles and fixed equipment shall have a permanent label indicating circuit and panel number.
- 3.7 Receptacles shall be provided in all corridors every 50' on center and no further than 25' from the end of the corridor. The branch circuit shall be dedicated to corridor outlets only.
- 3.8 Receptacles shall be provided on each stairway landing and at all exterior doors. Exterior receptacles shall be GFCI in weatherproof enclosures.
- 3.9 All wiring devices, relays, contactors, pushbuttons, selector switches and pilot lights shall be installed in approved enclosures rated for the appropriate NEMA-classified environment.