1 Switches and Receptacles

1.1 General

1.1.1 "Interchangeable" type devices are not acceptable.

1.1.2 All devices shall be Ivory in color, except for special purposes

- Orange for isolated ground
- Blue for surge devices
- Red for emergency power.
- Gray for controlled/switched power per ASHRAE

1.1.3 Install all receptacles with the “U” ground down.

1.1.4 All wiring devices (receptacles, switches, etc.) shall be specification grade, “extra heavy duty industrial” type or the heavy duty commercial type when industrial type is not offered.

1.1.5 All wiring devices terminations must be “tailed-out” and “side wired”.

1.1.6 All receptacles to have one piece brass mounting strap.

1.1.7 USB type receptacles are not permitted.

1.2 Approved Manufacturers:

- Hubbell
- Leviton
- P&S

2 Special Markings

2.1 Special purpose receptacles shall be marked. This includes, but is not limited to, Weather Resistant and automatic controlled.

3 Outlet Boxes

3.1 General

3.1.1 Every switch, light, wall receptacle, telephone outlet, data plug, etc. shall be provided with an outlet box

3.1.2 “Through” and “Handy boxes” are not acceptable

3.1.3 Boxes installed “Back to Back” or within 12 inch center to center, penetrating opposite sides of wall construction and installed in a fire resistive and/or fire rated wall shall not be permitted.

3.2 Sizing

3.2.1 All boxes shall be sized in accordance with NEC rules

3.2.2 Four inch square by 2 ¼” deep for two or more conduits or devices

3.2.3 Four inch octagon or square boxes for fixture outlets

3.2.4 Three by two inch conduit switch box 2½” deep for single conduit (dead end)

3.2.5 Raco #503 or approved equal in drywall

3.2.6 Raco #690 or approved equal in masonry

3.3 Approved Manufacturers

- Appleton
- Raco
- Steel City

4 Poke-thru Devices

4.1 General

4.1.1 Fire rated poke-thru devices for power, data, and A/V to vary on size depending on utilities needed

- 4” poke-thru for power only
- 6” poke-thru for power only or power and data
- 8” poke-thru for power and data or power, data, and A/V

4.1.2 Coordinate design requirements with ITaP and Purdue A/V

4.2 Approved Manufacturers

- Wiremold/Legrand “Evolution” series
- Hubbell “SystemOne” series

5 Floor boxes

5.1 General

5.1.1 Coordinate design requirements with ITaP and Purdue A/V

5.2 Approved Manufacturers

- Wiremold/Legrand “Evolution” series
- Hubbell “SystemOne” series