



Division 262726

Wiring Devices

DESIGN GUIDE

1 General

1.1 Introduction

- A. This section applies to the following
 - 1. Wall switches
 - 2. Receptacles
 - 3. Device plates
 - 4. Cord reels

1.2 Design Considerations

- A. Private Offices
 - 1. Provide (1) dedicated receptacle circuit per private office.
 - 2. Locate (1) quad receptacle on each private office wall.
- B. Controlled Receptacles
 - 1. The use of occupancy controlled receptacles shall be limited to code required areas.



2 Materials

2.1 Wiring Devices

- A. Wiring devices shall be of the same manufacturer to the extent possible for each project. Devices shall be specification grade, rated minimum 20 amperes. Receptacles shall be grounding type.
- B. Devices shall be side wired only.
- C. Outlets shall be tamper-resistant type where required by the NEC.
- D. Outlets shall be controlled by occupancy where required by the energy code. CWU preference is for half controlled duplex outlets. The constant power half of the outlet shall be on the top and the controlled half on the bottom.
- E. Device colors shall be as selected by the Architect.

2.2 Device Plates

- A. Generally, devices and blanked outlet boxes shall have stainless steel plates. Stainless steel plates shall be 0.04 inch thick with #302 satin finish. Where required by the Architect, colored plastic faceplates shall be provided for devices.
- B. All device plates for outlets and manual motor switches shall be identified with its corresponding panel and circuit designation. Nylon labels shall be clear with black lettering for stainless device plates.

2.3 Cord Reels

- A. Cord reels shall be minimum #12 AWG Type SO cord and NEMA 5-20 outlet assembly.
- B. Cord reels with Type SO cord greater than 50 feet in length shall be #10 AWG.



3 Execution

3.1 Installation

- A. Provide wiring pigtails for connection of all receptacles and line voltage switches. Pigtails are not required for the last device in a single branch circuit run.
- B. Wiring shall be connected to the screw compression plate on wiring devices. Stab in connections are not allowed.
- C. Provide dedicated neutrals for all branch wiring circuits.
- D. Where receptacles are controlled based on occupancy, provide half switched receptacles with the switched outlet on the bottom. Controlled receptacles shall have a factory marking for the switched outlet.

4 Appendix

4.1 Reserved for future.

