

**Part 1 General****1.1 RELATED SECTIONS**

- .1 Section 26 05 00 - Common Work Results for Electrical.
- .2 Section 26 05 32 - Outlet Boxes, Conduit Boxes and Fittings.

**1.2 REFERENCES**

- .1 Canadian Standards Association (CSA International)
  - .1 CSA-C22.2 No. 42-99 (R2004), General Use Receptacles, Attachment Plugs and Similar Devices.
  - .2 CSA-C22.2 No. 42.1-00 (R2004), Cover Plates for Flush-Mounted Wiring Devices (Bi-national standard, with UL 514D).
  - .3 CSA-C22.2 No.55- M1986 (R2008), Special Use Switches.
  - .4 CSA-C22.2 No.111-00 (R2005), General-Use Snap Switches (Bi-national standard, with UL 20), includes Updates No. 2 and No. 3 (2004), Update No. 4 (2008).

**1.3 SHOP DRAWINGS**

- .1 Submit shop drawings and product data in accordance with Section 01 00 10 – General Instructions.

**1.4 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate and recycle waste materials in accordance with Section 01 00 10 – General Instructions.
- .2 Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal all packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Divert unused metal and wiring materials from landfill to metal recycling facility as approved by Departmental Representative.
- .5 Fold up metal banding, flatten and place in designated area for recycling.

**Part 2 Products****2.1 SWITCHES**

- .1 15 A, 120 V, single pole, three-way, switches to: CSA-C22.2 No.55 and CSA-C22.2 No.111.
- .2 Manually-operated general purpose ac switches with following features:
  - .1 Terminal holes approved for No. 10 AWG wire.

- .2 Silver alloy contacts.
- .3 Urea or melamine moulding for parts subject to carbon tracking.
- .4 Suitable for back and side wiring.
- .5 Brown toggle.
- .3 Toggle operated fully rated for tungsten filament and fluorescent lamps, and up to 80% of rated capacity of motor loads.
- .4 Switches of one manufacturer throughout project.

## 2.2 RECEPTACLES

- .1 Duplex receptacles, CSA Type 5-15 R, 125 V, 15 A, U ground, with the following features:
  - .1 Brown nylon-moulded housing. Red colour for all emergency circuits, orange for work stations.
  - .2 Suitable for No.10 AWG for back and side wiring.
  - .3 Break-off links for use as split receptacles.
  - .4 Eight (8) back-wired entrances, four (4) side-wiring screws.
  - .5 Triple-wipe contacts and riveted grounding contacts (100% nickel plated).

## 2.2 COVER PLATES

- .1 Cover plates for wiring devices.
- .2 Cover plates from one manufacturer throughout the project.
- .3 Sheet metal cover plates for wiring devices mounted in surface-mounted FS or FD type conduit boxes.

## Part 3 Execution

### 3.1 INSTALLATION

- .1 Switches:
  - .1 Install single throw switches with handle in "UP" position when switch closed.
  - .2 Install switches in gang type outlet box when more than one switch is required in one location.
  - .3 Mount toggle switches at height in accordance with Section 26 05 00 - Common Work Results for Electrical as indicated.
- .2 Receptacles:
  - .1 Install receptacles in gang-type outlet box when more than one receptacle is required in one location.
  - .2 Mount receptacles at the height specified in Section 26 05 00 – Common Work Results for Electrical.

- .3 Cover plates:
  - .1 Protect the cover plate finish with paper or plastic film until painting and other work is finished.
  - .2 Install suitable common cover plates where wiring devices are grouped.
  - .3 Do not use cover plates meant for flush outlet boxes on surface-mounted boxes.

**END OF SECTION**