

## PART 1 - GENERAL

### 1.1 SECTION INCLUDES

- .1 Switches, receptacles, wiring devices, cover plates and their installation.

### 1.2 RELATED SECTIONS

- .1 Section 26 05 00 - Common Work Results - Electrical.

### 1.3 REFERENCES

- .1 Canadian Standards Association (CSA International)
  - .1 CSA-C22.2 No.42-99(R2002), General Use Receptacles, Attachment Plugs and Similar Devices.
  - .2 CSA-C22.2 No.42.1-00, Cover Plates for Flush-Mounted Wiring Devices (Bi-national standard, with UL 514D).
  - .3 CSA-C22.2 No.55-M1986(July 2001), Special Use Switches.
  - .4 CSA-C22.2 No.111-00, General-Use Snap Switches (Bi-national standard, with UL 20, twelfth edition).

### 1.4 SHOP DRAWINGS AND PRODUCT DATA

- .1 Submit shop drawings and product data.

## PART 2 - PRODUCTS

### 2.1 SWITCHES

- .1 15 A, 120 V, single pole, three-way or four-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 locking 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, to: CSA-C22.2 No.42 with following features:
  - .1 Brown urea moulded housing.
  - .2 Suitable for No. 10 AWG for back and side wiring.
  - .3 Break-off links for use as split receptacles.
  - .4 Eight back wired entrances, four side wiring screws.
  - .5 Triple wipe contacts and rivetted grounding contacts.

- .2 Other receptacles with ampacity and voltage as indicated.
  - .3 Receptacles of one manufacturer throughout project.
  - .4 Class "A" ground-fault protection, where indicated.
  - .5 Standard of Acceptance:
    - .1 Receptacle type 1: CSA config. 5-15R duplex.
    - .2 Receptacle type 2: CSA config. 5-15R duplex with class "A" ground fault protection.
- 2.3 COVER PLATES
- .1 Cover plates for wiring devices to: CSA-C22.2 No.42.1.
  - .2 Cover plates from one manufacturer throughout project.
  - .3 Sheet steel utility box cover for wiring devices installed in surface-mounted utility boxes.
  - .4 Stainless steel, 1 mm thick cover plates for wiring devices mounted in flush-mounted outlet box.
  - .5 Sheet metal cover plates for wiring devices mounted in surface-mounted FS or FD type conduit boxes.
  - .6 Weatherproof double lift spring-loaded cast aluminum cover plates, complete with gaskets for duplex receptacles as indicated.
  - .7 Weatherproof spring-loaded cast aluminum cover plates complete with gaskets for single receptacles or switches.
- 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 - 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 height in accordance with Section 26 05 00 - Common Work Results - Electrical as indicated.
    - .3 Where split receptacle has one portion switched, mount vertically and switch upper portion.
  - .3 Cover plates:
    - .1 Protect stainless steel 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