

**PART 1        GENERAL**

**1.1            SECTION INCLUDES**

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

**1.2            RELATED SECTIONS**

- .1        Section 01 33 00 - Submittal Procedures.
- .2        Section 26 80 00 – Commissioning of Electrical Sysems.
- .3        Section 26 05 00 – Common Work Results - Electrical.

**1.3            REFERENCES**

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

**PART 2        PRODUCTS**

**2.1            SWITCHES**

- .1        15 A, 120 V, single pole, double pole, three-way, four-way switches as indicated 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        White toggle.
  - .6        Specification grade.
  - .7        Hospital grade as indicated.
- .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.

.5 Acceptable products:

- .1 Hubbel HBL 1201 W,
- .2 Leviton 1201-2W,
- .3 Pass and Seymour.

## **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 Ivory thermoplastic 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.
- .6 Specification grade.
- .7 Hospital grade as indicated.

.2 Single receptacles CSA type 5-15 R, 125 V, 15 A, U ground with following features:

- .1 Ivory thermoplastic moulded housing.
- .2 Suitable for No. 10 AWG for back and side wiring.
- .3 Four back wired entrances, 2 side wiring screws.

.3 Other receptacles with ampacity and voltage as indicated.

.4 Receptacles of one manufacturer throughout project.

.5 Acceptable products:

- .1 Hubbel 5262-W,
- .2 Leviton 5262-W,
- .3 Pass and Seymour 5262-W.

.6 Wharf receptacles as noted on the drawings.

## **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 Provide covers as indicated on drawings. All receptacles located outdoors and is not on the wharf to have weatherproof cover.

**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.
- .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.
  - .3      Where split receptacle has one portion switched, mount vertically and switch upper portion.
- .3      Cover plates:
  - .1      Protect 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**