

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 01 74 21 - Construction/Demolition Waste Management And Disposal.
.3 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 in accordance with Section 01 33 00 - Submittal Procedures.
- 1.5 Waste Management and Disposal .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
.2 Remove from site and dispose of all packaging materials at appropriate recycling facilities.
.3 Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard 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 Engineer.
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PART 2 - PRODUCTS

- 2.1 Switches .1 15 or 20 A, 120 V, single pole, three-way and 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 Side wiring only.
 - .5 White toggle.
 - .6 Standard of Acceptance: 15A, 120V, single pole, Hubbell #CS1201W.
 - .7 Standard of Acceptance: 15A, 120V, three-way, Hubbell #CS1203W.
 - .8 Standard of Acceptance: 20A, 120V, four-way, Hubbell #CS1224W.
- .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 manufacturers: Hubbell, Leviton or Cooper.
- 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 White thermoplastic base, nylon face.
 - .2 Suitable for No. 10 AWG for side wiring only.
 - .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 Standard of Acceptance: Hubbell #CR5262W.
- .2 Other receptacles with ampacity and voltage as indicated.
- .3 All receptacles on emergency power shall be "red" in color and of one shall be of manufacturer throughout project.
- .4 Acceptable manufacturers: Hubbell, Leviton or Cooper.
- 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.
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- 2.3 Cover Plates (Cont'd)
- .4 Stainless steel, vertically brushed, 1 mm (1/25") thick cover plates for wiring devices mounted in flush-mounted outlet box.
 - .5 Cast 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 - 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 or as indicated on the drawings.
 - .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.