

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.
- .2 Section 26 05 00 – Common Work Results – Electrical.

1.2 REFERENCES

- .1 Unless otherwise indicated, all the works must be done in accordance with the latest edition of the Quebec Construction Code (QCC).
- .2 Furthermore, works must be designed and carried out in accordance with any other code or standard having jurisdiction, as per the latest edition, including, but not limited to:
 - .1 Canadian Standards Association (CSA) / CSA International.
 - .1 CSA C22.1, Canadian Electrical Code, Part I (latest edition), Safety Standard for Electrical Installations.
 - .2 CSA C22.2 n° 40, Cutout, Junction and Pull Boxes.

1.3 SUBMITTALS

- .1 Shop drawings:
 - .1 Submit shop drawings in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.
- .2 Product data:
 - .1 Submit required product data in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.
- .3 Samples:
 - .1 N/A.

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for recycling in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.

Rev. 00: Issued for tender (2013-11-19)

- .2 Remove all packaging material from site and divert to appropriate recycling facilities.
- .3 Separate for recycling packaging material and place in designated containers in accordance with Waste Management Plan.
- .4 Divert unused metal materials to metal recycling facility as approved by the Engineer.
- .5 Fold up metal banding, flatten and place in designated area for recycling.

PART 2 - PRODUCTS

2.1 OUTLET AND CONDUIT BOXES

- .1 102 mm square or larger outlet boxes: as required for specific devices.
- .2 Gang boxes where wiring devices are grouped.
- .3 Blank cover plates for boxes without wiring devices.
- .4 347 V outlet boxes for 347 V switching devices.
- .5 Combination boxes with barriers where outlets for more than one system are grouped.

2.2 GALVANIZED STEEL OUTLET BOXES

- .1 Single and multi-gang flush device boxes for flush installation, minimum size 102 x 102 x 65 mm or as indicated. 102 mm square outlet boxes when more than one conduit enters one side with extension and plaster rings as required.
- .2 102 mm square or octagonal outlet boxes for lighting fixture outlets.
- .3 102 mm square outlet boxes equipped with extension and plaster rings for flush mounting devices in finished gypsum, plaster or tile walls.

2.3 MASONRY BOXES

- .1 Electro-galvanized steel masonry single and multi-gang boxes for devices flush mounted in exposed block walls.

2.4 CONCRETE BOXES

- .1 Electro-galvanized sheet steel concrete type boxes for flush mount in concrete with matching extension and plaster rings as required.

Rev. 00: Issued for tender (2013-11-19)

2.5 FLOOR BOXES

- .1 Concrete tight electro-galvanized sheet steel floor boxes with adjustable finishing rings to suit floor finish with brass faceplate. Device mounting plate to accommodate short or long ear duplex receptacles. Minimum depth: 28 mm for receptacles and 73 mm for communication outlets.
- .2 Adjustable, watertight, concrete tight, cast floor boxes with openings drilled and tapped for 19 mm conduit. Minimum depth: 73 mm.

2.6 CONDUIT BOXES

- .1 Cast FS or FD boxes with factory-threaded hubs and mounting feet for surface wiring of devices.

2.7 FITTINGS

- .1 Bushing and connectors with nylon insulated throats.
- .2 Knock-out fillers to prevent entry of debris.
- .3 Conduit outlet bodies for conduits up to 32 mm and pull boxes for larger conduits.
- .4 Double locknuts and insulated bushings on sheet metal boxes.

2.8 MANUFACTURER

- .1 Acceptable products: Iberville from Commander Inc. or approved equivalent.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Support boxes independently of connecting conduits.
- .2 Fill boxes with paper, sponges or foam or similar approved material to prevent entry of debris during construction.
- .3 For flush installations mount outlets flush with finished wall using plaster rings to permit wall finish to come within 6 mm of opening.
- .4 Provide correct size of openings in boxes for conduit and armoured cable connections. Do not install reducing washers.

Rev. 00: Issued for tender (2013-11-19)

- .5 Install flush boxes fitted with extensions, raised cover plates and rings suitable to the walls described in the drawings and in the architectural specifications.

END OF SECTION

Rev. 00: Issued for tender (2013-11-19)