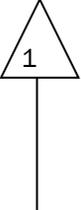


Electrical –Junction and pull boxes and cabinets  
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**PART 1 GENERAL**

**1.1 RELATED REQUIREMENTS**

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- .1 Section 031000 – Concrete – Concrete Forming and Accessories
  - .2 Section 032000 – Concrete Reinforcing
  - .3 Section 033000 – Cast in Place Concrete
  - .4 Section 260500 – Electricity - Common work results for electrical

**1.2 REFERENCES**

- .1 Canadian Standards Association (CSA International)
  - .1 CSA C22.10 Quebec construction code – chapter V electricity latest edition

**PART 2 PRODUCTS**

**2.1 JUNCTION BOXES**

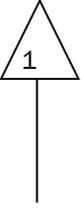
- .1 For installation in dry locations:
  - .1 Construction: welded steel enclosure, NEMA 1 certified.
  - .2 Covers surface mounted: screw-on flat covers.
- .2 For installation in wet locations or outside:
  - .1 Construction: boxes certified NEMA 4X in stainless steel.
  - .2 Covers surface mounted: cover with bended ends, with water seal joint, fastening with screw.
- .3 For boxes with more than 3 incoming or outgoing cables
  - .1 Suitable box for the location equipped with terminal blocks of appropriate gage and quantity

**2.2 CABINET FOR THE GENERATOR CONNECTION**

- 
- .1 The cabinet shall include the 600 V 200 A manual transfer switch.
  - .2 Construction: welded sheet steel, hinged door, handle, lock and catch, certified NEMA 4X.

**PART 3 EXECUTION**

**3.1 JUNCTION BOXES INSTALLATION**

- 
- .1 Install pull boxes at locations indicated on drawings.
  - .2 Mount boxes with top not higher than 2 m above finished floor. In the door opening system access wells, install the junction boxes in the upper part of the wells.

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- .3 Install terminal block in the junction boxes.
- .4 Only the junction boxes in the door opening system access wells are indicated. Install additional boxes as required by CSA C22.10.

**3.2 PULL BOXES ENLARGEMENT**

- .1 Enlarge pull boxes according the indications shown on drawings.
- .2 Pull boxes shall be cast in place. All concrete works shall be done in accordance with sections 031000, 032000 and 033000.
- .3 Allow 6 mm closing metallic checkered plates.

**3.3 GENERATOR CONNECTION CABINET INSTALLATION**

- .1 Install the cabinet on the exterior wall.
- .2 Mount cabinets with top not higher than 2 m above finished floor.

**3.4 IDENTIFICATION**

- .1 Equipment Identification: to Section 260500 - Common Work Results for Electrical.

**FIN DE LA SECTION**