

## **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 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.
  - .2 Insulated Cable Engineers Association (ICEA).

### **1.3 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate waste materials for recycling in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.
- .2 Remove packaging material from site and divert to appropriate recycling facilities.
- .3 Separate packaging material for recycling 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 and the Client.
- .5 Fold up metal banding, flatten and place in designated area for recycling.

## **PART 2 - PRODUCTS**

N/A.

## **PART 3 - EXECUTION**

### **3.1 CABLE INSTALLATION IN DUCTS**

- .1 Install cables in ducts as indicated on plans.
- .2 Do not pull spliced cables inside ducts.
- .3 Install multiple cables in duct simultaneously.
- .4 Use CSA approved lubricants of type compatible with cable jacket to reduce pulling tension.
- .5 To facilitate matching of colour coded multi-conductor control cables, reel off in same direction during installation.
- .6 Before pulling cable into ducts and until cables are properly terminated, seal ends with moisture seal tape.
- .7 After installation of cables, seal underground duct ends with duct sealing compound.
- .8 Install cables in ducts, without exceeding the filling rate, as per QCC Table 8, Chapter V – Electricity (latest edition).
- .9 Install conductors of like diameter, without exceeding the maximum number, as per QCC Table 6, Chapter V – Electricity (latest edition).

### **3.2 FIELD QUALITY CONTROL**

- .1 Check phase rotation and identify each phase conductor of each feeder.
- .2 Check each feeder for continuity, short circuits and grounds, and ensure resistance to ground of circuits is not less than 50 megohms.

## **END OF SECTION**

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