

## **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.
    - .1 CAN/CSA C22.2 No. 4, Enclosed Switches.
    - .2 CSA C22.2 No. 39, Fuseholder Assemblies.

### **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 CLOSEOUT SUBMITTALS**

- .1 Submit all required closeout submittals in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.

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- .2 Supply instructions required for operation and maintenance of fused and non-fused disconnect switches and include them with the manual mentioned in Section 21 00 00/26 00 00 - Specific Conditions – Mechanical/Electrical.
- .3 Include operation and maintenance instructions for each type and model of fused or non-fused disconnect switch.

## **1.5 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 Collect and separate packaging material and dispose of in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .3 Fold up metal banding, flatten and place in designated area for recycling.

## **PART 2 - PRODUCTS**

### **2.1 DISCONNECT SWITCHES**

- .1 Fused and non-fused disconnect switches in NEMA enclosure for interior use and NEMA 4X for exterior use.
- .2 Provision for padlocking in “ON” position by three locks.
- .3 Mechanically interlocked door to prevent opening when handle in “OFF” position.
- .4 Fuseholders: Suitable without adaptors, for type and size of fuse indicated.
- .5 Quick-make, quick-break action.
- .6 “ON-OFF” switch position indication on switch enclosure cover.
- .7 All disconnect switches installed outdoors must be weatherproof.
- .8 General use construction.
- .9 Disconnect switches in circuits between variable-frequency drives and motors and disconnect switches for elevator motors must have an electrical interlock including an NO contact and an NC contact allowing the control circuit to be opened before the disconnect contacts open.

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## **2.2 EQUIPMENT IDENTIFICATION**

- .1 Provide equipment identification on a size 4 nameplate in accordance with Section 26 05 00.

## **2.3 MANUFACTURERS**

- .1 Acceptable products: Eaton, Schneider Electric, Siemens or approved equivalent.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- .1 Install disconnect switches complete with fuses if applicable.
- .2 Install disconnect switches so that the lever can be operated easily with the left hand.

**END OF SECTION**