

## **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.
- .3 Section 26 50 00 – Lighting.

### **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 CSA C22.2 n° 184.1, Solid-State Dimming Controls (Bi-national standard with UL 1472).

### **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.
  - .2 Include product characteristics, performance criteria, physical size, limitations and finish.
- .3 Samples:
  - .1 N/A.

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## **1.4 QUALITY ASSURANCE**

- .1 Submit the following documents in accordance with Section 21 00 00/26 00 00 – Specific Conditions – Mechanical/Electrical.
  - .1 Manufacturer's Instructions: Provide to indicate special handling criteria, installation sequence and cleaning procedures.

## **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 Remove all packaging material from work site and divert to appropriate recycling facility.
- .3 Separate for packaging material for recycling and place in designated containers in accordance with Waste Management Plan.
- .4 Fold up metal banding, flatten and place in designated area for recycling.

## **PART 2 - PRODUCTS**

### **2.1 Full Range Dimmer**

- .1 Full range dimmer designed to produce 0% to 100% brightness control by means of single dial and:
  - .1 Fit single-gang standard switch box;
  - .2 Advanced solid-state design with silicon symmetrical switch;
  - .3 Two moving parts:
    - .1 Single pole switch;
    - .2 Long life potentiometer.
  - .4 Indicator light;
  - .5 Push to turn ON or OFF without disturbing preselected brightness setting;
  - .6 Rated: 600 W and/or 1000 W and/or 1500 W at 120 V, ac;
  - .7 Radio/TV interference filter;

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- .8 Acceptable products: LEVITON, HUBBELL, BRYANT, PASS & SEYMOUR or approved equivalent.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- .1 Install remote control stations in accordance with plans.
- .2 Connect lamp circuits to dimmer power sections.

#### **3.2 Field Quality Control**

- .1 Demonstrate that dimming systems operate as intended and that there are no problems in starting lamps, nor in keeping them lit and flicker-free at any setting of dimming intensity control.

**END OF SECTION**