

## **PART 1 - GENERAL**

### **1.1 RELATED SECTIONS**

- .1 Section 25 05 01 - EMCS: General Requirements.

### **1.2 REFERENCES**

- .1 Canadian Standards Association (CSA International).
  - .1 CSA C22.1-02, The Canadian Electrical Code, Part I (19<sup>th</sup> Edition), Safety Standard for Electrical Installations.

### **1.3 DEFINITIONS**

- .1 Acronyms and Definitions: Refer to Section 25 05 01 - EMCS: General Requirements.

### **1.4 SYSTEM DESCRIPTION**

- .1 Language Operating Requirements: Provide identification for control items in English and French.

### **1.5 SUBMITTALS**

- .1 Submit documents and samples required.
- .2 Submit to Departmental Representative for approval samples of nameplates, identification tags and list of proposed wording.

## **PART 2 - PRODUCTS**

### **2.1 NAMEPLATES FOR TABLES**

- .1 Identify by Plastic laminate, 3 mm thick, matt white finish, black core, square corners, lettering accurately aligned and engraved into core.
  - .2 Sizes: 25 x 67 mm minimum.
  - .3 Lettering: Minimum 5 mm high, black.
  - .4 Inscriptions: Machine engraved to identify function.
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## **2.2 NAMEPLATES FOR FIELD DEVICES**

- .1 Identify by plastic encased cards attached by chain plastic tie.
- .2 Sizes: 50 x 100 mm minimum.
- .3 Lettering: Minimum 5 mm high produced from laser printer in black.
- .4 Data to include: Point name and point address.
- .5 Companion Cabinet: Identify interior components using plastic enclosed cards with point name and point address.

## **2.3 NAMEPLATES FOR ROOM SENSORS**

- .1 Identify by stick-on labels using point identifier.
- .2 Location: As directed by Departmental Representative.
- .3 Letter Size: Minimum 5 mm high.

## **2.4 WARNING SIGNS**

- .1 Equipment including motors, starters under remote automatic control: Supply and install orange coloured signs warning of automatic starting under control of EMCS.
- .2 Sign to read: "Caution: This equipment is under automatic remote control of EMCS" as reviewed by Departmental Representative.

## **2.5 WIRING IDENTIFICATION**

- .1 Supply and install numbered tape markings on wiring at panels, junction boxes, splitters, cabinets, and outlet boxes.
- .2 Colour Coding: To CSA C22.1. Use colour coded wiring in communications cables, matched throughout system.
- .3 Power Wiring: Identify circuit breaker panel/circuit breaker number inside each EMCS panel.

## **2.6 CONDUIT IDENTIFICATION**

- .1 Colour code EMCS conduit.
  - .2 Pre-paint box covers and conduit fittings. Paint conduits every 2 metres if joints or box covers are not pre-painted.
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- .3 Coding: Use fluorescent orange paint or 25 mm width tape and confirm colour with Departmental Representative during "Preliminary Design Review".

### **PART 3 - EXECUTION**

#### **3.1 NAMEPLATES AND LABELS**

- .1 Ensure that manufacturer's nameplates, CSA labels and identification nameplates are visible and legible at all times.

#### **3.2 EXISTING PANELS**

- .1 Correct existing nameplates and legends to reflect changes made on system.

**END OF SECTION**

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