

**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 C22.1-12, The Canadian Electrical Code, Part I (22<sup>nd</sup> Edition), Safety Standard for Electrical Installations.

**1.3            DEFINITIONS**

- .1        For 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        Submittals in accordance with Section 01 00 10 – General Instructions supplemented and modified by requirements of this Section.
- .2        Submit to Departmental Representative for approval samples of nameplates, identification tags and list of proposed wording.

**Part 2           Products**

**2.1            NAMEPLATES FOR PANELS**

- .1        Identify by Plastic laminate, 3 mm thick, black core, square corners, lettering accurately aligned and engraved into core.
- .2        Sizes: 25 x 67 mm minimum.
- .3        Lettering: minimum 7 mm high, black.
- .4        Inscriptions: machine engraved to identify function.

**2.2            NAMEPLATES FOR FIELD DEVICES**

- .1        Identify by plastic encased cards attached by 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 each device with pre-printed, electronically generated self-adhesive vinyl labels.
- .2 Location: as directed by Departmental Representative.
- .3 Letter size: to suit, clearly legible.

### **2.4 WIRING**

- .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.

### **2.5 CONDUIT**

- .1 Colour code EMCS conduit.
- .2 Pre-paint box covers and conduit fittings.
- .3 Coding: use fluorescent orange paint 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 during Work.

**END OF SECTION**