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**Part 1            General**

**1.1                RELATED SECTIONS**

- .1    Section 26 05 00 - Common Work Results for Electrical.
- .2    Section 26 05 21 - Wires and Cables (0-1000 V).
- .3    Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.

**1.2                REFERENCES**

- .1    Canadian Standards Association (CSA International).
  - .1    CSA C22.2 No.141-10, Emergency Lighting Equipment.
  - .2    CSA C860-01(December 2002), Performance of Internally-Lighted Exit Signs.
- .2    National Fire Protection Association (NFPA).
  - .1    NFPA 101-2006, Life Safety Code.

**1.3                ACTION AND INFORMATIONAL SUBMITTALS**

- .1    Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2    Product Data:
  - .1    Submit manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .3    Mock-ups.
  - .1    Supply, install, and connect temporarily exit signs required in mock-ups for Work, as indicated and in accordance with Section 01 45 00 - Quality Control.
    - .1    Construct mock-ups in the following locations:
      - .1    Exit signs with cabling in one frame of the lobby and the multipurpose room.
      - .2    Remove mock-up at conclusion of Work or when acceptable to Departmental Representative, connect permanently to incorporate in final Work, according to Section 01 45 00 - Quality Control.
- .4    Quality Assurance Submittals: submit following in accordance with Section 01 45 00 - Quality Control.
  - .1    Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, and cleaning procedures.

**1.4                WASTE MANAGEMENT AND DISPOSAL**

- .1    Separate waste materials for recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

## **1.5 ACCEPTABLE PRODUCTS AND MATERIALS**

- .1 Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products.

## **Part 2 Products**

### **2.1 ILLUMINATED EXIT SIGNS**

- .1 Housing: extruded aluminum housing.
- .2 Lamps: LED with 25 years lifetime.
- .3 Acrylic translucent panel with pictogram, green and white.
  - .1 Right arrow, left arrow, or straight, as indicated.
- .4 Mounting: suitable for universal mounting: recessed, wall, overhanged, or ceiling, as indicated.
  - .1 Pressure-injected aluminum plate, for recess mounting.
  - .2 Fixing accessories as needed.
- .5 Protection grid as indicated.
- .6 Exit lights: to CSA C22.2 No.141 and CSA C860.

### **2.2 ACCEPTABLE PRODUCTS**

- .1 In Technical Rooms and Tunnel:
  - .1 EA Series of Emergi-Lite (Thomas & Betts).
  - .2 LA Series of Lumacell (Thomas & Betts).
  - .3 Replacement materials or products: approved by addendum according to Instructions to bidders.
- .2 Everywhere else:
  - .1 EAE Series of Emergi-Lite (Thomas & Betts).
  - .2 LAE Series of Lumacell (Thomas & Betts).
  - .3 Replacement materials or products: approved by addendum according to Instructions to bidders.

## **Part 3 Execution**

### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

**3.2           INSTALLATION**

- .1       Install exit lights to manufacturer's recommendations, listing requirements, NFPA standard and local regulatory requirements.
- .2       Connect fixtures to exit light circuits.
- .3       Connect emergency lamp sockets to emergency circuits.
- .4       Ensure that exit light circuit breaker is locked in on position.

**3.3           CLEANING**

- .1       Proceed in accordance with Section 01 74 11 - Cleaning.
- .2       On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools, and equipment.

**END OF SECTION**