

Project:

## **Section 10 14 [\*\* \*\*] or Section 26 53 [\*\* \*\*] Luminous Egress Path Markings**

Note to Spec Writer:  
“[\*\* \*\*]” indicates decision  
on part of Spec Writer

### **PART 1 GENERAL**

#### **1.1 DESCRIPTION**

This Section specifies the furnishing, handling and installation of luminous egress path markings for stairwells and passageways in buildings that are covered under codes that use IBC Section 1024 as a guideline.

#### **1.2 RELATED WORK**

- A. Section 26 51 13 [\*\* \*\*] Interior Lighting Fixtures, Lamps and Ballasts.

#### **1.3 QUALITY ASSURANCE**

- A. All designs, products and installation methods shall comply, as appropriate, with the following:
  1. International Building Code or [\*\* \*\*] State Building Code Section 1024
  2. International Fire Code or [\*\* \*\*] State Building Code Section 1024
  3. Underwriter Laboratories Standard 1994: Luminous Egress Path Marking Systems
  4. Additional requirements of local “Authority having Jurisdiction”.
- B. Refer to Paragraph, GUARANTY, in Section 01001, GENERAL REQUIREMENTS.

#### **1.4 LEED REQUIREMENTS**

- A. Meet the requirements, including submittal requirements of the following LEED credits as referenced in Section 01 81 13:
  1. MR credit 2 Construction Waste Management.
  2. MR credit 3 Materials Reuse.
  3. MR credit 4 Recycled Content.
  4. MR credit 5 Regional Materials.
  5. EQ credit 3.1 Construction IAQ Management Plan: During Construction.
  6. EQ credit 3.2 Construction IAQ Management Plan: Before Occupancy.
  7. EQ credit 4.1 Low-Emitting Materials: Adhesives & Sealants.
  8. EQ credit 4.2 Low-Emitting Materials: Paints & Coatings.

#### **1.5 SUBMITTALS**

- A. Samples. Submit a representative sample of each marking to be installed. As appropriate, include samples of attachment methods.
- B. Data Sheets. Supply the Manufacturer’s technical data sheet for each marking to be installed. As appropriate, provide Material Safety Data Sheets.
- C. Manufacturer’s Instructions. Submit Manufacturer’s installation, commissioning, operation, and maintenance instructions for each marking to be installed.

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- D. Installation Drawings, Schedule and Details. Submit Installation Drawings and Schedule for each marking indicating where in the building the markings will be placed. Provide details as necessary to install the markings as required by this Specification.

#### 1.6 APPLICABLE PUBLICATIONS

- A. Publications listed below (including amendments, addenda, revisions, supplements, and errata) where applicable to luminous egress path markings, form a part of this specification.
- B. NFPA 101 Life Safety Code
- C. NFPA 5000 Building Construction and Safety Code
- D. NFPA 1 Uniform Fire Code
- E. ASTM 2072-04 Standard Specification for Photoluminescent Safety Markings

### **PART 2 PRODUCTS**

2.1 Luminous Egress Path Markings consist of a group of photoluminescent products that identify significant egress path features in building stairwells and passageways such as stairwell treads, stairwell handrails, landings, doors, door frames, door handles, stairwell obstacles, informational placards and similar elements of the egress path requiring visual delineation.

- A. Manufacturer. Subject to compliance with specified requirements, supply products from one of the following companies or as approved in accordance with Section 01, General Requirements for Substitutions:
  - 1. Active Safety Corporation
  - 2. [**\*\*Other approved manufacturer company\*\***]
- B. Manufacturer Company Experience. Manufacturer company shall have at least 5 years of experience supplying photoluminescent safety products [i.e. exit signs, pathway stripes, etc]
- C. Manufacturer representation. Manufacturer shall have a representative in the state that the project is located.

2.2 Photoluminescent Stair Tread Marking – Bullnose Profile  
A. Active Safety Series 200

2.3 Photoluminescent Stair Tread Marking – Flat Profile  
A. Active Safety Series 210

2.4 Photoluminescent Stair Hand Rail Marker  
A. Active Safety Series 300

2.5 Photoluminescent Egress Path Marker [Wall, Floor & Door]  
A. Active Safety Series 320

2.6 Photoluminescent Floor Identification Sign  
A. Active Safety Series 500

2.7 Photoluminescent NFPA 170 Emergency Exit Sign Marker  
A. Active Safety Series 510

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### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A. Delivery, Storage and Handling. Deliver products to work site and protect from damage until installation.
- B. Pre-installation Conference: Notify Architect when markings are ready for installation. Arrange for conference at site. Do not proceed with installation until Architect's approval of specific locations and methods of attachment is obtained.
- C. Install markings in accordance with this Specification, local building codes, manufacturer's instructions and as shown on the drawings and specified by Architect. Report all conflicts to the Architect.
- D. Align, level and mount markings uniformly after painting and finishing have been completed and surfaces are acceptable to installer.
- E. Avoid interference with and provide clearance for other equipment. Where the indicated locations for the markings conflicts with locations for other equipment, change the location of the markings by the minimum distances necessary as approved by the Architect.
- F. Repair or replace damaged markings as directed by Architect.
- G. For all markings mounted directly to walls, maintain zero clearance with the face of substrate.
- H. At completion of installation, clean soiled surfaces following Manufacturer's Instructions.
- I. Protect installed markings from damage from other construction activities until Acceptance.

#### **3.2 FIELD QUALITY CONTROL**

- A. Turn on nearby light sources and allow markings to "charge" for 60 minutes. Test markings by turning off lights and confirming that markers visibly glow in a totally dark environment.
- B. Increase lighting levels on the marking faces that do not visibly glow, and retest.

**END OF SECTION**