

SECTION 10 1443

PHOTOLUMINESCENT EGRESS PATH MARKINGS

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Photoluminescent egress path markings.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section 26 5213 - Photoluminescent Exit Signs.

1.2 REFERENCES

- A. National Fire Protection Association (NFPA) 101 - Life Safety Code.
- B. Underwriters Laboratories, Inc. (UL) Provide egress path markings in accordance with [Building Code.] [NFPA 101.]

1.4 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate sign locations, content, mounting heights, and attachments.
 - 2. Product Data: Include product description, materials, finishes, and performance characteristics.
 - 3. Samples:
 - a. Marking film/strip samples, [12] [] inches long.
 - b. Perimeter demarcation strip samples, [12] [] inches long.
 - c. Stripe film/strip samples, [12] [] inches long.
 - d. Sign samples, full size.
 - e. Landing identification samples, [12] [] inches long.
 - f. Door hardware marking samples, [4 x 4] [] x [] inches.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Store markings in cool, dry location until installed.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Jessup Manufacturing Company. (www.jessupmfg.com)
- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 COMPONENTS

- A. Egress Path Markings - General:
 - 1. Product: Glo Brite Egress Path Markings.
 - 2. Description:
 - a. Photoluminescent material absorbing and storing energy from ambient LED, fluorescent light, not requiring external power supply.
 - b. Non-toxic, non-radioactive.
 - c. High-visibility illumination.
 - d. Listed to UL 1994.
- B. Handrail: 1 inch wide, self-adhering with release-paper facing.
- C. Perimeter Demarcation Strips: [Aluminum strip with photoluminescent film, 1 inches wide x 54 inches long.] [Conformable photoluminescent film, [1 inch] wide.]
- D. Obstacle Stripe Film/Strip: [1 inch] wide, black diagonal stripes, on aluminum photoluminescent strips
- E. Fire Safety Signs:
 - 1. Provide signs with indicated characters and graphic depictions.
 - 2. FIRE EXTINGUISHER: 8.75 inches wide x 12 inches high.
 - 3. FIRE HOSE: 8.75 inches wide x 12 inches high.
 - 4. FIRE HOSE AND STANDPIPE: 8.75 inches wide x 12 inches high.
 - 5. EXTERIOR AREA FOR ASSISTED RESCUE: 11.25 inches wide x 12 inches high.
 - 6. AREA OF REFUGE: 11.25 inches wide x 12 inches high.
 - 7. PUSH TO EXIT: 11.25 inches wide x 5 inches high.
 - 8. PUSH UNTIL ALARM SOUNDS - DOOR CAN BE OPENED IN 15 SECONDS: 11.25 inches wide x 10 inches high.
 - 9. PUSH UNTIL ALARM SOUNDS - DOOR CAN BE OPENED IN 30 SECONDS: 11.25 inches wide x 10 inches high.
 - 10. Running man - right: 8 x 8 inches.
 - 11. Running man - left: 8 x 8 inches.
- F. Floor Identification Signs:
 - 1. Size: 12 inches wide x 18 inches high.
 - 2. Content:
 - a. Stair or ramp identification.
 - b. Floor level.
 - c. Braille floor indicator.
 - d. Exit enclosure top and bottom terminus.
 - e. Roof access availability.
 - f. Exit discharge direction.
- G. Step and Landing Identification: Aluminum extrusion with 1 inch wide photoluminescent insert, 48 inches wide; 1" aluminum with photoluminescent film 1 inches wide by 54 inches wide
- H. Door and Hardware Markings: Self-adhering with release-paper facing.
 - 1. Exit door markings: 4 x 4 inches.
 - 2. Door hardware markings:
 - a. Door handles: 4 x 4 inches.
 - b. Panic bars: 1 inch high x full width of bar.
 - 3. Door frame markings: 1 inch wide.

PART 3 EXECUTION

3.1 PREPARATION

- A. Clean substrate surfaces of dirt, oil, grease, and loose matter that could impair adhesion.

3.2 INSTALLATION

- A. Install markings in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Locate markings in accordance with [Building Code.] [NFPA 101.]
- C. Install markings straight and true to line.

3.3 SCHEDULE

LOCATION	MARKING TYPE	COMMENTS
Steps and Landings	Step and Landing Identification	Leading edge of each step and landing within exit enclosures
Handrails	Marking Film/Strip	Entire length of each handrail within exit enclosures, located on top surface
Stair Landings and Other floor Areas	[Perimeter Demarcation Strips] [Marking Film]	Solid and continuous demarcation line on floor or wall within exit enclosures, excluding sides of steps
Obstacles	Stripe Film/Strip	Obstacles at or below 6'-6" and projecting into egress path more than 4 inches within exit enclosures
Exit Doors	Exit Door Marking	Each exit door within exit enclosures, centered on door with top edge maximum 18 inches above floor
Door Hardware	Door Hardware Marking	Each door handle on exit doors within exit enclosures, located behind, adjacent to, or on handle or escutcheon
Door Hardware	Door Hardware Marking	Each panic bar on exit doors within exit enclosures
Door Frames	Door Frame Marking	Head and jambs of each exit door within exit enclosures, continuous
Floor Identification	Floor Identification Sign	Each floor landing within exit enclosures
Fire Safety Signs	[FIRE EXTINGUISHER] [FIRE HOSE] [FIRE HOSE AND STANDPIPE] signs	Each firefighting appliance location
Fire Safety Signs	[EXTERIOR AREA FOR ASSISTED RESCUE] [AREA OF REFUGE] [PUSH TO EXIT] [PUSH UNTIL ALARM SOUNDS - DOOR CAN BE OPENED IN 15 SECONDS] [PUSH UNTIL ALARM SOUNDS - DOOR CAN BE OPENED IN	Refer to Drawings for locations

30 SECONDS] [Running man - right]
[Running man - left] signs

END OF SECTION