

1. **Design Criteria:**

- a. All buildings that have a battery backup shall have a push button test for all exit and emergency lights.
- b. For buildings with a generator and designated Life Safety Transfer Switch, no battery backup is required (unless required by code) or wanted.
- c. “Non-powered” lights that use ambient light to charge are prohibited.
- d. “Self-diagnostic” lights are prohibited.
- e. Photoluminescent Exit signs shall be specified by the design consultant as an individual line item in bidder’s lighting package bids. They shall not be included in the overall package to allow UVM to be able to approve them separately from the other light fixtures included in the lighting package. This gives control over the final exit sign product to the owner and not the successful bidder and reduces future maintenance work caused by accepting inferior products as part of an overall lighting package.
- f. Review mounting heights with UVM project manager and UVM Fire Marshal to address any need to install signs lower than expected smoke collection levels at the ceiling.

2. **References**

- a. ASTM International (ASTM) (www.astm.com) E2072 - Standard Specification for Photoluminescent (Phosphorescent) Safety Markings.
- b. International Code Council (ICC) (www.iccsafe.com):
 - i. International Building Code (IBC).
 - ii. International Fire Code (IFC).
- c. National Fire Protection Association (NFPA) (www.nfpa.org) 101 - Life Safety Code.
- d. Underwriters Laboratories, Inc. (UL) (www.ul.com) 1994 - Standard for Luminous Egress Path Marking Systems.
- e. United States Department of Justice (USDOJ) (www.ada.gov) - ADA Standards for Accessible Design (SAD).

3. **Required Submittals:**

- a. Product Data: Include product description, materials, finishes, and performance characteristics.
- b. Shop Drawings: Indicate locations, content, mounting heights, and attachments.

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4. **Products, Materials & Equipment:**

- a. All photoluminescent exit specialties shall be white with green lettering.
- b. Manufacturers:
 - i. Siltron Triangular shape wall mounted exit sign with two sided led green letters, white background, and 120 volt emergency battery back up.
 - 1. Shall be used in high vandalism areas and is to be wall mounted only.
 - 2. This signage is acceptable with or without a battery backup.
 - ii. Dual lite 1 EVE Series (EVEUGWE) LED exit sign with white plastic housing and green letter color.
 - iii. BOW Lighting Exit sign (EZXTEU2GW), green LED without battery back up
 - iv. Dual lite EVC Series (EVCUGW), LED combination exit / emergency light.
 - v. Lithonia lighting is a prohibited manufacturer for exit lights.

5. **Installation, Fabrication, and Construction:**

- a. Install specialties in accordance with NFPA 101, ICC IBC, ICC IFC, manufacturer's instructions, and approved Shop Drawings.
- b. All units are preferred to be wall mounted. Review with the UVM project manager.

6. **Warranties:**

- a. Manufacturer's standard warranty on equipment and products.
- b. Installer's standard one-year warranty on installation and craftsmanship.