

Signs, Danger Keep Out, 10 in x 14 in, Adhesive



1. Scope

This standard covers the requirements for adhesive-backed decal “Danger Keep Out Hazardous Voltage Inside” enclosure signs.

This standard applies to Seattle City Light (SCL) Stock No. 765209.

2. Application

“Danger Hazardous Voltage” signs provide a visual aid in identifying potential hazards that may exist if a person were to come in contact with electrical equipment.

These signs are intended for use specifically on, in, or around electrical enclosures. Signs may also be used in other situations where the same level of alert is warranted.

The term “danger” indicates a hazardous situation that, if not avoided, **will** result in death or serious injury. The use of this term is to be limited to the most extreme situations.

3. Industry Standards

Signs shall meet the applicable requirements of the following industry standards:

Occupational Safety and Health Administration (OSHA) 1910.145; Specifications for accident prevention signs and tags

American National Standards Institute (ANSI) Z535.1; Safety Colors

ANSI Z535.2; Environmental Facility and Safety Signs

Standards Coordinator
Laura Vanderpool

Standards Engineering Supervisor
Brett Hanson

Division Director
Bob Risch

ANSI Z535.3; Criteria for Safety Symbols
ANSI Z535.4; Product Safety Signs and Labels
ANSI C2; NESC Handbook, Appendix B Safety Signs
ASTM D4956 Type IX; Standard Specification for retroreflective sheeting conforming to Type IX.

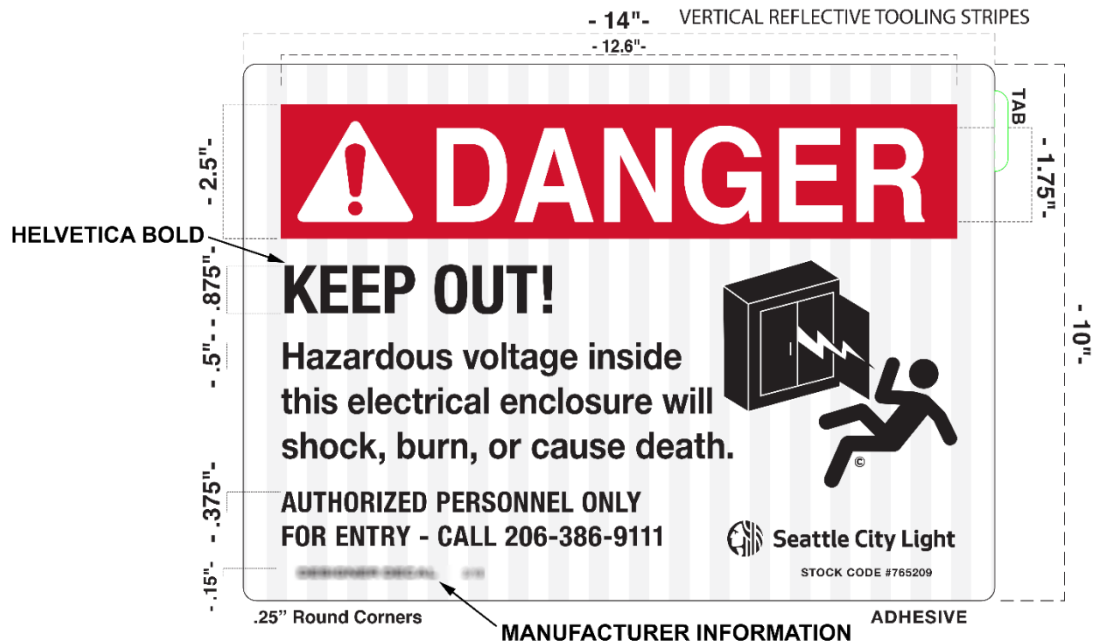
4. Requirements

Sign shall be fabricated according to Table 4 and Figure 4.

Table 4. Sign Requirements

| | |
|--|---|
| Material | Suitable for application without requiring additional coats of adhesive or water to the application surface Minimum application temperature of -10°F Self-extinguishing |
| Coating | 3M Series 3930 high intensity prismatic reflective sheeting; UV-inhibiting Sheeting strips applied in a vertical orientation Tedlar clear laminate |
| Adhesive | Clear, with silver underneath Pre-coated, pressure sensitive Shall have no staining effect on the decal material Mildew resistant Shall form a durable bond to clean, well-painted surfaces or unpainted corrosion-proof metals |
| Liner | Paper, back scored for easy removal Easy release-type; removable without tearing after storage for up to 4 hours at 180°F |
| Durability | Outdoor life of 6 years minimum, with vertical exterior exposure Resistant to 500 hours at 90% humidity Resistant to degradation by petroleum solvents and greases |
| Dimensions (in) | 10 x 14 |
| Text Colors | Signal word panel: Safety White letters on a transparent Safety Red background Text copy: Safety Black Exclamation point pictogram in triangle: Safety Red surrounded by Safety White Electric shock symbol on body pictogram: Safety Black Shocked person pictogram: Safety Black |
| Manufacturer and SCL Product Identification | Manufacturer name or logo and the date of production clearly marked along the bottom left edge of each decal SCL stock number clearly marked along the bottom right edge of each decal |
| Lettering | Ink: 3M 880N series or equivalent Manufacturer and SCL identification: In a style and size that is legible but that does not detract from the warning message All other text: Helvetica Bold font |
| Layout | Per Figure 4 |

Figure 4. Example Sign Layout



Note: The tab (for removing adhesive backing) is not a required feature.

5. Approval Process

Manufacturer must submit artwork and one representative physical sample for review by SCL Standards prior to being considered for approved manufacturer status. Artwork submission shall include manufacturer's part number for SCL use in ordering product.

6. Approved Manufacturers

| Manufacturer | Catalog No. |
|--------------------|----------------------|
| Almetek Industries | LABEL-14605 (Rev. M) |
| Designer Decal | DD-765129-SCL |
| Electromark | SAY765209 |
| Safehouse Signs | 1014-D-KOHV |

7. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Seattle City Light stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Seattle City Light purchase order number
- Seattle City Light stock number

8. Issuance

Stock Unit: EA

9. References

SCL 7651.27; "Signs, Danger Hazardous Voltage, 7 in x 10 in, Adhesive"

10. Sources

Tilley, Kathy; SCL Electrical Engineering Support Specialist and originator of 7651.29

www.almetek.co

www.designerdecal.com

www.safehousesigns.com