

Signs, Warning Hazardous Voltage, 7 in x 10 in, Adhesive



1. Scope

This standard covers the requirements for adhesive-backed decal “Warning Hazardous Voltage” signs.

This standard applies to Seattle City Light (SCL) Stock No. 013754.

2. Application

“Warning 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 on the outside of switches, cabinets, transformers, or vault lids. Signs may also be used in other situations where the same level of alert is warranted.

The term “warning” indicates a hazardous situation that, if not avoided, **could** result in death or serious injury.

See SCL 7651.27 for “Danger Hazardous Voltage” adhesive-backed decal signs.

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

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- ANSI Z535.2**; Environmental Facility and Safety Signs
- 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 on the label or 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)	7 x 10
Text Colors	Signal word panel: Safety Black black letters on a transparent Safety Orange background Text copy: Safety Black Exclamation point pictogram in triangle: Safety Orange surrounded by Safety Black 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



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 catalog number for SCL use in ordering product.

6. Approved Manufacturers

Manufacturer	Catalog No.
Almetek Industries	LABEL-14494 (Rev. K)
Designer Decal	DD-013754-SCL
Electromark	SAY013754

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 7651.35

www.almetek.com

www.designerdecal.com

www.electromark.com