Signs, Danger, ACCR Conductor, 14 in x 20 in, Rigid

1. Scope

This standard covers the requirements for rigid “Danger ACCR Conductor” signs.

This standard applies to Seattle City Light (SCL) Stock No. 014676.

2. Application

“Danger ACCR Conductor” signs provide a visual aid to communicate the presence of Aluminum Conductor Composite Reinforced (ACCR) conductor, and the fact that ACCR presents a significant hazard to line workers.

Signs are intended to be installed on transmission towers that support ACCR conductor.

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.

The first use of HTLS at Seattle City Light (SCL) was to reconductor the Bothell to Sno-King #1 and #2 (BO-SK #1/#2) 230 kV transmission lines.

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3. Industry Standards

Signs shall meet the applicable requirements of the latest revision 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

ANSI Z535.3; Criteria for Safety Symbols

ANSI Z535.4; Product Safety Signs and Labels

4. Requirements

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

Table 4. Sign Requirements

Material	Aluminum
Dimensions (in)	14 x 20, with radiused corners and a 3/8 in x 1 in slot (nominal) in each corner
Thickness (mils)	63
Coating	3M Series 3930 high intensity prismatic reflective sheeting; UV-inhibiting Sheeting strips shall be applied in a vertical orientation.
Text Colors	Danger: Safety White surrounded by Safety Red background Exclamation point pictogram in triangle: Safety Red surrounded by Safety White Broken Conductor pictogram: Safety Red spark All other text: 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 sign SCL stock number clearly marked along the bottom right edge of each sign
Lettering	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. Packaging

Signs shall be packaged to prevent damage during shipping, handling, and storage.

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

- Manufacturer identification
- Product description
- SCL stock number
- Quantity (not to exceed 10)

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

- Manufacturer identification
- Product description
- SCL purchase order number
- SCL stock number

7. Issuance

Stock Unit: EA

8. Approved Manufacturers

Manufacturer	Catalog No.
Almetek Industries	SIGN-17998 (REV. 6)
Designer Decal	DD-ACCR1420-SCL
Electromark	–

9. Sources

SCL Construction Standard 0081.21; "Tower Sign Installation"

SCL Material Standard 6001.25; "High-Temperature, Low-Sag Conductor, 3M"

SCL Material Standard 7651.21; "Signs, Danger Hazardous Voltage, 14 in x 20 in, Rigid"

SCL Work Practice 1615.03; "Hazards and Guidelines When Encountering ACCR (High-Temperature, Low-Sag) Conductor"

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