

Fiberglass Ladders, Single



1. Scope

This standard covers the requirements for single fiberglass ladders and accessories.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Description
014134	16 ft, single, with aluminum rungs
014772	18 ft, single, with aluminum rungs
014773	Safety shoe kit with rubber treads, replacement for Werner 6300 Series single fiberglass ladders
014774	Slotted shoe kit, replacement for Louisville FE3100 series single fiberglass ladders

2. Application

Fiberglass ladders are used by operations personnel to access underground vaults and above ground structures.

Replacement ladder shoe kits are not interchangeable between manufacturers.

3. Industry Standards

Ladders shall meet applicable requirements of the latest revision of the following industry standards:

ANSI A14.5, "American National Standards for Ladders - Portable Reinforced Plastic - Safety Requirements"

Washington Administrative Code (WAC) Chapter 296-876, "Ladders, Portable and Fixed"

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4. Requirements

Ladders shall have the following attributes:

- Duty Rating: Extra Heavy-Duty; Working Load: 300 lb; Type: IA
- Highest standing level a minimum of three (3) feet from the top of the ladder
- Fiberglass rails
- Shoe kit to include a pair of steel shoes with slip-resistant rubber tread pads and spur plates
- Mar-resistant, molded end caps
- Fiberglass rungs reinforced with nylon plugs
- Physical properties as cited in Table 4

Table 4. Ladder Physical Properties

Dimensions, Nominal			Rungs		Ladder Weight (lb), Maximum	Ladder Color
Ladder Length (ft)	Rail Width (in)	Flange Width (in)	Material	Style		
16	3-5/16	1-3/16	Aluminum	1-5/8 in, D-shaped	37	Red/Orange/Yellow
18	3-5/16	1-3/16	Aluminum	1-5/8 in, D-shaped	40	Yellow

5. Marking

Each ladder shall be marked according to the requirements of ANSI A14.5, Section 10.

The following product information shall be on all ladders:

- Ladder size
- Ladder type
- Working load capacity
- Highest standing level
- Model number or name
- Manufacturer or distributor name or identification
- Manufacturing plant if multiple plants make the product
- Month and year of manufacturer
- ANSI compliance
- **Optional:** Web and/or QR code link to safety information

6. Packaging

Ladders and accessories 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

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

- SCL purchase order number

7. Issuance

Ladder: EA

Ladder shoes: PR

8. Approved Manufacturers

Stock No.	Description	Werner	Louisville Ladder	Advanced Ladders
014134	16 ft, single, with aluminum rungs	D6216-1	FE3116	F6016-1
014772	18 ft, single, with aluminum rungs	–	–	F6018-1
014773	Safety Shoe Kit with rubber treads – replacement for Werner 6200 Series single fiberglass ladders (D6216-1)	26-5	–	–
014774	Slotted Shoe Kit with rubber treads – replacement for Louisville 3100 series fiberglass ladders (FE3116)	–	PK137	–

9. Sources

Lu, Curtis; SCL Standards Engineer and subject matter expert for 7644.24.

Wang, Quan; SCL Standards Engineer and originator of 7644.24

www.advancedladders.com

www.louisvilleadder.com

www.wernerco.com