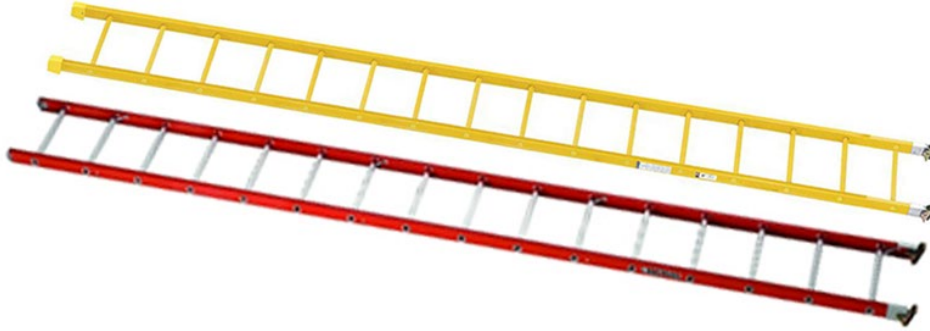


Fiberglass Ladders, Single



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
014771	16 ft, single, with fiberglass rungs
014772	18 ft, single, with fiberglass rungs
014134	16 ft, single, with aluminum rungs
014773	Safety shoe kit replacement for Werner 9500 Series single fiberglass ladders, Stock Nos. 014771 and 014772
014774	Slotted shoe kit replacement for Louisville FE3100 series single fiberglass ladders, Stock No. 014134

Wood ladders are outside the scope of this standard. See SCL 7644.20.

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"

Standard Coordinator
Quan Wang

Standards Engineering Supervisor
John Shipek

Division Director
Andrew Strong

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 (nominal)

Stock No.	Ladder Length (ft)	Rail Width (in)	Flange Width (in)	Rungs		Ladder Weight (lb)	Ladder Color
				Material	Style		
014771	16	3-1/4	1-3/6	Fiberglass	1-1/4 in, round	35	Yellow
014772	18	3-1/4	1-3/6	Fiberglass	1-1/4 in, round	39	Yellow
014134	16	3-5/16	1-3/6	Aluminum	1-5/8 in, D-shaped	37	Red/Orange

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
014771	16 ft, single, with fiberglass rungs	9516-1	–
014772	18 ft, single, with fiberglass rungs	9518-1	–
014134	16 ft, single, with aluminum rungs	–	FE3116
014773	Safety Shoe Kit with rubber treads – replacement for Werner 9500 Series single fiberglass ladders (9516-1 and 9518-1)	RPE-080	–
014774	Slotted Shoe Kit with rubber treads – replacement for Louisville 3100 series fiberglass ladders (FE3116)	–	PK137

9. References

SCL Material Standard 7644.20; “Wood Ladders, Single and Extension, Extra Heavy-Duty”

10. Sources

Wang, Quan; SCL Standards Engineer, originator, and subject matter expert for 7644.24
www.louisvilleadder.com
www.werner.com