

Wood Ladders, Single and Extension, Extra Heavy-Duty



1. Scope

This standard covers the requirements for extra heavy-duty, wood, single and extension ladders and accessories.

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

Stock No.	Description	Highest Standing Level	Maximum Weight (lb) Ladder
013007	16 ft single	12 ft 6 in	37
013008	18 ft single	14 ft 6 in	46
013009	24 ft extension	17 ft 4 in	55
013010	Slip-on ladder shoes (pair)	-	-

2. Application

Wood ladders are used by operations personnel to access underground vaults and above ground structures. Highest standing levels may be found in the list above. Maximum intended load is 300 pounds.

Ladders are furnished with pivot shoes as standard. If slip-on shoes are required, request Stock No. 013010. Contact Standards for information on how to perform the retrofit.

3. Industry Standards

Wood ladders shall meet the applicable requirements of the following:

ANSI-ASC A14.1-2007 - American National Standard for Ladders - Wood Safety Requirements

Chapter 296-876 WAC - Ladders, Portable and Fixed

4. Construction

4.1 General


Ladder side rails shall be constructed of straight-grained Western Hemlock or a species equivalent in strength as determined by ANSI A14.1.

Ladder rungs shall be constructed of hickory or oak.

Ladder rungs shall be fully rodded with truss blocks.

Each ladder shall be provided with a pair of Johnson #360810 pivot shoes installed.

Ladders shall be type IA, equating to a maximum intended load rating of 300 pounds.

standards coordinator	standards supervisor	unit director
 Kathy Tilley	 John Shipek	 Darnell Cola

MATERIAL STANDARD

Wood Ladders, Single and Extension, Extra Heavy-Duty

4.2 Single Ladders

Single ladder channels shall be parallel.

4.3 Extension Ladders

Extension ladder channels shall be parallel except for the 24 ft ladder, which can be slightly flared at the bottom for additional stability.

Each extension ladder shall be provided with rope and pulley according to the requirements of ANSI A14.1, Section 6.3.3.10.

4.4 Ladder Coating

Ladders shall be coated with SherWood Homoclad moisture-resistant sealant.

5. Tests and Test Reports

Data that establishes compliance with the requirements of ANSI A14.1, WAC, and this material standard shall be provided upon request.

6. Marking

Each wood ladder shall be marked according to the requirements of ANSI A14.1, Section 9.

7. Packaging

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

8. Issuance

EA

9. Approved Manufacturers

Stock No.	Description	Michigan	Bauer
013007	16 ft single	Model 1560-16 with Goshen Stamping #360810 pivot shoes	Part #13116SCL
013008	18 ft single	Model 1560-18 with Goshen Stamping #360810 pivot shoes	Part #13118SCL
013009	24 ft extension	Model 1470-24 with Goshen Stamping #360810 pivot shoes	Part #12124SCL
013010	Slip-on ladder shoes, pair	Johnson #360210	-

10. References

7643.2 (canceled) "Ladders, Portable, Wood, Single and extension;" Material Standard, SCL

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