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What is Scaffolding?

- Temporary
- Supports workers
- Supports materials
- Provides access
- Used in form work



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VERSION: 2019



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Video: OSHA

CASE STUDY: FALL PREVENTION FROM FIXED SCAFFOLDS

5

VERSION: NOVEMBER 2017



5



6

VERSION: 2019



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Stairways Used during Construction

Hazards
 OSHA regulations
 Worker training
[29 CFR 1926.1051](#)
 (general)

ARIBA American Road & Transportation Builders Association VERSION: 2010 Photo: Shutterstock 13

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OSHA Stairway Regulations

- Pitch
- Risers
- Tread
- Landings
- Doors and gates

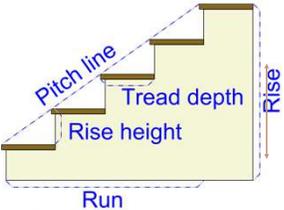
[29 CFR 1926.1052](#)



ARIBA American Road & Transportation Builders Association VERSION: 2010 14

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Parts of a Stairway



- Pitch line 30 - 50 degrees
- Uniform riser height and tread depth

Diagram: ARIBA VERSION: 2010 ARIBA American Road & Transportation Builders Association 15

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Handrail vs. Stair Rail

Graphic: ARIBA
Photo: Granger

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VERSION: 2010
ARIBA American Road & Transportation Builders Association

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Stairway Hazards

- Slipping
- Tripping
- Falling
- Collapse

Photo: ARIBA

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VERSION: 2010
ARIBA American Road & Transportation Builders Association

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Photo: ARIBA

Ladders

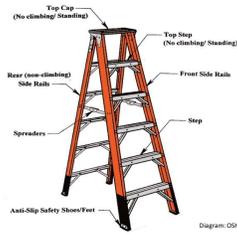
How to climb safely
Hazards
How to identify duty rating and load-carrying capacity
[29 CFR 1926.1051](#)
(general)

18
VERSION: 2010
ARIBA American Road & Transportation Builders Association

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Types of Ladders

- Step ladder
- Single & extension ladder
- Job-made wooden ladder



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VERSION: 2010



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OSHA Ladder Regulations

- Job-made ladders
- Loads
- Rungs, cleats, steps & rails
- Clearance
- Egress

[29 CFR 1926.1053](#)



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VERSION: NOVEMBER 2017



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Video: Oregon OSHA

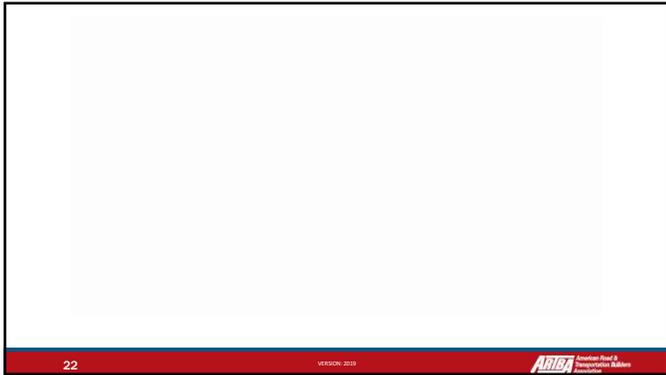
PORTABLE LADDER SAFETY

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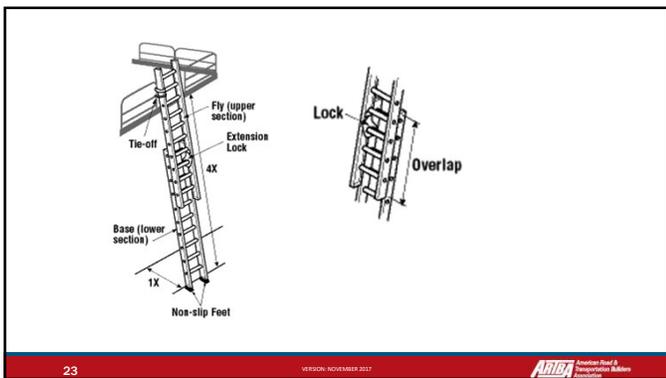
VERSION: NOVEMBER 2017



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Read the Label

Load Capacity	Description	CSA Code	ANSI Code
200 lbs/91 kg	Household – light duty	Grade 3	Type III
225 lbs/102 kg	Tradesman and Farm – medium duty	Grade 2	Type II
250 lbs/113 kg	Construction and Industrial – heavy duty	Grade 1	Type I
300 lbs/136 kg	Construction and Industrial – heavy duty	Grade 1A	Type IA
375 lbs/170 kg	Construction and Industrial – heavy duty	Grade 1AA	Type IAA

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Video: Summary
STAIRWAYS AND LADDERS

25 VERSION: NOVEMBER 2017 

25



26 VERSION: 2020 

26

Discussion: Which Ladder to Use?
Activity instructions: Ask the group how they know what ladder to use for a task.

27 VERSION: 2020 

27

Activity: Calculate the Ladder

Activity instructions: Split the group into smaller groups and give them each a scenario where they need to select a ladder for a task. Have each group share their reasoning.

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Summary

- Recognize the fall hazards associated with scaffolds, steps & ladders.
- Describe how to minimize these fall hazards.
- Locate and explain the duty rating and intended load-carrying capacities of ladders.



Photo: SafeWork Bricks.com

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Break

Questions?

Poll

We will continue in ... minutos



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