

Scaffold User Syllabus

Time: 8 hours

Maximum Class Size: 12

Prerequisites: None

Course Description:

This 8-hour Scaffold User course addresses both the federal OSHA standards and Cal/OSHA standards for working on and around scaffolding and the differences between the two. Participants will learn to identify the tools, materials, components, and requirements for this scope of work as well as the associated hazards. In addition, participants will learn the responsibilities of the Competent Person, how to calculate the maximum height of rolling tower scaffold and maximum loads for a variety of scaffolds. Participants will also practice identifying inadequacies or violations in sample scaffolding.

Goals/Objectives/Student Learning Outcomes:

- Identify common hazards when working on scaffolds.
- Identify and avoid potentially dangerous situations regarding falls, electricity, and falling materials.
- Describe and avoid potentially dangerous situations regarding overloading, platform failure and scaffold component failure.
- Describe the OSHA standards for width and extension of platforms used as walkways.
- Identify scaffold components.
- Name the height and weight support requirements for guardrails.
- State the purpose of a GFCI.
- State the OSHA requirements for scaffolding near power lines.
- Explain how Cal/OSHA standards differ from federal OSHA standards.
- Calculate maximum height of rolling tower scaffold with height=3 x base formula.
- Compute maximum loads for light, medium, and heavy-duty scaffolds.

Standards

The 8-hour Scaffold User course addresses the following the Cal/OSHA and OSHA standards:

Cal/OSHA Standards:

- Double insulated tools 2395.45 (b)
- Guardrails 1621(a)
- Scaffold Ties 1637 (7a)

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- Planking Gaps 1644 (a) 7
- Height to Base Ratio 1646 (a)

1926 Subpart L-Scaffolds

- 1926.450 Scope, application and definitions
- 1926.451 General requirements
- 1926.452 Additional requirements
- 1926.454 Training requirements

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- Flipchart
- Markers
- LTS *Scaffold User* Student Handout Packet
- *LIUNA Scaffold User Safety* IG/PG
- *LIUNA Subpart L: Scaffold Summary* IG/PG
- *LIUNA Subpart X: Stairways and Ladders* IG/PG
- 2019 Cal/OSHA *Pocket Guide*
- *LTS Scaffold User* PowerPoint
- LTS *Scaffold User* Exit Exam A, Exit Exam B, Answer Sheets, Keys

Tools/Equipment/Other Materials

- 2- 3'x5' walkthrough frames
- 1- 5'x48" cross brace
- 3- 5' rails
- 1- 5' "gooser"
- 2- guardrail posts
- 3- 7' damaged planks
- 4- base plates and wood pads

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- 1- each: swivel clamp, u-clamp, 90-degree knuckle clamp
- 1-16" pipe

Personal Protective Equipment

- 20 pairs of gloves
- 20 pairs of safety glasses
- 20 pairs of ear plugs
- 20 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises
- Pass a written exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on "light duty" are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.