

Scaffold User Syllabus

Time: 8 hours

Maximum Class Size: 20

Prerequisites: None

Course Description:

Scaffold and fall protection violations are the most frequently cited OSHA standards in the construction industry every year and are assessed the highest penalties. This Scaffold User course enables the worker to avoid injury, protect other workers on the job, and prevent his employer from incurring the above-mentioned penalties from violations.

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.
- Inspect, adjust, and wear a personal fall arrest harness.
- Name the height and weight support requirements for guardrails.
- State the purpose of a GFCI.
- State the OSHA requirements for scaffolding near power lines.
- Calculate maximum height of rolling tower scaffold with height=3 x base formula.
- Compute maximum loads for light, medium, and heavy duty scaffolds.

Standards

1926 Subpart L-Scaffolds

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

1926 Subpart M-Fall Protection

- 1926.500 Scope, application and definitions
- 1926.501 Duty to have fall protection
- 1926.502 Fall protection systems criteria and practices
- 1926.503 Training requirements

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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

- *LIUNA Scaffold User Safety* IG/PG
- *LIUNA Subpart L: Scaffold Summary* IG/PG
- *LIUNA Subpart M: Fall Protection* IG/PG
- *LIUNA Subpart X: Stairways and Ladders* IG/PG
- "Electrical Safety-Unit 1"- Construction Industry Partnership
- "How it Happened-Victim Had Planned to Leave Job"-Laylan Connelly, Orange County Register
- "Most Frequently Cited Standards"- U.S. Department of Labor, OSHA
- "Miraculous Recovery After Man's 47 story fall"-Associated Press
- "Suspension Trauma/Orthostatic Intolerance"-U.S. Department of Labor/OSHA
- "California Code of Regulations" #1646 for tower and rolling scaffolds

Tools/Equipment/Other Materials

- Scaffold components for 3'x5' scaffold
- Fall protection harnesses
- Body belt
- Rope grab

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 12 hard hats

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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.