



Scaffold Competent Person/Builder

Course Outline

Prerequisites: This course shall have no formal pre-requisite.

Course Length: 6-8 hours – Course length shall vary depending on the number of delegates. Total course time includes breaks.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session and twenty (20) in the practical session. A second instructor shall be added for the practical session once the participation exceeds twenty (20).

Course Objective

-) Provide delegates assigned to work on or around scaffolds the necessary skills to safely perform their jobs.
-) Provide delegates with recommended practices and guidelines to perform safely while working with scaffolds.
-) Delegates should be able to demonstrate the necessary skills during practical examination and demonstrate knowledge during written examination.

Course Design

-) Power Point© / Lecture / Audio Video / Visual Aids
-) Practical Exercises

Successful Course Completion

-) Requires a minimum score of 75% or better.
-) Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
-) Delegates will have no more than thirty (30) minutes to complete the exam.
-) Successful completion of practical session is mandatory.

Course Content Summary

-) Classroom
-) Practicals

Breaks: 10 minutes (approximately every hour)

Lunch: 1 Hour



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Course Outline

About Scaffolds

-) Scaffold Regulations
-) Competent Person Definition
-) Scaffold Training Elements
-) Tagging System
 - o Green Tags
 - o Yellow Tags
 - o Red Tags
-) Common Scaffold Types
 - o Tube and Clamp Scaffold
 - o System Scaffold
 - o Rolling Tower Scaffold
 - o Frame Scaffold
-) Basic Scaffold Components
 - o Mud Sills
 - o Screw Jacks
 - o Vertical Post
 - o Support Structure
 - Runners
 - Bearers
 - Diagonal Braces
 - Clamps
 - o Working Area
 - Guardrail System, planks and platforms, ladders
-) Safe Access to a Scaffold
-) Scaffold Classification
 - o Light Duty
 - o Medium Duty
 - o Heavy Duty
-) Scaffold Load Capacity Calculation Example

Scaffold Requirements

-) Scaffold Platform
 - o Plank Requirements
 - Metal
 - Wood
 - o Securing Planks
 - o Plank Loading
 - o Wood Plank
 - Labeling/Usage



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- Allowable Spans
- Intended Load
- Integrity
 -) Allowable Knots
 -) Allowable Splits
 -) Deformations
 - Warp Table Example

Fall Protection

-) Guardrail System Requirements
 - Top Rail
 - Mid Rail
 - Toe Boards
 - Vertical Supports
-) Personal Fall Arrest System Requirements
 - Harness
 - Lanyard
 - Anchor Point
 - Vertical Life Lines
 - Horizontal Life Lines
-) Falling Objects

Scaffold Construction

-) Scaffold Erection/Dismantling
 - Competent Person Requirements
 - Safe Access
 - Material Handling
 - Use of rope to lift/lower material/tools
 - Proper knot security
 -) Tubulars
 -) Planks
 -) Tools, etc...
 - Barricading Work Area

Scaffold Safety

-) Personal Protective Equipment (PPE)
-) General Safety
-) Ladder Safety
-) Welding Safety
-) Scaffold Security
 - Rolling Scaffolds



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- Securing Scaffolds to Solid Structures
- Wind Force Example
-) Electrical Safety
-) Scaffold Inspection
 - Review Inspection Criteria

Practical Session

Practical training shall utilize 1 tier (at minimum) of scaffolding similar to the type the employee will utilize in the field.

Practical shall verify the following:

-) Select and wear appropriate PPE during practical training
-) Perform proper pre-use inspection of Scaffold and equipment
-) Remove scaffold and associated tools/equipment from service if it is unsafe
-) Identify hazards associated with scaffolds
-) React to unusual or emergency situations
-) Understand proper use of tools and equipment
-) Move material in a safe manner
-) Utilize proper fall protection
-) Determine safe scaffold platform capacity
-) Safely erect and dismantle scaffold
-) Secure materials for raising/lowering (rope knot application and usage)
-) Access/egress from scaffold properly

Training Center Provided Material

-) PPE
-) Scaffold
-) Tools

Delegate Requirements

-) None

Reference Material / Documents

OSHA 29 CFR 1926 Subpart L