

## Brick Tending Scaffold Syllabus

**Time:** 40 hours

**Maximum Class Size:** 12

**Prerequisites:** None

**Course Description:** This course enables the Bricktender to understand and avoid the possible hazards associated with working on or around scaffolding. Bricktenders will learn to erect, adjust and dismantle a scaffold. This course also addresses providing safe access to and working on platforms for bricklayers and Bricktenders.

### Goals/Objectives/Student Learning Outcomes:

- Erect scaffold platforms needed for bricklayer or masonry material
- Adjust scaffold platforms needed for bricklayer or masonry material
- Dismantle scaffold platforms need for bricklayer or masonry materials
- Identify fall hazards and falling object hazards
- Calculate maximum intended load, load carrying capacities and associated with working on a scaffold
- Describe the electrical hazards associated with working on a scaffold.
- Determine the number of scaffold parts needed to complete a specific job
- Describe two requirements for building a safe scaffold platform.
- Explain the importance of ensuring that scaffold footings are sound and rigid.
- Describe when it is necessary to tie a scaffold at regular intervals
- Calculate the minimum clearance needed to stay away from power lines.
- Describe at least three situations requiring the use of personal fall arrest equipment and falling object protection
- Explain the guardrail requirements for scaffolds established by OSHA

### Standards

OSHA 29CFR

- 1926.28: Personal Protective Equipment
- 1926.21: Safety Training & Education
- 1926.52: Occupational Noise Exposure
- 1926.150: Fire Protection
- 1926:151: Fire Prevention

## Brick Tending Scaffold Syllabus

- 1926.250(b)(7) Materials Handling & Storage
- 1926.300: Tools-Hands and Power
- 1926.450: Scaffolds
- 1926.500: Fall Protection
- 1926.55: Gases, Vapors, Fumes, Dust, & Mist
- 1926.706: Subpart Q Masonry construction
- 1926.700: Concrete and Masonry
- 1910.178: Powered Industrial Trucks
- 1910.1200: Hazard Communication
- 1926. 1050 Subpart X: Stairways and Ladders
- 1926. 1000 Subpart W: Overhead Protection

### 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 Building Frame Scaffold IG/PG
- LIUNA Subpart M: Fall Protection
- LIUNA Subpart X: Stairways and Ladders
- LIUNA Scaffold Building Tools and PPE
- LIUNA OSHA 29 CFR 1926
- Most Frequently Cited Subpart L Standards-US Dept. of Labor
- OSHA Safety and Health Topics: Scaffolding OSHA CFOI
- "Rigging Hardware" LIUNA
- Electrical Safety, Unit 1 "Construction Industry Partnership"
- "Miraculous Recovery After Man's 47 Story Fall" Associated Press"
- "Deadly Plunge: How it Happened." Salvadore Hernandez & Scott Brown; Orange County Register
- "Suspension Trauma/Orthostatic Intolerance-US Dept. of Labor
- "Scaffold-Safe Work Practices (video) Summit Training
- "Scaffold Erecting/Dismantling (video) Summit Training

## Brick Tending Scaffold Syllabus

- “Heightened Awareness: Fall Protection in the Construction Industry-AGC Education and Training Fund
- Working at Heights Safely in the 90’s-Laborers AGC
- Scaffold User Exit Exam

### Tools/Equipment/Other Materials

- 3 ft. x 5 ft. scaffold to erect in the classroom
- Full body harness
- Body belt
- Rope grab
- Scaffold Materials: Frames, bracing, planks, decks, clamps, screw jacks, etc.
- Tool belt with hammers, wrenches, nippers, levels, and tape measures
- Rotor hammer and ¼” drill bit
- Drop in anchors and eye bolts

### Personal Protective Equipment

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

### Course Requirements

To receive credit for the course, participants must:

- Be present for full forty hours
- Participate in all classroom exercises
- Pass a written exam
- Pass a hands-on 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.

## **Brick Tending Scaffold Syllabus**

### **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.