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Kagawasan Ave., Daro, Dumaguete City, Negros Oriental



TLE-IA-CARPENTRY

Quarter 2 – Module 8

TOP FIVE SCAFFOLDING SAFETY ESSENTIALS



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Quarter 2 – Module 8: TOP FIVE SCAFFOLDING SAFETY ESSENTIALS
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9/10

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What I Need to Know

After going through this module, you are expected to:

- Prepare work areas for safe laying out and assembling of scaffolds and braces.
- Assemble scaffolds and braces safely and securely.
 - Free of Interference
 - Properly balance
- Secure connectors, locks and screws.
- Select appropriate Personal Protective Equipment (PPE)



What I Know

Fill in the blanks.

Direction: Write your answer/s on your activity notebook/quiz notebook.

1. The use of guardrails is recommended for any platform _____, but this precaution is often not observed which has resulted in falls and serious injuries.

3. If _____are unsecured, overloaded or in bad condition, they can break or slide which causes many falls and injuries.
4. All components of a scaffold, including the working platforms and planks, must be carefully _____before and after use.
5. Assembling a scaffold _____or without proper attention to detail can result in serious problems.

Lesson

1

TOP FIVE SCAFFOLDING SAFETY ESSENTIALS



What's In

Write your answers in your notebook. What are the scaffolding hazards?



What's New

Top Five Scaffolding Essentials

There is no doubt, working at height carries high risk whether you're working from low-level access, podium steps, aluminum scaffold towers or scaffolding.

The risk to those working at height and those in proximity is increased even more when basic safety measures are overlooked.



What Is It

Top Five Scaffolding Essentials

1. Condition of the Scaffolding in Use

- It's important to ensure whether you're a scaffolder or the owner of the company. That all scaffolding is in a fit for purpose condition and suitable for the task at hand.
- Scaffolding accidents and fatalities have been caused by **defective scaffolding** that no longer has the structural ability or strength to do the job it was once intended to do. Scaffolding can "appear" to be in good working order, however scaffolding only has a certain lifespan.

2. Understand and Respect the Load Capacity

- Failure to know and respect the load capacity of scaffolding is one of the most common things that go wrong at the design stage. Knowing the load capacity doesn't just mean materials and equipment on the scaffold.

3. Inspect and Maintain

- Scaffolding once erected and in place, regular inspection should be carried out.

4. Ensure Scaffolding is Secured and Stable

- When scaffolding is in place to permit access to conduct works at height, it must be properly braced or tied to the building to ensure no movement and prevent the scaffold becoming dislodged and as a result unstable.

5. Training and Competency

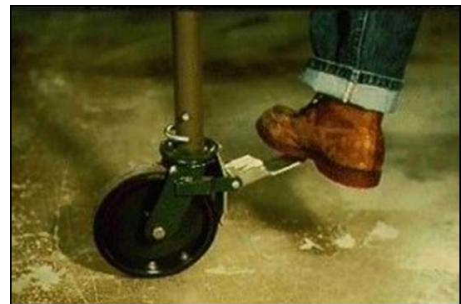
- All personnel either erecting, dismantling or working on scaffolding must be fully trained and qualified to do so.



What's More

Mobile Scaffolding Requirements

In addition to requirements for proper erection of supported scaffolds (with the exception of the requirement for a base plate and mud sill), mobile scaffold casters and wheels shall be locked with positive wheel and/or wheel and swivel locks to prevent movement of the scaffold while the scaffold is in use.



Casters shall be pinned or otherwise secured to the scaffold legs or screw jacks.

The manual force used to move a mobile scaffold shall be applied as closely to the base of the scaffold as practical, but not more than 5 feet above the supporting surface. Employees shall not be allowed to ride on scaffolds being moved unless the following conditions exist:

- The surface on which the scaffold is being moved is within three degrees of level and free of pits, holes, and obstructions.
- The height-to-base width ratio of the scaffold during movement is two to one, or less.
- Outrigger frames, when used, are installed on both sides of the scaffold.
- The force of powered systems, when used, is applied directly to the wheels and does not produce a speed of more than one foot per second.
- Employees are within the guardrail system.

Horizontal diagonal bracing is required on mobile scaffolds near the bottom and every 20 feet vertically for support and stability.

Screw jacks shall be used to level the scaffold, if necessary. Maximum extension is 12 inches.



What I Have Learned

Fill in the blanks. Direction: Supply the word or words to complete the sentence.

1. Scaffolding accidents and fatalities have been caused by _____ that no longer has the structural ability or strength to do the job it was once intended to do.
2. Scaffolding once erected and in place, _____ should be carried out.
3. Knowing the _____ doesn't just mean materials and equipment on the scaffold.
4. _____ shall be pinned or otherwise secured to the scaffold legs or screw jacks.
5. _____ is required on mobile scaffolds near the bottom and every 20 feet vertically for support and stability.



What I Can Do

After successfully performing the assigned task from what I have learned, I can follow the top five scaffolding safety essentials.



Assessment

Fill in the blanks.

Direction: Fill in the blanks with the correct word or group of words to make the sentence correct.

1. Scaffolding can “appear” to be in good working order, however scaffolding only has a certain _____.
2. _____ shall be used to level the scaffold, if necessary. Maximum extension is 12 inches.
3. When scaffolding is in place to permit access to conduct works at height, it must be _____ to the building to ensure no movement and prevent the scaffold becoming dislodged and as a result unstable.
4. The height-to-base width ratio of the scaffold during movement is _____.
5. _____ is required on mobile scaffolds near the bottom and every 20 feet vertically for support and stability.



Answer Key

What I Know

1. Higher than 5 feet
2. Scaffold electrical hazards
3. Scaffold planks
4. Inspected
5. Too quickly

What I Have Learned

1. Defective scaffolding
2. Regular inspection
3. Load capacity
4. Casters
5. Horizontal diagonal bracing

Assessment

1. Lifespan
2. Screw jacks
3. Properly braced or tied
4. Two to one or less
5. Horizontal diagonal bracing

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