

TOOLBOX TALKS

Focus Four Fall Hazards Toolbox Talk #5

How do we prevent falls from ladders?

Did You Know: In terms of source of falls, almost half of fatal falls from ladders occurred below 15 feet

[Ask the following questions and give time for answers]

What are the hazards? Falls from heights due to extension or stepladder use

What are the results? Broken bones, internal damage, death

What should we look for? Improper type, damaged ladder, improper ladder placement, ladder not tied off, ladder not extending 36" above deck, improper climbing procedures, or standing on top step of a stepladder

[Here is an example or use one from your own experience]

Actual Incident: An employee was climbing a 10-foot ladder to access a landing which was 9 feet above the adjacent floor. The ladder slid down, and the employee fell to the floor, sustaining fatal injuries. Although the ladder had slip-resistant feet, it was not secured, and the railings did not extend 36" above the landing.

[Ask the following question and ensure every item is covered]

How do we prevent these results?

- ◆ Use correct ladder type for job.
- ◆ Properly set ladder at 1:4 base to height. With feet on bottom, extended arms should touch the rung.
- ◆ Set base. Tie off ladder. Extend ladder 36" above deck or provide grabrails.
- ◆ Do not stand on top step of a step ladder.
- ◆ Use proper climbing procedures (3-point contact).
- ◆ Use equipment as it is intended.



Use this quick ladder check to assure 1:4 base to height ratio.

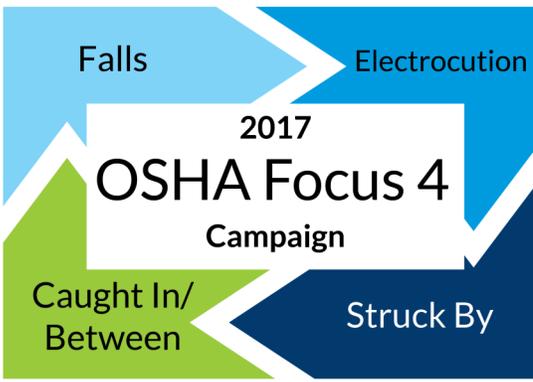
Source IUOE National Training Fund

Source Accident Analysis and Prevention 102 (2017) 136–143 Elsevier



OSHA and our construction industry partners, such as the Mid-Atlantic Construction Safety Council, have initiated a "Focus Four Hazards" campaign throughout OSHA's Region III's jurisdiction. The goal of this campaign is to raise awareness in the recognition, evaluation, and control of these hazards. Focus Four Hazards account for the vast majority of injuries and fatalities in the construction industry.





TOOLBOX TALKS

Focus Four Falls Hazards Toolbox Talk #5

How do we prevent falls from ladders? (continued)

[Ask the following questions about ladders on this site and ensure every item is covered. Try to use an actual ladder and allow workers to demonstrate proper ladder set up and use.]

Let's talk about this site now.

- ◆ Are there any damaged ladders at this site?
- ◆ How do you set up an extension ladder? Please demonstrate.
- ◆ What factors increase the risk of falls from ladders? *Improper or damaged ladder type, improper ladder placement, ladder not tied off, ladder not extending 36" above deck, climbing procedures, standing on ladder, etc.*



[Record questions below that you want to ask about this site and share them with the appropriate parties.]



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