

## **Roofing Safety** **(New Production-Type Residential >3:12 Slope)**

About 30 percent of injuries to roofers are a result of falls or slips and are likely to cause the most serious injuries. We are addressing the hazards associated with roofing on new production-type residential construction. *Red italics indicate where you must customize the content of this tailgate meeting for your job site's equipment and conditions. Discuss the following, as applicable to your job site.*

### **Fall Protection for Roof Slopes > 3:12 to < 7:12 and Eave Height exceeds 15 feet**

*Discuss how one or a combination of the following will be implemented at this job site:*

- Personal Fall Protection. *Discuss the type of system that will be used – arrest, restraint, and/or positioning – and how suitable anchor points will be established.*
- Catch Platforms. *Discuss how they will be fully planked, in close proximity below the eaves, extend at least 2 feet beyond the projection of the eaves, and provided with standard railings and toeboards.*
- Scaffold Platforms. *Discuss how the platforms will be properly installed, maintained, and fully planked near the eave level.*
- Eave Barriers. *Discuss how the railings will be properly erected, anchored/supported at eave level, and how affected employees will be protected when they are relocated.*
- Standard Railings and Toeboards. *Discuss how they will be properly erected, secured, and maintained.*
- Roof Jack Systems. *Discuss how they will be constructed so that:*
  - *They fit the roof slope and can sustain expected loads.*
  - *Spans between jacks are 10 feet or less.*
  - *Where rope supports are used, only first-grade Manila rope at least ¾ inch diameter, or equivalent strength, is used.*
  - *Wooden support members spanning between jacks is of adequate quality and at least 2x6 inches, or non-wood members are of equivalent strength.*

### **Fall Protection for Roof Slopes >7:12 regardless of height**

*Discuss how the following will be implemented at this job site:*

- Personal Fall Protection. *Discuss the type of system that will be used – arrest, restraint, and/or positioning – and how suitable anchor points will be established.*
- Catch Platforms. *Discuss how they will be in close proximity and extend at least 2 feet beyond the projection of the eaves and be provided with standard railings and toeboards.*

- Scaffold Platforms. *Discuss how the platforms will be properly maintained and fully planked near the eave level.*
- Standard Railings and Toeboards. *Discuss how they will be properly erected, secured, and maintained.*

## Discussion Questions

- What are the slopes and heights of the roofs you will be working on?
- What is the required fall protection on this job and what role do you play in implementing it?
- What should you be looking for that might indicate a problem with the fall protection system and whom do you contact if you think there is a problem?
- What else can be done at this worksite to make your work safer?

## Disclaimer

Refer to Section **1731**, as well as **1723 through 1729** of Title 8 of the California Code of Regulations for details on all of the specific requirements and particular exceptions to those requirements for roofing hazards. This Tailgate Toolbox topic summarizes Sections 1731. Refer to the Tailgate/Toolbox Topic Roofing Safety (Excluding New Production Residential >3:12 Slope) and Section **1730** for additional details if your scope of roofing work includes other-than-new or non-residential production.

This Toolbox Topic is intended as an overview and does not, by itself, qualify as the training called for by Sections 1509, 1510 and 1731. Employees must be trained to ensure specific awareness of the fall hazards associated with roofing work, including:

- Work on or near gable ends.
- Slipping hazards.
- Roof holes and openings.
- Skylights.
- Work on ladders and scaffolds.
- Access to the roof.
- Placement and location of materials on the roof.
- Impalement hazards.
- Care and use of fall protection systems.

The information provided is not meant to be either a substitute for or legal interpretation of the occupational safety and health regulations. Readers are cautioned to refer directly to Title 8 of the California Code of Regulations for detailed information regarding the regulation's scope, specifications, exceptions and other requirements that may be applicable to their operations.

Customize this toolbox safety meeting and cover the issues that pertain to the specific types of equipment and procedures at your jobsite.

Make sure you document this training and have those records readily available.

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## Resources:

- Cal/OSHA **Pocket Guide for the Construction Industry**
- Cal/OSHA **Construction Safety Orders**
  - Section **1509**
  - Section **1510**
  - Personal Fall Protection **1670**.
  - Sections **1723-1731**
    - Catch Platforms Section **1724(c)**.
    - Scaffold Platforms Section **1724(d)**.
    - Eave Barriers Section **1724(e)**.
    - Roof Jack Systems Section **1724(a)**.
  - Standard Railings and Toeboards **Article 16**.
- Cal/OSHA **Publications**
  - **Tailgate Topics**
- Cal/OSHA **Consultation Service**: InfoCons@dir.ca.gov or 800-963-9424



