



Construction Industry Fall Hazards

Hazard	Ways to protect you.....
Leading Edges	Each worker working on or near a leading edge six feet or more above a lower level will be protected by guardrail systems or personal fall arrest systems.
Low-Slope Roofs	<p>Workers on a low-slope (less than or equal to 4/12 pitch) roof that has one or more unprotected sides or edges shall be protected from falling by one of the following:</p> <ul style="list-style-type: none"> • Guardrail system; • Personal fall arrest system; • A combination of conventional fall protection system and warning line system; • A warning line system and a safety monitoring system (Note: when engaged in roofing work on low-slope roofs 50 feet or less in width, the use of safety monitoring system without a warning line system is permitted).
Steep Roofs	<p>Workers on a steep roof (greater than 4/12 pitch) that has one or more unprotected side or edge shall be protected from fall by one of the following:</p> <ul style="list-style-type: none"> • Guardrail systems with toe boards; and • Personal fall arrest systems.
Wall Openings	All workers working on, at, above or near wall openings (including those with chutes attached), where the bottom edge of the wall opening is less than 39 inches above the walking /working surface, must be protected by a guardrail system, safety net system or personal fall arrest system.
Openings	Means a gap or void 30 inches (76 cm) or more high and 18 inches (48 cm) or more wide, in a wall or partition, through which employees can fall to a lower level.
Excavations	Excavations 6 feet or more deep shall be protected by a guardrail system, fence or barricade when the excavation cannot be readily seen because of plant growth or other visual barrier. Workers at the edge of a well, pit, shaft or similar excavation 6 feet or more deep will be protected from falling by a guardrail system, fence, barricade or cover.
Dangerous Equipment or Materials	When working at any height above dangerous equipment or materials, each worker will be protected from falling into or onto the dangerous equipment or materials by a guardrail system, equipment guards or personal fall arrest system.
Holes	Each employee on walking/working surfaces shall be protected from falling through holes (including skylights) more than 6 feet (1.8 m) above lower levels, by personal fall arrest systems, covers, or guardrail systems erected around such holes. Each employee on a walking/working surface shall be protected from tripping in or stepping into or through holes (including skylights) by covers. Each employee on a walking/working surface shall be protected from objects falling through holes (including skylights) by covers.



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Covers	Covers for holes in floors, roofs, and other walking/working surfaces shall meet the following requirements: Covers located in roadways and vehicular aisles shall be capable of supporting, without failure, at least twice the maximum axle load of the largest vehicle expected to cross over the cover. All other covers shall be capable of supporting, without failure, at least twice the weight of employees, equipment, and materials that may be imposed on the cover at any one time. All covers shall be secured when installed so as to prevent accidental displacement by the wind, equipment, or employees. All covers shall be color coded or they shall be marked with the word "HOLE" or "COVER" to provide warning of the hazard.
Aerial Lifts and Self-Powered Work Platforms	Body harnesses must be worn with a lanyard, not to exceed 3 feet in length, or a self-retracting lifeline when working from all elevated mobile work platforms. The point of attachment must be the anchor point installed and designated by the equipment manufacturer. Personnel will not attach lanyards to adjacent poles, structures or equipment while they are working from the aerial lift. Personnel will not move an aerial lift while the boom is in an elevated working position and the operator is inside the lift platform. Scissor lifts and telescoping lifts that can only move vertically do not require the use of a harness and lanyard as long as the work platform is protected by a proper guardrail system and occupants do not stand on above guardrail system.

