

**Applicable Forms:**

- Fixed Ladder Inspection Checklist
- Portable Ladder Inspection Checklist
- Fall Protection Equipment Inspection Form

# Work at Heights

## Field Reference Tool



### Life Critical Expectations

#### WORK AT HEIGHTS

Protect yourself from falls when working unprotected at or above 4'

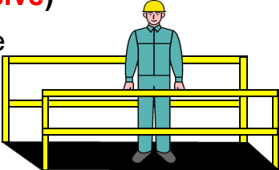
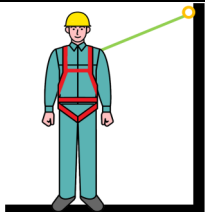

- I use appropriate fall protection equipment.
- I use sufficient anchor points.
- I maintain 100% tie-off.



### Life Critical Failure Examples

- While conducting work on a compressor engine 9' above the ground, a technician tied off to the engine using a 6' shock-absorbing lanyard. While repositioning himself, he slipped and fell, striking the ground below.
- A sand chief truck driver climbed on top of a trailer (14' above the ground) to raise the guardrails, but failed to tie off while performing the task.
- A construction worker was performing work at heights and knew that he was required to wear a fall arrest harness. While looking for a designated anchor point, he tied off to a PVC pipe, which was not a sufficient anchor point.

**Most Preferred** ← **Fall Protection Systems** → **Least Preferred**

<p><b>Guardrail (passive)</b></p> <p>Does not require the use of personal fall protection equipment.</p> 	<p><b>Fall Restraint (active)</b></p> <p>Secures the person to an anchor point to keep the person from reaching the fall hazard.</p> 	<p><b>Fall Arrest (active)</b></p> <p>Stops a person after a fall has begun.</p> 
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### Examples of Work Requiring Fall Protection

Work Activity	Fall Protection Method Options
Working on any surface that is <b>4 feet</b> or more above the lower level.	<b>Passive</b> (guard rails, covers, etc) or <b>Active</b> (Personal Fall Arrest System or Fall Restraint System.)
Working on flat bed trailers used for movement of materials/equipment that are at or greater than 4 feet above the lower level.	Fall hazards addressed through job and rescue planning.
Work on top of tanker vehicles used for fluid hauling (such as water, oil, chemical or fuel) at or greater than 4 feet above the lower level.	<b>Active</b> (Personal Fall Arrest System, Fall Restraint System) or <b>Passive</b> (Guardrail System.)
Working on vehicle mounted platforms on heavy equipment such as dump trucks, bulldozers, cranes that are at or greater than 4 feet above the lower level.	Fall hazards addressed through job and rescue planning. <b>Note:</b> If work is limited to inspection (such as checking oil prior to starting equipment) fall protection not required.
Work on platforms, walkways, or scaffolding with incomplete guardrails.	<b>Active</b> (Personal Fall Arrest System, Fall Restraint System,) or Administrative Controls with proper approval.
Erecting guardrail systems on mobile equipment or vehicles which requires accessing work surfaces or platforms at or greater than 4 feet above the lower level.	<b>Active</b> (Personal Fall Arrest System or Fall Restraint System.) <b>Fall protection is required when raising or lowering guardrail systems on equipment.</b>
Work from approved mobile elevated work platform such as man lift, scissors lift, etc.	In addition to the guardrails provided by the lift basket, personnel <b>MUST</b> use a Fall Restraint System or a Personal Fall Arrest System anchored to a point inside the lift basket. Personal Fall Arrest System, if used, is verified as appropriate for the fall distance.

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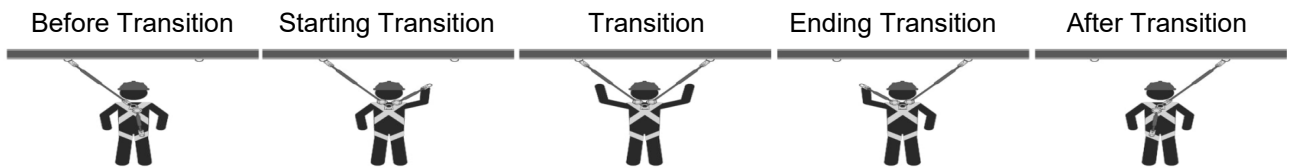
## Field Reference Tool



### Anchor Point Selection

If the Anchor is Used For:	Then it is...	Certified by a Fall Protection Qualified Person
	Non-Certified	
<b>Fall Arrest</b>	Able to support 5,000 pounds of static load applied in the directions permitted by the Personal Fall Arrest System, inspected by the user before each use; and located to prevent pendulum swing falls.	2 times max arresting force
<b>Restraint</b>	Capable of sustaining static loads applied in the directions permitted by the systems of at least 1,000 pounds.	2 times the applied load
<b>Rescue</b>	Capable of sustaining static loads applied in the directions permitted by the systems of at least 3,000 pounds.	5 times the applied load

### 100% Tie-Off



### Fall Hazard Risk Control Hierarchy

