





When is Fall Protection required?
(Sec 49 General Protection)

A fall-protection system is needed when an employee works from an unguarded work area that is:

• 3 m or more above water or the nearest permanent safe level,

or

• Above any surface or object that could cause injury to the employee upon contact, (\*\*i.e. unusual possibility of injury\*\*)

or

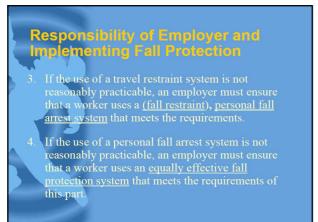
• Above any open top tank, bin, hopper or vat

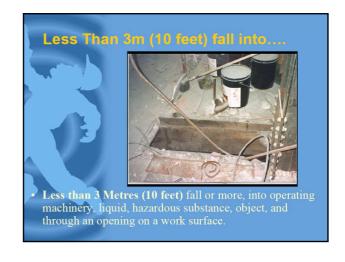
Note: An unusual possibility of injury is when there is a chance the injury may be worse than an injury from landing on a solid, flat surface.

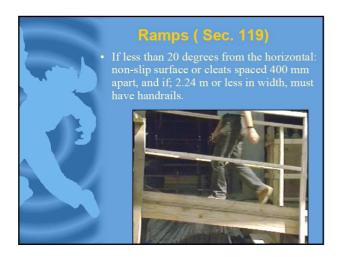
Responsibility of Employer and Implementing Fall Protection

1. An employer must install an engineering control such as a guardrail.

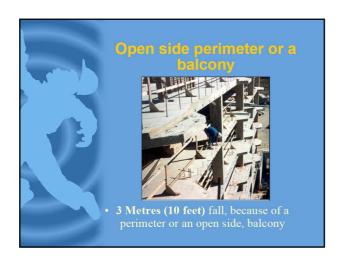
2. If the use of a guardrail is not reasonably practicable, an employer must ensure that a worker uses a travel restraint system that meets the requirements.









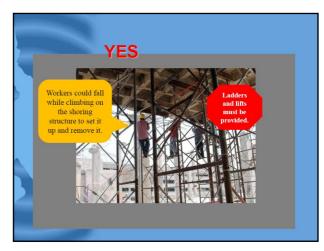




























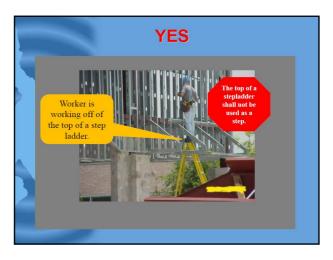




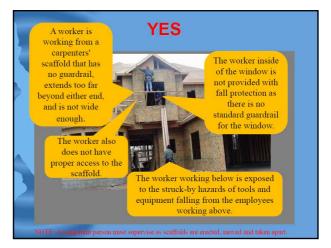










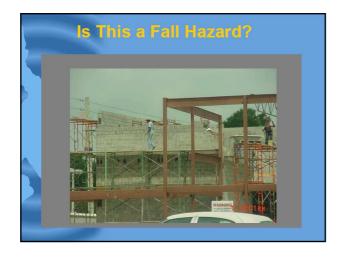








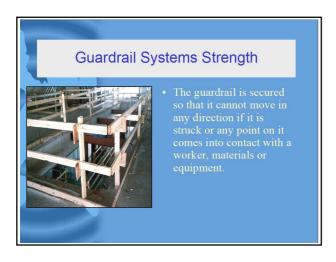














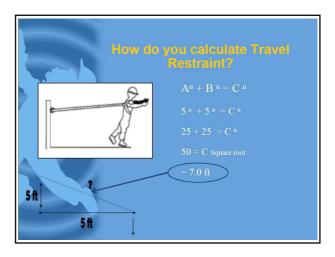








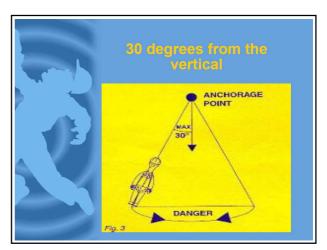




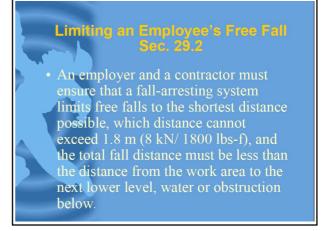




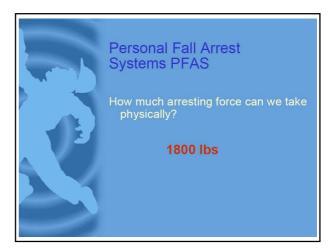




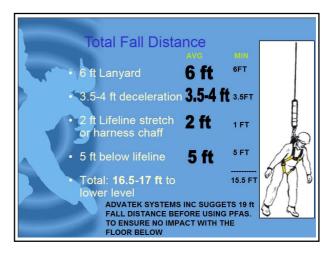








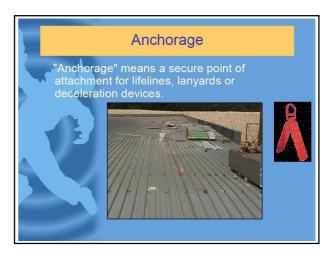


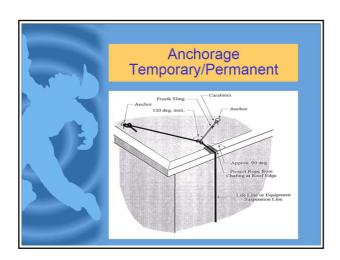


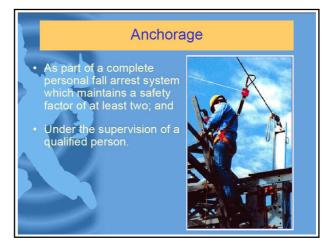






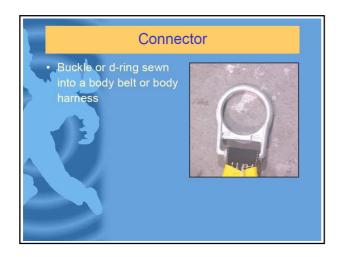


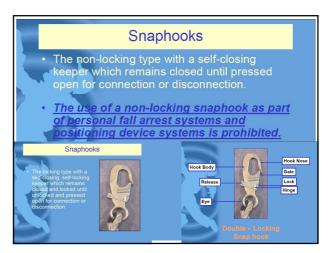


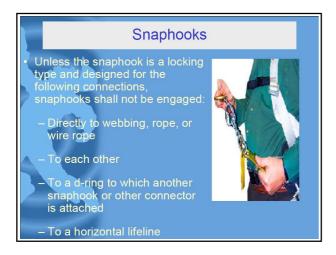








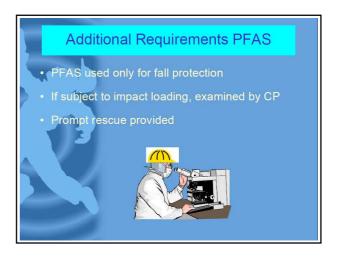


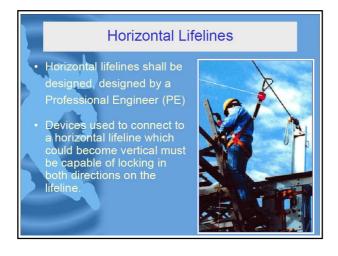


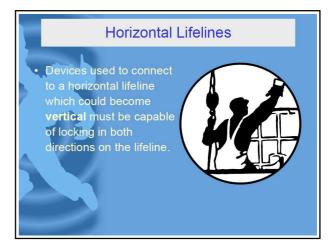


Deceleration Distance

"Deceleration distance" means the additional vertical distance a falling employee travels, excluding lifeline elongation and free fall distance, before stopping, from the point at which the deceleration device begins to operate.













## NUMBERS TO REMEMBER ON FALL PROTECTION

- Guardrail height 0.90m to 1.07m (must have top & mid rails & posts)
- Using a PFAS the best fall distance is 4.7m (15.5ft)
- Using a PFAS the average fall distance is 16.5ft 17ft
- Fall restriction limits falls to 0.6m (2ft)
- Human body is prone to injury after 1800lbs of force
- Near holes or openings fall protection starts at 0m
- Order of preference for Fall Protection
  - Guard Rails
  - Travel Restraint
  - Fall Restriction
  - Personal Fall Arrest System
  - Other (safety nets, spotters)