

Fall Protection – Picture This



2009 **FALLS = +212,760** **605**
Workers Seriously Injured Workers Killed

302 FATAL FALLS
to Lower Level



2013

828
Total Fatalities
in construction

2014

Out of 874
Total Construction
Fatalities

337
were falls

Fall Protection

NUMBER ONE
OSHA
Violation

2011
2012
2013
2014
2015



FALLS Leading Cause
OF DEATH
IN THE CONSTRUCTION INDUSTRY

OSHA Rules on Fall Protection

Employers must provide
**SAFE, SECURE
FALL PROTECTION**
where workers are exposed to
falls from the following heights:

4'
In General
Industry
Workplaces

5'
in
Shipyards

6'
In the
Construction
Industry

8'
In
Longshore
Operations



Employees working on a surface with an
**Unprotected Side/Edge
that's SIX FEET or more**
above a lower level must use fall protection

6'+



Guardrails Safety nets Personal fall arrest systems

Vertical Lifelines

or lanyards must have:

5k

a minimum breaking
strength of 5,000 pounds



be protected against
being cut or abraded.

Each employee **MUST** be attached to:
- a separate vertical lifeline
- anchor points capable of
supporting at least 5,000 lbs
per employee attached



Other Key Numbers

Guardrails & Handrails



Handrails must be: **30"-34"**
Above the
Surface
Securely Fastened
to or mounted on
a wall or partition

Guardrails must include:
Top Rails **42" High** Posts
Midrails

Toe Boards

Toe boards must be:
No more than **1/4"** Clearance
the above floor level
Be Securely
Fastened
in place
At Least **4" HIGH**

Proper Scaffolding

Scaffolds must be at least
10 FEET
from electrical power lines at all times.

Scaffolds must
be structurally sufficient to
support its own weight, plus
**4X MAXIMUM
INTENDED LOAD**
without settling
or displacement



Height should be
no more than **4X** its
minimum base dimension
at that point, it should be restrained by
guys, ties, or braces to prevent tipping

Safety Net

May be used
up to a distance of



**25 FEET
BELOW**
the working
surface

Fixed Ladders

Cages, Safety
Devices, or
Self-Retracting
Lifelines must be
used when climb
is less than 24',
if the top of the
ladder is more
than 24' above
lower levels.

Fall protection must
be used when the
employee's climb is
**24 FEET
OR GREATER**



SUPPORTED SCAFFOLDS:

Fall protection can
be either a personal
fall arrest system or
a guardrail system.

10'+
Fall protection must
be used on any scaffold
10 feet or more
above a lower level.

18"
Platforms & walkways
should be at least
18 inches wide.

SUSPENDED SCAFFOLDS:

OSHA requires both
a personal fall
arrest system &
a guardrail system.

18"
Platforms & walkways
should be at least
18 inches wide.

<14"
No more than a 14"
gap between scaffold
platform & the structure
being worked on.