

# **LADDERS**



### Am I in danger?

If you use a ladder on a construction site, then the answer is **YES**.

Falls are the leading cause of deaths and injuries in the construction industry.

- Each year, more than 4,000\* construction workers are injured so seriously by ladder falls that they miss work.
- Each year, more than 70\* construction workers die in falls from ladders.



PHOTO COURTESY OF ROBERT CARR, PH.D., P.

### **Electrocution Hazard**

#### Falls aren't the only way to get hurt on a ladder!

Contact with overhead power lines can be fatal. Make sure your ladder is positioned at least 10 feet away from power lines.

Aluminum conducts electricity. A fiberglass ladder is a better choice when working near electricity.



\*Source: Dong SX, Wang X, Katz R, West G, Bunting J. 2017. Fall hjuries and Prevention in the Construction Industry http://www.cpwr.com/sites/default/files/publications/Quarter1-QDR-2017.pdf

#### To learn more visit:

- www.StopConstructionFalls.org
- OSHA's eTool: Falls Ladder Safety http://bit.ly/eToolsFallsAndLadders
- NIOSH Resources & Ladder Safety App http://bit.ly/ ResourcesAndLadderApp

To get more of these Hazard Alert cards and cards on other topics, Call 301-578-8500 or visit www.cpwr.com

### To avoid a fall ...

## Inspect the ladder before every use

- Inspect the rails, rungs, feet, and spreaders or rung locks for defects or damage every time you use a ladder.
- If you see any damage, **tag it** "do not use" and request another ladder in proper working order.
- Always check your ladder's duty rating to make sure it will support you and your toolbelt!



Not every defect is this obvious

## Position your ladder properly For all ladders:

- Make sure you have a level, solid footing for your ladder.
- Position the ladder near your work to avoid overreaching.

#### For extension ladders:

- Set the base one foot away from the building for every four feet of height.
- Tie off the ladder at the top and bottom where possible!

The minute you take to tie off could save your life.

### Use the ladder safely

- Maintain three-point contact with the ladder at all times: two hands and a foot or two feet and a hand.\*
- Do not use the top step/rung of a ladder unless it was designed for that purpose, or stand on the top three rungs of a straight, single, or extension ladder.\*
- Have a co-worker hold the ladder to steady it as you climb up and down.
- Always face the ladder when moving up or down.
- Do not carry tools and materials while climbing. Use a rope to haul or hoist materials to the upper level.

\*Source: OSHA Quick Card, https://www.osha.gov/Publications/portable\_ladder\_gc.html



## Is a ladder the right equipment for the job?

For **work at heights,** consider using a **scaffold** or **aerial lift.** The wider work platform and guard rails can reduce your risk of falls.

PHOTO COURTESY GREATER PA REGIONAL COUNCIL OF CARPENTERS

If you think you are in danger:
Contact your supervisor.
Contact your union.
Call OSHA
1-800-321-OSHA