

## Beyond My Reach – Use of Ladders, Scaffolding, and Genie Lift

### Portable Wooden Ladders: 29 CFR 1910.26

- No sharp edges
- No splinters
- No decay, shake or irregularities
- Steps: Uniform spacing no more than 12” apart

### Portable Wooden Stepladders

- Type I: Industrial - Heavy Duty – up to 250 lbs. (I-A up to 300 lbs.)
- Type II: Commercial - Medium Duty - up to 225 lbs.
- Type III: Household Stepladder (3 - 6 feet) - **not for use on this campus**

### Portable Wooden rung ladders:

- Single section < 30 feet.
- Two section < 60 feet.
- Section Ladders:
  - Trestle and extension: each section < 20 feet
  - Painters stepladders < 12 feet
  - Masons ladder < 40 feet

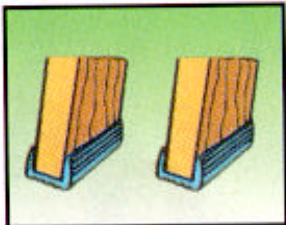
### Maintenance of Wooden Ladders:

Good condition - Tight steps and side rails connections, movable parts operate freely

- Frequent lubrication of metal bearings
- Ropes replaced when worn or frayed
- Safety feet must be functional
- Rungs must be free of grease and oil
- No repairs can be made to broken or missing steps, rungs, cleats,

### side rails

**Inspections must occur and all those ladders which do not meet these conditions must be labeled “Dangerous, Do Not Use” – these ladders must be rendered non-usable.**



### Electrical Work: 29 CFR 1910.333

If a ladder is used where it COULD be exposed to electricity, it MUST have NONCONDUCTIVE side rails (wood or fiberglass). No metal ladders near electricity – including changing light bulbs!



### **Portable Metal Ladders 29 CFR 1910.27**

No burrs or sharp edges

Steps: 12" on center

Steps must be corrugated or skid-resistant.



#### Stepladders < 20 feet

Bottom 4 rails must be coated with insulating non-slip material

#### Maintenance of Metal or Fiberglass Ladders:

“Good working condition”

Inspection required immediately following:

Tip over

Exposure to oil or grease (must be cleaned)

**Ladders with any safety problems must be removed from service and tagged until repaired or destroyed.**

#### **General Use Rules for all Ladders and Scaffolding:**

- Don't place in front of doors
- Only one person
- Don't place on top of boxes, books, etc.
- Always face the ladder
- ***Do not use top two steps of a stepladder or top four rungs of an extension ladder (must extend 3 feet above roof top).***
- Cannot use sections of sectional ladders as single ladders
- Slipping hazards require use of nonslip bases (extension ladders must be lashed!!!!) Base must have secure footing.
- Extension ladders: Rule #1: 4 (up) to 1(out) Rule
- No horizontal use of ladders.
- Set up on level surface, whenever possible. Use leg levelers, if not.

**IT IS THE RESPONSIBILITY OF THE EMPLOYEE AND THEIR SUPERVISOR TO MAKE SURE IT IS THE RIGHT LADDER FOR THE JOB AND THAT IT IS IN GOOD WORKING CONDITION!!!**

#### **Scaffolding: 20 CFR 1910.28**

1. Never ride on a rolling tower.
2. Do not use ladders, boxes, lashed poles, planks or climb on crossbraces to extend height or reach.
3. Double-rail guarding is required for scaffolding 10 feet or higher (if scaffolding < 45" wide, required at 4 feet high)
4. Full decking of all work levels is required. If planking is used (never on a rolling tower), it must be of planking grade and secured.
5. Inspect scaffolding annually and prior to each use for slippery surfaces, bends, dents or cracks, or other safety hazard.

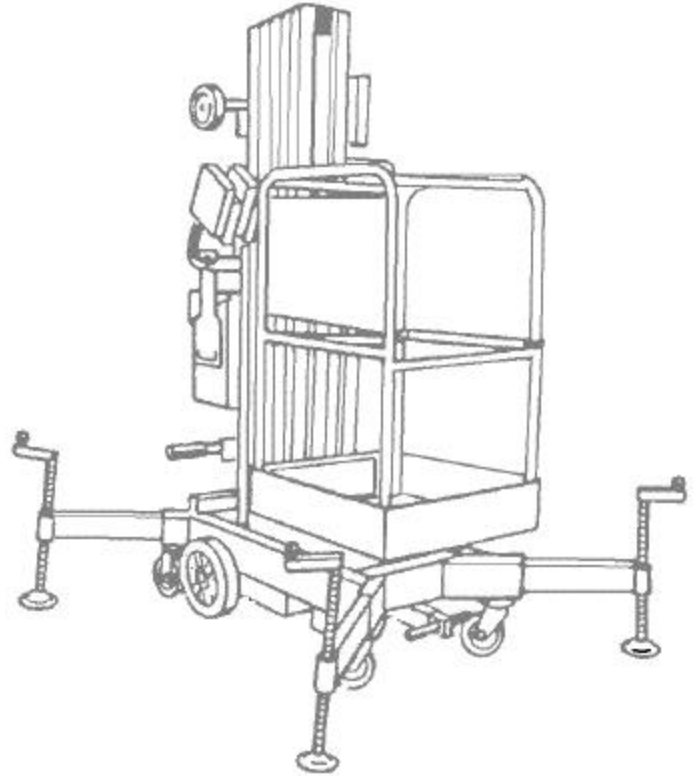
### **Use of Genie Lift:**

Prior to operating Genie Lift, you **must**:

1. Be trained to safely operate the machine by your supervisor.
2. Read and understand the manufacturers' instructions and safety rules
3. Inspect the entire machine for possible damage.
4. Test all machine functions for proper operation.
5. Review situation to determine how best to set up lift to accomplish the job.

### The Genie Lift Dos and Don'ts

1. **Do** read all manufacturers instructions.
2. **Do** ask your supervisor if you have any questions.
3. **Do** limit load capacity to 300 pounds and only one person.
4. **Do** realize that a fall from the raised bucket can result in serious permanent injury.
5. **Do** keep both feet firmly on floor of platform.
6. **Do** keep platform floor free of debris.
7. **Do** not set up lift on uneven surface.
8. **Do** not relocate without additional help.
9. **Do** use with GFCI extension cord.
10. **Don't** move machine while bucket is raised.
11. **Don't** use lift to raise heavy equipment loads.
12. **Don't** lean ladders against lift.
13. **Don't** adjust outriggers when platform is raised or occupied.
14. **Don't** sit, stand or climb on bucket walls.
15. **Don't** exit bucket while raised.
16. **Don't** use machine outdoors in inclement weather (rain and snow will create slip hazards, wind will increase sway!)
17. **Don't** use near electrical lines – it is not insulated.
18. **Do** lower the bucket immediately if sway becomes a problem for you. Contact supervisor for assistance.
19. **Do think about the situation – you are responsible for your safety!**



**OPERATE GENIE LIFT ONLY IF OTHER TRAINED PERSONNEL ARE IN THE IMMEDIATE AREA!! IT IS THE RESPONSIBILITY OF THE EMPLOYEE AND THEIR IMMEDIATE SUPERVISOR TO ENSURE GENIE LIFT IS USED AND MAINTAINED SAFELY!!**