

Slips, Trips, and Falls; Hazards and Best Practices



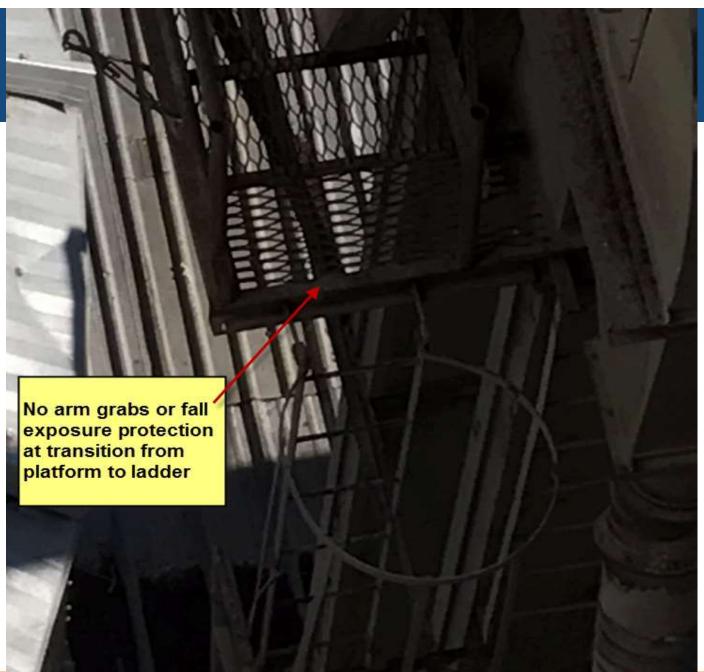
SIF = Severe Injury or Fatality

 Hazards identified as "SIF" have the potential to cause <u>fatalities</u> or <u>severe</u> <u>life changing injuries</u>

Frequency of Slips, Trips and Falls

- Overwhelming majority of general industry accidents stem from slips, trips and falls
- Statistics: Approx. 15% of accidental deaths are from slips, trips, and falls
- Approx. 20% of workplace fatalities disabling injuries and days away injuries in general industry result from slips, trips and falls
- Walking Working Surfaces Standard among most frequently cited standards every year





Ladder Transition - SIF



Grain Bin Top - SIF



Service Platforms - SIF



Floor Hole - SIF

This is a floor hole that is not guarded. A person could accidentally step into hole and fall.

Also an object can be kicked through the hole and fall on someone at a lower level.

A hole like this should be within an inch of the spout and protected with a toe board.



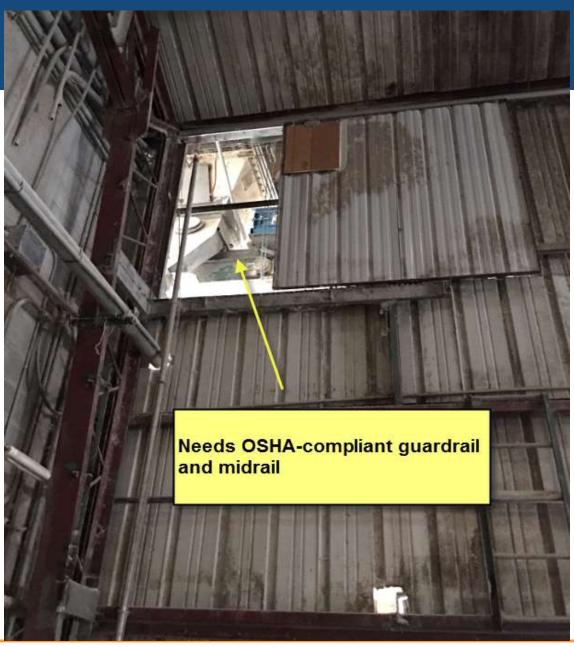
Grain Bin Tops - SIF



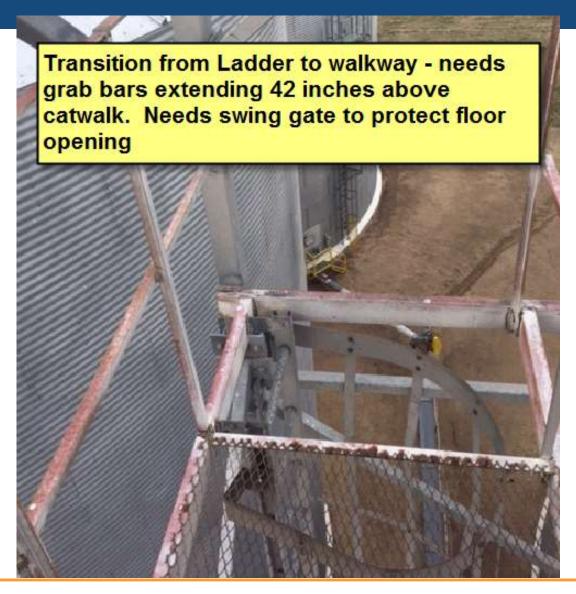


Flat Rooftop – Fall To Ground - SIF





Catwalk – Ladder Transition



Floor Hole - SIF

Unguarded floor hole - a person could accidentally step into hole and fall.



Bin Top - SIF



Anyone servicing the motor on this platform needs to step over a floor opening with a fall to the bin top below



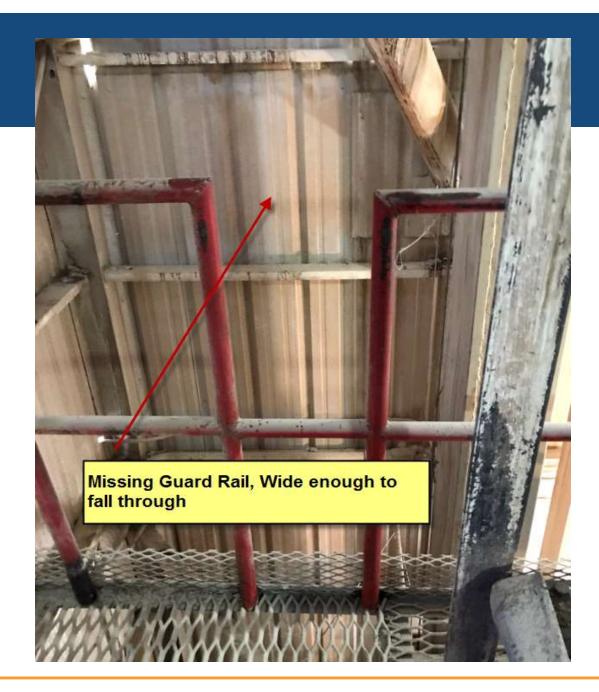
Work Platform - SIF



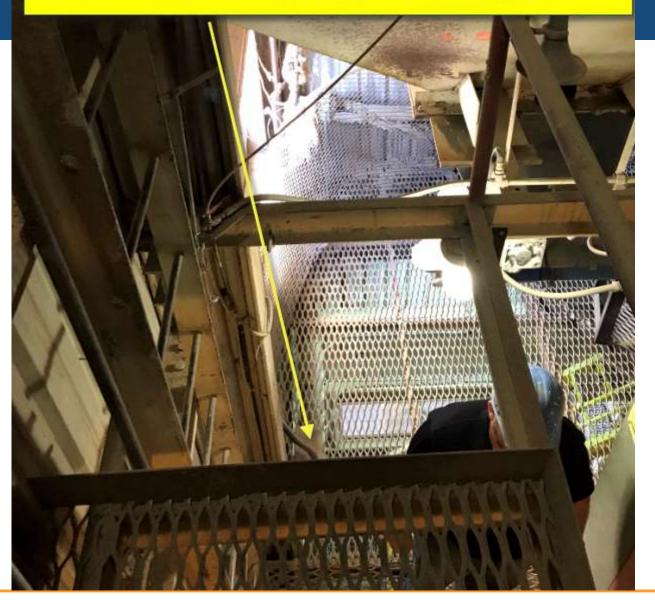
Ladder Transition



Guardrail



Service Platform has no guardrail. Fully exposed to fall to next level. This also a hazard to person walking below



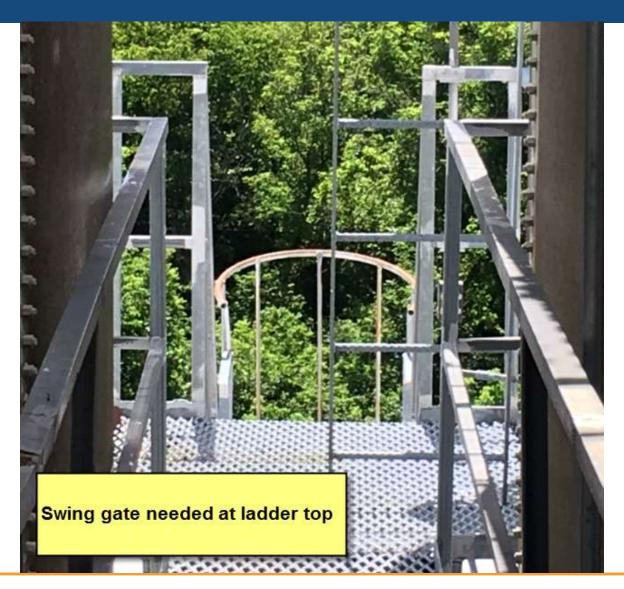
Fall Exposure

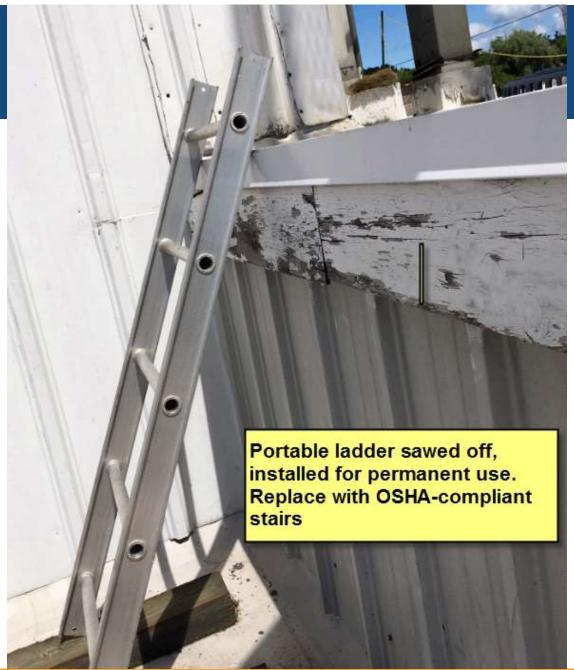


Ladders and Walkways

Ladder access is blocked by conduit and extra rungs. A ladder swing gate is proper to protect the opening and should be added. The obstructions should be rerouted or removed.

Ladder Top Transition

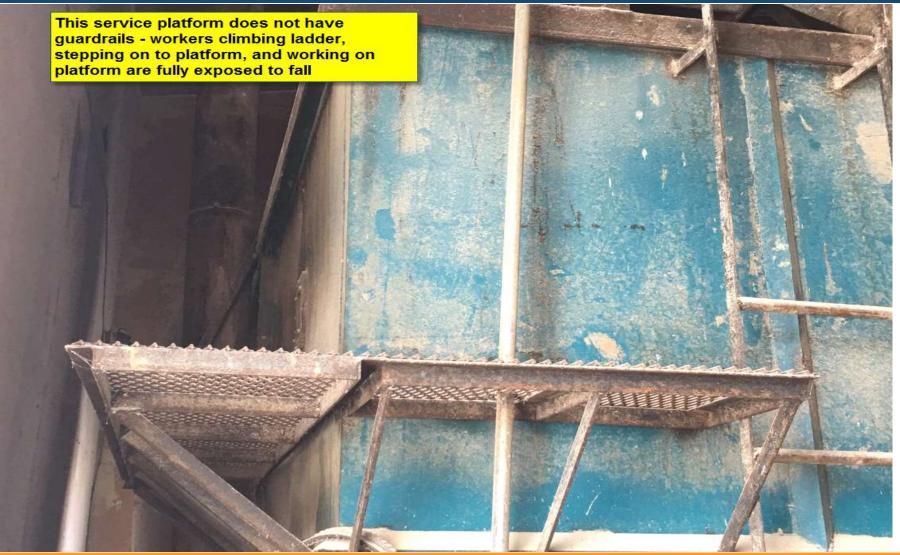




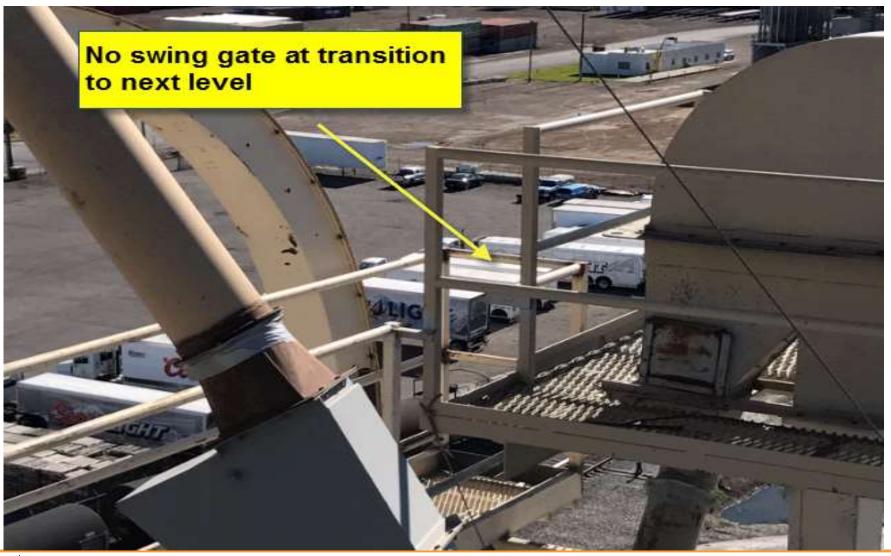
Portable Ladders



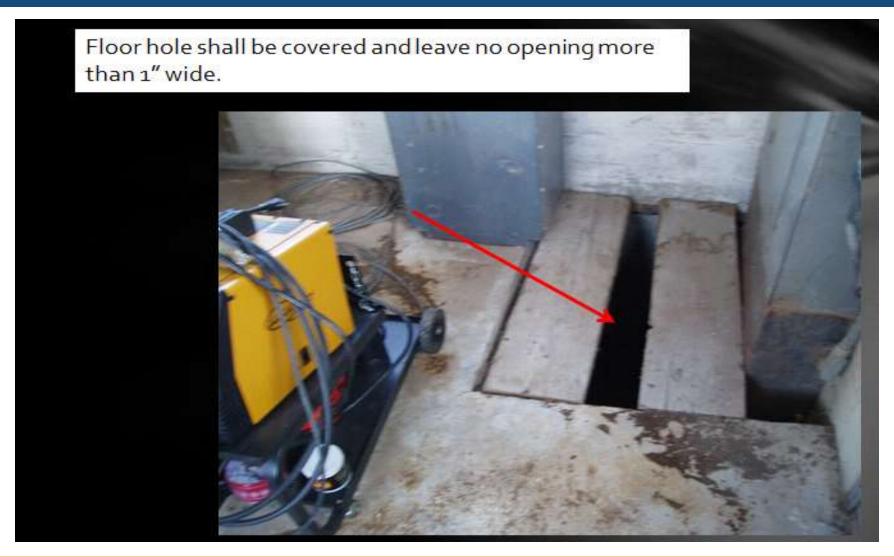
Service Platforms



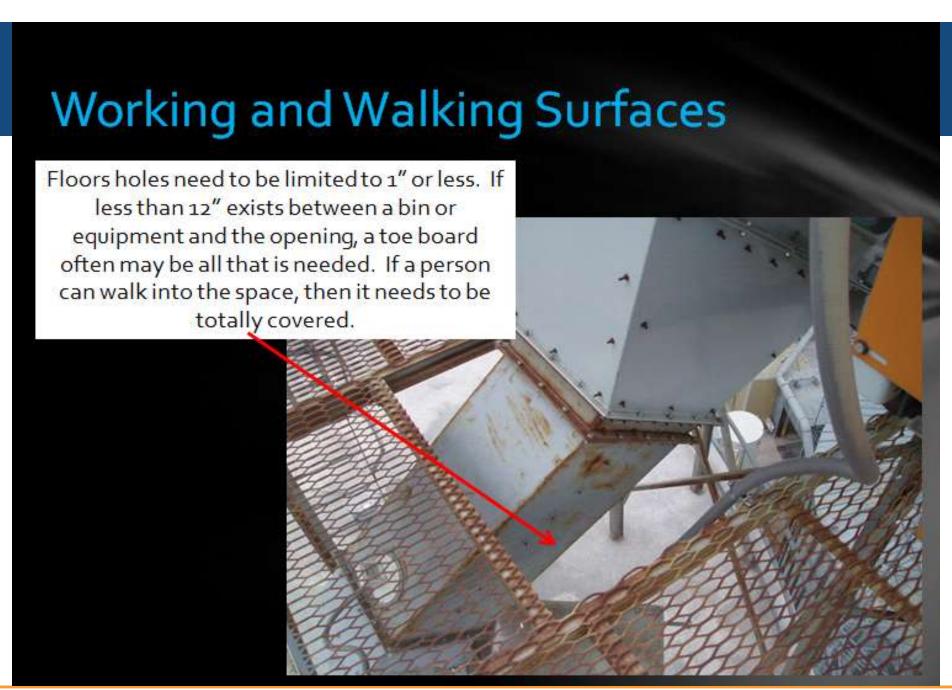
Elevated Work Platforms



Walking and Working Surfaces

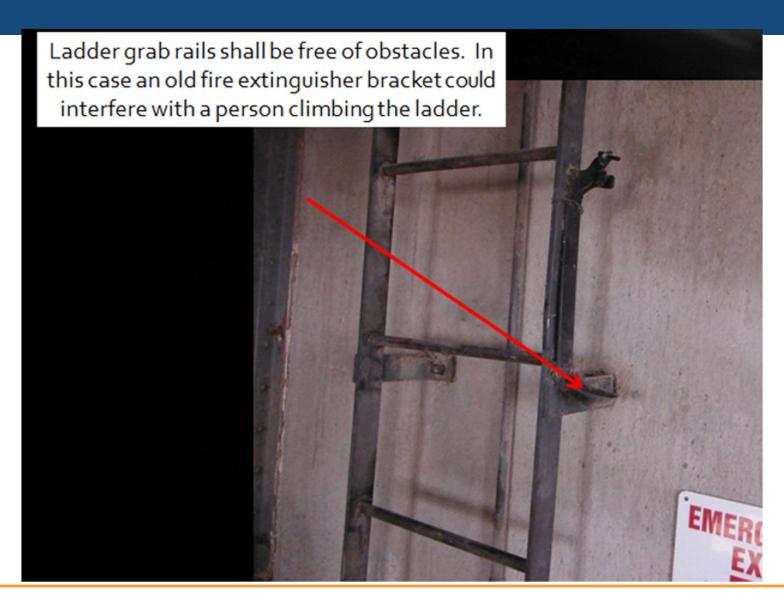






Flat Rooftop – Elevation Change





Working and Walking Surfaces

Platforms need a swing gate or equivalent on the open side. In this case it is over 4' and requires the fall protection gate.



Portable Ladders

A piece of old fixed ladder is being utilized as a portable ladder. A proper portable ladder with slip resistant feet, proper labeling, etc. should be utilized. This piece of ladder should be disposed of.

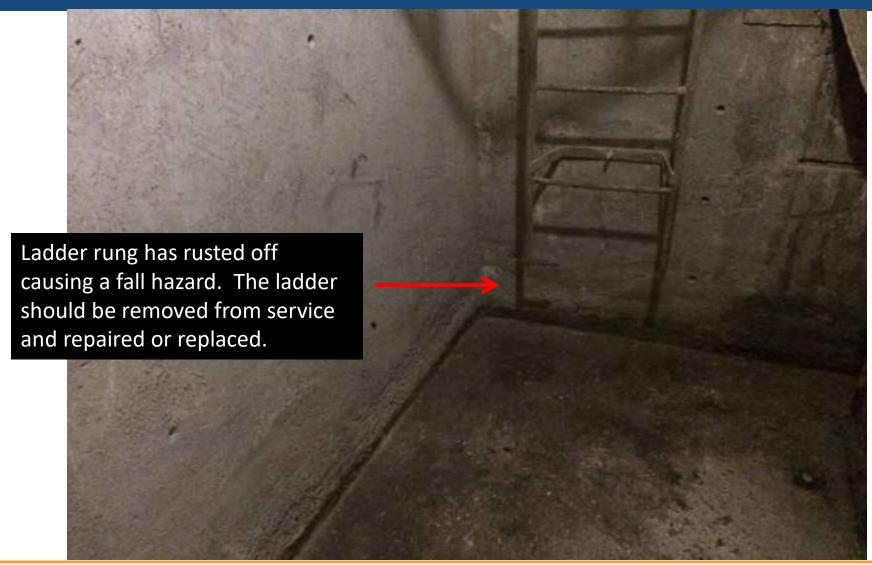


Walking Surfaces

Ladderways, stairways, walkways, etc. need to be kept free of trip hazards. In this case an air hose creates a trip hazard.



Working and Walking Surfaces

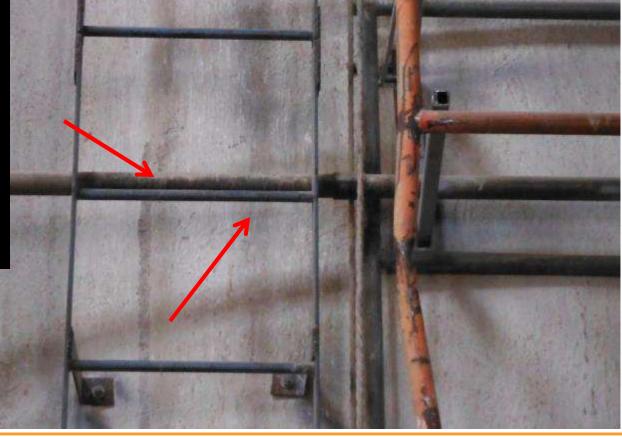


Working and Walking Surfaces

Ladder rung has been fouled. User would now be using a conduit as a ladder rung.

7" clearance is the typical toe clearance to be maintained on ladders. If unpreventable, there are a few special circumstances outlined in standards.

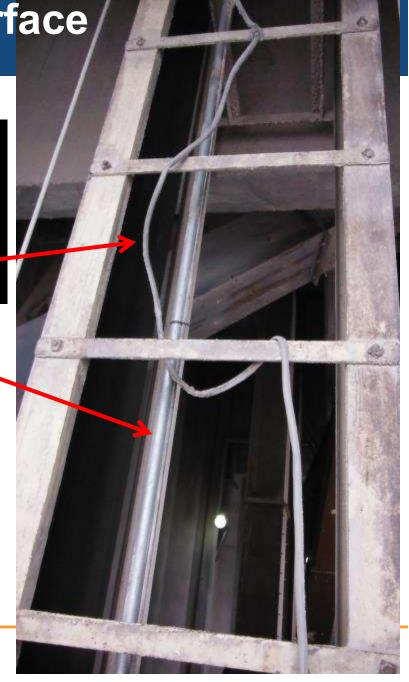
Emergency use only ladders also have exceptions if labeled properly.



Working and Walking Surface

This electric cord is a trip hazard, and electrical conduit is within 7 inches of ladder.

OSHA requires a minimum of 7 inches clearance behind ladder rungs so feet can be firmly placed while climbing.

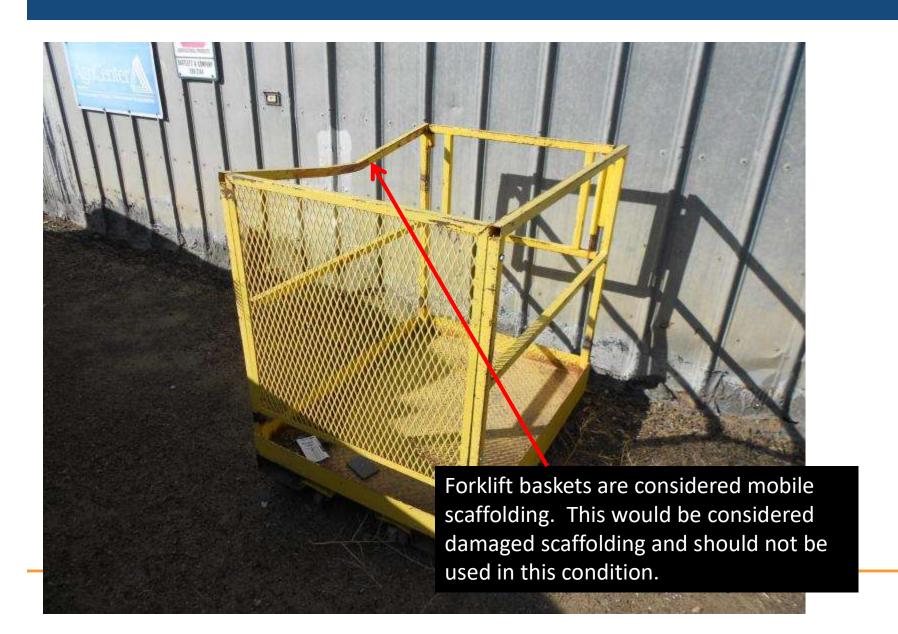


Fixed Ladders



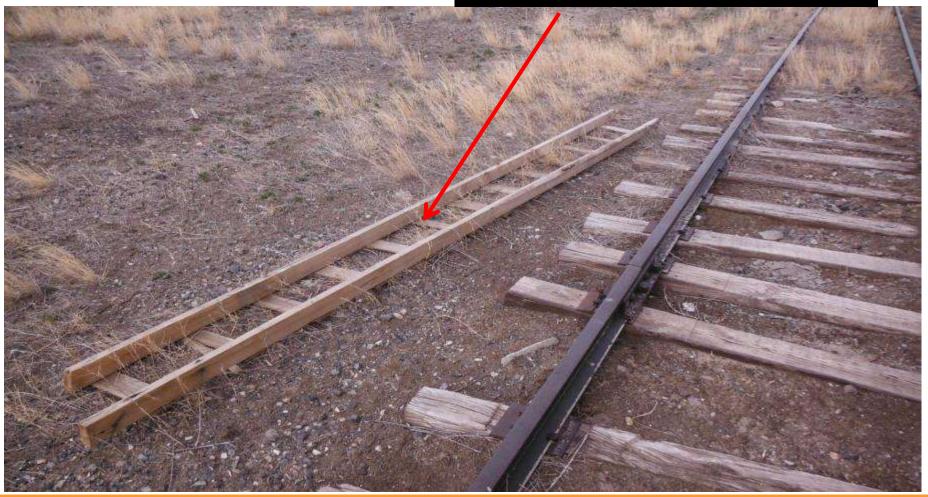
This ladder has bent rungs. Rungs need to be repaired or ladder replaced..

Forklift Baskets



Portable Ladders

Wooden ladder is defective and does not meet any of the wood ladder specs for rung type, width, spacing, etc. It shall be disposed of.



Stairs

Open sides stairs require a mid –rail. This has a missing mid-rail.



Stairs

Closed stairs still require a handrail.
Usually it is on the right-hand side in the down direction.



Slip - Loose Material

Loose material on smooth surface.

Action:

Sweep up loose material



Trip – Hoses and Cords



Hoses and cords are loose in walkway

Action:

Manage so not in walkway OR put in access barrier

Slip – product on floor



Ingredient accumulation on floor is a slip hazard

Action:

Sweep up spills immediately as they occur

Slip and Trip



Can trip on metal bar or slip on wet/rotting grain

Chances of injury **INCREASE** when we "stack up risks"

Clutter



Look at what you have to trip over if you need the shovel in the back!

Action: install hand tool rack on wall and hang tools on the rack

Obstruction In Walkway



Obstruction just in front of a storage cabinet

Someone tripped on this seconds before the picture was taken!!

Trip – Elevation Change



Elevation change as you walk into / out of a shed

Action: Paint yellow for visibility at minimum. Consider ramp or stairs if feasible

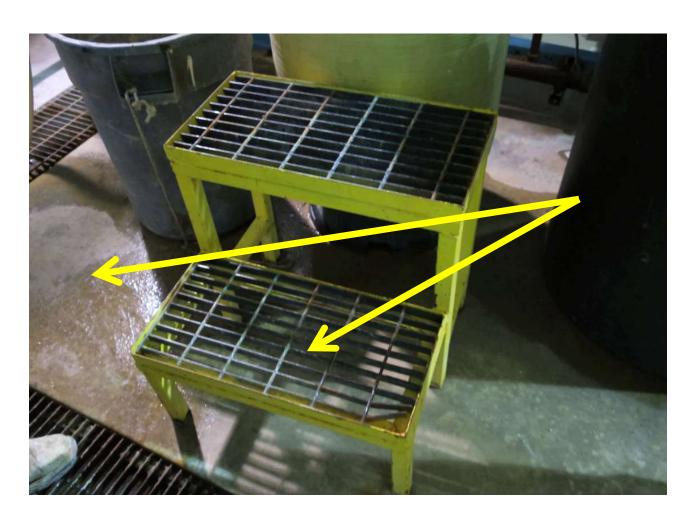
Oil leaks



Oil is leaking onto walking pathway

Action: REPAIR LEAK - - otherwise you have to clean this up over and over

"Stacking Risk" – slip + trip



Chance of injury <u>INCREASES</u> when there are <u>multiple</u> <u>S/T/F hazards</u> at play

Stairs are uneven, and there is water on the smooth floor surface

Walkway Obstructions



Bolt ends stick out into walkway – trip and laceration hazard

Action: SHORTEN BOLTS so that they are out of the walkway. They don't need to be this long

"Stacking Risk" - Transition + Floor Hole



Action: Install threshold to connect the transition between the walking surfaces

Transition between walking surfaces with a floor hole in between – trip hazards coming and going!

Tools/Clutter On Catwalk



This catwalk is 40 feet above the ground

What is the SEVERITY of this trip hazard?

Tools on catwalk

Tools/Clutter On Catwalk



Clutter on elevated walking surface is a severe hazard

Think about a person stumbling after tripping over these things

Thank You

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