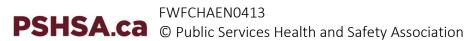


WORKING AT HEIGHTS - ELEVATED WORK PLATFORMS (LIFTS)

CHECKLISTS

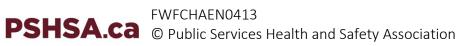
SAFET	TY PRECAUTIONS		
	Wherever possible, overhead power lines should Before leaving the machine unattended, lock or of Keep platform load below maximum rated working Make sure that all controls are labeled with action Keep guardrails in good condition and make sure moving platform. Shut of power and insert required props before so Never remove guardrails when platform is raised Don't jam controls through neutral to reverse directly Move control gradually, pausing slightly in neutral Deploy stabilizers or outriggers according to man Position boom in line with direction of travel when Keep ground personnel away from machine and Never allow workers to walk the boom to get on Never try to move, push, lift, or free the machine Make sure that extension cords are long enough Operators should know how boom orientation and as warning and caution signs on the machine Operators should know applicable regulations and Training must be provided for each make and more control of the state of the second of the second of the machine of the second	otherwising load (on and diethat characterion of the end of the en	e prevent its unauthorized use. (RWL) — preferably below 2/3 of RWL. rection. ain or gate at opening is secure before machine or checking for problems. f movement or operation. fer, smoother operation. er's instructions. cossible. a under platform or bucket. be platform or bucket. coping the boom. a the expected platform eight. ander of gravity and load on wheels as well
	-		
	TY AROUND POWER LINES		
	s check for overhead power lines before moving the of approach around live electrical wires and equip		ine or the platform. Observe regulated
	AGE RATING OF POWER LINE 750 to 150,000 volts 150,001 to 250,000 volts over 250,000 volts		IUM DISTANCE 3 meters (10') 4.5 meters (15') 6 meters (20')
	OR LIFTS Check platform/ guardrails — Guardrails in place; control panel secured, access ladder in good condition.		Check tires for inflation when applicable. Check level of hydraulic oil in reservoir. Check lug nuts on wheels.





	missing parts; no visible damage; tie rod end studs locked.		Check ground control panel - switches operable; no visible damage; placards secure and legible. Check hydraulic supply lines/cylinders — no leaks; no loose or unsecured hose; hose guards in place/undamaged. Check platform control panel — all controls operable; undamaged; placards secure and legible. If equipped with outriggers or stabilizers,
			check cylinders for leakage or cracks.
BOO	M-TYPE MACHINE		
	1		Check ground control panel switches
	or missing parts or visible damage. Lock pins in place.		operable; placards legible; no visible damage.
			Check counterweight – properly secured.
	properly secured; no damage to guards,		Check exhaust system – no leaks or
	hoses, and cables.		damage.
	Check drive motor and brake shields –		Check air filter – oil in bowl clean and
	securely bolted in place; no leaks or		pre-cleaner free of dirt.
_	missing hardware.		Check battery – proper electrolyte level;
	9	_	cables tight with no corrosion.
	evidence of leakage. Check tires and wheels – no cut tires;	Ц	Check hydraulic oil level – full on dipstick with all systems shut down and boom
	tires properly inflated; no missing lug		stowed.
	nuts; no leaks; no rim damage.		Check hydraulic oil filter – indicator at
		_	proper position with engine at full
	damage; no loose or missing hardware.		throttle and oil
	Check fuel supply – adequate fuel, filler		warmed up.
	cap in place; no damage, leaks or spills.		Check turntable and pinion – evidence of
	1		lubrication; no loose or missing hardware
_	hydraulic or electrical lines.		or damage.
Ш	'	Ц	Check boom – no visible damage; wear
	properly secured and lubricated.		pads secure.
	Check lift cylinder – rod end shaft properly secured.	Ц	Check platform pivots and cylinders – pins properly secured with evidence of
	Check tie rods and linkage – no visible	П	lubrication; no cylinder leaks.
	damage, loose or missing parts; no		Check platform control console –
	steering cylinder leaks.	_	switches/levers secured; free to return to
			neutral position
	with filler cap secured.		Check for loose or missing parts – no
			visible damage.





☐ Check exte	ending axles – axle lock pins	Check placards. All placards and
properly ir	nstalled; no leakage; no loose	instructions must be secure and legible
☐ or missing	parts; no visible damage.	Tying-of – Workers must tie of to
		manufacturer's specifications



Ladder Safety - Follow the "Basics" to Reduce Incidents

We've likely all been exposed to the "Basics" of ladder safety. Over the years bad habits may develop when we use ladders incorrectly without incident. Sadly, incidents do happen regularly due to improper ladder use. In 2014 there were 157 Lost Time Injuries reported to the WSIB that were a direct result from ladder use. Training/re-training of workers on ladder use, preferred methods, maintenance, storage and legislation can have the positive effect of changing our bad habits into good ones and reducing ladder use incidents.

BAD HABITS = POTENTIAL FOR INCIDENTS:

- Using the wrong type of ladder for the job.
- Not properly securing the ladder (tied off, held).
- · Overreaching resulting in loss of balance.
- Setting up a ladder on an uneven surface resulting in the ladder tipping over sideways.
- Using ladders on slippery surfaces resulting in the ladder feet slipping outward.
- Using damaged ladders (broken rungs/deformed or cracked side rails/loose connecting parts) resulting in the ladder collapsing.

- Using ladders near doorways that could open and strike the ladder.
- Ladders collapsing on themselves due to damaged components, too much weight or step ladder spreader bars not being fully engaged.
- · Leaning step ladders against walls (unfolded).
- Using ladders where they might contact live overhead wires.
- Leaving ladders out in the workplace as potential trip hazards.
- Using ladders in poor weather conditions.

GOOD HABITS = PROPER LADDER USE:

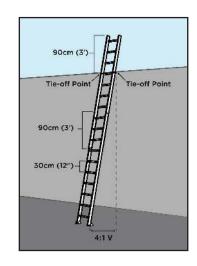
- Use the right ladder for the job. Whether it be a step or extension ladder, ensure it is the proper length. The
 maximum length of a ladder measured along its side rail must not exceed:
 - > 6 m (20 ft) for a stepladder
 - > 9 m (30 ft) for a single/straight ladder
 - > 15 m (50 ft) for an extension ladder with 2 sections
 - > 20 m (65 ft) for an extension ladder with more than 2 sections

GOOD HABITS = PROPER LADDER USE:

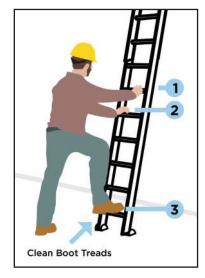
• Know & don't exceed the weight capacity provided by the manufacturer of the ladder. The Canadian Standards Association standard for portable ladders (CAN3-Z11-M81) classifies minimum characteristics of strength and stability required for safe use. It also provides a guideline for the use and care of ladders.

SECTOR	CSA LOAD RATING	GRADE TYPE	WEIGHT LIMIT
Construction Industrial	Extra Heavy Duty (ANSI)	1A	300 lbs
• Utilities	Heavy Duty	1	250 lbs
Light MaintenanceOffice	Medium Duty	2	225 lbs
• Tradesman			
Household	Light Duty	3	200 lbs

- Always do a visual inspection of the ladder before climbing and train workers what to look for.
- Ensure the soles of footwear are clean and made of a non-slip material.
- Set up ladders on solid, dry and even surfaces.
- Use the ratio of 1:4 when leaning a ladder against a wall: 1 out from the wall for every 4 up.
- Secure ladders at both the top and bottom. Use a helper to support the ladder from the bottom.
- · Always face the ladder while climbing.
- One person at a time on a ladder.
- Don't overreach keep your belt buckle between the side rails of the ladder.



3 Point Contact



- Use the 3 Point Contact (two hands & one foot or one hand & two feet in contact with the ladder at all times).
- Carry tools in a tool belt when climbing or raise them up with a rope.
- Don't stand on the top two steps of a step ladder or on the bucket shelf.
- Get help when moving or positioning long or heavy ladders.
- Allow for the top of the ladder to extend at least one meter above the step off point (roof top landing).
- Maintain a clear access at both top and bottom landing areas.











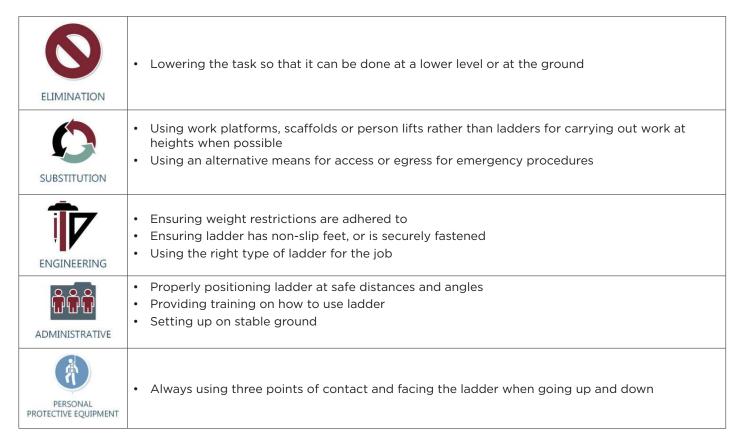
PREFERRED METHODS

There are safer methods to use when working with a ladder. Consider using one of the following preferred methods when planning the work:

- Lowering work
- Scaffolding
- Using elevated platforms

Hierarchy of Controls

The chart below provides you with control options that can help eliminate or reduce risk related to working at heights using a ladder.



PROPER LADDER MAINTENANCE & STORAGE:

- Keep ladders clean from mud, chemicals and debris that can cause them to degrade or that might hide imperfections.
- Store ladders out of the weather on dedicated horizontal wall racks. Remembering to return them to this location after each use.
- · When transporting a ladder by vehicle ensure it is secured to the vehicle so movement or vibration cannot damage it.
- Tag defective ladders for replacement or potential repair and take them out of service so others will not use.
- · Put a ladder maintenance program in place for life-time monitoring of each ladder's condition.













WORKER TRAINING:

- Take the time to train workers so they know which type of ladder to use for each task they may be required to do.
- Ensure workers know how to properly set up and use each type of ladder.
- Ensure workers conduct ladder inspections prior to each use.

KNOW THE LEGISLATION, STANDARDS, GUIDELINES AND BEST PRACTICES THAT APPLY TO YOUR WORKPLACE:

The Ontario Ministry of Labour website is a good source of information for finding the Legislation, Standards, Guidelines and Best Practices that apply to your workplace:

- Ministry of Labour's MSD Prevention/Ergonomic Guidance regarding:
 - > Step Stools in Industrial Workplaces http://www.labour.gov.on.ca/english/hs/pubs/ladder_step.php
 - Sliding, Fixed, Portable (Extension, Single) Ladders in Industrial Workplaces http://www.labour.gov.on.ca/english/hs/pubs/ladder_sliding.php
 - Portable Ladders in Industrial Workplaces (Mobile Ladder Stand / Ladder Platform)
 http://www.labour.gov.on.ca/english/hs/pubs/ladder_mobile.php
 - > Portable Ladders in Industrial Workplaces (Step / Platform or Trestle Ladders) http://www.labour.gov.on.ca/english/hs/pubs/ladder_portable.php
- Ladder Safety in Construction Requirements to conduct risk assessments prior to determining whether or not to use a ladder rather than a scaffold. http://www.labour.gov.on.ca/english/hs/sawo/pubs/fs_laddersafety.php
- Where frequent access is required to equipment elevated above or located below floor level, permanent
 platforms shall be provided with access by a fixed stair or access ladder. Regulation for Industrial Establishments,
 O. Reg. 851/90 Section 19. http://www.ontario.ca/laws/regulation/900851
- Fixed Access Ladder Engineering Data Sheet 2-04. http://www.labour.gov.on.ca/english/hs/pubs/eds2-4 ladders.php

NEED HELP?

Your PSHSA consultant can help you change your ladder safety Bad habits into Good habits. We offer resources and hands-on training programs like 'Working at Heights' to help get you started.

Find your PSHSA consultant at www.pshsa.ca

	vill help you determine if the ladder is safe to use or not. If the ladder should be tagged and taken out of service imp		
	Type/Grade of Ladder		,.
Inspected By:	Length:		
Location:	Ladder ID:		
Material: U	ood 🛘 Fiberglass 🗀 Aluminum 🗘 Other		
Inspection Item		Yes	No
Metal Parts broken, loose, dented, r	usty, missing		
Side Rails broken, loose, dented, r	usty, signs of deterioration		
Rungs broken, loose, dented, r	usty, signs of deterioration		
Braces, Uprights or broken, cracked, splinte	Steps red, chipped, defective, missing or signs of deterioration		
Anti-Slip Feet broken, cracked, defect	ive, poor condition, missing, or signs of deterioration		
	ck, pulley or other fittings aged, unworkable, missing or signs of deterioration		
Steps: greasy, slippery, cracks	splitting		
Spreader Arms and broken, bent, loose, dar	Stops naged, defective, rusty, unworkable or missing		
Rope damaged, worn, broken	, frayed, knotted or missing		
Pail Tray damaged, worn, broker	, bent, rusty, tight, unworkable or missing		
Ladder makeshift repairs, signs	of deterioration, bent, warped, twisted or bowed		
Storage Improperly stored			
Identification Marks	(CSA)		



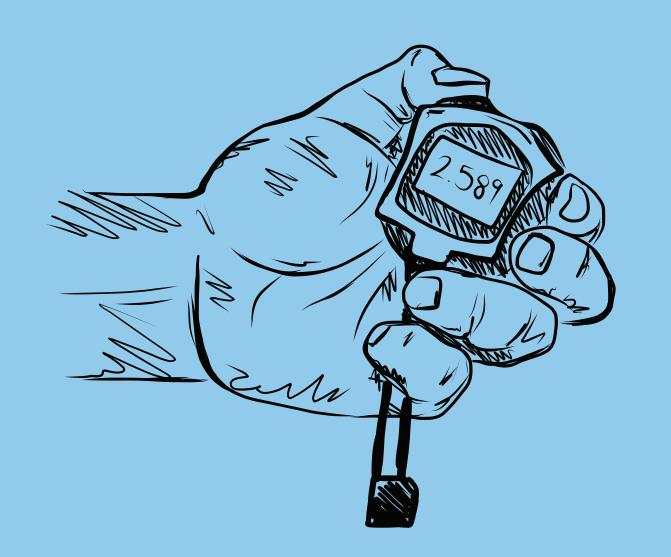








Prevention of Slips, Trips and Falls



Over 42,0000

workers are injured annually due to fall accidents

That's more than one injury every 2.5 minutes!

This number accounts for 17% of the "loss-time injuries" that were accepted by workers' compensation boards or commissions across Canada. (in 2011)

HOW CAN YOU PREVENT FALLS DUE TO SLIPS AND TRIPS?



Without good housekeeping practices, any other preventive measures such as installation of sophisticated flooring, specialty footwear or training on techniques of walking and safe falling will never be fully effective.

Since there is no footwear with anti-slip properties for every condition, consultation with manufacturers is highly recommended in selecting proper



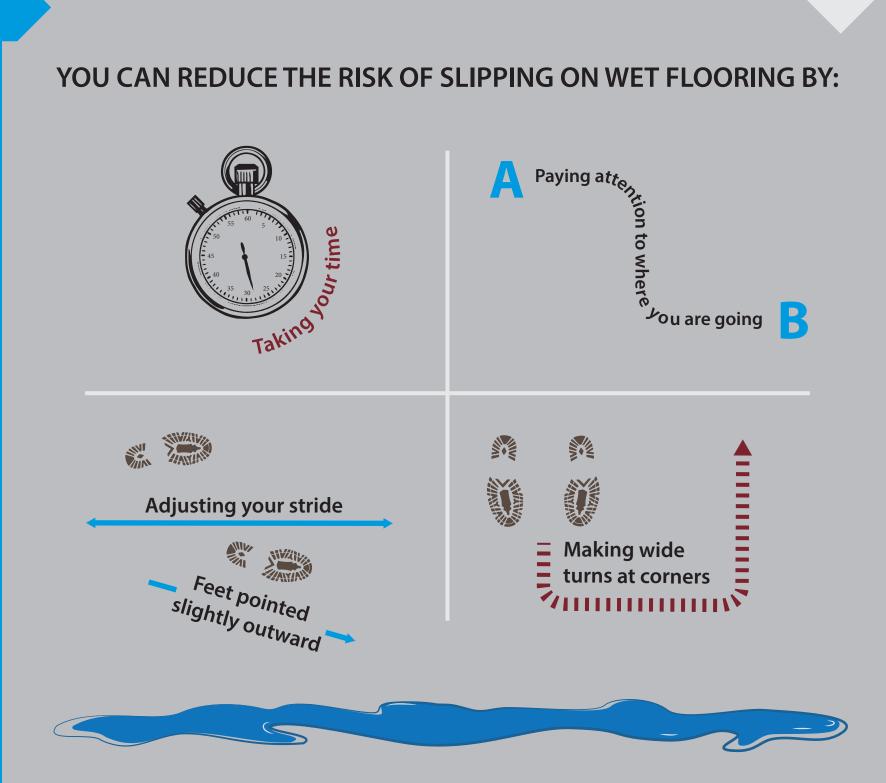
Properly fitting footwear increases comfort and prevents fatigue, which in turn improves safety for the employee.

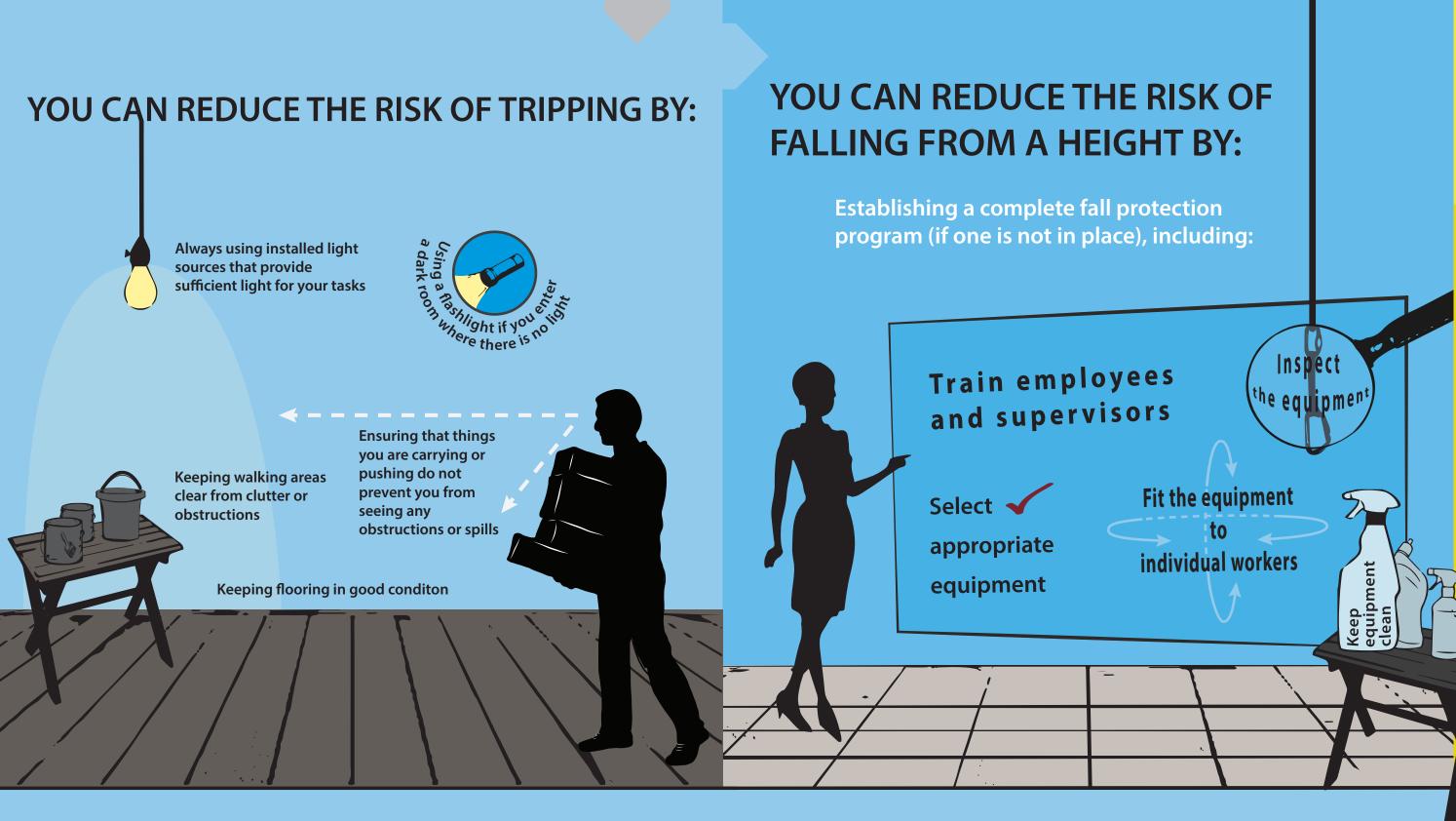


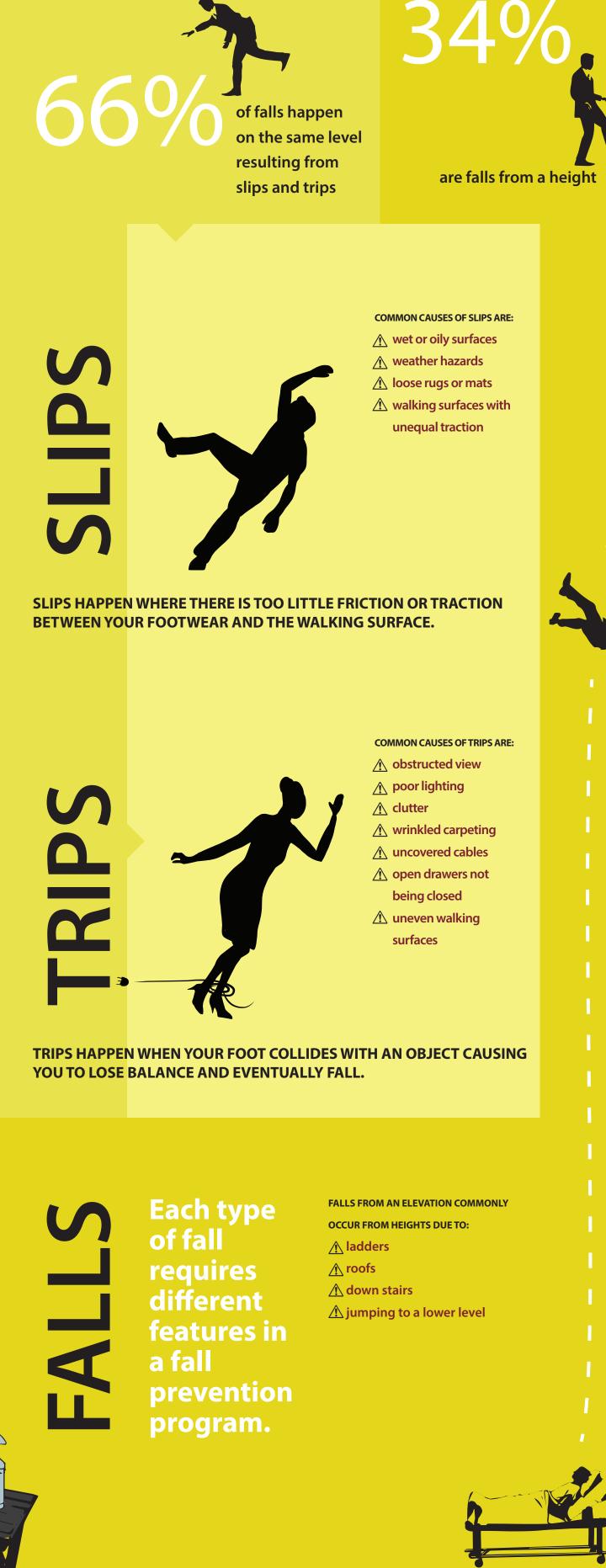
footwear.

Installing or replacing **resilient**, **non-slippery flooring** can further improve safety and reduce the risk of falling, as well as prevent or reduce foot fatigue. Recoating or replacing floors, installing mats, pressure-sensitive abrasive strips or abrasive-filled paint-on coating, and metal or synthetic decking contributes to slip prevention measures.

WHAT CAN YOU DO TO AVOID FALLING AT WORK?









FALLS FROM AN ELEVATION HAPPEN WHEN WORKERS

ARE AT RISK OF FALLING THREE METERS OR MORE.