

Construction Sites

필리핀



Fall Prevention

| Card Book |



고용노동부

산업재해예방

안전보건공단



Safety Management for Business Owners and Safety Regulation for Workers

✓ Safety Management Required for Business Owners to Engage in

- » Issuance and Wearing of Personal Protective Gear Suitable to Working Conditions.
- » Installation of safety rail, fence and cover at dangerous locations where workers may fall, including safety work plates and open holes.
- » Maintenance of safe gradient and installation of sheathing timbering at ground excavation sites.

✓ Safety regulation for workers to comply with

- » To put on personal protective gear issued by a business owner
- » To report to a business owner when prohibition of protection release and protective device function is lost
- » Various safety measures instructed by a business owner (compliance with equipment guidance and speed limits)



3 Key Safety Regulations to Keep in Mind

- ① Preventive measure for **fall** risks!
- ② Preventive measure for **trapping** risks!
- ③ Issuance/wearing of required safety **protective gear**, and around-the-clock inspection!

[Construction Business-related Signs]



P009

Do not climb



P025

Do not use this
incomplete scaffold



W035

Warning Falling
objects



W015

Warning
overhead load



M018

Wear safety
harness



M014

Wear head
protection



Losing balance and falling during installation works at the factory rooftop

Cause of Accident

- » Failure to install safety work plates
- » Failure to wear safety harness

Preventive Measure

- » Installation of safety work plates and wearing of safety harness
- » Installation of protective nets for falling beneath the roof

Major risk factors



- Destruction of roof materials while working on the rooftop (sunlight)



- Failure to install protective nets for falling

Safe working practice



- Installation of safety work plates and wearing of safety harness



- Installation of safety nets for falling and wearing of safety harness



Falling after losing the footing while engaging in the outer wall works on the scaffold

Cause of Accident

- » Failure to install safety rails

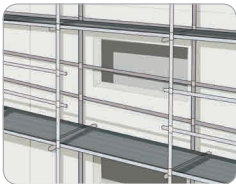
Preventive Measure

- » Firm installation of safety rails at the edges
- » Wearing of safety helmets and safety harness

Major risk factors

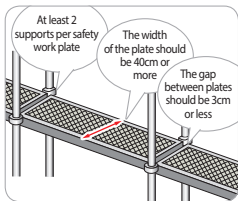


- Inadequate installation of safety work plates

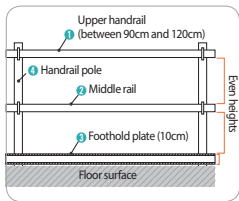


- Failure to install safety rails

Installation of safety work plates and rails in a safe structure



- Firm installation of safety work plate



- Structure of safety rail



Falls through open holes during delivery of materials

Cause of Accident

- » Failure to implement open-hole falling prevention measures

Preventive Measure

- » Installation of covers for open holes or safety rails
- » Installation of warning signs

● Major risk factors



- ▶ Defective installation of covers



- ▶ Failure to install safety rails

● Open-hole safety measures



- ▶ Installation of firm open-hole cover



- ▶ Installation of safety rails and warning signs



Falls due to collapsing ladders during installation works of security lights

Cause of Accident

- » Use of ladders without outrigger installed

Preventive Measure

- » Installation of outrigger and wearing of safety helmets
- » A group of 2 workers to be assigned to the jobs using a ladder

● Safety guideline on ladder works



- ▶ Only A-type ladders shall be allowed for the light workload requiring the use of ladders.



- ▶ Ladders must be installed at the floor surface that is flat, firm and non-slippery.



- ▶ To put on a safety helmet when working on ladders
- ▶ To put on safety harness when working at the height at least 2 meter high



- ▶ A group of 2 workers to work at the height between 1.2 and 2 meters; the works on the highest section prohibited
- ▶ A group of 2 workers to work at the height between 2 and 3.5 meters; the works on the highest section and lower work plate prohibited

* No works are allowed when the height exceeds **3.5 meters**.



Falls from the mobile scaffolding during steel frame assembly works

Cause of Accident

- » Failure to install safety rails at mobile scaffolding

Preventive Measure

- » Installation of safety rails and outrigger
- » Wearing of safety harness during aerial works

● Major risk factors

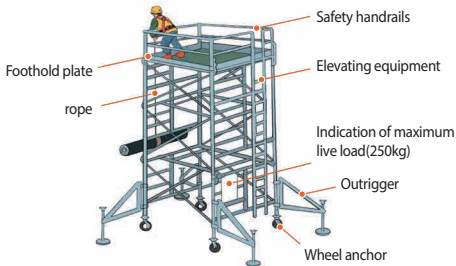


► Failure to install safety rails



► Any acts of pushing the body outward

● Structure of safe mobile scaffolding





How to put on a safety harness

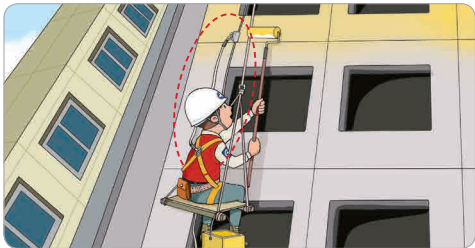


- Put both feet in and lift it up.



- Put both shoulders in.

Fasten the safety harness to the adhesive equipment (i.e., hanging scaffolding).





- ▶ Lock up the chest fastener.



- ▶ Check the completeness of putting on.

● How to put on a safety helmet



- ▶ Fasten the chin straps firmly.



- ▶ Adjust the head strap.

7 Checklist for Fall Accident Prevention

Subject	No.	Description	Results
Whether safety pathway is secured	1	Whether safety pathway is secured and its condition is maintained	
	2	Conditions of pathway indications, including safety signs near pathways	
Fall prevention for scaffolding	3	Structure and installation condition of safety work plate	
	4	Installation condition of safety rails at the edge of safety work plate	
	5	Installation condition of protective nets for falling	
Fall prevention for steel frame works	6	Installation condition of elevator shaft	
	7	Installation condition of protective nets for falling and safety harness adhesive equipment	
	8	Check for any anomaly from safety harness and accessory equipment	
Fall prevention for on-roof works	9	Installation condition of safety work plate with the width at least 30 cm	
	10	Installation condition of lower fall prevention protective net	
	11	Installation of safety rails at the edge of roof	
Fall prevention for open holes	12	Installation condition of protective measures, i.e. safety rails, fence and cover	
	13	Installation condition of fall prevention protective net and safety harness adhesive equipment during temporary disassembly of rails	
Personal protective gear for fall prevention (safety helmet, safety harness)	14	Proper issuance of personal protective gear	
Other fall preventions	15	Installation condition of other safety facilities to prevent fall accidents	