

Infrastructure HSW Management Sub-System

Roof Inspection Check

Building Details

Building Name: Applied Science Building Building No: RW008	Date of Inspection: 28/07/2023	Inherent Risk
	Keys required: Plant Room	Medium

Roof Access Details

- Right of Access Permit is only for visual inspection and a different permit is required before commencing any work on the roof.
- Handrails and parapets are not a fall arrest system unless part of a submitted SWMS.
- If using a harness attached to an anchor point/static line all workers must have current Working at Heights training and anchor points/static lines must have been certified in the last 12 months.
- If accessing roof externally a lock out/tag out procedure has been implemented for Fume Cupboards

There is no internal access to external roof.
There is an external ladder on the western side of the building to access roof.



Roof ladder



A/C



Fume Motor



Parapet wall

No access to areas without walkways unless a safe system of work is in place to ensure the risk of a fall has been minimised (2012 SA WHS Regulations Part 4), this could include using industrial fall arrest harness attached to the static lines or anchor points if available.

Roof Details

Roof Material: Iron	No. of Roofs on Building: 1
Pitch: Near Flat (<5°)	Roof Height (m): Approximately 6 metres
Gutter Details: Box Gutter X	Fragile Panels / areas: Nil
Access: Walkways X Fixed Ladders X	Parapet Details (height, construction): Plant Deck Handrails 300mm to 0mm in height
Description of Roof Plant: Air conditioners x 2 Fume vent/motor x 1	
Other Details:	

Risk Assessment

	Hazard	Risk Indicator once Controls in place	Control
Hazards	Unprotected roof edges and height of roofs – Fall hazard	Rare x Severe Medium	No access to roof unless under a work permit and a safe system of work for prevention of falls is implemented
	Walking on roof – Slip and fall hazard	Rare x Minor Low	Take care when traversing. Walk and do not run. Wear protective footwear (refer below).

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	Weather – Heat, rain, strong winds – Heat exhaustion, dehydration, sunburn, colds, fall hazard	Rare x Moderate Medium	Do not commence works in extreme weather conditions which will adversely affect workers. Wear a hat in open sun.
	Working alone	Slight x Major High	A system to ensure lone worker's welfare, needs to be in place.
	Airbourne hazardous chemicals (Venting or Flumes)	Rare x Moderate Low	Check with Building Owner and/or Laboratory Manager and undertake a risk assessment. Contact FM for details
Other Information	<ol style="list-style-type: none"> The method of access to rooftop shall depend on the specific job task being undertaken and risk assessment completed prior to commencement of work and included in Job Safety Analysis (JSA) or Safe Work Method Statement (SWMS) or Safe Work Procedure (SWP) and Safe Work Instruction (SWI); Access and work on roof top when weather is clear, dry and when winds do not create added risk; Footwear must comply with AS/NZS 2210 and appropriate to job task being undertaken; Sun protection policy and procedure is in place when working outdoors; Ensure that tools are secured on their person or a safe work method for bringing tools to and from the task has been determined prior to commencement of job; and Tools to be restrained to prevent falling. 		
Instructions	<ol style="list-style-type: none"> Undertake roof access in accordance with the University of Adelaide Infrastructure Management Sub-System Roof Access Permit to be obtained prior to roof access; Ensure that tools are secured on their person or a safe work method for bringing tools to and from the task has been determined prior to commencement of job; and Do not carry out any tasks within/on an unguarded roof edge or fall hazard, unless a safe system of work is in place to ensure the risk of a fall has been minimised. 		

LIKELIHOOD TABLE		CONSEQUENCES TABLE			
Category	Description	Category	Description		
Almost certain	There is an expectation that an event/incident will occur.	Severe	Injury resulting in death, permanent incapacity		
Likely	There is an expectation that an event/incident could occur but not certain to occur.	Major	Injury requiring extensive medical treatment, hospitalisation, or activities could result in a Notifiable occurrence.		
Slight	This expectation lies somewhere in the midpoint between "could" and "improbable"	Moderate	Injury requires formal medical treatment (hospital outpatient/doctors visit etc), activities could result in an Improvement Notice.		
Unlikely	There is an expectation that an event/incident is doubtful or improbable to occur	Minor	Injury requires first aid		
Rare	there is no expectation that the event/incident will occur	Negligible	Injury requires minor first aid (e.g. band aid), or result in short term discomfort (e.g. bruise, headache, muscular aches, etc)		

RISK RATING					
Likelihood	Consequences				
	Negligible	Minor	Moderate	Major	Severe
Almost Certain	Medium	High	Very High	Very High	Very High
Likely	Medium	Medium	High	Very High	Very High
Slight	Low	Medium	High	High	Very High
Unlikely	Low	Low	Medium	Medium	High
Rare	Low	Low	Low	Medium	Medium