

Building Details

Building Name: Physics Building No: NT 37	Date of Inspection: 6/09/2023	Inherent Risk
	Keys required: Roof access, 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.
- Parapets are not a fall arrest system unless part of a submitted SWMS.
- If accessing roof externally a lock out/tag out procedure has been implemented for Fume Cupboards

There is no internal access to terracotta roof

To access the 'ladies toilet roof area' take stairs to level 1, then walk towards the lady's toilet. Directly adjacent to the toilet walk up the stairs and through the locked door with glass panes to access the roof. To access Grant Kerr roof area, enter via the storeroom (locked) directly on your left prior to entering the Grant Kerr lecture theatre. Enter the next room and on your right there is a ladder, exit via window, onto platform and climb fixed ladder onto roof.



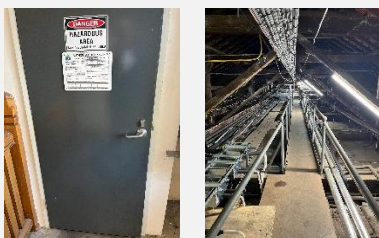
Stairs Access to plant level 1 Plant (level 1) Store room door Access to platform Plant ladder (Grant Kerr)

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 Space

- Right of Access Permit is only for visual inspection and a different permit is required before commencing any work in roof space.

To access to the roof space, take stairs to level 1, then walk towards the lady's toilet. Directly adjacent to the toilet, walk up the stairs and through the solid door to access the roof space.



Access door Roof space

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: Directly above lady's toilet roof and Grant Kerr Theatre– Membrane All other roof areas - Terracotta	No. of Roofs on Building: Five (5)
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Infrastructure HSW Management Sub-System

Roof Inspection Check



Pitch: > 30°	x	Roof Height (m): Three storeys high
Gutter Details: External Gutter	x	Fragile Panels / areas: Terracotta tiles
Access: Walkways	in roof space	Parapet Details (height, construction): 1200mm parapet enclosing ladies toilet roof
Fixed Ladders	X	
Description of Roof Plant: Air conditioners, split system and VRV Units Chiller water air handling plant package unit		Number: Various
Other Details:		

RISK ASSESSMENT

	Hazard	Risk Indicator once Controls in place	Control
Hazards	Unprotected roof edges and height of roof – Fall hazard	Rare x Severe Medium	No access to terracotta roofs without a permit to work and a documented safe system of work.
	Dropped objects.	Rare x Severe Medium	Tool lanyards. Do not lean over roof edges.
	Slips and trips	Rare x Moderate Low	Wear safety boots and long trousers.
	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
	Weather – Heat, rain, strong winds – Heat exhaustion, dehydration, sunburn, colds, fall hazard	Rare x Minor Low	Do not commence works in extreme weather conditions which will adversely affect workers.
	Working alone	Slight x Major High	A system to ensure lone worker's welfare needs to be in place.
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 no high winds; Footwear must be toe steel capped and comply with AS/NZS 2210 for type 1 safety footwear; Sun protection policy and procedure is in place when working outdoors; Tools to be carried in tool belt; and Plant and equipment must be well maintained and serviced regularly. 		
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; Venting or Fumes - airborne hazardous chemicals: check with Building Owner, Laboratory Manager and/or the Maintenance Service Centre and undertake a risk assessment; 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	
Category	Description
Almost certain	There is an expectation that an event/incident will occur.

CONSEQUENCES TABLE	
Category	Description
Severe	Injury resulting in death, permanent incapacity

Infrastructure HSW Management Sub-System

Roof Inspection Check



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