

Infrastructure HSW Management Sub-System

Roof Inspection Check

Building Details

Building Name: Engineering South Building No: NT 15	Date of Inspection: 25/07/2024	Inherent Risk Medium
	Keys required: Plant room & Roof access	

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.
- 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.
- Before entering roof space all workers must have completed asbestos awareness training or equivalent.
- P2 Filter mask must be worn when entering roof space.

There is internal access to two exterior plant platforms from Level 3. Enter through locked door inside male toilet, from room 318B. Go up the ladder, through the roof space and onto the roof. Light switch is on the left as you enter roof space.



Ladder



Exterior/Interior Door



Solar Panels



A/C Units

There are three roof areas on this building:

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.

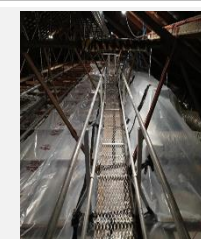
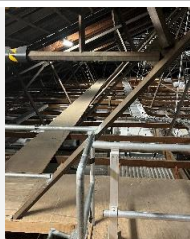
Roof Space

SAFETY PRECAUTION

Prior to entry into the enclosure in the roof space, workers are to apply a P2 filter type mask, (**mask must form an air-tight seal around the face. Air-tight seal cannot be achieved if you are unshaven or have a beard**).

Walk into the plastic enclosure and proceed through access and walkways within the roof void with P2 filter type mask fitted.

At the enclosure exit point, remove mask and place disposable mask into an Asbestos waste bag kept within the enclosure. Following removal and disposal of the mask, proceed out of the enclosure and onto either the roof top platform or the occupied area of Level 3.



Roof Details

Roof Material: Colorbond steel & Terracotta Tiles	No. of Roofs on Building: Two(2)
Pitch: 15° to 30	Roof Height (m): 3 Storeys High
Gutter Details: External Gutter X	Fragile Panels / areas: Terracotta roof on Eastern side

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Walkways <input type="checkbox"/> Other:	<input type="checkbox"/>	Parapet Details (height, construction): Shade Cloth covered Atrium
Platforms	<input checked="" type="checkbox"/>	
Anchor Points	<input checked="" type="checkbox"/>	
Description of Roof Plant: Refer Photos – Air Conditioners. Solar Panels & Aerial Receiver		Number: Various
Other Details: Plant located on two (2) accessible plant platforms		

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 colorbond or 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.
	Walking on roof- Slips, trips and collision with plant	Rare x Moderate Low	Take care when traversing. Walk and do not run. Wear safety boots and long trousers.
	Rotating plant	Rare x Moderate Low	Machine guarding.
	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.
	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
	Working alone	Slight x Major High	A system needs to be in place to ensure lone worker's welfare.
	Asbestos	Rare x Severe Medium	P2 masks with airtight seal must be worn when in roof space
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

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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

