## Infrastructure HSW Management Sub-System





Building Details		
Building Name: Badger Building Building No: NT05	Date of Inspection: 6/07/2023	Risk
	Keys required: Roof access	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.
- A Lock Out/Tag Out procedure has been implemented for Fume Cupboards.

There is internal access to this roof from Level 2. Take the stairs at the Western end between (doors 209-211) to Level 3.



Roof access door



Western fume stacks



Eastern fume stacks



Unprotected edge Eastern side

Work is not to be undertaken in close proximity to fume cupboard exhaust stacks. Contact laboratory manager(s) to confirm risk
from exhaust prior to working near stacks.

<u>No access to areas without walkways</u> 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 on Eastern End		No. of Roofs on Building: Two (2)
<b>Pitch:</b> < 15°	☑ Near Flat below 5°	Roof Height (m): 4 Storied
Gutter Details: Box Gutter Drains		Fragile Panels / areas: Nil
External Gutter		
Walkways - Metal Platforms Fixed Ladders <b>Other:</b> Fixed ladder with o Western end to access He	☑ □ ☑ cage leading to plant room roof at eader Tanks	Parapet Details (height, construction): Roof enclosed by brick parapet on all sides Parapet low on Eastern end of building. Anchor points on Eastern roof for access to security camera.
<b>Description of Roof Plar</b> Fume Cupboards Exhaust Vents Spotlights Range of other plant Range of plant sheds/cover		Number: Various Various Various Various Various
Other Details:		

Lift motor room access stair on Western End.

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### **RISK ASSESSMENT**

	Hazard	Risk Indicator once Controls in place	Control		
	Unprotected roof edges and height of roof – Fall hazard	Rare x Severe Medium	No access to roofs without a permit to work and a documented safe system of work.		
	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.		
Hazards	Dropped objects.	Rare x Severe Medium	Use tool lanyards. Do not lean over roof edge.		
	Working alone	Slight x Major High	A system needs to be in place to ensure lone worker's welfare.		
	Walking on roof - slips, trips and collision with plant	Rare x Moderate Low	Take care when traversing. Walk and do not run. Wear protective footwear		
	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.		
Other Information	<ol> <li>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);</li> <li>Access and work on roof top when weather is clear, dry and no high winds;</li> <li>Footwear must be toe steel capped and comply with AS/NZS 2210 for type 1 safety footwear;</li> <li>Sun protection policy and procedure is in place when working outdoors;</li> <li>Tools to be carried in tool belt; and</li> <li>Plant and equipment must be well maintained and serviced regularly.</li> </ol>				
Instructions	<ol> <li>Undertake roof access in accordance with the University of Adelaide Infrastructure Management Sub-Syst</li> <li>Roof Access Permit to be obtained prior to roof access;</li> <li>Venting or Fumes - airborne hazardous chemicals: check with Building Owner, Laboratory Manager and the Maintenance Service Centre and undertake a risk assessment;</li> <li>Ensure that tools are secured on their person or a safe work method for bringing tools to and from the ta has been determined prior to commencement of job; and</li> <li>Do not carry out any tasks within on an unguarded roof edge or fall hazard, unless a safe system of work in place to ensure the risk of a fall has been minimised.</li> </ol>				

LIKELIHOOD TABLE			CONSEQUENCES TABLE			
Category	Description	Catego	bry Description			
Almost	There is an expectation that an event/incident will	Severe	Injury resulting in death, permanent incapacity			
Likely	There is an expectation that an event/incident <b>could</b> 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"	Modera	te 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 <b>improbable</b> to occur	Minor	Injury requires first aid			
Rare	there is no expectation that the event/incident will occur	Negligi	ble Injury requires minor first aid (e.g. band aid), or result in short term discomfort (e.g. bruise, headache, muscular aches, etc)			
<b>RISK RATIN</b>	G	•				

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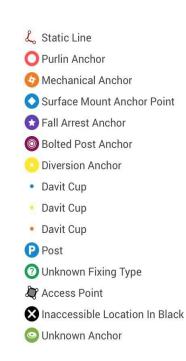
# Infrastructure HSW Management Sub-System



# **Roof Inspection Check**

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	





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