

**Building Details**

<b>Building Name: Badger Building</b> <b>Building No: NT05</b>	<b>Date of Inspection:</b> 6/07/2023	<b>Risk</b>
	<b>Keys required:</b> Roof access	<b>Medium</b>

**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.

**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**

<b>Roof Material:</b> Iron on Eastern End	<b>No. of Roofs on Building:</b> Two (2)
<b>Pitch:</b> < 15° <input checked="" type="checkbox"/> Near Flat below 5°	<b>Roof Height (m):</b> 4 Storied
<b>Gutter Details:</b> Box Gutter Drains <input checked="" type="checkbox"/> External Gutter <input type="checkbox"/>	<b>Fragile Panels / areas:</b> Nil
Walkways - Metal <input checked="" type="checkbox"/> Platforms <input type="checkbox"/> Fixed Ladders <input checked="" type="checkbox"/> <b>Other:</b> Fixed ladder with cage leading to plant room roof at Western end to access Header Tanks	<b>Parapet Details (height, construction):</b> 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 Plant:</b> Fume Cupboards Exhaust Vents Spotlights Range of other plant Range of plant sheds/covers on roof	<b>Number:</b> Various Various Various Various Various
<b>Other Details:</b> Lift motor room access stair on Western End.	

**RISK ASSESSMENT**

	Hazard	Risk Indicator once Controls in place	Control
<b>Hazards</b>	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.
	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.
	<b>Other Information</b>	<ol style="list-style-type: none"> <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>	
<b>Instructions</b>	<ol style="list-style-type: none"> <li>Undertake roof access in accordance with the University of Adelaide Infrastructure Management Sub-System</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/or 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 task 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 is in place to ensure the risk of a fall has been minimised.</li> </ol>		

LIKELIHOOD TABLE	
Category	Description
Almost	There is an expectation that an event/incident will
Likely	There is an expectation that an event/incident <b>could occur</b> but not certain to occur.
Slight	This expectation lies somewhere in the midpoint between “could” and “improbable”
Unlikely	There is an expectation that an event/incident is doubtful or <b>improbable</b> to occur
Rare	there is no expectation that the event/incident will occur

CONSEQUENCES TABLE	
Category	Description
Severe	Injury resulting in death, permanent incapacity
Major	Injury requiring extensive medical treatment, hospitalisation, or activities could result in a Notifiable occurrence.
Moderate	Injury requires formal medical treatment (hospital outpatient/doctors visit etc), activities could result in an Improvement Notice.
Minor	Injury requires first aid
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



- Static Line
- Purlin Anchor
- Mechanical Anchor
- Surface Mount Anchor Point
- Fall Arrest Anchor
- Bolted Post Anchor
- Diversion Anchor
- Davit Cup
- Davit Cup
- Davit Cup
- Post
- Unknown Fixing Type
- Access Point
- Inaccessible Location In Black
- Unknown Anchor