

Building Details		
Building Name: Engineering Annexe Building No: NT13	Date of Inspection: 25/08/2023	Risk
	Keys Required: Roof Access (key/card)	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 accessing roof externally a lock out/tag out procedure has been implemented for Fume Cupboards

There are three separate roofs:

Level 1

Enter the Engineering Annexe building and go to Level 1. Access to the roof is through the locked door (roof access key is required) opposite the male toilet in the lobby area.

Western Roof:

Access by pull down hatch on level 3, in corridor area closest to Engineering North Building. A specific swipe card is required to unlock the hatch. The roof hatch hook is located in room 314a.

Eastern Roof:

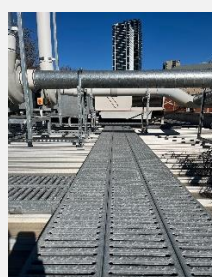
Access by pull down hatch on level 3 (Laboratory Space 314a)



Level 1 door



Roof hatch corridor



Western roof



Roof hatch 314a



Eastern roof

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: Three Roof 1 - Small roof area with skylights – gentle pitch Roof 2 – Large flat roof – near flat roof
Pitch: < 15° X	Roof Height (m): 15 metres from ground
Gutter Details: Box Gutter X	Fragile Panels / areas:
Walkways – Metal X Other:	Parapet Details (height, construction): Guard raining and exposed edges.
Description of Roof Plant: Various air-conditioning units. Fume	Number:

RISK ASSESSMENT

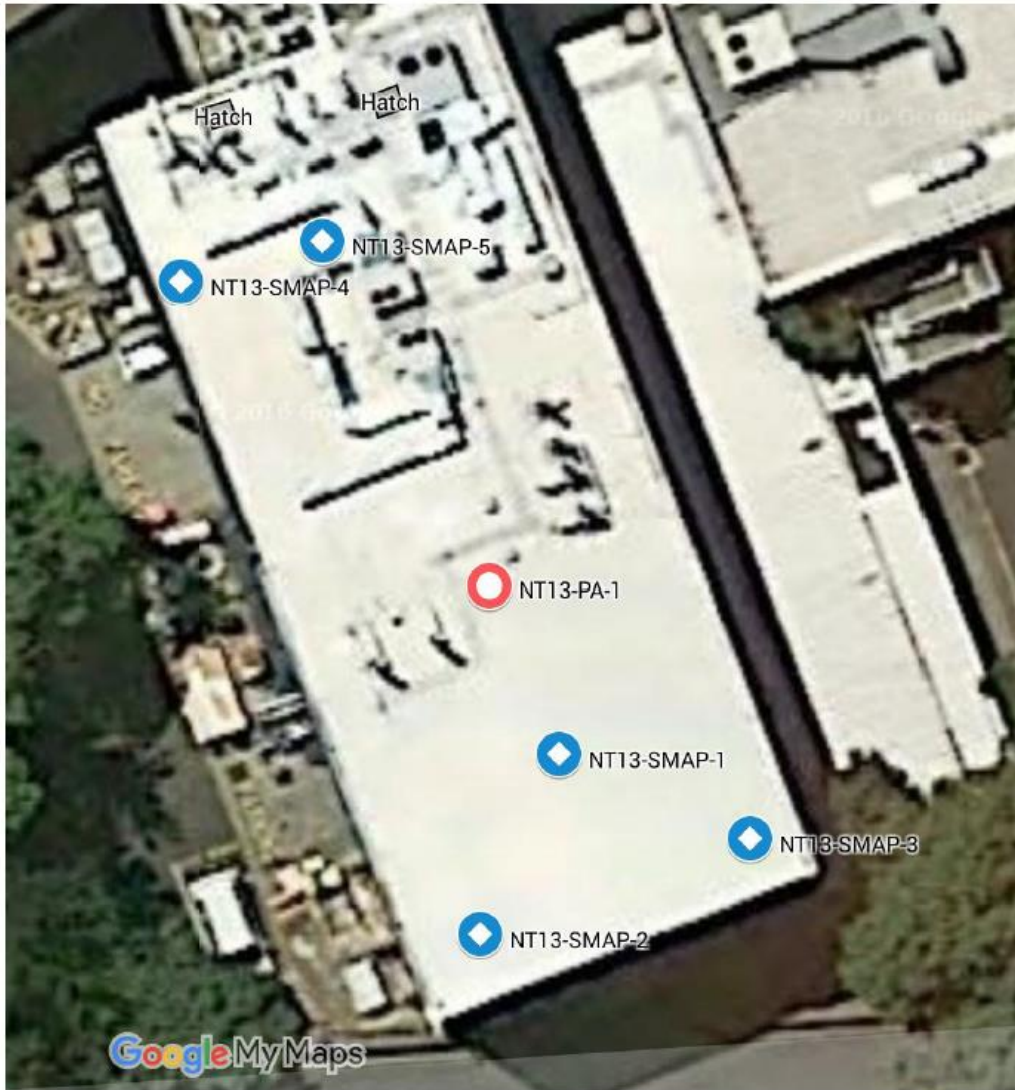
	Hazard	Risk Indicator once Controls in place	Control
Hazards	Unprotected roof edges and height of roofs – Fall hazard	Rare x Severe Medium	No access to the roof unless under a work permit and a safe system of work for prevention of falls is implemented.
	Airbourne hazardous chemicals (Venting or Flumes)	Rare x Moderate Low	Check with Building Owner and/or Laboratory Manager and undertake a risk assessment. Contact FM for details
	Walking on roof – Fall and slip hazard	Rare x Moderate Low	Take care when traversing. Walk and do not run. Wear protective footwear (refer below).
	Working alone	Slight x Major Low	A system to ensure lone worker's welfare, needs to be in place.
	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 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.
Likely	There is an expectation that an event/incident could occur 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 improbable 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

Building Schematic:



- 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

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