

Building Details		
Building Name: Darling West Building No: NT 03	Date of Inspection: 21/07/2023	Inherent Risk
	Keys required: Roof Access	Medium

Roof Access Details

- Laboratory roof can be accessed internally through hatch.
- Lecture Theatre roof is accessed externally via a portable ladder.

Internal access to the Laboratory roof via stairs to level 4. A safe system of work is required to access the locked hatchway opposite door 205 (a key is required) which leads to the roof. * **Please note the proximity of stairwell to roof hatch.**



Lecture theatre roof



Access hatch to laboratory roof

No access 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: Two (2)
Pitch: < 15°	Roof Height (m): 2 Storeys High
Gutter Details: Box Gutter X	Fragile Panels / areas: N/A
Walkways N/A Other: Platforms N/A Anchor Points N/A	Parapet Details (height, construction): N/A
Description of Roof & Roof Space Plant: Aerials on Laboratory roof – no EME exposure Exhausts on Lecture Theatre roof	Number: Various
Other Details: No walkways to plant	

RISK ASSESSMENT

Hazards	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.
	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.

Infrastructure HSW Management Sub-System



Roof Inspection Check

	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; 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		CONSEQUENCES TABLE	
Category	Description	Category	Description
Almost certain	There is an expectation that an event/incident will occur.	Severe	Injury resulting in death, permanent incapacity
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
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