

### Building Details

<b>Building Name: Barr Smith Library North</b> <b>Building No: NT07</b>	<b>Date of Inspection:</b> 19/07/2023	<b>Risk</b>
	<b>Keys required:</b> Plant Room & 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.
- 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.

There is internal access to **main roof Level 6**. Enter Barr Smith Library (main entrance - level 3) turn left and follow white vinyl floor tiles to Northern stairwell. Go to level 5 and access plant room (no 507) with plant room key. Go upstairs and access roof through an unlocked door. Unlocked door requires a plant room key to open it from the outside.



Door 507



Main roof

To access **Eastern Plant deck** go through wall hatch on level 5 (Refer photograph). A plant access key is required. Use the custom ladder to access the ceiling space and proceed to the roof hatch/skylight via walkway. A roof access key is required to unlock the hatch.



Level 5 entry hatch



Level 5 hatch/skylight



Various Anchor Points

**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> Membrane on L6 and plant roofs. Colorbond steel and Terracotta tiles.	<b>No. of Roofs on Building:</b> Five Main roof, Plant roof, plant deck, steel & terracotta roofs.
<b>Pitch:</b> Main roof, Plant roof and plant deck level. Steel and terracotta roofs vary.	<b>Roof Height (m):</b> 4 stories
<b>Gutter Details:</b> External Gutter <input checked="" type="checkbox"/> Stairwell Roof	<b>Fragile Panels / areas:</b>
Walkways <input type="checkbox"/> Platforms <input type="checkbox"/> Fixed Ladders <input type="checkbox"/> <b>Other:</b> Stairwell lift roof is unprotected	<b>Parapet Details (height, construction):</b> Main roof – brick parapet 1200mm Plant room roof has 600mm parapet
<b>Description of Roof Plant:</b> Main Roof – range of plant including Air Conditioners & Cooling towers etc Plant Room roof – exhaust fans	<b>Number:</b> Various Various
<b>Other Details:</b> No plant on lift motor room roof and stairwell roof	

**RISK ASSESSMENT**

	Hazard	Risk Indicator once Controls in place	Control
<b>Hazards</b>	Unprotected roof edges and height of roofs – Fall hazard	Rare x Severe Medium	No access to roof unless under a work permit and a safe system of work for prevention of falls is implemented.
	Walking on roof – Slip and fall hazard	Rare x Minor Low	Plant area surrounded by parapet. Take care when traversing. Walk and do not run. Wear protective footwear (refer below).
	Colliding with fixed plant	Rare x Minor Low	Conduct visual inspection prior to commencing works. Identify potential sources of collision.
	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. Enact communication protocol if working alone.
	Working alone	Slight x Major High	A system to ensure lone worker’s welfare, needs to be in place.
<b>Other Information</b>	1. 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); 2. Access and work on roof top when weather is clear, dry and no high winds; 3. Footwear must be toe steel capped and comply with AS/NZS 2210 for type 1 safety footwear; 4. Sun protection policy and procedure is in place when working outdoors; 5. Tools to be carried in tool belt; and 6. Plant and equipment must be well maintained and serviced regularly.		
<b>Instructions</b>	1. Undertake roof access in accordance with the University of Adelaide Infrastructure Management Sub-System 2. Roof Access Permit to be obtained prior to roof access; 3. 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 4. 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 <b>could occur</b> 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 <b>improbable</b> 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