

**Building Details**

<b>Building Name: Johnson Laboratories</b> <b>Building No: NT22</b>	<b>Date of Inspection:</b> 6/07/2023	<b>Inherent 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.
- A Lock Out/Tag Out procedure has been implemented for Fume Cupboards

Access to external Johnson Laboratories terracotta roof is through the **Jordan Building** (Level 3 Unisex toilet 302. A Roof Access key is required).

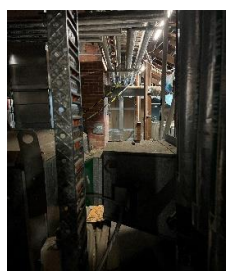


Internal access via Toilet    Looking from Jordan to Johnson    Johnson terracotta west

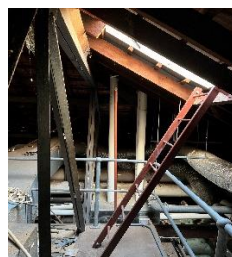
**No access to roof** unless a safe system of work is in place to ensure the risk of a fall has been minimised (2012 SA WHS Regulations Part 4), this could include using industrial fall arrest harness attached to the static lines or anchor points if available.

**Roof Space**

Access to the largest area of the Johnson Building interior roof space is via the plant room door (internal) at the top of the stairwell, (a Plant Room key is required when entering through plant room door). When entering Plant Room light is on the right side



To access the far western side of the Johnson Building roof space enter through the **Jordan Building** (Level 3 Unisex toilet 302). Turn right and follow walkway to roof hatch. (A key for roof access to the Jordan Building is required).



**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> Terracotta Tiles	<b>No. of Roofs on Building:</b> 2
<b>Pitch:</b> Terracotta pitch: 40° over three levels	<b>Roof Height (m):</b> 8m
<b>Gutter Details:</b> Box Gutter <input type="checkbox"/> External Gutter <input checked="" type="checkbox"/>	<b>Fragile Panels / areas:</b> N/A
<b>Access:</b> No access to roof 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) <b>Other:</b>	<b>Parapet Details (height, construction):</b> N/A
<b>Description of Roof and Roof Space Plant:</b> Fume Cupboards Vents Chimneys Air Conditioning Equipment	<b>Number:</b> Various Various Various Various
<b>Other Details:</b> There are no fall arrest anchors or walkways on roof.	

### RISK ASSESSMENT

	Hazard	Risk Indicator once Controls in place	Control
Hazards	Airbourne hazardous chemicals (Venting or Flumes)	Rare x Major Medium	Consult with Lab Manager prior to access and implement control measures based on risk assessment.
	Unprotected roof edges and height of roofs – Fall hazard	Rare x Severe Medium	Do not carry out any tasks at an unguarded roof edge, unless a safe system of work for prevention of falls is implemented.
	Walking on roof – Fall and slip hazard	Rare x Severe Medium	No access to terracotta roof without specialist training, Permit & SWMS.
	Weather – Heat, rain, strong winds – Heat exhaustion, dehydration, sunburn, colds, fall hazard	Slight x Negligible Low	Do not commence works in extreme weather conditions which will adversely affect workers.
	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"> <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**

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. Venting or Fumes - airborne hazardous chemicals: check with Building Owner, Laboratory Manager and/or the Maintenance Service Centre and undertake a risk assessment;
4. 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
5. 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

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