

Building Details

Building Name: Barr Smith South (Hub Central) Building No: NT39	Date of Inspection: 06/12/2023	Risk
	Keys required: Roof access.	Medium

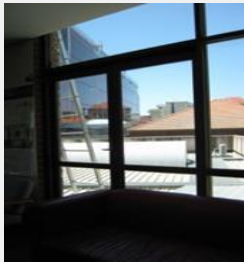
Roof Access Details

- Right of Access Permit is only for visual inspection and a different permit is required before commencing any work on the roof.
- 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.

Four separate areas that have different access points.

1. Northern area

Go to level 5 (Mezzanine Hub Centre) enter Horace Lamb Building and access through the door on the Eastern side of room 535 using a roof access key. Northern roof space is accessed using the fixed ladder outside the door. (The roof space directly outside the door is the Horace Lamb building.)



Door in room 535



Fixed ladder to Barr Smith South roof

2. Solar panels, Box gutters & Plant room roof.

Climb stairs located on the Western side of the outdoor area (access from Level 4 Cement Courtyard) Open the gate on level 5 using a roof access key. Continue climbing until reaching the roof. Follow walkways to access Plant Room (plant room key), 3 of 4 box gutters and Solar Panels.



Access from courtyard



Plant Room



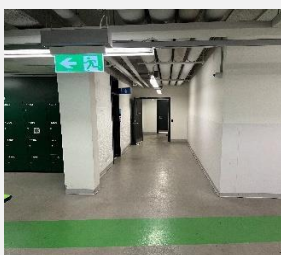
Solar Panels



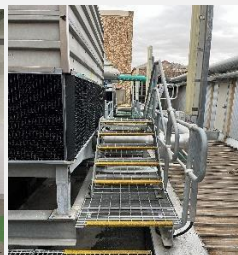
Box Gutter

3. Level 6 Plant area

Enter Hub Central level 4 and walk towards eastern stairwell (see picture below). Climb stairs to level 6 and access through the door at the top of the stairs in room 603. A roof access key is required.



Corridor to stairwell



Water Cooling Tower x2

4. Level 7 Hughes Building (RM 713)

Go to level 7 (Hughes Building enter room 713 (Building Key required). Exit through door at back of room (Hughes Building Roof access key required). 1 of 4 Box Gutters accessible.



Room 713

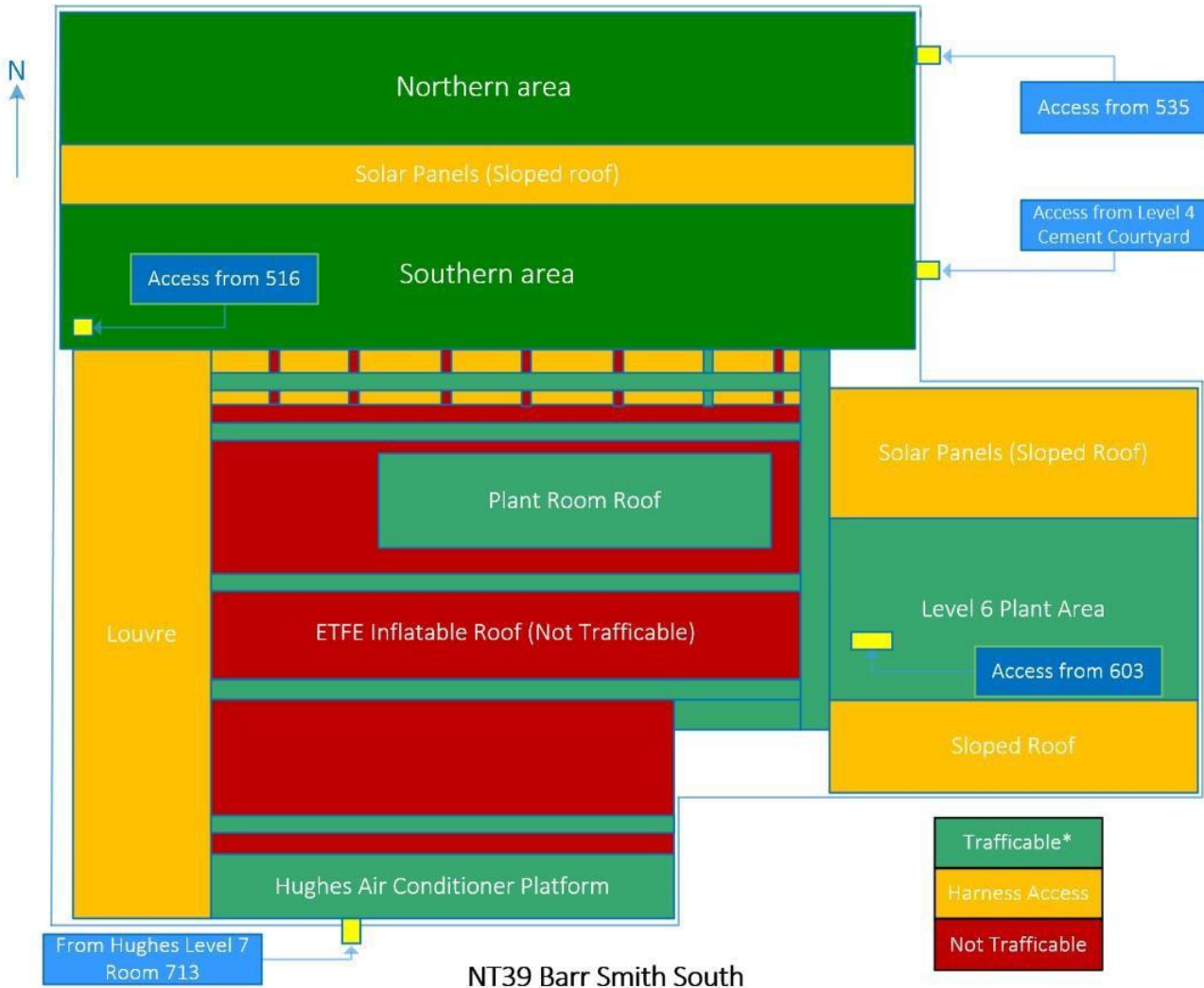


Door to roof



Box Gutter

All AREAs highlighted in GREEN can be accessed including box gutters.



Roof Details

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Authorised	Director, Capital Projects & Facilities Management Infrastructure Branch Division of University	Revi	December 2026	Page:	2 of 4
Filepath	S:\Services_Resources\Infrastructure\Shared\HSW01. Hazard Management\01 Roof Access\01 Risk Assessments\North Terrace\2023\Barr Smith South\NT39 30-11-23				

Roof Material: Iron and Texlon	No. of Roofs on Building: Multiple roofs across three major areas.
Pitch: < 15° <input checked="" type="checkbox"/> Most areas are flat. 15° to 30 <input checked="" type="checkbox"/> Some sloped roof on Northern area. > 30° <input type="checkbox"/>	Roof Height (m): Flat roof – 6.6 m Top of saw tooth – 9.7 m
Gutter Details: Box Gutter <input checked="" type="checkbox"/> External Gutter <input checked="" type="checkbox"/>	Fragile Panels / areas: Glass in saw teeth (6mm double laminated)
Walkways <input checked="" type="checkbox"/> Other: Platforms <input checked="" type="checkbox"/> Fixed Ladders <input checked="" type="checkbox"/>	Parapet Details (height, construction): Parapets in place on flat roof Railing in other places
Description of Roof Plant: Air conditioners Venting pipes Aerial Cooling Towers	Number: Various Various 1 2
Other Details: Some unprotected roof edges. Static line in-situ to access Solar Panels Solar panels restrict access to some areas of the roof.	

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 roof unless under a work permit and a safe system of work for prevention of falls is implemented.
	Falling through fragile or non-trafficable roofing.	Rare x Severe Medium	ETFE inflatable skylight and polycarbonate sheeting are non-trafficable.
	Collision with rooftop plant & equipment	Rare x Moderate 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 Moderate Low	Do not commence works in extreme weather conditions which will adversely affect workers. Wear a hat in open sun.
	Working alone	Slight x Major High	A system to ensure lone worker's welfare, needs to be in place.
Other Information	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.		
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. 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

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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 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 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

