

Roof Safety Survey

GENERAL INFORMATION

CAMPUS: Wollongong Campus
BUILDING: Library (16)
DESCRIPTION: Original flat concrete roof surrounded by handrail and parapet. More recent extensions on the northern and eastern sides have a metal roof with anchor points but no parapet or handrails.
RISK ASSESSMENT # : UOW01585
ROOF ACCESS: Multiple access points from stairwells in building 16 & 17
 1) Main Access via Stair 6
 2) Secondary Access via Stair 5
 3) Via Building 17 Access from adjoining roof
 4) Awning Access via portable ladder on North west corner near cafe to connect to lifelines. Ladder brackets installed
SIGNAGE: Danger - No Access to Roof without a Buildings and Grounds Roof Access UOW Permit to work; Caution - Trip Hazard. Perimeter awning has access.
COMPLIANCE PLATES: No compliance plates - 10 anchor points on eastern awning, two (2) on either end of the upper northern awning, six (6) on the lower northern awning and two (2) on the western awning, two (2) lower roof
MARKED SAFE AREAS: Within handrailed and marked painted areas
ROOFING SYSTEM: TYPICAL ANCHORS
 Travel8 Static Line
HEIGHT OF BUILDING: 3 storey
PITCH: Flat
ROOF CONSTRUCTION: Concrete / Metal balconies
STRUCTURAL INTEGRITY: Uneven surfaces. Sound structure
VEGETATION: Nil
ADJOINING ROOFES: IT Resource Centre (17)

SERVICES:

Gutters	Yes
A/C Units	Yes
Exhaust Fans	Yes
Ducts	Yes
Roof Ventilators	Yes
Fume Cupboards	No
Telco Towers	2

Satellite Dishes	Yes
Antenna	Yes
Skylights Domes	No
Glass Skylights	No
Pipework	Yes
Cooling Tower	Yes

EXISTING SAFETY ITEMS:

Horizontal Lifelines	Yes
Anchor Points	Yes
Vertical Lifelines	No

Handrail	Yes
Walkway	No
Parapets	Yes

WORK ACTIVITY DETAILS:

Clean Gutters / Routine Maintainer	Yes
Service A/C Plant	Yes
Cooling Tower Maintenance	Yes

Frequency

Every 3 Months
Monthly
Monthly

Note: Before commencing any work obtain Roof Permit from Facilities Management Division

Roof Safety Survey

RISK ASSESSMENT

Risk Assessment / Task Location

BUILDING 16

Note: The hazards identified do not include hazards that related to specific work tasks. These should be identified in the Safe Work Method Statement (SWMS) of the contractor.

Hazard Identification		Risk Assessment & Control Measures		Risk Control
What is the Activity/Service Item	What are the potential Hazards	What is the Risk Level	List any Control Measures already Implemented	Describe what can be done to eliminate risk or reduce the harm
Access From Bldg 16 Stairwell	Negligible risk	Negligible	Fire Stair Access	Negligible risk
Access Concrete Roof within Handrail Area	Trip Hazards on Roof Area from pipework, air-conditioning services, electrical trays and steps. Negligible risk of falling if worker stays within handrail	Medium	Caution when crossing services, small section of Stairs	Additional Signage and demarcation
Access Color Bond Roof outside Handrail Area	Trip Hazard & Falling	High	Anchor Points	Harness to Anchor Points
Access to plantroom Roof	Falls from climbing. While on roof there is no protection from fall.	Medium	None	Ensure SWMS developed is followed by Contractors
Access to Roof	Unauthorised access	Medium	All access points to roof are locked and made secure so are not accessible by unauthorised persons; signage	Risk Assessment and Roof Safety Survey
General - Working on Roof	Leaves & Branches, Contractors rubbish	Medium	Maintenance	Continuing Maintenance/cleaning
Antenna Maintenance	RF hazard	High	Refer to RF website: www.rfnsa.com.au/nsa/index.cgi	Adequate signage required and demarkation
A/C Maintenance	Refer to SWMS of contractor	Medium	Currently not near a roof edge	Ensure SWMS developed is followed by Contractors
Cleaning of Drains on Concrete Roof	Negligible risk	Low	Handrail Provided	Negligible risk
Cleaning of Gutters on Concrete Roof	Trip Hazard & Falling	Medium	Anchor Points	Harness to Anchor Points
Maintenance of Telco Towers	Refer to SWMS of Telco	Medium	The Telco Contractors have their own controls	Telco Responsibility
General	Trip Hazard - Horizontal Lifeline or Anchor Points	Medium	Signage & System is visible	Be aware of location of horizontal lifeline & anchor points
General	Environmental Hazards - Spiders, Wasps, and other insects	Medium	Appropriate PPE and insect repellent and Pest control as required	On-going pest control measures
General	Weather Trips/Slips - Wet Roofs	Medium	No access to Colorbond roof in wet weather. If accessing concrete roof, be careful while walking over slippery services	No access to Colorbond roof in wet weather. Only access roof in rain when necessary. Be careful working around slippery services.
General	Weather - Hot Conditions	Medium	Thermal Comfort Guidelines	Use sun cream, hats and remain hydrated and take appropriate breaks

Reference Documentation

Legislation

NSW Work Health and Safety Regulation 2017 Part 4.4 Falls
Public Health (Microbial Control) Regulation 2000

Australian Standards

AS 1657 - 2013 : Fixed platforms, walkways, stairways and ladders - Design, construction and installation
AS 1891.1 - 2007 : Industrial fall-arrest systems and devices - Harnesses and ancillary equipment
AS 1891.2 - 2001 : Industrial fall-arrest systems and devices - Horizontal lifeline and rail systems
AS 1891.3 - 1997 : Industrial fall-arrest systems and devices - Fall-arrest devices
AS 1891.4 - 2009 : Industrial fall-arrest systems and devices - Selection, use and maintenance
AS 2210.1 - 2010 : Safety, protective and occupational footwear - Guide to selection, care and use
AS 3666- 2011 : Air-handling & Water Systems for Buildings - Microbial Control
AS 4994.1 - 2009 : Temporary edge protection - General requirements
AS 4994.2 - 2009 : Temporary edge protection - Roof edge protection - Installation and dismantling
AS 5532 - 2013 : Manufacturing requirements for single-point anchor device used for harness-based work at height

Code of Practice

SafeWork NSW - Manage the risk of falls in the workplace
NSW Health Department Code of Practice for the Control of Legionnaires' Disease

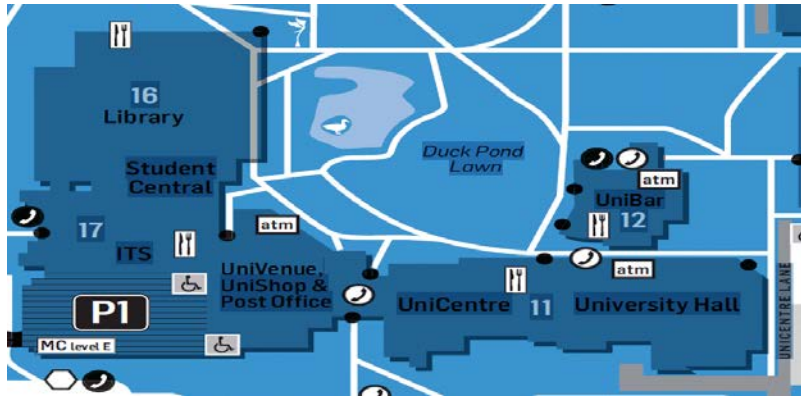
UOW Documentation

Managing the Risk of Falls Guidelines
Thermal Comfort Guidelines
UOW Roof Access Permit
UOW Roof Access Certificate

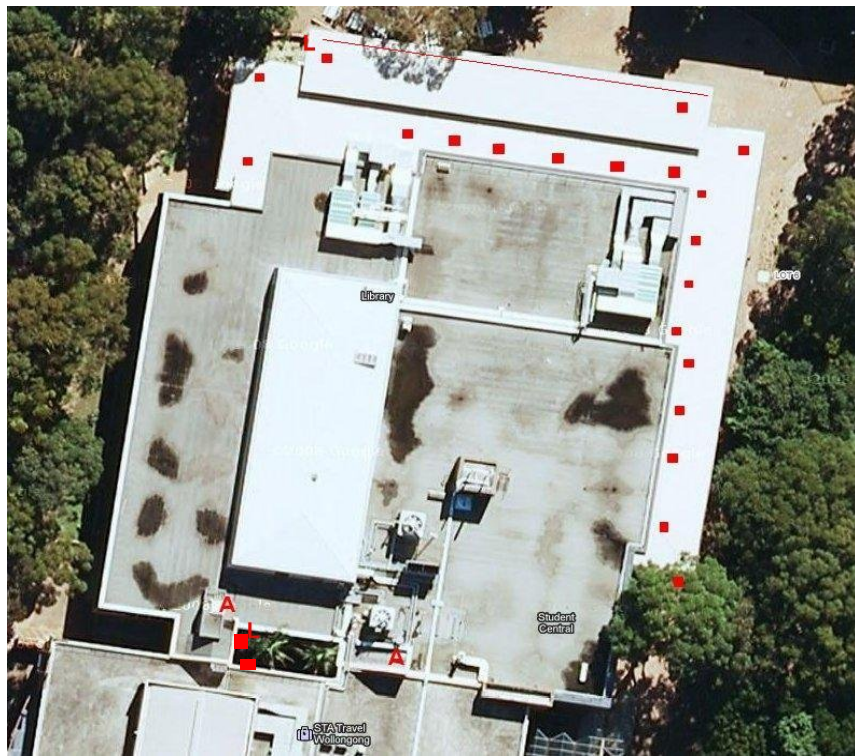
Other

[SALA - Fall Arrest and Height Safety Systems - Fall Protection Manual](#)
WorkCover - Safe Working at Heights Guide 2006
MCF Fact Sheets - Working safely around Radiofrequency (RF) Transmitters
Radio Frequency National Site Archive - <http://www.rfnsa.com.au/nsa/index.cgi>

Building 16 Roof Safety Assessment



Campus Map



- L - Location of ladder bracket
- A - Location of Access to roof
- - Location of anchor point
- Horizontal Lifeline

Building 16 Roof Safety Assessment



Looking East from main access point



Small Plantroom beside access stairs



Looking North from main access point on western side of building



Looking North onto balcony on western side of building

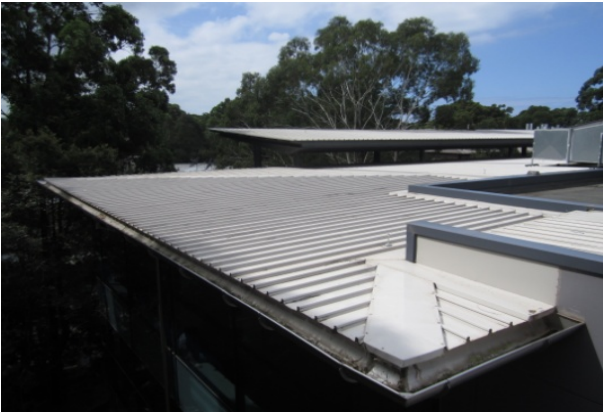


Looking North onto balcony on northern side of building



Pipework on roof

Building 16 Roof Safety Assessment



Position of anchor points on North west corner



Airconditioning unit on northern side of building



Cooling towers in centre of building and secondary access stairs



Library - Eastern balcony looking north



Ladder down to courtyard awning