

Roof Safety Survey

GENERAL INFORMATION

CAMPUS: Wollongong Campus
BUILDING: McKinnon Building (67)

DESCRIPTION: Four storey building with flat concrete roof and covered atrium area in the centre of the roof. All services are located away from the building edge. Short parapet offers little protection from falling hazards. A temporary ladder is required to access the telco equipment on the roof of the plantroom.

RISK ASSESSMENT #: UOW01625

ROOF ACCESS: Access to roof is from Stair 3 on the north western side of the building. There are points of entry:
 1. Directly onto roof
 2. Through the plantroom

SIGNAGE: Danger - No Access to Roof without a Buildings and Grounds Roof Access UOW Permit to work; Caution - Trip Hazard.

COMPLIANCE PLATE: None

SAFE WORK AREA: None

ROOFING SYSTEM: NA

HEIGHT OF BUILDING: 4 Storey

PITCH: Flat

ROOF CONSTRUCTION: Concrete Roof

STRUCTURAL INTEGRITY: Sound

VEGETATION: No

ADJOINING ROOFES: Nil

SERVICES:

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

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

EXISTING SAFETY ITEMS:

Horizontal Lifelines	No
Anchor Points	No
Vertical Lifelines	No

Handrail	No
Walkway	No
Parapets	Yes

400mm

WORK ACTIVITY DETAILS:

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

Frequency

Every 6 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 67

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 to Roof via plantroom door	Nil	L	Step access to roof from plant area	Minimum awareness
Access to roof from door on left of fire stair	Falling on immediate roof access	H	Nil	Dangerous roof access - do not use.
Access to Roof	Unauthorised access	M	All access points to roof are locked and made secure so are not accessible by unauthorised persons; signage	Risk Assessment and Roof Safety Survey
Covered Atrium	Falling when working on or in close proximity to	M	Nil	Establish temporary fall arrest system. Ensure SWP developed is followed by Contractors
Drainage Maintenance on Roof and Awnings	Falling	H	Nil	Access to perimeter drain outlet by extendable handle only. Access within 2 metres of roof edge prohibited.
Roof Plant Maintenance greater than 2m from roof edge	Refer to SWMS for contractor	M	Safe Work Procedure	Step to roof level - minimum awareness.
Roof Plant Maintenance within 2m from roof edge	Falling & Refer to SWMS for contractor	H	Nil	Establish temporary fall arrest system. Ensure SWP developed is followed by Contractors
Antenna Maintenance	Falling and Refer to SWMS of contractor - RF hazard	H	Safe work procedure	Ensure SWP developed is followed by Contractors
General	Environmental Hazards - Spiders, Wasps, and other insects	M	Appropriate PPE and insect repellent; Pest control as required	On-going pest control measures
General	Weather Trips/Slips - Wet Roofs	H	Safe Work Procedure, do not work on wet roof	Do not work while roofs are wet or have dew
General	Weather - Windy Condition	H	Safe Work Procedure, do not work in high wind conditions	Do not work in windy conditions
General	Weather - Hot Conditions	M	Safe Work Procedure	Use sunscreen, hats and remain hydrated and take appropriate breaks

Reference Documentation

Legislation

NSW Work Health and Safety Regulation 2011 Part 4.4 Falls

Public Health (Microbial Control) Regulation 2000

Australian Standards

AS 1657 - 1992 : 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 1892.5 - 2000 : Portable ladders - Selection, safe use and care

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

Code of Practice

WorkCover - Safe Work on Roofs. Part 1 - Commercial and industrial buildings

NSW Health Department Code of Practice for the Control of Legionnaires' Disease

UOW Documentation

Working at Heights Guidelines

Thermal Comfort Guidelines

UOW Roof Access Permit

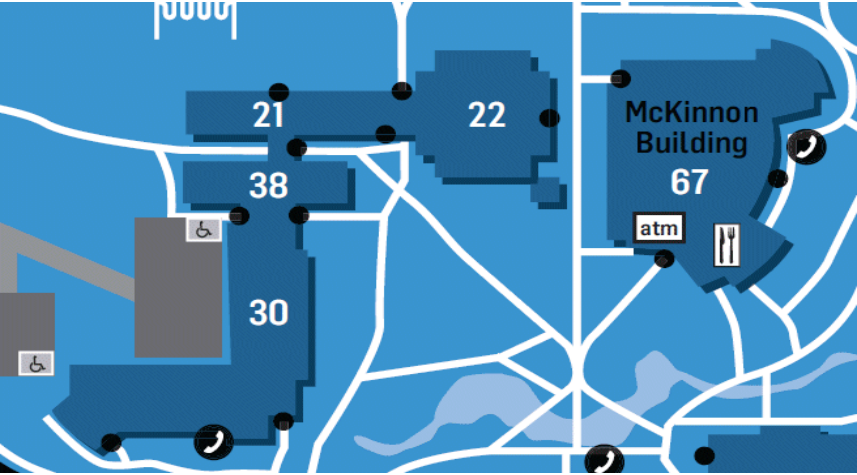
UOW Roof Access Certificate

Other

WorkCover - Safe Working at Heights Guide 2006

WorkCover Safety Guide - Portable Ladders February 1999

Building 67 Roof Safety Assessment



A - location of access to roof

Building 67 Roof Safety Assessment



Cover over atrium



Cooling tower



Microwave tower on plantroom roof



Access to roof from plantroom



Microwave tower on plantroom roof