

Roof Safety Survey

GENERAL INFORMATION

CAMPUS: Wollongong Campus
BUILDING: Educational and Clinic Building (22)
DESCRIPTION: Square shaped three storey metal roof building with pyramid shaped skylight in the centre which is surrounded by a horizontal lifeline. Parapets of different sizes around the building edge.
RISK ASSESSMENT #: UOW01651
ROOF ACCESS:
 Access to roof via internal roof access hatch - ceiling panel / fold down steps. There is a Manhole like access to the ceiling which requires opening and then folding down a ladder to access the roof. Similar to an "attic ladder" type system.
 Access to main roof via internal fold down ladder to ceiling in south west side of building. 6 foot portable ladder required to fold down access ladder. Upper roof access via roof access hatch.
 Access to side awnings via portable ladder. Anchors installed to awnings.
SIGNAGE: Nil
COMPLIANCE PLATES:
 Compliance plate for the horizontal lifeline is on the ground on the western side of the pyramid
SAFE WORK AREAS: None
ROOFING SYSTEM: SALA "SAYFGLIDA " LIFELINE.
HEIGHT OF BUILDING: 3 storey
PITCH: < 5 degrees
ROOF CONSTRUCTION: Metal Roof
STRUCTURAL INTEGRITY: Sound
VEGETATION: Yes
ADJOINING ROOFES: Nil

SERVICES:

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

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

EXISTING SAFETY ITEMS:

Horizontal Lifelines	Yes
Anchor Points	Yes
Vertical Lifelines	No

Handrail	Yes
Walkway	Yes
Parapets	Yes

150-500 mm

WORK ACTIVITY DETAILS:

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

Frequency

Every 6 weeks
Monthly
Every 3 months

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

Roof Safety Survey

RISK ASSESSMENT

Risk Assessment / Task Location

BUILDING 22

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 Building 21	Falling	H	fixed ladders / anchor points	Minimum awareness - All persons must connect to adjacent anchor point prior to accessing ramp.
Access to ramp / Skylights	Falling	H	step access to roof	Minimum awareness - All persons must connect to adjacent anchor point prior to accessing ramp.
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
Roof / gutter maintenance	Falling	H	Horizontal Lifeline & Anchors Installed	Ensure horizontal lifeline & anchors used correctly
Roof Plant Maintenance greater than 2m from roof edge	Refer to SWMS for contractor	M	Safe Work Procedure	Nil
Roof Plant Maintenance within 2m from roof edge	Falling & Refer to SWMS for contractor	H	Horizontal Lifeline & Anchors Installed	Ensure horizontal lifeline & anchors used correctly
Antenna Maintenance	Falling and Refer to SWMS of contractor	H	Anchor Points Installed	Ensure SWP developed is followed by Contractors
General	Trip Hazard - Roof Sheeting	M	Safe Work Procedure	Walkway or minimum awareness in Safe Work Procedure
General	Trip Hazard - Horizontal Lifeline or Anchor Points	M	Signage & System is visible	Be aware of location of horizontal lifeline & anchor points
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 - 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 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 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
AS 5532 - 2013 : Manufacturing requirements for single-point anchor device used for harness-based work at height

Code of Practice

SafeWork NSW - Managing the Risk of Falls at WorkPlaces
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

WorkCover - Safe Working at Heights Guide 2006
WorkCover Safety Guide - Portable Ladders February 1999

Building 22 Roof Safety Assessment

P - location of compliance plate B - ladder bracket
A - Access point
_____ Horizontal Lifeline



Old aerial view



Building 22 Roof Safety Assessment



View of Eastern aspect from Building 67



View South-East corner



B22 Awning ladder bracket



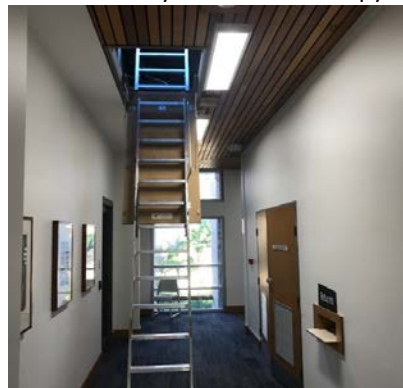
Fall restraint system around the pyramid skylight



View North-West corner



View North-East corner



B22 fold down ladder access



B22 roof cavity fold down ladder



B22 roof access hatch