Roof Safety Survey

GENERAL INFORMATION

CAMPUS: Wollongong Campus
BUILDING: Graduate School of Medicine (28)
DESCRIPTION: Modern two storey building with uneven metal roof surrounded by 600mm parapet. Different building sections accessed by climbing over small parapet and/or stile. Plantroom roof accessed by ladder on western side. Large flat glass roof atrium on northern side. Solar panels have been installed to the roof area.

RISK ASSESSMENT #: UOW01619
ROOF ACCESS: Access from first floor - (door S3) stair 3 up stairs through access Plantroom door onto landing

SIGNAGE: Access to various roofs via ladders. Some parapets require portable access

COMPLIANCE PLATES: Anchor points are tagged. Compliance plates located adjacent to horizontal lifelines (refer map).

SAFE WORK AREA: None
ROOFING SYSTEM: Vertic Lifeline
Typical Anchor

HEIGHT OF BUILDING: 3 storey
PITCH: < 5 degrees
ROOF CONSTRUCTION: Metal
STRUCTURAL INTEGRITY: Sound

VEGETATION: Nil

ADJOINING ROOFEES: Nil

SERVICES: Gutters Yes Satellite Dishes No
A/C Units No Antenna No
Exhaust Fans Yes Skylights Domes No
Ducts No Glass Skylights Yes
Roof Ventilators Yes Pipework No
Fume Cupboards No Cooling Tower No
Telco Towers No Solar Panels Yes

EXISTING SAFETY ITEMS: Horizontal Lifelines Yes Handrail No
Anchor Points Yes Walkway No
Vertical Lifelines No Parapets Yes

WORK ACTIVITY DETAILS: Clean Gutters / Routine Maintenance Yes Frequency Every 16 weeks

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

## RISK ASSESSMENT

### BUILDING 28

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.

<table>
<thead>
<tr>
<th>Activity/Service Item</th>
<th>What are the potential Hazards</th>
<th>What is the Risk Level</th>
<th>Risk Assessment &amp; Control Measures</th>
<th>Risk Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to Roof via Access Door</td>
<td>Fixed Stair/Ladder - Tripping/Falling</td>
<td>H</td>
<td>Maintain 3 points of connection to stair or ladder</td>
<td>Maintain 3 points of connection to stair or ladder</td>
</tr>
<tr>
<td>Access to Roof</td>
<td>Unauthorised access</td>
<td>M</td>
<td>All access points to roof are locked and made secure so are not accessible by unauthorised persons; signage</td>
<td>Risk Assessment and Roof Safety Survey</td>
</tr>
<tr>
<td>Access between roofs over parapet</td>
<td>Trip Hazard, Falling &amp; Personal Injury</td>
<td>M</td>
<td>Ladder to bridge the parapet</td>
<td>Maintain 3 points of connection to stair or ladder</td>
</tr>
<tr>
<td>Gutter Edge Maintenance</td>
<td>Falling</td>
<td>H</td>
<td>Horizontal Lifeline &amp; Anchors Installed</td>
<td>Ensure Horizontal Lifeline and Anchors used correctly</td>
</tr>
<tr>
<td>Exhaust Fan &amp; Roof Ventilator Maintenance</td>
<td>Falling &amp; Refer to SWMS of contractor for maintenance work</td>
<td>H</td>
<td>Horizontal Lifeline &amp; Anchors Installed</td>
<td>Ensure Horizontal Lifeline and Anchors used correctly</td>
</tr>
<tr>
<td>Glass Roofs</td>
<td>Falling near or through skylight. There is no safe access around the glazing.</td>
<td>H</td>
<td>Horizontal Lifelines can be used.</td>
<td>Signage and/or barriers to prevent access or as a minimum ensure Horizontal Lifeline and Anchors used correctly</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Horizontal Lifeline or Anchor Points</td>
<td>M</td>
<td>Signage and system is visible</td>
<td>Be aware of location of horizontal lifelines and anchor points.</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Roof Sheeting</td>
<td>M</td>
<td>Safe Work Procedure</td>
<td>Stay on walkways where installed</td>
</tr>
<tr>
<td>General</td>
<td>Environmental Hazards - Spiders, Wasps, and other insects</td>
<td>M</td>
<td>Appropriate PPE and insect repellent; Pest control as required</td>
<td>On-going pest control measures</td>
</tr>
<tr>
<td>General</td>
<td>Weather Trips/Slips - Wet Roofs</td>
<td>H</td>
<td>Safe Work Procedure, Do not work on wet roof</td>
<td>Looking west toward access door from eastern wall</td>
</tr>
<tr>
<td>General</td>
<td>Weather - Windy Condition</td>
<td>H</td>
<td>Safe Work Procedure, do not work in high wind conditions</td>
<td>Do not work in windy conditions</td>
</tr>
<tr>
<td>General</td>
<td>Weather - Hot Conditions</td>
<td>M</td>
<td>Safe Work Procedure</td>
<td>Use suncream, hats and remain hydrated and take appropriate breaks</td>
</tr>
</tbody>
</table>
Reference Documentation

Legislation
NSW Work Health and Safety Regulation 2017 Part 4.4 Falls

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 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

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

Other
Vertic Horizontal Lifeline System
WorkCover - Safe Working at Heights Guide 2006
Solar panels

Warning signs