Roof Safety Survey

**GENERAL INFORMATION**

**CAMPUS:** Wollongong Campus  
**BUILDING:** Graduate School of Medicine (28)  
**DESCRIPTION:** 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.  
**RISK ASSESSMENT #:** UOW01619  
**ROOF ACCESS:** Access from first floor - (unmarked door) stair 3 up stairs through access Plantroom door onto landing  

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

**SIGNAGE:** Danger - No Access to Roof without a Buildings and Grounds Roof Access UOW Permit to work  
**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 ROOFS:** 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 |  |  |

**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
## Risk Assessment

**Building 28 Roof Safety Assessment**

### Risk Assessment

**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>
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<tr>
<th>Hazard Identification</th>
<th>Risk Assessment &amp; Control Measures</th>
<th>Risk Control</th>
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<tbody>
<tr>
<td><strong>Activity/Service Item</strong></td>
<td><strong>What are the potential Hazards</strong></td>
<td><strong>What is the Risk Level</strong></td>
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<tr>
<td>Access to Roof via Access Door</td>
<td>Fixed Stair/Ladder - Tripping/Falling</td>
<td>H</td>
</tr>
<tr>
<td>Access to Roof</td>
<td>Unauthorised access</td>
<td>M</td>
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<tr>
<td>Access between roofs over parapet</td>
<td>Trip Hazard, Falling &amp; Personal Injury</td>
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<tr>
<td>Gutter Edge Maintenance</td>
<td>Falling</td>
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<tr>
<td>Exhaust Fan &amp; Roof Ventilator Maintenance</td>
<td>Falling &amp; Refer to SWMS of contractor for maintenance work</td>
<td>H</td>
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<tr>
<td>Glass Roofs</td>
<td>Falling near or through skylight. There is no safe access around the glazing.</td>
<td>H</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Horizontal Lifeline or Anchor Points</td>
<td>M</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Roof Sheetings</td>
<td>M</td>
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<tr>
<td>General</td>
<td>Environmental Hazards - Spiders, Wasps, and other insects</td>
<td>M</td>
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<tr>
<td>General</td>
<td>Weather Trips/Slips - Wet Roofs</td>
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<tr>
<td>General</td>
<td>Weather - Windy Condition</td>
<td>H</td>
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<tr>
<td>General</td>
<td>Weather - Hot Conditions</td>
<td>M</td>
</tr>
</tbody>
</table>
Reference Documentation

Legislation
NSW Work Health and Safety Regulation 2011 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
Safe Work Australia - Managing the Risk of Falls at Workplaces

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
P - location of compliance plate
A - location of access to roof
L - location of ladder

Horizontal Lifeline
Looking west toward access door from eastern wall

Roof looking north showing glass skylights

South west corner

Roof looking east

Looking east over glass skylights

Ladder to plantroom roof

Anchor points on top of the plantroom

Plantroom roof looking south towards a/c vent
SAFE USE OF “VERTIC” LIFELINE.

1. TYPICAL SYSTEM
2. OPEN SHUTTLE

3. SECURE SHUTTLE TO THE CABLE
4. INSTALL KARABINER TO SHUTTLE.

CONNECTION OF THE VERTIC SHUTTLE.
- Depress the large lever and slide over cable.
- Simultaneously depress the smaller lever and close the remaining shuttle over the cable.
- Release both levers.
- Install Karabiner through the “D” loop and close screw gate firmly.
TYPICAL ANCHORS