Roof Safety Survey

**GENERAL INFORMATION**

**CAMPUS:** Wollongong Campus  
**BUILDING:** Communications Centre (20)

**DESCRIPTION:** Building consists of single storey original pentagon shaped lecture theatre with metal roof and two storey office building added later. Additional awning added to the north and south eastern sides have horizontal lifeline and Anchor points. Ladder and vertical lifeline to access Office roof.

**RISK ASSESSMENT #:** UOW01613

**ROOF ACCESS:** Two access points  
1) From offices Level 2 beside stairs onto landing  
2) From lecture theatre Via stairway in foyer to plant room - ladder through locked hatchway to centre of roof - ladders to various roof areas  
3) Awnings Access to Awnings with portable ladders at ladder bracket locations

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

**COMPLIANCE PLATES:** Various located adjacent to fall arrest systems - refer map

**SAFE WORK AREA:** Within handrail services areas on walkway/landings above lecture theatres

**ROOFING SYSTEM:** SALA “SAYFGLIDA & SAYF8” LIFELINE.  
SALA “LADSAFE” VERTICAL LIFELINE.  
**TYPICAL ANCHORS**  
LAD-SAF® x3 SLEEVE

**HEIGHT OF BUILDING:** Two Storey Offices, single storey Lecture Theatres  
**PITCH:** 25 degrees towards centre  
**ROOF CONSTRUCTION:** Metal & Concrete Core  
**STRUCTURAL INTEGRITY:** Sound

**VEGETATION:** Nil

**ADJOINING ROOFES:**  
Gutters Yes  
A/C Units Yes  
Satellite Dishes Yes  
Antenna Yes  
Exhaust Fans Yes  
Skylights Domes Yes  
Ducts Yes  
Skylights No  
Roof Ventilators No  
Pipework Yes  
Fume Cupboards No  
Cooling Tower Yes  
Telco Towers No  

**SERVICES:**  
Horizontal Lifelines Yes  
Handrail Yes 1200 mm  
Anchor Points Yes  
Walkway Yes  
Vertical Lifelines Yes  
Parapets Yes 300 mm

**EXISTING SAFETY ITEMS:**

**Clean Gutters / Routine Maintenance**  
Yes  
Frequency  
Every 6 weeks  
Service A/C Plant Yes  
Cooling Tower Maintenance Yes  
Monthly  

**WORK ACTIVITY DETAILS:**

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

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## Building 20 Roof Safety Assessment

### Risk Assessment / Task Location

**Building 20**

### Risk Assessment

The hazards identified do not include hazards that relate 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>Potential Hazards</th>
<th>Risk Level</th>
<th>Control Measures Implemented</th>
<th>Control Measures Implemented</th>
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<tbody>
<tr>
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<td>Access to upper roof via Climbing Access Ladder</td>
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<tr>
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<td>Falling</td>
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<tr>
<td>Roof Plant Maintenance greater than 2m from roof edge</td>
<td>Refer to SWMS for contractor</td>
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<tr>
<td>Roof Plant Maintenance within 2m from roof edge</td>
<td>Falling &amp; Refer to SWMS for contractor</td>
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<tr>
<td>Antenna Maintenance</td>
<td>Falling and Refer to SWMS of contractor</td>
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<td>Air Conditioning Maintenance</td>
<td>Atmospheric contaminants; Legionnaires Disease from A/C Units</td>
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<tr>
<td>Skylights</td>
<td>Falling or through skylight</td>
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<td>General</td>
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<tr>
<td>General</td>
<td>Trip Hazard - Horizontal Lifeline or Anchor Points</td>
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<td>General</td>
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<td>Weather Trips/Slips - Wet Roofs</td>
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<td>General</td>
<td>Weather - Windy Condition</td>
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<tr>
<td>General</td>
<td>Safe use of equipment attachments</td>
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<tr>
<td>General</td>
<td>Weather - Hot Conditions</td>
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</tbody>
</table>

### Note:

- Signage and demarkation paint
- Vertical Fall Protection System installed on ladder
- Ensure vertical lifeline system is used correctly
- Risk Assessment and Roof Safety Survey
- Maintain 3 points of connection
- Ensure horizontal lifeline & anchors used correctly
- Nil
- Ensure SWP developed is followed by Contractors
- Continuing Maintenance
- Protective Gridmesh over the top or barricade, and signage
- Walkway or minimum awareness in Safe Work Procedure
- Be aware of location of horizontal lifeline & anchor points
- On-going pest control measures
- Do not work while roofs are wet or have dew
- New sala ladsaf x3 sleeve item number 6160052 must only be used with sala ladsafe systems. Do not use old style sala ladsafe sleeve.
- Use suncream, 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 - 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
Safe Work Australia - 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
SALA - Fall Arrest and Height Safety Systems - Fall Protection Manual
WorkCover - Safe Working at Heights Guide 2006
Building 20 Roof Safety Assessment

P - location of compliance plate
A - location of access to roof
L - location of ladder
B - ladder bracket
O - Skylight - Fragile roof

Horizontal Lifeline
Safe Roof Work Area
View south from office access

View of central air conditioning services from office access

A/C below platform

Looking back at door to Lecture theatre plantroom

Access door from Offices

Anchor point on outer roof

Access ladder to roof from Lecture theatre plantroom

Ladder to Office Roof

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Building 20  Roof Safety Assessment

Skylight above lecture theatres

Fall Restraint system above western landing

Fixed Ladder down to access Lecture Theatre access door

View north - east from office access

Roof above offices

Walkway and handrail around central services