Roof Safety Survey

GENERAL INFORMATION

CAMPUS: Wollongong Campus
BUILDING: Building 43

DESCRIPTION:
RISK ASSESSMENT #: UOW01638
Main Roof Access via Plant room door number 3P5D1 to enter cooling tower area
South roof area via door 3P5AD1 to exit cooling tower area
North side roof via mechanical plenum door number 3P11D1
North side window access via plant room door ground level GPA3D1, service corridor level 1 door number 1P13D1 and level 2 door number 2P13D1

ROOF ACCESS:
SIGNAGE: Nil
Anchor points are tagged, Systems have compliance plates installed adjacent to the systems.

COMPLIANCE PLATES: Yes
SAFE WORK AREA: Yes
ROOFING SYSTEM: Anchors
RIS hammer head lifeline
RIS overhead rail

HEIGHT OF BUILDING:
PITCH: < 5 degrees

ROOF CONSTRUCTION:
STRUCTURAL INTEGRITY: Metal
Sound

VEGETATION: No

ADJOINING ROOFS: Nil

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

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

WORK ACTIVITY DETAILS:
| Clean Gutters / Routine Maintenance |

Frequency

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

HRD-WHS-REF-592.2 2018 January
## Roof Safety Survey

**RISK ASSESSMENT**

<table>
<thead>
<tr>
<th>What is the 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 Doors</td>
<td>Falling</td>
<td>H</td>
<td>Attach to anchor point fixed inside doors prior to opening to access window platforms, twin tail access required</td>
<td>Use extreme caution when accessing roof. Use of anchor points required when accessing materials to roof</td>
</tr>
<tr>
<td>Access to roofs via fixed ladders</td>
<td>Falling</td>
<td>M</td>
<td>Maintain three points of contact</td>
<td>Work with caution</td>
</tr>
<tr>
<td>Access to West and East window ledgers</td>
<td>Restricted access</td>
<td>H</td>
<td>EWP and traffic control Requirement</td>
<td>Area to be accessed via EWP and specific SWMS to be implemented</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>Gutter Maintenance</td>
<td>Falling</td>
<td>H</td>
<td>Connect to fall arrest systems</td>
<td>Ensure the Fall Restraint Systems are used correctly</td>
</tr>
<tr>
<td>Exhaust Fan &amp; Duct Maintenance</td>
<td>Falling &amp; Refer to SWMS for contractor</td>
<td>H</td>
<td>Horizontal Lifeline &amp; Anchors Installed</td>
<td>Ensure horizontal lifeline &amp; anchors used correctly</td>
</tr>
<tr>
<td>Fume Cupboard Maintenance greater than 2m from edge</td>
<td>Refer to SWMS of contractor</td>
<td>M</td>
<td>Walkways installed</td>
<td>Ensure SWMS of contractor is followed</td>
</tr>
<tr>
<td>Fume Cupboard Maintenance within 2m of edge</td>
<td>Falling and Refer to SWMS of contractor</td>
<td>M</td>
<td>Horizontal Lifeline &amp; Anchors Installed</td>
<td>Ensure horizontal lifeline &amp; anchors used correctly</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>Trip Hazard - Anchor Points</td>
<td>M</td>
<td>Signage and system is visible</td>
<td>Be aware of location of anchor points</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>Do not work while roofs are wet or have dew</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 sunscreen, hats and remain hydrated and take appropriate breaks</td>
</tr>
</tbody>
</table>

**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.
Reference Documentation

Legislation
NSW Work Health and Safety Regulation 2011 Part 4.4 Falls

Australian Standards
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

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

UOW Documentation
Working at Heights 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
WorkCover Safety Guide - Portable Ladders February 1999
Roofsafe Industrial Safety Operations & Maintenance Manual
Access Door to Roof
A - location of ladder bracket for access to roof
- Anchor points

D Lifeline
- Non compliant system
B43 North roof access

B43 north roof

B43 south roof
B43 EW corner systems not certified

B43 SE corner systems not certified