Roof Safety Survey

GENERAL INFORMATION
CAMPUS: Wollongong Campus
BUILDING: Materials Engineering (1)
DESCRIPTION: Two storey low pitched metal roof with flat raised enclosed central services area containing air conditioning unit, and fume cupboard vents. Exit through gate down to walkway via horizontal lifelines to access Building 4 roof (via Highbay Workshop or covered passageway).

RISK ASSESSMENT #: UOW01588

ROOF ACCESS:
Access from Plantroom (S2 on Level 2) - there is a 5 metre high ladder stair up to a landing - access onto roof through door onto enclosed services walkway area. Access to roof proper through gate to the left of access door to plantroom.

SIGNAGE: Nil

COMPLIANCE PLATES: Located on gate beside access door from plant - 1 continuous Horizontal lifeline around building perimeter

MARKED SAFE AREAS: Enclosed landing in middle of building that is immediately accessed from the roof Access door

ROOFING SYSTEM: SALA “SAYFGLIDA & SAYF8” LIFELINE.

HEIGHT OF BUILDING: 2 storey
PITCH: < 5 degrees
ROOF CONSTRUCTION: Metal
STRUCTURAL INTEGRITY: Sound

VEGETATION: Yes

ADJOINING ROOFES: Engineering (4)

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

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

WORK ACTIVITY DETAILS:
- Clean Gutters / Routine Maintenance: Yes
- Service A/C Plant: Yes
- Fume Cupboards: 1

Frequency
- Every 10 weeks
- Monthly
- Six Monthly

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

**RISK ASSESSMENT**

**Risk Assessment / Task Location** BUILDING 1

**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>Hazard Identification</th>
<th>Risk Assessment &amp; Control Measures</th>
<th>Risk Control Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>What is the Activity/Service Item</strong></td>
<td><strong>What are the potential Hazards</strong></td>
<td><strong>List any Control Measures already Implemented</strong></td>
</tr>
<tr>
<td>Access from Bldg 1 to Bldg 4</td>
<td>Walkway within 2m of edge - Falling</td>
<td>H Keep clear of roof edge</td>
</tr>
<tr>
<td>Access to Roof</td>
<td>Unauthorised access</td>
<td>M</td>
</tr>
<tr>
<td>Access to Roof</td>
<td>Trip Hazard where the Horizontal Lifeline crosses walkway.</td>
<td>M Caution when stepping over lifeline</td>
</tr>
<tr>
<td>Working on Roof</td>
<td>Trip Hazard from pipe</td>
<td>M Caution when stepping over services</td>
</tr>
<tr>
<td>Working on Roof</td>
<td>Leaves &amp; Branches</td>
<td>L Maintenance</td>
</tr>
<tr>
<td>Gutter Maintenance</td>
<td>Falling</td>
<td>H Horizontal Lifeline Installed</td>
</tr>
<tr>
<td>Plant Equipment</td>
<td>Refer to SWMS of contractor</td>
<td>L Currently not near a roof edge</td>
</tr>
<tr>
<td>Exhaust Fan &amp; Vents Maintenance</td>
<td>Refer to SWMS of contractor</td>
<td>L Currently not near a roof edge</td>
</tr>
<tr>
<td>Air Conditioning Maintenance</td>
<td>Atmospheric contaminants; Legionnaires Disease from A/C Units</td>
<td>M Regular inspection and cleaning of Air filters; intakes and exhausts; ductwork and cooling towers</td>
</tr>
<tr>
<td>Fume Cupboard Maintenance</td>
<td>Fume Cupboard Emissions</td>
<td>M Nil</td>
</tr>
<tr>
<td>General</td>
<td>Drops - falling objects</td>
<td>M Barracade surrounding area if required; Signage - Caution Workers Overhead; Working at Heights Guidelines - Falling Objects.</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Roof Sheeting</td>
<td>M Some walkway provided</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Horizontal Lifeline or Anchor Points</td>
<td>M Signage &amp; System is visible</td>
</tr>
<tr>
<td>General</td>
<td>Climbing ladder</td>
<td>M Maintain 3 points of contact; Signage; and Working at Heights Guidelines - Working from Ladders</td>
</tr>
<tr>
<td>General</td>
<td>Environmental Hazards - Spiders, Wasps, and other insects</td>
<td>M Appropriate PPE and insect repellent and Pest control as required</td>
</tr>
<tr>
<td>General</td>
<td>Weather Trips/Slips - Wet Roofs</td>
<td>H Safe Work Procedure, no work while roof are wet</td>
</tr>
<tr>
<td>General</td>
<td>Weather - Windy Condition</td>
<td>H Safe Work Procedure, no working on roof in high wind condition</td>
</tr>
<tr>
<td>General</td>
<td>Weather - Hot Conditions</td>
<td>M Thermal Comfort Guidelines</td>
</tr>
</tbody>
</table>
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 2243.8 - 2006 : Safety in Laboratories - Fume Cupboards
AS 2243.9 - 2009 : Safety in Laboratories - Recirculating Fume Cabinets
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
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
Building 1 Roof Safety Assessment

Safe work area
Access door and compliance plate

Ladder to roof access

Horizontal lifeline on roof proper looking to west

Horizontal lifeline on roof proper looking to east