Building 16 Roof Safety Assessment

Roof Safety Survey

GENERAL INFORMATION
CAMPUS: Wollongong Campus
BUILDING: Library (16)
DESCRIPTION: Original flat concrete roof surrounded by handrail and parapet. More recent extensions on the northern and eastern sides have a metal roof with anchor points but no parapet or handrails.

RISK ASSESSMENT #: UOW01585
ROOF ACCESS: Multiple access points from stairwells in building 16 & 17
1) Main Access via Stair 6
2) Secondary Access via Stair 5
3) Via Building 17 Access from adjoining roof
4) Awning Access via portable ladder on North west corner near cafe to connect to lifelines. Ladder brackets installed

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

COMPLIANCE PLATES: No compliance plates - 10 anchor points on eastern awning, two on either end of the upper northern awning, six on the lower northern awning and two on the western awning

MARKED SAFE AREAS: Within handrailed and marked painted areas

ROOFING SYSTEM: Original flat concrete roof surrounded by handrail and parapet. More recent extensions on the northern and eastern sides have a metal roof with anchor points but no parapet or handrails.

HEIGHT OF BUILDING: 3 storey
PITCH: Flat
ROOF CONSTRUCTION: Concrete / Metal balonies
STRUCTURAL INTEGRITY: Uneven surfaces. Sound structure
VEGETATION: Nil

ADJOINING ROOFES: IT Resource Centre (17)

SERVICES:

<table>
<thead>
<tr>
<th>Service</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gutters</td>
<td>Yes</td>
</tr>
<tr>
<td>A/C Units</td>
<td>Yes</td>
</tr>
<tr>
<td>Exhaust Fans</td>
<td>Yes</td>
</tr>
<tr>
<td>Ducts</td>
<td>Yes</td>
</tr>
<tr>
<td>Roof Ventilators</td>
<td>Yes</td>
</tr>
<tr>
<td>Fume Cupboards</td>
<td>No</td>
</tr>
<tr>
<td>Telco Towers</td>
<td>2</td>
</tr>
<tr>
<td>Satellite Dishes</td>
<td>Yes</td>
</tr>
<tr>
<td>Antenna</td>
<td>Yes</td>
</tr>
<tr>
<td>Skylights Domes</td>
<td>No</td>
</tr>
<tr>
<td>Glass Skylights</td>
<td>No</td>
</tr>
<tr>
<td>Pipework</td>
<td>Yes</td>
</tr>
<tr>
<td>Cooling Tower</td>
<td>Yes</td>
</tr>
</tbody>
</table>

EXISTING SAFETY ITEMS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Lifelines</td>
<td>Yes</td>
</tr>
<tr>
<td>Anchor Points</td>
<td>Yes</td>
</tr>
<tr>
<td>Vertical Lifelines</td>
<td>No</td>
</tr>
<tr>
<td>Handrail</td>
<td>Yes</td>
</tr>
<tr>
<td>Walkway</td>
<td>No</td>
</tr>
<tr>
<td>Parapets</td>
<td>Yes</td>
</tr>
</tbody>
</table>

WORK ACTIVITY DETAILS:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Gutters / Routine Mainten</td>
<td>Every 3 Months</td>
</tr>
<tr>
<td>Service A/C Plant</td>
<td>Monthly</td>
</tr>
<tr>
<td>Cooling Tower Maintenance</td>
<td>Monthly</td>
</tr>
</tbody>
</table>

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

**RISK ASSESSMENT**

**Building 16 Roof Safety 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>
<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>List any Control Measures already Implemented</th>
<th>Describe what can be done to eliminate risk or reduce the harm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access From Bldg 16 Stairwell</td>
<td>Negligible risk</td>
<td>Negligible</td>
<td>Fire Stair Access</td>
<td>Negligible risk</td>
</tr>
<tr>
<td>Access Concrete Roof within Handrail Area</td>
<td>Trip Hazards on Roof Area from pipework, air-conditioning services, electrical trays and steps. Negligible risk of falling if worker stays within handrail</td>
<td>Medium</td>
<td>Caution when crossing services, small section of Stairs</td>
<td>Additional Signage and demarcation</td>
</tr>
<tr>
<td>Access Color Bond Roof outside Handrail Area</td>
<td>Trip Hazard &amp; Falling</td>
<td>High</td>
<td>Anchor Points</td>
<td>Harness to Anchor Points</td>
</tr>
<tr>
<td>Access to plantroom Roof</td>
<td>Falls from climbing. While on roof there is no protection from fall.</td>
<td>Medium</td>
<td>None</td>
<td>Ensure SWMS developed is followed by Contractors</td>
</tr>
<tr>
<td>Access to Roof</td>
<td>Unauthorised access</td>
<td>Medium</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>General - Working on Roof</td>
<td>Leaves &amp; Branches, Contractors rubbish</td>
<td>Medium</td>
<td>Maintenance</td>
<td>Continuing Maintenance/cleaning</td>
</tr>
<tr>
<td>Antenna Maintenance</td>
<td>RF hazard</td>
<td>High</td>
<td>Refer to RF website: <a href="http://www.rfnsa.com.au/nsa/index.cgi">www.rfnsa.com.au/nsa/index.cgi</a></td>
<td>Adequate signage required and demarkation</td>
</tr>
<tr>
<td>A/C Maintenance</td>
<td>Refer to SWMS of contractor</td>
<td>Medium</td>
<td>Currently not near a roof edge</td>
<td>Ensure SWMS developed is followed by Contractors</td>
</tr>
<tr>
<td>Cleaning of Drains on Concrete Roof</td>
<td>Negligible risk</td>
<td>Low</td>
<td>Handrail Provided</td>
<td>Negligible risk</td>
</tr>
<tr>
<td>Cleaning of Gutters on Concrete Roof</td>
<td>Trip Hazard &amp; Falling</td>
<td>Medium</td>
<td>Anchor Points</td>
<td>Harness to Anchor Points</td>
</tr>
<tr>
<td>Maintenance of Telco Towers</td>
<td>Refer to SWMS of Telco</td>
<td>Medium</td>
<td>The Telco Contractors have their own controls</td>
<td>Telco Responsibility</td>
</tr>
<tr>
<td>General</td>
<td>Trip Hazard - Horizontal Lifeline or Anchor Points</td>
<td>Medium</td>
<td>Signage &amp; System is visible</td>
<td>Be aware of location of horizontal lifeline &amp; anchor points</td>
</tr>
<tr>
<td>General</td>
<td>Environmental Hazards - Spiders, Wasps, and other insects</td>
<td>Medium</td>
<td>Appropriate PPE and insect repellent and 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>Medium</td>
<td>No access to Colorbond roof in wet weather. If accessing concrete roof, be careful while walking over slippery services</td>
<td>No access to Colorbond roof in wet weather. Only access roof in rain when necessary. Be careful working around slippery services</td>
</tr>
<tr>
<td>General</td>
<td>Weather - Hot Conditions</td>
<td>Medium</td>
<td>Thermal Comfort Guidelines</td>
<td>Use sun cream, hats and remain hydrated and take appropriate breaks</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 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
MCF Fact Sheets - Working safely around Radiofrequency (RF) Transmitters
Campus Map

- Location of ladder bracket
- Location of Access to roof
- Location of anchor point
- Horizontal Lifeline
Looking East from main access point

Looking North from main access point on western side of building

Looking North onto balcony on northern side of building

Small Plantroom beside access stairs

Looking North onto balcony on western side of building

Pipework on roof
Position of anchor points on North west corner

Airconditioning unit on northern side of building

Cooling towers in centre of building and secondary access stairs

Library - Eastern balcony looking north

Ladder down to courtyard awning
GUIDE LINE ONLY

THIS OPERATION MANUAL SHOULD BE CONSIDERED A GUIDE ONLY. ALL PERSONS USING THE EQUIPMENT LISTED IN THIS MANUAL MUST BE COMPETENTLY TRAINED. "THE INSTALLER" INSTALLS SYSTEMS ONLY AND DOES NOT MANUFACTURE THE SYSTEMS. END USERS TO ENQUIRE WITH "THE MANUFACTURER" (BULLIVANTS) AT THEIR OWN DISCRETION. ALWAYS FOLLOW MANUFACTURERS INSTRUCTIONS.

TYPICAL ANCHORS
TRAVEL 8
PERMANENT STATIC
LINE SYSTEM

The Travel 8 Permanent Static Line is a proprietary fall arrest system suitable for multiple users. The system provides continuous attachment and effective fall protection across roof surfaces and other elevated areas to which safe access is required. The system incorporates low profile, high quality componentry which can be used in horizontal, vertical and overhead applications using the required system traveller.

> Advanced energy absorbing and multi user capability
> Smooth intermediate pass through system using the Pilot Traveller
> Various adaptable mounting facilities
> Simple installation using modular componentry
> Low profile system blends in with surroundings

THIS USER MANUAL MUST BE READ AND UNDERSTOOD PRIOR TO USE OF THIS SYSTEM
IMPORTANT USAGE & MAINTENANCE INSTRUCTIONS

MUST BE READ PRIOR TO USE

1. Prior to use, ensure all operating procedures have been read and understood.

2. This system is only to be used by competent persons who have experience and training in the safe use of the system and associated equipment.

3. Ensure all associated risks are identified and controlled prior to use of this system.

4. This system will require periodical inspection and maintenance by a qualified height safety inspector. The system must not be used if the current date exceeds the due service date.

5. A rescue plan must be devised and be ready to be implemented prior to usage of this system.

6. Authorisation to enter any risk area must be obtained from the person in control of the workplace prior to accessing.

7. Only approved full body harness, lanyards and fall arrest device with energy absorber certified to Australian Standard AS/NZS 1891, to be used with this system.

8. Visually inspect the system for damage prior to use. System must not be used if there is any deterioration or deformation of any components or structure to which the system is attached.

9. In the event of a fall and/or damage to the system, usage must be prohibited until the system has been fully inspected and recertified by a qualified height safety equipment inspector.

10. Applicable Australian Standards, OHS Acts and Regulations, Codes of Practice and Guidelines must be read and adhered to prior to use of this system.

Failure to follow all warnings, usage and maintenance instructions may result in serious injury or death.
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<th></th>
</tr>
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<td>SYSTEM LIMITATIONS</td>
<td>05</td>
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<td>PROCEDURE FOR SAFE USE OF THE SYSTEM/ EQUIPMENT</td>
<td>06</td>
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<td>SYSTEM MAINTENANCE AND INSPECTION REQUIREMENTS</td>
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</tr>
</tbody>
</table>

Failure to follow all warnings, usage and maintenance instructions may result in serious injury or death.
IT IS IMPORTANT TO KNOW AND UNDERSTAND THE SYSTEM COMPONENTS, CONFIGURATION AND USES OF THE SYSTEM.

SL1 \ TOP MOUNT STATIC LINE CONFIGURATION

END STANCHION - SL203
This provides a secure termination anchorage for the cable.

ENERGY ABSORBER - SL 215
Designed to deploy under excessive load limiting forces on the system and operator.

INTERMEDIATE - SL 209.10
To support the cable and reduce forces on the end stanchions.

CORNER - SL 223
Supports a change in the direction of the cable.

LINE TENSIONER - SL 218
Ensures line tension can be adjusted after installation and during maintenance.

ANCHORAGE CABLE - SL 230
Stainless steel cable to which the system traveller attaches.

SYSTEM TRAVELLER - SL 227
The device to which the operator’s harness/lanyard attaches during use. This unit attaches to the anchorage cable.
SYSTEM LIMITATIONS

Only to be used by competent persons with proof of training by registered training organisation in height safety and fall arrest systems.

Only Australian Standards certified harness gear to be used.

Only to be used with approved system traveller.

Not to be used on slopes exceeding 30°

Do not exceed allowed number of persons per span.

Do not tamper with system components.

Not to be used for tethering or lifting machinery

System must be periodically checked by qualified height safety equipment inspector.
Ensure all workplace OH&S requirements are identified and understood. A risk assessment with a safe work method procedure must be completed and approved by management.

Ensure the limitations of this system have been read, understood and implemented prior to use of this system.

Check the system has been serviced/recertified in accordance with Australian Standards and manufacturer recommendations. System must not be used if due service date exceeds current date.

Line tension must be sufficient so that the line is not resting on the roofdeck. Tensioning of the line must be only done by a competent person.

Ensure all fixings, fittings and attachment hardware are secured. Any tightening and replacement of attachment hardware must be done by a competent person.

Any damage/deterioration of the structure must be reported and the system decommissioned until analysed and recertified by a competent person.

Check the energy absorber for signs of deployment. Should the red indicator be visible, this indicates the system has sustained an abnormal load. The system must not be used until checked and recertified by a competent person.
PROCEDURE FOR SAFE USE
OF THE TRAVEL8 STATIC LINE SYSTEM

STEP 1

Ensure a full body harness and suitable rope line is used with this system!

- Harness Gear must be certified to Australian Standards AS/NZ 1981
- Travel 8 system must be used with a tear-web lanyard connected to rear dorsal ring of harness.
- Ensure Harness Gear serviceability dates are current.

STEP 2

Only the Pilot shuttle must be used with Travel 8 static line system!

STEP 3

Approach static line system from a ‘Safe Zone’ i.e. no risk of fall or injury.

STEP 4

Pilot shuttle must be fitted correctly to Travel 8 static line system!
PROCEDURE FOR SAFE USE
OF THE TRAVEL8 STATIC LINE SYSTEM

STEP 4A
Remove karabiner.

STEP 4B
Slide latch to open position.

STEP 4C
Place onto cable.

STEP 4D
Flip shuttle over and slide latch to closed position.

CALL 1300 301 755
PROCEDURE FOR SAFE USE
OF THE TRAVEL8 STATIC LINE SYSTEM

STEP 4E
Insert karabiner.

Ensure Shuttle is securely attached to cable and Karabiner
screw gate is closed and locked.

STEP 4F
Shuttle is ready to use!

STEP 5
Attach lanyard to Pilot shuttle karabiner.

Rope line must be attached to harness via tear-web energy
absorbing lanyard.

STEP 6
Adjust rope line to a safe and comfortable
distance to traverse roof.

Maintain close proximity to static line for optimum safety and
shuttle traversing.
STEP 7

Once in line with area to be accessed, payout rope line evenly toward roof edge.

⚠️ Ensure NO slack rope line!

STEP 8

Ensure there is NO possibility of pendulum when at fall edge!

⚠️ User must remain in restraint at all times limiting access beyond the fall edge ie: NO slack rope line!

STEP 9

Use diversion anchorage to access corners or possible pendulum areas.

Attach rope line to diversion anchorage using Karabiner.

STEP 10

Disconnecting from the system – return to Static Line keeping rope line tensioned.

⚠️ Ensure there is no risk of a fall at detachment location!
PROCEDURE FOR SAFE USE
OF THE TRAVEL8 STATIC LINE SYSTEM

STEP 11
Disconnect Pilot shuttle.

STEP 12
Harness equipment must be stored in carry bag provided and kept in a dry environment.

⚠️ Any damage to Harness Gear or Static Line system during use, MUST be reported to the workplace manager.

STEP 13
Proceed safely back to the roof access point.
### System Maintenance and Inspection Requirements

- **Component/System in Good Working Order** and suitable for use until next due checking date.
- **Component/System Requires Attention** but is still suitable for use. Identify recertification works with suitable signage. Arrange for recertification using qualified system installer.
- **Component/System is Not Safe for Use.** Prohibit use of system and attach suitable ‘out of service’ signage. Arrange for recertification using qualified system installer.

<table>
<thead>
<tr>
<th>Component</th>
<th>Inspection Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>End Stanchion</strong>&lt;br&gt;Code: SL203</td>
<td>![End Stanchion Image] Unit to structure secure&lt;br&gt;All fixings secure&lt;br&gt;No evidence of roof leaks&lt;br&gt;No visible damage to unit/structure&lt;br&gt;Other:</td>
</tr>
<tr>
<td><strong>Energy Absorber</strong>&lt;br&gt;Code: SL215</td>
<td>![Energy Absorber Image] Secure attachment to end stanchion&lt;br&gt;Lock in pin circlip secure&lt;br&gt;No ‘red’ excessive load indicator visible&lt;br&gt;No visible damage to unit/structure&lt;br&gt;Other:</td>
</tr>
<tr>
<td><strong>Intermediate</strong>&lt;br&gt;Code: SL209</td>
<td>![Intermediate Image] Unit to structure secure&lt;br&gt;Cable support brackets secure&lt;br&gt;No evidence of roof leaks&lt;br&gt;No visible damage to unit/structure&lt;br&gt;Other:</td>
</tr>
<tr>
<td><strong>Corner</strong>&lt;br&gt;Code: SL223</td>
<td>![Corner Image] Unit to structure secure&lt;br&gt;Cable support brackets secure&lt;br&gt;All fixings secure&lt;br&gt;No evidence of roof leaks&lt;br&gt;No visible damage to unit/structure&lt;br&gt;Other:</td>
</tr>
</tbody>
</table>
THIS SYSTEM MUST ONLY BE MAINTAINED BY A CERTIFIED HEIGHT SAFETY EQUIPMENT INSPECTOR TRAINED IN THE SAFE USE & MAINTENANCE OF THIS SYSTEM.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>INSPECTION CRITERIA</th>
<th>😊</th>
<th>😊</th>
<th>😊</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LINE TENSIONER</strong></td>
<td>Secure attachment to end stanchion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CODE: SL213.10</strong></td>
<td>Lock in pin circlip secure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tension indicator disc can be rotated manually</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swaged cable termination secure, no evidence of slipping</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>All locknuts and fixings secure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No visible damage to unit/structure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ANCHORAGE CABLE</strong></td>
<td>No cuts or frays to cable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CODE: SL230</strong></td>
<td>Cable correctly tensioned i.e. not touching the roofdeck</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Securely attached to end stanchions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No visible damage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SYSTEM TRAVELLER</strong></td>
<td>Slide latch operates freely</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CODE: SL227</strong></td>
<td>Gap between tongue &amp; shuttle inner casing when closed and latched with karabiner 6mm max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Karabiner fits securely when slide latch closed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Karabiner gate lock device operates securely</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No visible damage to unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DATA PLATE</strong></td>
<td>Data plate attached nearby system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>**CODE: **</td>
<td>All relevant data completed as well as record of maintenance</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


13
SYSTEM CONFIGURATIONS

TYPICAL CONFIGURATIONS

Failure to follow all warnings, usage and maintenance instructions may result in serious injury or death.
TRAVEL8® PERMANENT STATIC LINE SYSTEM

The Travel 8 Permanent Static Line is a proprietary fall arrest system suitable for multiple users. The system provides continuous attachment and effective fall protection across roof surfaces and other elevated areas to which safe access is required. The system incorporates low profile, high quality componentry which can be used in horizontal, vertical and overhead applications using the required system traveller.

> Advanced energy absorbing ability and multi user capability
> Smooth intermediate pass through system using the Pilot Traveller
> Various adaptable mounting facilities
> Simple installation using standard componentry
> Low profile system blends in with surroundings

SPECIFICATION CODE

Travel 8 Static Line System (SL1) – Top Mount
Travel 8 Static Line System (SL2) – Concrete Mount
Travel 8 Static Line System (SL3) – Purlin Mount
**Specification Summary**
Supply and install the Travel 8 Static Line System as per supplier, Sayfa Systems, recommendations. System to incorporate applicable low impact end anchorages, intermediate line support anchorages, corner modules, line tensioners and shock absorption componentry as specified by the manufacturer. System to provide ‘pass through’ traveller action over intermediate line support anchorages ensuring freedom of movement and constant operator attachment to the system. System functions in horizontal, vertical and overhead applications using the applicable line traveller. (Refer instruction manual.)

**System Applications**
- Periodical maintenance of gutters and roof edges
- Provides high level safety for workmen and maintenance personnel
- Access to roof mounted plant and equipment
- Effective fall protection over brittle roof surfaces, skylights, glass, slate and asbestos roof decks

**Technical Data**
**Material**
316 stainless steel profiled plate assembly including: End stanchions, intermediates, corners, cable and connection devices.

**Dimensions**
- Attachment Cable – 8mm (7 x 7 strand)
- Cable Height off structure – 125mm to 150mm
- Intermediate Spacing – 6.0m to 8.0m intervals

**Cable Tension**
800 N – set with self-tensioning device

**Working Load Limit**
**User Weight Limit – 120kg (user & equipment)**
- Up to 4 users per line, determined by intermediate spacing and roof pitch
- Maximum roof pitch – 30°
- Support structure integrity, suitability and fixing method to be assessed and determined by a competent person prior to installation
- Travel 8 Static Line System must only be used with the approved Pilot Traveller device and harness system with energy absorber as per AS/NZS1891.1:2009 and AS/NZS1891.4:2009

**Fixings**
- Metal fixing – M14 stainless steel stud fixing
- Concrete fixing – M12 mechanical concrete anchor
- Metal roof deck fixing – 8mm construction grade Bulbitte rivets (Refer instruction manual.)

**Compliance**
Travel 8 Static Line System is designed and manufactured generally in accordance with requirements of Australian Standards AS/NZS1891.2:2001 and AS/NZS1891.4:2009 and relevant statutory OHS Codes of Practice/Guidelines.

**Testing**
Testing and performance based on requirements of Australian Standards AS/NZS1891.2:2001 and AS/NZS1891.4:2009. Following a dynamic load applied to the system, resultant reduced loads (due to energy absorbing characteristics) as follows:
- Intermediate – 6.48kN
- End stanchion – 8.56kN

**Product Warranty**
3 years from date of purchase subject to installation in accordance with manufacturer’s specifications and recommendations.

**Inspection and Maintenance**
Inspection and certification every 12 months by competent person in accordance with manufacturer’s specifications and requirements of Australian Standard AS/NZS1891.4:2009 Section (9). (Refer instruction manual.)

**Important Note**
Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.

**Technical Support**
Sayfa Systems
T \ 1300 301 755
F \ 1300 881 092
E \ technical@sayfa.com.au
W \ www.sayfa.com.au

Designed and manufactured by Sayfa Systems
Should you have a warranty claim as a result of a defect the following procedure must be followed:

Identify the following information:

- The product/system name and code number
- The date of purchase/installation
- The name of the installation company
- The installation identification number
- A description of the defect/warranty claim

Forward the above information to www.travel8-staticline/warranty or contact technical helpline: 1300 301 755.

WARRANTY TERMS & CONDITIONS

- All warranty claims must be made in writing within 14 days of the appearance of the defect.
- Incorrect installation or work done by a non accredited Travel8 system installer will void all warranty rights.
- Systems/components that have not been maintained in accordance with manufacturer’s/ legislative requirements will void all warranty rights.
- Systems used by incompetent personnel or use with non compatible accessories ie. harness gear, lanyards, travellers, fall arrestors etc., will void all warranty/rights.
- Systems/components used for purposes other than their intended use will void all warranty claims.
- General wear and tear is expected and will depend on the frequency of use and is not covered by the manufacturer’s warranty.

NEVER HAS SAFETY IN THE WORKPLACE HAD A HIGHER PRIORITY