| INSPECTION TEST PLAN AND CHECKLIST | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | | 46694R3 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| *W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work. | | | | | | | | | | |
| 1 | Tender and Testing conformance | Review specifications and performance standard requirements for project | Pre-contract Signing | Checklist | Confirm product is tested and designed to required project performance, international or national standards detailed in specifications at time of tender. | Tested to specification requirements ITP Checklist is relevant to product required | | | H | |
| 2 | Preliminary activities (requiring Principal's notification) | Notification provided of any changes in design or structures that effect products to be used | Before ordering products and Beginning Installation | Checklist | Specification, drawings remain unchanged since tender was accepted and contract signed or new plans and specifications are issued and reviewed, changes are accepted by client | Reviewed and changes do not alter quantities and types of products to be installed | Submit details of changes to client and agree to changes in scope or products to be used | | H | S |
| 3 | Preliminary activities (requiring Contractor's acceptance) | Approvals required obtained or safety documentation is supplied and induction requirements outlined | Before ordering products and Beginning Installation | Checklist | variations requested if required, SWMS sent for review and inductions organised. | Change of design or quantities is agreed to and variations issued is SWMS and Induction accepted and conducted | Documents sent and acceptance confirmed with Client | | H | W |
| 4 | pre installation site investigation/measure up completed confirmed. | Progress of work and condition of the structure is confirmed, visual inspection where required is completed for compatibility and suitability | Before installation | Checklist | structures match and conditions on site are suitable for installation to begin | Structural and physical characteristics match | Job pack issued to Installer with relevant ITP Checklist included | | H | S |

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Pre-Start/ Installation** | Plans and specifications have been reviewed and are current. Existing ITP checklists are suitable for project. Contract is signed | | | |
| | SWMS and any other documents have been provided, reviewed and accepted by the client | | | |
| | Variations outlined and agreed, no changes or additions are required, job pack and ITP are included to project file. | | | |
| | Site inspected or reviewed, structural match confirmed with materials ordered, instation surface condition is undamaged and installation ready | | | |

| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
|---|---|---|
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS HL200 Lifelines (To be completed by the person(s) directly responsible for the work and the installer) | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 01 | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| INSPECTION TEST PLAN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ref** | **Operation or stage of work** | | **Stage/ Frequency** | **Records** | **Requirement/ Standard/ Specification** | **Acceptance Criteria** | **Inspection/ Test Procedure** | **Inspection *what/who** | | |
| | **Description** | **Characteristics** | | | | | | **Installer** | **Install Supervisor** | **Client** |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS1891.2 1.4 System Acceptance Criteria a. AS5532 7.3 (h) AS1891.4 3.2.2. RIS HL200 Installation requirement | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Structure location compatibility match | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Position of line to fall zone | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Fall clearance | AS1891.2 1.4 System Acceptance Criteria a. 1891.4:2009 Section 7 | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Lifeline connections and swaging | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Maximum loading angle | AS1891.2 1.4 System Acceptance Criteria a. AS1891.2.5.3 Drilled-in anchorages. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Additional pendulum fixing points to roof allow safe transition and access | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS HL200 Installation requirement | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Work** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |

| | | | |
|---|---|---|---|
| Structure location compatibility match | Purlin connected by minimum M12 bolts each end of purlin.<br>Purlin details: C/Z15015 minimum size for attachment of anchor. | | |
| Lifeline length, Inline connection and swaging | 8mm cable with minimum static line length of 4m. End anchors installed with a minimum 2 x M12 bolts supporting the end termination Jaw Jaw or fork swage or quicklinks if applicable.<br>Intermediate anchors have a minimum of 1 x M12 bolt supporting the static line to the structure.<br>Each swage termination has 5 crimps equally spaced over 85mm.<br>Joiner requires 10 crimps with 5 crimps either side of the central point.<br>Intermediate corners to be single crimped to form radius. | | |
| Terminations position, Connections, Tensioning and Spans | End anchor static line assemblies that terminate closer than 2m to a fall zone have an inline stopper fitted a minimum of 2m from fall zone.<br>Maximum anchor to anchor span without written exemption (from an RIS manager or engineer) is 8m.<br>Systems under 20m include an inline shock absorbing assembly.<br>Locking pins are installed and split pins/rings secured on the tensioner and the fork ends. | | |
| Steel fixed configuration | M12 stainless steel bolts with nyloc nuts and washers. Drill bit for 12mm thread = 14mm hole, torque wrench tensioned to 80Nm. Minimum edge distance on structural steel is 25mm | | **Nominate the type of structure utilized for this application:** |
| Applications with roof raiser/Top hat section/rack systems for insulation integrity | Custom made anchor with longer M12 thread to enable fixing to the purlin. The use of a RIS spacer is required to bridge the gap from the top of the purlin to the underside of the sheet. | | |
| Penetration of roof is not over sized | Maximum 29mm hole sizes for top fixed anchors. | | |
| Maximum loading angle and corner radiuses | 20 degrees from the structural surface.<br>500mm radius. | | |
| Anchor points to structure to prevent lateral swing fall are installed or mitigation agreed | Corners and changes of shape have additional pendulum anchor points installed to allow access and prevent swing fall. | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Prevention of corrosion | Dissimilar metals are separated by foam, tape, EPDM barrier or sealant. | | |

| | | | | |
|---|---|---|---|---|
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| | Systems installation completion action | Fit for use sticker/tag filled in and attached to each static line anchor point, mark with confirmed rating and install dates. Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | | |
|---|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued and maximum lanyard length nominated in manual which prevents access to a fall arrest event. | | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | **Name:** | |
| | | | **Signature:** | |
| | | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Ladder Bracket *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 01 | 46694R302 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Safe transition to roof | AS1891.6.2.2, (e ) Other selection criteria | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Ladder bracket connection to the structure | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Ladder bracket location | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer strop location | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer anchor location | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Number of fixings, location of fixings | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS Ladder Bracket Installation Requirement. | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Installed equipment is positioned so it can be accessed in a secure and safe manner using normal ladder safety protocols. e.g. 3 points of contact, tie off, 4 to 1 angle and 1m past step of point. Maximum of 6m allowable height of a ladder bracket off the ground. | | |
| | Safe transition from ladder to roof | Ladder bracket is installed with entry point anchor assembly to allow connection or transition to a safe position away from the roof edge. | | |

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|---|---|---|---|
| Ladder bracket connection to the structure | Bracket must connect to the structure with one of the following methods:<br>3 x 8mm Bulb Tite Rivets.<br>or<br>3 x 12x14x50 metal/timber screw.<br>or<br>3 x HSA R M8 x 55 5/-/-, Drill bit for 8mm thread = 8mm hole. | | **Nominate the fixing method used:** |
| Ladder bracket location | Ladder bracket is installed with entry point anchor assembly to allow connection or transition to a safe position away from the roof edge. | | |
| Transfer strop location | Strop must be positioned to enable user to reach and connect without falling. | | ☐ Tick if is not applicable |
| Transfer anchor location | Entry anchor that do not have strops are positioned to enable user to reach and connect without falling or leaning out from ladder. | | ☐ Tick if is not applicable |
| Prevention of Corrosion | Dissimilar metals are separated by EPDM barrier or sealant.<br>**NOTE: It's acceptable to have some paper remain on the FOAM during installation.** | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| Systems installation completion action | Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **Project Completion** | Handover operating and systems documentation issued and maximum lanyard length nominated in manual for fall arrest/restraint systems. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS HL200 Lifelines (To be completed by the person(s) directly responsible for the work and the installer) | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 04 | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| INSPECTION TEST PLAN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ref** | **Operation or stage of work** | | **Stage/ Frequency** | **Records** | **Requirement/ Standard/ Specification** | **Acceptance Criteria** | **Inspection/ Test Procedure** | **Inspection *what/who** | | |
| | **Description** | **Characteristics** | | | | | | **Installer** | **Install Supervisor** | **Client** |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS1891.2 1.4 System Acceptance Criteria a. AS5532 7.3 (h) AS1891.4 3.2.2. RIS HL200 Installation requirement | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Structure location compatibility match | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Position of line to fall zone | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Fall clearance | AS1891.2 1.4 System Acceptance Criteria a. 1891.4:2009 Section 7 | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Lifeline connections and swaging | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Maximum loading angle | AS1891.2 1.4 System Acceptance Criteria a. AS1891.2.5.3 Drilled-in anchorages. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Additional pendulum fixing points to roof allow safe transition and access | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS HL200 Installation requirement | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Work** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |

| | | | |
|---|---|---|---|
| Structure location compatibility match | Purlin connected by minimum M12 bolts each end of purlin.<br>Purlin details: C/Z15015 minimum size for attachment of anchor. | | |
| Lifeline length, Inline connection and swaging | 8mm cable with minimum static line length of 4m. End anchors installed with a minimum 2 x M12 bolts supporting the end termination Jaw Jaw or fork swage or quicklinks if applicable.<br>Intermediate anchors have a minimum of 1 x M12 bolt supporting the static line to the structure.<br>Each swage termination has 5 crimps equally spaced over 85mm.<br>Joiner requires 10 crimps with 5 crimps either side of the central point.<br>Intermediate corners to be single crimped to form radius. | | |
| Terminations position, Connections, Tensioning and Spans | End anchor static line assemblies that terminate closer than 2m to a fall zone have an inline stopper fitted a minimum of 2m from fall zone.<br>Maximum anchor to anchor span without written exemption (from an RIS manager or engineer) is 8m.<br>Systems under 20m include an inline shock absorbing assembly.<br>Locking pins are installed and split pins/rings secured on the tensioner and the fork ends. | | |
| Steel fixed configuration | M12 stainless steel bolts with nyloc nuts and washers. Drill bit for 12mm thread = 14mm hole, torque wrench tensioned to 80Nm. Minimum edge distance on structural steel is 25mm | | **Nominate the type of structure utilized for this application:** |
| Applications with roof raiser/Top hat section/rack systems for insulation integrity | Custom made anchor with longer M12 thread to enable fixing to the purlin. The use of a RIS spacer is required to bridge the gap from the top of the purlin to the underside of the sheet. | | |
| Penetration of roof is not over sized | Maximum 29mm hole sizes for top fixed anchors. | | |
| Maximum loading angle and corner radiuses | 20 degrees from the structural surface.<br>500mm radius. | | |
| Anchor points to structure to prevent lateral swing fall are installed or mitigation agreed | Corners and changes of shape have additional pendulum anchor points installed to allow access and prevent swing fall. | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Prevention of corrosion | Dissimilar metals are separated by foam, tape, EPDM barrier or sealant. | | |

| | | | | |
|---|---|---|---|---|
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| | Systems installation completion action | Fit for use sticker/tag filled in and attached to each static line anchor point, mark with confirmed rating and install dates. Entry point signage updated and installed. | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | | |
|---|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued and maximum lanyard length nominated in manual which prevents access to a fall arrest event. | | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | **Name:** | |
| | | | **Signature:** | |
| | | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA312, SA322, SA332, SA342, SA352, SA362 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| *W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work. | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile match | AS5532 6.3.1.3 (a) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet width | AS5532 6.3.1.3 (iii) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum length | AS5532 6.3.1.3 (v) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum fixings and type | AS5532 6.3.1.3 c | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof | AS5532 6.3.1.3 (v) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Number of fixing and location of fixing to anchor point | AS5532 6.3.1.3 © | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Roof profile installation | Roof sheet is installed as per manufacturing instructions and guidelines | | |
| | Minimum roof sheet width and length | 3 x normal lapped roof sheets wide and crossing a minimum of three purlins or battens | | |
| | Minimum structural requirements | Purlin connected by M12 bolts each end of purlin, purlin details: C/Z15015 minimum size for attachment of anchor | | |

| | | | |
|---|---|---|---|
| Applications with roof raiser/Top hat section/rack systems for insulation integrity | Custom made anchor with longer M12 thread to enable fixing to the purlin. The use of a RIS spacer is required to bridge the gap from the top of the purlin to the underside of the sheet. | | **Nominate the type of structure utilized for this application:** |
| Penetration of roof is not over sized | Maximum 29mm hole sizes for top fixed anchors and 13mm hole used for anchors fixed with access underneath the roof. | | |
| Position and orientation of anchor point to roof | Anchor sits flat and is at 90 degrees with the roof. Eye bolt is orientated towards the intended access point. | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means. | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant. | | |
| Water proofing | Anchor sealed and inspected for water tight fit. | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA412 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R302 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Customer |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye bolt to run 90 degrees to the primary work area. Friction anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt is installed. | | |

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| Mechanical anchor fitting per anchor/bolt | Drill bit for 12mm thread = 18mm (complete the hole that you start to the correct depth of 131 mm and ensure that the hole is cleaned appropriately)<br>For cleaning holes, torque wrench tensioned **EXACTLY** 80Nm<br>Minimum edge distance: 105mm<br>Minimum spacing distance: 265mm<br>Minimum concrete thickness: 185mm | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | Each individual friction anchor is tested to 50% of the required design load | | **Nominate the kN rating that you tested each anchor to:** |
| | 12kn tested to 6kN | | |
| | 15kN tested to 7.5kN | | |
| | 21kN tested to 10.5kN | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA711 thru SA723 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R303 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional Pendulum fixing points to roof/wall/structure to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On Installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye of anchor to run 90 degrees to the primary work area.<br>Glued-in anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt<br>is installed.<br>Minimum edge distance = 200mm<br>Minimum spacing = 300mm<br>Minimum concrete thickness = 150mm | | |

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|---|---|---|---|
| SA711 - SA713 Chemical anchor fitting per anchor/bolt<br>SA721- SA723 Chemical anchor fitting per anchor/bolt | Drill diameter = 30mm<br>Drill diameter = 40mm<br>Minimum depth of hole: 90mm (complete the hole that you start to the correct depth and the hole is cleaned appropriately)<br>Clean drilled out hole, Hilti Chemical Set Product Code HIT200-R | | **Confirm what size hole was drilled:** |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load Test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | 15kN tested to 7.5kN. Test the anchor once the chem-set has cured fully. | | |
| Water proofing | Anchor sealed and inspected for water tight fit | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Single Sided Handrail only *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R304 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS1657 J2.2, 5.4.1 & G5 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Labelling of Installation | AS1657 8.2 Labelling of Installation | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Material | AS/NZS 1664.1 & AS/NZS 1664.2 | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Headroom | AS1657 3.1.5 | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Safety below access areas | AS1657 4.5 & 4.6 | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Provision of a barrier | AS1657 5.4.1 | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Stability and structural capacity | AS1657 6.1.1 | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Finished surfaces, height and hand clearance | AS1657 5.6.1, 5.6.2 & 5.6.3 | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Documentation to be supplied | AS1657 8.3 | On completion | Checklist | Standard/Specification | Visual | Visual | | H | S |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Material | All materials installed are from tested and pre-fabricated RIS Stock | | |
| | Obstructions and headroom | Pathways allow 2m of clearance in proximity to the handrail systems installed | | |
| | Safety below access areas | Kickboards installed to areas that require dropped object protections. Gaps between kickboard and standing surface do not exceed 10mm. | | |
| | Provision of guard railing | Guard railing extends to the agreed zones and provides effective fall prevention | | |
| | Structural stability and fixing metal roof mounted systems | Roof materials minimum .42 BMT, 1 Handrail post, 1 Post Brace, Base Support Channel, 12x 4.8mm SS Rivets, 2 x 6mm Aluminimum Rivet, 2 x EPDM Rubber Washer.<br>Maximum corner post spacing 500mm.<br>Maximum span between posts 1500mm | | |

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|---|---|---|---|
| Structural stability and fixings concrete/steel systems | 1 Handrail post, 1 base spigot, 8x 4.8mm SS Rivets,<br>Maximum corner post spacing 500mm.<br>Maximum span between posts 1500mm<br>Mechanical Fixings:<br>2 x HSA R M12 x 100 20/5, drill bit for 12mm thread = 12mm hole x 2, torque wrench tensioned **EXACTLY** 50Nm<br>Chemical Fixings:<br>2 x Stainless M12 with minimum 110mm embedment, Drill bit for 12mm thread = 2 x14mm hole, Hilti Chemical Set product code HIT 200 R, Nut is torque wrench tensioned to **EXACTLY** 40Nm<br>Steel Fixings:<br>2 x M12 stainless steel bolts with nyloc nuts and washers, Drill bit for 12mm thread = 2 x 13mm hole, torque wrench tensioned to 80Nm<br>Minimum edge distance to fixing steel: 25mm | | **Nominate the fixing method that you have used on site:** |
| Structural stability and fixing for handrails, midrail, corners, end caps and kickboard | Joins in Hand and Mid Rails, End caps, Kickboards and Corners have 2 x 4.8mm SS Rivets per side.<br>Closure bends have 6 x 4.8mm SS Rivets per bend.<br>Handrail bracing is installed at every corner, every 15m for straight runs, at the start and end of each system. | | |
| Finished surfaces, height and hand clearance | Handrail finished surfaces are free from sharp edges, burs and other conditions. Hand clearance between handrails and other adjacent structures is not less than 50mm. | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| Systems installation completion action | Fit for use sticker/tag filled in and attached to the handrail, mark with confirmed rating. Entry point signage updated and installed. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Aluminium Ladders *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R305 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS1657 J2.2, 5.4.1 & G5 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | | S | S |
| | Labelling of Installation | AS1657 8.2 Labelling of Installation | On Installation | Checklist | Standard/Specification | Visual | Visual | H | S | S |
| | Material | AS/NZS 1664.1 & AS/NZS 1664.2 | On Installation | Checklist | Standard/Specification | Visual | Visual | H | S | S |
| | Welding | AS/NZS 1554.1, AS/NZS 1554.6 or AS/NZS 1665 | On Installation | Checklist | Standard/Specification | Visual | Visual | H | S | S |
| | Headroom | AS1657 3.1.5 | On Installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Level access, change and slip resistance and footing | AS1657 5.1.1, 3.1.4, 3.1.3 & 5.3.3 | On Installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Safety below the ladder | AS1657 4.5 & 4.6 | On Installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Provision of a Barriers | AS1657 5.4.1 c) i, ii, iii | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |
| | Stability and structural capacity | AS1657 7.1.2 | | | Standard/Specification | | | | | |
| | Finished surfaces, height and hand clearance | AS1657 5.6.1, 5.6.2 & 5.6.3 | On Installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Ladder Access and Egress | AS1657 7.3.2, 7.3.3.2, 7.3.5 & 7.3.6 | On installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Vertical Fall Arrest System | AS1657 7.4.7 | On installation | Checklist | Standard/Specification | Visual | Measurement | H | S | S |
| | Documentation to be supplied | AS1657 8.3 | On installation | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |
| | Material and off site fabrication | All materials installed are from tested and pre-fabricated RIS Stock. | | |

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|---|---|---|---|
| Obstructions and Headroom | Pathways to and from the ladder allow 2m of head clearance in proximity to the ladder systems installed.<br>For an internal ladder that requires access through a hatch or other structure, the minimum distance from the stile of the step ladder to the roof or structure must not be less than 950mm. | | |
| Level access, change and slip resistance and footing | The spacing between the resting point of the ladder and the first ladder rung is between 270 and 300mm.<br>Top rung of the ladder is level with the exit landing.<br>Maximum cross slope angle is no greater than 7 degrees and 3 degrees from the horizontal.<br>Minimum foot clearance from the nose of each tread horizontally is 200mm. | | |
| Safety below the ladder platform | Toe boarding or infill barrier is applied to areas that require direct access under the ladder landings, where people are exposed to dropped objects | | |
| Provision of a Barriers/Cage | Cage starts between 2m and 2.2m above landing point and terminates 1m above step off point.<br>The inside of the cage has no projections (protusions).<br>The maximum opening size must be less than 150mm for vertical slats. | | **Not applicable if ladder doesn't require a cage.**<br>☐ Tick if is not applicable |
| Stability and structural capacity | Ladder fixing bracket is placed at the top rung of the ladder and then spaced at no more than 3m centres with 2 x M8 x 45mm stainless steel cup heads bolts to the ladder with flange and dome nuts. The support bracket fixings to the structure:<br>• Concrete: 3 x M8 Hilti HSA fixings or<br>• Steel work: 2 x M12 stainless bolts, or<br>• Roof sheeting: 5 x 8mm structural rivets, or<br>• Purlins: 2 x M12 ESL<br>Ladder base angle secured and bolted to substructure with 2 x M12 bolts or 3 x 8mm rivets.<br>To secure the ladder to the ladder base angle use 2 x M8 x 100mm stainless steel cup bolt with flange and dome nut.<br>Ladder splice join is secured in the ladder frames 300mm either side of the join and riveted using 8 x 6.3mm aluminium rivets distributed evenly on each rung either side of the joint. | | **Nominate the structural fixing method that you have used on site:** |
| Finished surfaces, height and hand clearance | Surfaces and finishes are free from sharp edges, burs and other unsafe conditions.<br>Minimum 50mm clearance where they meet adjacent structures.<br>The last rung on the ladder is level with landing surface. | | |

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| Vertical Fall Arrest System | Ladder is fitted with full length internal splice joiner bar from the top of the ladder to the ground on both sides of the ladder with the lifeline attachment point welded at the top of the ladder. The top ladder rung finishes level with the step of point, the base of the ladder is secured to the substructure at the bottom. The swagging tool is tested/calibrated within the last 12 months. Fork swage at top of ladder has 5 crimped swage marks within the first 85mm of the cable entering the fork fitting and the tensioner is at the base. All static line connection points are securely fitted. | | **Not applicable if ladder doesn't require a vertical fall arrest system.** ☐ Tick if is not applicable |
| Ladder Access and Egress | Angled between 70 to 90 degrees with 75 degrees recommended. Landing platform is the same width as the ladder or 600mm whichever is the larger. The length of the landing at the step on/off point is 900mm long or greater. The vertical distance between the landings is 6m or less. | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| Systems installation completion action | Fit for use sticker/tag filled in and attached to the system, mark with confirmed rating. Entry point signage updated and installed. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **Project Completion** | Handover operating and systems documentation issued | | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | **Name:** | |
| | | | **Signature:** | |
| | | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS HL200 Lifelines (To be completed by the person(s) directly responsible for the work and the installer) | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R306 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| INSPECTION TEST PLAN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ref** | **Operation or stage of work** | | **Stage/ Frequency** | **Records** | **Requirement/ Standard/ Specification** | **Acceptance Criteria** | **Inspection/ Test Procedure** | **Inspection *what/who** | | |
| | **Description** | **Characteristics** | | | | | | **Installer** | **Install Supervisor** | **Client** |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS1891.2 1.4 System Acceptance Criteria a. AS5532 7.3 (h) AS1891.4 3.2.2. RIS HL200 Installation requirement | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Structure location compatibility match | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Position of line to fall zone | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Fall clearance | AS1891.2 1.4 System Acceptance Criteria a. 1891.4:2009 Section 7 | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Lifeline connections and swaging | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Maximum loading angle | AS1891.2 1.4 System Acceptance Criteria a. AS1891.2.5.3 Drilled-in anchorages. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Additional pendulum fixing points to roof allow safe transition and access | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | AS1891.2 1.4 System Acceptance Criteria a. RIS HL200 Installation requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS HL200 Installation requirement | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Work** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |

| | | | |
|---|---|---|---|
| Structure location compatibility match | Purlin connected by minimum M12 bolts each end of purlin.<br>Purlin details: C/Z15015 minimum size for attachment of anchor. | | |
| Lifeline length, Inline connection and swaging | 8mm cable with minimum static line length of 4m. End anchors installed with a minimum 2 x M12 bolts supporting the end termination Jaw Jaw or fork swage or quicklinks if applicable.<br>Intermediate anchors have a minimum of 1 x M12 bolt supporting the static line to the structure.<br>Each swage termination has 5 crimps equally spaced over 85mm.<br>Joiner requires 10 crimps with 5 crimps either side of the central point.<br>Intermediate corners to be single crimped to form radius. | | |
| Terminations position, Connections, Tensioning and Spans | End anchor static line assemblies that terminate closer than 2m to a fall zone have an inline stopper fitted a minimum of 2m from fall zone.<br>Maximum anchor to anchor span without written exemption (from an RIS manager or engineer) is 8m.<br>Systems under 20m include an inline shock absorbing assembly.<br>Locking pins are installed and split pins/rings secured on the tensioner and the fork ends. | | |
| Steel fixed configuration | M12 stainless steel bolts with nyloc nuts and washers. Drill bit for 12mm thread = 14mm hole, torque wrench tensioned to 80Nm. Minimum edge distance on structural steel is 25mm | | **Nominate the type of structure utilized for this application:** |
| Applications with roof raiser/Top hat section/rack systems for insulation integrity | Custom made anchor with longer M12 thread to enable fixing to the purlin. The use of a RIS spacer is required to bridge the gap from the top of the purlin to the underside of the sheet. | | |
| Penetration of roof is not over sized | Maximum 29mm hole sizes for top fixed anchors. | | |
| Maximum loading angle and corner radiuses | 20 degrees from the structural surface.<br>500mm radius. | | |
| Anchor points to structure to prevent lateral swing fall are installed or mitigation agreed | Corners and changes of shape have additional pendulum anchor points installed to allow access and prevent swing fall. | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Prevention of corrosion | Dissimilar metals are separated by foam, tape, EPDM barrier or sealant. | | |

| | | | | |
|---|---|---|---|---|
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| | Systems installation completion action | Fit for use sticker/tag filled in and attached to each static line anchor point, mark with confirmed rating and install dates. Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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|---|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued and maximum lanyard length nominated in manual which prevents access to a fall arrest event. | | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | **Name:** | |
| | | | **Signature:** | |
| | | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Ladder Bracket *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R307 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| INSPECTION TEST PLAN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ref** | **Operation or stage of work** | | **Stage/ Frequency** | **Records** | **Requirement/ Standard/ Specification** | **Acceptance Criteria** | **Inspection/ Test Procedure** | **Inspection *what/who** | | |
| | **Description** | **Characteristics** | | | | | | **Installer** | **Install Supervisor** | **Client** |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Safe transition to roof | AS1891.6.2.2, (e ) Other selection criteria | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Ladder bracket connection to the structure | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Ladder bracket location | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer strop location | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer anchor location | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Number of fixings, location of fixings | RIS Ladder Bracket Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | RIS Ladder Bracket Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS Ladder Bracket Installation Requirement. | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Work** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Installed equipment is positioned so it can be accessed in a secure and safe manner using normal ladder safety protocols. e.g. 3 points of contact, tie off, 4 to 1 angle and 1m past step of point. Maximum of 6m allowable height of a ladder bracket off the ground. | | |
| | Safe transition from ladder to roof | Ladder bracket is installed with entry point anchor assembly to allow connection or transition to a safe position away from the roof edge. | | |

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|---|---|---|---|---|
| | Ladder bracket connection to the structure | Bracket must connect to the structure with one of the following methods:<br>3 x 8mm Bulb Tite Rivets.<br>or<br>3 x 12x14x50 metal/timber screw.<br>or<br>3 x HSA R M8 x 55 5/-/-, Drill bit for 8mm thread = 8mm hole. | | **Nominate the fixing method used:** |
| | Ladder bracket location | Ladder bracket is installed with entry point anchor assembly to allow connection or transition to a safe position away from the roof edge. | | |
| | Transfer strop location | Strop must be positioned to enable user to reach and connect without falling. | | ☐ Tick if is not applicable |
| | Transfer anchor location | Entry anchor that do not have strops are positioned to enable user to reach and connect without falling or leaning out from ladder. | | ☐ Tick if is not applicable |
| | Prevention of Corrosion | Dissimilar metals are separated by EPDM barrier or sealant.<br>**NOTE: It's acceptable to have some paper remain on the FOAM during installation.** | | |
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| | Systems installation completion action | Entry point signage updated and installed. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued and maximum lanyard length nominated in manual for fall arrest/restraint systems. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Davit Arms *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R308 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| *W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work. | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v) | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |
| | Additional pendulum fixing points to roof/wall/structure to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |
| | Load testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |
| | Prevention of corrosion | AS5532 5.1 | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Installation Instruction followed | Visual | Measurement | H | S | S |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |
| | Floor or Wall Base: Mechanical anchor fitting per HSA anchor/bolt | Drill bit for 16mm thread = 16mm (complete the hole that you start to the correct depth and the hole is cleaned appropriately)<br>Torque wrench tensioned to 100Nm<br>Minimum edge distance: 250mm<br>Minimum of 4 x M16 fixings<br>Minimum of 3 bolt threads above the nut: | | **Nominate the fixing method used** |
| | Floor or Wall Base: Chemical anchor fitting per anchor/bolt | Drill bit for 16mm thread = 18mm (complete the hole that you start to the correct depth and the hole is cleaned appropriately)<br>Clean drilled out hole, Hilti Chemical Set Product Code HIT500 -R<br>Minimum edge distance: 250mm<br>Minimum of 4 x M16 fixings<br>Minimum of 3 bolt threads above the nut: | | |
| | Concealed Base retro fit: | Core diameter 100mm hole, a minimum of 200mm deep and use 1 x 300ml tube of Hilti Hit 500 chem set. Core hole to be a minimum of 500mm from slab edge. | | |

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|---|---|---|---|---|
| | Concealed Base cast in: | If using the aluminium design base, any exposed aluminium is covered with suitable material separator prior to concrete pour and the base is positioned 500mm from slab edge and secured into position prior to concrete pour. The stainless steel concealed base does not require material seperation. | | |
| | Position and orientation of primary and secondary anchor point to structure<br><br>Load Test each anchor/bolt with calibrated pull tester, last calibration date must not exceed 12 months | Eye of anchor to run 90 degrees to the primary work area.<br>Friction and glued-in anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt is installed.<br>Minimum measured distance between the centre of the anchor and a edge of a structure is 200mm.<br>Minimum spacing between anchors is 300mm.<br>Primary and Secondary anchors 50% proof tested to 7.5kN | | |
| | Anchor points to structure to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means. | | |
| | Floor Mount and Wall Mount Davit base load Test each anchor/bolt with calibrated pull tester, last calibration date must not exceed 12 months.<br>Concealed Base testing not required. | Each individual friction or glued in bolt is tested to 50% of the required design load: | | |
| | | 21kN tested to 10.5kN | | |
| | Water proofing | Sealed and inspected for water tight fit. | | |
| | Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant. | | |
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| | Systems Installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | **Name:** | |
| | | | **Signature:** | |
| | | | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

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| **I have carried out all necessary inspections and verify that the above work for this work area has been completed and conforms to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Access Hatch *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 05 | 46694R309 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Manufacturer recommendation | Visual | Measurement | x | S | S |
| | Safe transition to roof | AS1891.6.2.2, (e ) Other selection criteria AS1657 4.8.3 | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Access hatch connection to the structure | RIS Access Hatch Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Access hatch Location | RIS Access Hatch Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer sling location | RIS Access Hatch Installation Requirement | On Installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Transfer anchor location | RIS Access Hatch Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Number of fixings, location of fixings and location of supports and specific bracing | RIS Access Hatch Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Prevention of corrosion | RIS Access Hatch Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Product marking and signage | RIS Access Hatch Installation Requirement | On installation | Checklist | Installation Instruction followed | Visual | Measurement | x | S | S |
| | Instructions for general use | AS1891.2 1.4 System Acceptance Criteria a. AS/NZS 1891.4.2009 Section (9). RIS Access Hatch Installation Requirement | On installation | Checklist | Manufacturer recommendations | Visual | Visual | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall. | | |
| | Safe transition to roof | Access hatches that use ladders have provision for opening and closing the roof access hatch with the use of one hand. | | |
| | Access hatch location | Access hatch opens away from the fall position or includes handrails to any fall zone on a pitched roof, or, when within 2m of a roof or structural edge. | | |
| | Hatch handrails | Handrails to the hatch on the top side are located on three sides with grab rails incorporated into the design. | | ☐ Tick if is not applicable |

| | | | |
|---|---|---|---|
| Hatch transfer strop location | Strop must be positioned to enable user to reach and connect without falling and position themselves in restraint to a safe location on the roof without a risk of falling. | | ☐ Tick if is not applicable |
| Operational safety | Where a hatch has a pinch point handling position, the pinch points when opening or closing the hatch are marked with pinch point signage. | | |
| Number of fixings, location of fixings and location of line specific bracing | Hatch is fixed to concrete structure with a minimum of 4 x M8 Hilti Dyna bolts OR a minimum of 4 x 4.8mm stainless rivets fixed to the upstand for roof sheet applications. Additional bracing is installed to prevent collapse of the hatch under a load. Back flashing has been installed for roof sheet applications. | | **Not applicable if back flashing is completed by others.** |
| Prevention of corrosion | Dissimilar metals are not used or separated with EPDM, foam or tape. | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of the installed product. | | |
| Systems Installation completion action | Single user signage is installed in visible location. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued. | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **I have carried out all necessary inspections and verify that the above work for this work area has been completed and conforms to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA412 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 28 | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Customer |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye bolt to run 90 degrees to the primary work area. Friction anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt is installed. | | |

| | | | |
|---|---|---|---|
| Mechanical anchor fitting per anchor/bolt | Drill bit for 12mm thread = 18mm (complete the hole that you start to the correct depth of 131 mm and ensure that the hole is cleaned appropriately)<br>For cleaning holes, torque wrench tensioned **EXACTLY** 80Nm<br>Minimum edge distance: 105mm<br>Minimum spacing distance: 265mm<br>Minimum concrete thickness: 185mm | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | Each individual friction anchor is tested to 50% of the required design load | | **Nominate the kN rating that you tested each anchor to:** |
| | 12kn tested to 6kN | | |
| | 15kN tested to 7.5kN | | |
| | 21kN tested to 10.5kN | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |

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|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA711 thru SA723 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 28 | 46694R302 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional Pendulum fixing points to roof/wall/structure to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On Installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye of anchor to run 90 degrees to the primary work area.<br>Glued-in anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt<br>is installed.<br>Minimum edge distance = 200mm<br>Minimum spacing = 300mm<br>Minimum concrete thickness = 150mm | | |

| | | | |
|---|---|---|---|
| SA711 - SA713 Chemical anchor fitting per anchor/bolt<br>SA721- SA723 Chemical anchor fitting per anchor/bolt | Drill diameter = 30mm<br>Drill diameter = 40mm<br>Minimum depth of hole: 90mm (complete the hole that you start to the correct depth and the hole is cleaned appropriately)<br>Clean drilled out hole, Hilti Chemical Set Product Code HIT200-R | | **Confirm what size hole was drilled:** |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load Test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | 15kN tested to 7.5kN. Test the anchor once the chem-set has cured fully. | | |
| Water proofing | Anchor sealed and inspected for water tight fit | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA412 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 29 - VERTICAL FACE OF PARAPET | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Customer |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye bolt to run 90 degrees to the primary work area. Friction anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt is installed. | | |

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| Mechanical anchor fitting per anchor/bolt | Drill bit for 12mm thread = 18mm (complete the hole that you start to the correct depth of 131 mm and ensure that the hole is cleaned appropriately)<br>For cleaning holes, torque wrench tensioned **EXACTLY** 80Nm<br>Minimum edge distance: 105mm<br>Minimum spacing distance: 265mm<br>Minimum concrete thickness: 185mm | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | Each individual friction anchor is tested to 50% of the required design load | | **Nominate the kN rating that you tested each anchor to:** |
| | 12kn tested to 6kN | | |
| | 15kN tested to 7.5kN | | |
| | 21kN tested to 10.5kN | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **Project Completion** | Handover operating and systems documentation issued | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA312, SA322, SA332, SA342, SA352, SA362 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 29 - VERTICAL FACE STEEL BEAM | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location(s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile match | AS5532 6.3.1.3 (a) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet width | AS5532 6.3.1.3 (iii) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum length | AS5532 6.3.1.3 (v) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum fixings and type | AS5532 6.3.1.3 c | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof | AS5532 6.3.1.3 (v) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Number of fixing and location of fixing to anchor point | AS5532 6.3.1.3 © | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Roof profile installation | Roof sheet is installed as per manufacturing instructions and guidelines | | |
| | Minimum roof sheet width and length | 3 x normal lapped roof sheets wide and crossing a minimum of three purlins or battens | | |
| | Minimum structural requirements | Purlin connected by M12 bolts each end of purlin, purlin details: C/Z15015 minimum size for attachment of anchor | | |

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| Applications with roof raiser/Top hat section/rack systems for insulation integrity | Custom made anchor with longer M12 thread to enable fixing to the purlin. The use of a RIS spacer is required to bridge the gap from the top of the purlin to the underside of the sheet. | | **Nominate the type of structure utilized for this application**: |
| Penetration of roof is not over sized | Maximum 29mm hole sizes for top fixed anchors and 13mm hole used for anchors fixed with access underneath the roof. | | |
| Position and orientation of anchor point to roof | Anchor sits flat and is at 90 degrees with the roof. Eye bolt is orientated towards the intended access point. | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means. | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant. | | |
| Water proofing | Anchor sealed and inspected for water tight fit. | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **Project Completion** | Handover operating and systems documentation issued | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | **Name:** | |
| | | **Signature:** | |
| | | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA 141 Trimdek *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 29 | 46694R302 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

| INSPECTION TEST PLAN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ref** | **Operation or stage of work** | | **Stage/ Frequency** | **Records** | **Requirement/ Standard/ Specification** | **Acceptance Criteria** | **Inspection/ Test Procedure** | **Inspection *what/who** | | |
| | **Description** | **Characteristics** | | | | | | **Installer** | **Install Supervisor** | **Client** |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile match | AS5532 6.3.1.3 (a) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet width | AS5532 6.3.1.3 (iii) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet length | AS5532 6.3.1.3 (v) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum fixings and type | AS5532 6.3.1.3 (c) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof sheet stabilisation fixings | AS5532 7.3 ( c ) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof | AS5532 6.3.1.3 (v) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and | AS1891.4 Table 2.1 restraint technique | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Number of fixing and location of fixing to anchor point | AS5532 6.3.1.3 (c) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Work** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Roof profile and minimum BMT match and corrosion check completed TRIMDEK | Roof profile type matched minimum BMT .42 and roof sheeting displays no signs of surface corrosion | | |
| | Minimum roof sheet width and length | 3 x normal lapped roof sheets wide and crossing a minimum of three purlins or battens. **Roof sheet can be fixed directly to purlin or timber batten which is fixed directly to structural steel or timber truss/rafter or additionally, purlin/tophat, blue metal/top hat and top hat/reroof.** | | |
| | Position and orientation of anchor point to Trimdek roof | Centred between purlins/batten smiley face located away from the intended working edge for pendulum applications | | |
| | Anchor point fixing to roof | 8 x 8mm Bulb Tite Rivets. | | |
| | Roof sheet fixings | Screw fixed at crest over minimum 3 purlin/batten with a minimum 15 - 12x14x50 metal/timber tek screw in the 3 purlin/batten | | |
| | GABLE END AND PENDULUM POINTS | Pendulum anchors 2 x 8mm Bulb Tite Rivets to adjacent roof sheet lap 150mm apart | | |
| | Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| | Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to the roof anchor point rating.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| | Corrosion prevention | Dissimilar metals are separated by foam, tape, EPDM barrier or sealant. **NOTE: It's acceptable to have some paper remain on the FOAM during installation.** | | |
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| | Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | | **Name:**<br>**Signature:**<br>**Date:** |
| | | | | |
| **Project Completion** | Handover operating and systems documentation issued | | | |
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | | | | **Name:**<br>**Signature:**<br>**Date:** |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA412 *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 29 | 46694R303 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Customer |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof/structure | AS5532 6.3.1.3 (v)<br>AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique<br>AS4488 5.3 a | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Load Testing | AS1891.4 - 3.1.2 (g) Single point anchorages suitable for direct connection of personal fall-arrest<br>AS5532 7.3 (f) | On installation | Checklist | Standard/Specification | Load Test | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

**CHECKLIST**

| Work | Items/activities to be verified | Reference | Initialled/OK | Comments |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Position and orientation of anchor point to roof | Eye bolt to run 90 degrees to the primary work area. Friction anchorages shall be placed so that the shear load and the pull angle must not exceed 20° to the surface in which the bolt is installed. | | |

| | | | |
|---|---|---|---|
| Mechanical anchor fitting per anchor/bolt | Drill bit for 12mm thread = 18mm (complete the hole that you start to the correct depth of 131 mm and ensure that the hole is cleaned appropriately)<br>For cleaning holes, torque wrench tensioned **EXACTLY** 80Nm<br>Minimum edge distance: 105mm<br>Minimum spacing distance: 265mm<br>Minimum concrete thickness: 185mm | | |
| Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| Load test each anchor with calibrated pull tester. Last calibration date must not exceed 12 months | Each individual friction anchor is tested to 50% of the required design load | | **Nominate the kN rating that you tested each anchor to:** |
| | 12kn tested to 6kN | | |
| | 15kN tested to 7.5kN | | |
| | 21kN tested to 10.5kN | | |
| Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to 15kN.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| Corrosion prevention | Dissimilar metals are separated by EPDM barrier or sealant | | |
| Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

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| **Project Completion** | Handover operating and systems documentation issued | | |

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| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| INSPECTION AND TEST PLAN & CHECKLIST for: Installation of RIS Anchor Points SA 141 Kliplok *(To be completed by the person(s) directly responsible for the work and the installer)* | | | |
|---|---|---|---|
| **Client:** | Richard Crookes Construction Pty Ltd | **Work area:** | **Checklist Number:** |
| **Job Number:** | 46694R3 | LEVEL 29 | 46694R301 |
| **Contract/Project Name:** | 4-14 Cambridge Street Epping | | |
| **Installer:** | | | |

**INSPECTION TEST PLAN**

| Ref | Operation or stage of work | | Stage/ Frequency | Records | Requirement/ Standard/ Specification | Acceptance Criteria | Inspection/ Test Procedure | Inspection *what/who | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Description | Characteristics | | | | | | Installer | Install Supervisor | Client |
| ***W = Witness Point; H = Hold Point; H(A) = Inspection/Test by Authority; U(C) = Inspection/Test by Consultant; S = Surveillance or monitoring; X = Self inspection by performer of work.** | | | | | | | | | | |
| | Access point location (s) | AS5532 7.3 (h) AS1891.4 3.2.2 | Prestart installation work | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile match | AS5532 6.3.1.3 (a) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet width | AS5532 6.3.1.3 (iii) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum sheet length | AS5532 6.3.1.3 (v) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof profile minimum fixings and type | AS5532 6.3.1.3 (c) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Roof sheet stabilisation fixings | AS5532 7.3 ( c ) | On Installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Position and orientation of anchor point to roof | AS5532 6.3.1.3 (v) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Additional pendulum fixing points to roof to allow safe transition and access | AS1891.4 Table 2.1 restraint technique | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Number of fixing and location of fixing to anchor point | AS5532 6.3.1.3 (c) | On installation | Checklist | Standard/Specification | Visual | Measurement | X | S | S |
| | Prevention of corrosion | AS5532 5.1 | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Product marking and signage | AS5532 7.2.3 a, b & c | On installation | Checklist | Standard/Specification | Visual | Visual | X | S | S |
| | Instructions for general use | AS5532 7.1 a, b, c, d, e, f & g | On Completion | Checklist | Standard/Specification | Visual | Completion Handover | | H | H |

| CHECKLIST | | | | |
|---|---|---|---|---|
| **Installation (Refer to Installation Instructions)** | **Items/activities to be verified** | **Reference** | **Initialled/OK** | **Comments** |
| **Installation (Refer to Installation Instructions)**<br><br>**Fill in the appropriate section based on the installed roof sheet.** | Access point location(s) | Systems can be accessed safely by trained persons without the risk of an uncontrolled fall | | |
| | Minimum roof sheet width and length | 3 x normal lapped roof sheets wide and crossing a minimum of three purlins or battens. **Roof sheet must be fixed directly to purlin or timber batten which is fixed directly to structural steel or timber truss/rafter or additionally, purlin/tophat, blue metal/top hat and top hat/reroof.**<br>**WARNING: DO NOT INSTALL ON RISERS AND KLIPLOK SHEETING APPLICATIONS** | | |
| **METLOK 500, KLIP-LOK 406** | Roof profile and minimum BMT match and corrosion check completed | Roof profile type matched minimum BMT .48 and roof sheeting displays no signs of surface corrosion | | |
| | Roof sheet fixings | Check that the roof sheet is fixed off securely to the underlying purlin;<br>Some examples of inspection methods:<br>Visual check from inside of building that clips are installed.<br>Visual check at the gutter line that clips are installed.<br>Verify the roof is installed as per manufacturers instruction via Roofers warranty.<br>Drill pilot hole over purlin where anchor is being positioned to check clips are installed. | | |
| **KLIP-LOK 700** | Roof profile and minimum BMT match and corrosion check completed | Roof profile type matched minimum BMT.42 and roof sheeting displays no signs of surface corrosion | | |
| | Roof sheet fixings | Check that the roof sheet is fixed off securely to the underlying purlin;<br>Some examples of inspection methods:<br>Visual check from inside of building that clips are installed.<br>Visual check at the gutter line that clips are installed.<br>Verify the roof is installed as per manufacturers instruction via Roofers warranty.<br>Drill pilot hole over purlin where anchor is being positioned to check clips are installed. | | |

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|---|---|---|---|---|
| | METLOK 500, KLIP-LOK 406 and KLIP-LOK 700 fixings | METLOK 500, KLIP-LOK 406 and KLIP-LOK 700 2 x 14 x 14 x 75 Roof Teks penetrating the support Purlin or Batten above the anchor point for access below the anchor and on pendulum points.<br><br>METLOK 500, KLIP-LOK 406 and KLIP-LOK 700 2 x 14 x 14 x 75 Roof Teks penetrating the support Purlin or Batten below the anchor where the anchor point is used above the anchor or at pendulum points. | | |
| | Anchor point fixing to roof | Minimum 8 x 8mm Bulb Tite Rivets, 2 x 14 x 14 x 75 Roof Teks. | | |
| | Position and orientation of anchor point to all clip fixed roof profiles | Centred over purlin/battens smiley face located away from the intended working edge for pendulum applications | | |
| | Anchor points to roof to prevent lateral swing fall are installed or mitigation agreed | The distance to the next anchor is less than the length to the closest edge, unless mitigated by other means | | |
| | Anchor at entry point with a stainless steel Strop | Anchor strop must be positioned to enable user to reach and connect to.<br>Strop is marked and rated to or above the roof anchor point rating.<br>Mallion/Quicklink connection to roof anchor point is secured and mechanically tightened or chemically set with loctite. | | **Not applicable as anchor is not within the Fall Zone.**<br>☐ Tick if is not applicable |
| | Corrosion prevention | Dissimilar metals are separated by foam, tape, EPDM barrier or sealant. **NOTE: It's acceptable to have some paper remain on the FOAM during installation.** | | |
| | Site clean up and picture evidence if handover is not possible | Site has been cleared of swarf or other debris installation inspection completed and witnessed by the customers representative. Where a client cannot sign for handover, clear high resolution pictures have been taken of each anchor point. | | |
| | Anchor systems installation completion action | Anchor fit for use sticker/tag filled in and attached to the anchor point, mark with confirmed rating. Entry point signage updated and installed. | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |

| | | | |
|---|---|---|---|
| **Project Completion** | Handover operating and systems documentation issued | | |

| | | |
|---|---|---|
| **I have carried out all necessary inspections and verify that the above items/activities conform to the contract specification/documents** | **Name:** | |
| | **Signature:** | |
| | **Date:** | |