



ANKAWALK INSTALLATION MANUAL

AUSSIE SOLUTIONS
1/96 CANTERBURY ROAD, BAYSWATER, VICTORIA. 3153.
Ph:1300 132 731 Fax:03 9761 6190



Dear Valued Customer,

While thanking you for the confidence you have in deciding to buy our product, we assure you that these products have been built with diligence and utmost care, complying with AS/NZ standards.

We strongly recommend a read of the installation procedures, before erecting this new safety equipment.

It is in everybody's interest that guidelines are followed properly.

If you have any queries, please feel free to call us on 1300 132 731 and one of our sales consultants will be ready to help.

Once again thanking you for your patronage.

Best regards

Staff and Management Aussie Solutions P/L

Factory 1/96 Canterbury Road
Bayswater 3153 Vic. Australia

Tel: 1300 132 731

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3153 Victoria Australia

www.aussiesolutions.com.au

ACN: 097 159 030

PRODUCT WARRANTY AND CARE

All Aussie Solutions P/L products are covered by a full (2) two year Warranty when used under the conditions for which they are intended.

All major components are serial numbered for Warranty and Security purposes. Aussie Solutions P/L must be notified of ownership change.

Failure to notify, will make the warranty null and void.

It is the owner's responsibility, by law, to conduct a visual and physical inspection of all equipment before each and every installation.

All major components manufactured by Aussie Solutions P/L are made from steel and galvanised to improve product life.

Owner of this safety equipment has full responsibility to ensure that Codes of Practice and Australian Standards are adhered to at all times.

Relevant Codes of Practice and Australian Standards have been listed in this manual for easy reference.

Exposure to acids and harsh chemicals, hazardous atmosphere (including fire) are not recommended to ensure prolonged life of this equipment

On purchase of this product from Aussie Solutions P/L, purchaser has entered into a "Duty of Care Contract" with Aussie Solutions P/L. This states that on expiry of (2) two year warranty period, a representative from Aussie Solutions P/L will inspect the product once in every 12 (twelve) months at purchaser's cost.



Our Mission

Our role as the Aussie Solutions group is to develop and service the market with fall safety products and systems, with a view to save lives and reduce injuries in the workplace. This will be achieved through the design and distribution of products and systems that cost-effectively meets the needs of our customers. Aussie Solutions will set industry standards with respect to quality and business practice.



CERTIFICATE OF COMPETENCE

As an Assessor for Aussie Solutions Pty/Ltd, I have conducted a full induction course concerning the safe erection and removal of the Ankawalk products, and have found that the following below have proven to be competent in such tasks:

NAME

COMPANY

NAME	COMPANY

Date assessed:

Assessor's name:

Assessor's signature:



ANKAWALK

TEMPORARY WALKWAY PLATFORM

The ANKAWALK temporary walkway platform provides you and your workers with a superior temporary walkway and handrail edge protection system.

It is designed for easy installation on timber and steel framed construction and even over or penetration through brickwork.

The ANKAWALK temporary walkway system is easily installed saving you time and money, providing you with the best walkway system available.

The ANKAWALK temporary walkway system has been fully engineered and tested by one of Australia's leading engineering companies.

The ANKAWALK temporary walkway system has been tested to and complies with:

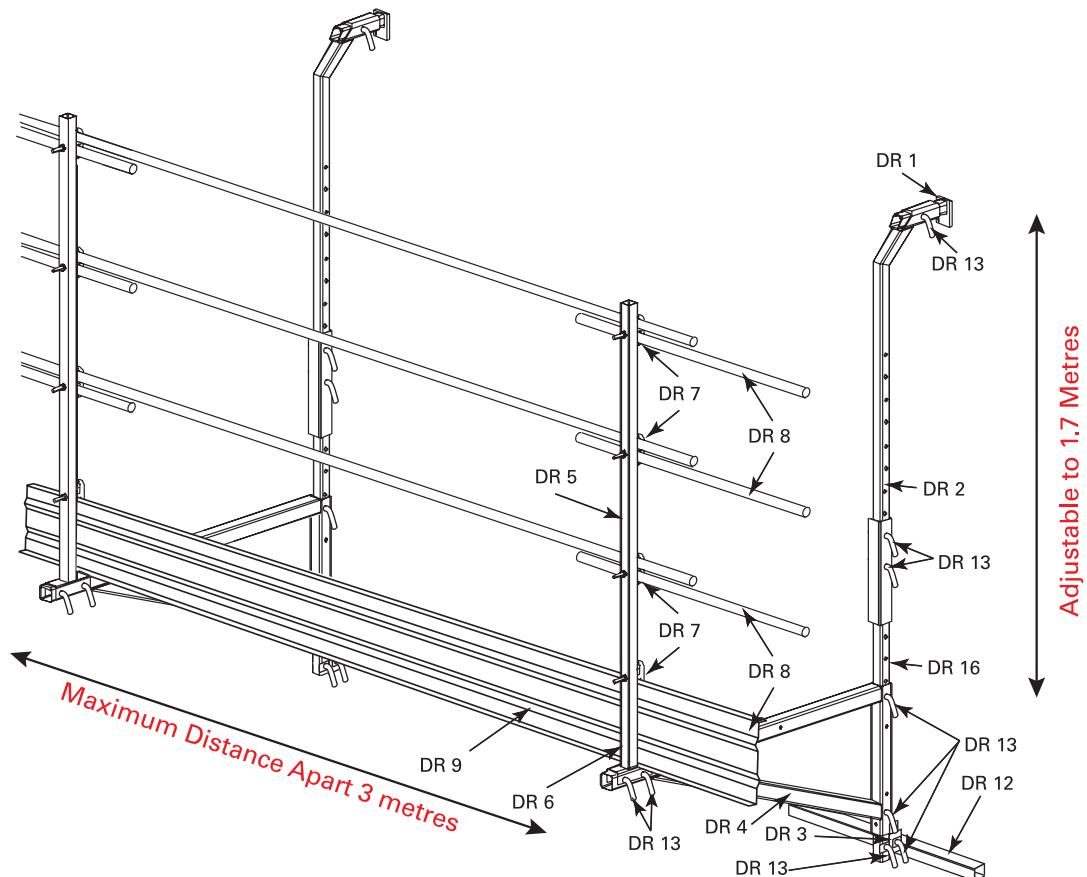
AS/NZS 4994.1:2004 Temporary roof edge protection for housing and residential buildings

AS 6001:1999 Working Platforms for Housing Construction

AS/NZS 1576:1995 Scaffolding

Code of Practice-Safe Work on Roofs (excluding villa constructions)

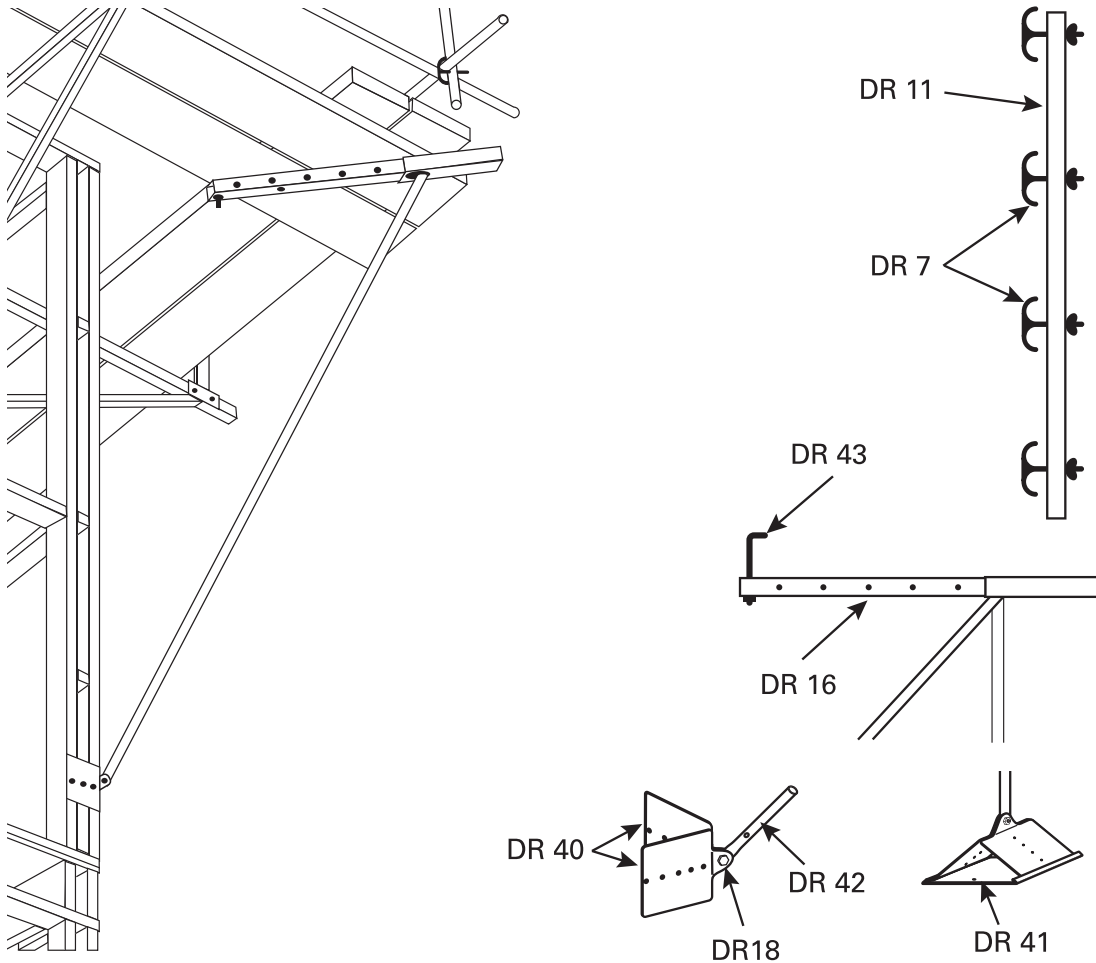
Manufacturer's information on the "ANKAWALK" walkway system



ANKAWALK

TEMPORARY WALKWAY CORNER SUPPORT

- THIS SYSTEM MUST BE INSTALLED BY A O.H.S. SB SCAFFOLD LICENSE HOLDER ●



DR 7	Anka Bolt
DR 8	Handrail (3.25m)
DR 11	Corner Rail Post
DR 15	Wing nut
DR 16	Short Hanger Extension
DR 18	M12 Bolt x 30mm
DR 40	Angle Plate
DR 41	Foot Plate
DR 42	Foot Connector
DR 43	Support Bolt



ANKAWALK

Temporary Walkway System

● THIS SYSTEM MUST BE INSTALLED BY A O.H.S. SB SCAFFOLD LICENSE HOLDER ●

Safe Work Procedure for Installation and Removal

1. Purpose and Scope:

This safe work procedure has been developed to cover the installation and removal of the "Ankawkalk" Temporary Walkway System. The procedure does not detail the access or work methods to install the system, which are expected to be identified in a job Safety Analysis or similar prior to installation of the walkway system. This procedure is a guide to the use of the "Ankawkalk" Temporary Walkway System.

The "Ankawkalk" temporary walkway system is designed and manufactured as a safety control for working at heights. When installed correctly it has a designed Safe Working Load limit (SWL) or 225 kg per upright assembly. Due to circumstances altering from workplace to workplace these procedures are a guide to the installation of the temporary walkway system and are not intended to alleviate the need for carrying out a Job Safety Analysis, risk assessment or other form of hazard identification prior to erecting the "Ankawkalk" temporary walkway system.

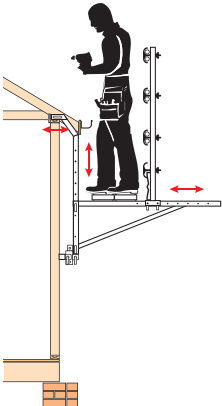
Prior to persons carrying out the installation of "Ankawkalk" temporary walkway system they must hold at a minimum a Basic Scaffolding Certificate (class SB) and have read or been instructed on the manufacturers installation instructions.

2. References:

AS 6001:1999	Working Platforms for Housing Construction
AS/NZS 4994.1:2004	Temporary roof edge protection for housing and residential buildings
AS/NZS 1576:1995	Scaffolding
Code of Practice – Safe Work on Roofs (excluding villa constructions)	
Manufacturer's information on the "Ankawkalk" temporary walkway system	

3. Procedure:

3.1 Preparation:

- 
- (i) Complete a Job Safety Analysis (JSA) on the task to be carried out prior to commencement of work. The JSA should include all steps involved in erecting and the dismantling process, the work task to be carried out from the walkway system and the appropriate load rating for the task. Ensure the JSA adequately identifies the hazards associated with the task and control measures.
 - (ii) Ensure the area immediately below the work area is clear of all building material and other debris for a minimum distance of 2 meters from the structure having the temporary walkway system fitted.
 - (iii) Where necessary erect barricades to limit access to the works area.
 - (iv) Erect signage around the area warning others of the works being carried out.
 - (v) Consider requirements for access and egress equipment for the persons installing the temporary walkway system. This may include;
 - Ladders – must be industrial grade, minimum 120kg rated and extend 900mm above the step of point.
 - Provision for securing ladders.
 - Hand tools and hardware – required tools and hardware such as screws, bolts etc for installation of the temporary walkway system.
 - Sufficient workers to carry out the task safely.
 - Boomlift, cherry picker or other type of Elevated Work Platform.
 - (vi) Ensure access and egress points for workers are planned and allowed for.
 - (vii) Order required equipment and materials.

3.2 Installation:

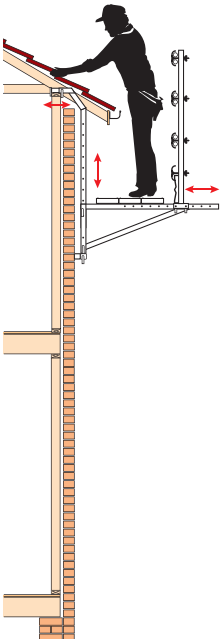
"Ankawkalk" temporary walkway system is designed as an integrated walkway and handrail system intended to carry out works at height to a maximum load capacity of 225 kg safe workload (SWL) per upright (offset hanger / triangle bracket) assembly.

Weight duty classification, in accordance with AS/NZS 1576.1 states the duty live load includes the weight of material and debris, the weight of tools, equipment and impact forces.

The following duty classification and minimum dimensions of working platforms shall apply.

Light duty; A load of 225 Kg per bay including a single concentrated load of 100 Kg and a working platform of length or width not less than 450 mm.

The temporary walkway system will be fitted in 8 sections and is to be done in the following order;

- 
- **Offset hangers**
Attaches to the stud wall frame and is the foundation of the "Ankawkalk" temporary walkway system.
 - **Triangle**
Attaches to the offset hanger by elbow pin and extend horizontally from the stud wall.
 - **Walkway planks**
Are laid onto the triangles forming the walkway.
 - **Rail post**
Attaches to the triangle using the elbow pins and extend vertically to house kickboards and guardrails.
 - **Kickboard and handrails**
Are fitted to the rail post.
 - **Corner rail posts**
Are fitted to the corners of guardrails and kickboards to strengthen and make solid the structure.
 - **Corner supports (where required)**
Attached to the base of planks where they join at corners with a supporting rail extending down and attaching to the stud wall.
 - **Stop ends**
Are fitted at open-end sections of the walkway to guard an opening.

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Temporary Walkway System

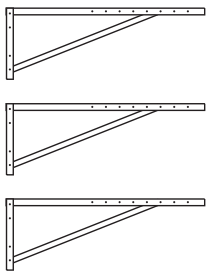
- THIS SYSTEM MUST BE INSTALLED BY A O.H.S. SB SCAFFOLD LICENSE HOLDER ●



3.2.1 Offset Hangers

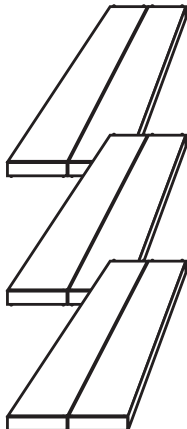
- Depending on the type of works being done the adjusting clamp on the offset hanger can sit over the top plate or can be inverted and sit over the bottom plate on the stud wall.
- The stud bridge, opposite end of the adjusting clamp on the offset hanger, is placed horizontally bridging 2 studs. Normally the offset hanger assembly is placed between two studs on the outside leaving the stud bridge in place outside the stud wall.
- Place the adjusting clamp over either the top or bottom plate of the stud wall and attach with 1 screw through the adjusting clamp into the timber.
- Insert the elbow pin & safety clip securing the adjusting clamp to the offset hanger.

3.2.2 Triangle

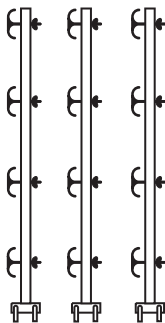


- The triangle locates over the offset hanger and is secured in place by 2 elbow pins.
- Ensure the elbow pins are removed from the triangle.
- Lift the triangle into position ensuring that the horizontal top face of the triangle is facing upward. It is the horizontal face that the walkway planks are fitted to.
- Fit the elbow pins through both the triangle and offset hanger securing the triangle into position.
- Note: Ensure that both elbow pins are fitted correctly and that the triangle is securely fixed to the offset hanger. Check the location of the triangle making sure that the working platform will be situated at the correct height. If adjustments need to be made remove the elbow pins and re-position the triangle.
- Ensure that the triangles are fitted so that when walkway planks are positioned any slope on the plank does not exceed 7 degrees from the horizontal.
- Continue fitting triangles to the remainder of the offset hangers checking the height of the triangle as it is fitted.
- Once the offset hanger / triangle assemblies are complete, start at a corner and hang all of the assemblies around the building remembering not to exceed (3) three meters.

3.2.3 Walkway Planks



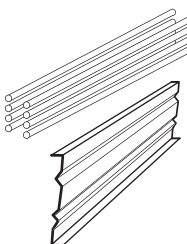
- Lift the walkway planks into place sitting them onto the horizontal face of the triangle.
- Commence laying the planks on one bay with the planks sitting directly onto the triangles. Alternate to the third bay along again allowing the planks to sit directly onto the triangles. Following this procedure will result in only every second bay being planked initially.
- Planks are now fitted across the "open bays" by overlaying planks from the "closed bays" and bridging across. Bridging planks are to overlap by not less than 150mm.
- Ensure all planks are of same type, are of uniform thickness, minimum width of 225mm and meet all requirements of AS 1577 - Scaffold Planks.
- Fit the correct amount of planks ensuring that the platform width meets the minimum width required for the scaffold rating (see section 3.2 installation instructions for rating and platform widths).
- Planks are to overlap triangle brackets by not less than 150mm and not more than 250mm.
- Planks are laid closely together not allowing excessive gaps between them.
- For working platforms 450mm or wider, ensure void or gap from the working structure to the first plank does not exceed 225mm in width. If void or gap exceeds 225mm, inward fall protection must be installed.
- Once planks are installed and positioned correctly they need to be strapped in place to the triangle bracket. Strapping needs to cover all planks and cross under and over the triangle. This ensures that the planks are not only fastened to prevent them spreading but also ensures that they do not lift or tilt from the triangle.



3.2.4 Rail Posts

- Rail posts extend vertically from the horizontal triangle bracket to support the kickboards and guardrails.
- Remove the elbow pins from the rail post and position it over the triangle.
- Where through State legislation kickboards are mandatory or are deemed necessary through job safety analysis, risk assessment or other hazard identification process there cannot be any gap or void between the walkway plank and rail post.
- Other than the requirements of point (iii) (above), for working platforms 450mm or wider, ensure the gap or void between the plank and rail post does not exceed 150mm.
- Ensure that the guardrail Ankabolts are facing the walkway when installing the rail post.
- Reinsert both elbow pins ensuring they go through the rail post and the triangle.

3.2.5 Kickboards and Handrails

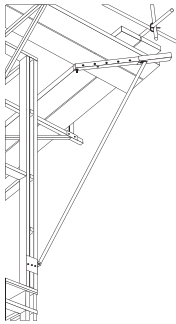


- Loosen all thumbnuts fastening the anchor bolts.
- Fit the kickboard and bottom handrail first.
- The kickboard is to extend a minimum of 150mm from the top of the working platform and is not to have a gap any greater than 10 mm between the base of the kickboard and top of the working platform.
- Kickboards / handrails are fitted into position between the "anchor" bolt and the rail post then tighten the thumb nut on the "Ankabolt" sufficiently to prevent any movement or slippage.
- All guardrails must be fitted in the four positions provided on the rail posts.

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Temporary Walkway System

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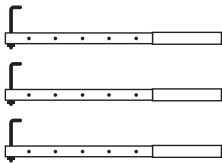


3.2.6 Corner Rail Posts

- (i) Upon completion of handrail installation corner rail posts are to be fitted at adjoining corner sections of the kickboard / handrail.
- (ii) Loosen the thumbnuts securing the anchor bolts.
- (iii) Position the corner rail post so the guardrails from opposing directions are fitted into the Ankabolts.
- (iv) Firmly tighten the Ankabolts to prevent movement or slippage of the kickboard / guardrail.

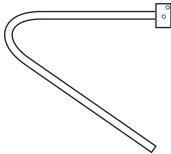
3.2.7 Corner Supports

- (i) Corner supports are fitted below planks where they intersect (butt or overlap) at adjoining corners.
- (ii) Loosen the L-shaped support bolt sufficiently to have enough reach to grip the walkway planks.
- (iii) Position the corner support on the underside of the planks fitting the top of the support bolt over the planks.
- (iv) Tighten the support bolt firmly clamping the walkway planks.
- (v) Fit the foot connector into one end of a length of handrail and into the locating hole on the corner support at the other.
- (vi) While maintaining upward direction support on the foot connector locate the angle plate onto a suitable corner of the stud wall and screw the angle plate into position.



3.2.8 Stop ends

- (i) At any point the walkway has an un-barricaded opening a stop end must be fitted to "close" the opening.
- (ii) The stop end frame is secured to the offset hangar or rail post by one elbow pin.
- (iii) Remove the elbow pin from the stop end.
- (iv) Position the stop end over the offset hangar or rail post and insert the elbow pins.



3.4 Removal:

- (i) Upon completion of works requiring temporary walkway and fall protection the "Ankawalk" system can be removed.
- (ii) Removal of the handrail system should have been included in the JSA carried out before commencement of the works.
- (iii) The removal process is opposite to the installation procedure.

Authority:

The authorization of this safe work procedure is an acknowledgement of our company's commitment to all aspects of occupational health and safety.
The safe work procedure is approved by:

Name: _____ Date: _____

Position: _____



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Temporary Walkway System

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Series 1 Basic

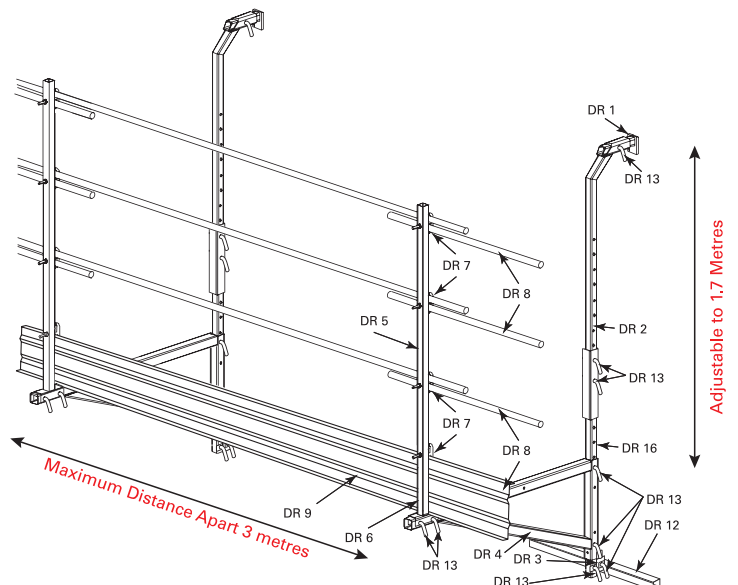
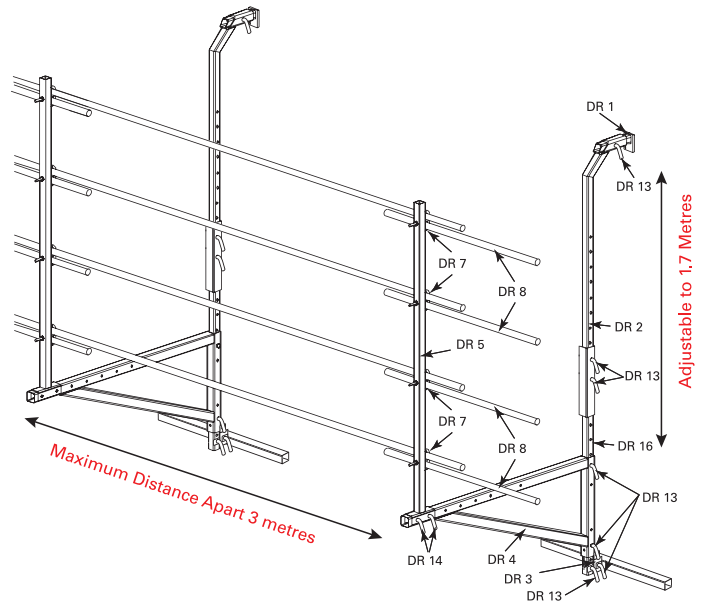
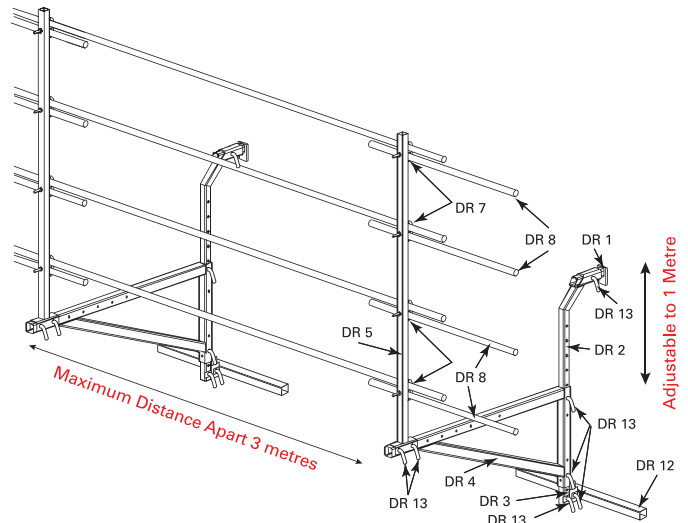
Adjustable head
Adjustable rail post
900mm Height adjustment
Timber frame
Steel frame installation
Over brick installation
Kickboard available on request

Series 2 Standard

Adjustable head
Adjustable rail post
1700mm Height adjustment
Timber frame
Steel frame installation
Over brick installation
Invertable for no eave
Kickboard available on request

Series 3 Elite

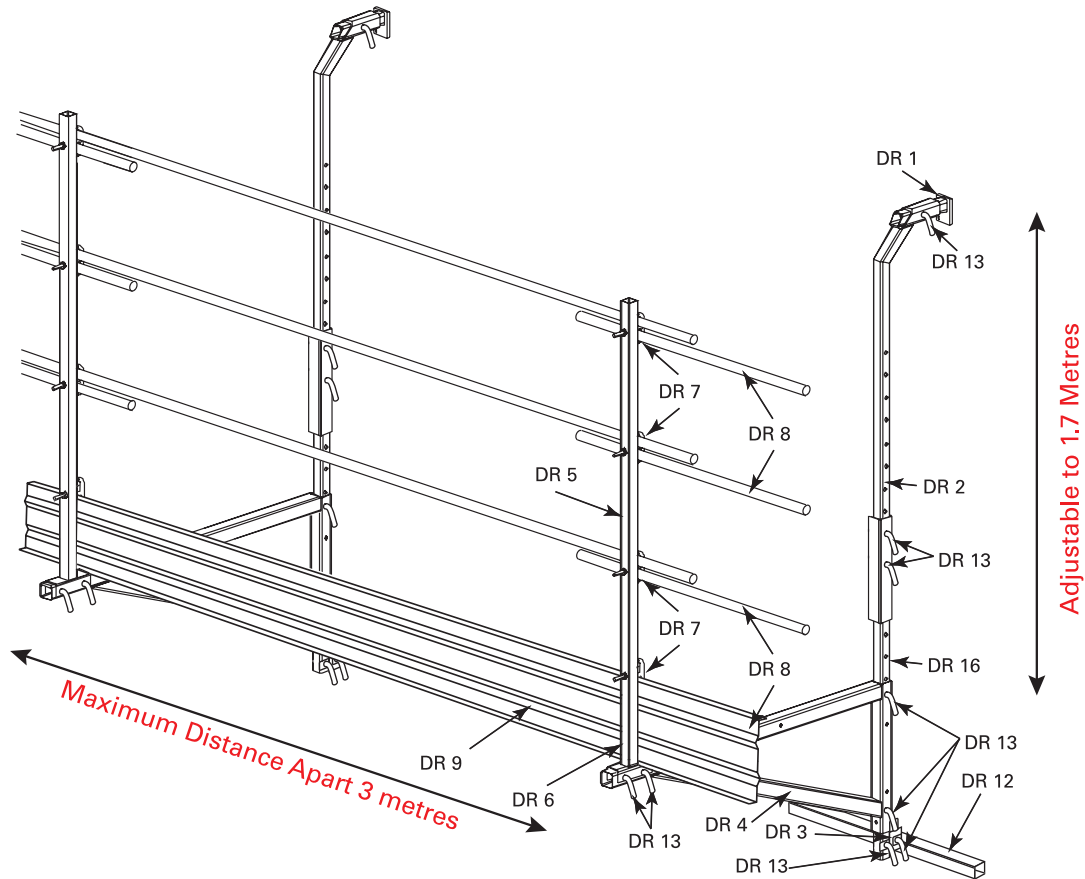
Adjustable head
Adjustable rail post
1700mm Height adjustment
Timber frame
Steel frame installation
Over brick installation
Invertable for no eave
Kickboard



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TEMPORARY WALKWAY SYSTEM

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- DR 1 Adjusting Clamp
- DR 2 Offset Hanger
- DR 3 Base Arm
- DR 4 Triangle
- DR 5 Rail Post
- DR 7 Ankabolt
- DR 8 Handrail (3.25m)
- DR 9 Kickboard
- DR 12 Stud Bridge
- DR 13 Elbow Pin
- DR 14 Safety Clip
- DR 15 Wing Nut
- DR 16 Short Hanger Extension





HANDOVER CERTIFICATE

Factory 1/96 Canterbury Road
Bayswater 3153 Vic. Australia
Tel: 1300 132 731 Fax: 03 9761 6190
www.aussiesolutions.com.au ACN: 097 159 030

Job Number

Client: _____

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Site Address: _____

Scaffold Location: _____

Type of scaffold: HANDRAIL/WALKWAY/OTHER: _____

Duty of Platforms: _____

Scaffold Length: _____

Type of Access: _____

Date of Handover: _____

Time of Handover: _____

Name of Responsible Scaffolder: _____

Signature of Responsible Scaffolder: _____ Lic/Nº: _____

Aussie Solutions shall not be liable in respect of any loss, damage or injury of any description whatsoever arising out of or related to any event, accident or incident occurring in or about: A) areas where equipment is not installed by the company and B) areas where Equipment has been installed by the company but where such Equipment has subsequently interfered with.

SAMPLE



HANDOVER CERTIFICATE

Factory 1/96 Canterbury Road
Bayswater 3153 Vic. Australia
Tel: 1300 132 731 Fax: 03 9761 6190
www.aussiesolutions.com.au ACN: 097 159 030

Job Number

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Site Address: _____

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SAMPLE

