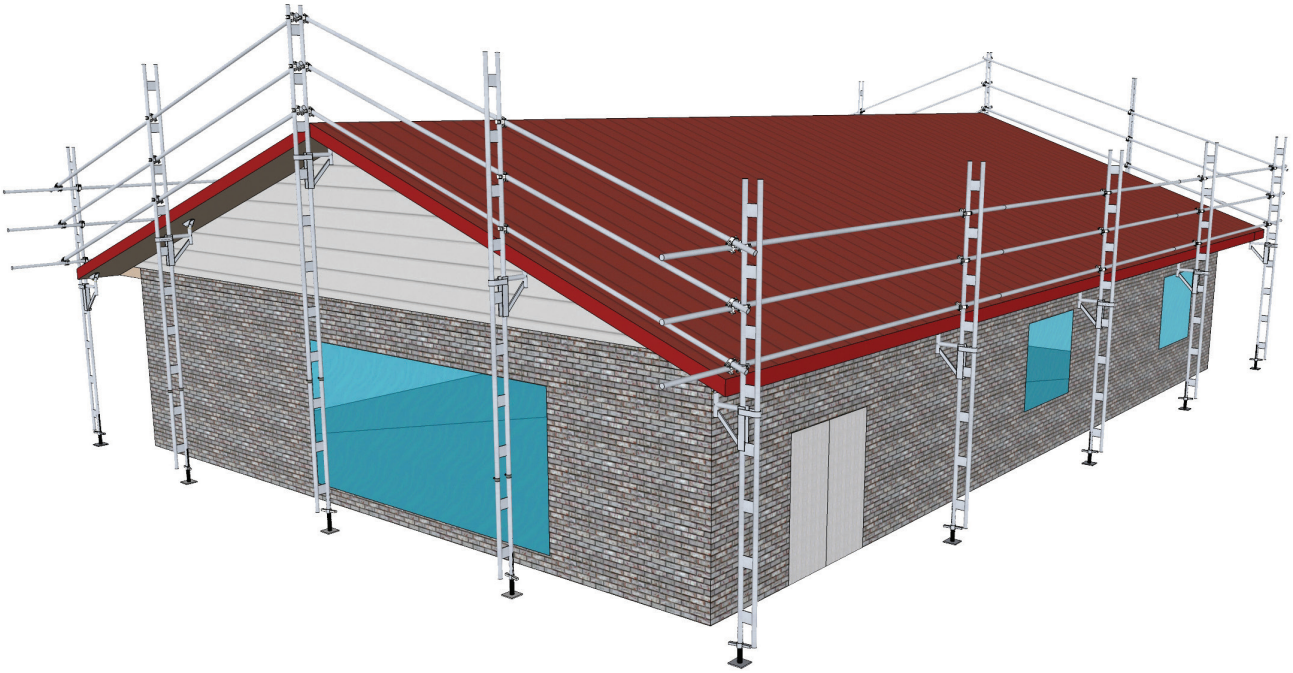
EASY ACCESS

EDGE PROTECTION

OPERATIONAL SAFETY AND ASSEMBLY INSTRUCTIONS FOR EASYRAIL

EASY ACCESS EASY RAIL®



Users of the Easy Access EasyRail System - please read the following instructions carefully and do not operate the platform until the instructions have been read and understood.

We strongly suggest that users be familiar with and follow the "Temporary edge protection standard", AS/NZS 4994.1:2009. This is available from Standards Australia and NZ.

Further information is available in the SARNZ publication; "Best Practise guidelines for Scaffolding in NZ" More information is also available at www.safeworkaustralia.gov.au and www.worksafe.govt.nz

#01470 11/2026

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A STEP ABOVE

MAINTENANCE

All EasyRail components must be checked regularly for damage such as dents, cracks, buckling and the like. If found the system must not be used. Damaged or missing components are easily replaced, and must be so before further use. The following components in particular must be checked against the relevant criteria:

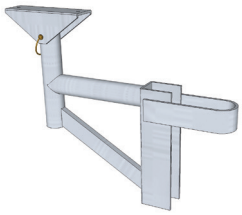
1. Roof Posts and aluminium tube: Ensure all tube has a minimum OD of 48mm, and there are no dents, buckling, pits, deep scoring, twisting or bends or in them.
2. Cantilever Bracket: Check structure for the same defects as detailed in (1). Ensure the foot plate clip is securely fastened and the grub screw or retaining bolt is in place.
3. Screw jacks: Ensure that the threaded stem is kept well lubricated and the nut cannot travel closer than 150mm to the end of the spindle. The base plate must sit flat on the support surface.
4. Couplers and joining spigots: Ensure the manufactures name is stamped on the coupler and there is no twisting, cracks, splitting, stripped threads, missing or stretched rivets or nuts on any coupler or spigot.

Your supplier can assist with replacing or trading damaged components and is able to give advice and/or assistance.

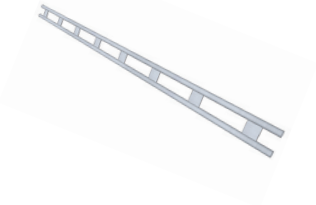
ASSEMBLY / COMPONENTS

The EasyRail system consists of the following components:

Cantilever Bracket



EasyRail Roof Post



Screw Jacks



Outriggers



Aluminium EasyRail Tube



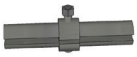
90° Fixed Couplers



Swivel Coupler



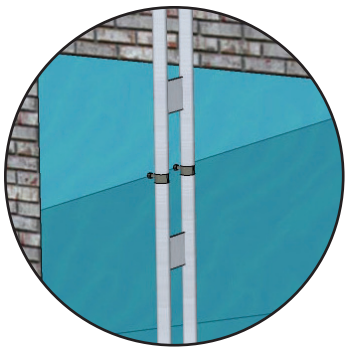
Internal Joining Spigot



INSTALLATION / DISMANTLING

Define the full work zone to be protected and how it will be accessed (see point 11). A minimum of two staff members will be required to erect the EasyRail edge protection. Tools that will be required in the assembly of EasyRail are: Adjustable wrench or socket, level, stud finder, tape measure, inclinometer, 50 x 10mm coach screws, ladders and suitable sole plates if the support surface is soft.

1. Measure the height of the building fascia line and select the applicable EasyRail post length. The post should extend at least 1050mm above the fascia line. In the case of gable ends check the fascia line height at intervals no greater than 4000mm measured horizontally. EasyRail posts can be joined together using Internal joining spigots to increase the overall length of the post as required.
   NOTE: The EasyRail system is designed primarily for residential use. The maximum height of the soffit must not exceed 7 metres. There should not be more than two Easyrail posts joined in a sequence. E.g a 7mH soffit would utilize 2x 4mL posts.

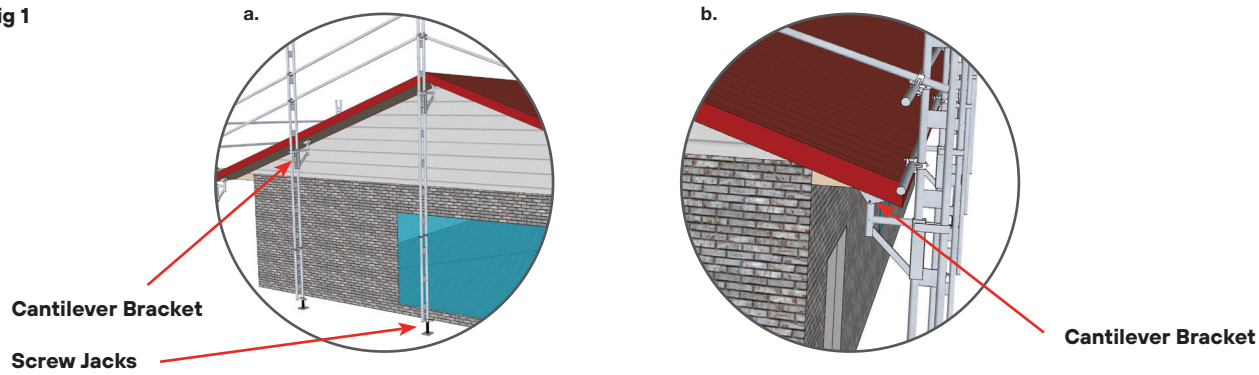


Two AER post ends secured with 2x spigot joiners

INSTALLATION / DISMANTLING

1. For gable ends a top rail and mid rail is the minimum requirement, roof slopes greater than 10° from the horizontal require three tube rails. In no circumstances shall tube rails extend unsupported more than 1000mm past an EasyRail post.
2. Slide a Cantilever bracket over each EasyRail post and insert a Screw jack into the base of the post. Fig 1a.
3. Attach 3 x 90° couplers to the top of the post spaced at 450mm nominal centres from the top. Fig 2.
4. Starting at one corner of the building stand a post up close to the fascia line, slide the Cantilever bracket up under the soffit ensuring there is a solid member under the soffit cladding to support the bracket. Tighten the bracket thumb screw onto the post taking care not to over tighten. Fig 1b.
   NOTE: If the solid member is timber; it must be no less than H1 treated 70 x 40mm framing.

Fig 1



5. Ensure the post is vertical in both directions and is no more than 100mm away from the gutter line of the roof or 300mm away from a gable end as shown in the below. Ensure a suitable sole plate is positioned under the Screw jack if the support surface is not hardstand. The soleplate should be timber; 500mmL x 200mW x 50mm deep minimum.
6. Adjust the nut on the screw jack to securely clamp the bracket under the soffit. The post must be able to withstand an impact of 60kg from any direction at the base of the structure. If necessary the base plate should be pinned to the support surface to prevent accidental dislodgement.
7. If there is no soffit on the building or the cantilever bracket cannot be fixed to a secure supporting member, outriggers must be used to stabilise each post. The base of the outrigger should be in firm contact with the support surface, at least 1.5m out from the base of the post. Ensure the mounting couplers are firmly tightened.
   NOTE: the base of the post should be fixed down to the support surface by a suitable anchor. Use a screw anchor if the surface is concrete or re-bar if it is hardstand or earth.

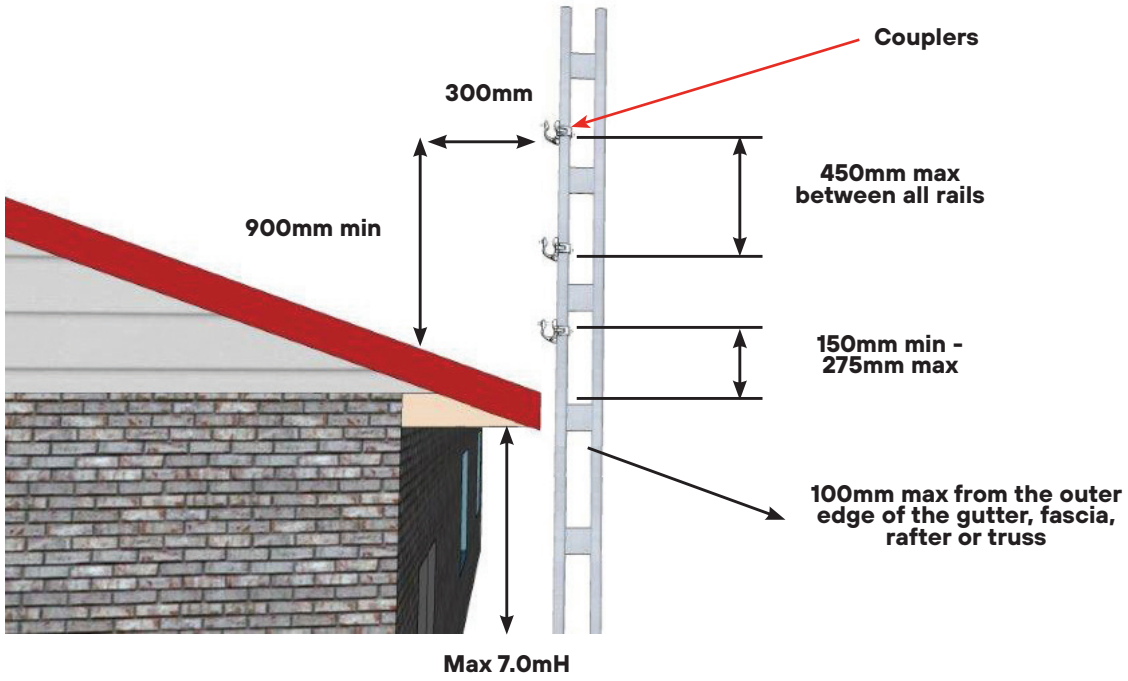


8. Insert a 50 x 10mm coach screw through the bracket tab into the soffit member to further protect against dislodgement. If the support member is metal a 6mm tek screw and washer must be used in place of the coach screw.
   NOTE: The fixings described above may be omitted if the situation requires there to be no penetration of the soffit.
   If this is the case, the supporting structure must be able to withstand the pressure required to prevent the dislodgment described in point 6 without the base plate needing to be pinned.
9. Repeat steps 2-6 above for more posts working your way down the wall. Posts should be positioned as close as possible to the ends of the wall and be no further apart than 4000mm centre to centre.
10. Once the posts have been installed, position the horizontal tube rails into the couplers. The tube rails are joined horizontally using joining spigots. Tighten the couplers around the tube rails using an adjustable wrench.
    NOTE: The rails are best attached to the posts from off the roof ensuring the installtion personnel are securely harnessed until the couplers have been tightened and all components are in place
11. Once the posts have been installed, position the horizontal tube rails into the couplers. The tube rails are joined horizontally using joining spigots. Tighten the couplers around the tube rails using an adjustable wrench.
    NOTE: The rails are best attached to the posts from off the roof ensuring the installtion personnel are securely harnessed until the couplers have been tightened and all components are in place.

INSTALLATION / DISMANTLING

12. Once the horizontal tube rails have been tightened to the couplers, adjust the coupler height on the posts to ensure compliance with the Figure 1 below and the following parameters:
    a) The top rail shall be not less than 900mm above the surface when measured 300mm in from the roof edge. The EasyRail system is not designed for roof slopes greater than 35° to the horizontal.
    b) Distance between the rails shall not be less than 450mm.
    c) The vertical distance between the lowest rail and the roof edge shall not be less than 150mm and not greater than 275mm.
    d) Ensure the three tube rails are as close to parallel as possible.

Fig 2



13. Ensure that EasyRail posts are within 1000mm of any corner and that the tube rails are securely connected one below the other at each corner. Fig 4.
14. Entry points for ladder access must be provided. These are available as a fabricated product or can be created using tube and couplers, see Fig 3. The ladder must be firmly secured against accidental dislodgment either by fixing to a post or to the roof structure.

Fig 3

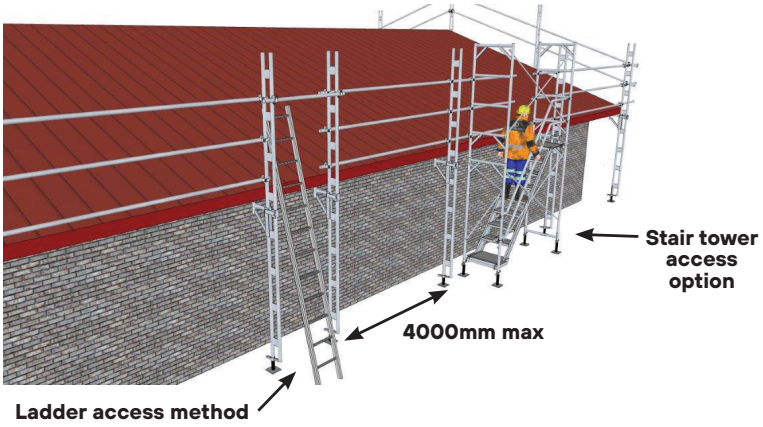
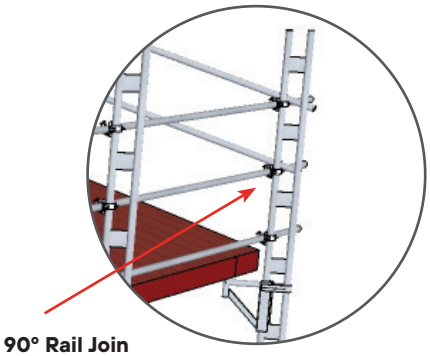


Fig 4



KEY MEASUREMENTS

A - Guardrail Min 0.9mH.

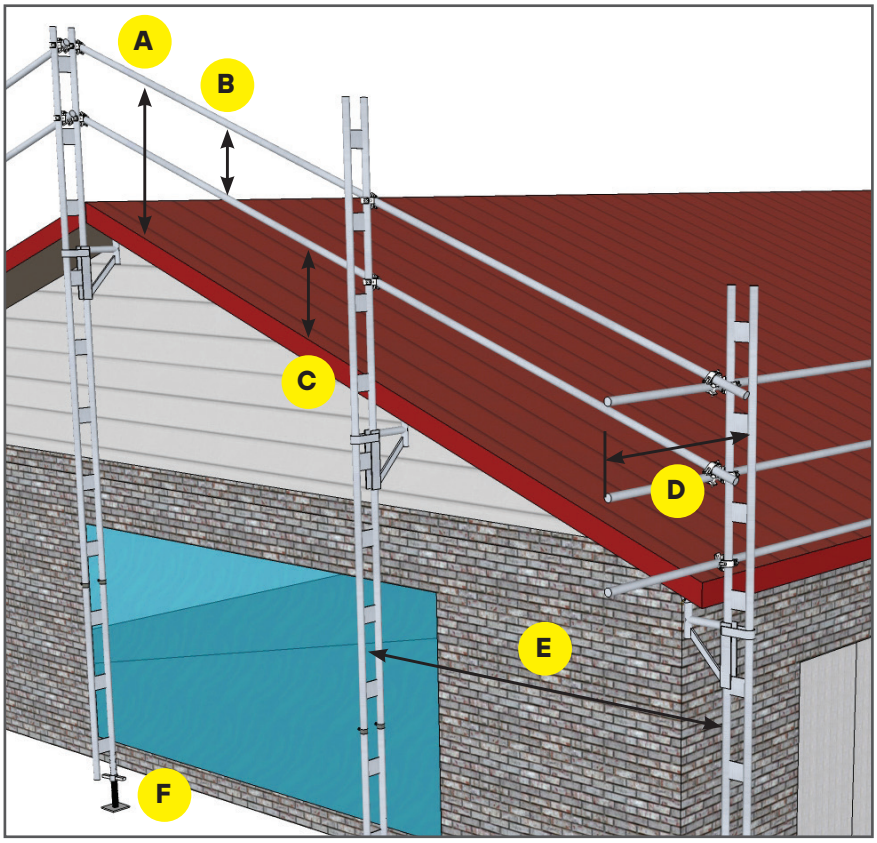
B - Max 0.45m gap between guardrail and midrail.

C - Max 0.45m gap between midrail and roof surface.

D - Max 1m unsupported past an Easyrail post.

E - Max 4.0m spacing between Easyrail posts.

F - Screw Jacks at base.



TRANSPORTATION / STORAGE

The EasyRail system can be transported on any suitable vehicle including heavy duty roof racks. The posts and tubes must be securely fasted to the vehicle. EasyRail components may be stored outside.

TESTING

The EasyRail system has been designed and tested according to the dynamic test requirements outlined in AS/NZS 4994.1:2009.

THANK YOU FOR TAKING THE TIME TO READ THESE INSTRUCTIONS, AND FOR PURCHASING YOUR EASY ACCESS EASYRAIL SYSTEM.

The manufacturers or supplier will not accept liability for injury or damage resulting from product failure due to misuses, abuse, faulty installation and alteration, lack of reasonable care, lack of adequate training, use not listed under these Operational Safety Instructions or any other failure not related to defects in materials or manufacture.

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