

Installation Guide

# Equinox Installation Guide

## 00 INSTALLATION GUIDE

# Equinox Canopy

The Equinox is a cantilevered aluminium canopy, supplied as a pre-finished kitset. It goes up in six steps: rails, outriggers, mounting blocks, head flashing, trays and gutter.

Read this guide in full before starting. Install in accordance with the project's approved drawings, the project engineering documentation and the Equinox Canopy Technical Data Sheet. Where this guide and the project documents differ, the project documents take precedence. Contact Entrada before proceeding.

**Do not modify the kitset**

Do not cut, drill or modify Equinox components on site except as shown in this guide. Unapproved changes void the engineering and the warranty.

## Kitset components

| COMPONENT                                   | USED IN       |
|---------------------------------------------|---------------|
| Rails                                       | Step 1        |
| Coach screws and EPDM washers               | Step 1        |
| Outriggers and outrigger end caps           | Step 2        |
| Mounting blocks                             | Step 2        |
| Threaded rods, nyloc nuts and thread locker | Step 2        |
| T-bolts, nuts and washers                   | Step 3        |
| Head flashing                               | Step 4        |
| Canopy trays                                | Step 5        |
| 1 mm foam tape                              | Step 5        |
| M5/M6 screws                                | Step 5        |
| Gutter, gutter end caps and droppers        | Step 6        |
| Rivets                                      | Steps 2 and 6 |

## 01 BEFORE YOU START

# Before you start.

## Check the delivery

- Check all components against the packing list before starting.
  - Inspect the powder coat finish for transit damage. Report any damage to Entrada before installing.
  - Store components flat, dry and off the ground, in their packaging, until needed.
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## Check the site

- Confirm the canopy size, location and height against the project drawings.
  - Confirm the wall structure and fixing substrate match the Technical Data Sheet and the project engineering documentation. Fixings must go into the structure specified, not cladding alone.
  - Check the wall is plumb and flat across the rail length. Pack only as allowed in the project documents.
  - Locate and avoid services in the wall before drilling.
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## Tools and equipment

- Drill/driver and bits to suit the specified fixings
  - Socket set and spanners
  - Rivet gun
  - Sealant gun and the sealant specified in the project documents (Sikaflex®-11 FC)
  - Laser or spirit level, string line and tape measure
  - Clean, soft cloths and padded trestles to protect the finish
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## Safety

- Work from a scaffold, mobile platform or elevating work platform. Do not lean ladders against, or stand on, any part of the canopy.
  - Follow the working at height and workplace safety regulations that apply where you are working.
  - Two people are needed to lift and position canopy trays.
  - Wear appropriate PPE, including eye protection when drilling and riveting.
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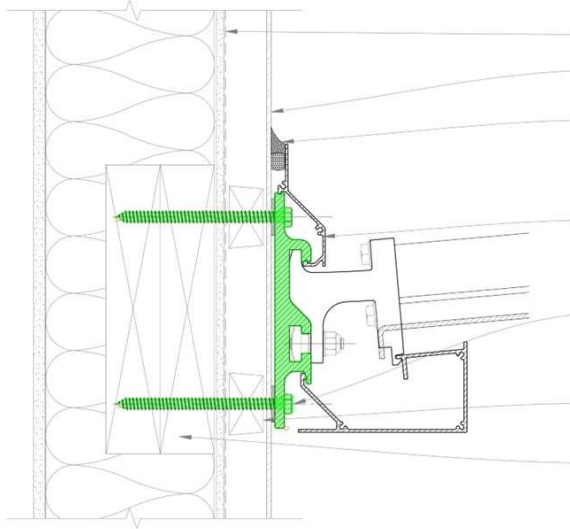
### Protect the finish

Keep components clear of wet cement, mortar, plaster, paint and solvents. Remove any contact straight away and wash with mild detergent and fresh water. Remove protective film as soon as each part is installed.

## STEP 01

## Rails

1. Set out the rail line level at the height shown on the project drawings.
2. Fix the rails securely to the wall structure using the supplied coach screws and EPDM washers. Refer to the Technical Data Sheet for fixing size, spacing and substrate requirements.
3. Check the rails are level, straight and in line before moving on.

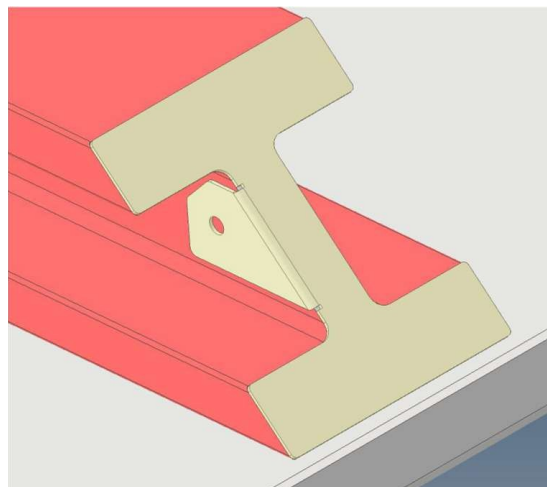
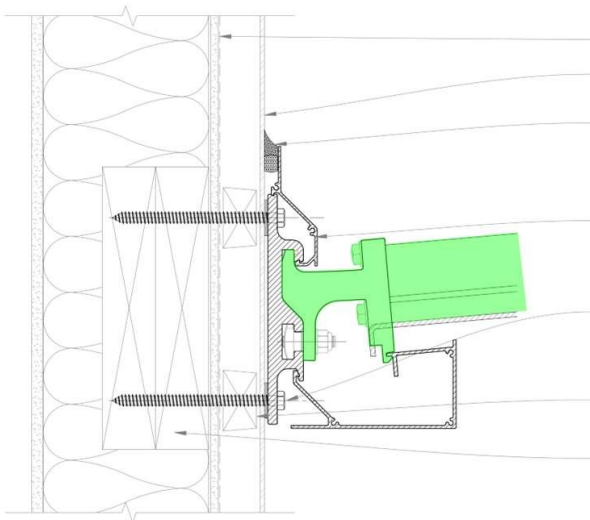


Rails fixed to the wall structure (shown green).

## STEP 02

## Outriggers and mounting blocks

1. Pre-assemble the outriggers to the mounting blocks using the supplied threaded rods, nyloc nuts and thread locker.
2. Attach the end caps to the outriggers using the supplied rivets.



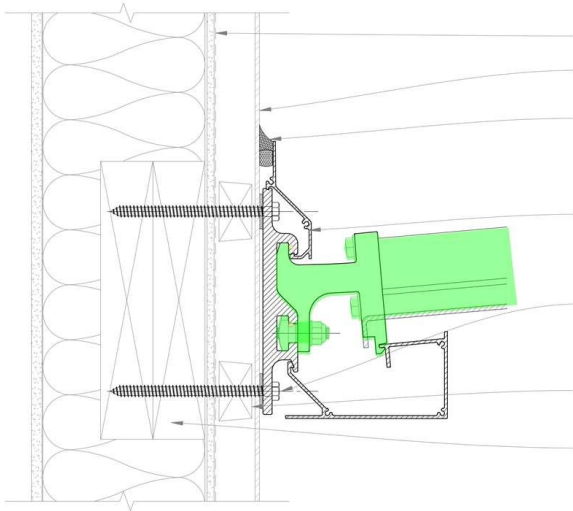
Outrigger and mounting block assembly (shown green), and outrigger end cap.

## STEP 03

## Mounting block assembly

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1. Insert the T-bolts into the rails.
2. Fit the mounting block and outrigger assembly onto the T-bolts.
3. Secure the assembly to the rails using the supplied nuts and washers.
4. Check the outriggers are square to the wall and in line before fully tightening.



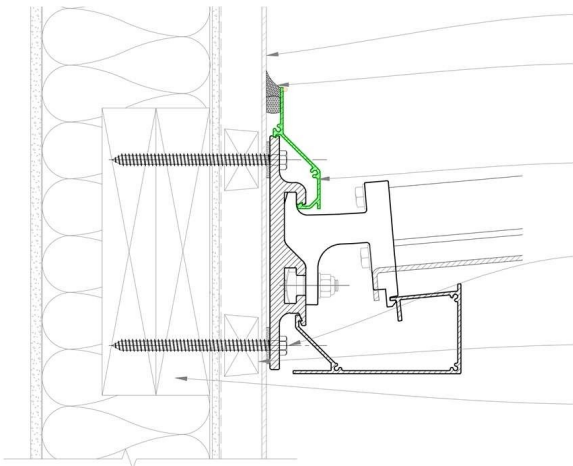
Mounting block and outrigger assembly secured to the rails (shown green).

## STEP 04

## Head flashing

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1. Clip the head flashing into place along the top of the rails.
2. Seal the head flashing to the wall as shown, using the specified sealant.

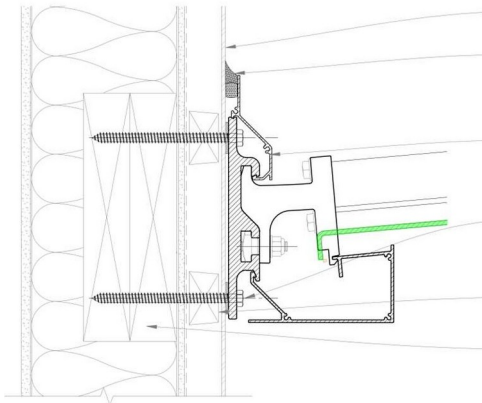


Head flashing clipped on and sealed (shown green).

## STEP 05

## Canopy trays

1. Apply 1 mm foam tape along the sides of each tray to achieve a complete seal between trays.
2. Lift each tray into position on the outriggers. Two people are needed.
3. Fix the trays to the outriggers using the supplied M5/M6 screws.
4. Check tray joints are tight and the canopy plane is level and true.

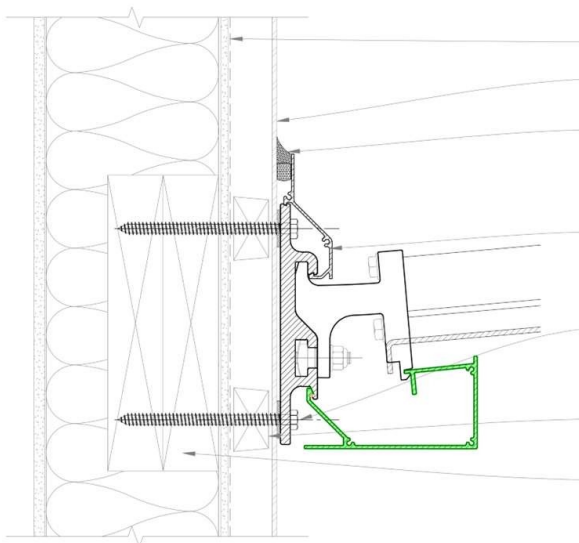


Canopy tray on the outriggers (shown green), and foam tape being applied to a tray.

## STEP 06

## Gutter

1. Fit the end caps to both ends of the gutter using the supplied rivets.
2. Position the droppers as required and seal them in place.
3. Clip the gutter securely onto the rails.
4. Run water along the gutter to check it drains freely to the droppers.



Gutter clipped onto the rails (shown green).

## 02 COMPLETION

# Completion checklist.

Check the installation and hand over the documents before leaving site.

- ☐ Rails fixed to the structure with all coach screws and EPDM washers in place
  - ☐ Outrigger nuts tight, with thread locker applied
  - ☐ All end caps riveted in place
  - ☐ Head flashing clipped on and sealed to the wall
  - ☐ Foam tape continuous along all tray sides, and all tray screws fitted
  - ☐ Canopy level, square and true to line
  - ☐ Gutter clipped on, droppers sealed, and water drains freely
  - ☐ Protective film removed, and canopy cleaned of dust, swarf and fingerprints
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## Handover

- Any installation sign-off or compliance documentation required by the local building authority
  - Entrada Care & Maintenance Manual (ENT-CM), for the building owner
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**Entrada**

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