Sculptform Click-on Battens

Installation Guide for Walls & Ceilings

Scan to view our Installation Videos

Contains standard TCR suspended ceiling system

Updated: 07/2025

SCULPTFORM

sculptform.com

IMPORTANT

This installation manual is intended to provide information that will enable designers, builders and owners to execute their projects effectively. Not all project types, design requirements and installation scenarios will be covered. The Sculptform team are happy to assist with project- specific solutions by contacting us at support@sculptform.com.

Product recommendations throughout the manual are generalised as guidelines on how the system functions, and intended for a technically competent person only. **As project specific requirements are different project to project, prior to installation, all engineering verification checks should be done on the final design at the shop drawing stage by the person or company contracted to design.** As Sculptform is typically supply only in terms of contract, Sculptform takes no responsibility in terms of "fit for purpose". It is important for designers, builders and owners to fully understand the product properties and capabilities, before making final selections. Please refer to our **Product Technical Datasheet** for more information.

It is the responsibility of designers, builders and owners to ensure that the information in this manual is current, by checking with Sculptform or referring to our website **sculptform.com**. As new technology is introduced or industry standards are altered, Sculptform reserves the right to alter existing specifications and delete product without notice.

The use of this manual does not:

› guarantee acceptance or accreditation of a design, material or building solution by any entity authorised to do so under law;

› mean that a design, material or building solution complies with the National Construction Code; or

› absolve the user from complying with any local, State, Territory or Government legal requirements.

Thank you for choosing our products!

Please follow these guidelines to ensure optimal condition and performance.

Important: Proper storage and handling are critical to maintain product quality, and improper handling may void all warranties and performance guarantees. **For support, please contact: support@sculptform.com**

Taking Delivery

Please follow these steps:

- **Check against the consignment note** that you have the correct quantity of packs.
- **Assess the overall condition of the packs.** If there is any damage, you should notify Sculptform immediately on the contact information below.
- **Check off your order against our delivery docket and ensure the quantities are correct**. The delivery docket is sent electronically to your nominated delivery contact.
- **Notify Sculptform within 2 business days** from receipt of the Goods.

Storage Conditions:

- Product should be stored on a level surface, with minimal exposure to the sun or UV, moisture (including ground moisture).
- Store in a dry, shaded area. Moisture within the timber may be released within the packaging over time, discolouring or compromising the coating.
- If possible, the product should be kept in its original pack until installation. If it is repacked, it should be done the same as the original pack to maintain quality.

Handling Guidelines:

- Keep packages elevated and stored on a flat, stable surface.
- Handle with care to avoid dents or scratches.
- Use appropriate lifting equipment for heavy packages and avoid dropping.
- Special care is required in the handling, transportation and during installation. For example: Anodised surfaces scratch easily. The anodised product should not rub or slide against each other.

Additional Notes:

- Store interior products inside.
- If exterior products need to be stored outside, ensure they are protected from the weather, kept dry and out of direct sunlight.

Contents

Product Overview **4**

The Components **5**

Applications **8**

Walls 8

Direct Fix Ceilings/Soffits 9

Curved Walls/Ceilings 10

Suspended Ceilings 12

Click-on Battens Install Procedure **11**

Walls and Direct Fix Ceilings 11

Suspended Ceilings 13

Mounting Track 15

Mounting Track Joiner 15

Seismic Bracing Details **16**

Set Out Options **19**

Click-on Batten Details **20**

Fixing Slim Track Details 20

Anti-slip Details 20-21

Timber & Aluminium Batten Joiners 21

End Matching 21

Batten Length Options 22

Staggered Joins 22

Clip Installation Details 23

External Corners and Infills 24

End Junction Options 25

Door Systems 26

Wall Penetrations 27

Ceiling Penetrations 28

Access Panels 29

Batten Replacement and Removability 30

The Click-on Batten System

1. Mounting Track with Pre-fixed Clip

Our unique batten clips are pre-fixed to the mounting track at the specified spacing required for the project. The mounting tracks are available in a range of types to suit the application. See page 5 for our full range of mounting track types.

2. Battens

Feature battens are available in solid timber or aluminium, in a range of shapes, sizes and coating options. Battens can be spaced and sequenced in your desired combination and are simply 'clicked' onto the clip for fast and easy installation.

3. Acoustic Backing

PET (50% Recycled) backing is supplied for interior applications, providing great acoustic performance.

4. Fixing Screw

Standard mounting track fixing screw appropriate for substrate. **Not supplied by Sculptform.**

Components

Mounting Track Types

Note: Screw fixing to suit substrate, not supplied by Sculptform.

Standard - 45mm wide x 25mm deep

Suitable for interior and exterior applications and features a specially designed groove for the acoustic backing. The 45 x 25mm standard track offers more flexibility in fixing options. Normally a 10g/12g self-drilling screw is used for fixing however this will depend on the substate and project specific engineering requirements. Please consult with your engineer.

Recommended screw fixing centres:
Refer to the project specific engineering documents and our product technical datasheet.

Slim - 25mm wide x 25mm deep

Designed for exterior applications the slim track is specifically streamlined for water drainage. Can also be used for interiors when no acoustic backing is required.

See page 20 for details on fixing the track to your substrate.

Typically 10g x 50-75mm pan head screw required.

Recommended screw fixing centres:
Refer to the project specific engineering documents and our product technical datasheet.

Curving - 45mm wide x 17mm deep

Supplied to site flexible and used to curve around the existing form.

Recommended screw fixing centres:
Please consult with our PreCon team for more information. The curving track is flexible, and requires the correct bracing behind to provide additional support.

Curving track is not designed to be used externally.

Suspended Ceiling - 45mm wide x 32mm deep

Only suitable for suspended ceilings in internal applications. Hangers and TRC not included. Designed to snap into standard suspended ceiling systems and replaces the furring channel and locking key.

Suspended ceiling system not provided by Sculptform.

Irregular surface

Regular surface

Direct Fix Clip

To fix battens individually without a mounting track on an **irregular surface.**
Directly screw to the substrate with the washer provided.
The washer provides a flat base ensuring correct engagement of the clip to track.

On **regular surfaces** such as machined ply forms or plasterboard,
the clip may be fixed without the washer.

Fixing Spec: 8 Gauge countersunk screw required to suit application. Note that the capacity of the clip to substrate is dependent on the
fixing method used and the type of substrate. Please consult with
your engineer.

Sliding Clip

The sliding clip slides in the Mounting Track for onsite spacing adjustment.
The clip is locked into place with an Allen Key, to maintain the position and angle selected.

Swivel Clip

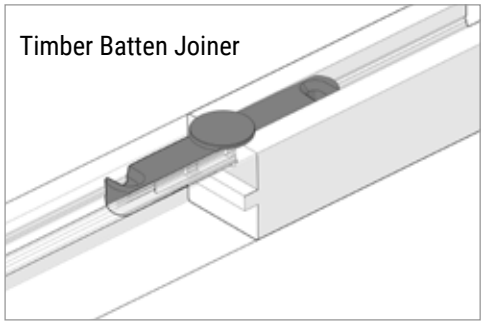
The swivel clip is factory fitted to Mounting Tracks to accommodate angled battens.

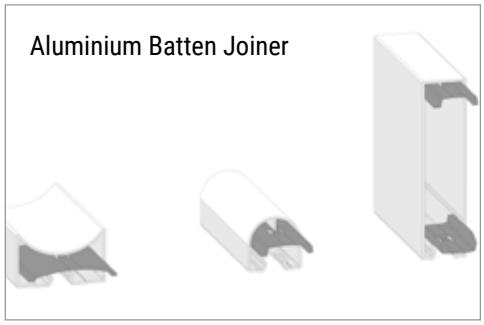
See Saw Clip

The see-saw clip was designed to facilitate angles across multiple planes, ideal for intricate, parametric designs. True to its name, this clip enables battens to tilt at customised angles, fanning in two planes to create uniquely tailored designs.

External Corner

Wrap around external corners require the use of a specifically designed corner clip which simply clicks into our mitred standard mounting track. The DAR corner batten is screw fixed first, followed by the installation of our Click-on Battens.
See page 24 for more details.





Batten Joiners

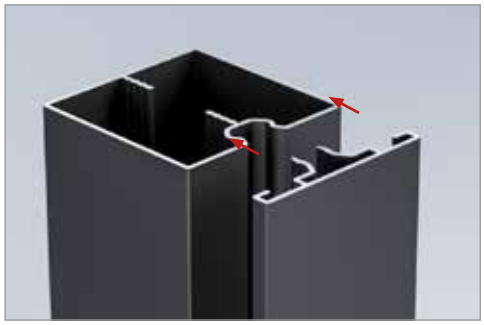
Where battens require joining off a clip, a specially designed batten joiner is provided to align the ends.

25x40mm L-profile Trim

Supplied as an anti-slip detail at the bottom of wall battens and for trim around border penetrations to keep things clean and neat. Can also be used to hide the ends of battens that are exposed, to hide the groove in the back of the batten.

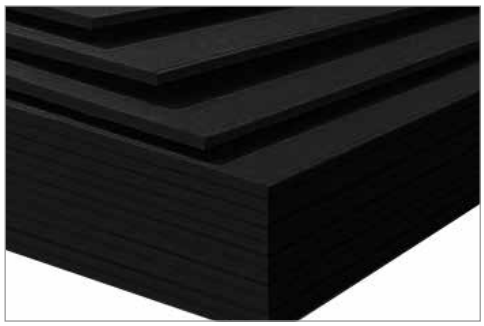
End Caps

End caps are provided with all our aluminium battens. All end caps are powder coated in a colour to match to the battens or wrapped in our wood finish option. Installation is easy with a push-fit connection.



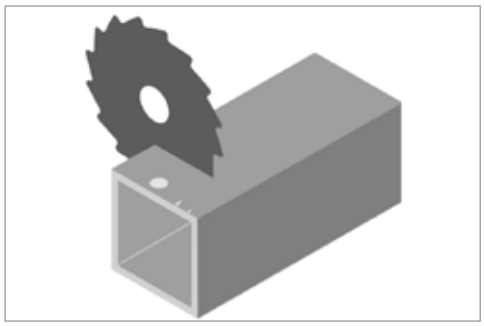
Back Cover Plate

Where the back of the batten is visible and the visual of the fixing groove is not desired, an aluminium back cover plate is provided. The plate is matched to the same finish as the battens and clicked into the back of the batten in the direction as shown.



Acoustic Backing

Our Group 1 rated acoustic backing is cut to 585mm x 1185mm panels and fits into the specially designed groove of the mounting track. The acoustic backing is inserted at the bottom edge first then bent slightly to fit neatly into the track above. A tool such as a flat head screwdriver is handy to help guide the backing into place.



PLEASE NOTE:

Due to the manufacturing process of Aluminium Click-on Battens, it is necessary to trim both ends of the batten. During production, the battens are tandem fed into the machine for wood finish and then snapped apart, which may result in a slight lifting of foil along the edges. Additionally, powder coatings might exhibit electrode marks as part of the manufacturing process. Therefore, it is always advisable to trim both ends of the batten for optimal results.

Application
Walls

Typical stud wall
(Maximum stud centres 600mm)

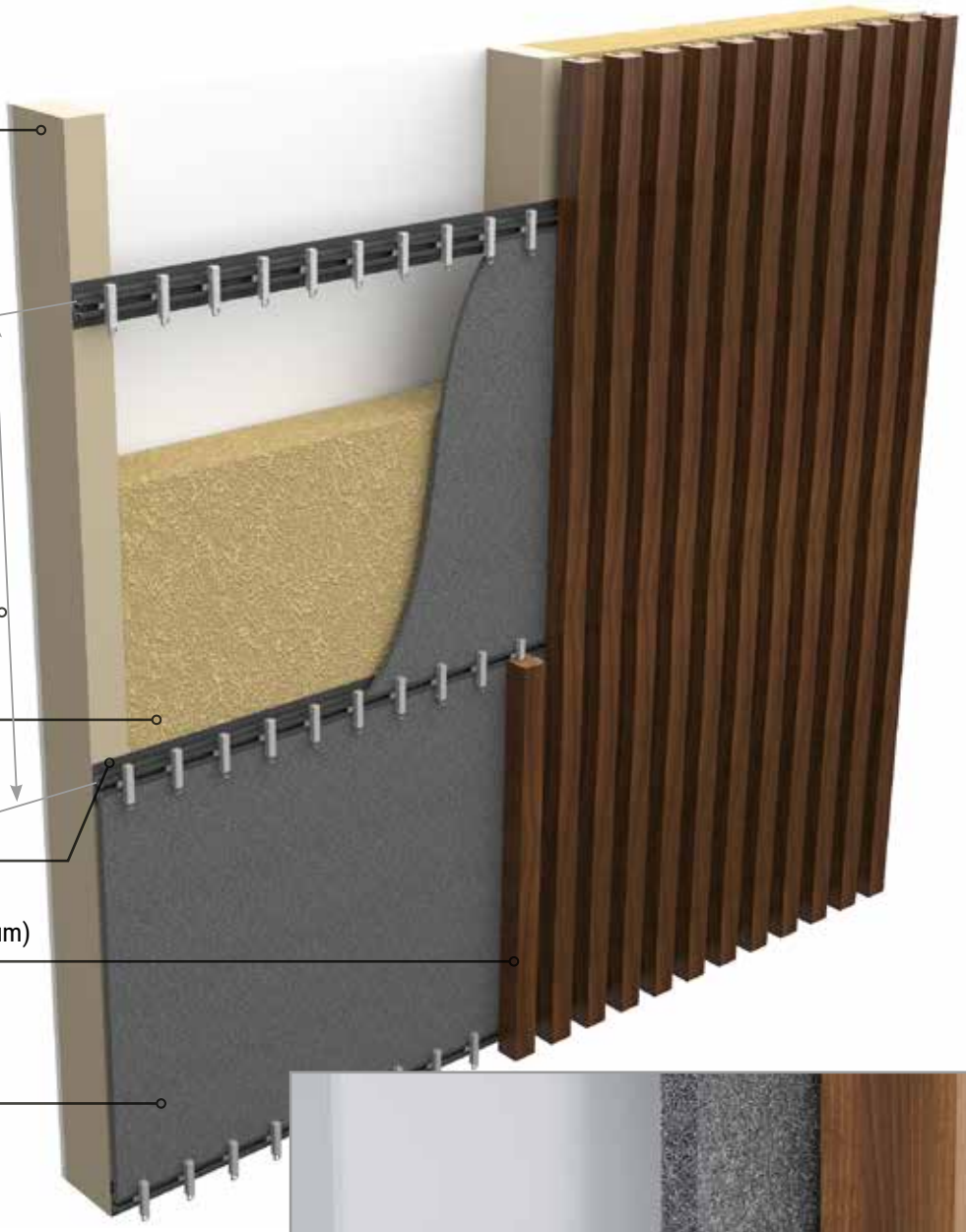
Mounting Track Centres:
Interior regulated environments - typically 600mm for timber battens (stud centres 600mm or less) *[1]*. Exterior applications require additional load considerations of wind which impact on mounting track centres. Refer to our product technical datasheet and consult with your project engineer.

Optional acoustic batts for improved acoustic performance

Standard mounting track

Feature batten (timber or aluminium)

Acoustic backing



[1] Indicative only. Not to be used as Evidence of Suitability.

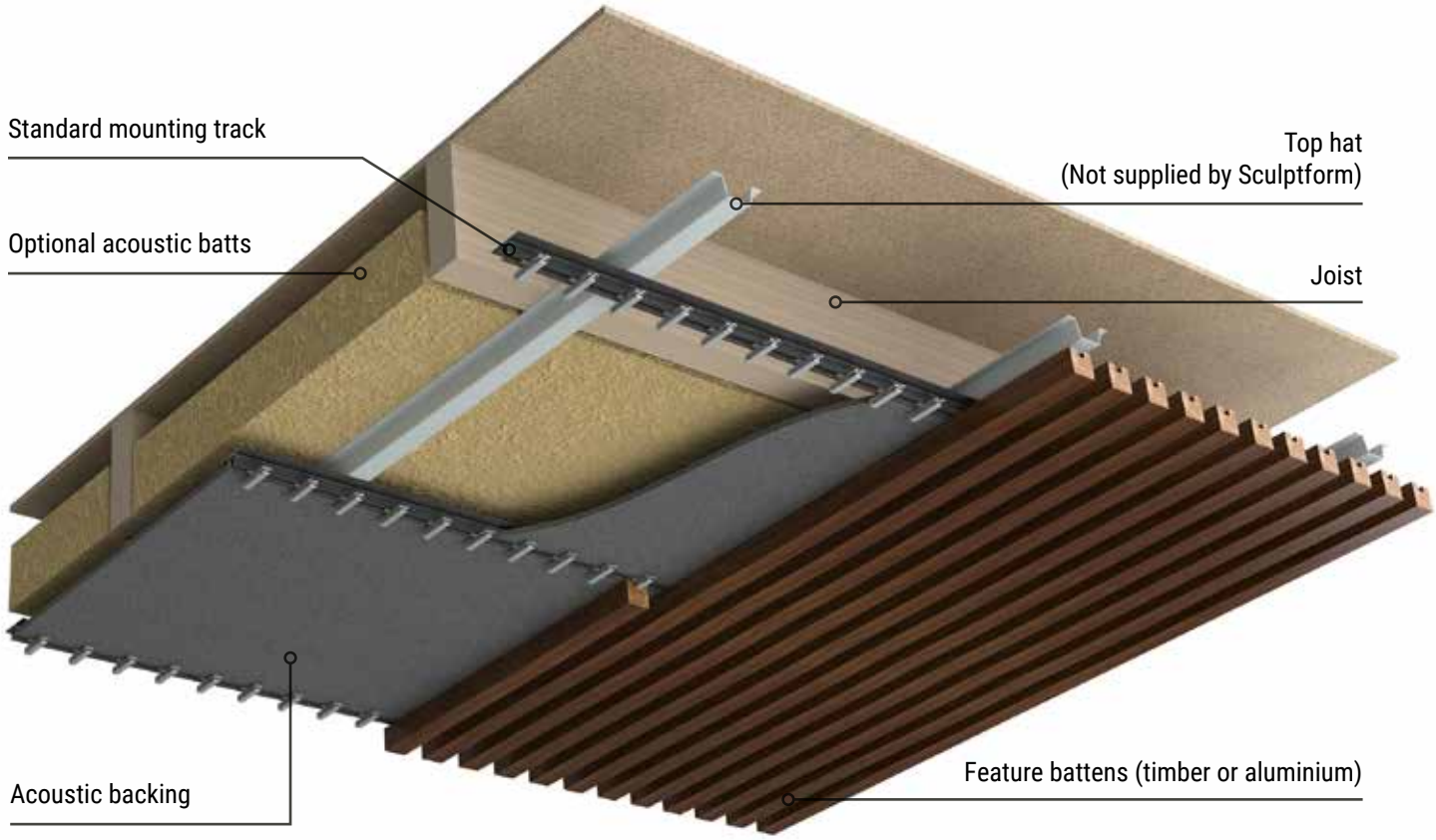
Standard Mounting Track Specifications

45mm wide x 25mm deep

Aluminium extrusion
Standard 3m lengths
Powder coated matt black

Application

Direct Fixed Ceilings/Soffits



Mounting Track Centres

Mounting track centres are dependent on stud centres, batten configuration weight, and anticipated imposed loads. Refer to project specific engineering and shop drawings, as well as our product technical datasheet.

Standard Mounting Track Specifications

45mm wide x 25mm deep

Aluminium extrusion
Standard 3m lengths
Powder coated matt black

Application

Curved Walls/Ceilings

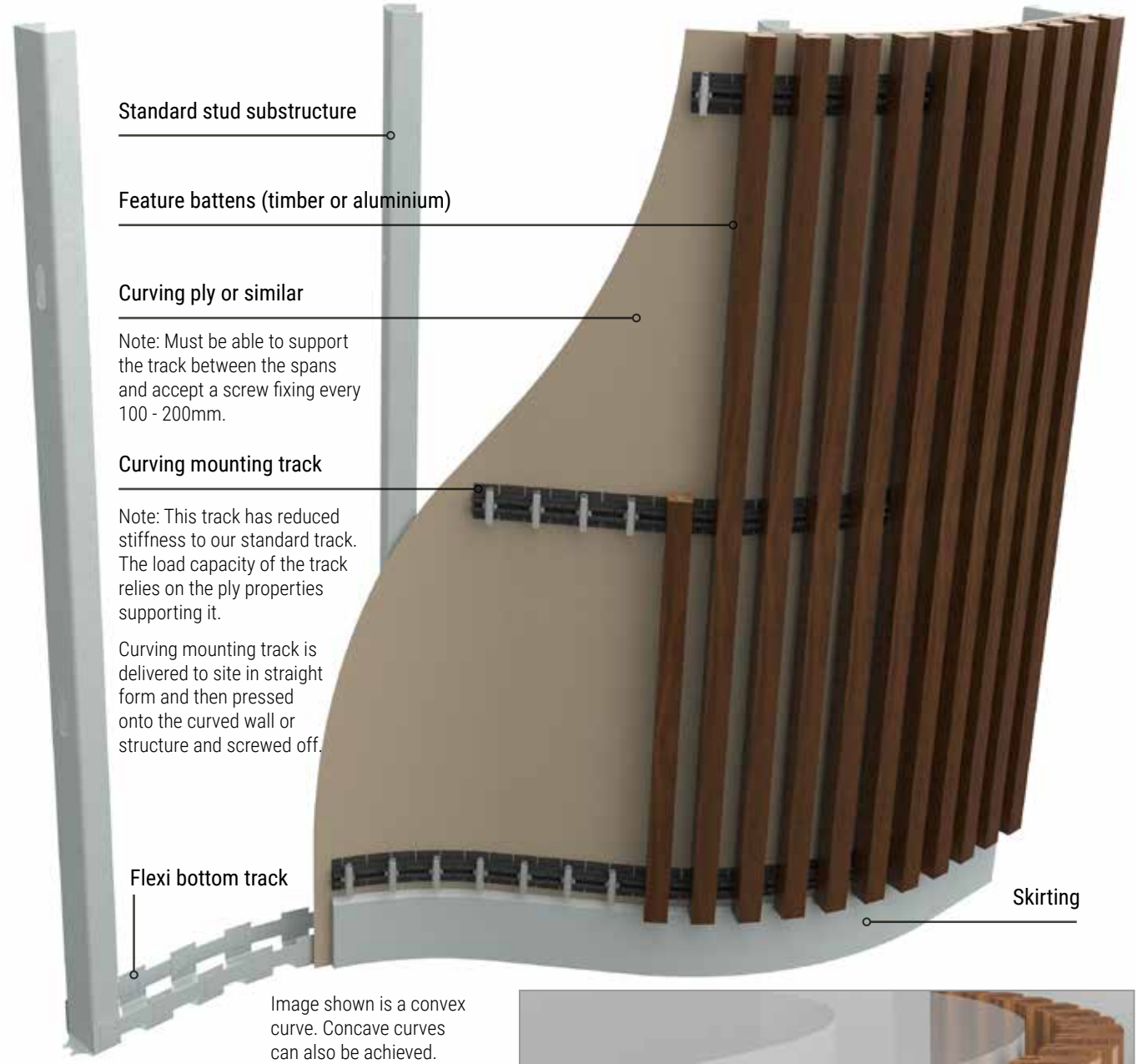
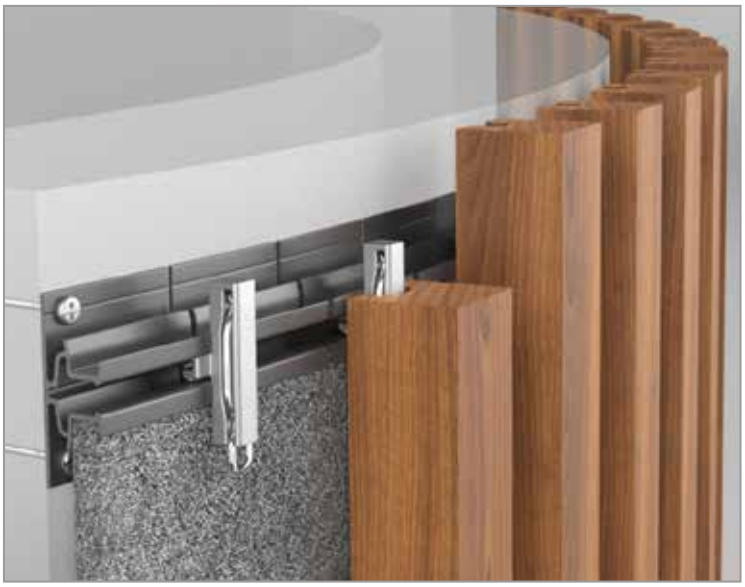


Image shown is a convex curve. Concave curves can also be achieved.



Not suitable to be used externally.

Curving Mounting Track Specs

45mm wide x 17mm deep

Aluminium extrusion
Standard 3m lengths
Powder coated matt black
Minimum curving radius: 200mm
60mm wide battens: 400mm minimum

Click-on Battens Install Procedure

Walls and Direct Fix Ceilings

1. Considerations of Set Out

Referring to the architectural plans, identify any fixed points, edges and penetrations (see pages 24-27). These need to be taken into consideration when planning the layout so that they can be worked into the batten sequence.

PLEASE NOTE:

In some cases penetrations can be moved slightly to suit and/or detailed to suit. Bear in mind the need for structural compensation which may be necessary for these details. In some scenarios building movement must also be considered at the shop drawing stage of the design.

2. Check your Substrate

Before you start the install, you need to ensure your base substrate is plumb and straight. Base substrate (studs) should be running the same way the Click-on Battens intend to run. If this is not the case, install 70x35mm pine framing battens (or top hats) to build a frame which runs perpendicular to your mounting tracks (the same direction of your battens).

PLEASE NOTE:

If you studs are greater than 450mm apart or the battens are to be installed in an area where there may potentially be impact (such as playgrounds or sports halls), additional support may be required to account for soft body or ball impact. See our **Product Technical Datasheet**.

3. Mounting Track Set Out

For vertical battens, the L-profile trim (see page 20) should be fitted first at the required height. The base of the battens will rest on this angle for installation, with the angle preventing batten slippage. If the L-profile trim is not being used, see the alternative anti-slip detail on page 21.

Run your first mounting track, **with the loops of the clips facing down if using the screw method for anti-slip**, roughly 100mm from the L-profile trim or end of battens if this is not being used. For details on how to fix the 25x25mm slim track to the substrate, see page 20.

PLEASE NOTE:

The last mounting track should be no more than 100mm from the end of the battens when spacing between the battens is under 20mm. Ensure there are two or more clip connections per batten.

Install each subsequent track after that at the specified centres, determined at the shop drawing stage during design verification by the project engineer.

Once the tracks are up, install the acoustic backing. Backing can be cut to size with a stanley knife and is held in place by the specially designed recesses in the mounting track. To fit the backing into place, slide the bottom edge into the recess, then flex the backing to allow the top edge to fit under the clips and into the recess.

4. Installing the Battens

Considering the edge details and penetrations for aesthetics, it is recommended to start and finish with an equal space from the last batten. This will need to be taken into consideration on where to start and also how the sequence measurements work in with the width of the room. Refer to page 19 for a range of set out options and if 'fudging' is required.

PLEASE NOTE:

If your battens are end matched, cut the tongue off the first batten where butting to a wall, or the ends will be visible.

The battens should be installed with a dead blow hammer or white rubber mallet (to avoid marking), starting from the bottom and working your way up. Lightly tap the batten at the clip to **fully engage the connection**, battens should be sitting against the track.

Battens should be joined using the provided batten joiner (see page 23), with the exception of the end battens which should be joined on a clip due to the required travel.

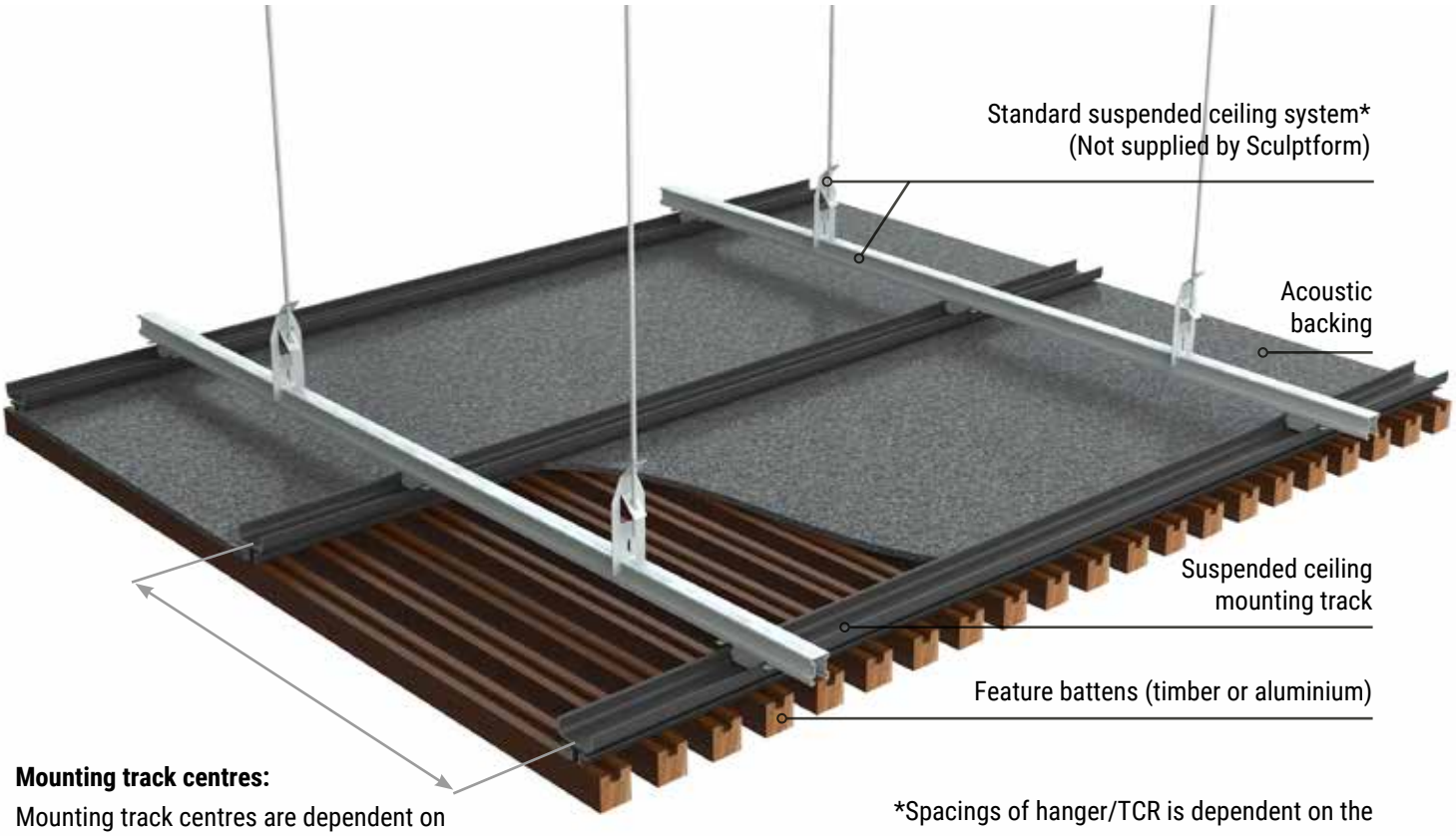
PLEASE NOTE:

Ensure batten joins are staggered randomly and not following a pattern for visual appeal.

If a batten needs to be removed, our removal tool can be used to lever the throat of the mounting track open. See page 30 for full removal and re-install details.

Application

Suspended Ceilings



Mounting track centres:
Mounting track centres are dependent on TCR centres, batten configuration weight, Seismic, and anticipated imposed loads which are project specific. Please consult with your engineer prior to installation, in consultation with our product technical datasheet.

*Spacings of hanger/TCR is dependent on the weight of chosen batten configuration and project specific engineering requirements. We suggest consulting your suspended ceiling system provider for further information.

Suspended Ceiling Mounting Track Specifications

45mm wide x 32mm deep

Aluminium extrusion
Standard 3m lengths
Powder coated matt black

Click-on Battens Install Procedure

Suspended Ceilings

1. Considerations of Set Out

Referring to the architectural reflected ceiling plans, identify any fixed points, edges and penetrations. These need to be taken into consideration when planning the precise ceiling layout so that they can be worked into the batten sequence.

PLEASE NOTE:

In some cases penetrations can be moved slightly to suit and/or detailed to suit. Bear in mind the need for structural compensation which may be necessary for these details. In some scenarios building movement must also be considered at the shop drawing stage of the design.

Work out the point of reference in the space which the battens need to run parallel with, eg. a long wall or bulkhead. This may highlight some inherent inaccuracies within the space if there are walls out of parallel etc. Some measures may have to be taken at this point to overcome this.

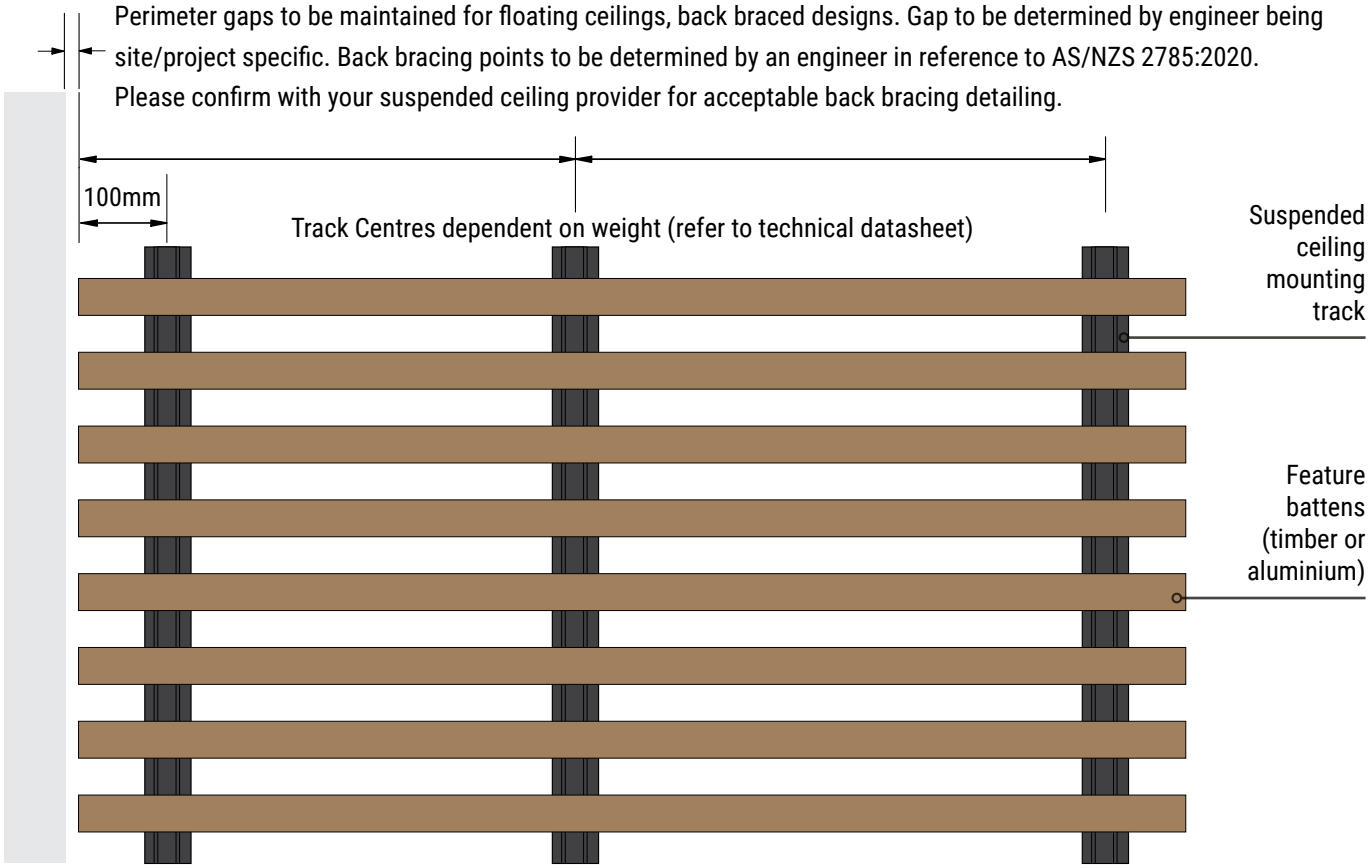
Bearing in mind the parallel reference line, create a datum line (string or laser) to run across all mounting tracks to line up the clips perfectly. (The datum line also needs to line up with the sequence increments running off the fixed point bulkhead).

Considering the edge details for aesthetics, it is recommended to start and finish with an equal space from the last batten. This will need to be taken into consideration on where to start and also how the sequence measurements work in with the width of the room. Refer to page 19 for set out options.

PLEASE NOTE:

If there is a sequence of battens involving multiple profiles, to ensure symmetry, it is recommended to start from the middle and work out. This may require ripping down the edge battens to size.

Work out the set out of where all the mounting tracks will run by sketching on the reflected ceiling plan. Consult the shop drawings as verified by the project engineer in regards to track centres working from one side to the other. See example detail below.

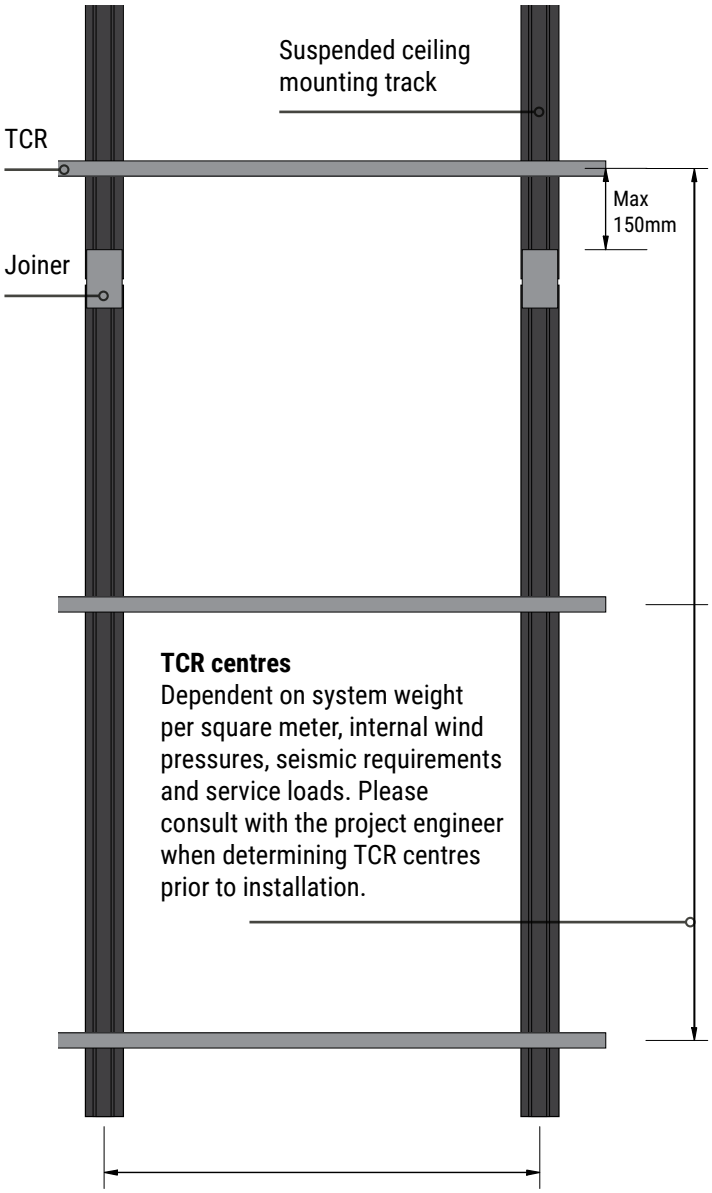


2. Installing Suspension System

Install top cross rails (TCR) from hangers, suitably located perpendicular to where all the ceiling mounting tracks will run.

PLEASE NOTE:

Refer to your suspended ceiling supplier for TCR and hanger spacing based on your specific project requirements. All Sculptform track must have a minimum of three ceiling clip connections to the TCR.



Suspended ceiling track centres as calculated in the shop drawings.

3. Installing Tracks and Battens

Install the ceiling mounting track onto the TCR using the procedure on page 15. Working from one side to the other, line the clips up with the datum line and work in sync with any fixed points. If there is a bulkhead corner profile to be installed, work back from this point.

Mounting Track Centres

The weight of the suspended ceiling elements along with resisting other imposed loads, including seismic loads should all be considered when determining TCR centers. Please consult with your engineer prior to installation and refer to our product technical datasheet.

Install all services and penetration items to level.

Install acoustic backing into the specifically designed grooves in the mounting track. See below.

Install corner profiles as required. Refer to page 24.

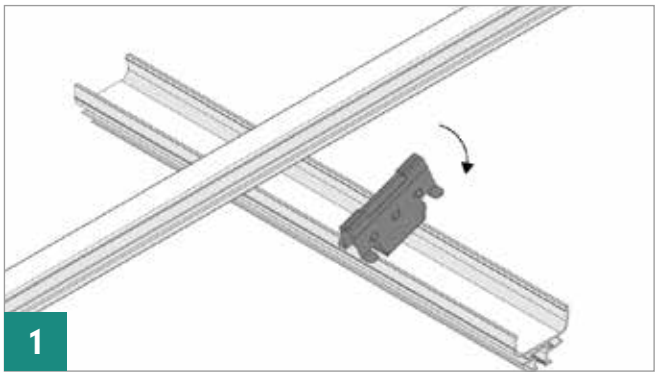
PLEASE NOTE:

If your battens are end matched, cut the tongue off the first batten where butting to a wall, or the ends will be visible.

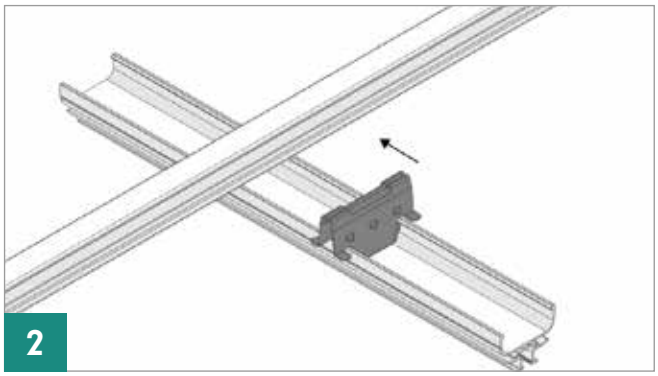
When installing the battens, make sure the clip is aligned with the groove in the centre of the batten. Use a dead blow hommer (or white rubber mallet) to click the battens onto the ceiling mounting track, working from one side to the other, and leaving gaps around penetrations. Battens should be joined using the provided batten joiners (see page 23), with the exception of the end battens which should be joined on a clip due to the required travel. If you can't use the joiner strip due to limited space, then you can join your batten on a clip.

Install access hatches or panels according to details on page 29.

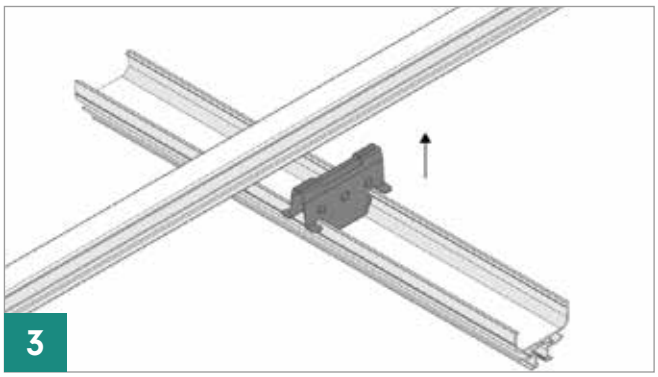
Suspended Ceiling Mounting Track Installation Steps (45x32mm Track – Sculptform TCR Connector Clip)



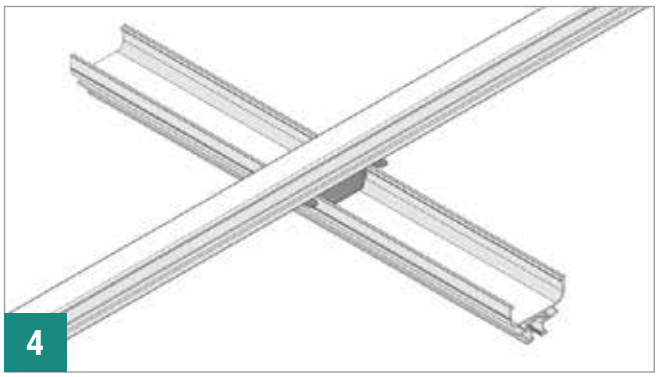
Install the Sculptform TCR (Top Cross Rail) connector clip into the back of the 45x32mm Suspended Ceiling Track.



Snap the TCR connector clip into the mounting track with a rotating action.



Adjust along the length of the track to align with the TCR.

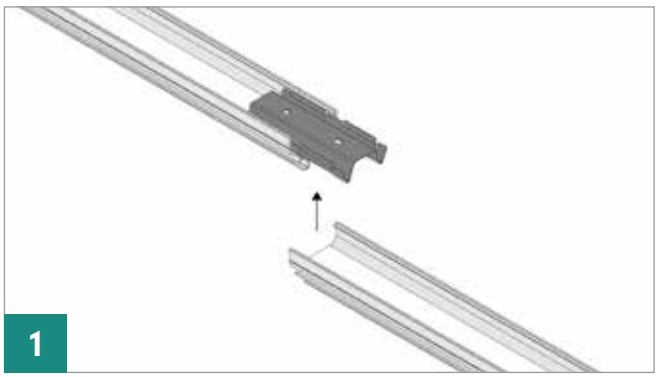


Lift and snap into TCR. Check clip is fully engaged.

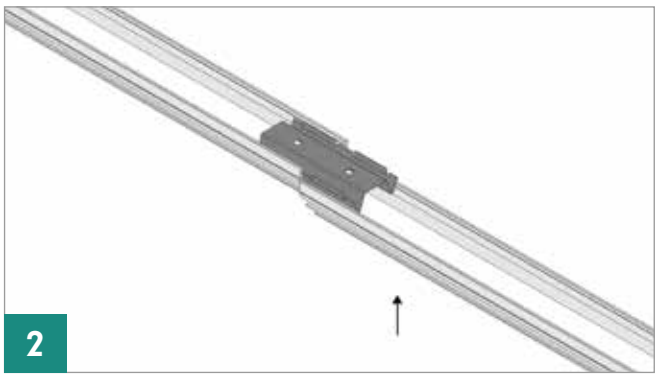
This system is to be used for interior applications only. For exterior applications, or interior applications exposed to exterior wind loads etc, a mechanical fixing is required.

As per AS/NZS 2785:2020 and the NCC, you must not start installing your suspended ceiling until the relevant story of the building is fully enclosed and weather tight.

45x32mm Suspended Ceiling Mounting Track Joiner Installation Steps



Locate the 45x32mm Suspended Ceiling Mounting Track Joiner into the end of a Mounting Track leaving half the length of the joiner protruding. Snap in by pushing down.



Position the track and joiner above the adjacent Track, align the butt joins, then squeeze to snap together.

Seismic Bracing Details

Most installations will require a seismic review by a structural engineer. The review is done in accordance with AS/NZS 2785:2020 and AS 1170.4 (Australia) to determine the size of the actions imposed on the ceiling system and the bracing requirements. The following detailing are informative only to assist in the shop drawing stage.

The details around four common seismic bracing designs used in Australia are outlined in AS/NZS 2785:2020 along with the limitations of use of each design type.

In AS/NZS 2785:2020, the responsibilities around the overall design of the combine systems is defined as being either:

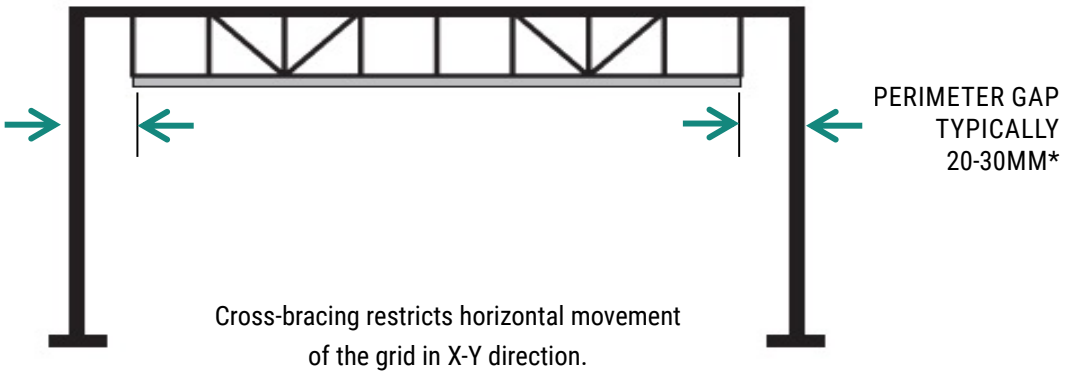
(i) the installer (clause 1.3.14), or

(ii) the "Lead Designer" which may be the architect, interior designer, or engineer (clause 1.3.24).

Details around design responsibilities will be contained within the contract. Unless contracted to do so, Sculptform does not design and engineer the overall combined system, not supply the components of supporting framing systems such as TCR's, screws and back bracing studs and struts. Please consult with your structural engineer prior to finalizing the design and installation. Note that the type of restraint system used may affect other components of the design, such as creating a horizontal load path into the wall.

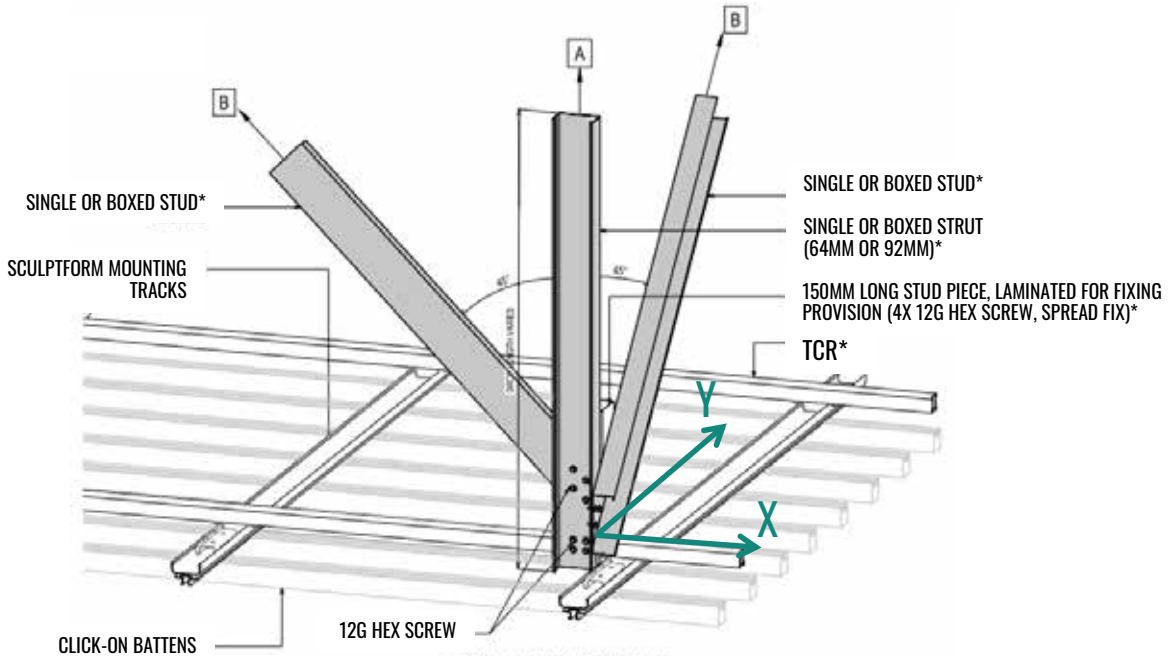
The most common bracing configuration used is floating/free with a perimeter gap and back bracing.

Below is a simplified illustration of the design:



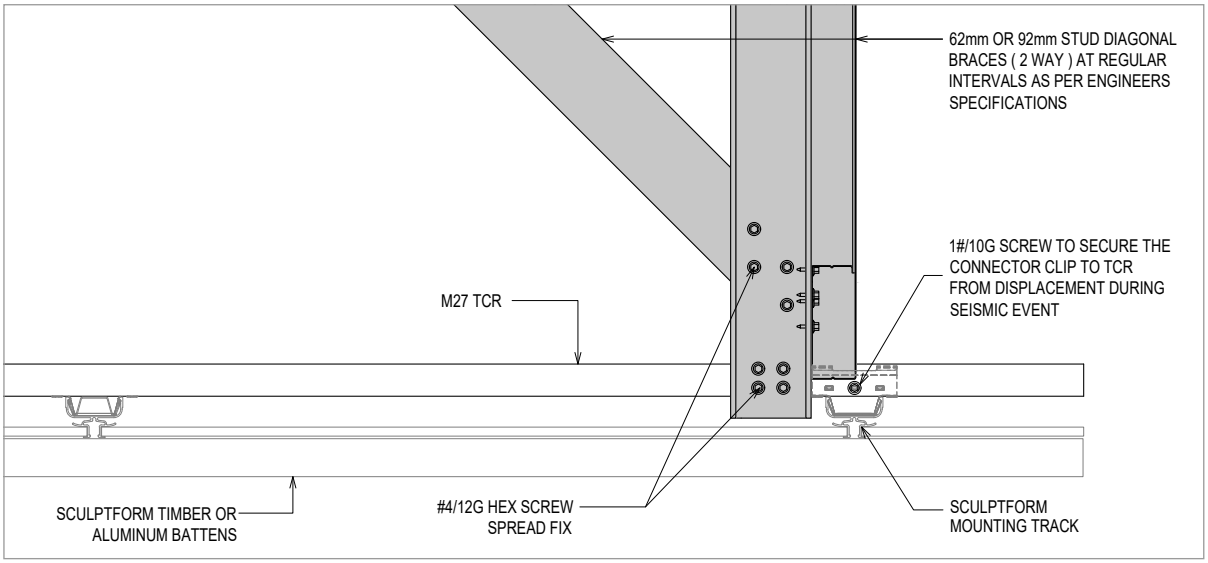
Cross-bracing restricts horizontal movement of the grid in X-Y direction.

Example of 2 way stud diagonal bracing.

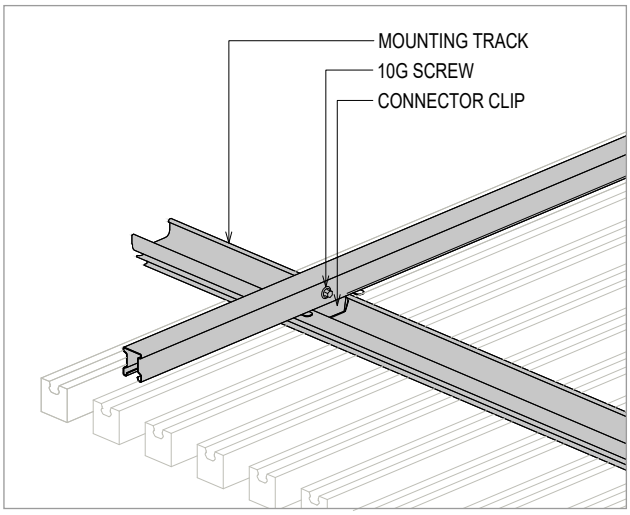


**Boxed studs, struts, TCR's and hex screws not supplied by Sculptform.*

Example of typical section view of a seismic brace strut and diagonal stud braces.



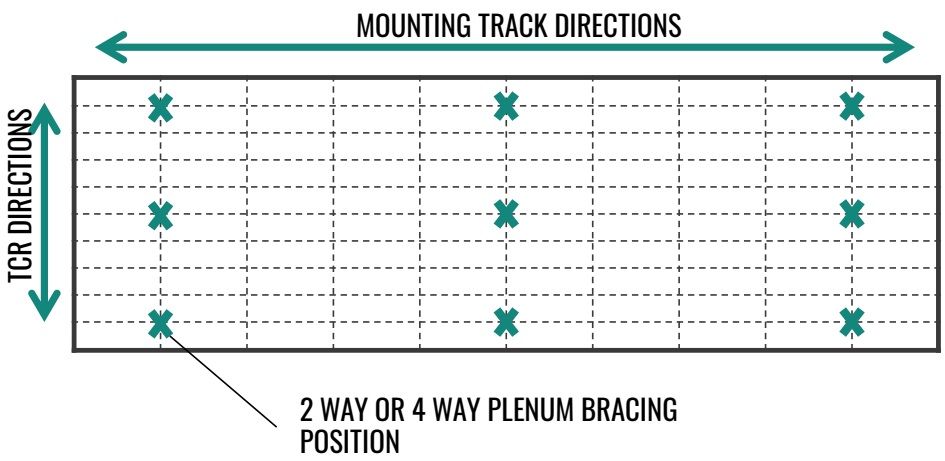
Example of typical section view of a seismic brace showing screw fixing detail.



The positions of each cross brace from the dropper stud to be determined by an engineer, accommodating for penetrations and services.

The weight of the ceiling and the depth of the plenum effect the number of cross-bracings required. Please speak with your engineer to verify the shop drawing prior to installing.

Example of plenum bracing layout.

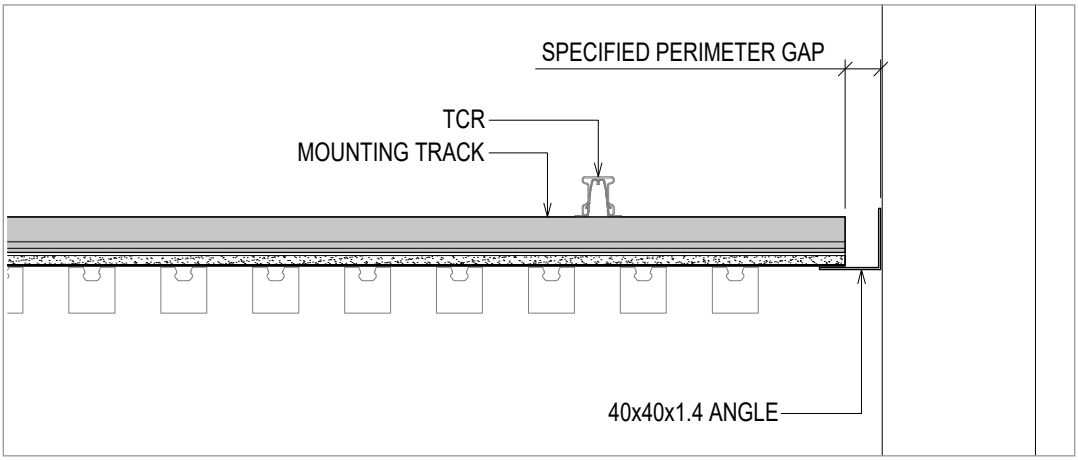


Perimeter Gaps

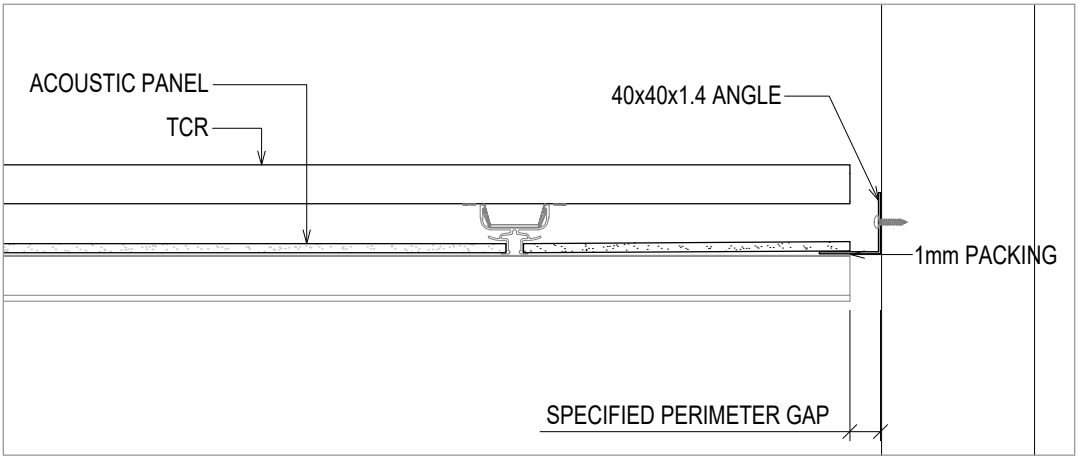
Typically, a perimeter gap of 20mm – 30mm is used, but must be determined by the structural engineer assigned to the project.

One option to cover the perimeter gap, is to use extruded Aluminium angles.

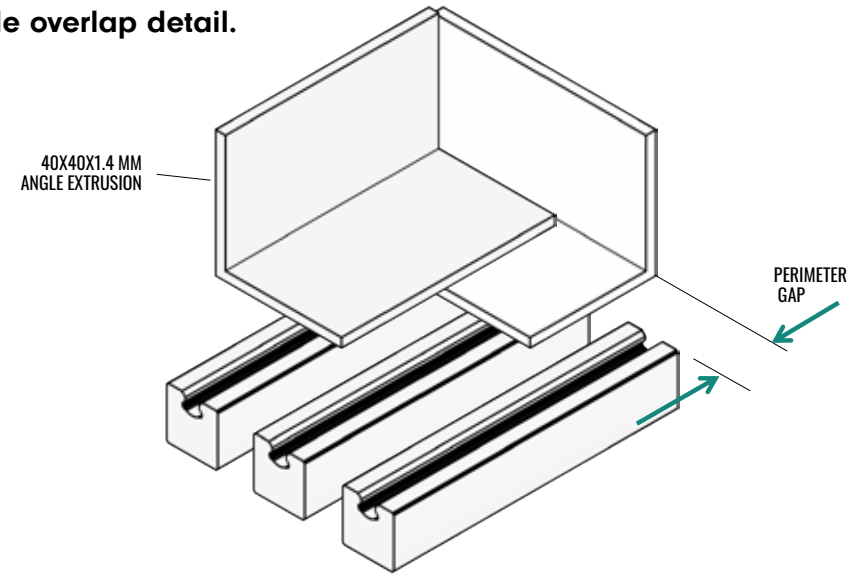
Example of perimeter section view: Mounting track direction.



Example of perimeter section view: TCR direction.

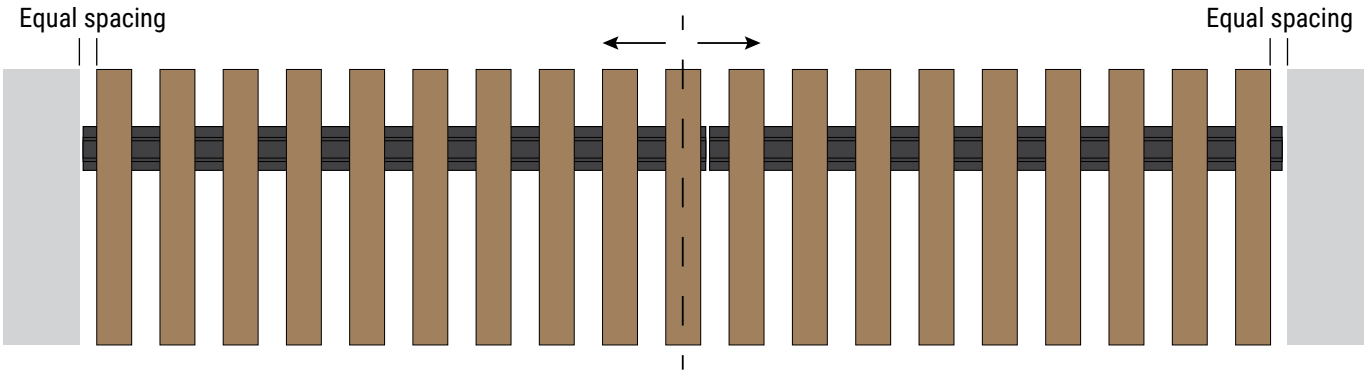


Example of angle overlap detail.



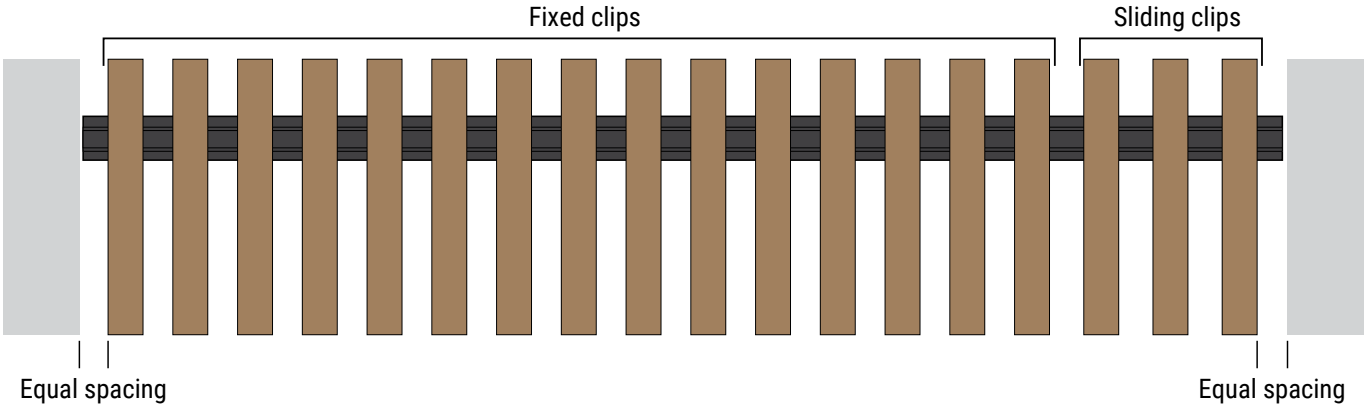
Note that the 40x40x1.4 angle extrusions are available from Sculptform but are not included in the quotation or Bill Of Quantities as a default, unless requested by the customer, based on their seismic design.

Set Out Options



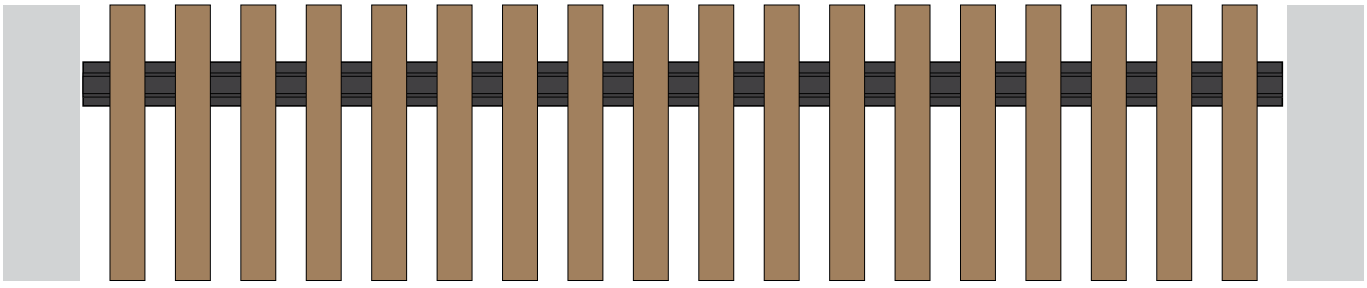
Centre Track to Room Dimensions

Mounting tracks are provided at standard lengths, approx 3m. To maintain equal spacing at either end of the ceiling or wall, measure out and cut the mounting track to suit on-site, starting from the centre and working your way out.



Batten Creeping with Sliding Clip

Sliding clips can be used to manually adjust (fudge) the batten spacing to fit your wall dimensions. This is achieved by removing the last 3-5 clips and replacing them with sliding clips (available on request). These sliding clips allow for 'fudging' and can be manually crept forward or back to maintain the equal space at each end.

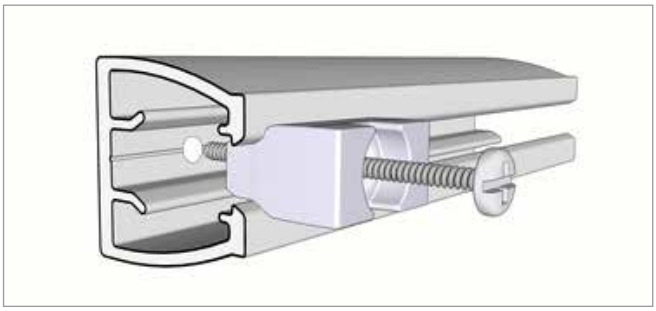


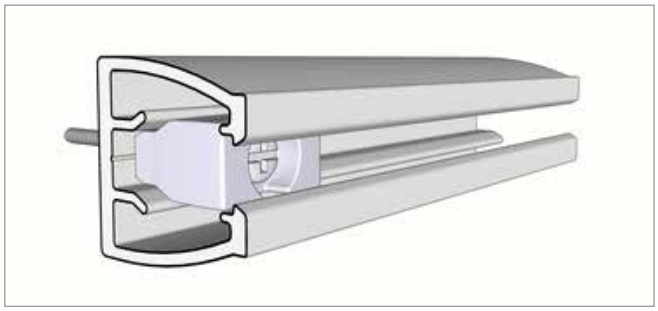
Mounting Track Calibrated to Exact Spacing

Sculptform can deliver tracks which are calibrated to the exact requirements of your project. This eliminates the need for onsite adjustments to the mounting track set out. Additional fees apply for this service.

Click-on Batten Details

Fixing Details for Slim Track 25x25mm



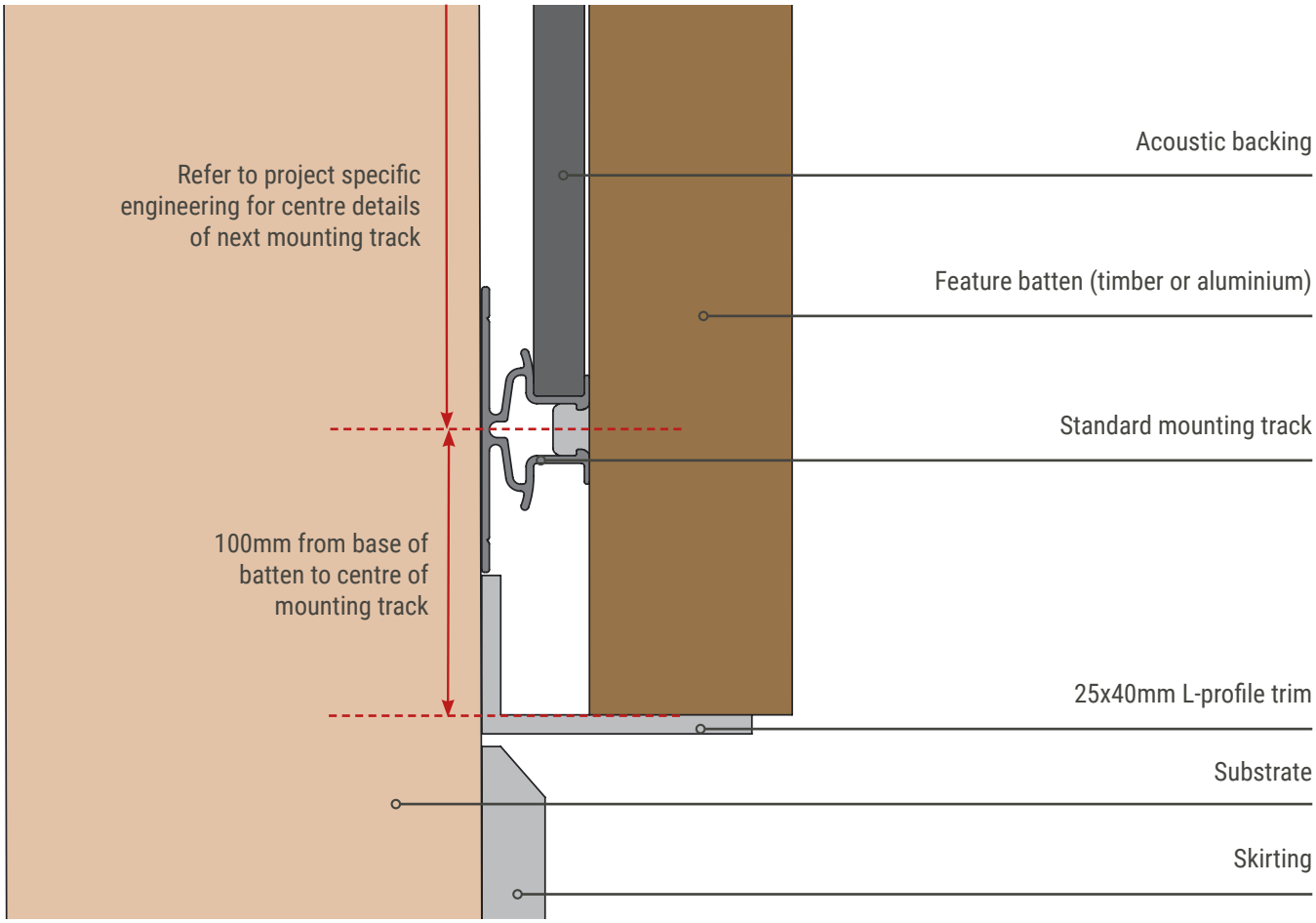


1. Pre drill hole in the base of the track
2. Insert the fixing wedge into the throat of the track.
3. Position the screw in the fixing wedge and fasten. The screw will pull the wedge into the track profile.

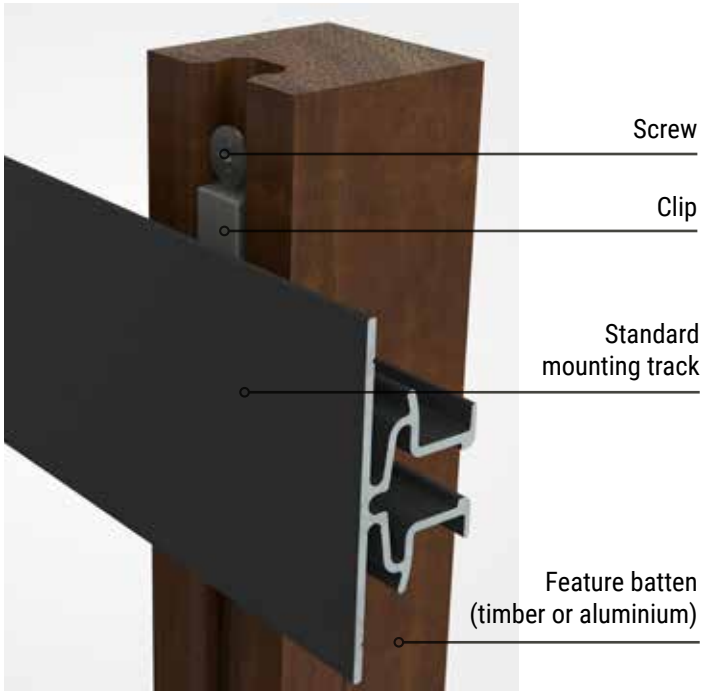
Fixing spec: the fixing wedge is designed for a 10g pan head screw (not supplied). We recommend at least a 50mm long screw to ensure it can pull the wedge through into the profile. It may be required that you tap the wedge into the track before inserting the screw. Note that the length of the screw is also dependent on the substrate type.

Anti-slip Detail - L-profile Trim

The L-profile trim is used as an anti-slip mechanism for vertical batten applications. Typically fixed at the bottom of the battens, the L-profile trim also helps with alignment of battens. For alternative anti-slip detail see page 21.



Alternative Anti-slip Detail

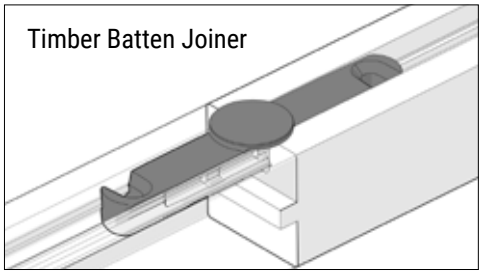


Where the L-profile trim is not being used, it is recommended that a small screw be inserted into the back of the batten to serve as an anti-slip measure. On installation, hold the batten in place so the screw is resting on the bottom clip, then engage the batten from bottom to top, (refer to install procedure on page 11). Can be used for both timber and aluminium.

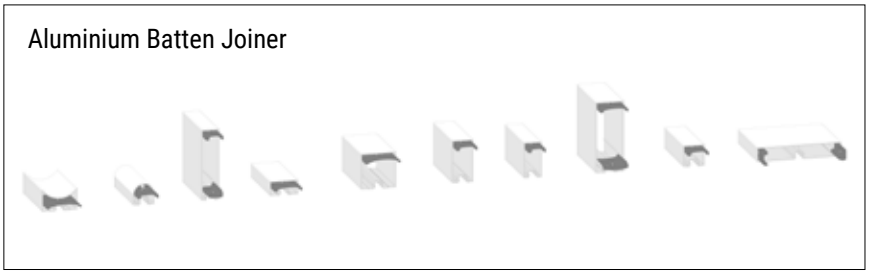
Batten Joiners

Joiners are provided for both aluminium battens and end-matched timber battens. Used to align the ends of battens when needed. The joiner slides into each batten and clicks in place.

Timber Batten Joiner



Aluminium Batten Joiner

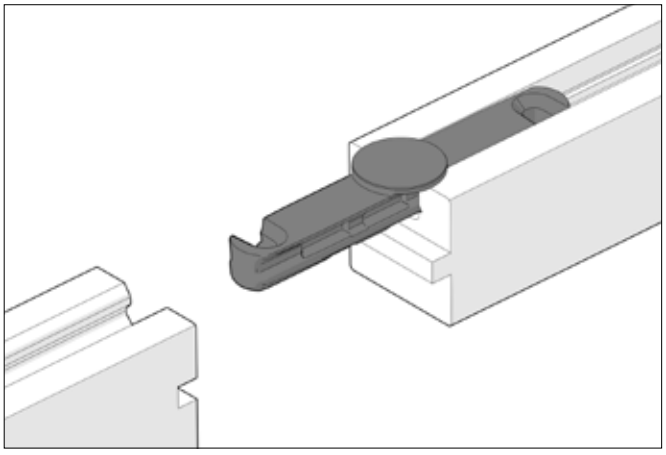


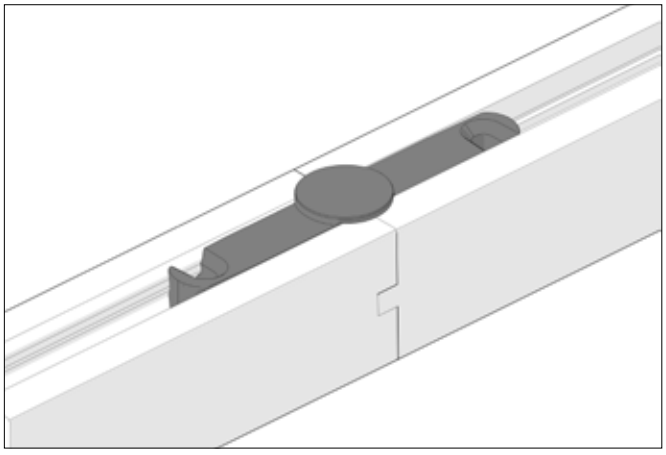
End Matching - Timber

End matching is a small tongue and groove profile on the ends of the battens. When engaged, these profiles help to maintain batten alignment at the butt joins when joined with our batten joiner (see below).

PLEASE NOTE:

If your battens are end matched, cut the tongue off the first batten where butting to a wall, or the ends will be visible.





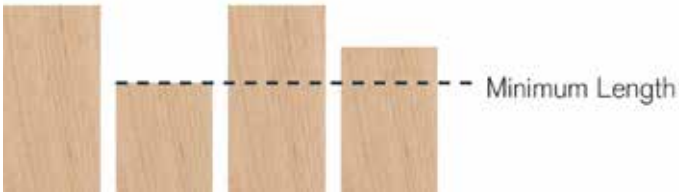
Batten Length Options

Timber battens can be supplied in a range of length options to suit on-site needs.

Random lengths

Battens supplied at random length with a minimum length of 1.2m. Battens are supplied endmatched and our Batten Joiner is used to join ends together. See page 23.

Must span over a minimum of two clips



Set lengths

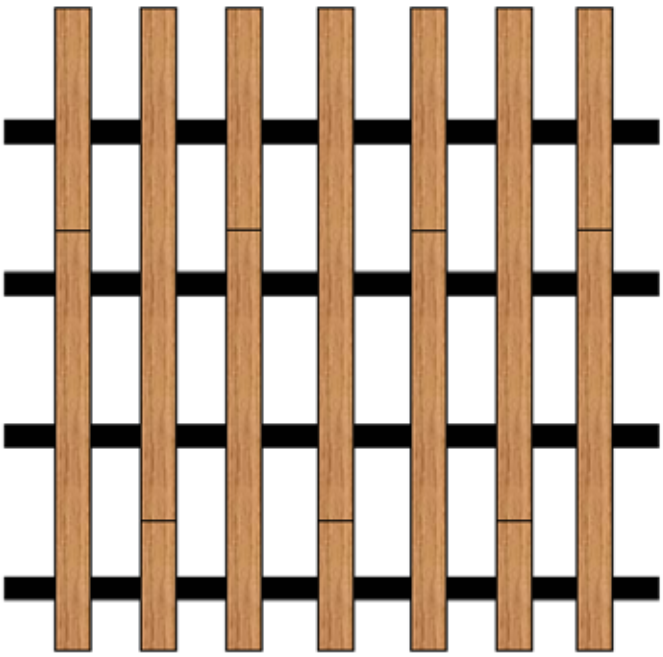
Used where a quantity of the same lengths are required. Set lengths are between 1.2m and 3.6m and are always supplied slightly over length to allow for onsite trimming.

Exact length

Same as the 'Set Length' option, but with trimming to an accuracy of ±1mm.

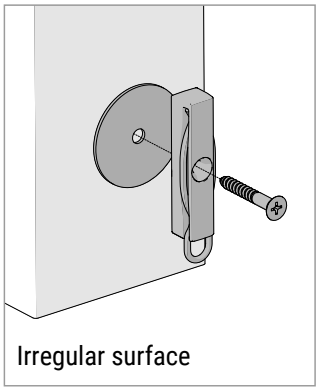
Staggered Joins

Staggering the joins in the aluminium battens can lessen the disruption to the aesthetic, making it a perfect option for a 'seamless' look and make it look more like natural timber.

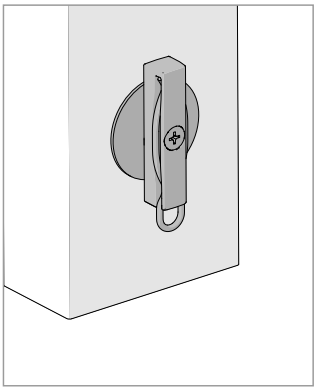


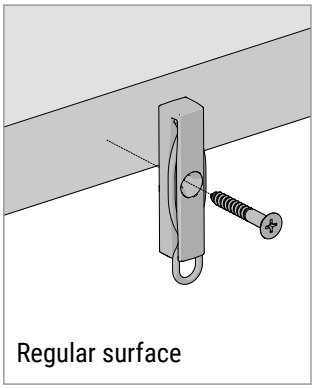
Clip Installation Details

Direct Fix Clip

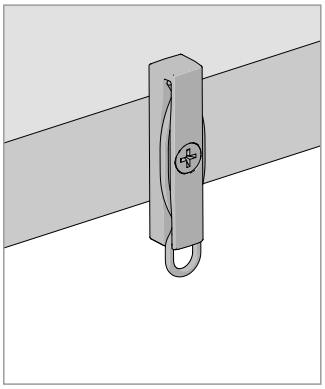


Irregular surface





Regular surface



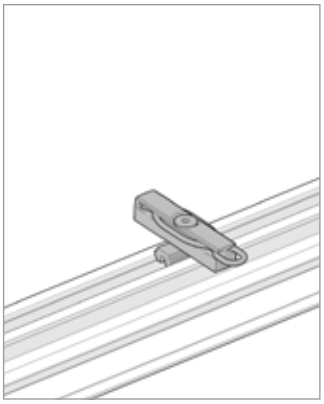
Ensure that the substrate is straight and plumb when installing direct fix clips. For **irregular surfaces**, insert a minimum 20mm washer between the clip and substrate to create a flat base. Additional packing material may be necessary for proper alignment. **Screw spec - 8g Countersunk Screw.**

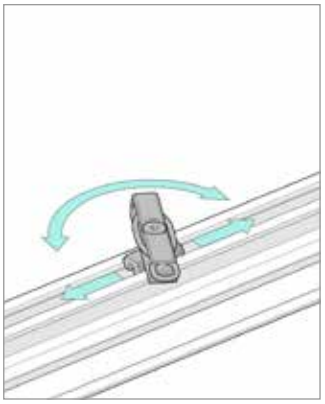
In environments prone to corrosion, opt for stainless steel washers and take precautions against galvanic corrosion.

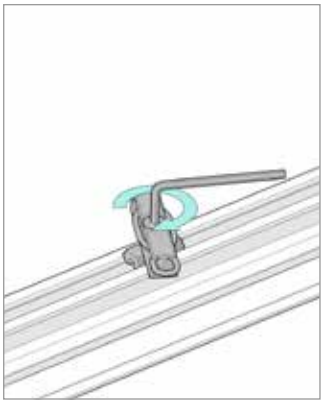
Note that the use of washers reduces the clip base area, so consider the moment forces of 22mm (timber) or 25mm (aluminium) battens during design checks.

Align the clips using a datum line, such as a string or laser, for accuracy. For **regular surfaces** like machined ply forms or plasterboard, washers may not be needed; simply attach the clip directly into the ply or studs.

Sliding Clip

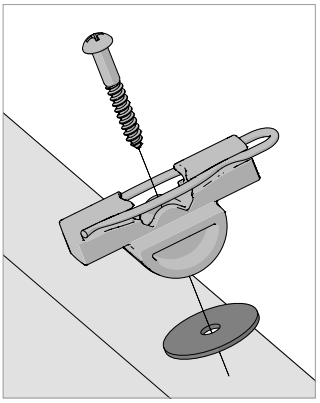


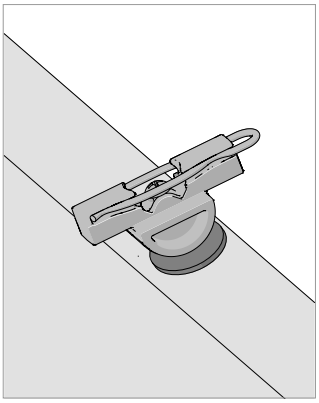




When using the swivel clip, take into account the angles of the battens. Align the clips diagonally using a laser or string, then proceed to secure them before installation.

See Saw Clip





While versatile, the See Saw clip requires careful planning. Initially, loosely attach the See Saw clip to the ply form. Align the clips accurately using a laser or string to determine batten placement before tightening the screws to secure them in place.

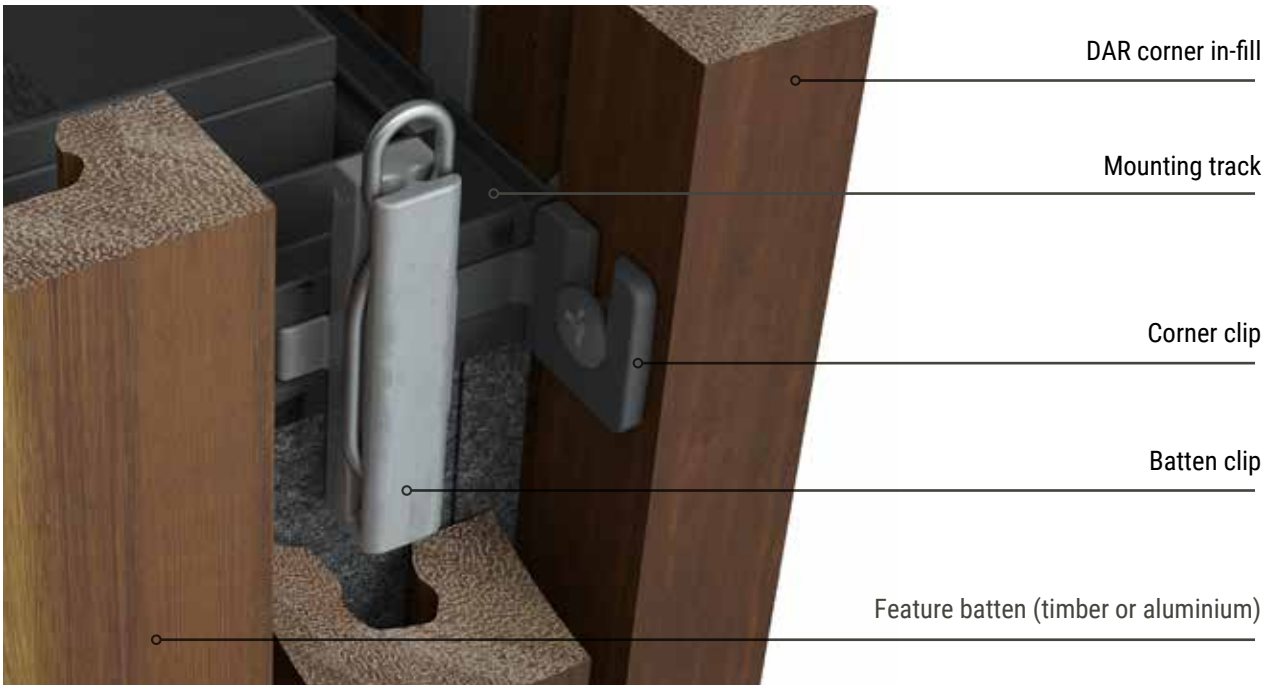
Screw spec - 8g Pan Head Screw

External Corners and In-fills

For wrap around external corners, Click-on Battens offers a dedicated corner clip which simply clicks into a mitred mounting track corner.

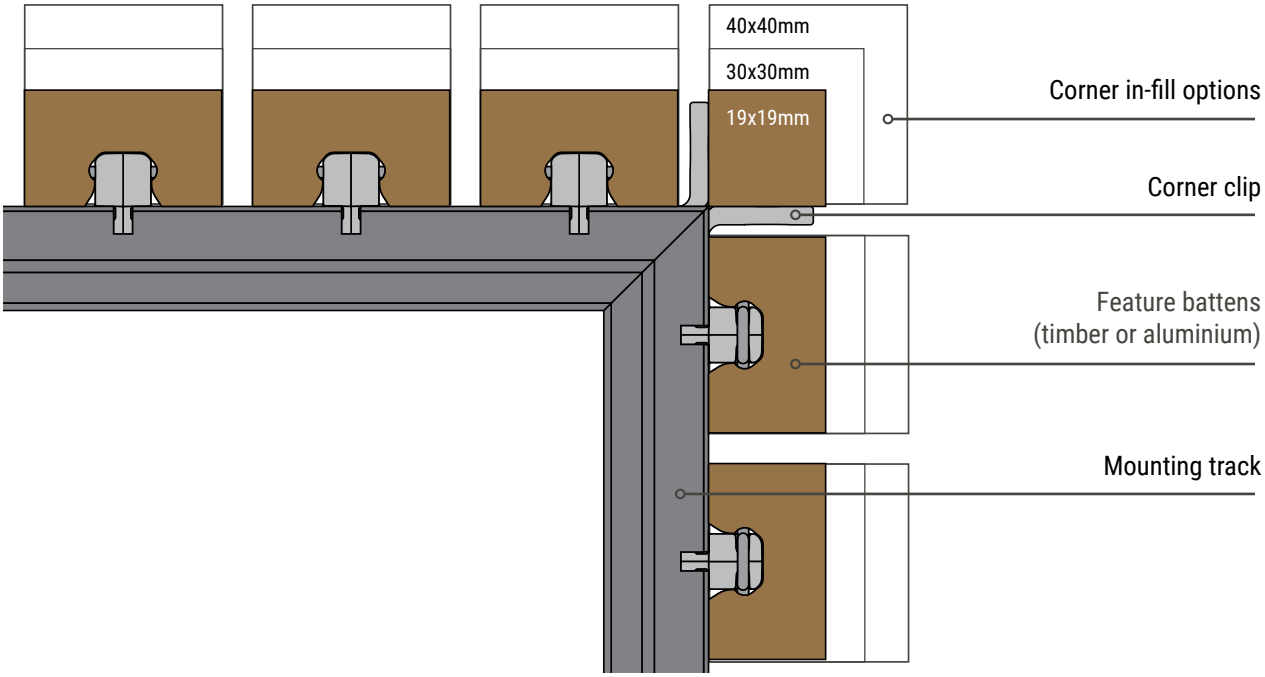
To install an external corner:

1. Mitre the mounting track ends to 90 degrees.
2. After installing your mitred track, install corner clip in place. The clip uses a simple push-fit connection into the track, and both sides must be engaged simultaneously. Use a square scrap of timber as a temporary corner infill then use a mallet to engage. This method prevents the two 90-degree lugs from bending.
3. The DAR corner batten is screw fixed first through the corner clip, followed by the installation of the Click-on Battens.



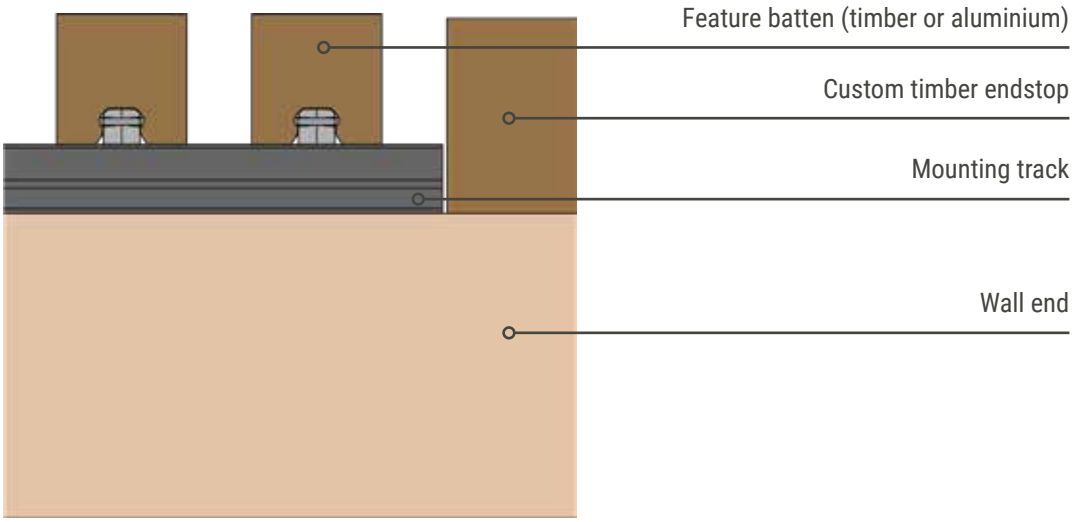
In-fill Sizes

We offer a range of infill sizes to suit different batten profiles in both timber and aluminium. For a detailed list of which infill size is most appropriate for your project, see the technical data pages on our website.



End Junction Options

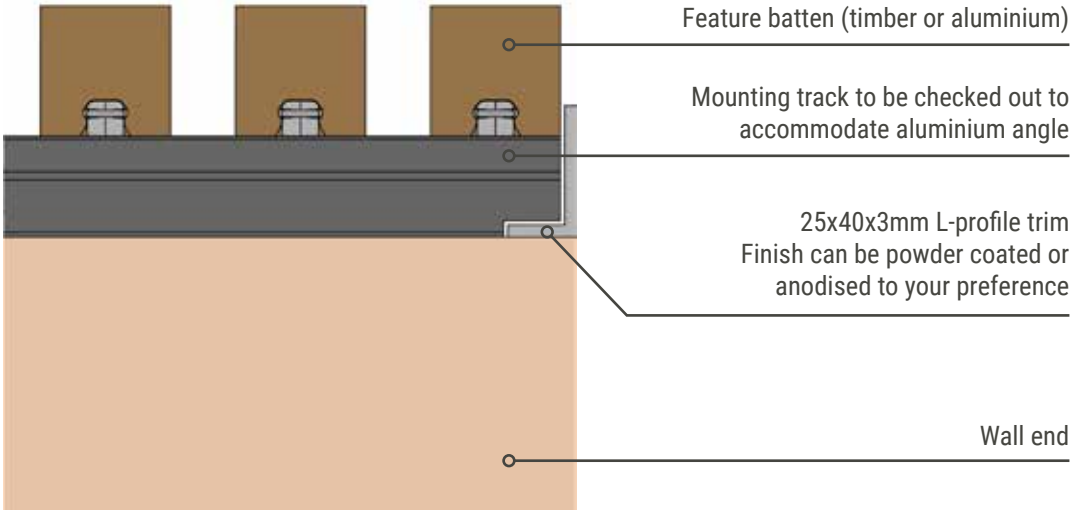
In most applications of Click-on Battens, installers are faced with a junction; Usually a corner, or coming up to a window or door. Below are two methods of installation.



DAR Endstop

The square-dressed timber method uses a project specific profile of square-dressed timber to cover the mounting track fixings.

1. Face-fix the square-dressed timber to the substrate, flush with the adjoining surface.
2. Work away from the junction, ensuring the battens maintain sequence.

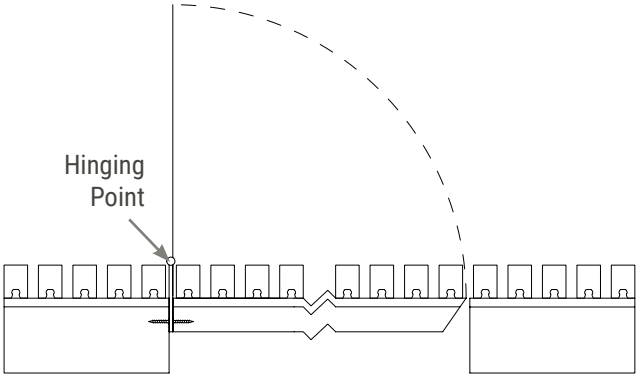


Angle Bracket

1. Screw L-profile to substrate, flush with the adjoining surface.
2. Then work away from the junction, ensuring the battens meet the L-profile.

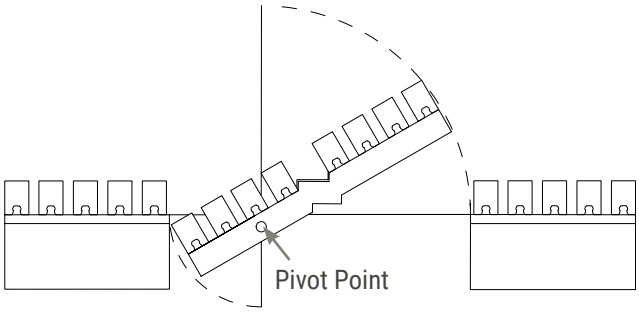
Door Systems

Hinged Door



1. Establish where the door is going to be located, taking into consideration any penetrations and the sequence of the battens.
2. Install door as per standard installation procedures, ensuring the pivot point of the hinge is located proud of the face of the battens.

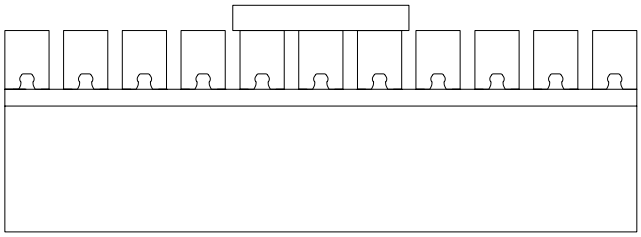
Pivot Door



1. Establish where the door is going to be located, taking into consideration any penetrations and the sequence of the battens.
2. Install door as per standard installation procedures for pivot doors.
3. Ensure the pivot point is located correctly taking into consideration the clearance of the battens.

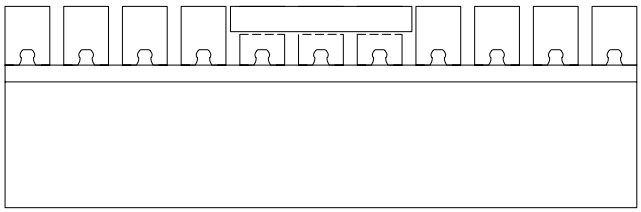
Wall Penetrations

Flush to Back



1. Penetration - locate an exact area where the penetration will be located.
2. Ensure this works in with the batten sequence, and with any other pre-run wires etc. within the substrate.
3. Install penetration as per industry standard.

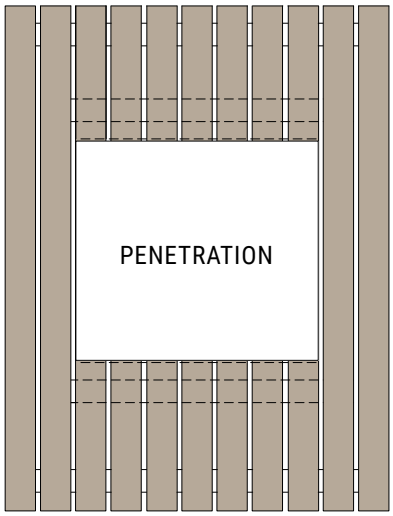
Flush to Face



1. Measure depth of penetration
2. Using a router, router out the chosen section of the wall.
3. Ensure the penetration works with the batten sequence.
4. Adapt any other battens that require modification.
5. Install penetration as per industry standard.

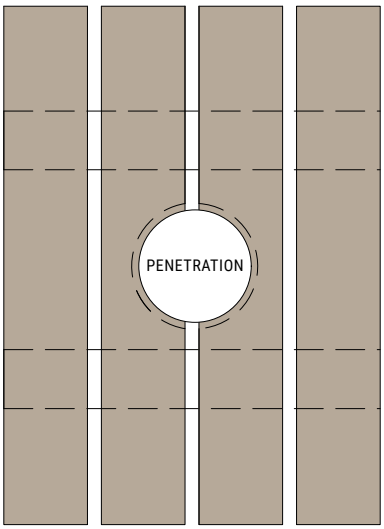
Ceiling Penetrations

Square Penetrations



1. Mark out where your ceiling penetrations will be located (considering the batten sequence).
2. Cut the batten to length around the penetrations.
3. Install cut battens around penetrations. At this point an additional length of mounting track may need to be installed to support the cut batten. The L-profile trim can be used to cover cut ends of battens if applicable.
4. Locate or install penetration.

Round Penetrations



A cylindrical penetration would be installed in a very similar manner to the square penetration (shown above). The size of the penetration would determine whether additional mounting track would be necessary.

Custom detail around penetrations: email us CAD of your preferred light/register/sprinkler and we can custom detail around this.

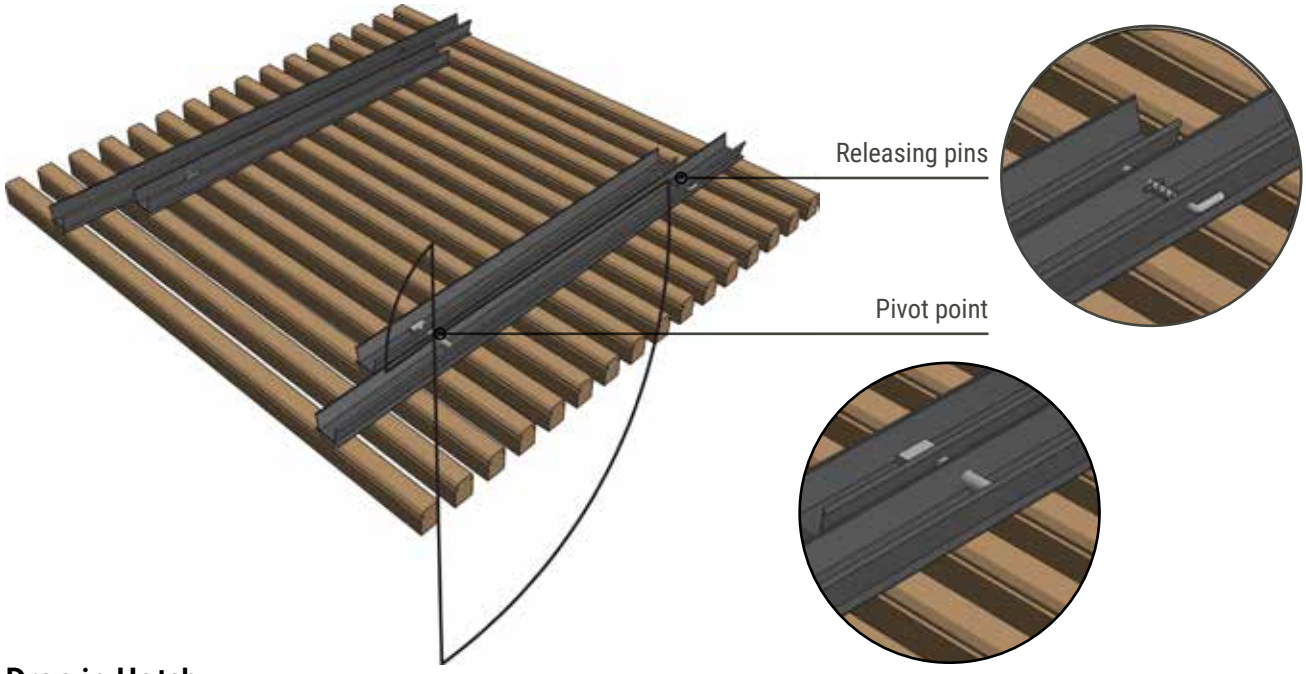
Access Panels

Our system allows several options when dealing with access requirements. These methods are similar for both timber and aluminium battens. Battens are usually cut on site to ensure the required panel dimensions. Timber and aluminium battens require different cutting techniques and it is important to use the correct equipment and blades.

Pivot Hatch

Pivot hatches are supplied as a kit and assembled on site. Please consider the following:

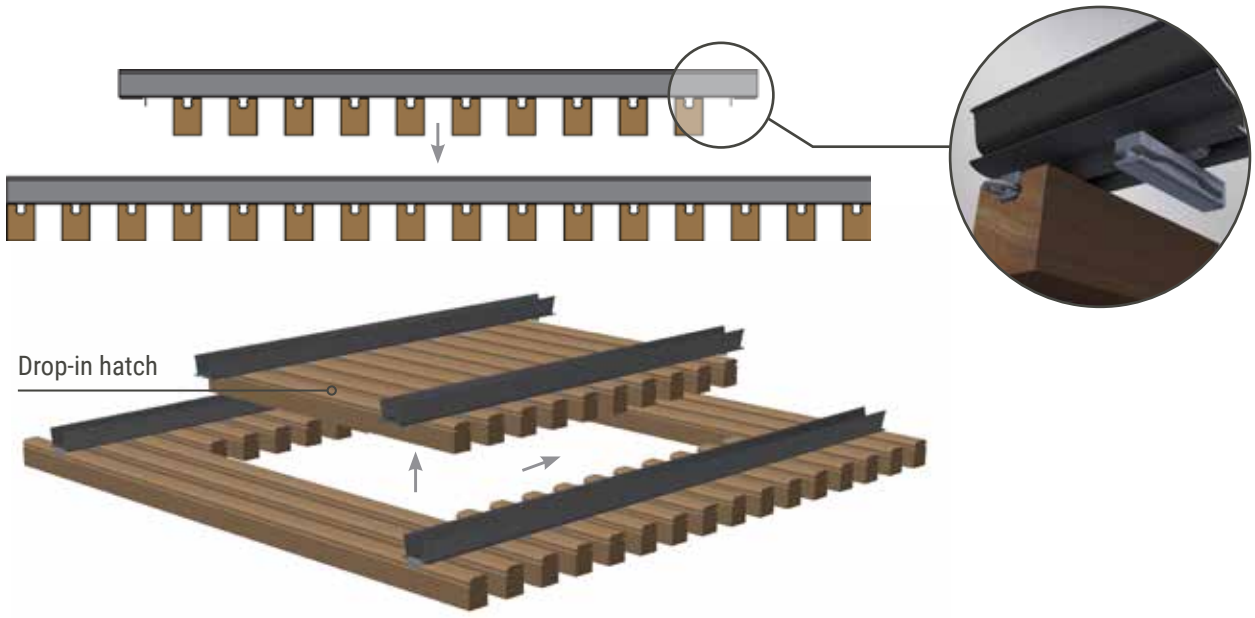
- Clearance is required for upward movement. Allow 200mm clearance above the panel.
- Typically 1-3mm gap in the batten ends, with available length options of 600mm and 1200mm.
- Battens can be cut to any width on site up to 1200mm. Beyond 1200mm, consult Sculptform directly.



Drop-in Hatch

The drop-in hatch is the simplest solution to providing access.

- This hatch type is built on site at the locations required and can be built any size up to 1200x1200mm.
- The stainless spring is removed on the last clip on the mounting track as shown below.



Batten Replacement and Removability

A feature of the Click-on Batten system is the ability to quickly and easily remove any batten on a wall or ceiling using a specially designed tool provided by Sculptform. The batten removability feature is designed to be used to replace damaged battens or to allow emergency access behind the battens – if access is required on a regular basis, Sculptform recommends our access hatch solution on page 29.

PLEASE NOTE:

If batten removability is a requirement of your project, please consider the following.

- Battens can only be removed on sequences which have at least 5mm spacing between battens.
- The removal tool is designed to apply pressure to the inside of the track and will not leave any visible marks

Batten Removal Process

To remove battens and allow access to the area behind the wall or ceiling, follow the below instructions.

1. Insert removal tool tips into the throat of the mounting track, as close as possible to the batten which is to be removed. For wider battens (>50mm) a second removal tool on the opposite side will be required to allow the batten to be removed easily.
2. Squeeze the removal tool until the **first click** locks it into place. This opens the throat enough to remove the clip without damaging the track. The clip remains engaged with the batten, both will come away from the track together.
3. Pull the batten to disengage it from the track. Once the batten is removed, disengage the removal tool to allow the track to return to its original shape. If the batten remains connected, squeeze the removal tool until the second click. This opens the throat further, however it may damage the track. If this happens, pliers can be used to bend it back into position.
4. Continue working along the batten from one end to the other, disengaging and removing each clip.

Re-installing Battens

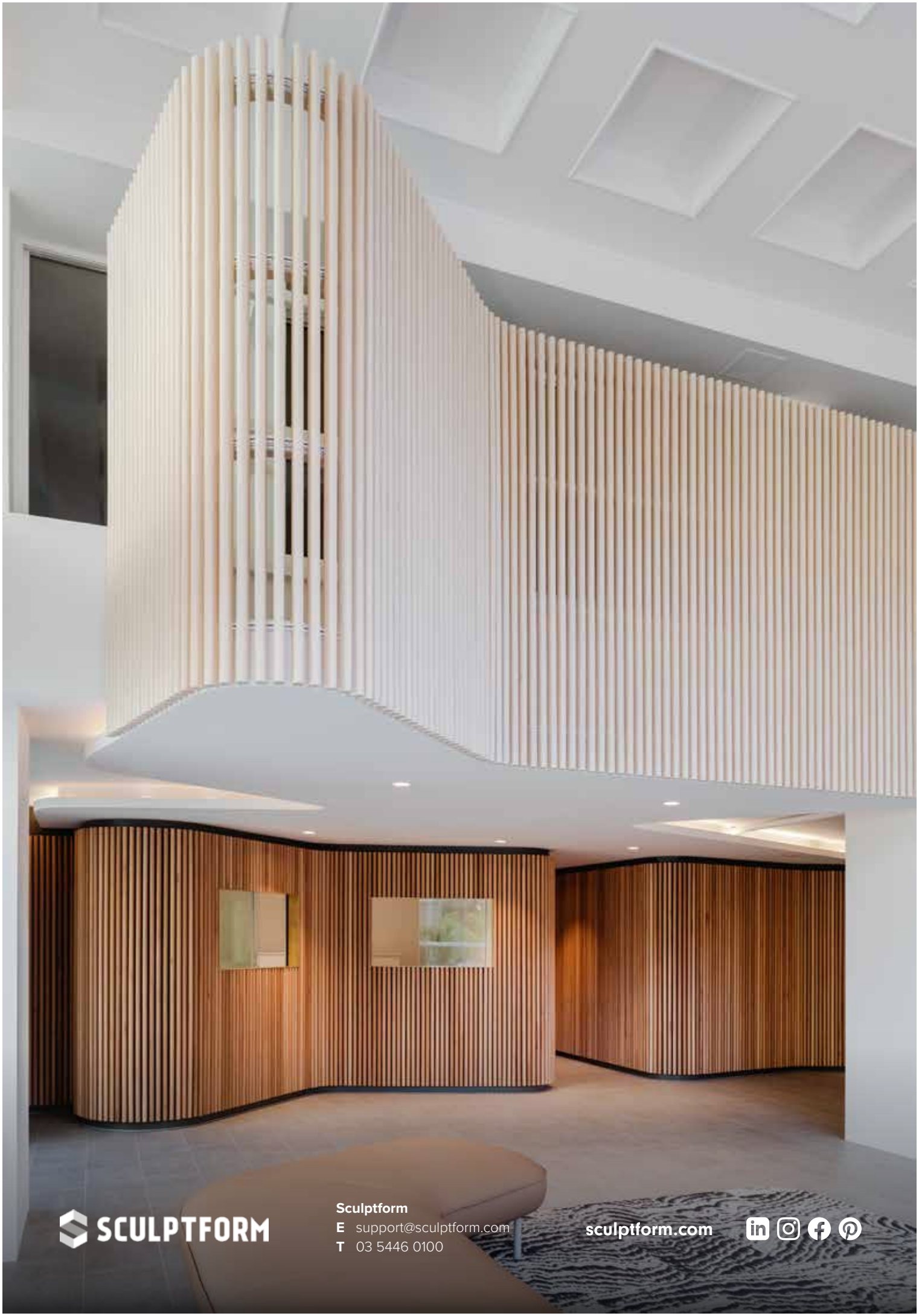
Follow these instructions to reinstall battens.

If using existing battens (clips already engaged)

1. Check that track isn't damaged from the removal process.
1. Line up the clip in the back of the batten with the existing notch in the track. Firmly press the clip into the existing notch on the track. A mallet may be required. This will engage the clip with the track and hold the batten in place.

If using a new batten (no clips attached)

1. Insert the clip into the notch in the track first, a mallet can be used to gently tap it into place. A loud click is an indicator of the clip being engaged.
2. Once the clip is in place, install the batten following the usual procedure outlined on page 11 for walls or page 13 for suspended ceilings.



SCULPTFORM

Sculptform
E support@sculptform.com
T 03 5446 0100

sculptform.com