

# 400 & 560mm Planter Boxes

For sturdy, long lasting, precision engineered planter boxes to fit any space

Do you know what size and shape planter box you need for your project? Let's make this decision easier for you here!

Our planter boxes can be...



SQUARE

OR



RECTANGULAR

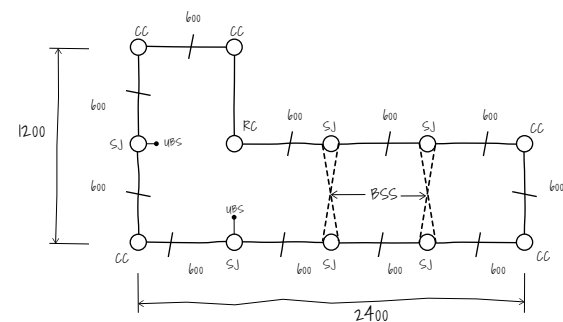
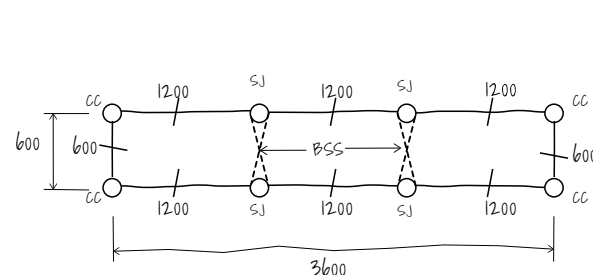
OR



CUSTOM DESIGN



Going big, or like a custom shape? Simply sketch a plan and order ...



... while choosing from our 400mm or 560mm tall options

## How to choose between the 400mm and 560mm planter box?

This choice is all about look and use and thinking ahead. A planter box can improve accessibility and offer protection for the plants it contains; and the 400mm may be tall enough to achieve that. It can also stand out and add presence, so if you're seeking something eye catching the 560mm may be your best choice. If it's nestled within a garden, plant to complement the planter box and consider how high any surrounding plants will grow. A planter box can also bring plants closer to your living spaces, in which case, any height will do, just pick your favourite!

Our planter boxes come with a few benefits worth noting...

- Something I can do myself with no need for professional help ✓
- A super high-quality planter box that's stylish and strong ✓
- Different size and configuration choices so I can order one to fit my space beautifully ✓
- Remove the stress and cost of transporting premade planters - they come flatpacked ✓
- Easier access to difficult sites, just walk in the panels ✓
- A Planter box with precision engineered join seams - no welding marks or visible bolts ✓
- Something with a square shaped top edge making it appear boxy while adding strength ✓
- A planter box with smooth rounded edges for safety and enhanced ergonomics ✓
- A planter box with secure lockdown capabilities ✓

How about this!? You might choose to position different height planter boxes near to each other for added design interest!

## Product overview

### ROUNDED TOPS AND SAFETY FEATURES

The smooth, rounded tops and edges assist safe handling. When installed, all joins/fixings are internal so that the exposed top and front present as a smooth top edge and continuous fascia.

### SAFER AND CLEANER HANDLING

We recommend wearing gloves as the manufacturing process can leave residual oils/dust and our products can get hot when exposed to sunlight. Our products are shipped in bundles, when lifting bundles handlers should be mindful of their carrying capabilities. Single items are easy to carry for one person (see product weights).

### ABOUT WEATHERING STEEL

The manufacturing process of weathering steel leaves the surface in a dark, almost black state. This dark 'finish' is an oxide layer that forms during the hot rolling process. The weathering process needs to break this layer down first before the desired protective patina layer can be established. You can expect some inconsistency in the patina formation because the thickness of the oxide layer varies; it'll appear spotty with some areas going orange and others still black.

The patina develops naturally with periods of wet and dry, and both phases are key for its steady formation. Do not wet continually without allowing time for thorough drying. A faster patina formation can be aided by cleaning the surface with soapy water to remove oil residue, but anything harsher is not advised as it can be detrimental to patina development and consequently, reduce product lifespan. Some rust solution products are safe to use as these 'build a surface patina' rather than just accelerating rusting.

### WHAT IS A PATINA

Patina is not the same as rust. All rust is patina, but not all patina is rust. Patina is a chemical bond between various elements and usually oxygen. It can be found on most metals with the exception of 8 inert (noble) metals like gold or silver. 'Normal' rust is iron-oxide, the patina referred to above is mostly a bond between copper, phosphorus, chromium, nickel, iron and oxygen. You may wonder, how does water feature in it? Water acts as an electrolyte, but

that's a different story. In the end, the patina formed on weathering steel is a dense layer that doesn't flake or allow oxygen through. Therefore, once formed, the oxidation process slows down dramatically.

### WILL THE STEEL STAIN MY PAVERS OR DECK?

This can occur in the early stages of rusting but can be avoided with care, such as by protecting nearby surfaces while the patina establishes. The worst cases of this you will see involves mild steel because the rusting carries on unabated. With weathering steel this should only happen when first developing a patina or if rushed artificially (sped up with acids/salts) to achieve faster colour change. What you can do as an excellent strategy is pre-rust the edging before installing to have a stable early phase patina there already. This doesn't need to take long if you procure a rust solution recommended for steady patina formation.

### GUARANTEE AND LIFESPAN

You can find our product guarantee on our website homepage. Along with that you will find information on product care and longevity guidance. For warranty information and claims, check the website home page link or reach out to us directly.

### PAINTING, SEALING AND POWDERCOATING

Our galvanised products are suited to painting, but the surface should be thoroughly prepared (using acetone wash), and sealed with a metal primer (etch primer is very good) to maximise topcoat adhesion.

Powdercoating is a much more durable/hardy choice, and can be requested for large projects with lead times/costings supplied. It is worth noting that not all powdercoating performs the same, we use and recommend Interpon powder from AkzoNobel for assured quality and maximum endurance and suggest you request the same. It's also worth asking first to see a sample from your chosen powdercoater specialist. Note that, as for painting, galvanised products should be used whenever powdercoating.

Another question we get relates to freezing the colour (or patina development) at a certain stage. That's possible using a transparent sealant suitable for steel. Keep in mind that the colour will change when applying a sealant, it'll get a 'wet' look. Be sure to test this in a small inconspicuous area first before fully committing. This will require reapplication once a year.

### CAN I LOCKDOWN THE PLANTER BOX TO THE GROUND?

You may choose to lockdown the planter in its final position. The foot has 9mm holes in it to allow use of fixing spikes (for penetrable ground) or bolts when on a hard surface. In that latter case, ensure adequate drainage (packers are one option) to be sure the planter is not left sitting in pooled water at anytime.

For custom design beds where straight joins require support with a brace, then concreting the anchor post may be necessary to support the join and simultaneously lockdown the planter.

A filled planter box is going to be very stable and difficult to remove though, so in most cases locking down the planter box is not required.

### WHY DO WE SUPPLY AND RECOMMEND TEK SCREWS?

Tek screws are great for their self-tapping (self-drilling) abilities and the inherent strength this gives to the planter box joins. They provide an easy, fast and strong method for joining when combined with our pre-drilled guide holes. The long lasting, grey Dacromet Tek screws are best for all the buried screw locations of these products.

#### ADVANTAGES

- ✓ Smooth rounded edges for safety and feel
- ✓ Up to 3x faster installation
- ✓ No welding required
- ✓ Flatpack approach means more deliverable possibilities
- ✓ No Experience/training needed
- ✓ Designed for ease of use

# Straightcurve® Planter Box / 4-Panel Kits & Custom Panel Orders - 400mm

Made from selection of panel sizes (OR from pre made kits as sets of 4 panels with parts incl.)

FHL400-400/600/800/1000/1200WS WEATHERING STEEL

FHL400-400/600/800/1000/1200GS GALVANISED STEEL

## EDGE STYLE



## FINISHES

- Galvanised Steel
- Weathering Steel

For lasting, sturdy planter boxes that look both bold and beautiful

## Product features

The details that make the difference

Precision Engineered Join System for designer seams



### KNOW THE SIZE YOU NEED?

Select the right Square or Rectangle planter box kit OR choose the right size panels yourself for a four panel square or rectangle planter box.

The kits will include the 4 corner sets required. If purchasing panels separately be sure to order the four corner join sets too.

## Product specifications

### TECHNICAL SPECIFICATIONS (for BOTH kits and custom planters)

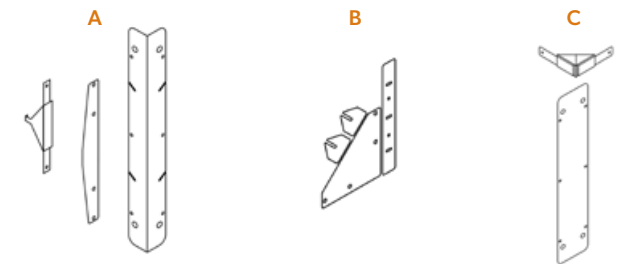
Panel Lengths	400/600/800/1000/1200 mm (use set of 4 or 2+2 for 4-panel planter boxes)
Top edge thickness	46mm
Steel plate thickness	2mm
Weight per panel	3.5/5.0/6.6/8.2/9.7/15.8kg (multiply for kit weights)
<b>BULK BUYING</b>	
Pack quantity	10
Bulk pack weight	35/50/66/80/97/158kg



### JOIN SETS ARE REQUIRED

- A** A Straight join set (for longer custom planters)\*
- B** Closed corner set (standard 90°, right angle)\*  
4 supplied in premade kits
- B** Reverse Corner set (270°, L-shapes)\*

\*All require Tek screws, select from above to suit planter box design



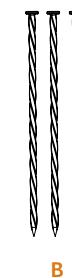
### ADDITIONAL ACCESSORIES

#### OPTIONAL

If lockdown required :

- B** Fixing spikes, galvanised, 300mm long
  - 2 for 400/600/800mm panels
  - 3 for 1000/1200 panels

Up to three spikes required per panel



**B**



Round edge square tops with folded down inside edge for child & pet safety



Hidden fixings and whole panel sides for clean finish



Boxy top profile for both great looks and strength

# Planter Box 4-Panel Kit & Custom Easy-Build Planter Boxes - 400mm Installation Guide



## RECOMMENDED TOOLS

- Ground leveling tools
- Metal hammer
- Cordless drill and Tek screw bit
- Pliers

## PREPARATIONS

Construct the bed on a clean, even area free from grit and debris. Also have the install space level and clear for install once you have made the planter box.

It can be installed on all level ground types including concrete surfaces (where packers are used to sit edge off ground to allow drainage).

Note that the corner join base part can be screwed on from underneath to avoid the screws scratching the surface for sensitive installs such as decks or paving. This planter is bottomless, so consider how you may line the planter in such situations too.

## DO...

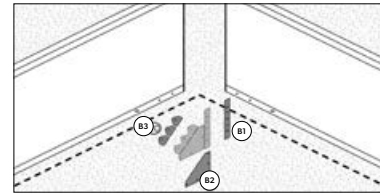
- ✓ Use corner join set parts in the stepped order recommended
- ✓ Get the top join pieces to sit just right before screwing tight
- ✓ If installing on a hard surface line the bed to prevent grit spillage
- ✓ Set drill speed to high when drilling Tek screws

## DON'T...

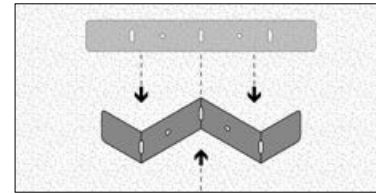
- ✗ Set directly onto a hard surface without raising slightly with packers for drainage
- ✗ Accelerate rust with acids or salts (but soapy water is ok!)
- ✗ Try and use pop rivets, requires Tek screws for strength
- ✗ Forget the safety gloves when working with steel!

## MAKING A 4 PANEL SQUARE / RECTANGULAR PLANTER BOX

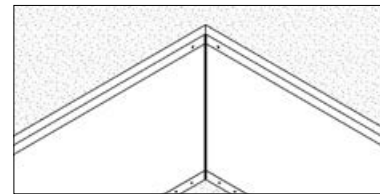
### JOIN PANELS TOGETHER



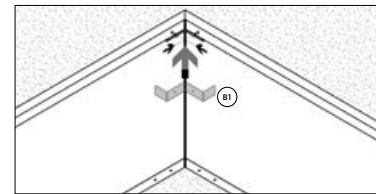
**STEP 1** - Use the Corner Join Set (B). Break apart the pieces in the set.



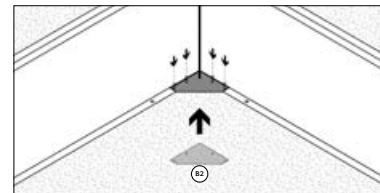
**STEP 2** - Take strip piece (B1) and use pliers to shape into staircase pattern.



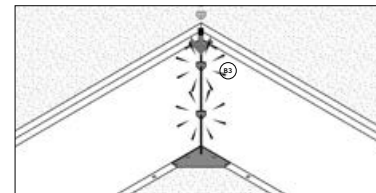
**STEP 3** - Stand the two panels at right angles to each other and butt together.



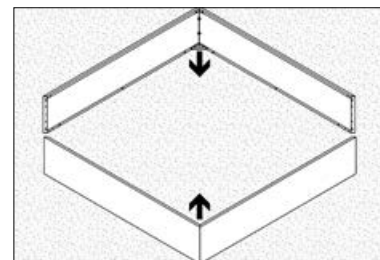
**STEP 4** - To join insert top connector 'staircase' piece (B1), align guide holes and screw.



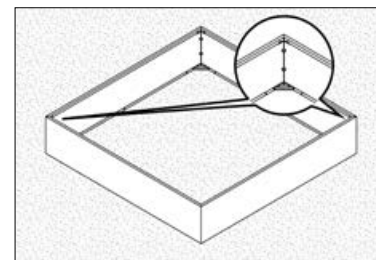
**STEP 5** - Slide in foot joiner (B2), align guide holes and screw. (NB screw from below if installing on a hard surface)



**STEP 6** - Firmly grip and hammer arrow shaped wedge pieces (B3) into angled slots at back to fully secure the join.



**STEP 7** - Repeat above for other pair of panels and then bring them all together



**STEP 8** - Complete the last two corner joins

**SECURING TO GROUND (OPTIONAL)** - If you choose to do this use fixing spikes to secure base through holes in foot. Order these separately if needed.

**BACKFILL** - evenly to complete, lining the bed first with something like geofabric if necessary

# Custom Easy-Build Planter Boxes

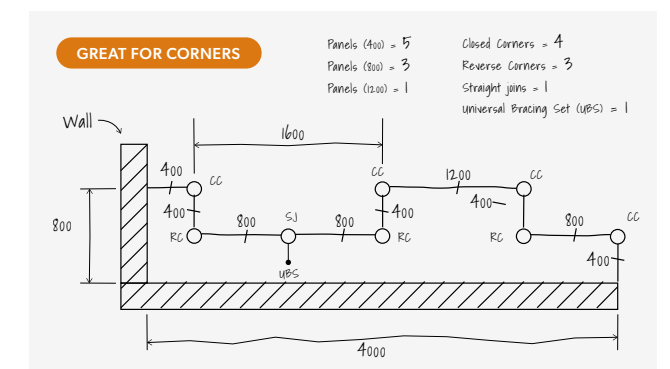
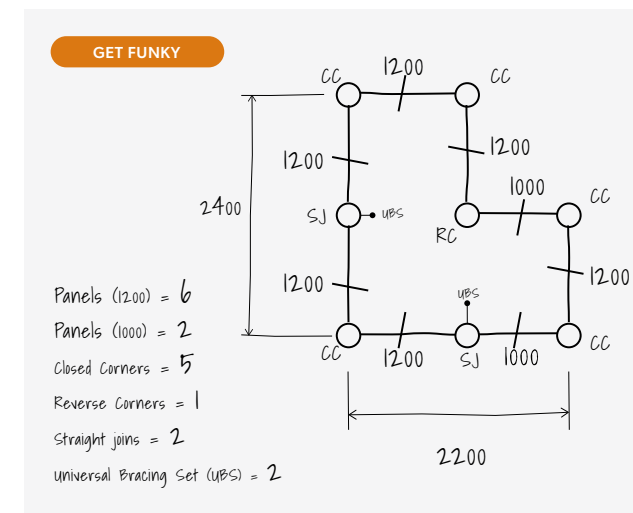
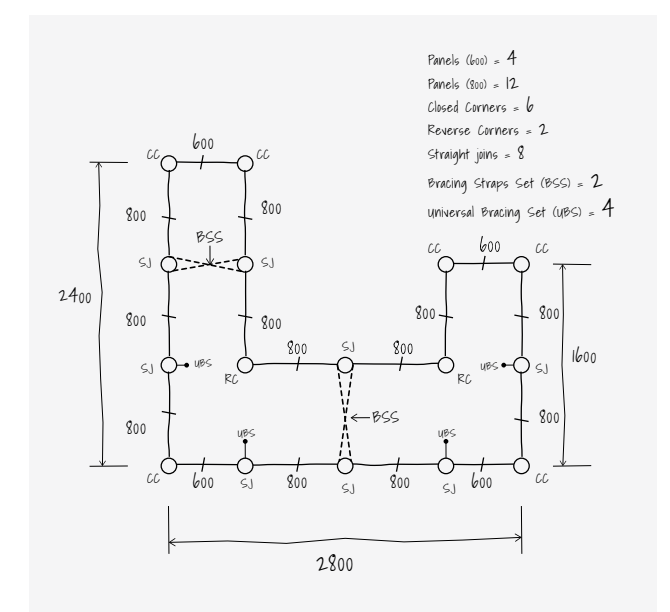
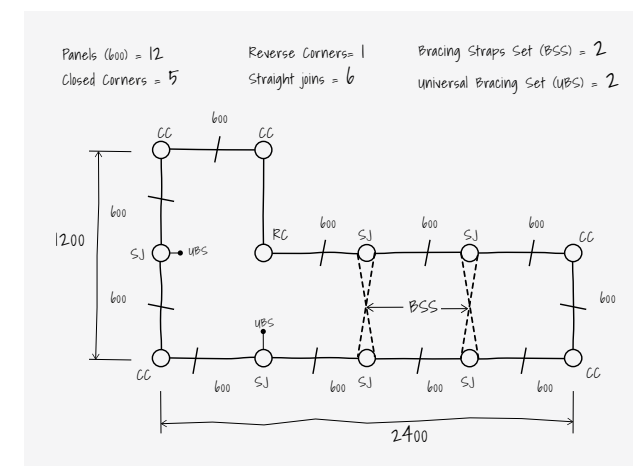
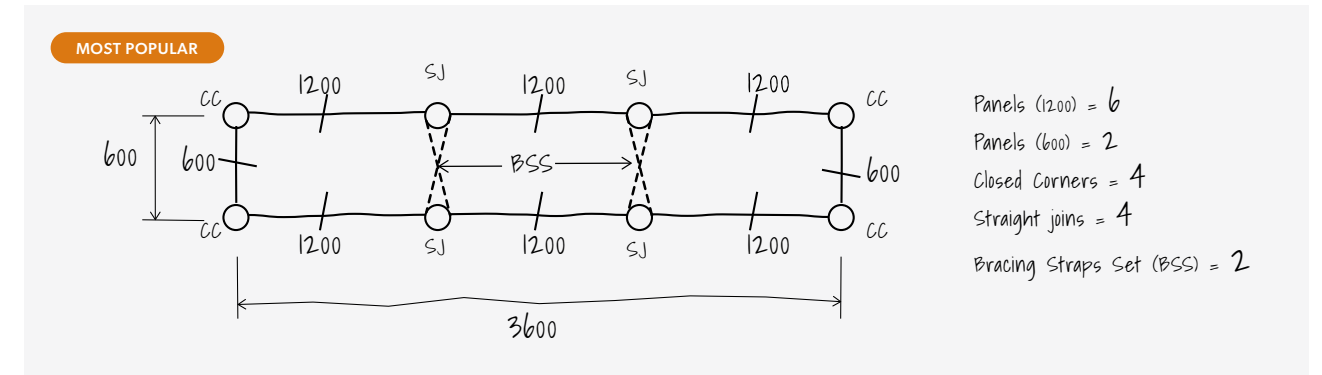
## In four easy steps

**Step 1:** Sketch out your raised garden bed shape including dimensions of all sides.

**Step 2:** Measure up - On your sketch, mark out all panel sizes required to build your design. Note: Straightcurve® planter panels are available in 400mm, 600mm, 800mm, 1000mm, 1200mm and 2000mm long lengths to make up a 'nearest to' option.

**Step 3:** Jot down the number of panels of each length needed for your design. Do the same for joining accessories (circle each panel join and tally the number of straight joins, closed corners, and reverse corners required)

**Step 4:** Brace it right - each straight join in your design will require bracing. Use one bracing strap set where two opposing joins are equal to or less than 1200mm apart. In all other situations, use one universal bracing set (or ground anchor post 1100mm + fitting set) per straight join. Make a note of how many of each type of bracing you need on your sketch.

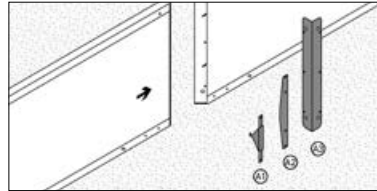


## MAKING A CUSTOM EASY-BUILD PLANTER BOX

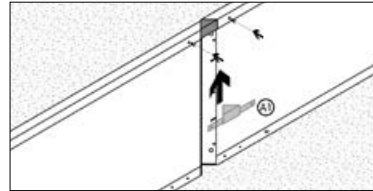
NOTE: ALL PANELS REQUIRE JOINING

1. REFER TO MAKING A 4 PANEL SQUARE / RECTANGULAR PLANTER BOXES TO SEE THE CLOSED CORNER JOIN.

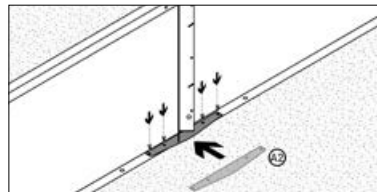
2. STRAIGHT JOINS ARE DONE LIKE SO:



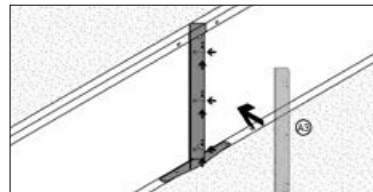
**STEP 1** - For a straight join (two panels in a line) use the Straight Join Set (A). Separate the pieces in the set.



**STEP 2** - Stand the first two panels together on a flat surface and insert top connector piece (A1), align guide holes and screw.

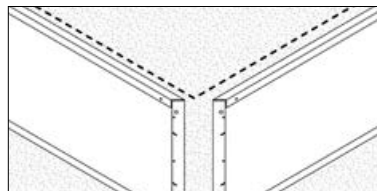


**STEP 3** - Slide in foot joiner (A2), align guide holes and screw.

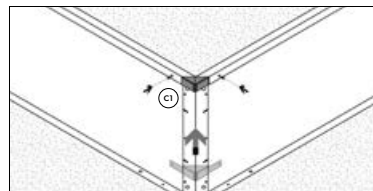


**STEP 4** - Fit back rib (A3) flush to align guide holes and screw.

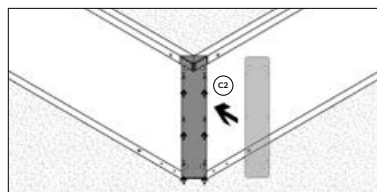
3. REVERSE CORNERS ARE DONE LIKE SO:



**STEP 1** - For a reverse corner stand the two panels in the L shape formation and butt them together.



**STEP 2** - From the reverse corner joint set (C), insert (slide in) the top piece (C1) as shown and align guide holes and Tek screw in place.



**STEP 3** - Position the back fixing plate (C2) align and Tek screw through guide holes to secure.

Scan or click to watch install video

▶ INSTALL GUIDE



## BRACING REQUIRED FOR STRAIGHT JOINS

YOU HAVE THREE OPTIONS:

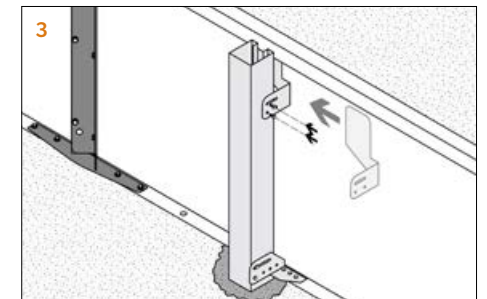
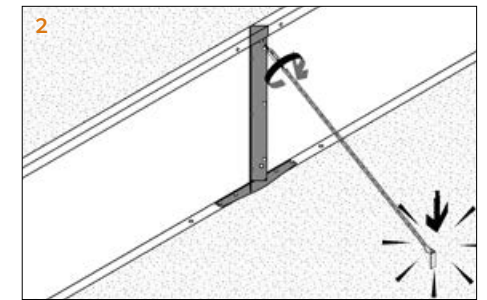
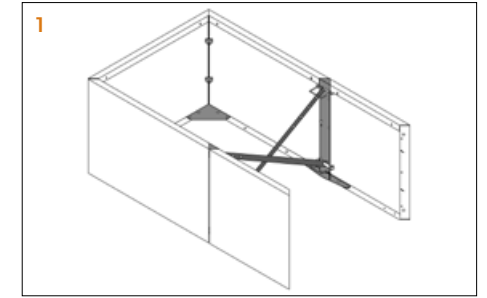
A. WHERE TWO OPPOSING JOINS ARE LESS THAN 1200MM APART

1. **BRACING STRAP SET:** One Bracing strap set (two lengths) will span as a cross brace between the two joins as shown. The braces run diagonally from the top of both straight joins to the bottom of the opposite straight joins. These are designed to cater for different spans, simply breakaway to required span by hand, by bending back and forth, then attach with lock pins supplied.

B. **FOR STRAIGHT JOINS GREATER THAN 1200MM APART** - if not directly opposite another straight join use either:

2. **UNIVERSAL BRACING SET:** The universal Bracing set will hook into top hole in join rib and anchor to the ground. Adjust final tension with the turnbuckle. This is real easy.

3. **THE GROUND ANCHOR SET - 1100MM:** Installed near to the straight join, installing the post first then using the fitting set to screw and secure panel to the post. This involves a little digging!



## MAKING DIFFERENT HEIGHT PLANTER BOXES

The Planter Boxes will look great in combination, with different heights placed together. Note that our Zero-Flex Raised Garden Bed 240mm product has the same profile/look, if you'd like to add that height to the mix! Setting all planters perfectly level is key to achieving this look.

## SPECIAL CASE - USING A 2000MM PANEL

These panels are not listed here but can be found in the Zero-Flex Raised Garden Beds product pages. Investigate there if you want to build an XL four panel planter and note the bracing requirements for that size.

# Straightcurve® Planter Box / 4-Panel Kits & Custom Panel Orders - 560mm

Made from selection of panel sizes (OR from pre made kits as sets of 4 panels with parts incl.)

FHL560-400/600/800/1000/1200WS WEATHERING STEEL

FHL560-400/600/800/1000/1200GS GALVANISED STEEL

## EDGE STYLE



## FINISHES

● Galvanised Steel

● Weathering Steel

For lasting, sturdy planter boxes that look both bold and beautiful

## Product features

The details that make the difference

Boxy top profile for both great looks and strength



### KNOW THE SIZE YOU NEED?

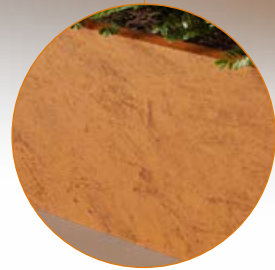
Select the right Square or Rectangle planter box kit OR choose the right size panels yourself for a four panel square or rectangle planter box.

The kits will include the 4 corner sets required. If purchasing panels separately be sure to order the four corner join sets too.

For an even more custom approach, read on!



Round edge square tops with folded down inside edge for child & pet safety



Hidden fixings and whole panel sides for clean finish



Precision Engineered Join System for designer seams

## Product specifications

### TECHNICAL SPECIFICATIONS (for BOTH kits and custom planters)

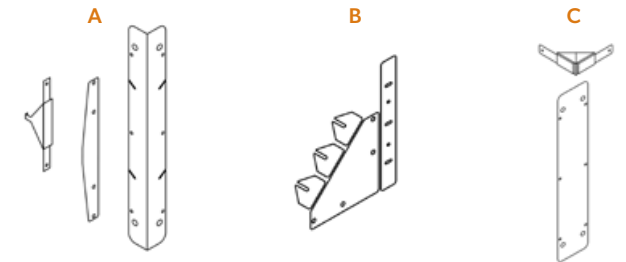
Panel Lengths	400/600/800/1000/1200 mm (use set of 4 or 2+2 for 4-panel planter boxes)
Top edge thickness	46mm
Steel plate thickness	2mm
Weight per panel	3.5/5.0/6.6/8.2/9.7/15.8kg (multiply for kit weights)
<b>BULK BUYING</b>	
Pack quantity	10
Bulk pack weight	35/50/66/80/97/158kg



### JOIN SETS ARE REQUIRED

- A** A Straight join set (for longer custom planters)\*
- B** Closed corner set (standard 90°, right angle)\*  
4 supplied in premade kits
- B** Reverse Corner set (270°, L-shapes)\*

\*All require Tek screws, select from above to suit planter box design



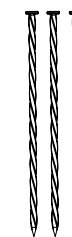
### ADDITIONAL ACCESSORIES

#### OPTIONAL

If lockdown required :

- B** Fixing spikes, galvanised, 300mm long
  - 2 for 400/600/800mm panels
  - 3 for 1000/1200mm panels

Up to three spikes required per panel



**B**

# Planter Box 4-Panel Kit & Custom Easy-Build Planter Boxes - 560mm Installation Guide



## RECOMMENDED TOOLS

- Ground leveling tools
- Metal hammer
- Cordless drill and Tek screw bit
- Pliers

## PREPARATIONS

Construct the bed on a clean, even area free from grit and debris. Also have the install space level and clear for install once you have made the planter box.

It can be installed on all level ground types including concrete surfaces (where packers are used to sit edge off ground to allow drainage).

Note that the corner join base part can be screwed on from underneath to avoid the screws scratching the surface for sensitive installs such as decks or paving. This planter is bottomless, so consider how you may line the planter in such situations too.

## DO...

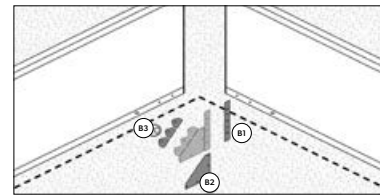
- ✓ Use corner join set parts in the stepped order recommended
- ✓ Get the top join pieces to sit just right before screwing tight
- ✓ If installing on a hard surface line the bed to prevent grit spillage
- ✓ Set drill speed to high when drilling Tek screws

## DON'T...

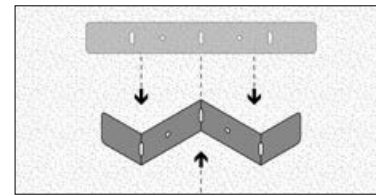
- ✗ Set directly onto a hard surface without raising slightly with packers for drainage
- ✗ Accelerate rust with acids or salts (but soapy water is ok!)
- ✗ Try and use pop rivets, requires Tek screws for strength
- ✗ Forget the safety gloves when working with steel!

## MAKING A 4 PANEL SQUARE / RECTANGULAR PLANTER BOX

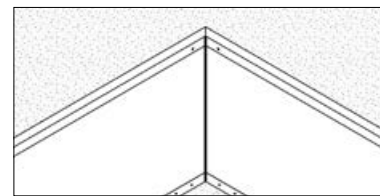
### JOIN PANELS TOGETHER



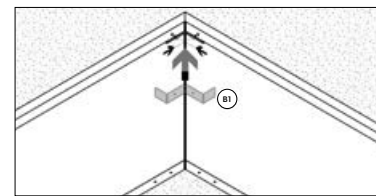
**STEP 1** - Use the Corner Join Set (B). Break apart the pieces in the set.



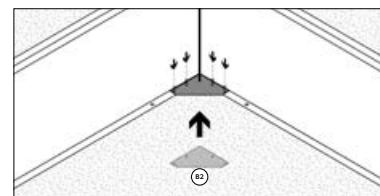
**STEP 2** - Take strip piece (B1) and use pliers to shape into staircase pattern.



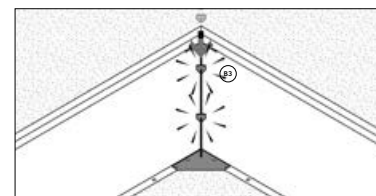
**STEP 3** - Stand the two panels at right angles to each other and butt together.



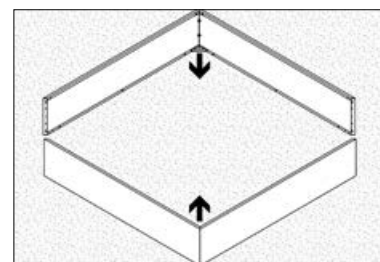
**STEP 4** - To join insert top connector 'staircase' piece (B1), align guide holes and screw.



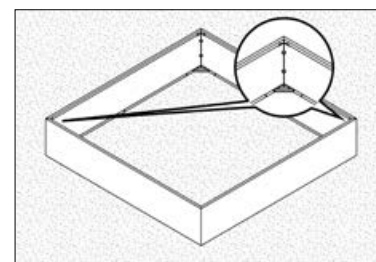
**STEP 5** - Slide in foot joiner (B2), align guide holes and screw. (NB screw from below if installing on a hard surface)



**STEP 6** - Firmly grip and hammer arrow shaped wedge pieces (B3) into angled slots at back to fully secure the join.



**STEP 7** - Repeat above for other pair of panels and then bring them all together



**STEP 8** - Complete the last two corner joins

**SECURING TO GROUND (OPTIONAL)** - If you choose to do this use fixing spikes to secure base through holes in foot. Order these separately if needed.

**BACKFILL** - evenly to complete, lining the bed first with something like geofabric if necessary

# Custom Easy-Build Planter Boxes

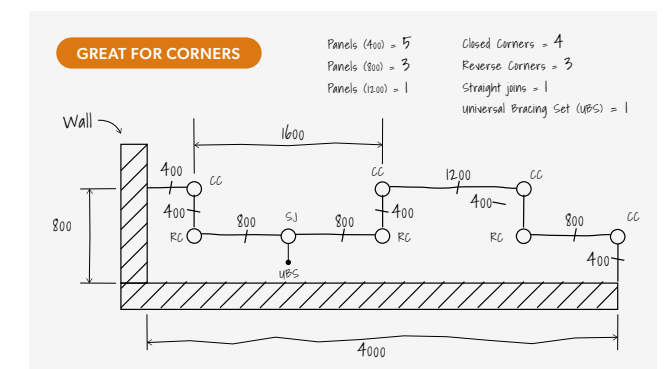
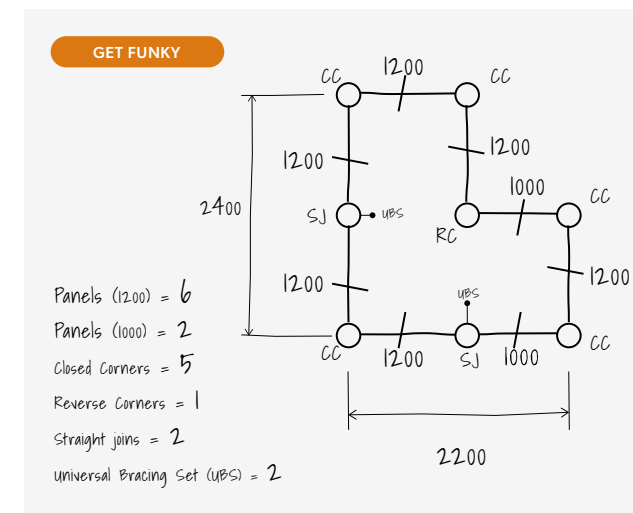
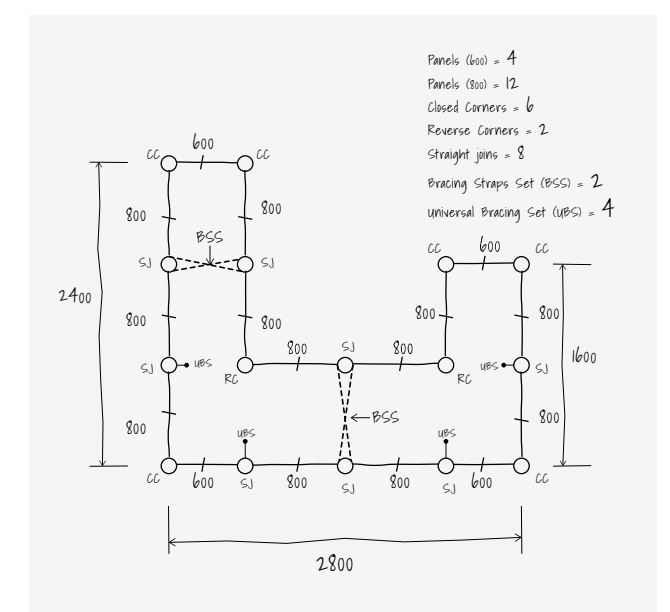
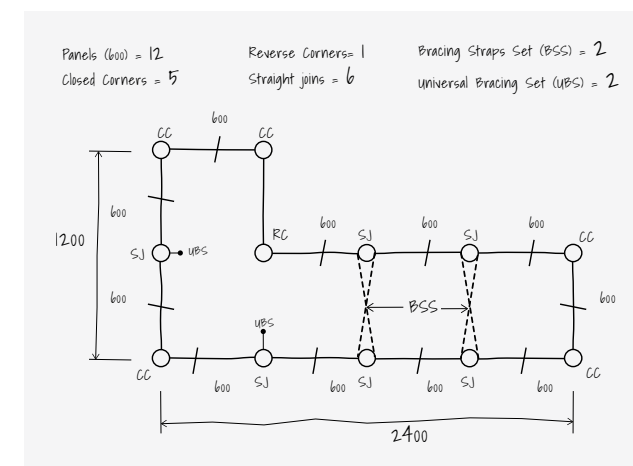
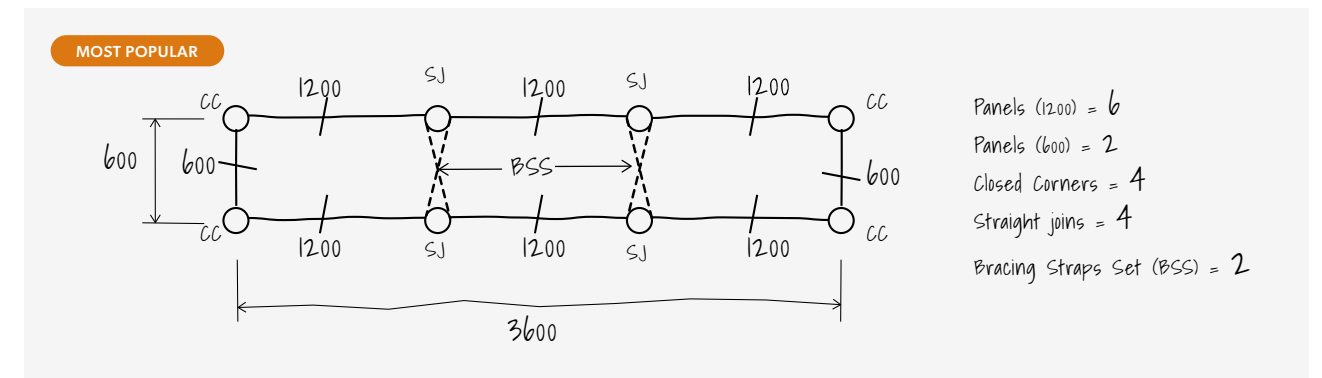
## In four easy steps

**Step 1:** Sketch out your raised garden bed shape including dimensions of all sides.

**Step 2:** Measure up - On your sketch, mark out all panel sizes required to build your design. Note: Straightcurve® planter panels are available in 400mm, 600mm, 800mm, 1000mm, 1200mm and 2000mm long lengths to make up a 'nearest to' option.

**Step 3:** Jot down the number of panels of each length needed for your design. Do the same for joining accessories (circle each panel join and tally the number of straight joins, closed corners, and reverse corners required)

**Step 4:** Brace it right - each straight join in your design will require bracing. Use one bracing strap set where two opposing joins are equal to or less than 1200mm apart. In all other situations, use one universal bracing set (or ground anchor post 1100mm + fitting set) per straight join. Make a note of how many of each type of bracing you need on your sketch.

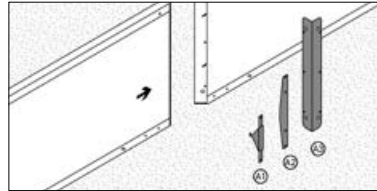


## MAKING A CUSTOM EASY-BUILD PLANTER BOX

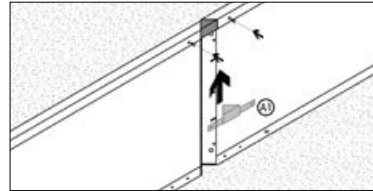
NOTE: ALL PANELS REQUIRE JOINING

1. REFER TO MAKING A 4 PANEL SQUARE / RECTANGULAR PLANTER BOXES TO SEE THE CLOSED CORNER JOIN.

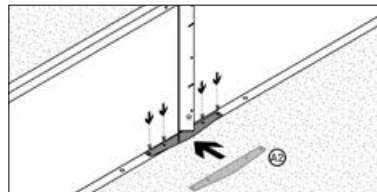
2. STRAIGHT JOINS ARE DONE LIKE SO:



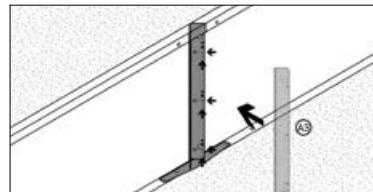
**STEP 1** - For a straight join (two panels in a line) use the Straight Join Set (A). Separate the pieces in the set.



**STEP 2** - Stand the first two panels together on a flat surface and insert top connector piece (A1), align guide holes and screw.

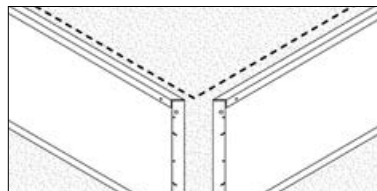


**STEP 3** - Slide in foot joiner (A2), align guide holes and screw.

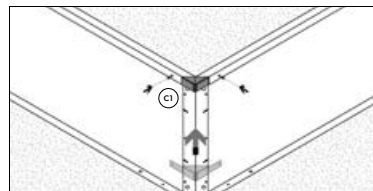


**STEP 4** - Fit back rib (A3) flush to align guide holes and screw.

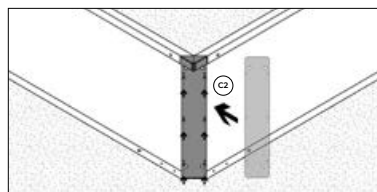
3. REVERSE CORNERS ARE DONE LIKE SO:



**STEP 1** - For a reverse corner stand the two panels in the L shape formation and butt them together.



**STEP 2** - From the reverse corner join set (C), insert (slide in) the top piece (C1) as shown and align guide holes and Tek screw in place.



**STEP 3** - Position the back fixing plate (C2) align and Tek screw through guide holes to secure.

Scan or click to watch install video

▶ INSTALL GUIDE



## BRACING REQUIRED FOR STRAIGHT JOINS

YOU HAVE THREE OPTIONS:

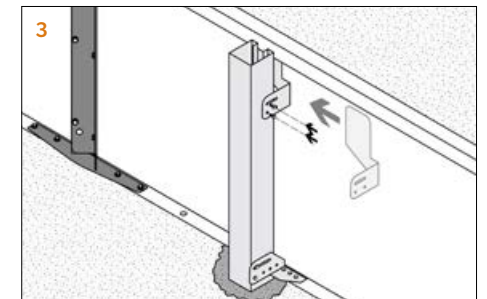
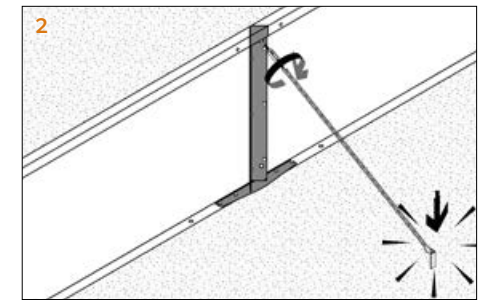
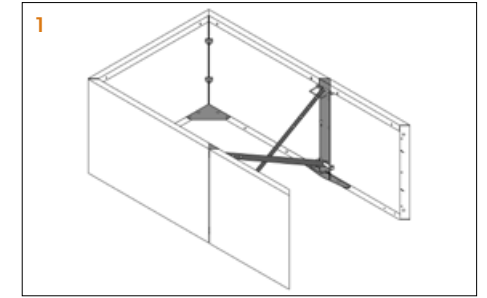
### A. WHERE TWO OPPOSING JOINS ARE LESS THAN 1200MM APART

1. **BRACING STRAP SET:** One Bracing strap set (two lengths) will span as a cross brace between the two joins as shown. The braces run diagonally from the top of both straight joins to the bottom of the opposite straight joins. These are designed to cater for different spans, simply breakaway to required span by hand, by bending back and forth, then attach with lock pins supplied.

B. **FOR STRAIGHT JOINS GREATER THAN 1200MM APART** - if not directly opposite another straight join use either:

2. **UNIVERSAL BRACING SET:** The universal Bracing set will hook into top hole in join rib and anchor to the ground. Adjust final tension with the turnbuckle. This is real easy.

3. **THE GROUND ANCHOR SET - 1100MM:** Installed near to the straight join, installing the post first then using the fitting set to screw and secure panel to the post. This involves a little digging!



## MAKING DIFFERENT HEIGHT PLANTER BOXES

The Planter Boxes will look great in combination, with different heights placed together. Note that our Zero-Flex Raised Garden Bed 240mm product has the same profile/look, if you'd like to add that height to the mix! Setting all planters perfectly level is key to achieving this look.

## SPECIAL CASE - USING A 2000MM PANEL

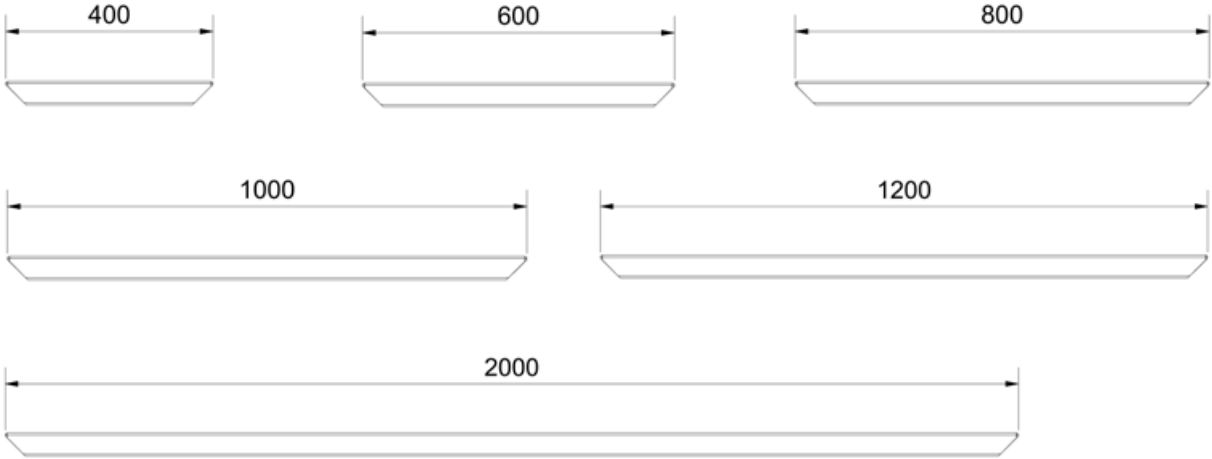
These panels are not listed here but can be found in the Zero-Flex Raised Garden Beds product pages. Investigate there if you want to build an XL four panel planter and note the bracing requirements for that size.



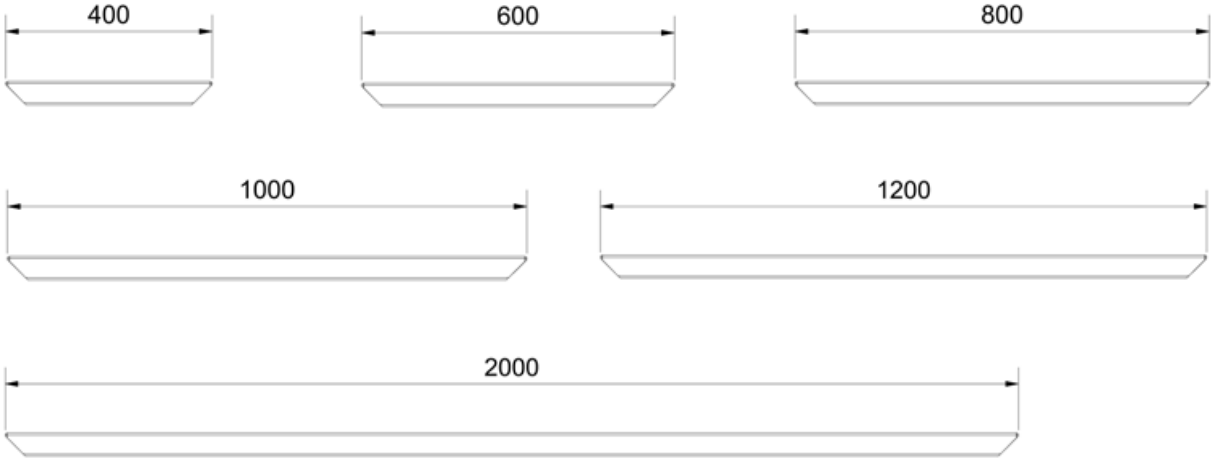
# Technical Drawings



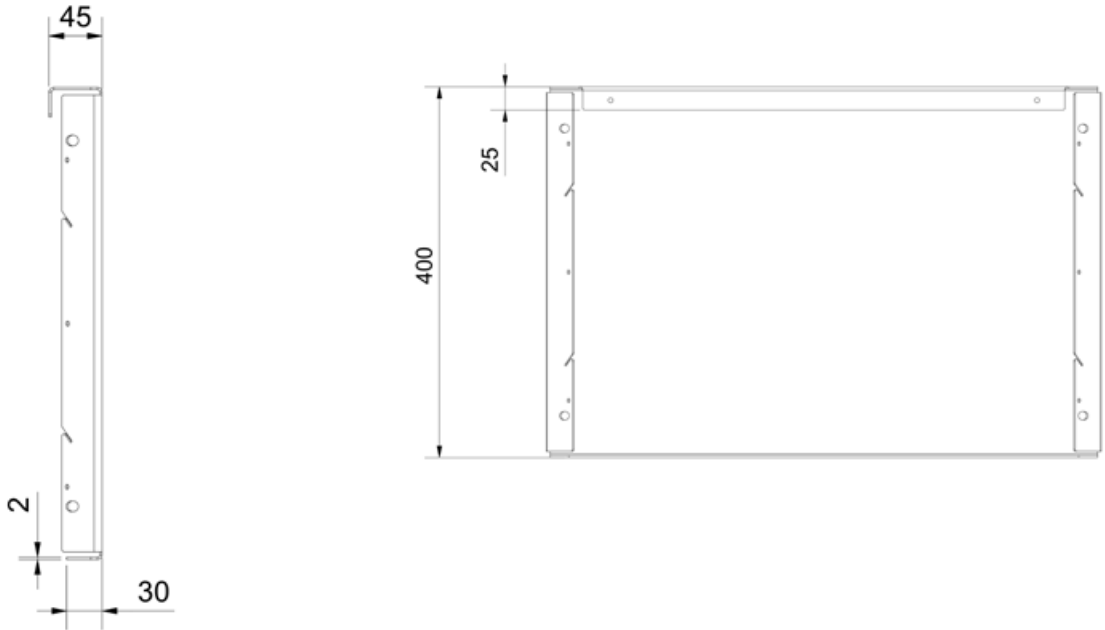
STRAIGHTCURVE® ZERO-FLEX RAISED GARDEN BED PANEL - 400MM



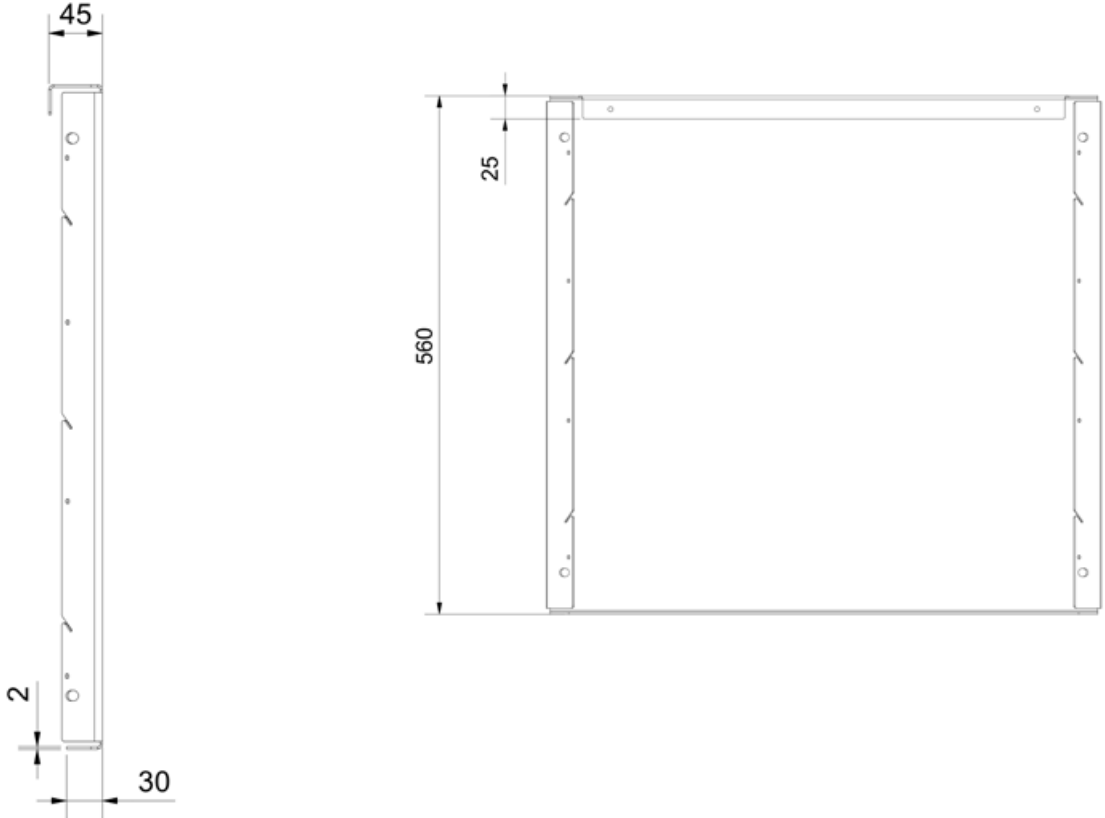
STRAIGHTCURVE® ZERO-FLEX RAISED GARDEN BED PANEL - 560MM



PANEL END/JOIN FLANGE



PANEL END/JOIN FLANGE



NOTE: Foot holes not shown in these diagrams are of 9mm diameter

NOTE: Foot holes not shown in these diagrams are of 9mm diameter

Planter boxes

Planter boxes