

## Limes article overview

● SLATE GREY ● LAVA BROWN ● INGWER ● SEL GRIS ● LORBEER

**POSTS**  
ROUND | Ø 90 mm  
SQUARE | 90 x 90 mm  
OCTAGONAL | 90 x 90 mm  
OVAL | 90 x 60 mm  
L: 220 | 270 cm

**PANEL AUGUSTA (wavy)**  
270 x 35 mm  
L: 160.2 cm | 210 cm

**PANEL COLONIA (smooth)**  
239 x 6 mm  
L: 158.4 cm | 210 cm

**TRANSOM**  
SQUARE | 40 x 112 mm  
OVAL | 90 x 60 mm  
L: 178.6 cm

**FENCE SET WITH NEW STAINLESS STEEL BAR**  
Gradient of up to 10% without a diagonal cut to the panels  
Set for 1 fence section includes:  
2 stainless steel bars incl. post fastening  
1 insert bar  
7 AUGUSTA PANELS incl. accessories

**BASE PLATE FOR POSTS**  
120 x 120 mm | thickness 8 mm  
incl. 4 screws (M8 x 80 mm)

**CONNECTING SPACER**  
38 x 30 mm  
L: 156.6 | 178.6 cm | 190 cm

**TRANSOM CONNECTORS TWO-PART (POSTS/BARS)**  
incl. 4 screws (M6 x 30 mm)  
Blackened stainless steel  
Can be combined with any other Pole System.

**PANEL HOLDER for wavy panels**  
16 units per section

**INTERNAL HEXAGONAL SCREW**  
M6 x 40 mm  
for Connecting Spacer  
16 units per section

Comprehensive descriptions for the assembly of the articles listed here can be found in the product data sheets enclosed in the scope of delivery.

## Assembly fundamentals

**Cemented assembly**

**Assembly on base plate**

1. Dig all of the foundation holes (40 x 40 x 80 cm).
2. Fill the foundation hole with concrete to a depth of 10 cm. Position the frame in the foundation hole at a depth of -70. Precisely apply the lower edge of the post with the aid of a small brick. Apply concrete into the foundation hole to a level of -10. All posts must be vertically aligned.
1. A separate, suitable foundation is required. For this purpose, dig all of the foundation holes (40 x 40 x 80 cm) and fill with concrete to a height of 60 cm. Allow to fully harden. Alternatively, a suitable anchoring system can be installed on-site.
2. Pre-drill the holes on the post for the base plate (75 x 85 mm). Screw the base plate to the post (4 M8 x 80, oval post: 3 M8 x 80). Screw the base plate complete with post to the foundation using a suitable anchoring system.

**Transom assembly**

circumferential square octagonal circumferential

Depending on the shape of the post, the transoms can be assembled at stipulated or desired angles so that the fencing system represents a variable and individual solution for all terrain and land.

Note: When using oval posts in a straight fencing sequence, it is essential that the 90 mm side is always used for reinforcement.

**Assembling the transom connectors**

1. Hold the "Pfosten" (post) connecting part to the post and mark on the drill holes. Pre-drill and countersink (5.5 x 35 mm). Note: Please pay attention to the label entitled "OBEN" (top).
2. Screw the "Pfosten" (post) connecting part to the post using the supplied M6 x 30 screws. Note: Please pay attention to the label entitled "OBEN" (top).
3. On the frontal side of the transom, centrally pre-drill and countersink the holes (5.5 x 35 mm). Screw the "Riegel" (transom) connecting part to the bar using the supplied M6 x 30 screws. The bar connectors on the stainless steel bar have already been pre-assembled.
4. Left hand side fully engaged, right hand side attached but not fully engaged.

## Construction Wood Range

● NUT BROWN ● NATURAL BROWN ● BASALT GREY ● LAVA BROWN ● SLATE GREY

**CONSTRUCTION PLANK**  
40 x 112 mm | L: 360 cm  
40 x 145 mm | L: 420 cm

**CONSTRUCTION WOOD**  
ROUND | SQUARE | OCTAGONAL | OVAL  
Ø 90 mm | 90 x 90 mm | 90 x 90 mm | 90 x 60 mm  
L: 360 cm

**COLOURS**  
NUT BROWN  
NATURAL BROWN  
BASALT GREY  
LAVA BROWN  
SLATE GREY

**CONSTRUCTION PLAN BASIS**  
LIMES fencing system

Outdoor living,  
outdoor is megawood.®

www.megawood.com

## Advantages

The LIMES fencing system offers diverse visual protection and fencing combination opportunities. The connection is established by special panel holders and the innovative bar connectors from megawood® that compensate for natural linear expansion.

Available in system dimensions, the LIMES fencing system can also be individually tailored to your garden needs as is the case with all megawood® products. Install angles, recesses, inclines or stepped gates.

The new stainless steel bar enables the construction of a 10% gradient without needing to perform a diagonal cut on the panels and is available in a special length in the set with corrugated panels.

This basic construction plan illustrates the structure of the system elements and the fundamental assembly procedures. However, it is unable to depict all versions. Please use our LIMES fence configurator that is available online for individual structure versions. The diverse planning opportunities and the associated construction drawing make it possible to utilise the LIMES fencing system according to your personal needs.



The LIMES fencing configurator is available online at [www.megawood.com/133](http://www.megawood.com/133)

## Planning principles

- Observe information provided by the concrete manufacturer when assembling in the ground with a concrete foundation. Allow the concrete to harden before performing the next assembly step.
- Only use the posts measuring 2.20 m in length when assembling by screwing on to the base plate. Please note the maximum construction height of 2 m (upper edge of the floor to the upper edge of the post). Higher structures do not comply with the static requirements. Ensure a suitable foundation.
- When assembling the lower bar, ensure that a sufficient distance of at least 100 mm to the ground is maintained.
- In principle, all holes must be pre-drilled 0.5 mm smaller than the screw diameter and 5 mm deeper than the screw length.
- Countersink the drill holes for the bar connectors in order to ensure complete contact. Observe a drill hole edge distance of at least 10 mm. When assembling the posts and bars, please observe the stated clearance in terms of width / the distance between the post to the bar of 12 mm.
- Ensure that the bar connectors are fully engaged when performing the final assembly. This ensures full stability.
- When assembling the panels / profiles, pay attention to the connection of the groove and spring in order to ensure dimensional accuracy.
- Use the special panel lengths and our construction wood range when dealing with structures that adapt to the slope with a gradient of 3% and higher or our innovative stainless steel bar for gradients of up to 10% without needing to perform a diagonal cut on the panels. Observe the maximum dimension between axes of 190 cm and the maximum section height of 1950 mm (upper edge – terrain).
- Assembly and production-related dimension tolerances regarding length, width and thickness are to be taken into account during assembly. All dimensions must be examined on site.
- The LIMES fencing system may only be erected in accordance with the structural options as illustrated here and which can be planned in the fencing configurator. No liability will be assumed for deviating structure types or if non-original megawood articles are used.

## Care instructions

We recommend cleaning the LIMES fencing system as required in temperatures of at least 15°C as outlined below:

- Remove dry, loose dirt.
- Sufficiently soak the entire fence section.
- Keep the fence section moist for approx. 15 minutes.
- Clean the fence section with water, solid brush or scrubber and thoroughly rinse with water.

## VARIANTS AND ACCESSORIES

**FENCE ELEMENT COLONIA**  
Panel Colonia, 7 sections  
Dimension between axes: Max. 190 cm  
(Oval post 187 cm)  
Section height: 185 cm

**FENCE ELEMENT AUGUSTA**  
Panel Augusta, 7 sections  
Dimension between axes: Max. 190 cm  
(Oval post 187 cm)  
Section height: 185 cm

**HORIZONTAL FENCE**  
Transom, 7 transoms  
Dimension between axes: Max. 190 cm  
(Oval post 187 cm)  
Section height: 185 cm

**DOOR/GATE**  
102 x 185 cm (Frame: 112 x 270 cm)  
incl. fittings, pre-aligned for profile cylinders  
Production available on request

**FILLINGS**  
Panel Augusta (wavy)  
Fastening with panel holders  
Panel Colonia (smooth)  
Fastening with H-Moulding

**COLOURS**  
Frame ● ● ● ● ●  
Panels ● ● ● ● ●

Attention: Connect the frame to the post in a force-locking manner using 5 M8 x 80 screws per side and then encase into concrete together.

**FENCE ELEMENT AUGUSTA WITH STAINLESS STEEL BAR**  
Panel Augusta, 7 sections  
Dimension between axes: Max. 190 cm  
(Oval post 187 cm)  
Section height: 185 cm  
Gradient of up to 10% possible without a diagonal cut to the panels when using the stainless steel bar.

+100 mm  
0 mm  
-100 mm  
-700 mm

## Structural adaptation to the slope

Note: LIMES system sizes which follow the slope can be installed on inclines measuring up to 3%. In doing so, please note that the dimension between axes is shortened (1.2 mm at 1%, 2.6 mm at 2% and 4.16 mm at 3%). The circumferential gap also changes when performing the assembly with corrugated panels.

Use a 40 x 112 mm construction plank from the construction wood range as a transom as well as the panels measuring 210 mm in length when dealing with inclines greater than 3%.

When dealing with an inclined structure that follows the terrain, screw the transom connector to the centre of the diagonally cut bar.

Gradient of up to 10% possible without a diagonal cut to the panels when using the fence set complete with stainless steel bar.

Construction drawings with precise dimensions (incl. cutting edges) can be created online in the fencing configurator.

## Structure versions

**FENCE ELEMENT**  
Inclined adaptation to the slope

**FENCE ELEMENT**  
Stepped adaptation to the slope

**FENCE ELEMENT**  
Angle structure

Note: Use the special bar lengths from the construction wood range when dealing with structures that adapt to the slope with a gradient of 3% and higher. Gradient of 10% possible without a diagonal cut to the panels when using the stainless steel bar.

## APPLICATION OPPORTUNITIES

**PLANT CONTAINER**  
The construction wood is used to create a stable plant container which matches the megawood® terrace.

**STEPS**  
The megawood® construction plank manages to convince thanks to its weathering resistance and stability. Dimension between axes: max. 80 cm (40x112 mm) max. 100 cm (40x145 mm)

**BAR**  
The megawood® construction plank is the first choice, even in difficult areas. It can even be used for piers. Dimension between axes: max. 100 cm (40x112 mm) max. 120 cm (40x145 mm)

**FENCE**  
Fencing components manufacture from the megawood® construction plank and concrete: A combination for longevity. Dimension between axes: max. 170/180 cm (40x112 mm) max. 200/210 cm (40x145 mm)

**SANDPITS**  
Ideal for small children: Free from dangerous splinters and also extremely durable. Can also be used as a raised flowerbed at a later date.

**BENCH**  
manufactured from 40 x 112 mm construction plank  
Dimension between axes: max. 130 cm (40x112 mm) max. 160 cm (40x145 mm)

## YOUR DEALER

## IMPRINT

Publisher: NOVO-TECH TRADING GmbH & Co. KG, Siemensstraße 31, 06449 Ascherleben, Germany  
Conception/design/layout: toolboxx-media, Magdeburg  
Picture credits: Christian Wolf, Henning Weidhase, Elisa Haubert  
Subject to change. Colours and graphics may differ due to printing processes.  
Date: 1. edition 2018 EN / 19.10.2017



## Frame construction

### STRUCTURE OF THE FIRST FENCE SECTION

1 Screw the "Pfosten" (post) connecting part to the post. Pay attention to the "OBEN" (Top) label. (Pre-drill and countersink the holes to 5.5 mm).

2 Fully engage the lower bar on the post. Apply the top bar but **do not fully engage!**

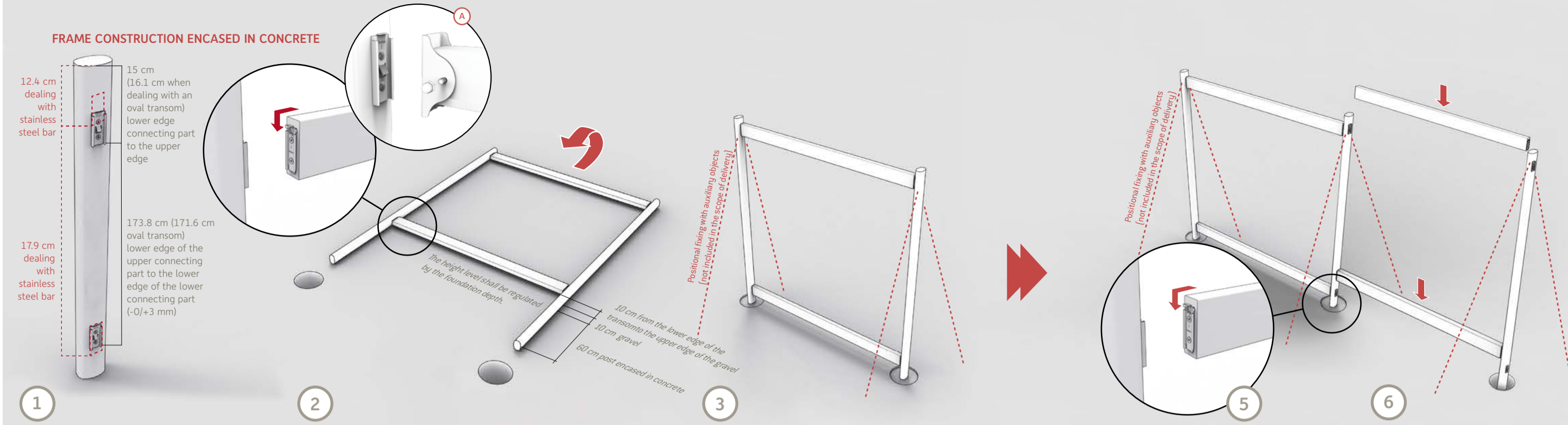
### STRUCTURE OF FURTHER FENCE SECTIONS

4 Screw the "Pfosten" (post) part to the **next** post. On the frontal sides of the transom centrally position and screw the "Riegel" (transom) connecting part.

5 Position the next post with the fully engaged lower transom and, at the same time, fully engage with the post belonging to the frame that has already been assembled.

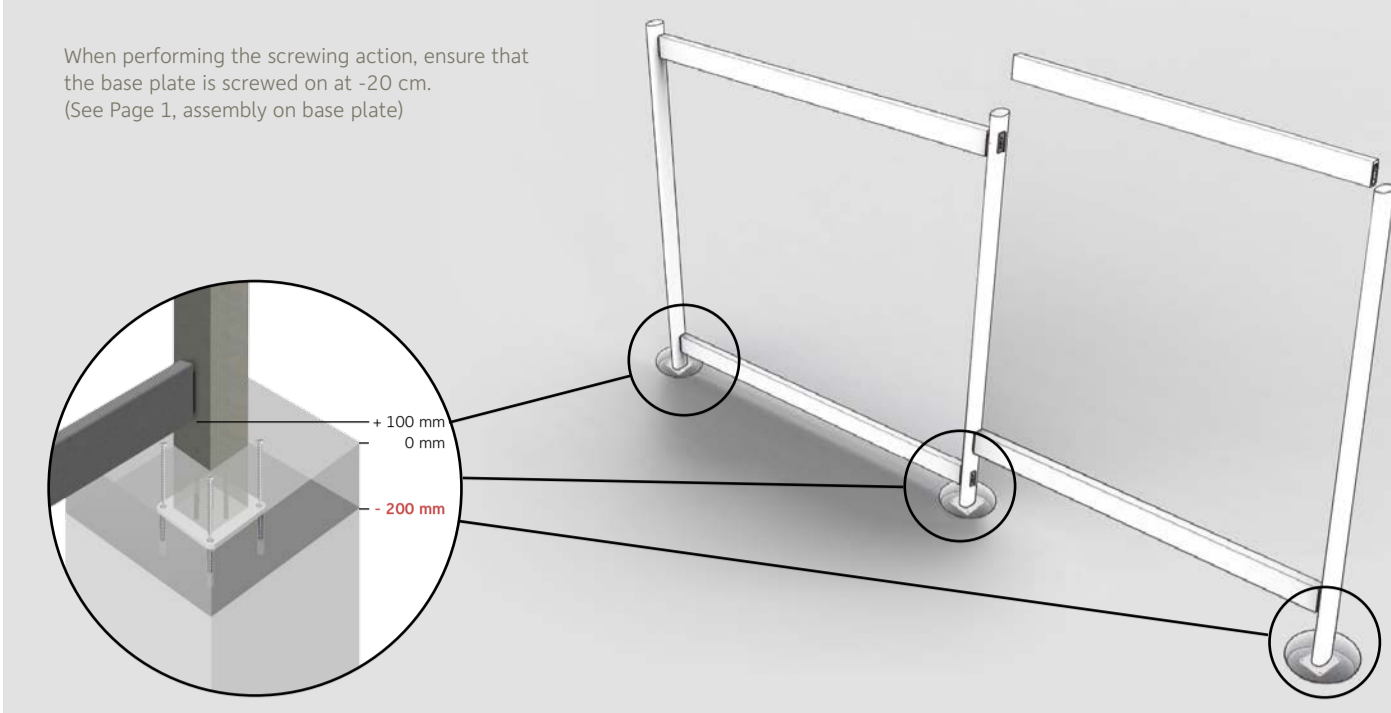
6 Apply the top transom but **do not fully engage**. Vertically fasten the posts in the foundation (encased in concrete/screwed). See base assembly.

Position all further frames.



### SCREWED ON FRAME CONSTRUCTION

When performing the screwing action, ensure that the base plate is screwed on at -20 cm. (See Page 1, assembly on base plate)



## Panel assembly

### WAVY PANEL

7 Remove the upper fence bar.

8 When dealing with the side panel holder, pre-drill the hole to a depth of 30 mm (6.5 mm drill) in the centre of the post and countersink to a depth of 3 mm (20 mm) drill. Fasten the panel holder. Apply the lower panel holder to left or right hand side of the first panel at the centre of the highest corrugation (see detail for further information).

9 Insert the first panel into the side panel holder and determine the lower drill hole in the bar for the lower panel holder, mark and then pre-drill down to a depth of 25 mm using a 6.5 mm drill. Insert the panel complete with panel holder.

10 Connect the further panels by inserting into the previous panel. Attention: Panel special length of 180.5 cm when using a stainless steel bar. Apply a mark for the drilling of the following lower panel holder (see Point 9).

11 When dealing with the last panel, pay attention to the additional side fastening with the panel holder (see Point 8).

12 Equip the upper edge of the panel with the panel holders and apply the upper bar but do not fully engage. Precisely mark the position of the drill holes for the upper panel holder and pre-drill to a depth of 25 mm using a 6.5 mm drill.

13 Apply the top bar and fully engage.

### SMOOTH PANEL

7 Remove the upper fence bar. Pre-drill Connecting Spacers and centrally screw on to the upper and lower fence bar with the enclosed socket head screws.

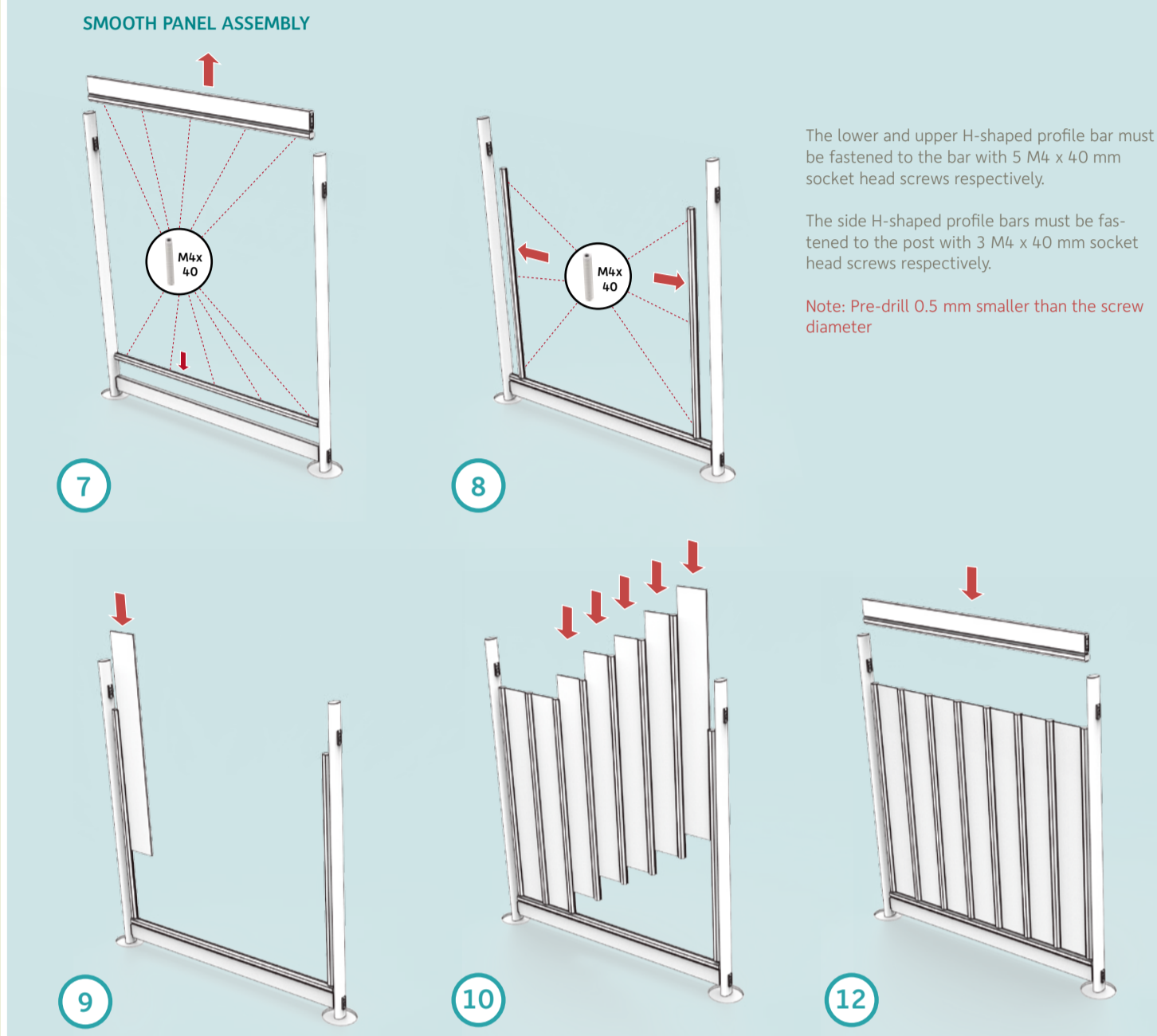
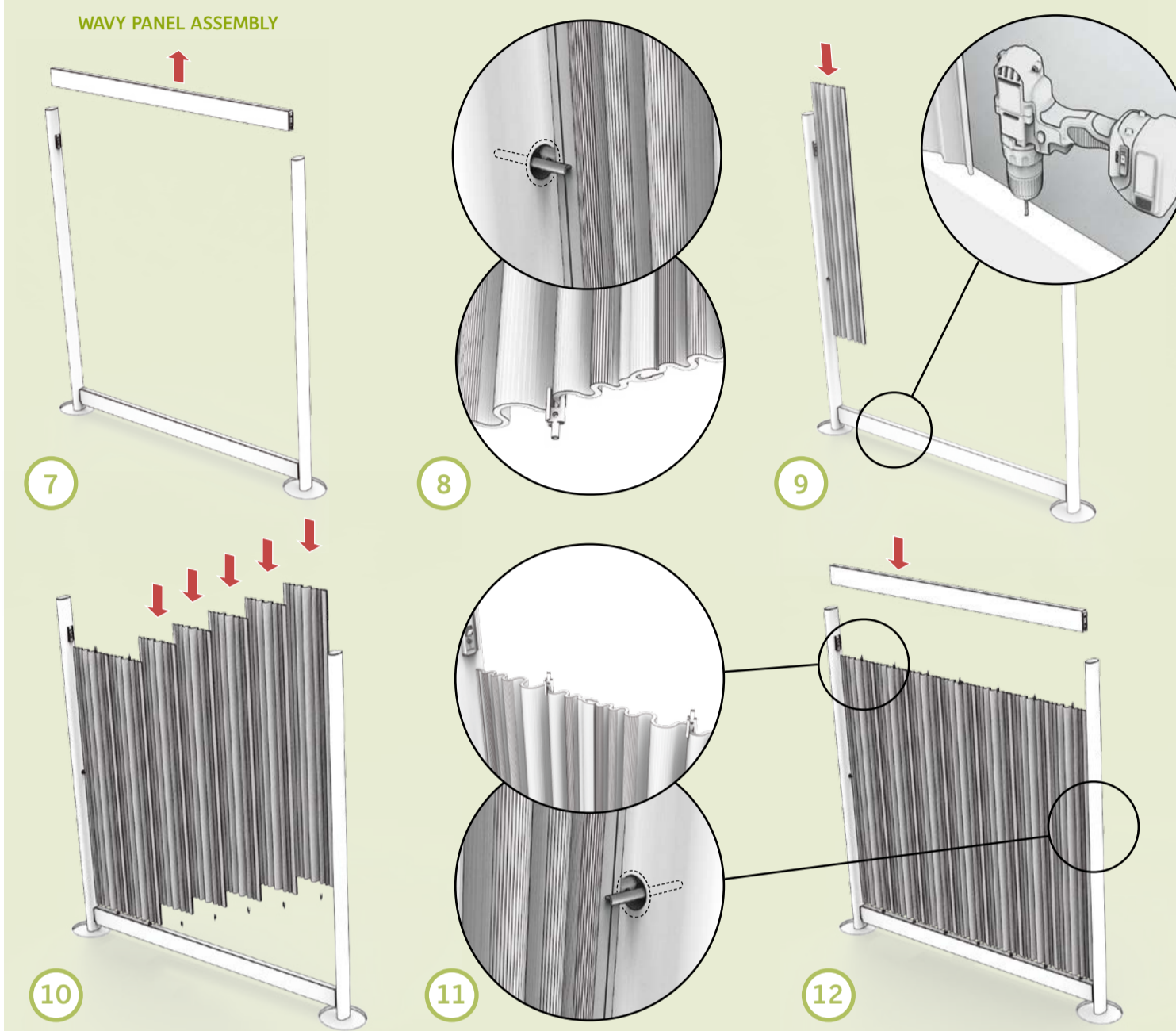
8 Vertically screw two further pre-drilled Connecting Spacers on the left and right to the inner edges of the posts.

9 Insert the first panel into the groove of the vertical connector.

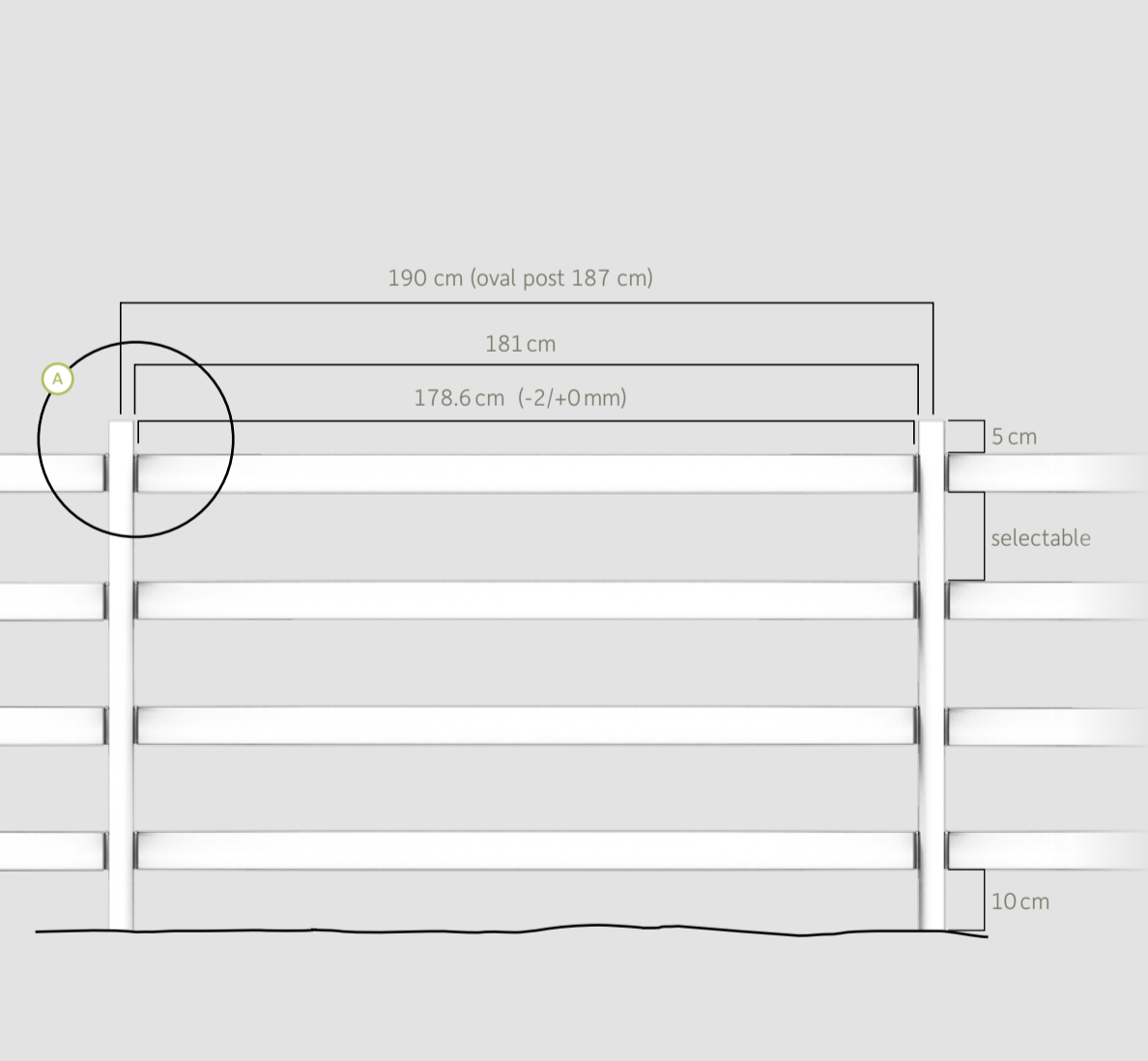
10 Push a further Connecting Spacer on to the previous panel from above. Repeat the process until the last panel.

11 Horizontally screw on the pre-drilled Connecting Spacer on to the lower side of the upper bar.

12 Apply the top bar with Connecting Spacer and fully engage.

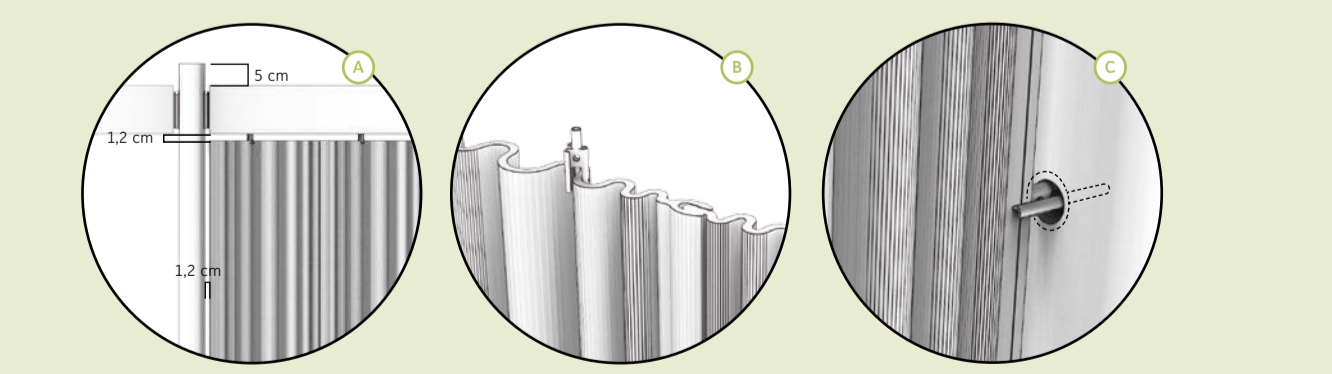
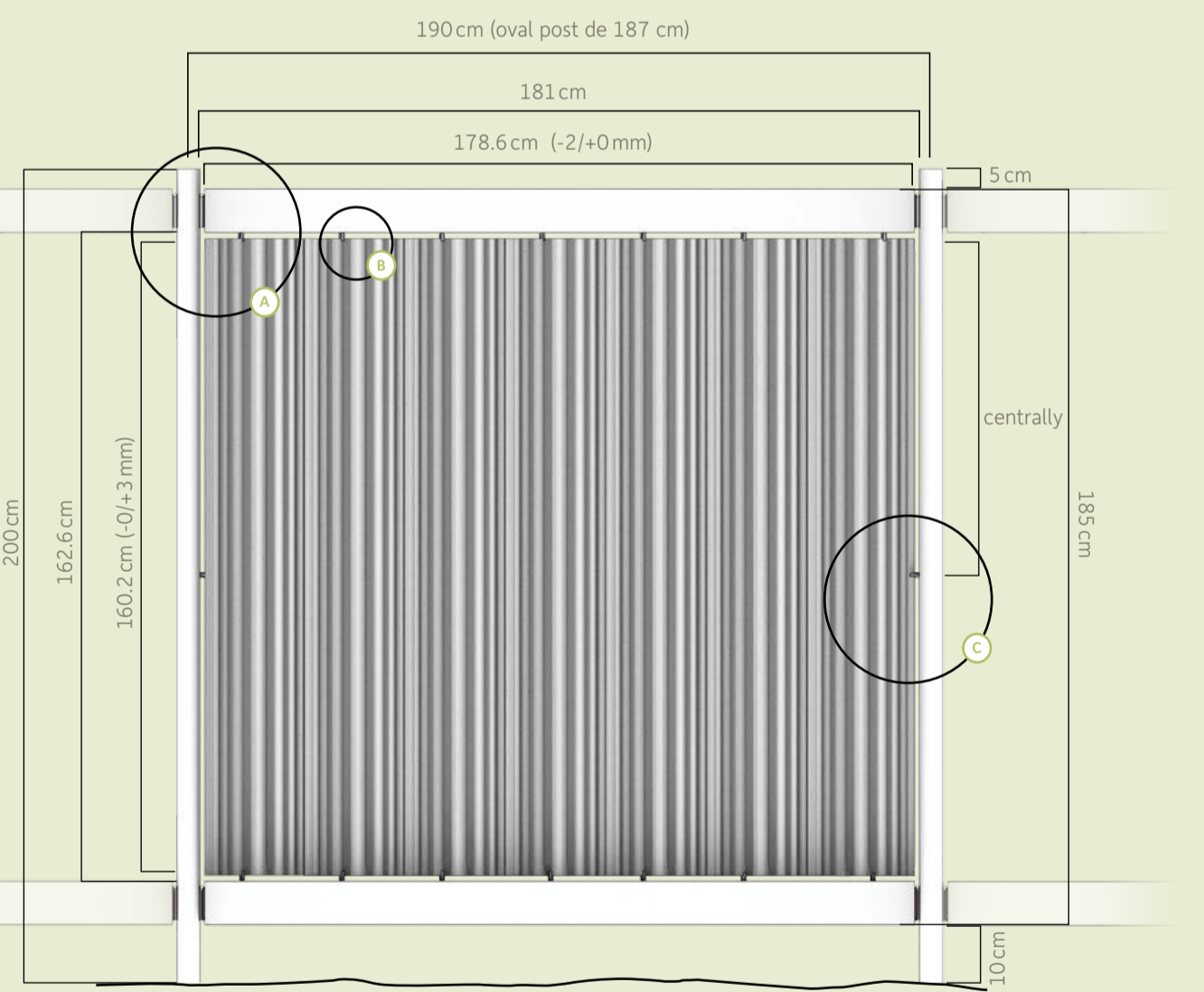


## Horizontal fence structure

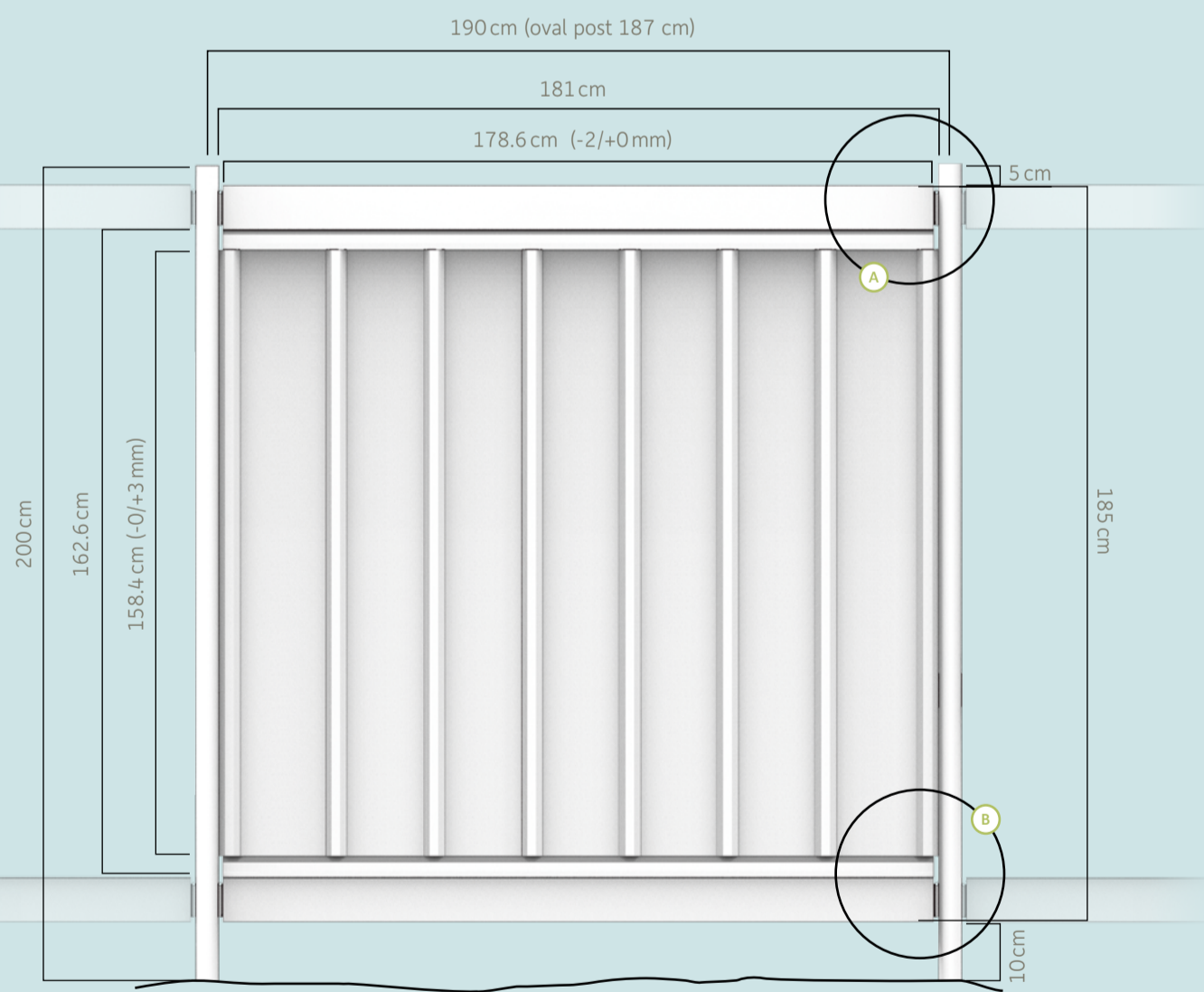


1. See "Frame construction" Figs. 1 to 6 for information concerning frame assembly.
2. Distribute a desired number of bars that are spaced equally and attach the appropriate number of bar connectors.
3. Start with the lower bar in order to ensure sufficient space to insert the following bars.

## Fence element Augusta

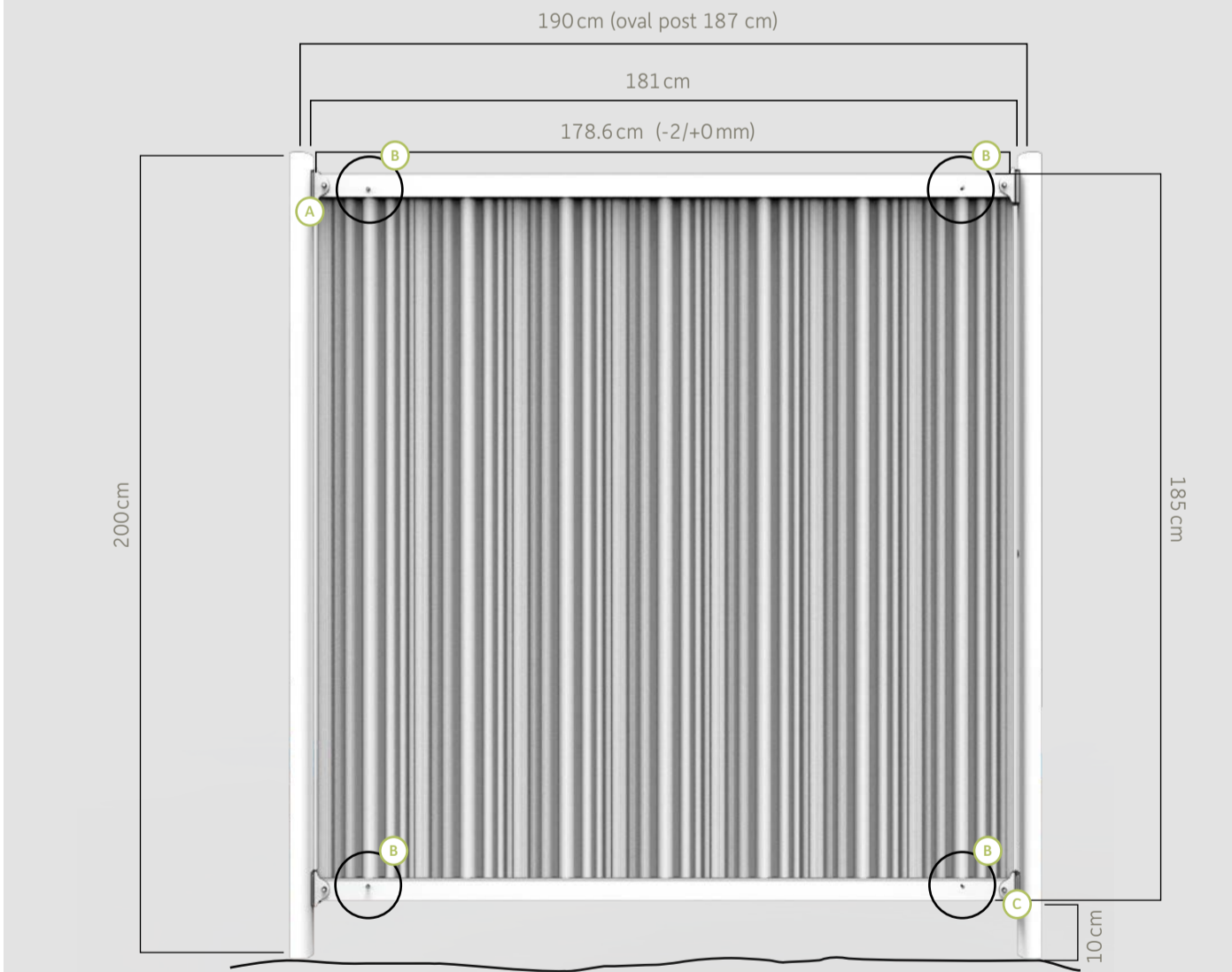


## Fence element Colonia



1. Smooth panel
2. H-Moulding
3. Internal hexagonal screw M4 x 40
4. Oval post 90 x 60 mm
5. Bar connectors

## Fence element Augusta with stainless steel bar



1. Screw
2. Cap nut
3. Threaded pin
4. Cap nut
5. Insert bar

## Fencing configurator

Construction drawings with precise dimensions (incl. cutting edges) can be created online in the fencing configurator.

