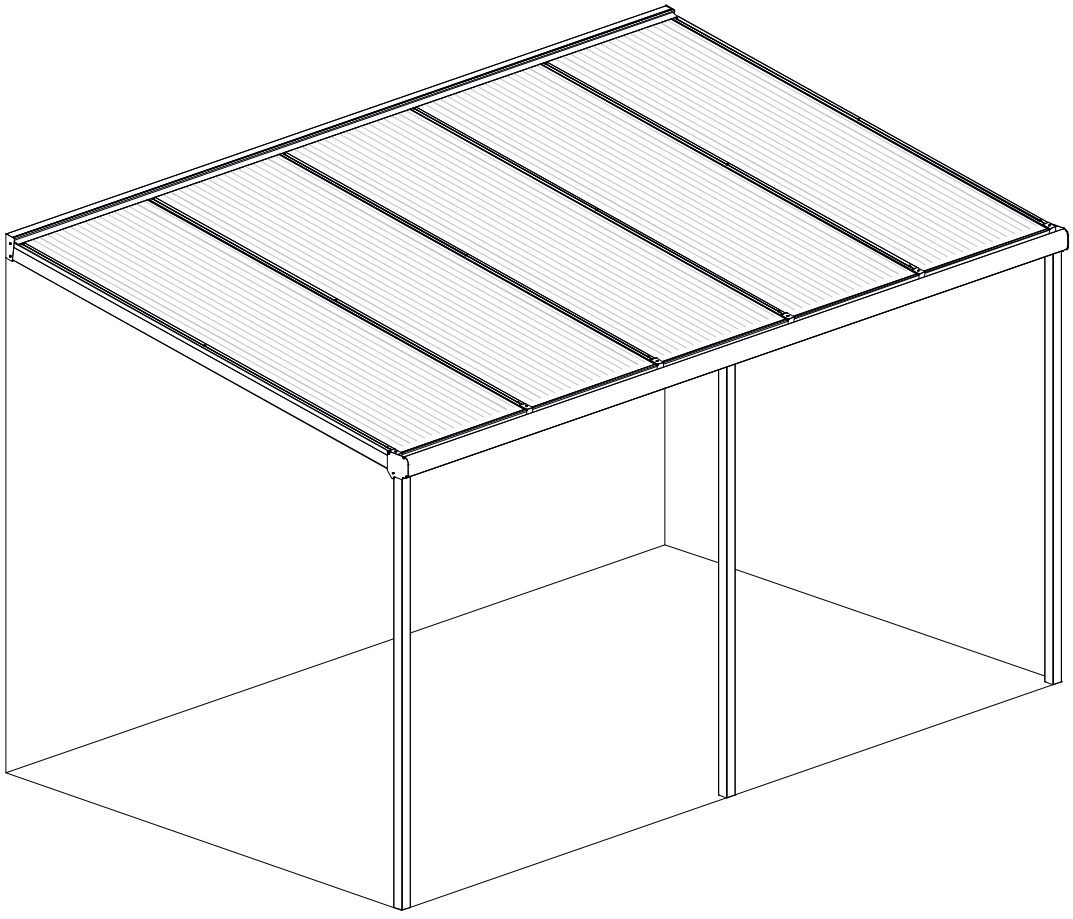
Assembly instructions

Version: February 2022

Passionate about building



the Sherwood

Contents

KEEP THIS MANUAL IN A SAFE PLACE FOR FUTURE USE!
We also refer you to our General Terms and Conditions of Sale and Delivery which are available on request. We accept no liability for any damage or injury resulting from a failure to carefully follow the instructions in this manual or exercise due caution during transport, assembly, use and maintenance of the canopy. As a result of our policy of continuous product improvement, certain product details may differ from what is described in this manual. For this reason the instructions provided only serve as a guideline for installation of the product this manual describes. This manual has been compiled with the utmost care, but we cannot be held responsible for any errors in this manual or the consequences thereof. Furthermore, all rights are reserved and no part of this manual may be reproduced in any way whatsoever.

1 Introduction

Congratulations on the purchase of your canopy!
Before you can start enjoying your canopy it must be assembled properly. This manual provides clear instructions for all the steps you must complete for correct assembly of your canopy. We recommend that you take the time to read the entire manual before you begin assembly. Check whether you have received all the necessary parts before you begin assembly. For your safety, follow all the applicable instructions. This also guarantees the safety of the installed roof. If you should have any questions, please feel free to contact us.

This manual should be kept in a safe, dry and shady place. In the event of damage or loss, the user should obtain another copy.

2. Safety precautions and warnings

Important:

Please read the safety precautions and warnings before assembling the canopy.

- During assembly, carefully follow the instructions and guidelines as described in this manual. Never change the order of the steps to be performed. If any aspect of the assembly procedure is unclear, please contact us. We reserve the right to make technical changes without written notice.
- We normally recommend that the canopy must be assembled by at least two people (qualified technicians/authorized installers) working together.
- Check the delivery immediately upon receipt. In the event of damage or an incomplete delivery please contact us immediately.
- The materials must be stored in a dry, ventilated area, not exposed to direct sunlight.
- Open the packaging carefully. Make sure that you do not damage the product.
- To prevent damage to your canopy, place the parts on a smooth, clean surface. Place the profiles on a flat surface, protected from sun and rain.
- Adding or removing parts, the use or installation of materials other than described in this manual, may adversely affect the safety of the canopy and is therefore strongly discouraged!
- Cordon off the assembly location so that others are kept at a safe distance.
- Always place a ladder on a firm, stable surface.
- Always wear the correct protective clothing (work gloves, dust mask, safety glasses, shoes with non-slip soles, etc.) during installation or servicing.
- Mount the system against a firm, flat wall and on a flat and stable foundation. Ensure that the wall and the ground are clean and dry.

2. Safety precautions and warnings

- **Never stand on the polycarbonate sheets.** The polycarbonate sheets are strong, but insufficiently resistant to point loads. Do not walk on them!
- Make sure all fasteners are properly tightened. Check this regularly.
- Make sure you have used sealant on the canopy so it is completely waterproof.
- You must maintain and clean your canopy at least once a year. During this yearly maintenance make sure all fasteners are properly tightened.
- Ensure that you consult a suitably qualified gas engineer if you are placing the canopy near or above a boiler flue point.

3. Product description

The aluminium canopy type Sherwood is composed of posts, gutter profile, wall profile, beams, polycarbonate roofing sheets, cover strips and the necessary assembly materials.

The Sherwood canopy is available as standard in widths of 4045, 5045 or 6045 as a single section. The roof can have a projection of 2500, 3000 or 3500mm.

Details

Colours	RAL9001 / RAL7024
Gutter	standard half-round
Posts	Square (65x65mm)
Roof covering	Polycarbonate (Opal/Clear/Ultra-clear/Solar control)
Width (mm)	4045/5045/6045
Projection (mm)	2500/3000/3500

A Sherwood canopy can be installed on any existing foundation or stone surface with each post being fixed to the ground using base plates which are then attached to the base of the posts.

Note: The type of fastener to be used for ground attachment depends on the type of surface (steel, concrete or wood). Which types of fasteners are to be used must be determined by the installer, so fasteners are not included.

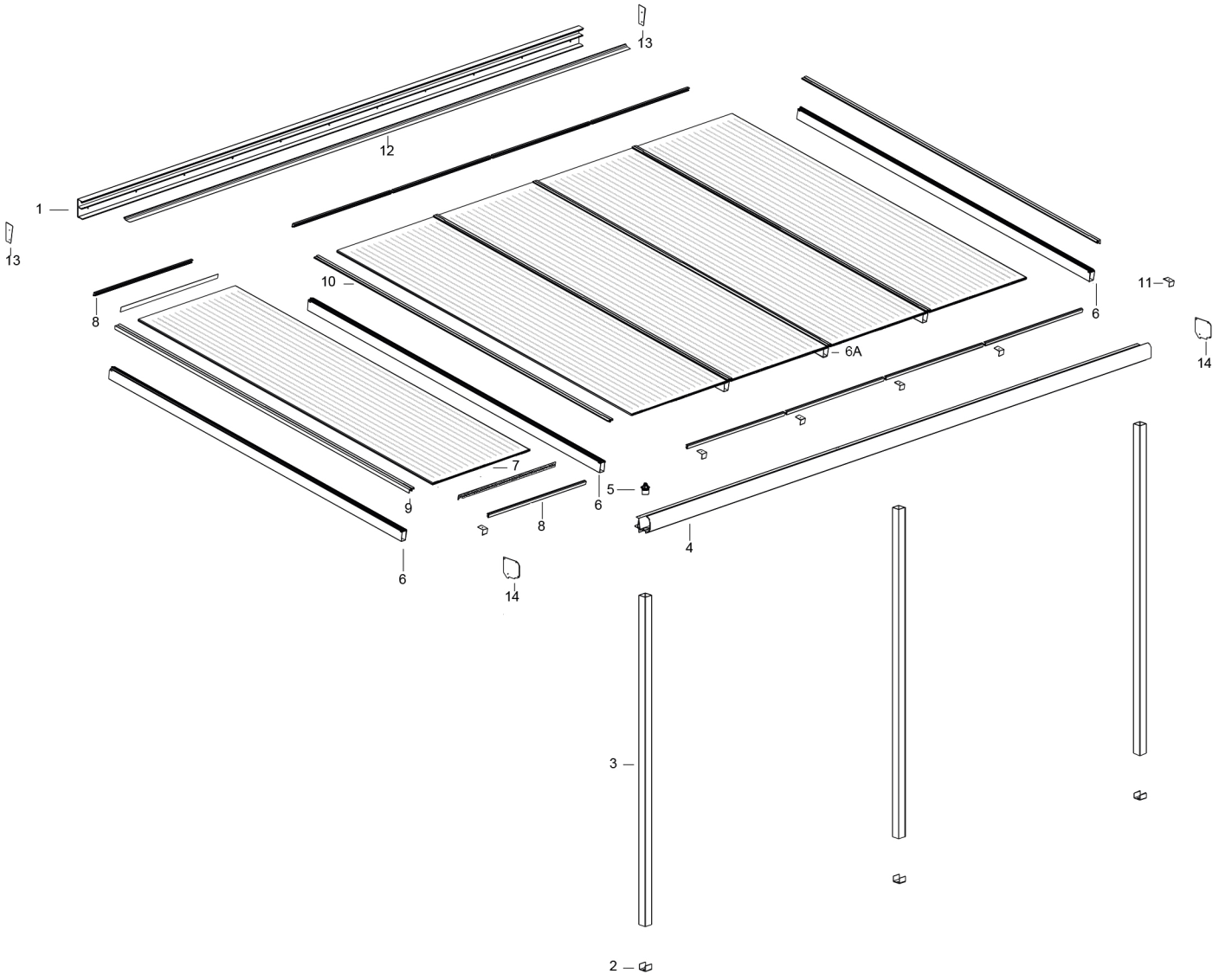
Rainwater discharge

There are two methods to discharge rainwater from the gutter of the Sherwood canopy. The first method is to simply drill one or more holes at the position where one or several of the posts meet the gutter. The post(s) then serve as rainwater discharge pipe and one or several holes can be drilled to the base of the post(s) to allow rainwater to escape.

The second & preferred method is to use the downpipe outlet. This is inserted into a hole in the gutter where you wish to fit a downpipe underneath, sealed to the bottom of the gutter and then a downpipe is fitted to the underside and led to a suitable drainage point. If a bracket can not be fixed within the first 300mm of the downpipe run then we recommend either gluing the downpipe to the underside of the outlet flange or fixing with a screw through the downpipe into the flange.

4. Parts Overview

4.1 Exploded view

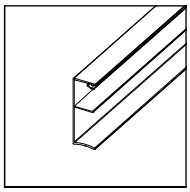


4.2 Delivery Inspection

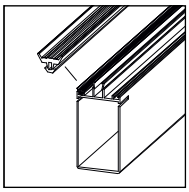
The canopy shown in this manual is a 5x3 metre Sherwood. This merely serves as an example. The type and number of components supplied depends on your order.

Note: Always carefully check the delivered items to ensure that the quantity and quality are correct. Any visible defects must be reported within 24 hours of delivery.

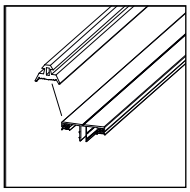
4.3 Parts list



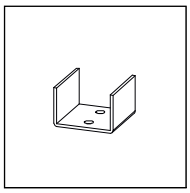
01. Wall profile



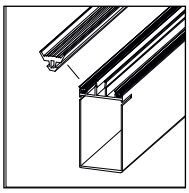
06. End rafter
1x sealing rubber



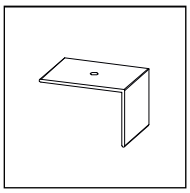
10. Top cover strip
2x sealing rubber



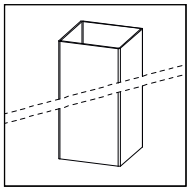
02. Base plate
(option)



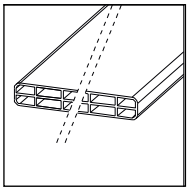
06A. Middle rafter
2x sealing rubber



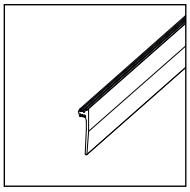
11. Sheet stopper



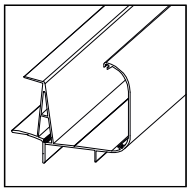
03. Post square



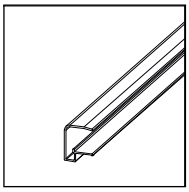
07. Polycarbonate
Sheet 980 mm



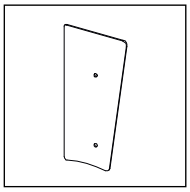
12. Wall profile
rubber



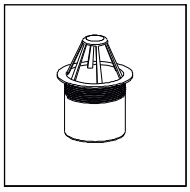
04. Gutter



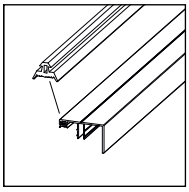
08. Condensation
profile



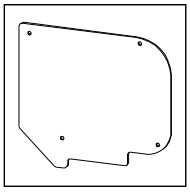
13. Side cover
wall profile



05. Leaf catcher
50mm

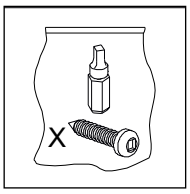


09. End cover strip
1x sealing rubber

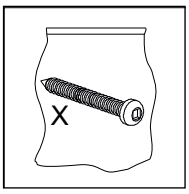


14. Side cover
gutter profile

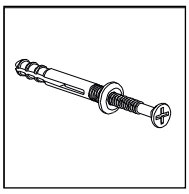
4.3 Parts list



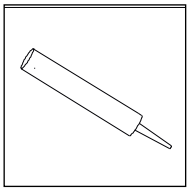
1x bag of screws
short 4.2x16 + bit



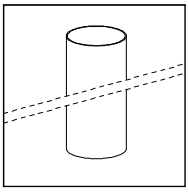
1x bag of screws
long 4.2x40



1x set frame fixing
screws



1x coloured
sealant



Rainwater discharge
pipe 60 mm

5. Preparation for assembly

5.1 Conditions for assembly

- **Note:** The optimal processing temperature for the sealant is +5 °C to +40 °C.

Ground & façade

- A good flat stable surface is required for construction of the canopy.
- The location where the roof will be placed must be construction-ready and free of obstacles (garden furniture, flower boxes, etc.) so installers can perform their work without hindrance.
- Any obstacles, including utility lines (such as power cables, etc.), roots and debris, must have been removed from the ground.
- The façade must be free of sun shades, etc.
- The place where the wall profile will be placed must be firm, even and flat.

Dimensions & slope

- The canopy should be installed with a slope of 15.7cm per metre. The height of the wall profile and the passage height (distance from bottom of gutter to the ground) are completely dependent on each other and determined by this slope.
- The maximum length of the roof is 4 metres. However, keep in mind the requirements concerning the maximum free span and number of posts.

Posts & joined canopies

- Maximum distance between the posts is 4 metres.
- When canopies are joined, a post is always placed under the coupling.
- Do not discharge rainwater through a post where gutters are joined above.

Attachments at walls

- Due to expansion of the materials, the canopy may not be placed tightly between two walls; there must be a gap of 1.5 mm per metre of width of the canopy.

Screws and drilling

- We supplies special 4.2x19 mm and 4.2x40 mm stainless steel screws with the canopy.
  Note: Pre-drill a hole for each screw with a 3 mm drill bit!
  If you continue to turn them after they are tight, the screw head may break off. It is recommended that you screw carefully, with the torque limiter on your drill set properly.

Sealant

- We supplies sealant - we would recommend using butyl sealing tape specially selected for the waterproof sealing of aluminium to aluminium or to most common construction materials, such as walls, concrete, etc. Follow the instructions on the tube.

- **Note:** This sealant is not suitable for sealing the polycarbonate sheets. If you need to seal your sheets, because you have a rainwater discharge (downspout) pipe run through it for example, we have special transparent sealant in our range.

5.1 Conditions for assembly

Rubber seals

- A canopy is equipped with rubber seals. Before installation, the rubber seals for both the aluminium cover strips and the beams must be cut to length.
- If the rubber seals are deformed, they can be straightened again with a little heat, from a hot air heater or hair dryer for example.

Remove protective film

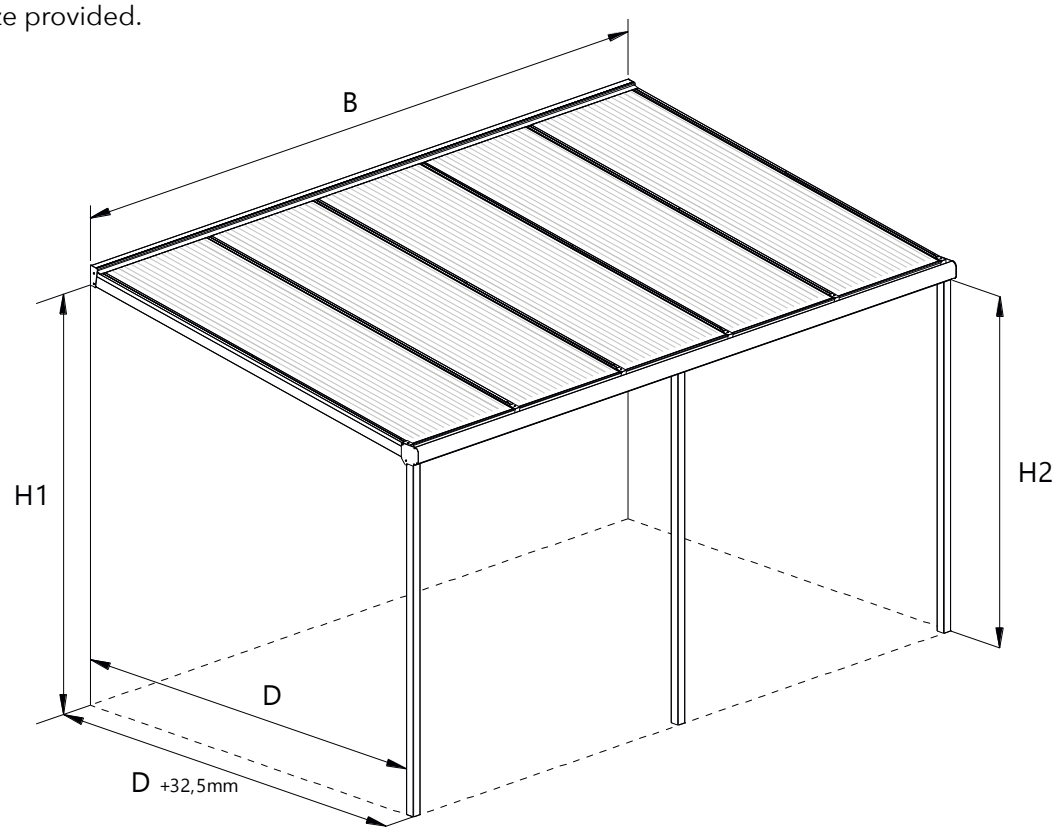
- It is recommended that the protective film be removed from the aluminium parts and the roofing sheets at the last possible moment, to prevent damage. When mounting the roofing sheets, however, the edges of the protective film must be pulled back a few centimetres towards the middle of the sheet so the film does not get stuck in the profiles; otherwise it will be difficult to remove later.

Warranty is void if the Sherwood canopy is not assembled and installed in accordance with the instructions.

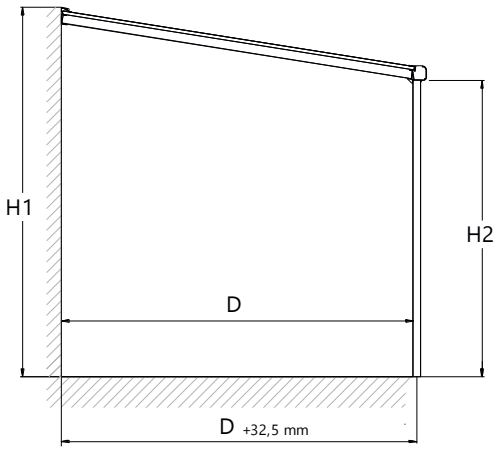
5.2 Measuring & determining dimensions

The canopy has a modular design and can be quickly and easily adapted to suit varied sizes. We recommend that such adjustments are carried out by an experienced professional to ensure that the structural integrity is not compromised and that the system maintains both weather resistance and suitable drainage.

The following details for determining dimensions will need to be reconfigured if you are not fitting in the standard size provided.



B:	Length of wall profile and gutter profile.
H1:	Height from ground to bottom of wall profile.
H2:	Height from ground to bottom of gutter profile (= passage height).
D:	Distance from back of wall profile to inside of post
D + 32,5 mm:	Distance from back of wall profile to centre of rainwater discharge



5.2.1 Height adjustments

A canopy is designed for a slope of 15.7cm per metre. All the static strength calculations, as well as all sizes and dimensions in this manual, are based on this.

The height of the wall profile and the passage height (distance from bottom of gutter to the ground) are completely dependent on each other and determined by this slope. However, these heights can be adjusted very easily while maintaining the slope.

If you are going to install your canopy based on the standard dimensions, you can use the dimension table below.

Projection	Beam length	Distance from back of wall profile to inside of post (D)	Height from ground to bottom of gutter profile (H2)	Height from ground to bottom of wall profile (H1)
2.5 metre	247 cm	244 cm	250 cm	288 cm
3 metre	297 cm	293cm	250cm	296cm
3.5metre	347cm	343cm	250cm	304cm

If you choose to place the wall profile lower or make the passage height of the gutter lower, you must:

Subtract the same number of centimetres from both of these measurements. So if your wall profile is mounted 30 cm lower, you must also shorten your posts by 30 cm.

If you want to reduce the passage height, you can easily shorten the length of the posts by making a square cut. However, you must then also mount the wall profile the same distance lower on the wall. The same applies if you decide to mount the wall profile lower on the wall.

Calculation example 1: You have a roof with a length of 300 cm and you want to reduce the standard passage height from 250 cm to 220 cm. You therefore shorten your posts by 30 cm or you place the posts 30 cm in the ground, so the bottom of your gutter is at a height of 220 cm. Your wall profile must therefore be lowered by 30 cm, which means that the bottom of the wall profile must be placed at 296 cm - 30 cm = 266 cm.

5.2.2 canopy projection

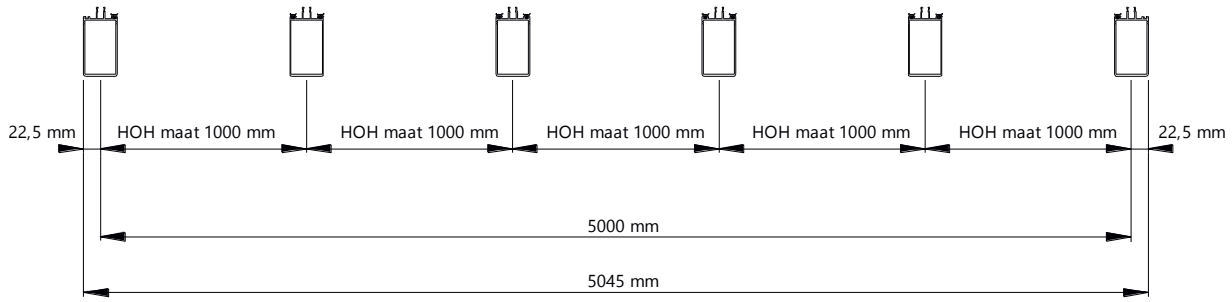
The basic dimensions of the canopy are approximate. The exact dimensions from the rear of the wall profile to the inside of the upright can be found in the table above. Example: A 3 metre projection canopy is not exactly 3 metres. Check the table above for exact sizes in centimetres.

5.2.3 canopy width

The Sherwood range of canopies can be delivered in three standard widths.

The gutter profile and wall profile are supplied in multiple lengths of 4045, 5045 or 6045 mm.

The centre-to-centre distance between roof beams is 1000 mm (1 metre). A roof with five one-metre sections has a total width of 5045 mm. The extra 45 mm is the distance from the centre of the beam to the outside of the beam, which is 22.5 mm; this extra width is at both ends, for a total of 45 mm.



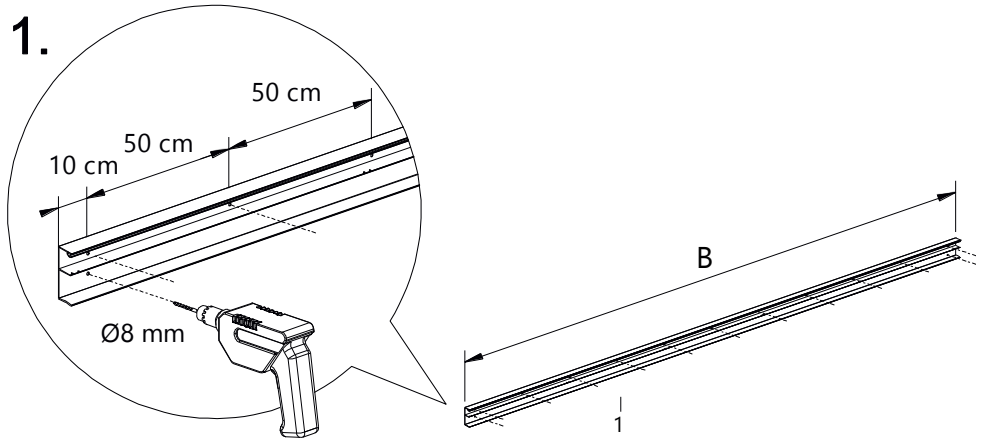
When standard size sheets are used, the total width of the roof must therefore also end with 45 mm, e.g. 4045, 5045 or 6045 mm.

6. Assembly

6.1 Mounting the wall profile

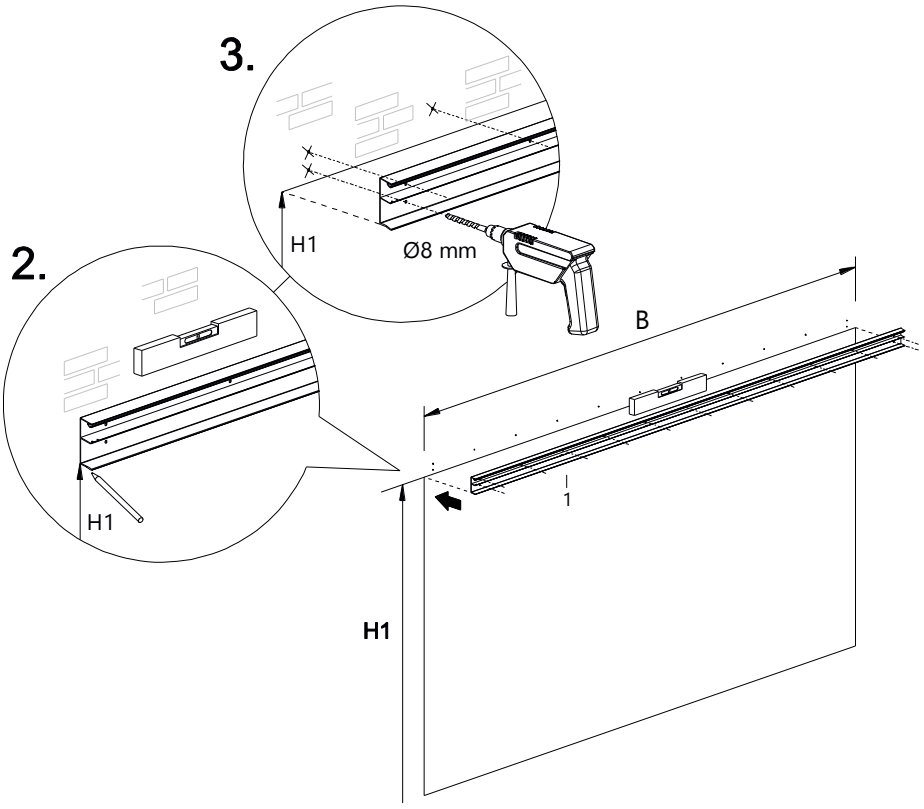
If the wall profile does not need to be shortened, you can mount it straight away. Otherwise you must first cut the wall profile to the desired length. Do not place the supplied rubber strip in the wall profile yet; this rubber strip is fitted after mounting.

1. Drill holes in the wall profile at 50 cm intervals. Begin approximately 10 cm from one end and finish approximately 10 cm from the other end. Use a metal drill bit with a diameter of 8 mm.



2. Now mark the wall with a line to indicate where the bottom of the wall profile should be. Place the wall profile on the line and then mark the holes that you pre-drilled in your wall profile.

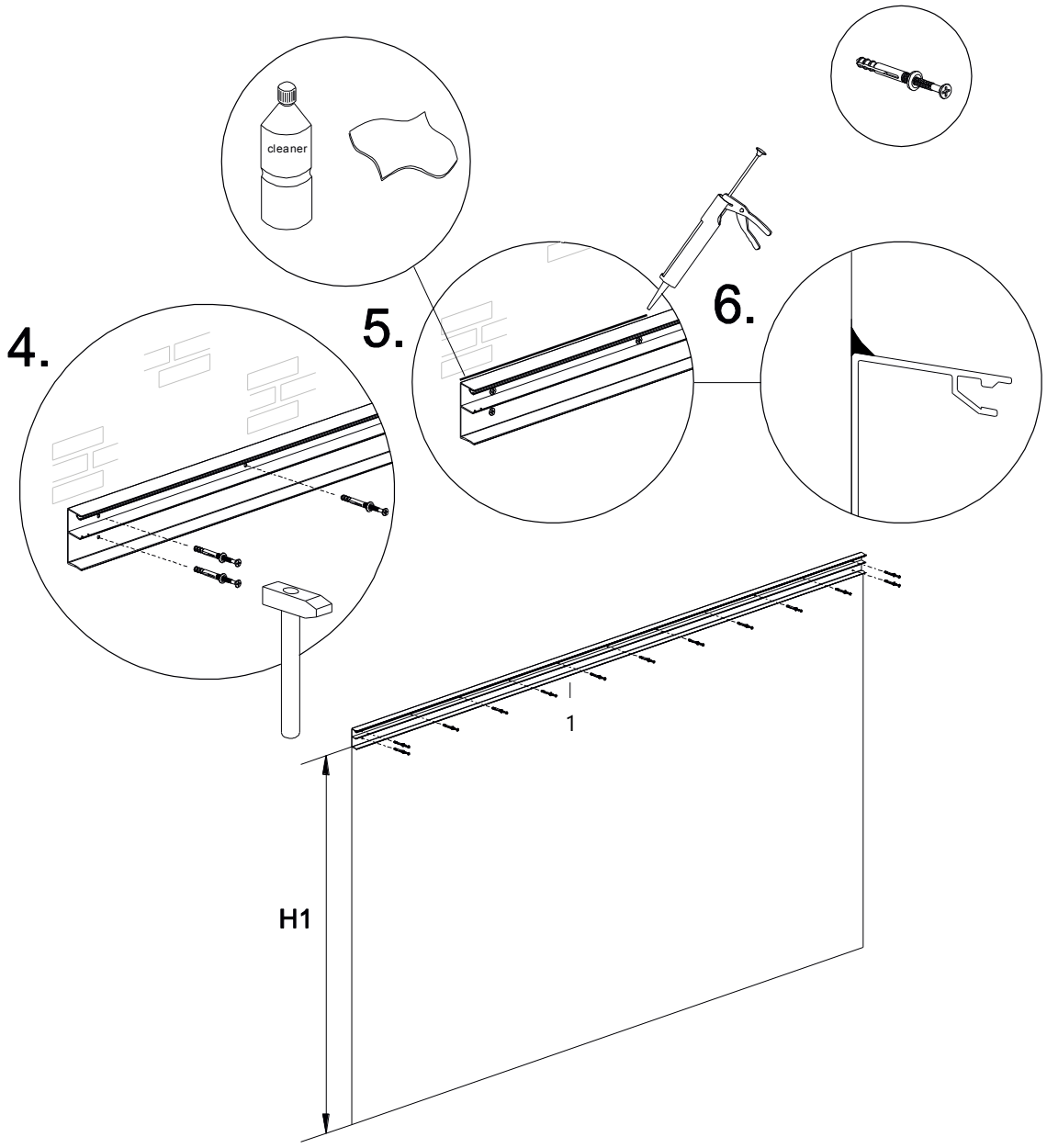
3. Now use a concrete drill bit with a diameter of 8 mm to drill the holes. Make sure the wall profile is level.



4. Fasten the wall profile with the supplied frame fixing screws (these should only be used if appropriate for the wall material).

5. Degrease the top edge of the wall profile along the wall using a suitable frame cleaner.

6. Apply sealant to the top edge of the wall profile (between the wall and the wall profile) to make a good seal. Strike off the sealant to make it smooth and waterproof.



6.2 Pre-installing the gutter, posts and end beams

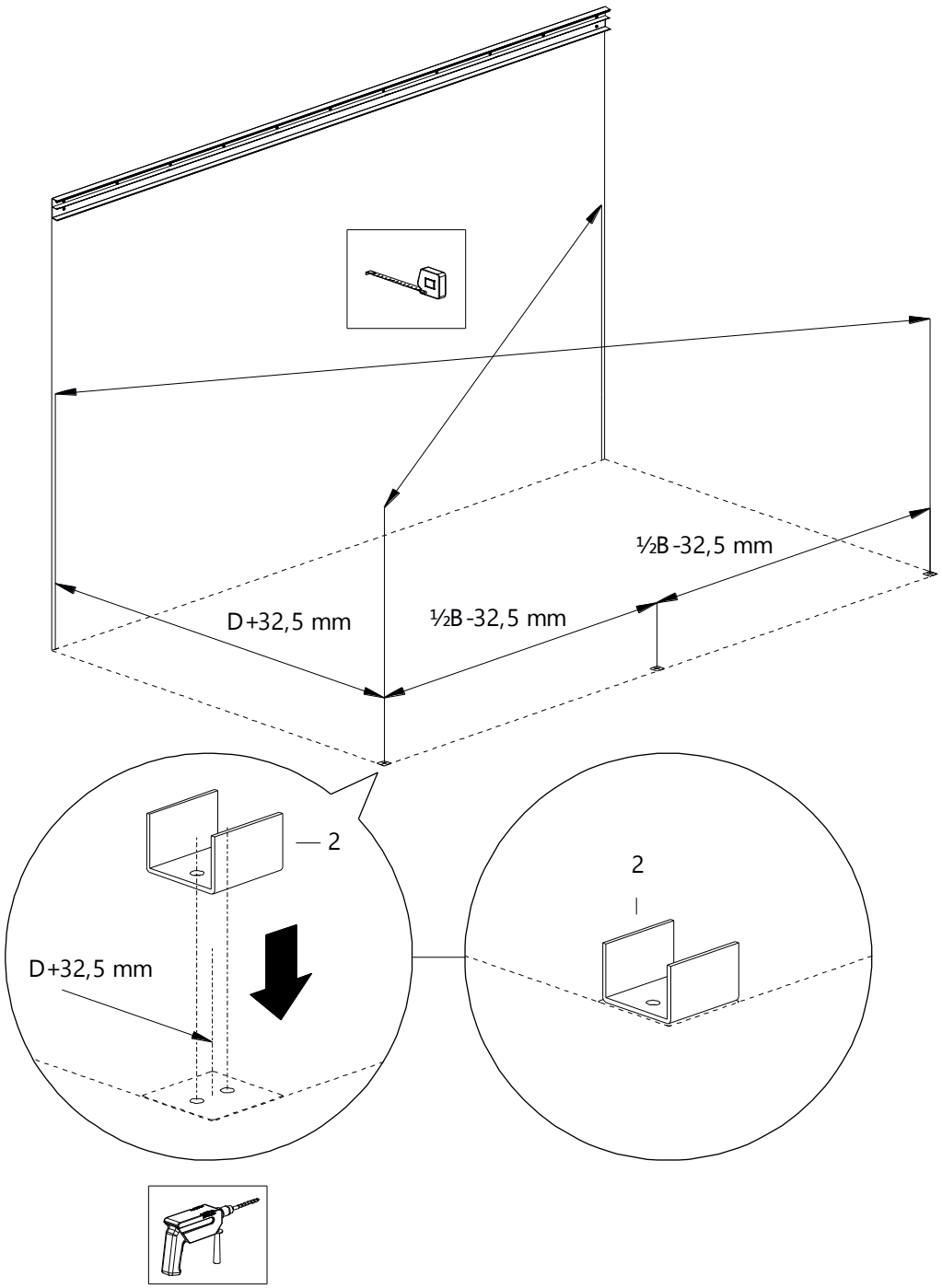
6.2.1 Installing posts

Determine the positions of the posts on the ground.

Now mark a line on the ground to indicate the centre point of the posts, at a distance of L + 32.5 mm from the rear of the wall profile.

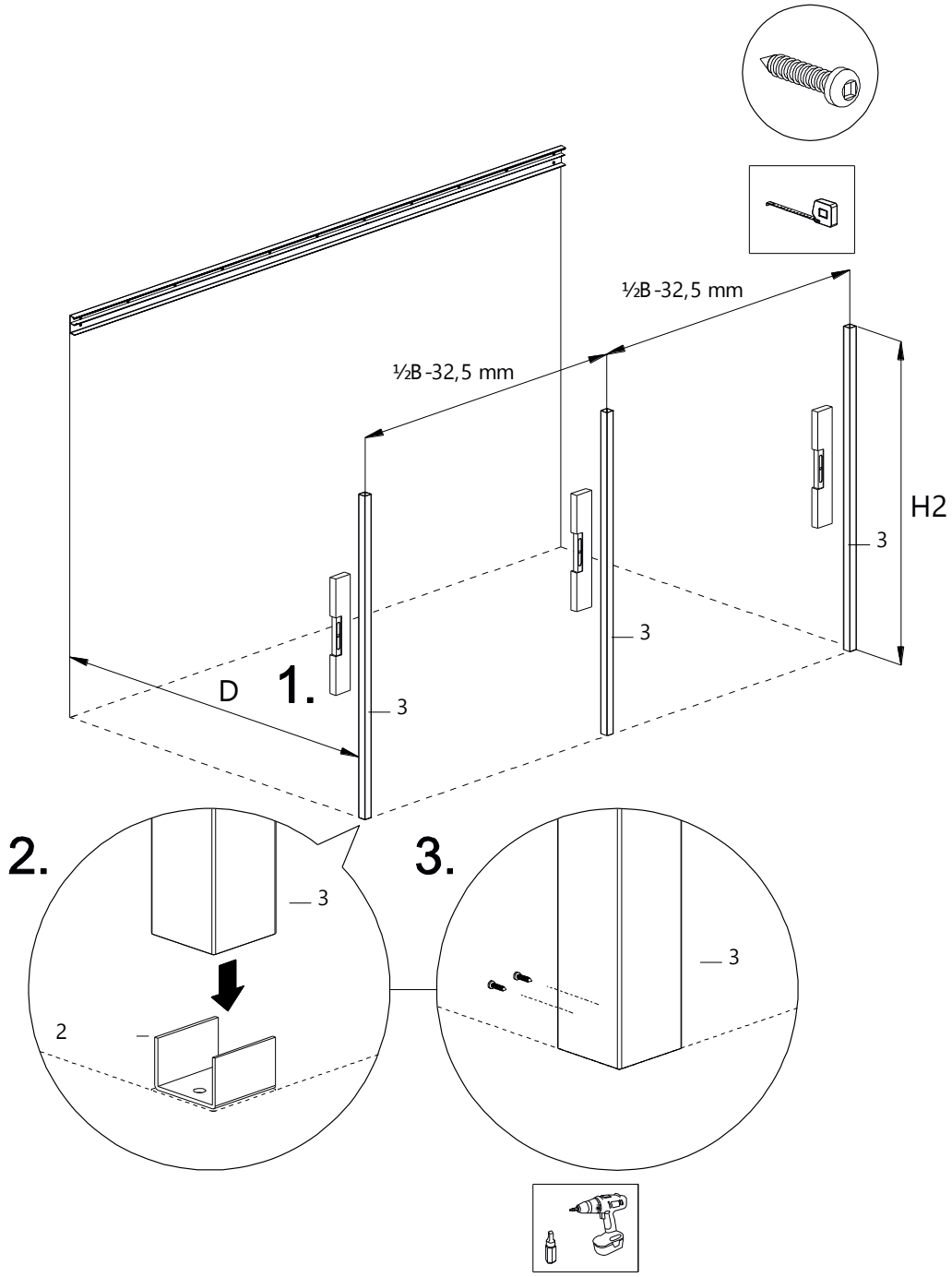
If you are using the recommended base plates, position these at the centre of the posts. Make sure that the base plates are positioned perfectly square and level.

Now drill holes in the ground and attach the base plates with two suitable ground screws.



1. Place the posts at the marked positions on the ground.
2.Place the posts over the (U-shaped) floor plates. Make sure the posts are level.
3. Attach the posts to the floor plates with two screws - pre drilling 3mm holes and using 16mm screws.
Note: Place the screws on the back side of the posts so they are out of sight.

Option: Rainwater discharge
If intending to discharge rainwater inside a post then drill a suitable hole or holes at the bottom of the relevant post(s) to allow rainwater to escape.



6.2.2 Pre-drilling the gutter

If the standard gutter length is correct, you can pre-drill and install it straight away. If not, you must first cut the gutter profile to the desired length.

Pre-drilling hole(s) in the gutter profile for rainwater discharge

The rainwater discharge can be easily achieved by drilling one or more holes in the gutter at the position where the post meets the gutter. The post then serves as rainwater discharge pipe.

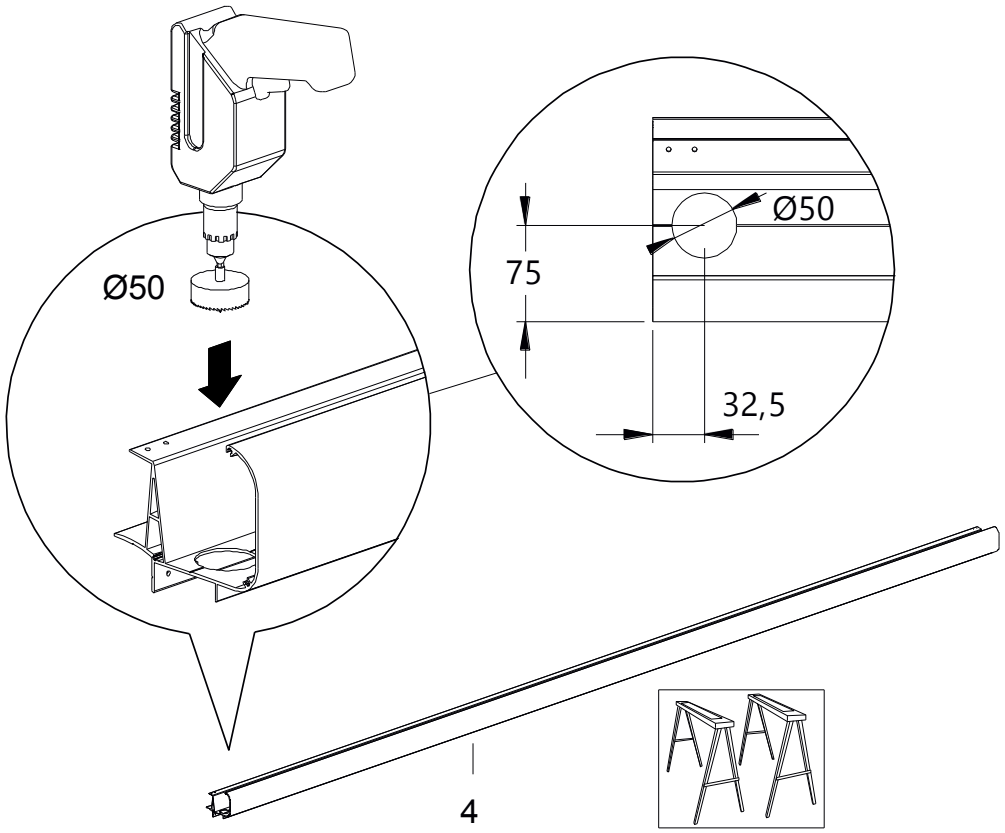
The recommended method of discharge is to use a downpipe outlet and connect into the nearest suitable rainwater drainage point at the property. The downpipe outlet is inserted into a suitable hole in the gutter where you wish to fit a downpipe underneath, sealed to the bottom of the gutter and then a downpipe is fitted to the underside and led to a suitable drainage point. If a bracket cannot be fixed within the first 300mm of the downpipe run then we recommend either gluing the downpipe to the underside of the outlet flange or fixing with a screw through the downpipe into the flange.

1. Place the gutter flat and firm on a table or sawhorses.

2. Determine where the rainwater discharge post(s) or downpipe outlet will be located. Mark the position and dimensions of the hole(s) in the gutter.

3. Carefully drill the hole(s) in the gutter with a hole saw

4. If using the downpipe outlet then apply sealant to the underside and fit into the hole in the gutter so a seal is made and the flange protrudes below the bottom of the gutter to be inserted into a downpipe

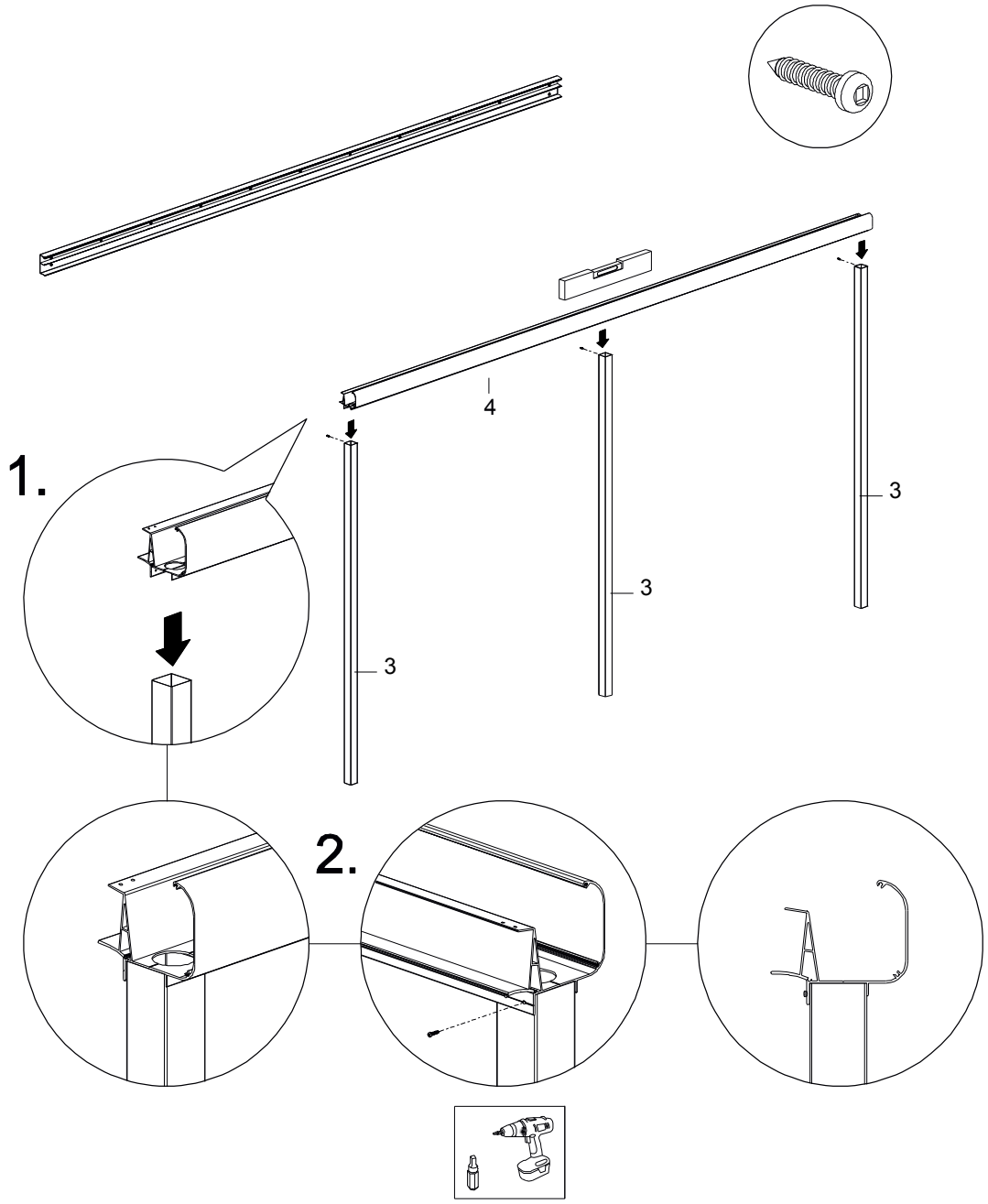


6.2.3 Installing the gutter

1. Now place the gutter profile on the posts.

2. Screw the posts to the gutter with one short screw through the lower lip of the gutter profile and into the post. This way you can adjust the position of the gutter later, if necessary.

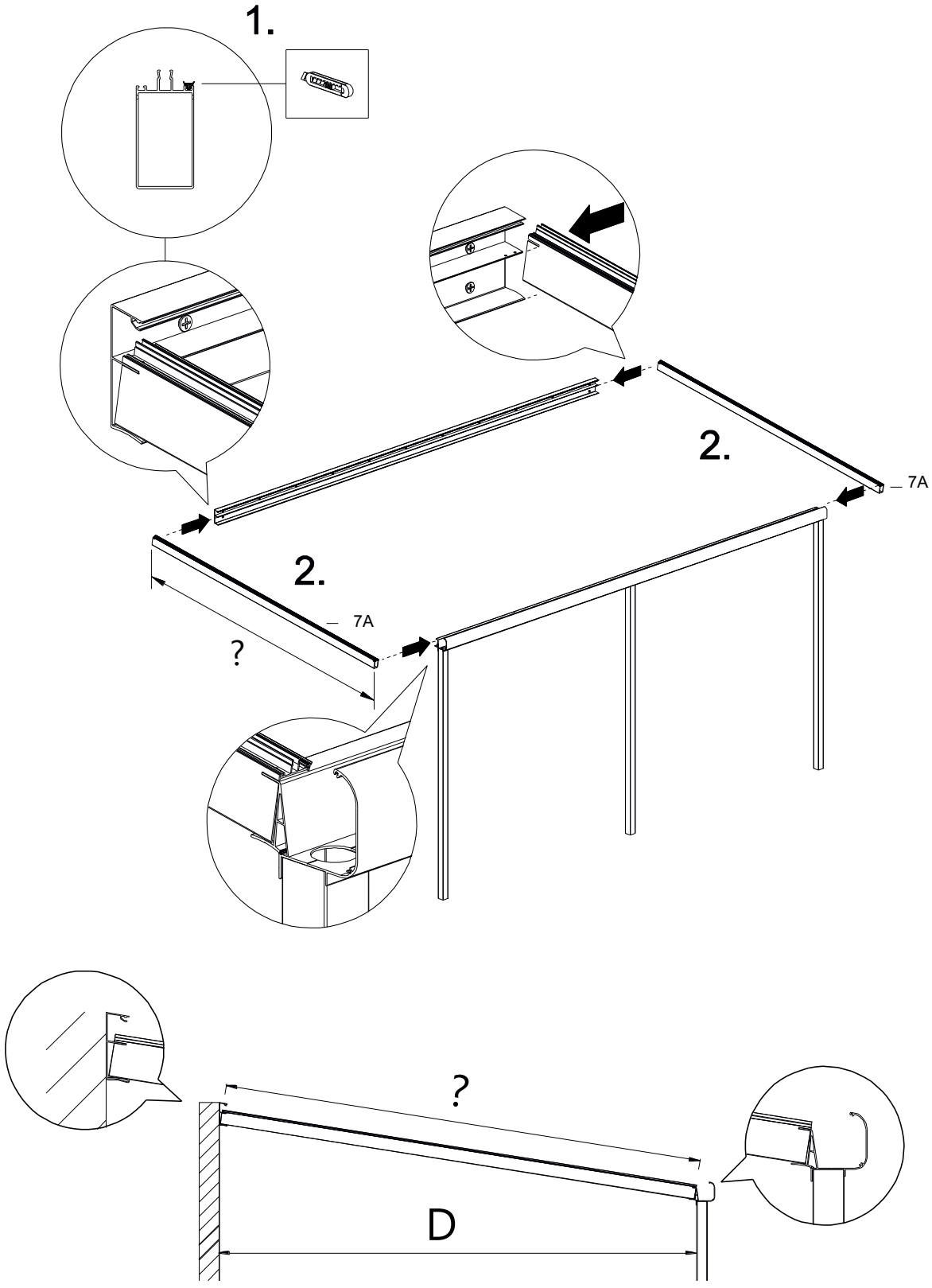
Note: ultimately the posts will be secured with two screws. The first screw should not be placed in the middle of the post but rather approximately a third of the way in from the edge.



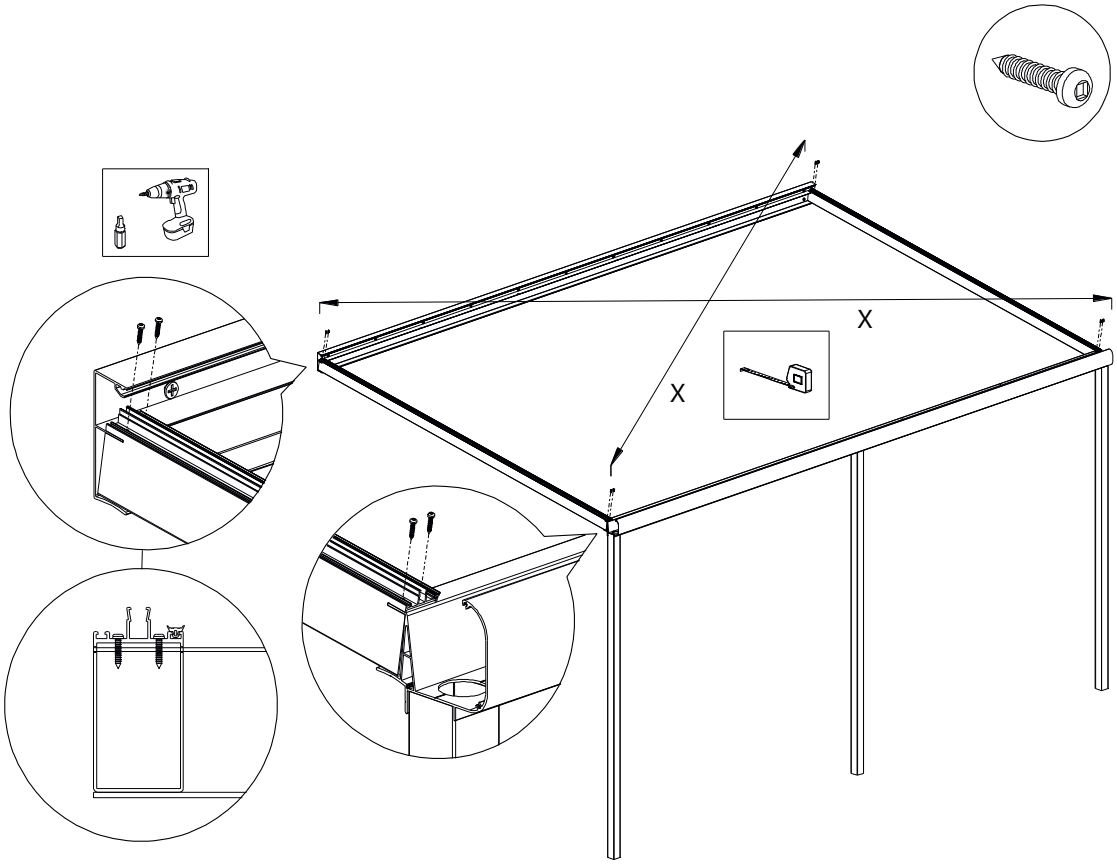
6.2.4 Installing the end beams

1. Carefully cut the pre-fitted rubber seals in the end beams to size.

2. Place the left and right end beams in both the gutter profile and the wall profile, one by one. Make sure that the outer edges of the end beams are flush with the ends of the gutter profile and wall profile.



Screw the end beams to both the gutter profile and wall profile from the top with one short screw per end. Make sure the roof is completely square. Secure the end beams with the second screw.



6.3 Installing the middle beams

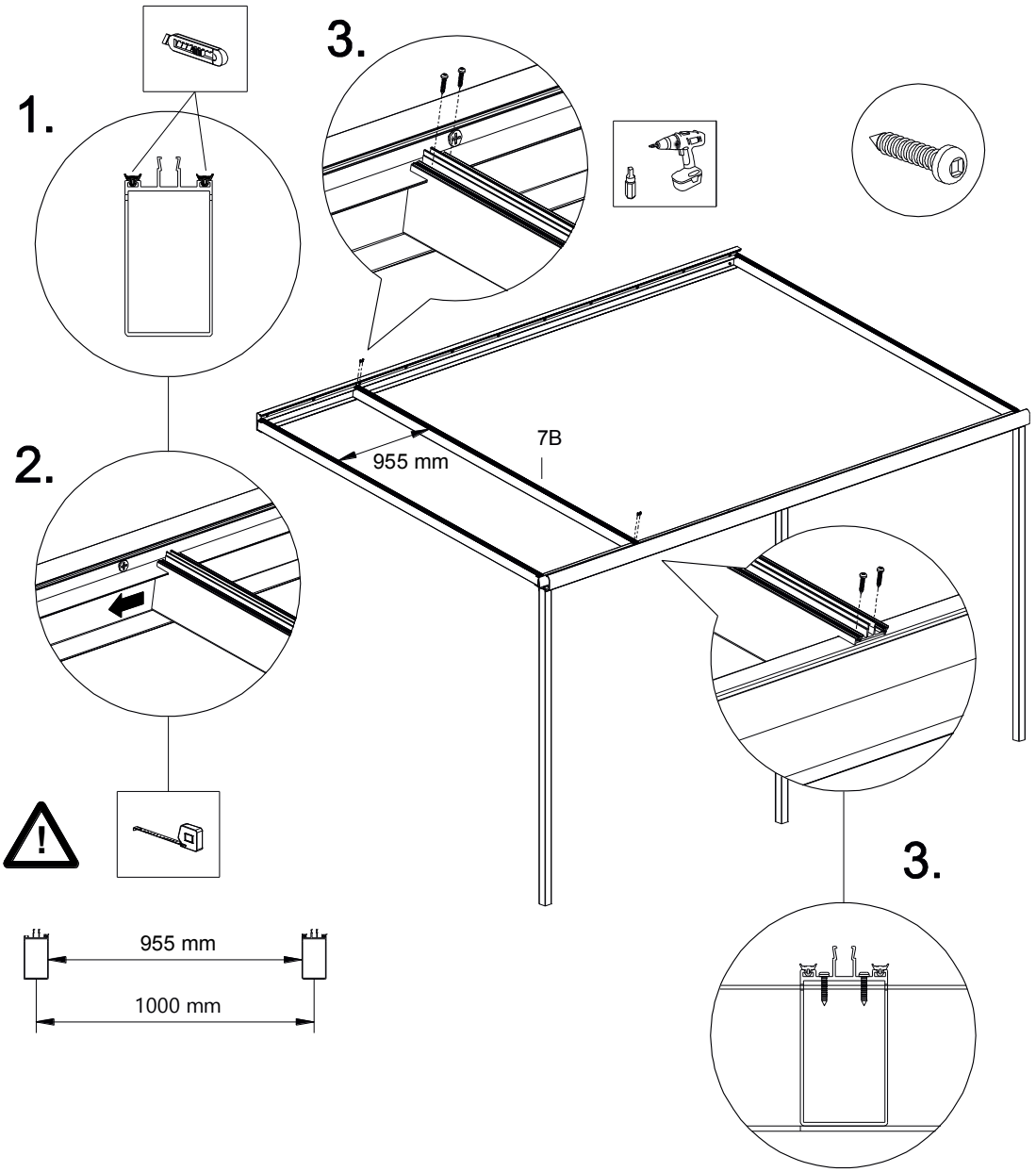
Note: If you are installing optional LED lights then we recommend performing the installation before fitting the middle beams as the main cables can all be ran in place at this stage, holes cut in the beams and then as each beam is installed the lights can be fitted and cables connected.

The standard roof sheet width is 98 cm, so the middle beams will be spaced exactly 100 cm centre to centre.

1. Carefully cut the pre-fitted rubber seals in the middle beams to size.

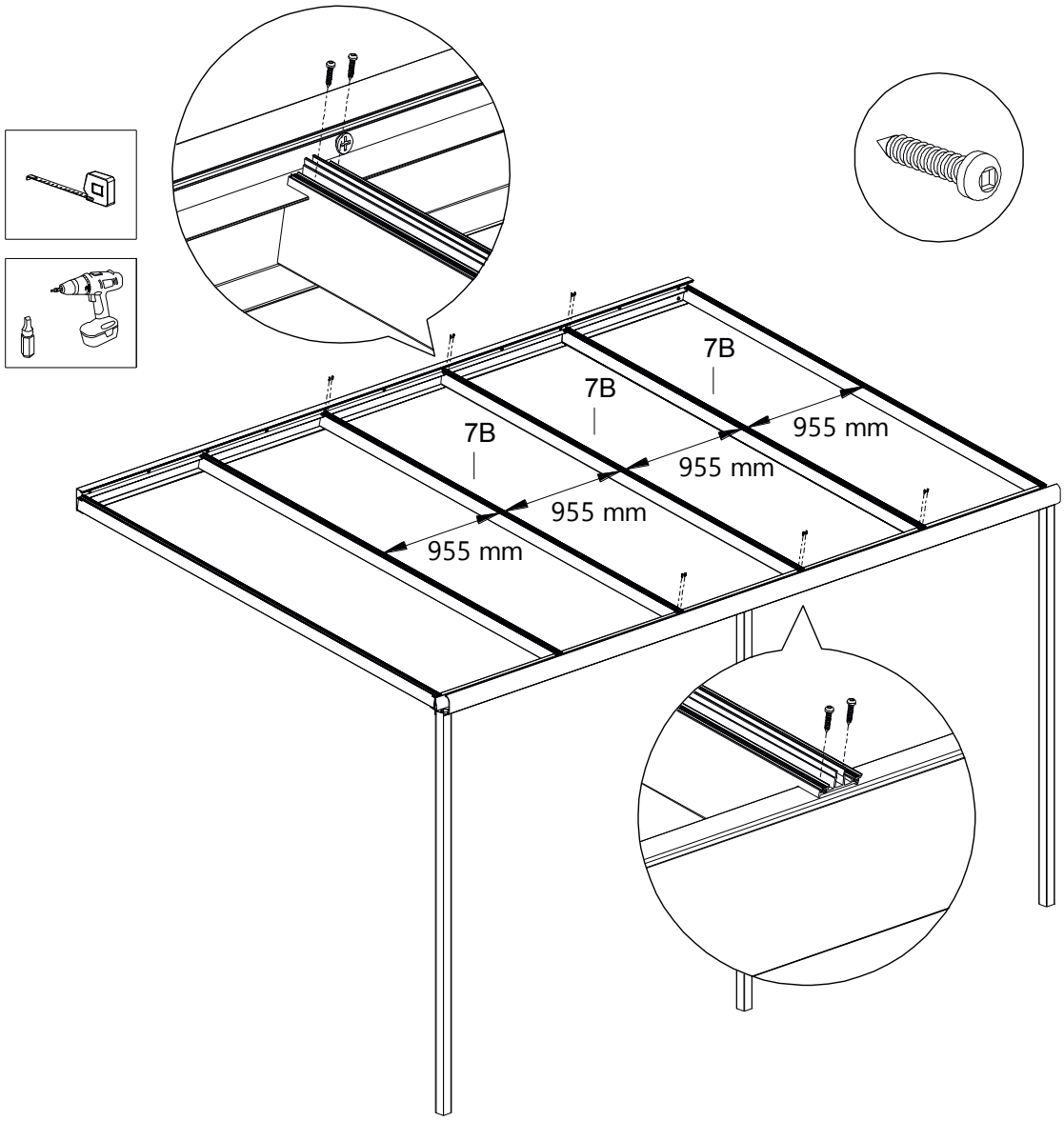
2. Place the first middle beam in the wall profile and gutter profile at the desired distance.

3. Screw the middle beam to both the gutter profile and wall profile with 2 short screws.



4. Then place the remaining middle beams in the wall profile and gutter profile at the desired distance.

5. Screw the middle beams to both the gutter profile and wall profile with two short screws.



6.4 Preparing and installing the roofing sheets

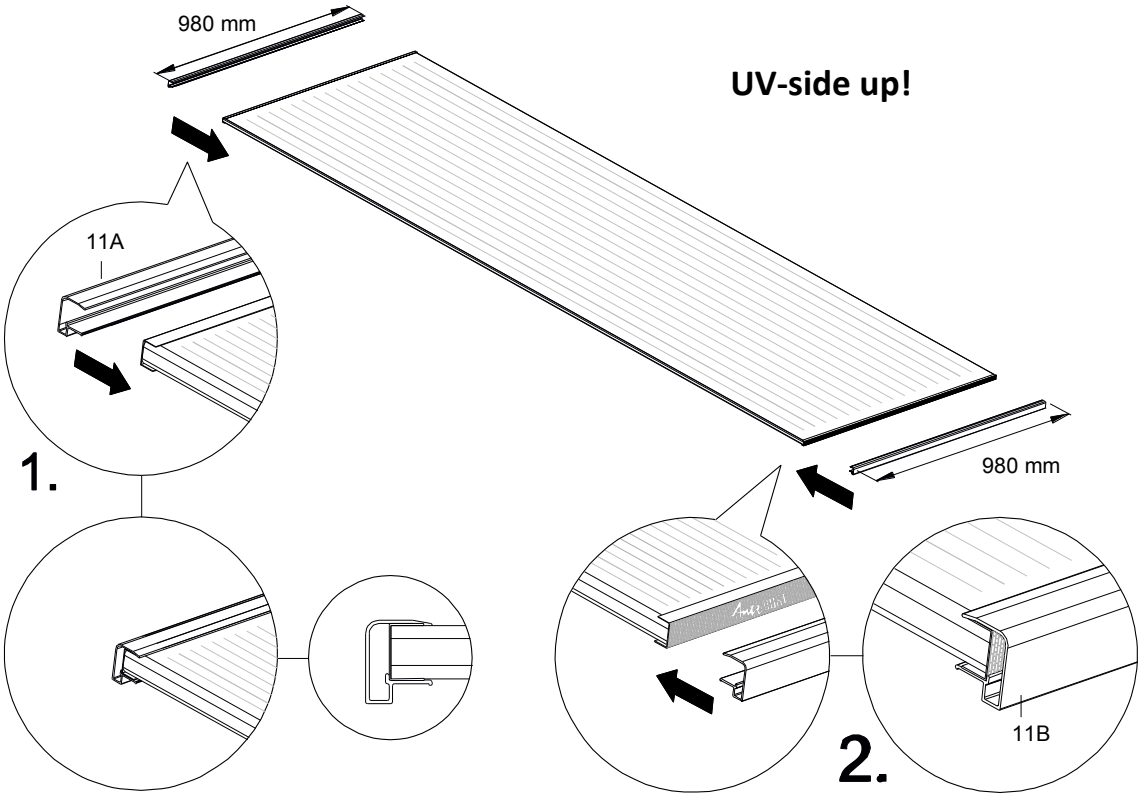
If you want to trim the width of the sheets, we recommend trimming off full 'chambers' whenever possible so the edges remain sealed. The roofing sheets have a top and a bottom. The UV side must face up. This is indicated with a protective film on the sheets. Always place the correct side up. If cutting the length of the sheets then cut off the bottom (perforated tape end), clean out any shavings and apply fresh anti-dust tape.

If cutting the length of the sheets then cut off the bottom (perforated tape end), clean out any shavings and apply fresh anti-dust tape.

1. Place the condensation profiles (no. 11A) at the wall end of the roofing sheets, where the non-perforated anti-dust tape is located. Note: The tab of the profile must be on the bottom of the sheet.

2. Place the condensation profiles (no. 11B) at the gutter end of the roofing sheets, where the perforated anti-dust tape is located.

These condensation profiles have pre-drilled holes for drainage of the condensation water.



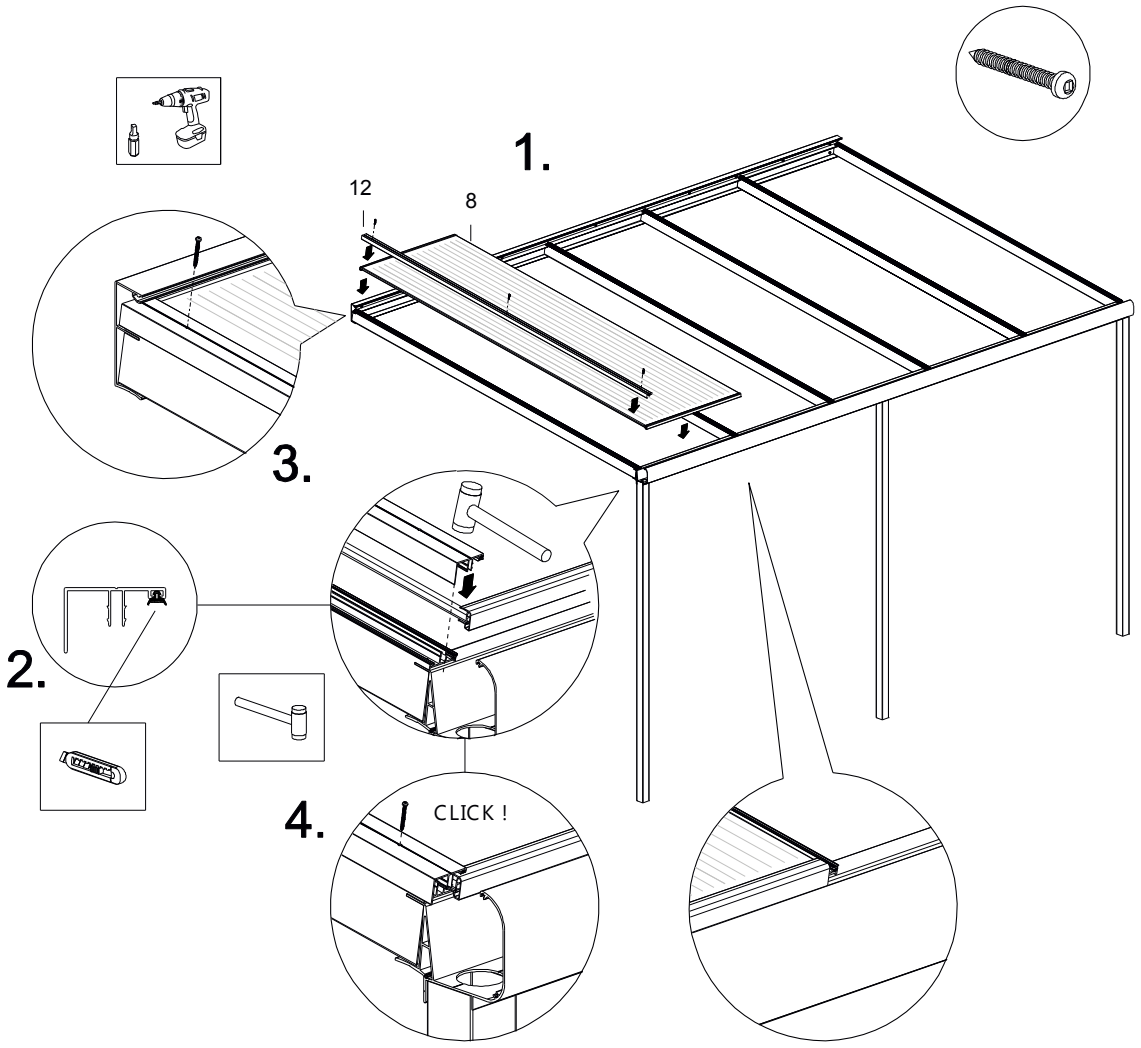
3. Place the first roofing sheet between the beams. **Note:** UV side up, the condensation profile (no. 11B) with the tab down and on the gutter side. The roofing sheets are 300 cm long and the beams are 298 cm long. Place the roofing sheet on the beams so it sticks out 1 cm on each side.

4. Carefully cut the pre-fitted rubber seals in the aluminium end cover strip to size.

5. Pre-drill the end cover strip with a 3 mm drill bit (1 top – 1 bottom – 1 middle).

Fit the end cover strip. Place the cover strip on the beam so it sticks out 1 cm at each end. This allows the cover strip to fit a bit under the wall profile at the wall end for extra anchoring. Once the strip is positioned correctly, click the trim click strip into the end beam (use a rubber mallet).

6. Now screw the end cover strip to three points on the end beam with long stainless steel screws (1 top – 1 bottom – 1 middle).

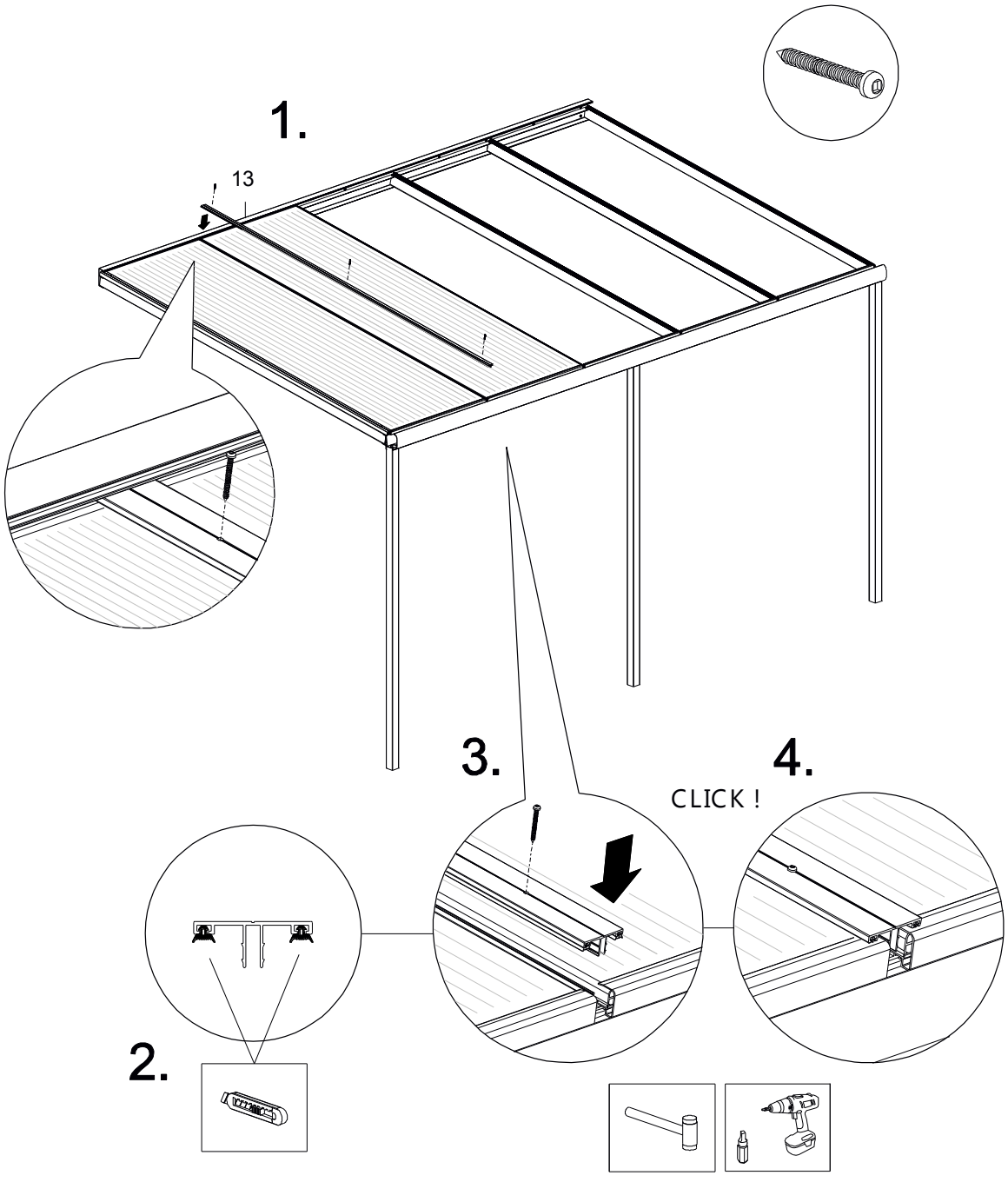


1. Place the second roofing sheet between the beams. **Note:** UV side up, the condensation profile (no. 11B) with the tab down and on the gutter side.
Place the roofing sheets on the beams so they stick out 1 cm on each side.

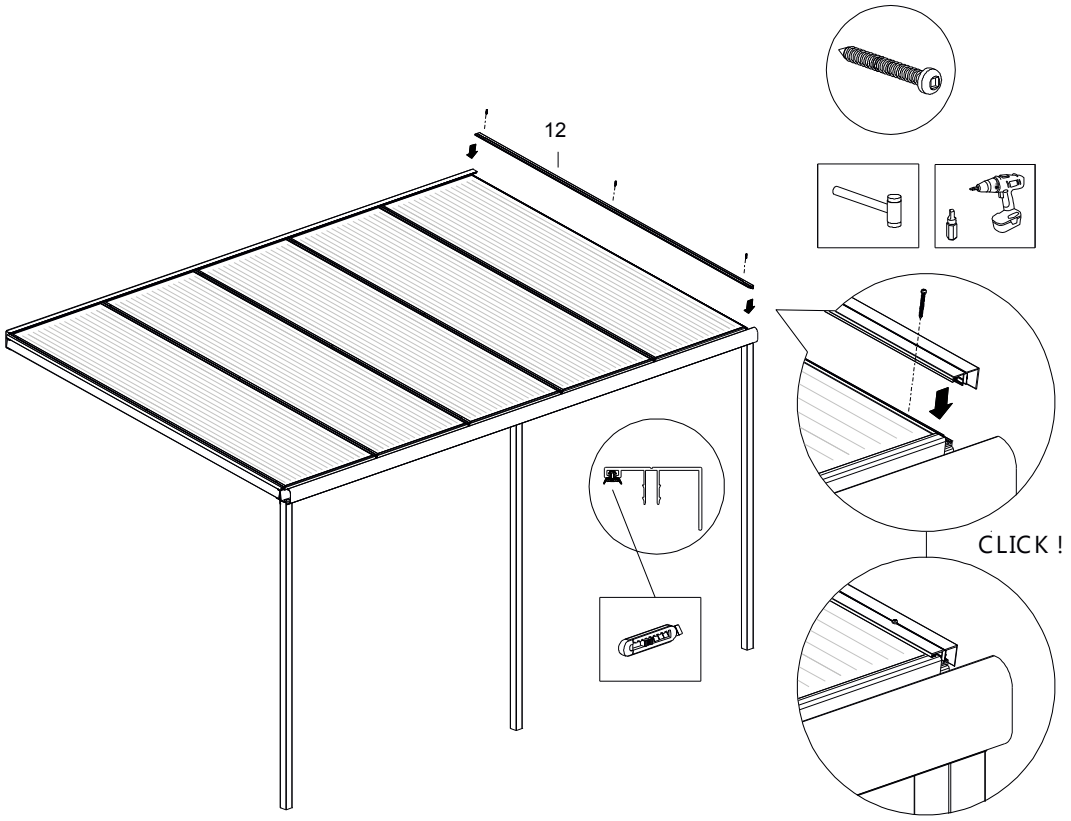
2. Carefully cut the pre-fitted rubber seals in the aluminium middle cover strip to size.

3. Pre-drill the middle cover strip with a 3 mm drill bit (1 top – 1 bottom – 1 middle). Fit the middle cover strip. Place the middle cover strip on the beam so it sticks out 1 cm at each end. This allows the cover strip to fit a bit under the wall profile at the wall end for extra anchoring. Once the strip is positioned correctly, click the trim click strip into the middle beam (use a rubber mallet).

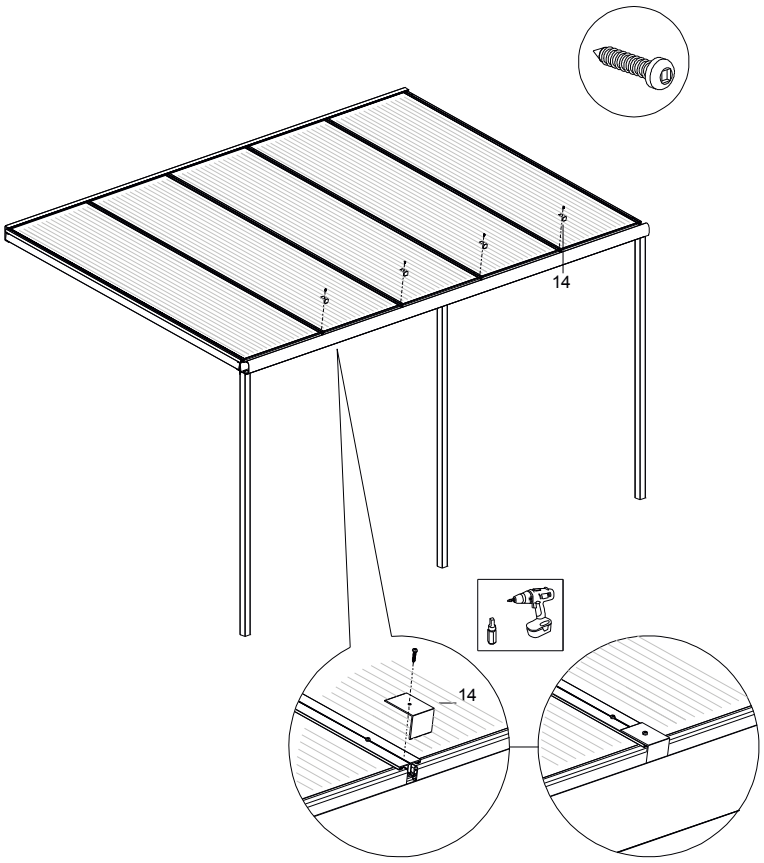
4. Now screw the middle cover strip to three points on the middle beam with long stainless steel screws (1 top – 1 bottom – 1 middle).



5. Repeat steps 1 to 4 on pages 26 & 27 for installation of the other cover strips.



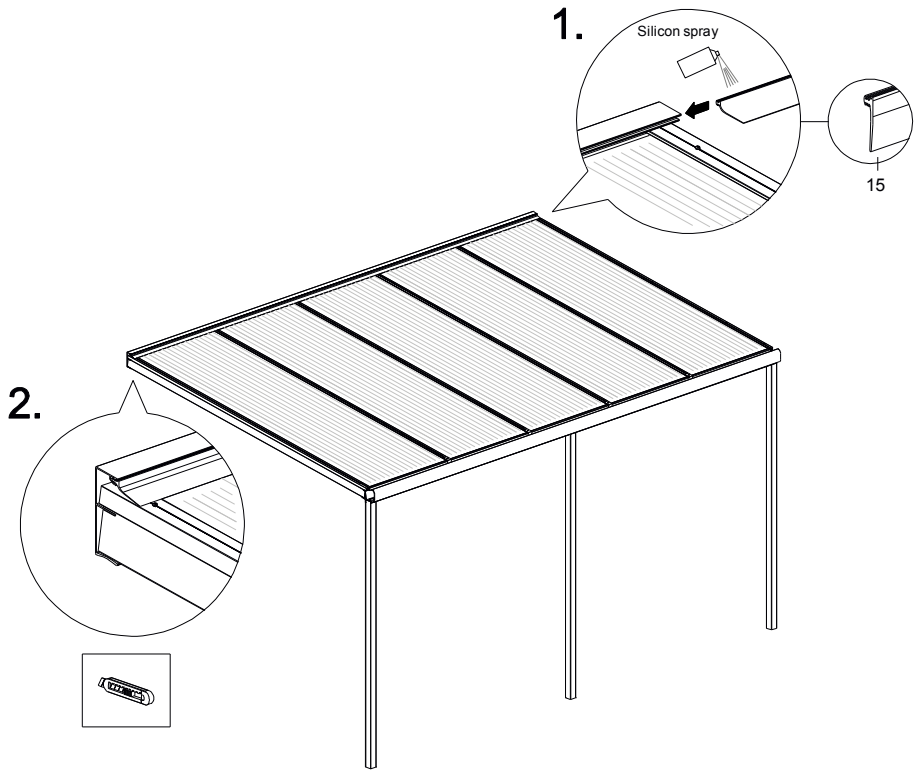
6. Now screw a sheet stopper at the gutter end of each middle beam to ensure secure attachment.
Note: securing the end cover strips comes later.



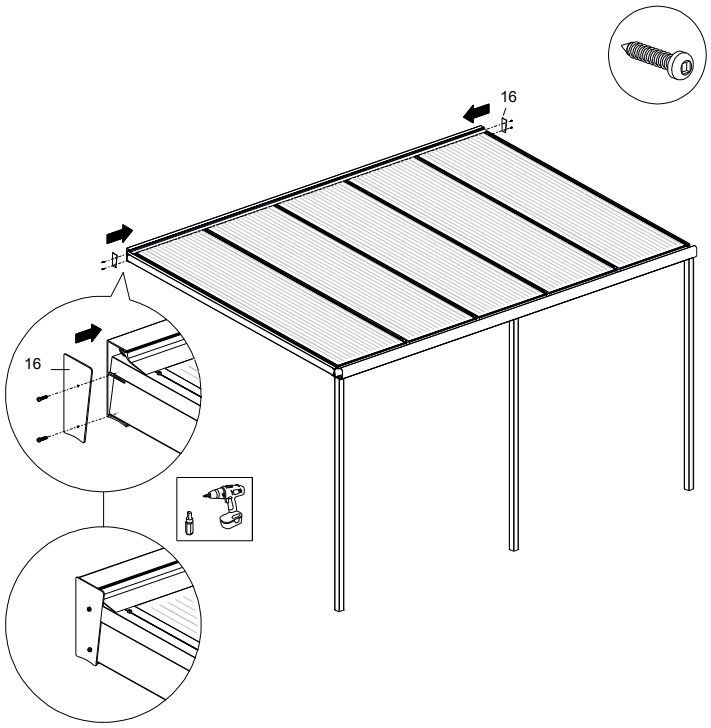
6.5 Finishing

1. Position the rubber strip in the wall profile properly so it covers the sheets and cover strips.

2. Carefully cut the rubber strip to size at both ends.



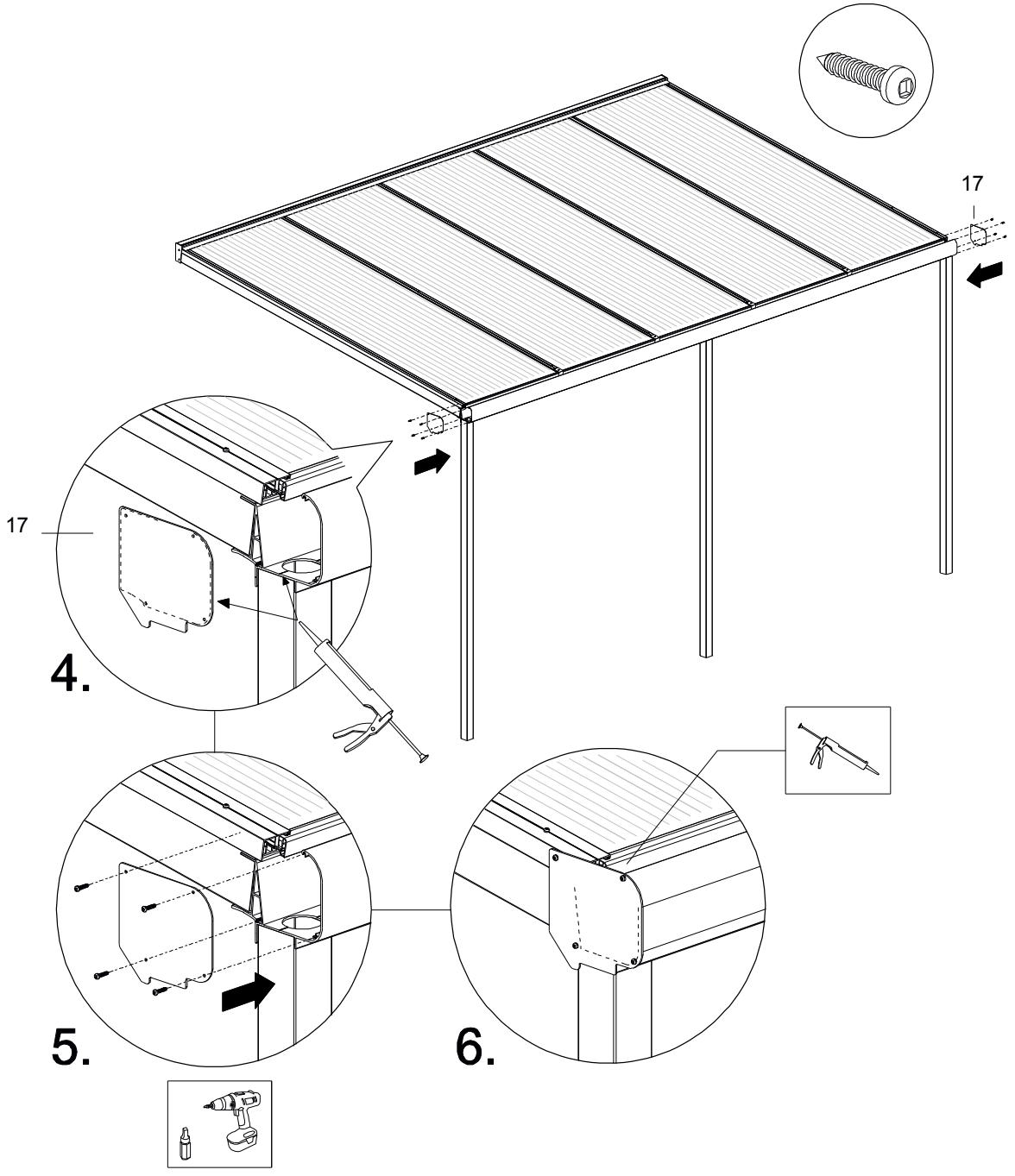
3. Screw the wall profile side cover onto wall profile with two short screws.



4. Apply sealant to both ends of the gutter profile.

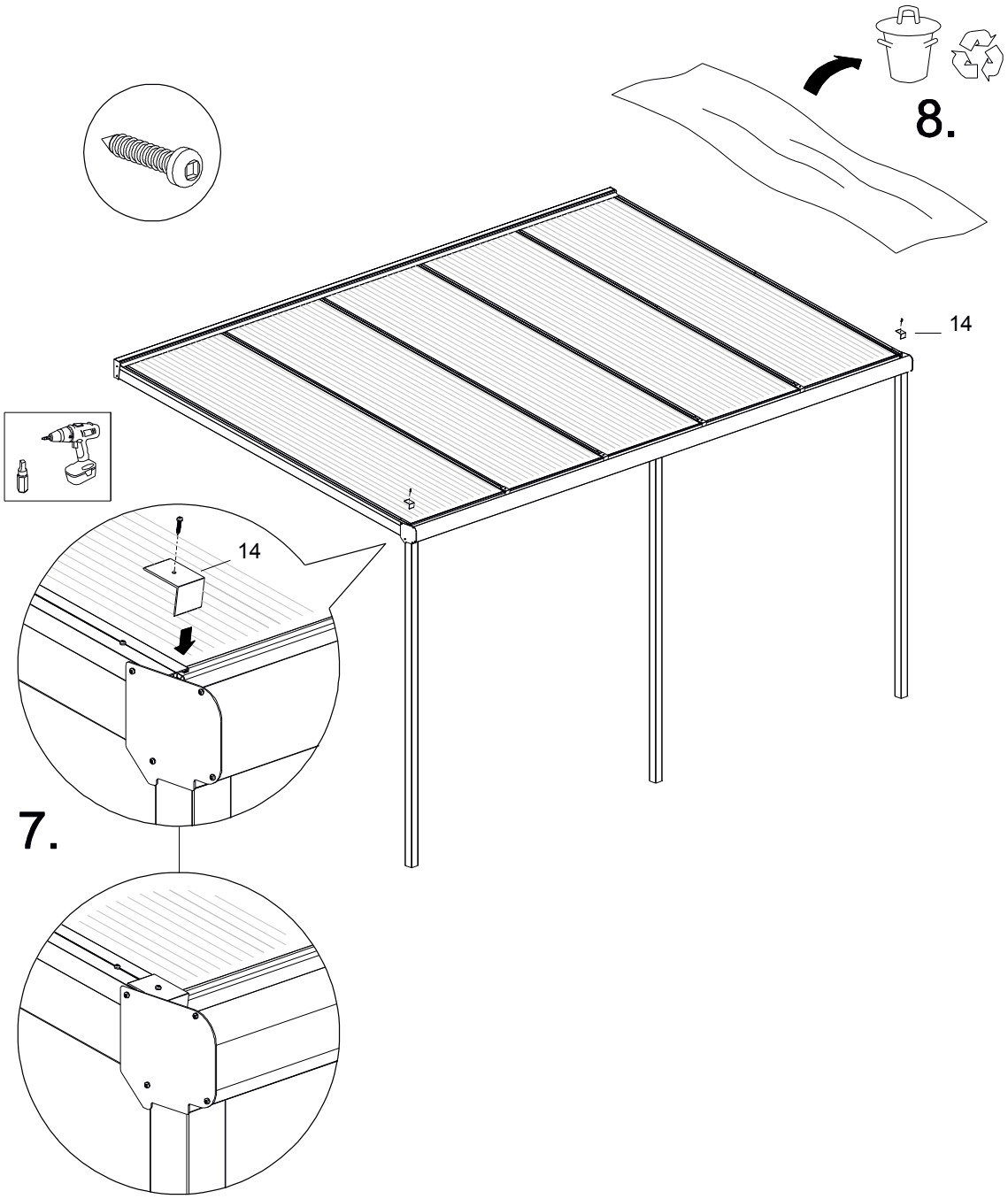
5. Carefully screw the side cover to the gutter profile with the short screws in the guides provided for this purpose.

6. Apply sealant the inside of the gutter so it is waterproof.

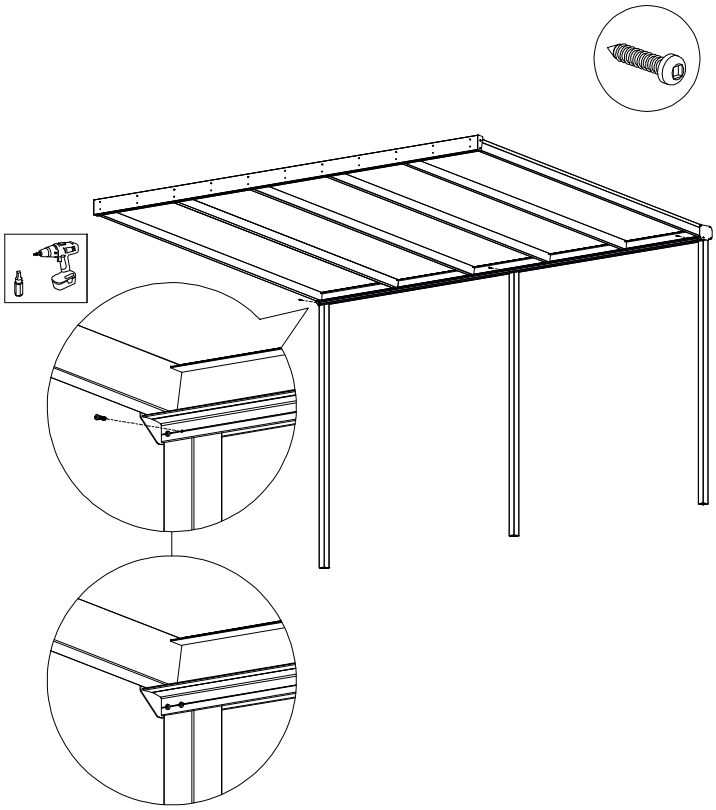


7. Now attach the sheet stoppers to the cover strips of the end beams with the short screws.

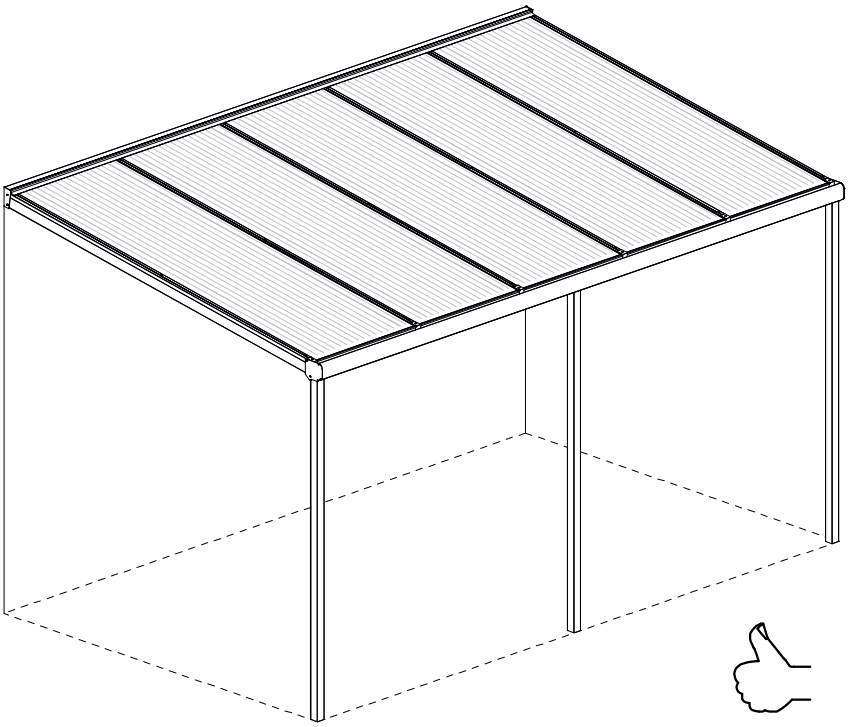
8. Remove the protective film from the roofing sheets and the aluminium parts.



9. Secure your posts with the second short screw.



11. Congratulations! The roof is now finished!



7. Maintenance

We recommend that you maintain and clean your canopy at least once a year. Check whether the screw connections are tight. If not, tighten them firmly.

The aluminium profiles and roofing sheets that are dirty can be cleaned with lukewarm water and a cleaning product.

- Use a soft brush or sponge.
- Never use abrasives, aggressive solvents or a pressure washer.
- Wet first and rinse off with lots of water, and then wipe with a soft cloth.

8. Disposal of waste

Dispose of the product according to local laws and regulations.

9. Warranty conditions

Warranty in accordance with the warranty conditions and our general terms and conditions. These can be found on our website.

10. Contact

IMPORTANT: We are your first point of contact for questions and comments.