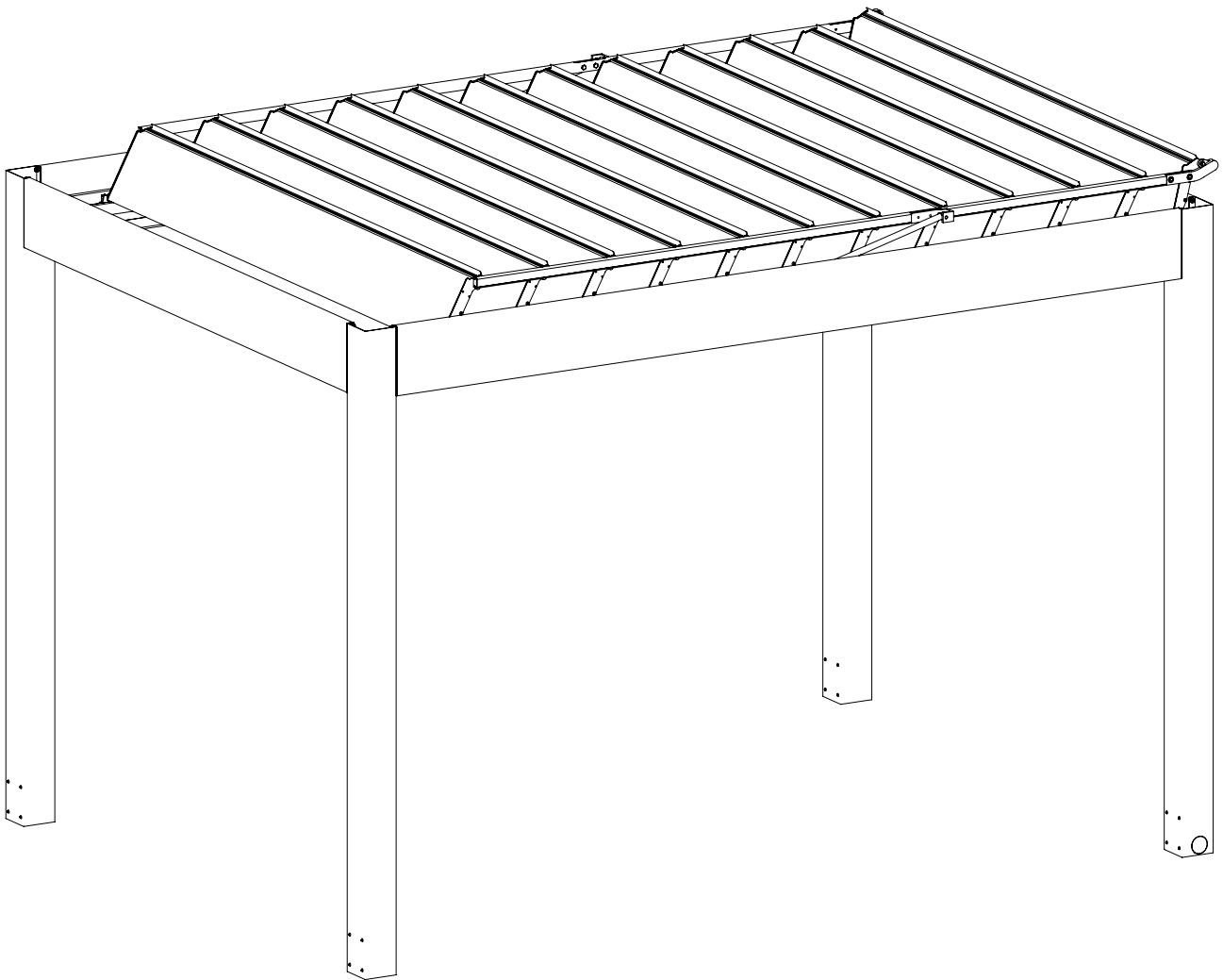




Operating / Assembly instructions Deponti Veranda

Pinela Tilt type



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This manual should be kept in a safe place for future reference!

For the duration and conditions of the warranty, we recommend that you contact your Deponti partner. We also refer you to our General Terms and Conditions of Sale and Delivery, which are available on request. Deponti B.V. accepts no responsibility for damage or injury resulting from failure to follow this manual carefully and to exercise the usual caution during transport, Assembly, use and Maintenance of the veranda. As a result of our continuous efforts to improve our products, the product may differ in detail from what is described in this manual. For this reason, the instructions provided should only be used as a guideline for installing the product mentioned in this manual. This manual has been compiled with the utmost care. However, Deponti B.V. cannot accept responsibility for any errors in this manual or for the consequences thereof. Furthermore, all rights are reserved and no part of this manual may be reproduced in any way whatsoever.



1. Introduction

The Pinela Tilt. Even more powerful, stylish and compact.

We know how eager your customer is to start enjoying their new veranda. To achieve this, it is important to assemble it carefully. That is why this manual takes you through the assembly process step by step. This makes it as easy as possible for you to assemble this veranda. We therefore advise you to read this manual as thoroughly as possible before you start the assembly. This will help you avoid any unexpected issues during installation.

Before starting the assembly, check that all necessary parts are included. For your safety, observe the applicable regulations. This will also guarantee the safety of the installed veranda. If you have any questions, please do not hesitate to contact us.

Store this manual in a safe, dry and shaded place. If this manual is damaged or lost, please request a replacement copy from Deponti

2. Safety precautions and warnings

Important:

Please read the safety precautions and warnings before commencing the veranda assembly process.

- When performing the assembly, carefully follow the instructions and guidelines described in this manual. Never change the order of the steps to be performed. If anything is unclear about the assembly, please contact Deponti. Subject to technical changes without prior written notice.
- We recommend that the veranda be assembled by two persons (qualified technicians/certified installers) as standard.
- We recommend using material lifts when performing the assembly of the gutter.
- Please check the delivery immediately upon receipt. In the event of damage or an incomplete delivery, please contact Deponti immediately.
- The materials should be stored in a dry, ventilated area, not exposed to direct sunlight.
- Open the packaging carefully. Ensure that you do not damage the product.
- Place the parts on a soft and clean surface. Lay the profiles on a flat surface. Avoid bright sunlight or rain. This will prevent damage to the veranda.
- Adding or omitting parts, or modifying or processing materials in a manner other than that specified, may adversely affect the safety of the veranda. We therefore strongly advise against this!
- Securely mark the installation site with safety tape to keep third parties at a distance.

- Always wear appropriate protective clothing (work gloves, dust mask, safety goggles, non-slip shoes, etc.) when carrying out the work.
- Always place a ladder on a firm, stable surface.
- Install the system on a flat, stable foundation or stone surface. Ensure that the ground is clean and dry.
- Never stand on the louvers.
- For wall mounting: mount the system against a sturdy, flat wall and on a flat, stable foundation or stone surface. Ensure that the wall and ground are clean and dry.
- Ensure that all fasteners are securely tightened. Check this regularly.
- Ensure that you have properly sealed the veranda to make it waterproof.
- You should perform maintenance and clean your veranda at least once a year.
- Use plenty of water and a soft cloth or sponge for cleaning. Only use neutral cleaning agents. No acids or alkalis. Solvents (detergent and glass cleaner) are permitted for removing greasy stains.
- Dispose of the product in accordance with local laws and regulations.
- Deponti B.V. accepts no liability whatsoever for damage or injury caused by failure to strictly comply with the safety regulations and instructions in this manual, or by negligence during assembly, use and maintenance of the product and any accompanying accessories. Deponti B.V. is not responsible for any form of damage.



3. Product description

The Pinela Tilt is constructed from posts, gutter profiles, beams, louvers, finish covers, side covers and the necessary mounting materials. This veranda is equipped with LED lighting as standard.

The Pinela Tilt is available as standard in widths of 4088, 5052, 6016 or 6980 mm, and can be extended to any width by connecting multiple verandas.. The veranda can have a projection of 3000, 3500, 4000 or 4500 mm.

Details

Gutter	145 x 300 mm
Posts	150 x 150 mm
Colours	Traffic white structure (RAL9016) / Antracite structure (RAL7024) / Black structure (RAL9005)
Roofing	Aluminium slats roofing
Maximum height	2.8m
Width (mm)	4088 / 5052 / 6016 / 6980
Projection (mm)	3000 / 3500 / 4000 / 4500
LED lighting* / **	Warm white 2400K, 8 W/m, cutting length 6 LEDs/50mm

* Optionally also available without LED. The LED strips can be covered using the optional cover strip window, allowing the cover to be used without LED.

** The standard supplied driver supports a maximum of 22.5 metres of LED strip; if you want to install additional LED strips in other channels of the gutter profiles or connect multiple LED strips, please take the maximum driver capacity into account.

A Deponti veranda can be installed on existing foundations or stone surfaces. To do so, order the surface-mount feet from our order portal.



3.1 Snow and wind load

The table provides an overview of the maximum net snow and Wind loads per veranda configuration. The values are based on a reference period of 50 years, load class CC1, based on a maximum deflection of $L/200$ at maximum load of the aluminium components based on EN 1990.

The tables below are based on a maximum height of 2.8 m from floor to top of gutter. Different wind/Snow loads apply to taller posts. Closing off the side walls can affect the maximum Wind load that the veranda can withstand. The net Snow load on the roof is determined by the s_k value (location dependent), with correction factors for, among other things, the shape of the veranda, its position in relation to other structures and the intended service life of the veranda.

Pinela Tilt

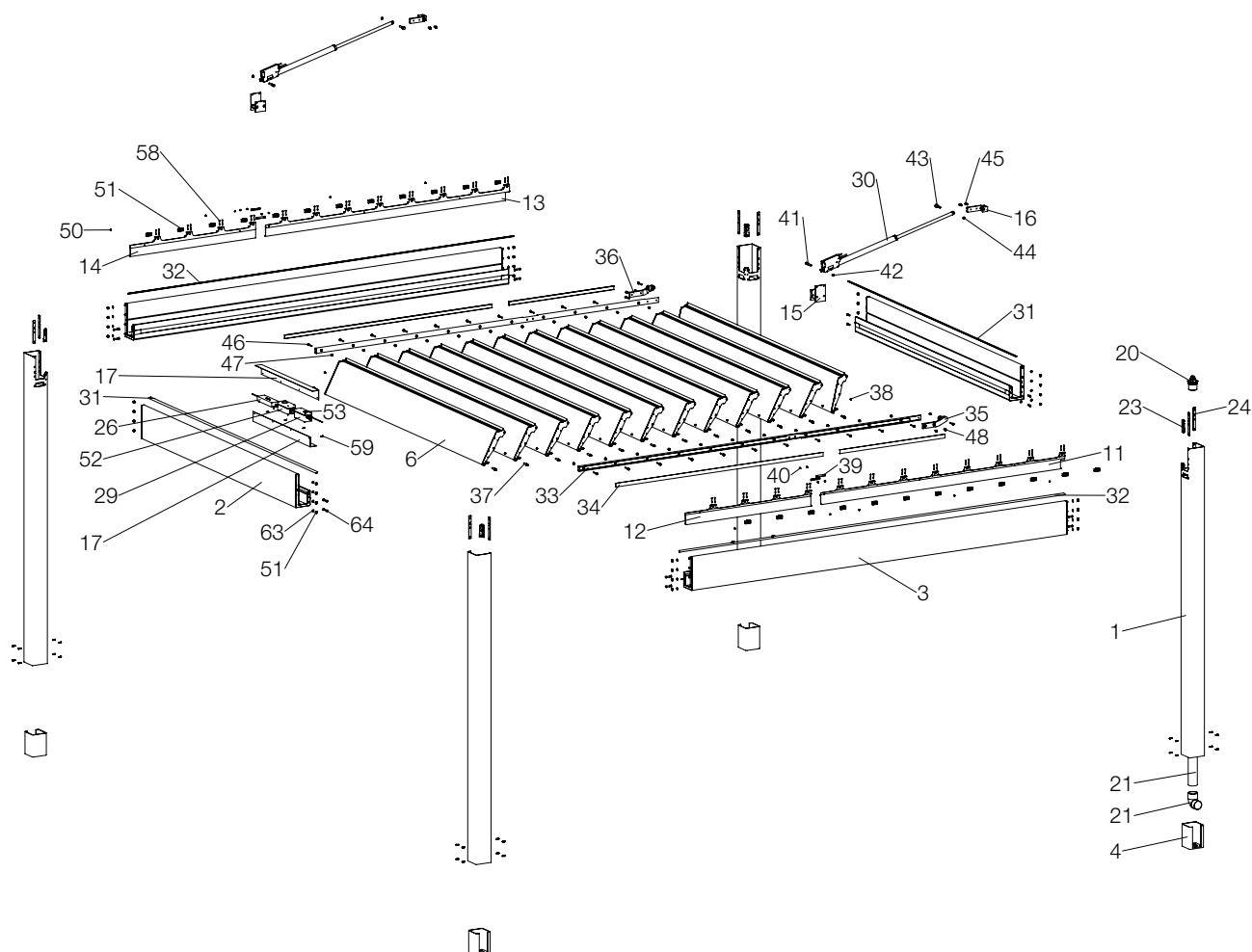
Veranda dimensions (Width x Projection)	Maximum downward load (kN/m ²)	Maximum downward load (kg/m ²)	Maximum wind suction (kN/m ²)
4088 x 3000	4,20	428,1	4,55
5052 x 3000	4,20	428,1	4,55
6016 x 3000	3,24	330,3	3,52
6980 x 3000	2,03	206,9	2,39
4088 x 3500	2,46	250,8	2,82
5052 x 3500	2,46	250,8	2,82
6016 x 3500	2,46	250,8	2,82
6980 x 3500	1,72	175,3	2,08
4088 x 4000	1,53	155,9	1,89
5052 x 4000	1,53	155,9	1,89
6016 x 4000	1,53	155,9	1,89
6980 x 4000	1,48	150,8	1,84
4088 x 4500	0,99	100,9	1,35
5052 x 4500	0,99	100,9	1,35
6016 x 4500	0,99	100,9	1,35
6980 x 4500	0,99	100,9	1,35

Maximum load is the characteristic value without safety factors or reduction through the reference period.



4. Parts overview

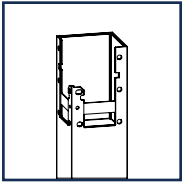
4.1 Exploded view



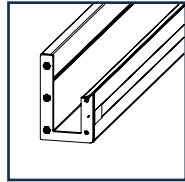


4.3 Parts list

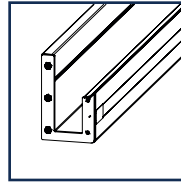
Please check the quantity and quality of the delivered parts carefully against the order form. Any visible defects must be reported in writing within 7 days of delivery.



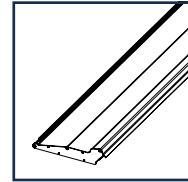
01. Post



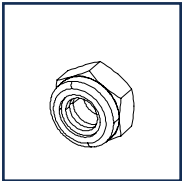
02. Gutter profile projection



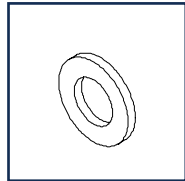
03. Gutter profile width



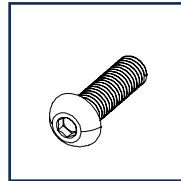
04. Louvre



05. Lock nut M10

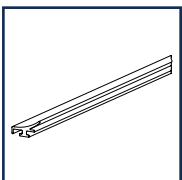


06. Washer M10

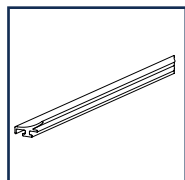


07. Hexagon socket head screw M10x35

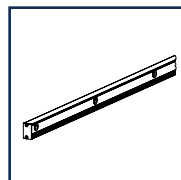
Width of package



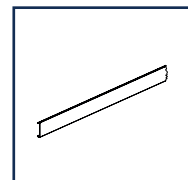
31. Gutter rubber projection



32. Gutter rubber width

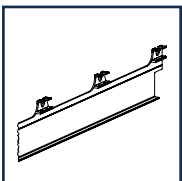


33. Control rod

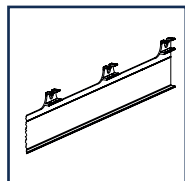


34. Rod side cover

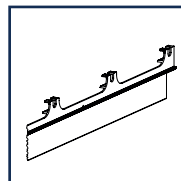
Insert package



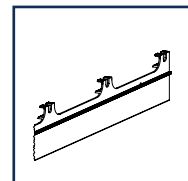
11. Support profile, front right



12. Support profile, rear right



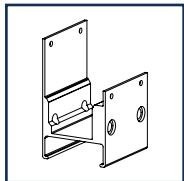
13. Front left support profile



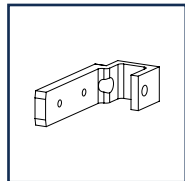
14. Support profile, rear left



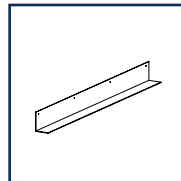
Electronics and engine mount package



15. Engine mount

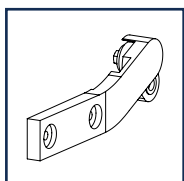


16. Engine mounting

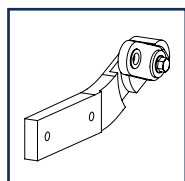


17. Support electronics

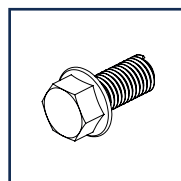
Control rod extension parts



35. extension control rod, right

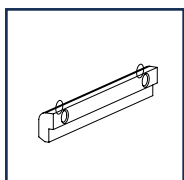


36. Extension control rod, left

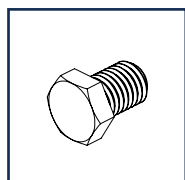


48. Hexagon bolt M8x20

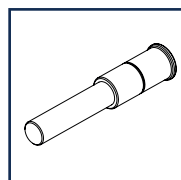
Louvre components



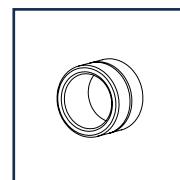
39. sliding nut



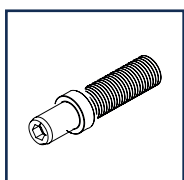
40. Hexagon bolt M6x10



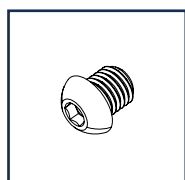
41. Axle motor support



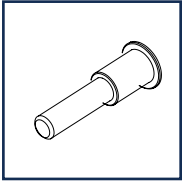
42. motor support filler ring



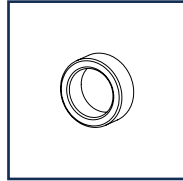
37. Louvre shaft



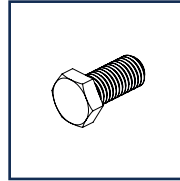
38. Round head screw M8x10



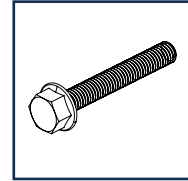
43. Axle motor mounting



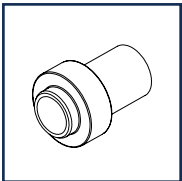
44. Motor mounting gasket



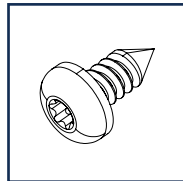
45. Hexagon bolt M10x25



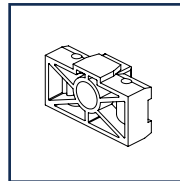
46. Hexagon bolt M8x55



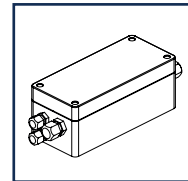
47. Louvre bus



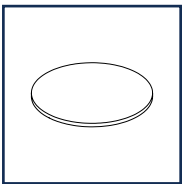
50. Screw ST5.5x13



51. bearing block

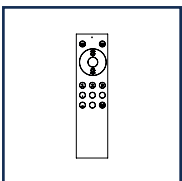


52. Junction box

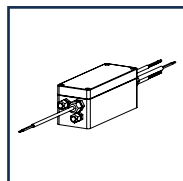


53. double-sided tape pad

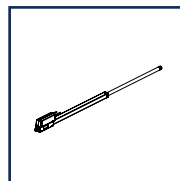
Management



28. Remote control

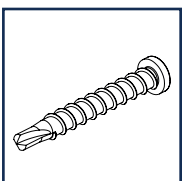


29. Motor control

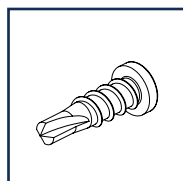


30. Linear motor

screws



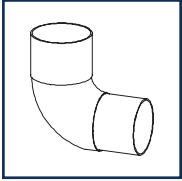
58. Self-drilling plate screw ST4.2x40



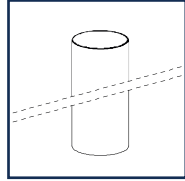
59. Self-tapping sheet metal screw ST4.2x19



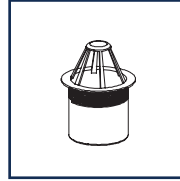
Management



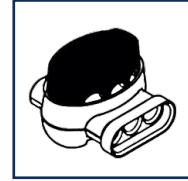
21. 90° RWD rainwater discharge sleeve



22. RWD rainwater discharge pipe Ø80mm

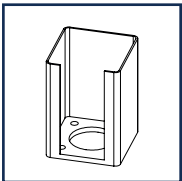


20. Leaf catcher Ø80mm

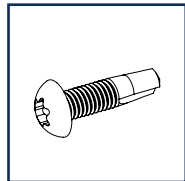


27. Scotchlok

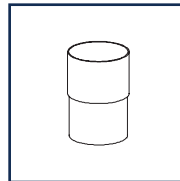
Optional



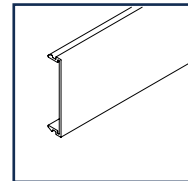
04. Mounting base



Screw 6.3 x 25 mm



rainwater discharge sleeve



Aluminium cover strip LED window



5. Preparation for assembly

5.1 Conditions for assembly

Substrate & façade

- Ensure a good, flat, stable surface for the construction of this veranda.
- The installation area must be cleared of all obstacles such as garden furniture and planters, so that installers can work freely.
- The ground must be free of underground utilities (e.g. pipes, cables), roots and debris.
- The façade must be free of sun blinds and similar items.
- The wall where the wall profile will be mounted must be solid and flat.

Posts & linked verandas

- The maximum distance between the posts is 7 metres.
- With linked verandas, there is always a post under the link.

Assembly on walls

- In connection with the expansion of the materials, the veranda must not be placed tightly between two walls. A clearance of 1.5 mm must be maintained for each metre of width of the veranda.

Screws and drills

- Deponti supplies special 4.2x19mm and 4.2x32mm stainless steel screws for the veranda. Pre-drill a 3 mm pilot hole for each screw unless otherwise stated. Do not overtighten, as this may cause the screw head to shear off. Careful screwing, in the appropriate position for the screwdriver, is recommended.
- Please note: never drill or use screws to attach them to the PVC rainwater discharge pipe on one of the posts.

sealant

- The sealant supplied has been specially selected for waterproof sealing of aluminium to aluminium or to most materials commonly used in construction, such as walls, concrete, etc. Follow the instructions on the tube.
- Please note: the optimum processing temperature for the sealant is +5°C to +40°C.

Rubbers

- The Pinela Tilt veranda comes standard with separate and pre-mounted black rubber seals.
- If the rubber seals are deformed, they can easily be made straight again with a little heat, for example with a hot air fan or hair dryer.

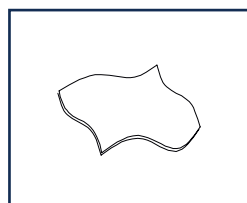
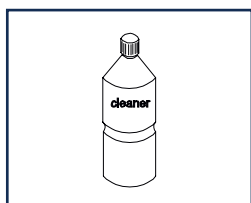
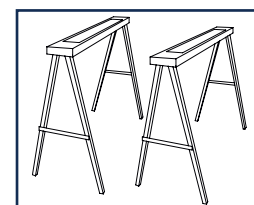
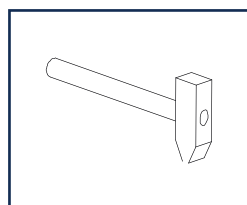
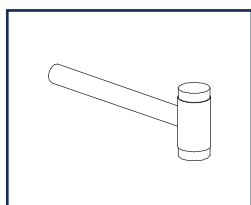
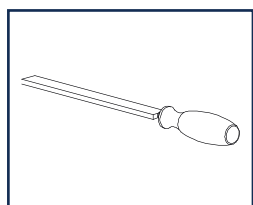
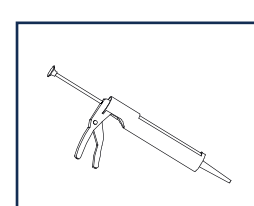
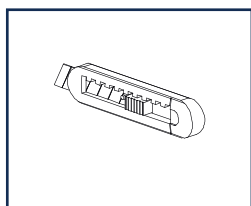
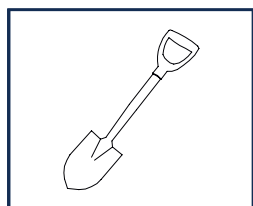
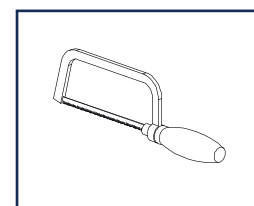
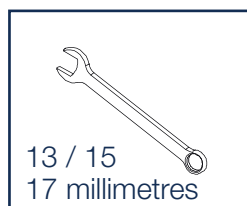
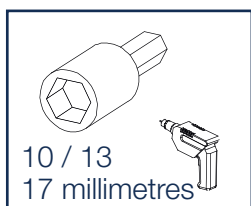
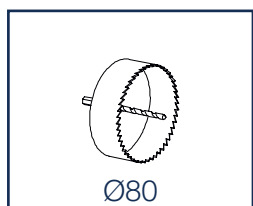
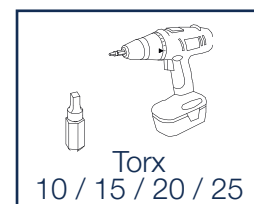
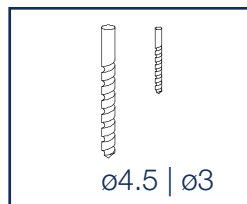
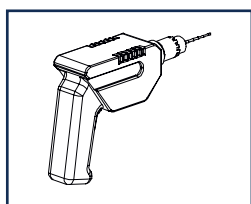
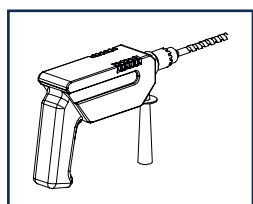
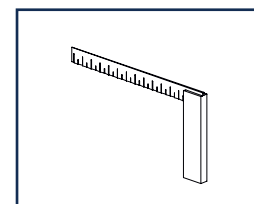
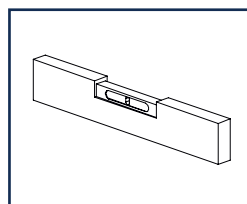
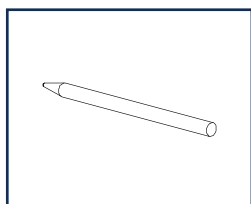
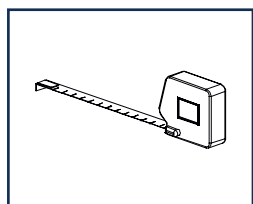
Remove protective film

- Remove the protective film from aluminium parts last, to avoid damage during assembly. During installation, fold the film back a few centimetres at the edges to prevent it becoming trapped between profiles, which would make it difficult to remove later.

The warranty shall be void if the Pinela Tilt veranda is not assembled and installed in accordance with the guidelines.



5.2 Inspection of tools and accessories



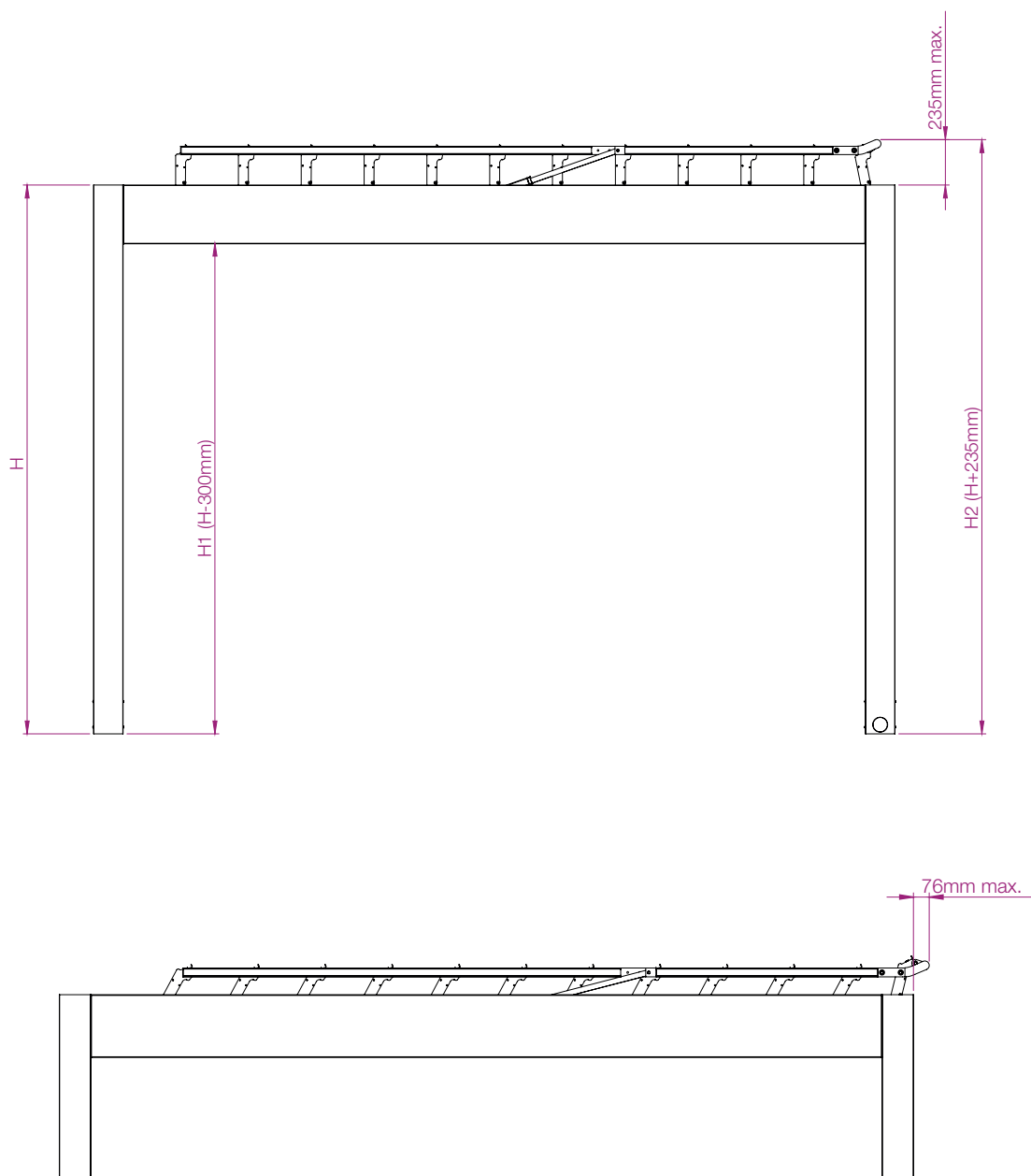


6. Assembly

6.1 Determining height

Determine the height of the veranda. Please note that the maximum height of the veranda may be 2800 mm from ground level to the top of the gutter. The clearance height above the veranda must be 235 mm. The maximum overhang, when fully open, is 76 mm.

The posts are supplied longer than required so they can be set into concrete foundations. If you are using the optional surface mounting bases, cut the posts to the required finished height.





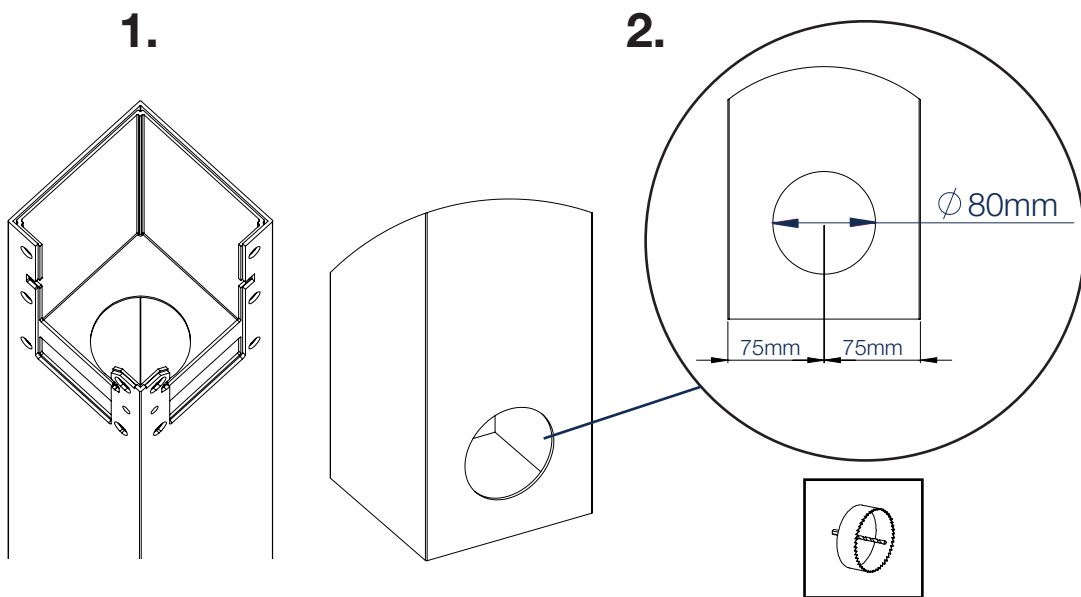
6.2 Rainwater discharge

Step 1

Choose which post will house the rainwater outlet and leaf catcher, then carefully drill an $\varnothing 80\text{mm}$ hole in the top of that post using the hole saw. This is where the leaf catcher will be placed later.

Step 2

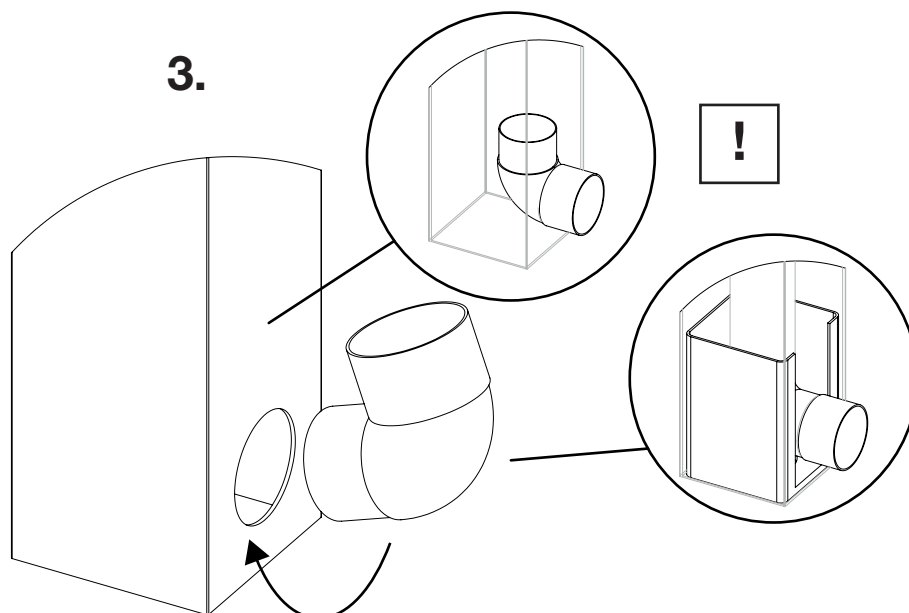
Determine on which side and at what height of the post you want the rainwater discharge outlet to be. Drill a hole in the centre of the post using the hole saw to make an 80 mm diameter hole in the post. Position the outlet at a height that allows the RWD to connect to an underground drain or discharge just above ground level.



Step 3

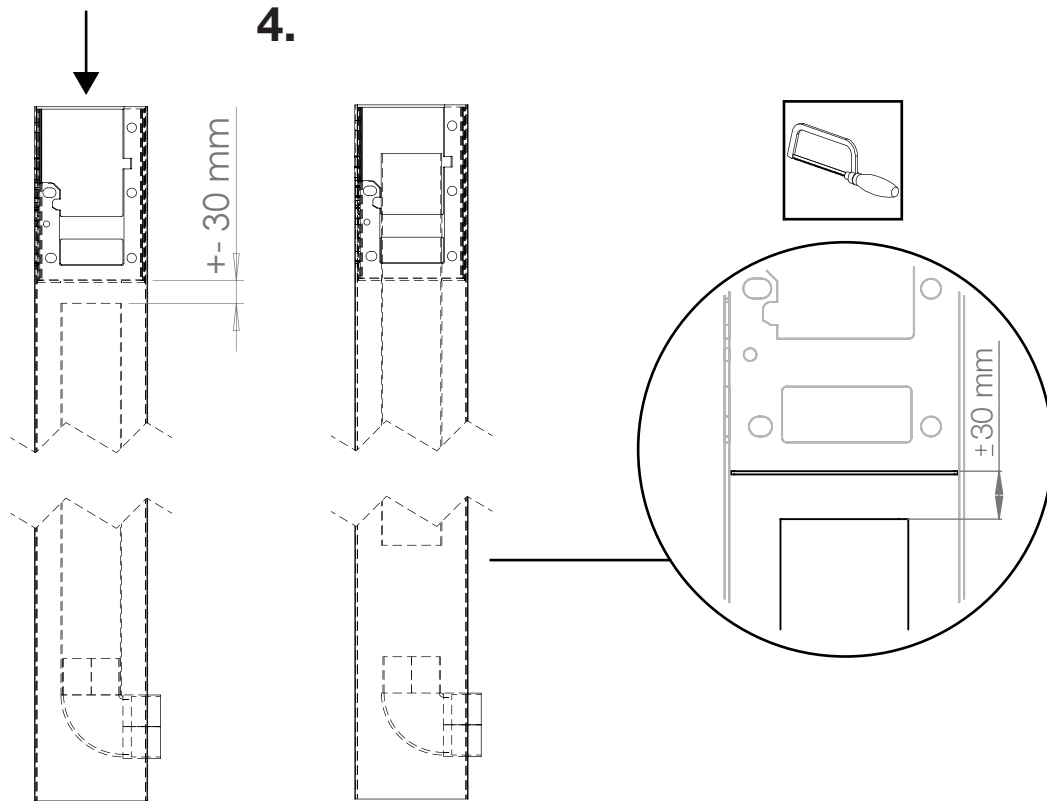
Place the RWD bend in the hole at the bottom of the post.

Please note: When using the blind mounting bases, ensure that the opening of the base is in the same position as the outlet on the post.



**Step 4**

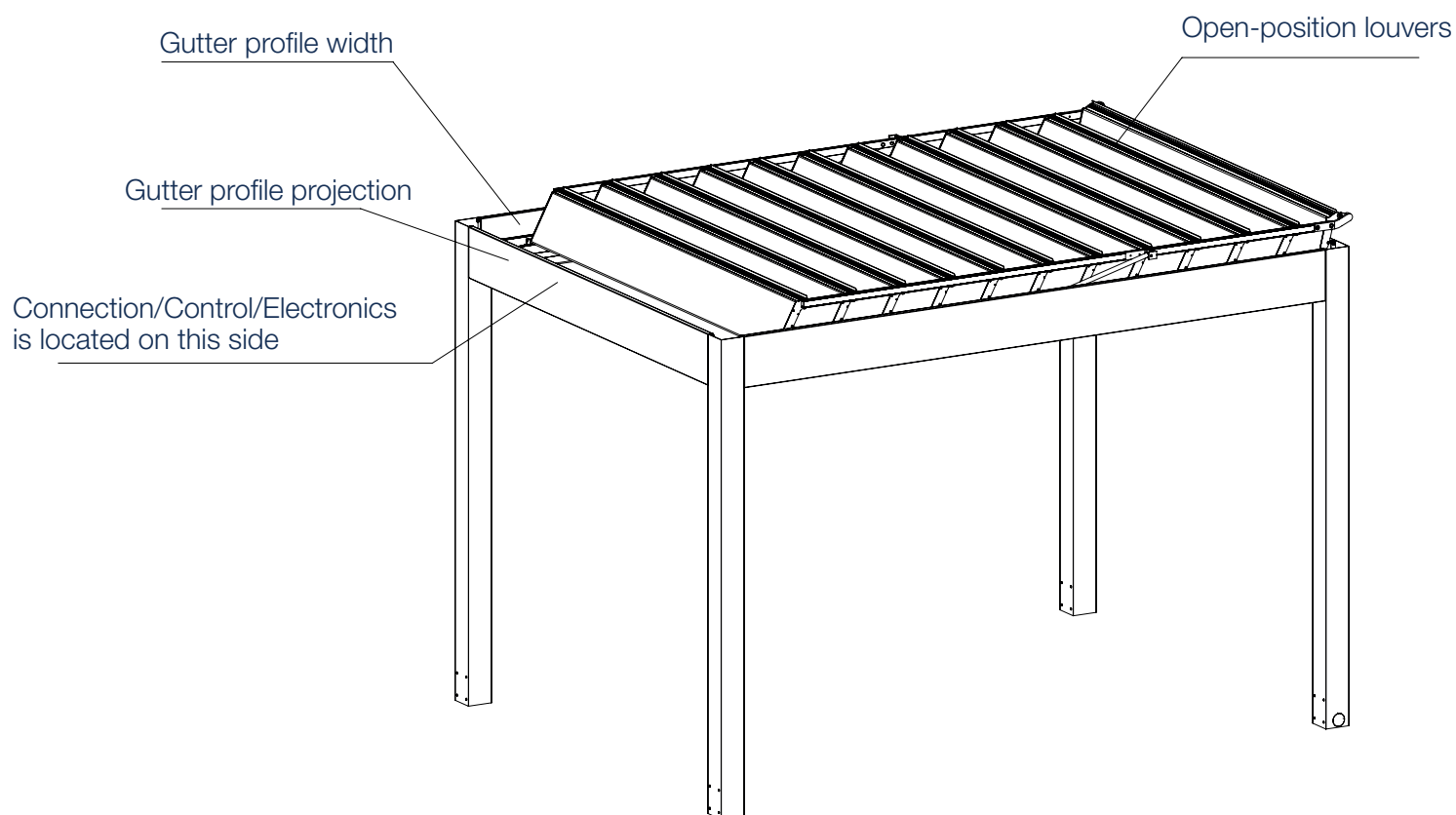
Insert the RWD pipe through the top hole of the post and slide it over the RWD bend. Cut the RWD pipe to size so that it protrudes approximately 30 mm below the plate of the post.





6.3 Preparation of gutter profiles

Decide on which side of the veranda the controls and electronics will be located.
Before the gutters can be installed, they must be fitted with rubber seals and slot nuts. The rubber seals are included in the width package. The slotted nuts are included in the Louvre package.





Step 1

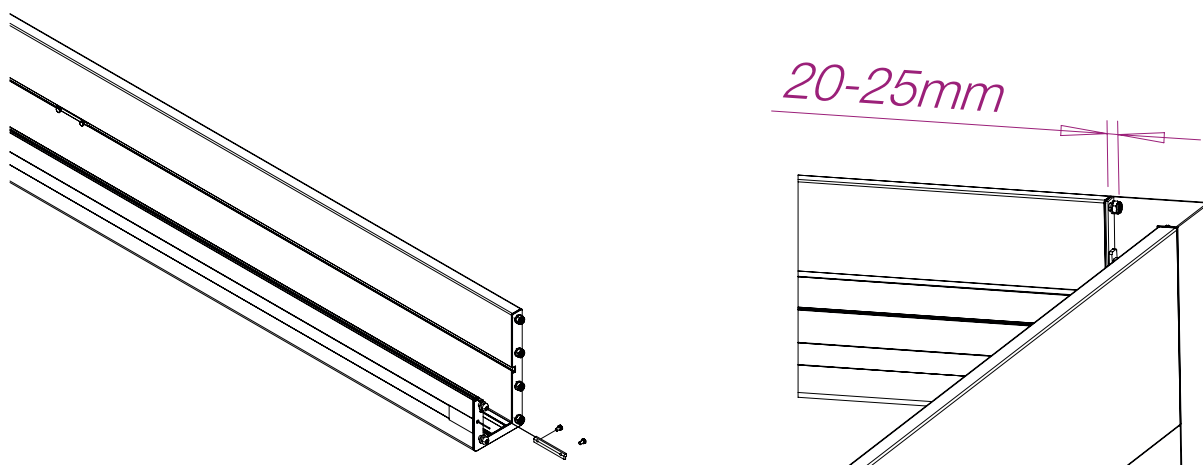
Slide the 4 slot nuts, on the low side, approximately to the middle of the width of the gutter profiles, one per gutter profile side.

Step 2

Hand-tighten the slot nuts using the M6x10 hex bolts to hold them in position.

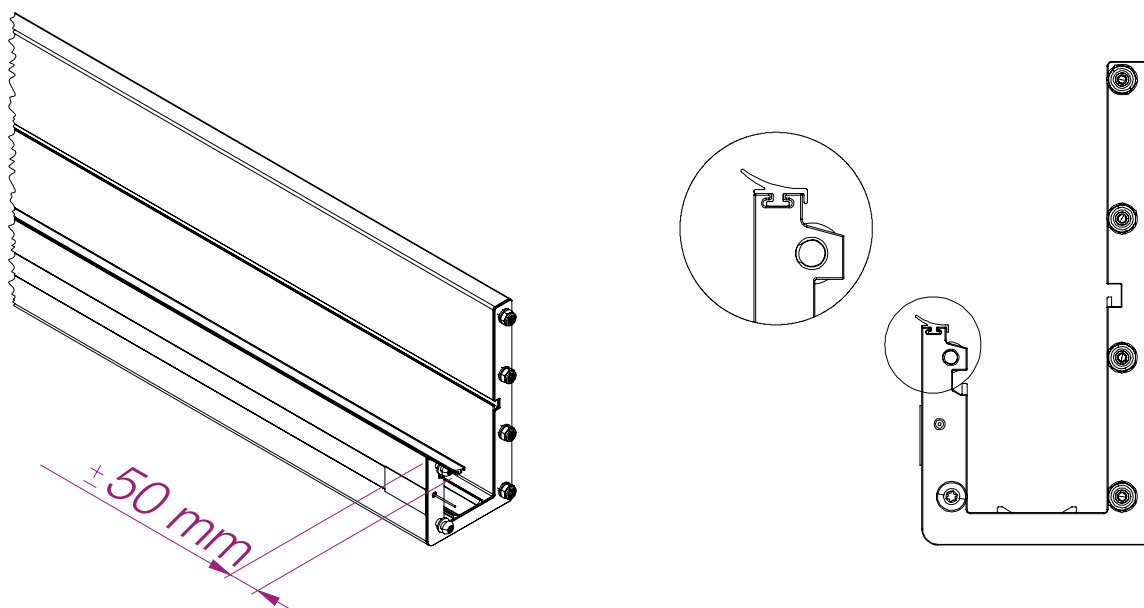
Step 3

Check the distances of the pre-assembled threaded ends. The threaded ends should not protrude more than 20-25 mm.



Step 4

Place the rubber seals in the gutter profiles as shown in the images below. Ensure that the rubber protrudes at least 50 mm beyond the gutter profile. Silicone spray may be used during installation. The rubber seal must face inward at all four corner holes.

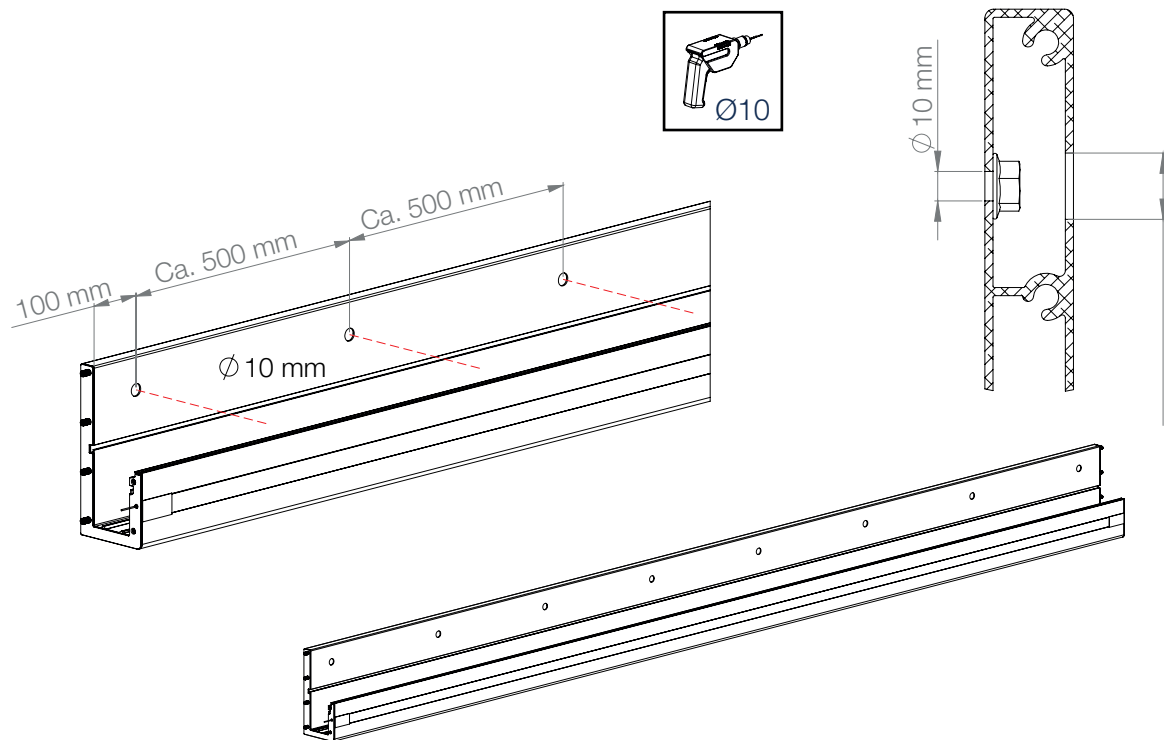




6.4 Wall mounting (optional)

Optionally, you can order the Pinela Tilt as a wall mount. If you have a freestanding veranda, you can skip this section. Please note: on the side without the electronics, the control rod will protrude from the frame. This side cannot be mounted on the wall.

Note: some gutters may have been supplied with the LED strips loose inside rather than fitted into the bottom channel. Please check and fit them before proceeding.



Step 1

Decide which gutter you want to attach to the wall. Drill holes in this gutter with a distance of approximately 500 mm between them. Start approximately 100 mm from one end and finish approximately 100 mm from the other end. Countersink the outer holes so that the fastener heads sit flush.



Step 2

Apply sealant to the gutter gaskets as shown in the image below. Repeat this for each gutter when you install it.

Step 3

Slide the gutter into the corner pieces as shown in the image below.

Please note: ensure that the LED cable is threaded through the hole in the Corner piece.

Step 4

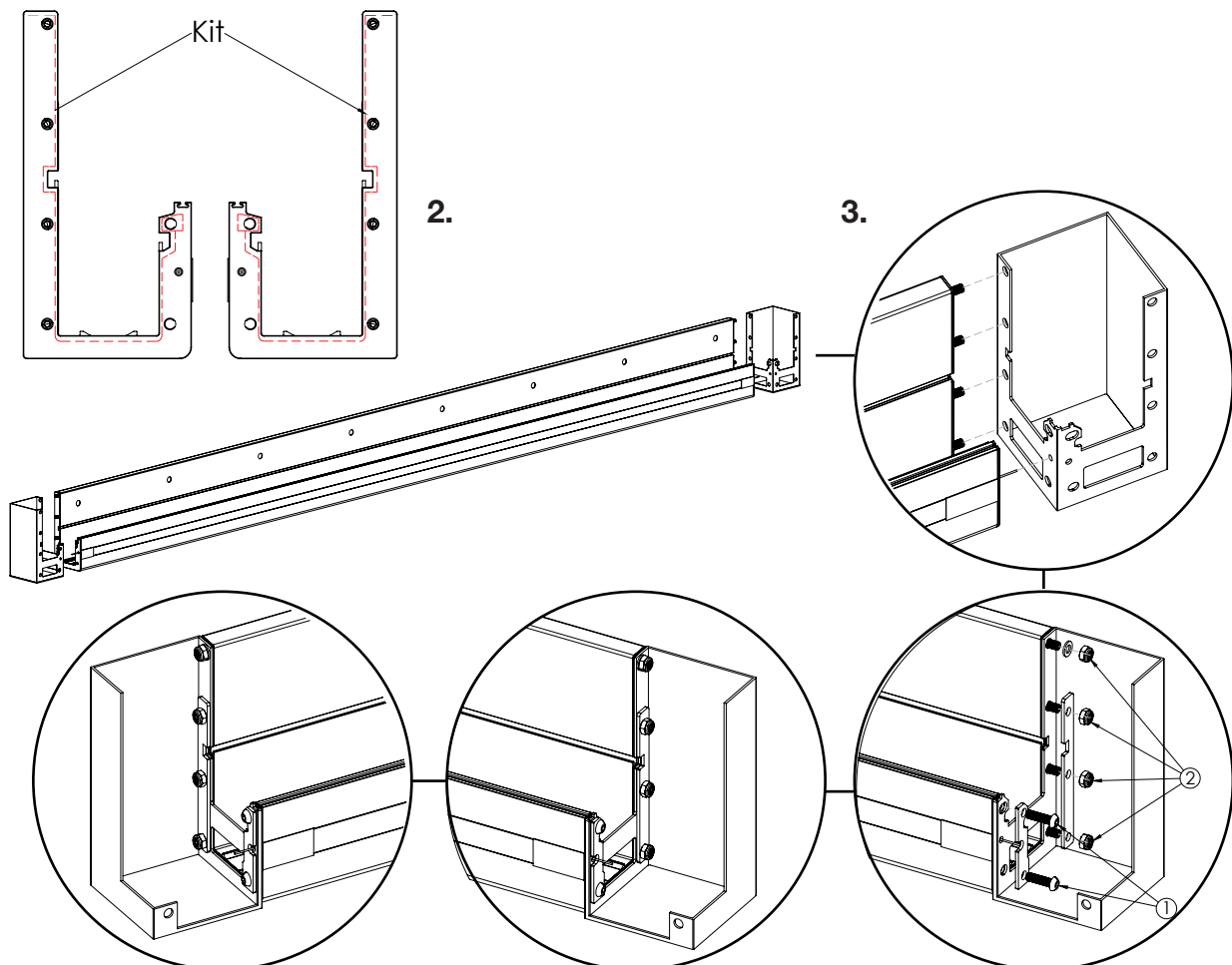
Attach the large pressure distribution plates together with the washers and lock nuts to the threaded rods as shown in the illustration below. Ensure that the recess in the backing plate aligns with the groove in the gutter. Tighten the lock nuts only a few turns.

Step 5

Then secure the small distribution plates with the M10 screws. Ensure that the LED cabling is not pinched.

Step 6

Tighten all fixings evenly, working in a cross pattern. Attach the large pressure distribution plates to the threaded rods together with the rivet rings and lock nuts. Tighten the lock nuts only a few turns.



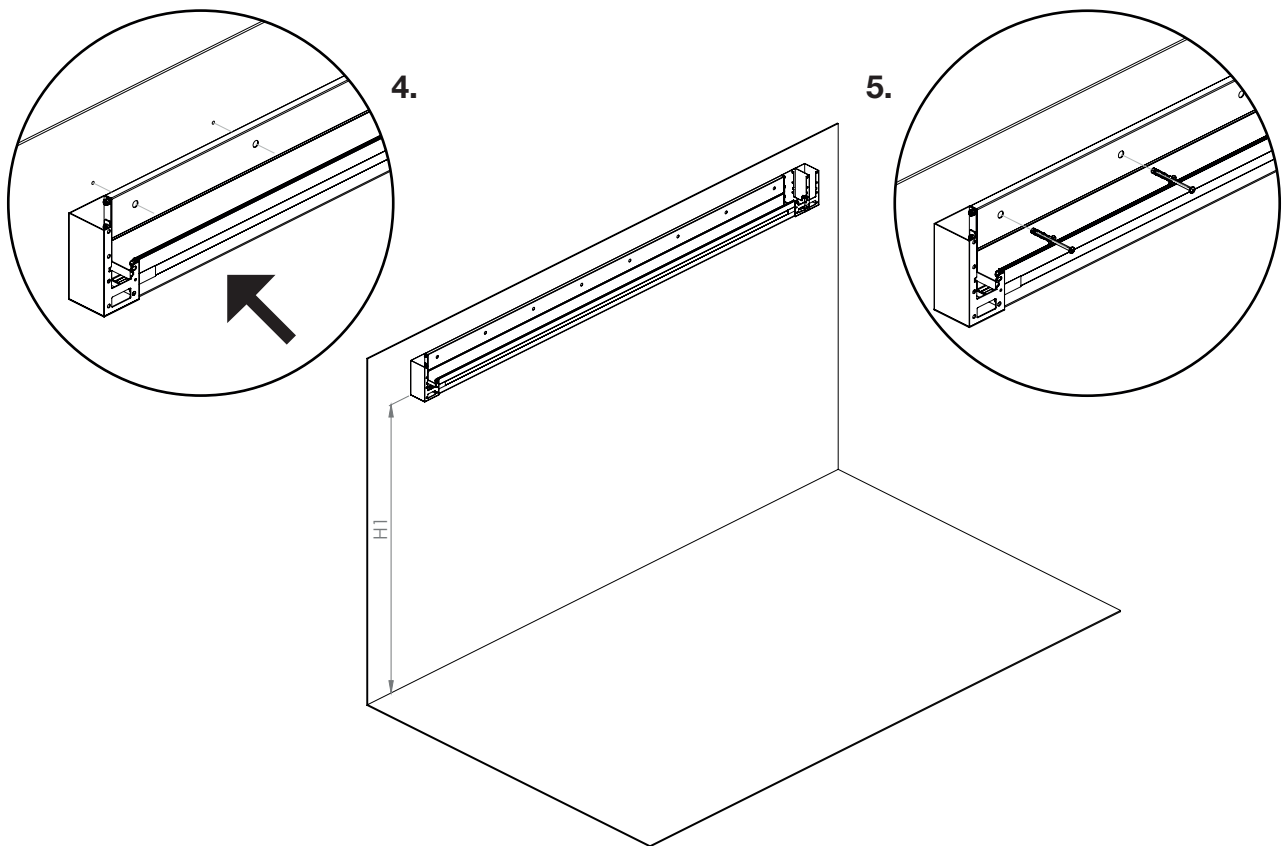


Step 7

Place the gutter against the wall at the desired height and then mark the holes as you pre-drilled them in the wall profile. Now drill holes with the appropriate drill bit. Ensure that the gutter is level.

Step 8

Secure the gutter. Make sure you have the right fasteners.



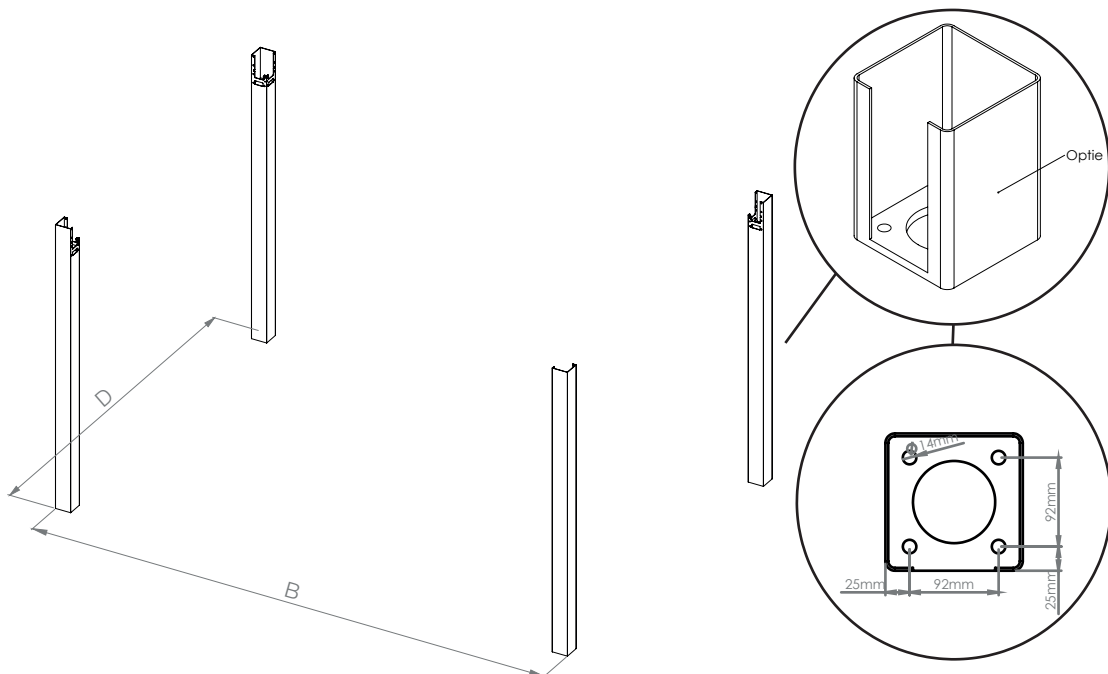
6.5 Fixing the posts

Step 1

Determine the positions of the posts on the terrace and the optional blind mounting bases. Ensure the layout is perfectly square and all posts are level.

The correct position of the posts can be found in Table 6.6.1 on the following page.

Please note: When using the blind mounting bases, first attach them to the substrate. The correct position of the mounting bases can be found in Table 6.6.2. To attach the base to the substrate, we recommend using M12 5.8 Hilti-HY 200 anchors with an embedment depth of 170 mm.





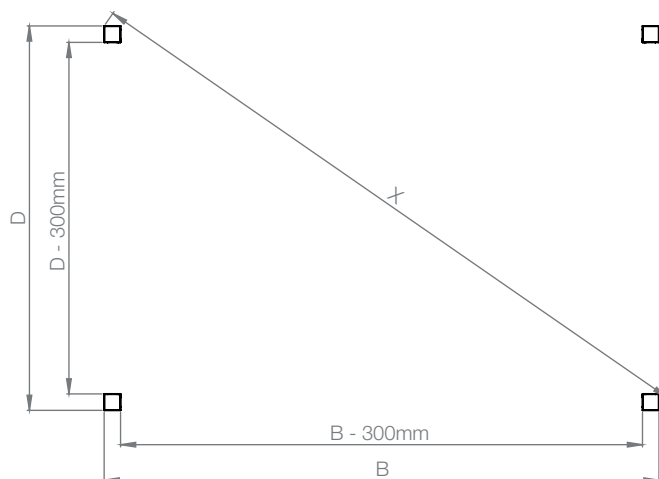
Step 2

Dimensions of the outside of the posts.

Veranda dimensions Width (W) x Projection (D) in millimetres	Diagonal outside of posts (X) in millimetres
3124 x 3000	4330
3445 x 3000	4567
4088 x 3000	5070
5052 x 3000	5875
6016 x 3000	6722
6980 x 3000	7597
3124 x 3500	4672
3445 x 3500	4910
4088 x 3500	5381
5052 x 3500	6145
6016 x 3500	6959
6980 x 3500	7808
3124 x 4000	5075
3445 x 4000	5278
4088 x 4000	5719
5052 x 4000	6443
6016 x 4000	7224
6980 x 4000	8044
3124 x 4500	5477
3445 x 4500	5666
4088 x 4500	6079
5052 x 4500	6765
6016 x 4500	7512
6980 x 4500	8304

Table 6.6.1

Position of posts





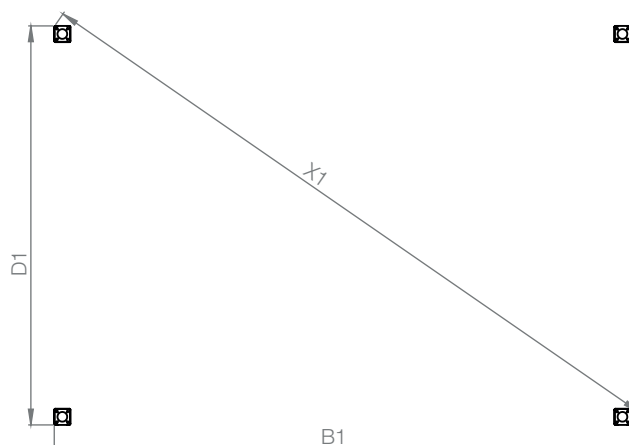
Step 3

Dimensions of the exterior of the blind mounting base.

Veranda dimensions Width x Projection in millimetres	Width (B1)	Projection (D1)	Diagonal outer posts x Projection in millimetres
3124 x 3000	3116	2992	4312
3445 x 3000	3437	2992	4549
4088 x 3000	4080	2992	5051
5052 x 3000	5044	2992	5856
6016 x 3000	6008	2992	6704
6980 x 3000	6972	2992	7579
3124 x 3500	3116	3492	4665
3445 x 3500	3437	3492	4891
4088 x 3500	4080	3492	5362
5052 x 3500	5044	3492	6127
6016 x 3500	6008	3492	6941
6980 x 3500	6972	3492	7789
3124 x 4000	3116	3992	5056
3445 x 4000	3437	3992	5260
4088 x 4000	4080	3992	5700
5052 x 4000	5044	3992	6424
6016 x 4000	6008	3992	7205
6980 x 4000	6972	3992	8026
3124 x 4500	3116	4492	5459
3445 x 4500	3437	4492	5648
4088 x 4500	4080	4492	6060
5052 x 4500	5044	4492	6746
6016 x 4500	6008	4492	7493
6980 x 4500	6972	4492	8286

Table 6.6.2

Position of blind mounting base





6.6 Fitting gutters

Before you start working with the gutters, ensure that the LED strips have been pulled into the bottom channel. A series of gutters has been produced where this is not yet the case and the LED strips are loose inside.

Step 1

Apply sealant to the gutter gaskets as shown in the illustration below. Repeat this for each gutter when installing them.

Step 2

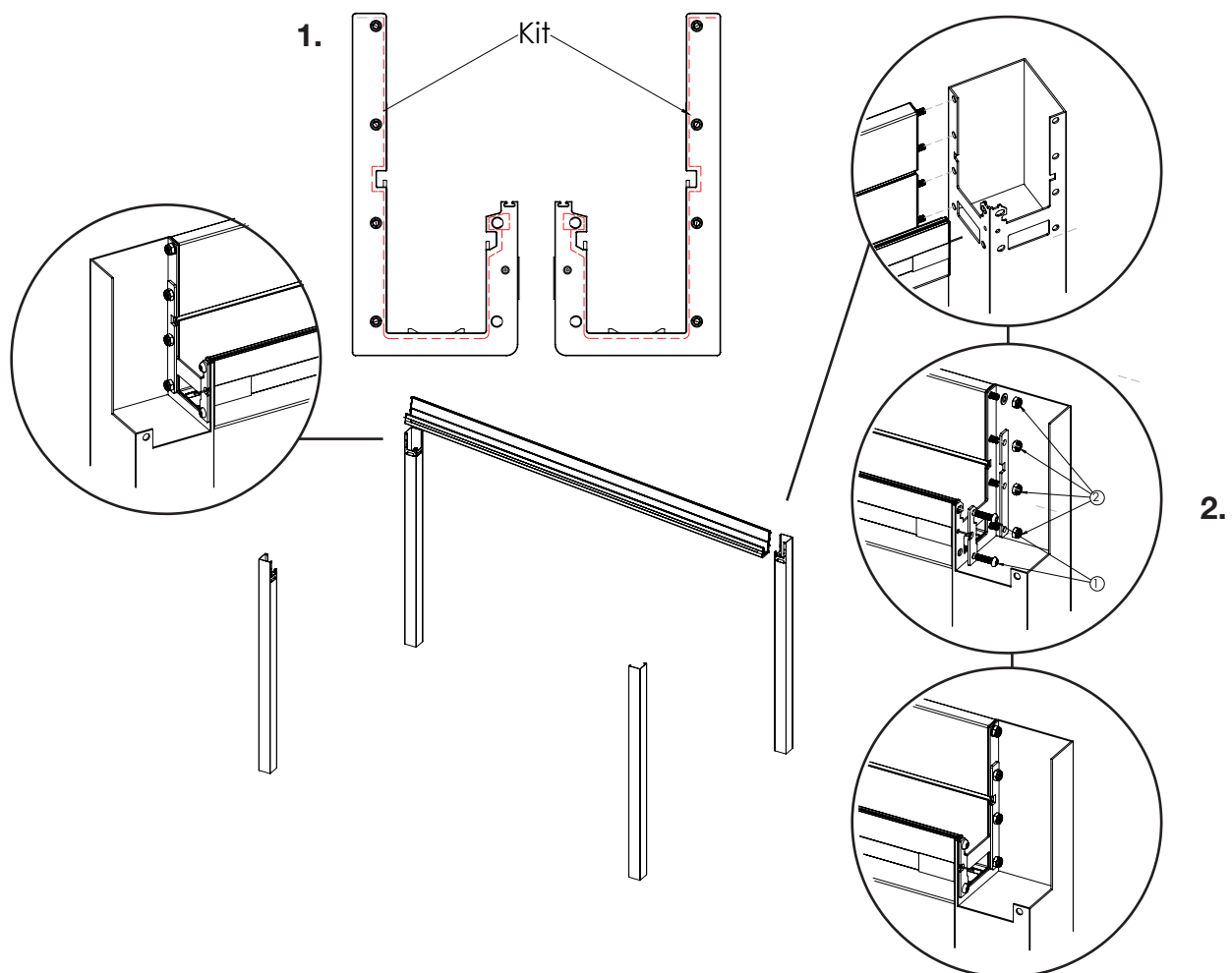
Slide the gutter into the post as shown in the image below. Please note: ensure that the LED cable is threaded through the hole in the post.

Step 3

Attach the large pressure distribution plates together with the washers and lock nuts to the threaded rods as shown in the illustration below. Ensure that the recess in the pressure distribution plate aligns with the groove in the gutter. Tighten the lock nuts only a few turns.

Step 4

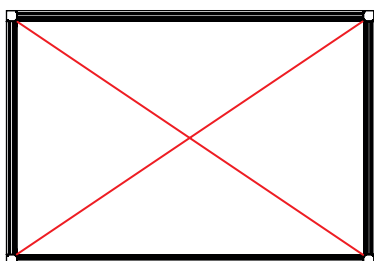
Then secure the small distribution plates with the M10 screws. Ensure that the LED cabling is not pinched. Only then tighten all fixings evenly, working in a cross pattern.



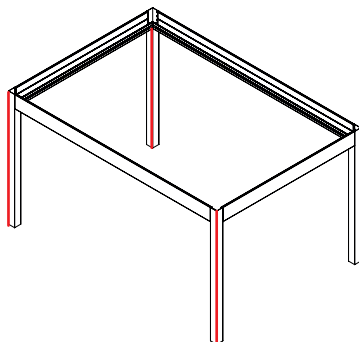
Step 5

Check that the entire frame is level.

Check the cross



Check that the stands are level.

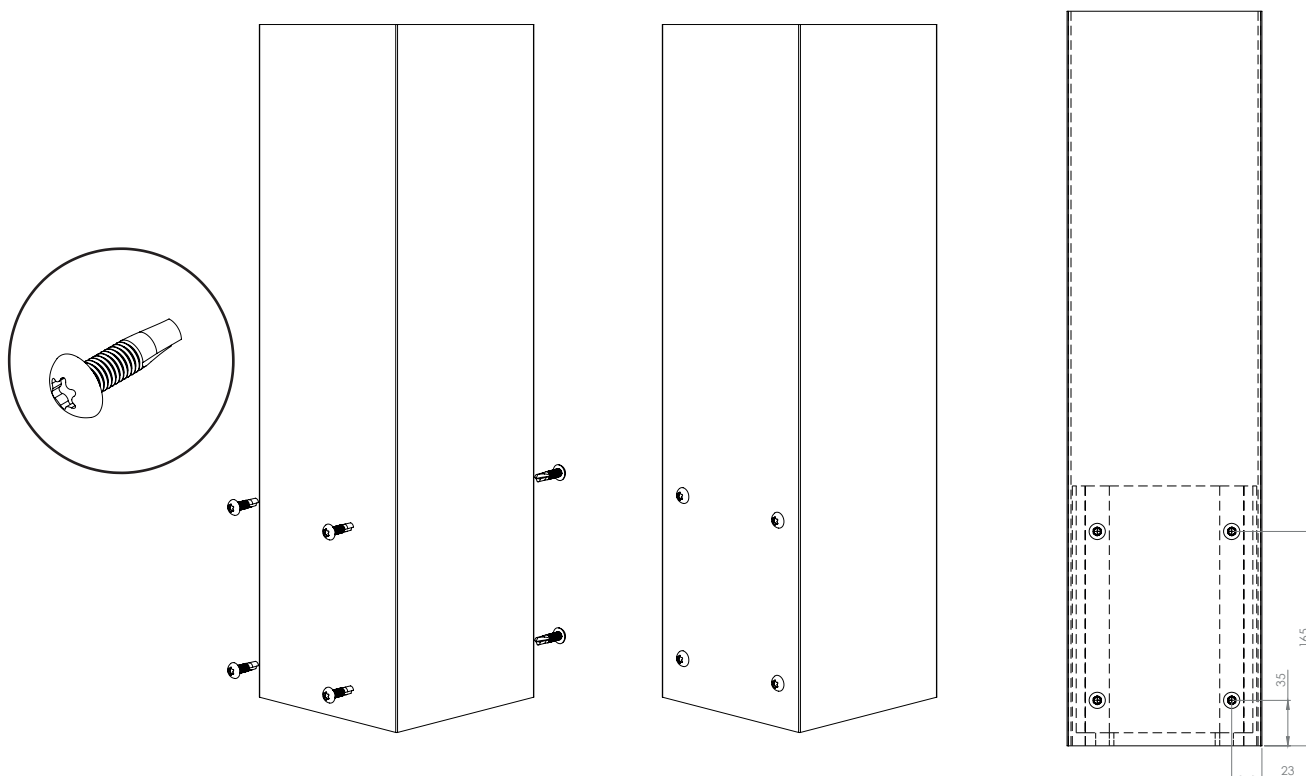


Check that the gutters are level.



Optional: Blind assembly base

Screw the posts to the blind mounting bases on at least two sides. Use the St. 6.3 x 25 mm screws, 4 per side. Position the screws as shown in the image below.





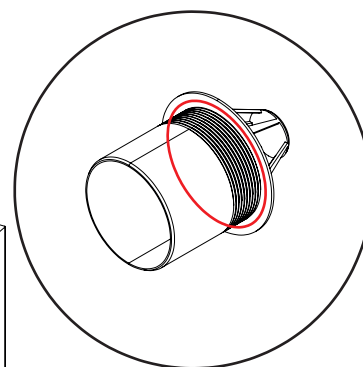
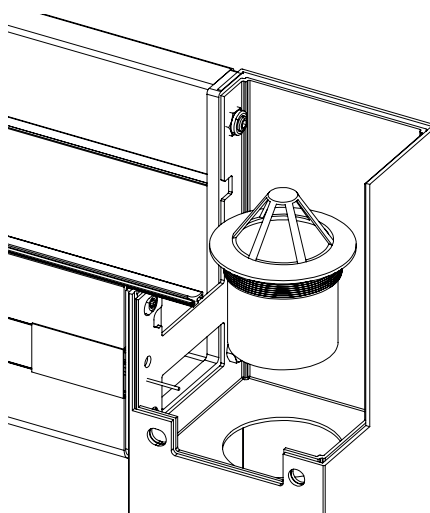
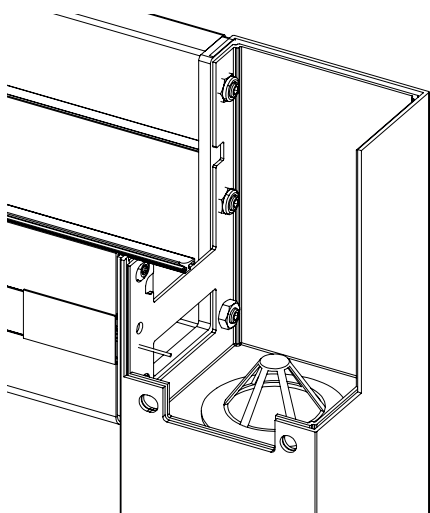
6.7 Installing the leaf catcher

Step 1

Apply sealant to the underside of the leaf catcher.

Step 2

Place the leaf catcher in the hole in the post and slide it into the RWD downpipe.

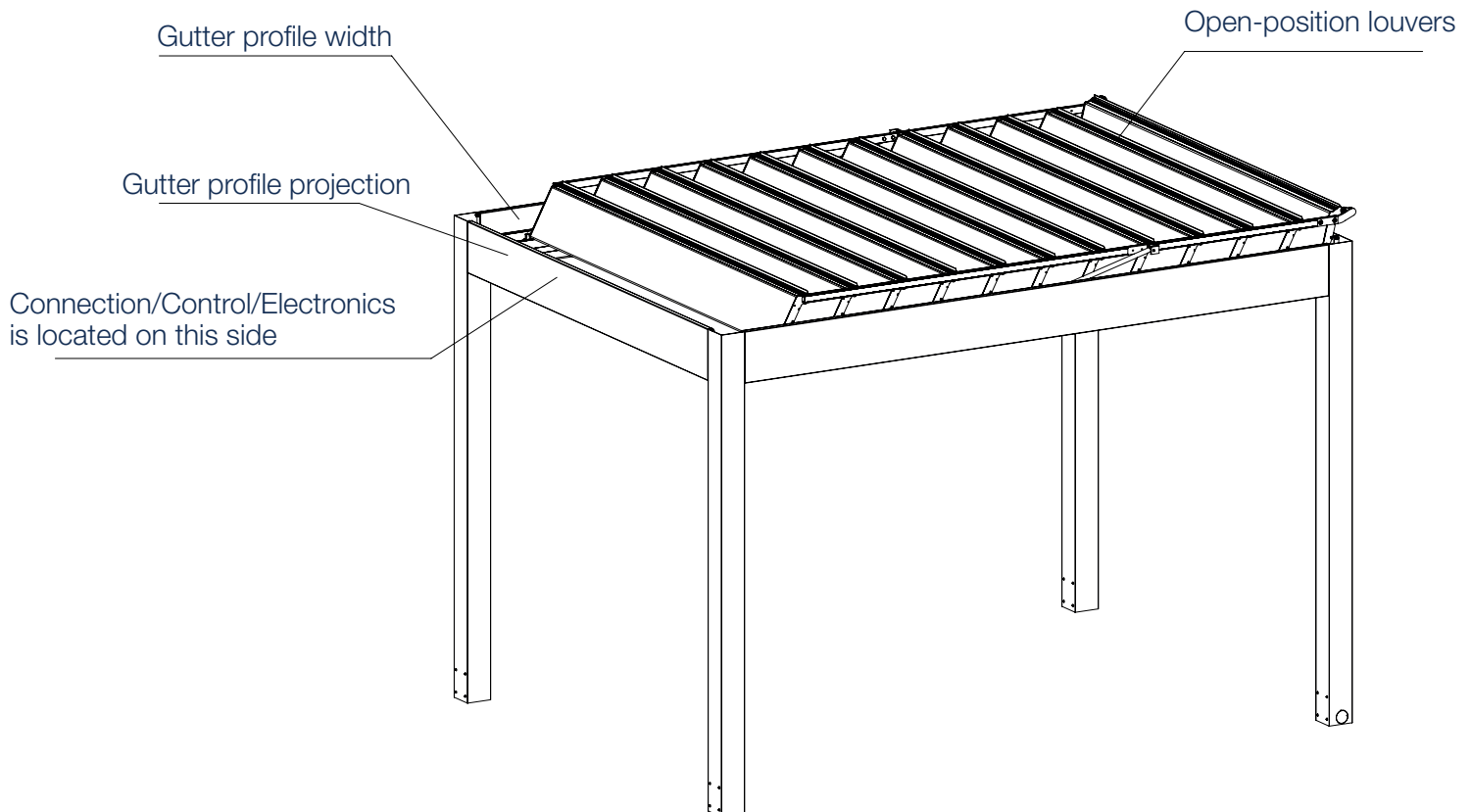




6.8 Installing Louvre insert profiles

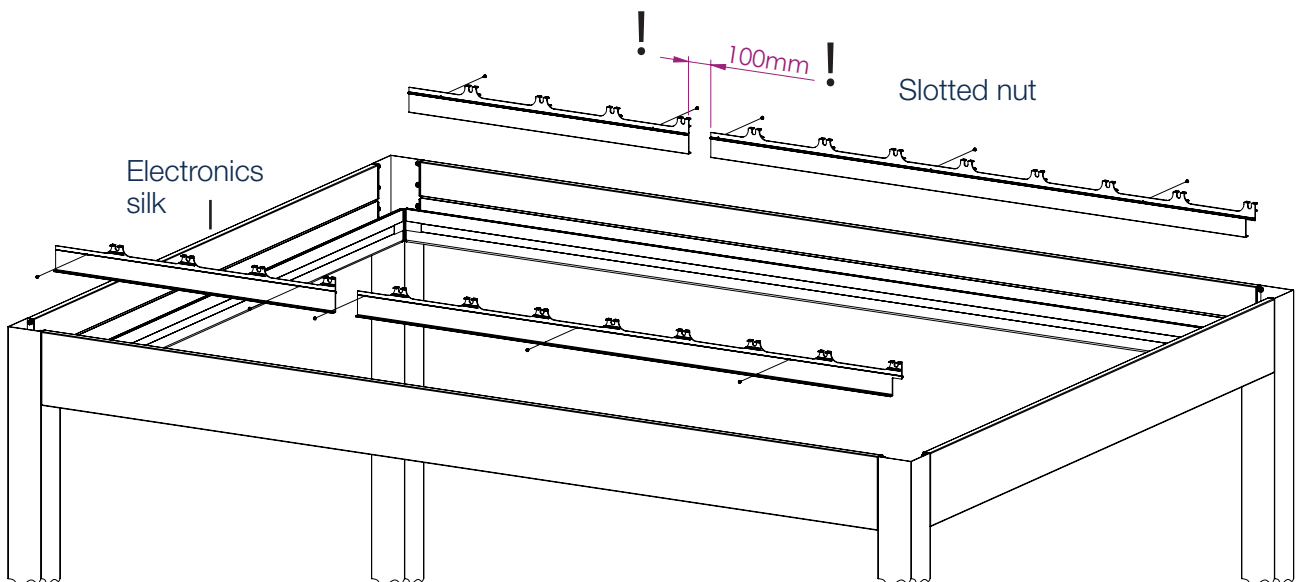
Step 1

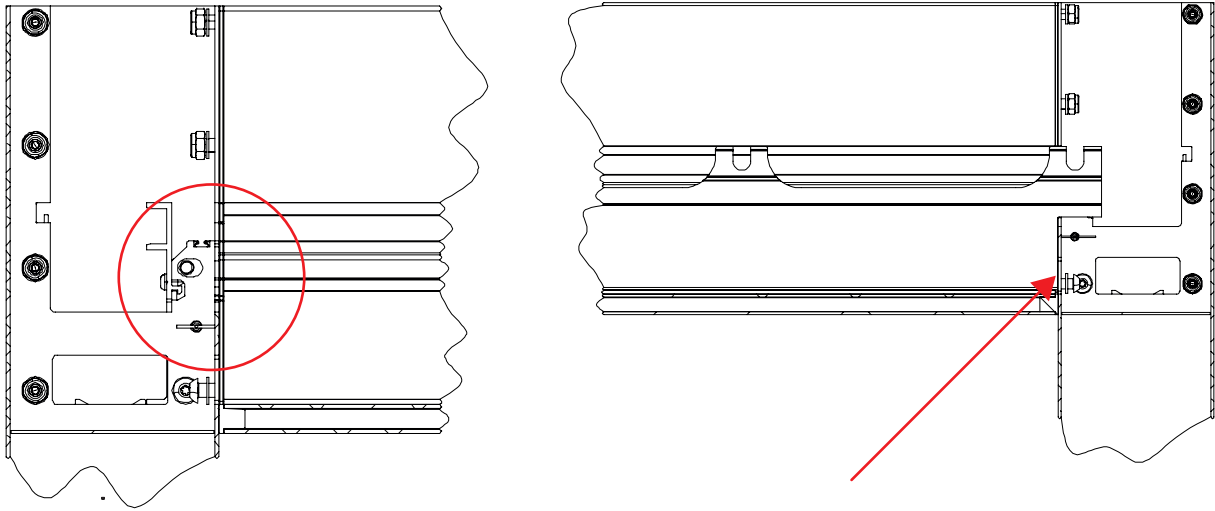
Determine on which side of the hood the electronics should be placed.



Step 2

Collect the four insert profiles. Depending on the desired louvre orientation, fit these into the gutter. Ensure that there is 100+ mm between the profiles. This spacing occurs automatically when the profiles are pressed firmly against the ends on both left and right sides. The motor support will be placed here later. Before assembly, slide the slot nut (POS.39) to this opening. Secure the insert profiles with the 5.5x13 screws.





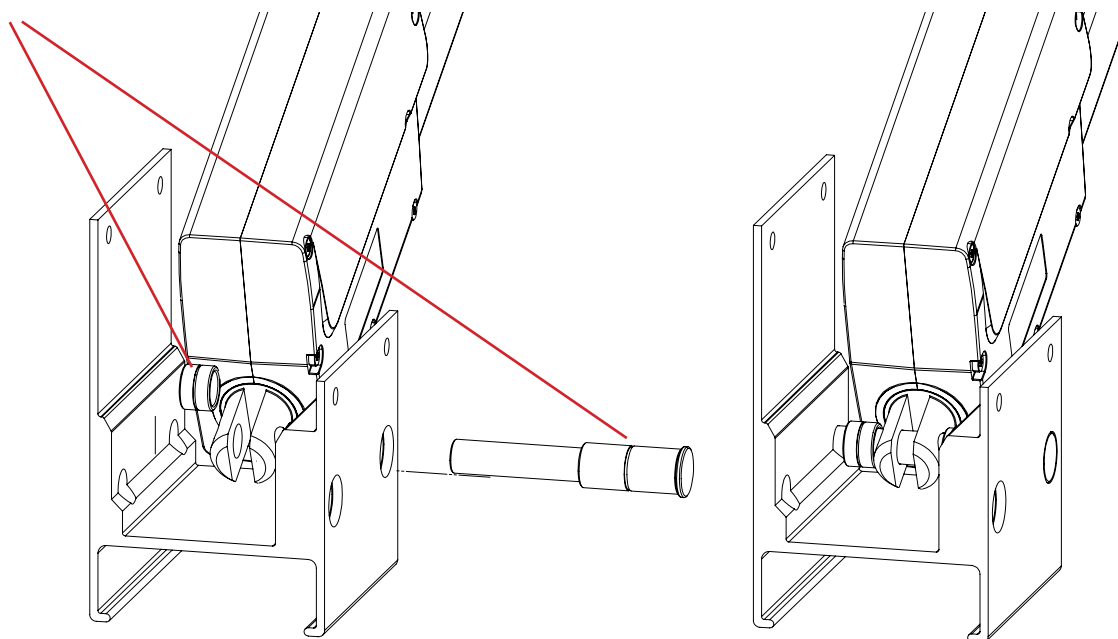
Ensure that the insert profiles hook into the gutter profile at the short side and that the profiles are secured against the post.



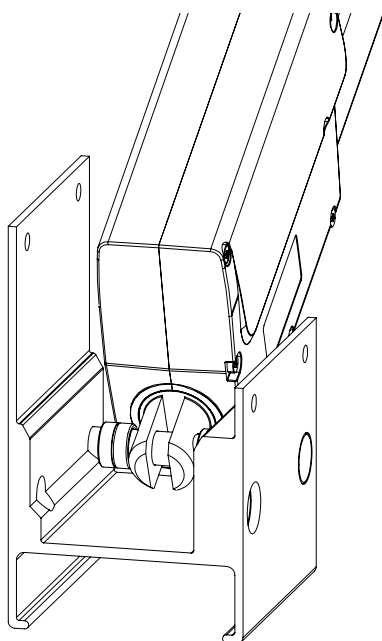
6.9 Installing engines

Step 1

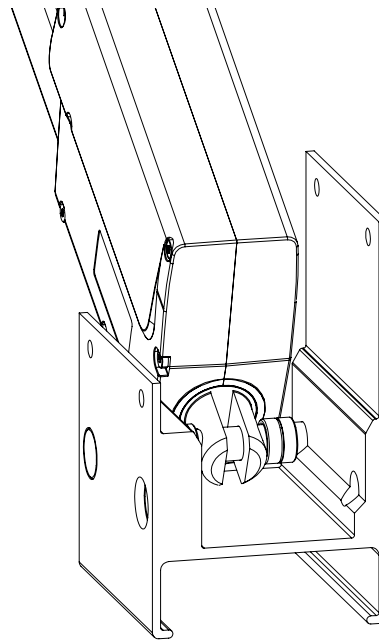
Assemble the motor bracket using the spacer ring and shaft, which are identified by their markings.



Do this for both the left and right sides.



Links

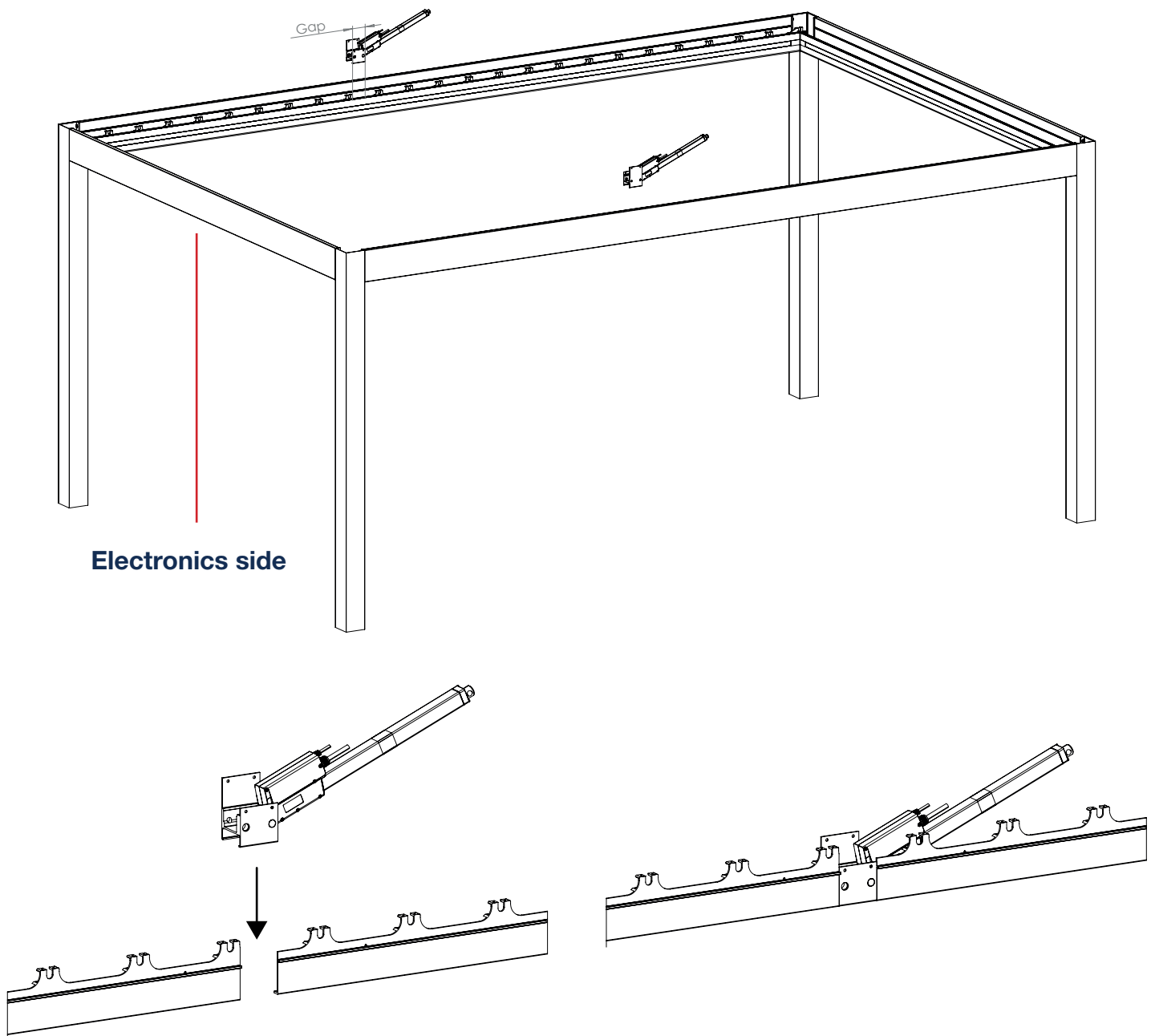


Right



Step 2

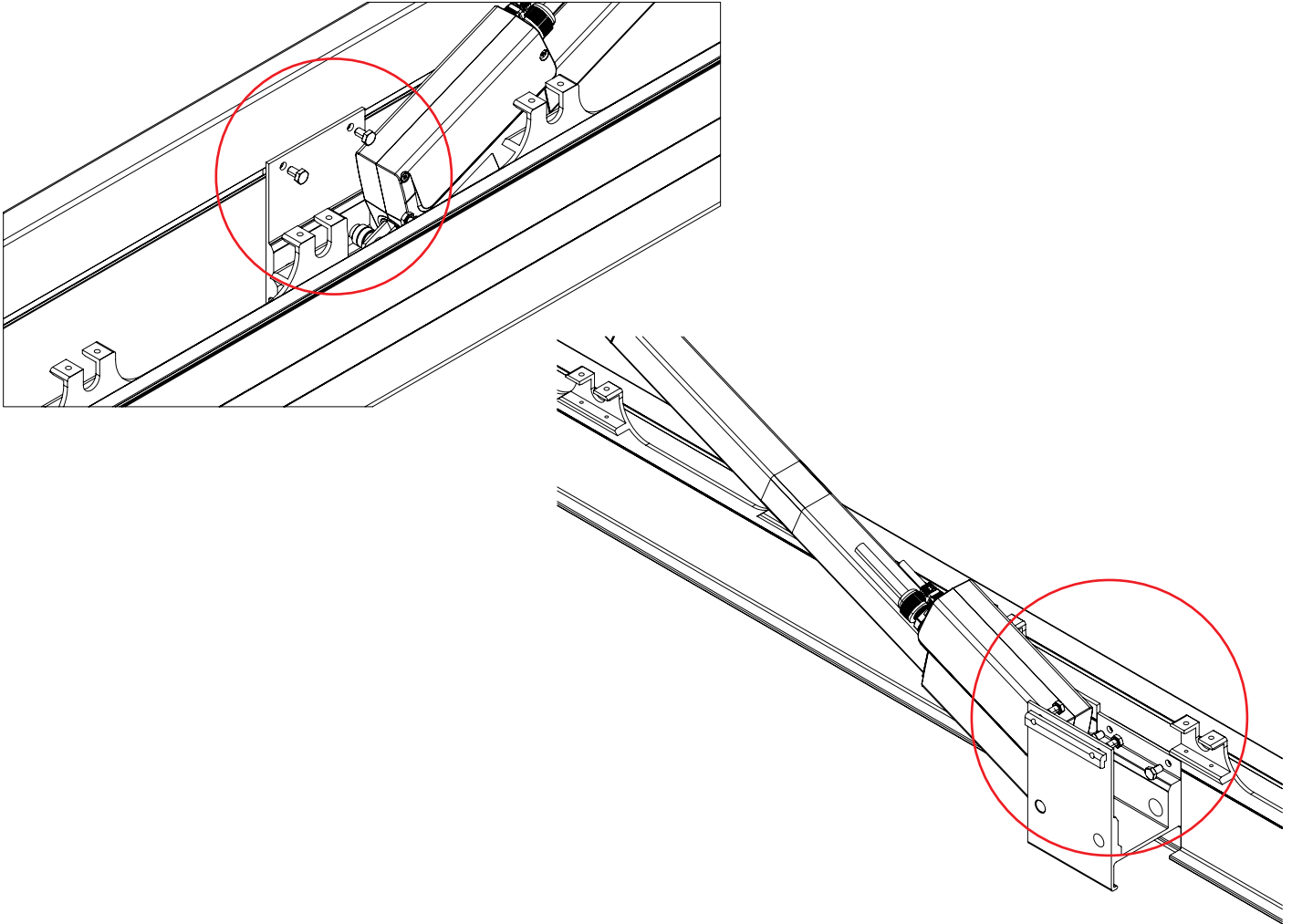
Place the motors with motor mounts in the gutter. These fit exactly between the insert profiles. Ensure that the motors and shafts are positioned in the holes furthest from the electronics box, with the shafts pointing away from it.





Step 3

Then use screws to attach the motor supports to the slot nuts in the gutter using the M6x10 hexagon bolts. Do this on both the outside and inside of the gutter.

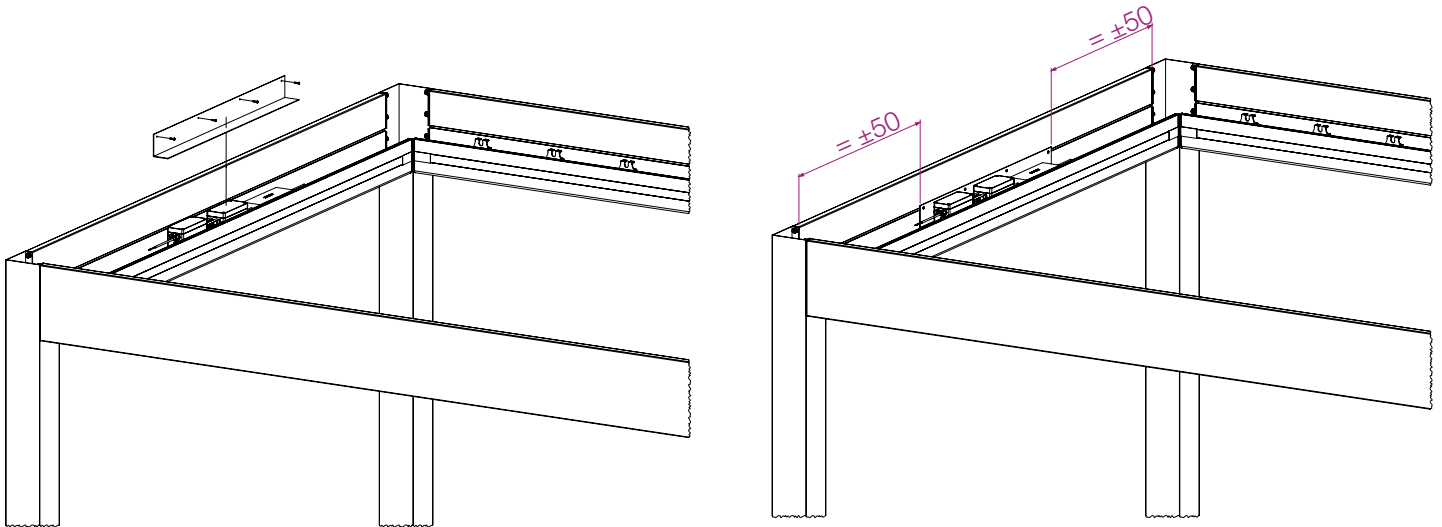




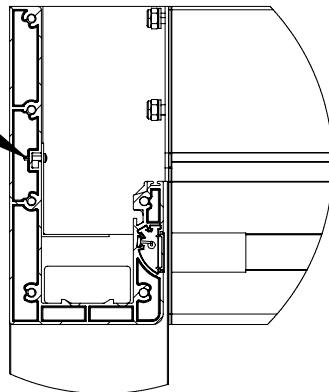
6.10 Installing electronics

Step 1

Mount the electronics support bracket at the centre of the projection gutter profile. Screw the 4 ST4.2x19 screws into the groove of the gutter profile projection.

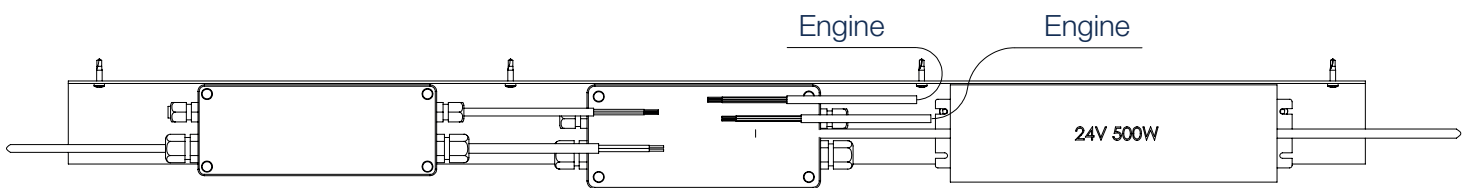
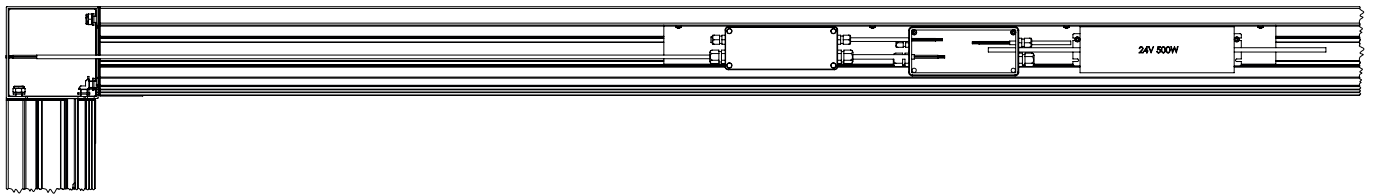
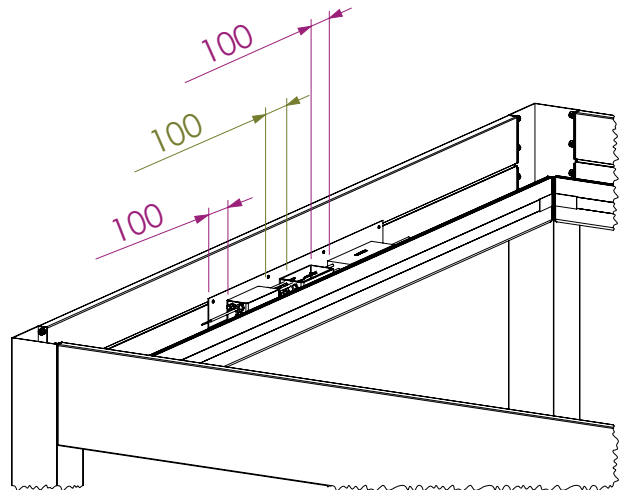
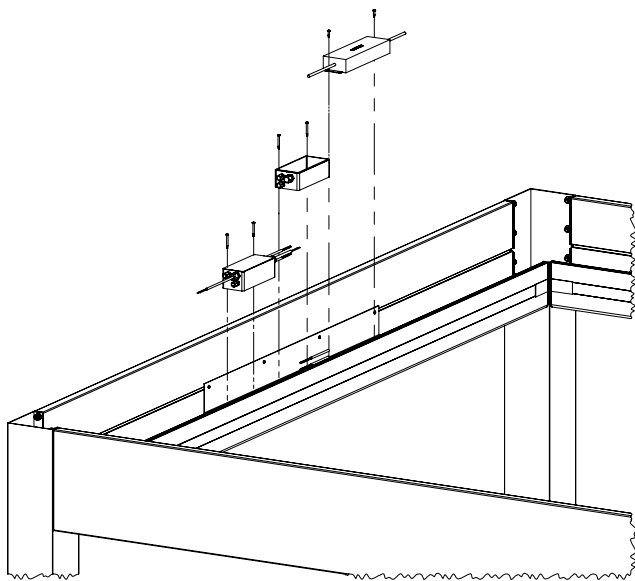


ST4.2x19



Step 3

Remove the covers from the two plastic junction boxes supplied. Take the junction box fitted with electronics and four outgoing cables. Position it on the plate, on the left-hand side, approximately 100 mm from the edge, between the screw heads. Use 2 self-tapping screws ST4.2x40 for this. Then, using 2 self-tapping screws ST4.2x19, place the second junction box approximately 100 mm away, again between the screw heads. Then place the 24V power supply on the right-hand side of the plate, with the input connection (230V/50Hz; blue, brown and yellow/green coloured wires) on the right and the output connection (24V) on the left. Replace the cover of the motor control box.

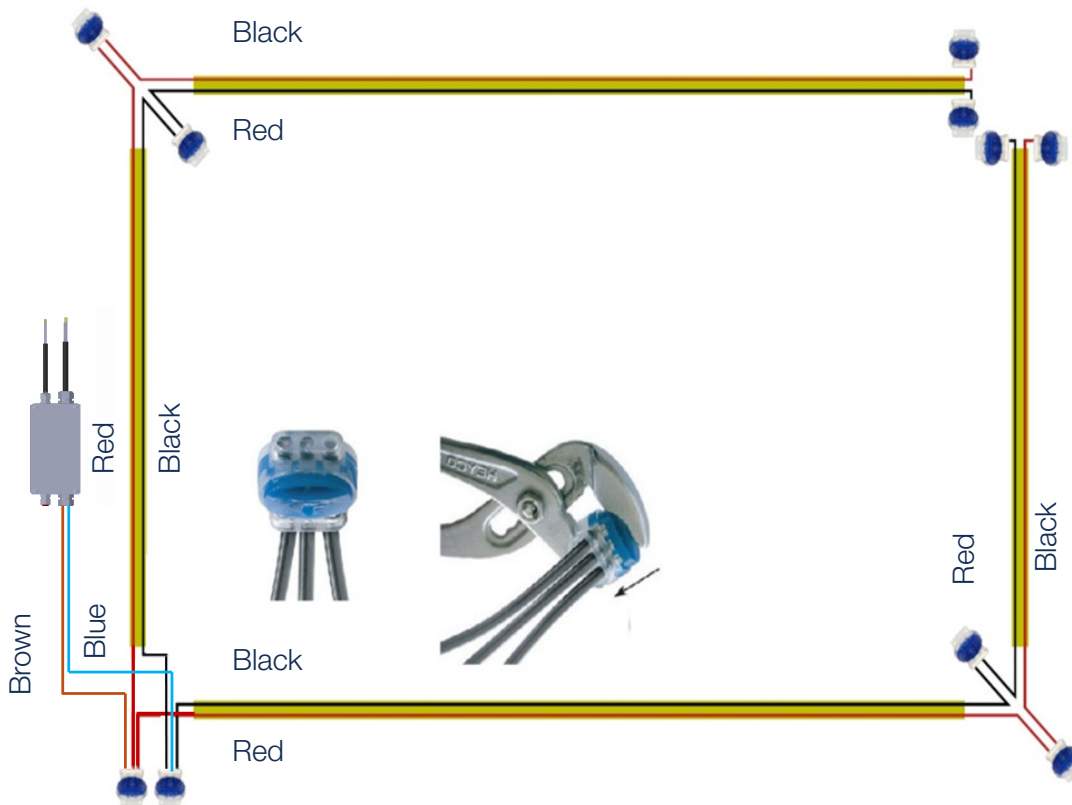




Step 4

Route the 3-metre cable to the nearest post.

Connect the LED strips and connect them to the 3-metre cable from the motor control box, according to the diagram below. Use the Scotchlok connectors for this.



Note 1

The cables of the LED lighting are soldered and therefore more vulnerable at the solder point. Do not pull or bend them excessively during installation.

Note 2

Scotchlok connectors do not require the cable ends to be stripped.

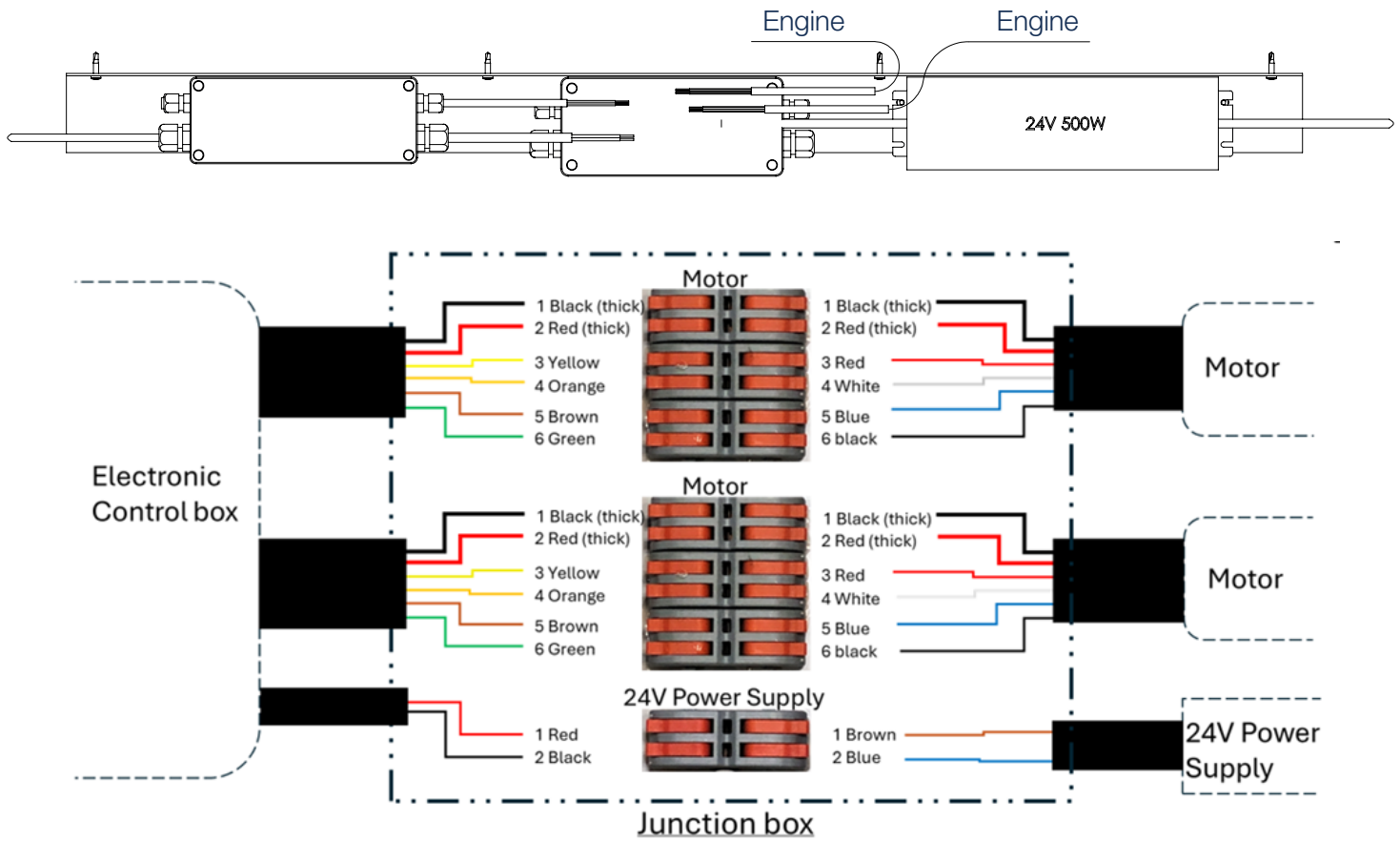
Note 3

Ensure that you secure all loose wires with one Scotchlok. Use only one Scotchlock per loose wire. This prevents short circuits between the wires and the frame, or between the wires themselves.

Step 5

Feed the remaining three cables, to the right of the control box, through the middle box. Feed the 24V power supply cable through the middle box. Feed the two motor cables through as well. Connect the six cables according to the diagram below, using the supplied connector blocks (see also the diagram on the inside of the cover, middle connection box).

Replace the cover of the middle connection box.

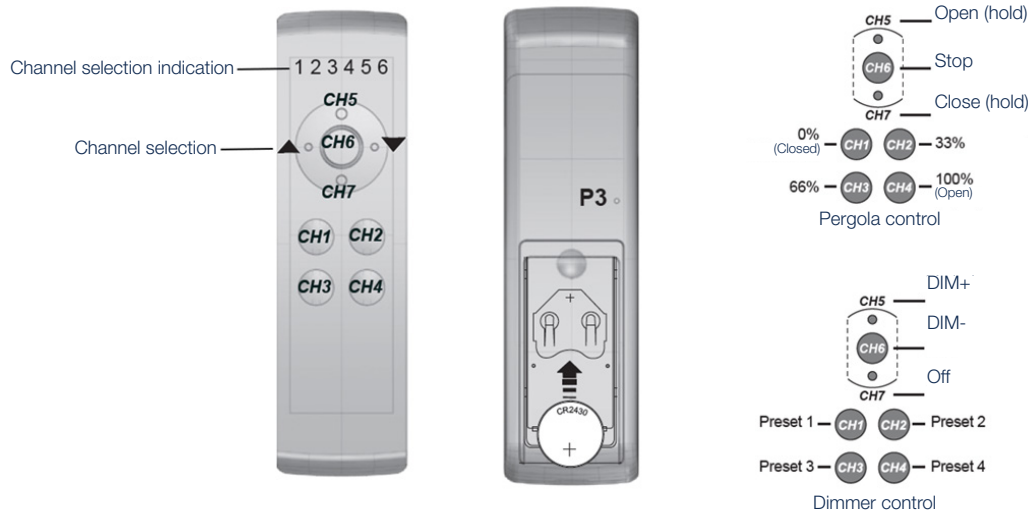


Step 6

Connect the input side (230V/50Hz) of the power supply to the mains. The motor control box will emit a short audible signal. The motors can now be synchronised (see next chapter).



6.11 Remote control



Step 1

Take the supplied remote control from its packaging. It is pre-paired with the motor control box. Using a thin pen or paper clip, press and hold button P3 — located in the small hole on the back of the remote — for 10 seconds until you hear a beep. Please note: make sure the remote control is set to channel 1. The two motors will automatically synchronise by completing four full open/close cycles. When a continuous beep is heard, synchronisation is complete. The motors and remote control are now ready for use.

Step 2

Go to channel 1 on the remote control and check the operation of the motors using the OPEN and CLOSE buttons. Go to channel 2 to check the operation of the lighting. This is already linked.

Note

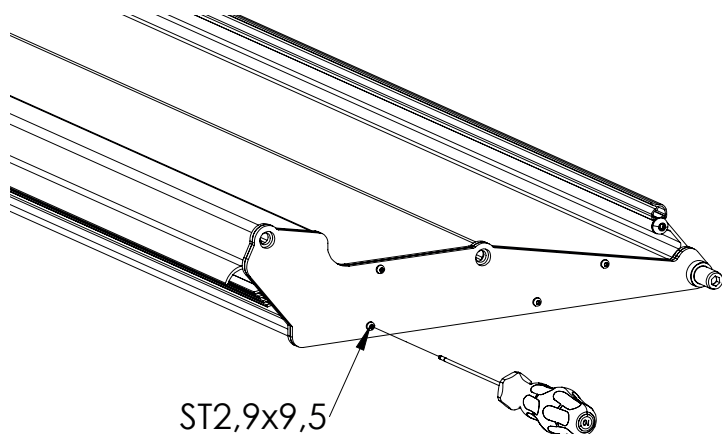
The remote control, a 7-channel transmitter with automatic commands, is already paired with the control box. If necessary, this pairing can be undone and redone. Repairing is only possible if the existing pairing has been undone first.

To perform these steps, follow the instructions in the control box manual. The buttons P1 and P2 described therein are located on the inside of the control box. The manual is supplied with the control box.

6.12 Preparing the Louvres

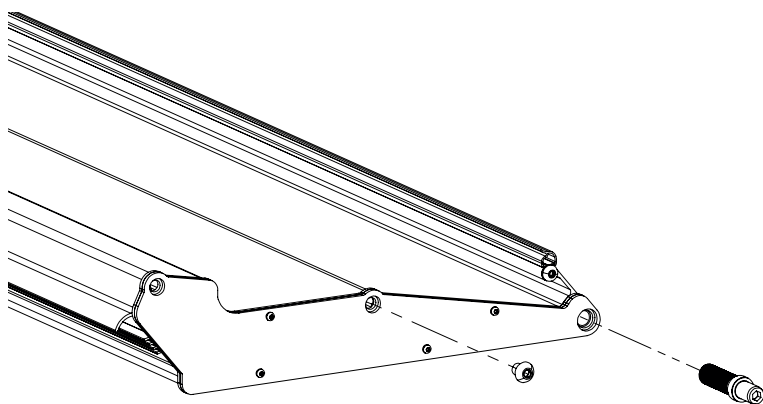
Comments

The louvre side covers are pre-assembled. Before installing the louvres, tighten the ST2.9x9.5 screws on the side covers.



Step 1

Fit the louvre welds (item 37) and the M8x10 dome head screws (item 38) on both sides of the louvers.

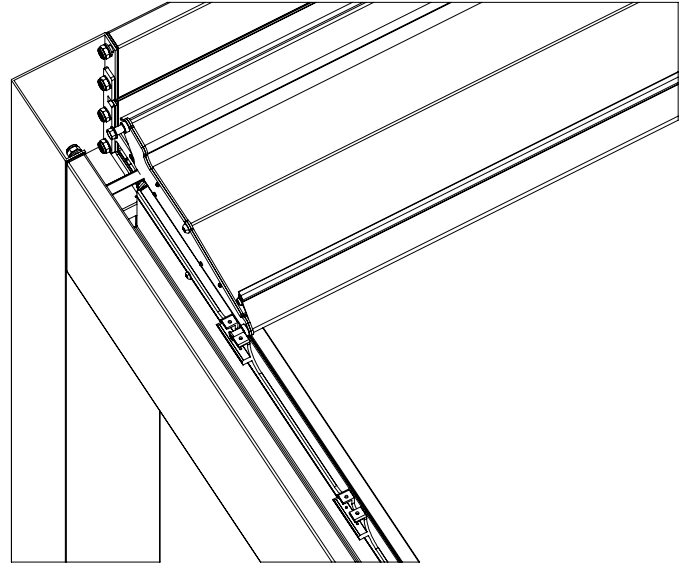
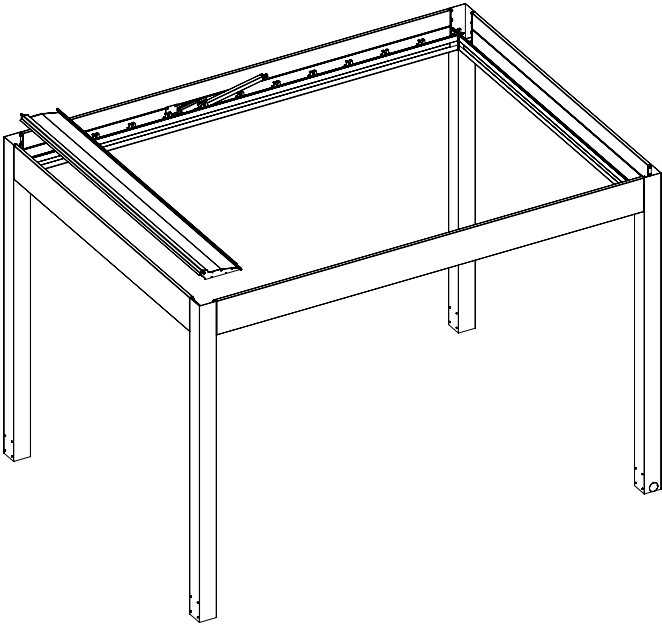




6.13 Installing louvers

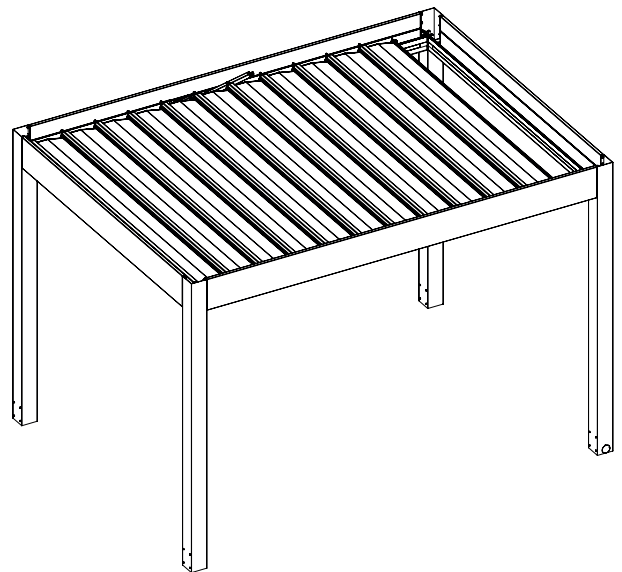
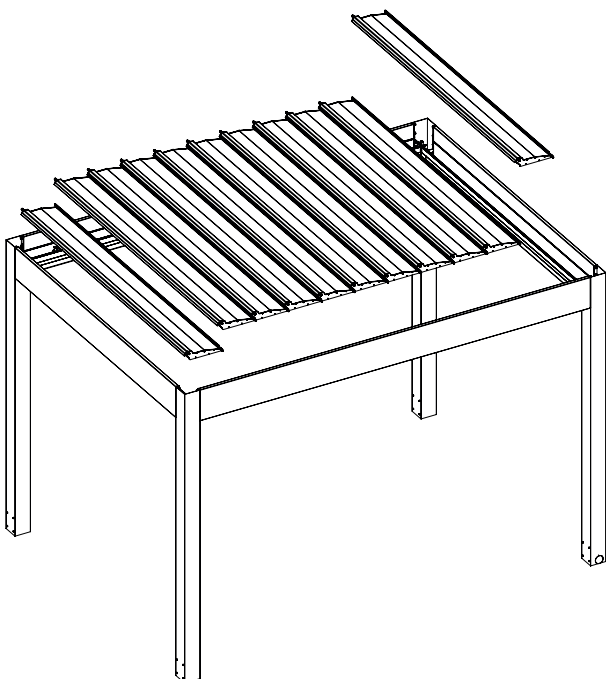
Step 1

Place the first Louvre in the milled groove of the insert profile, starting with the Louvre on the side of the electronics box.



Step 2

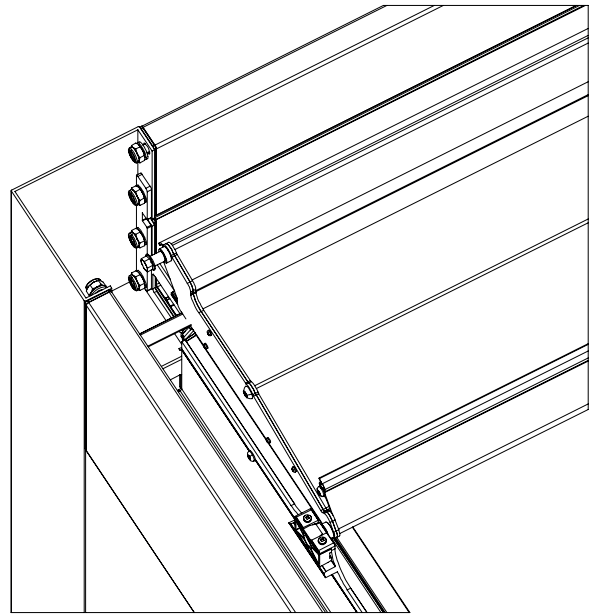
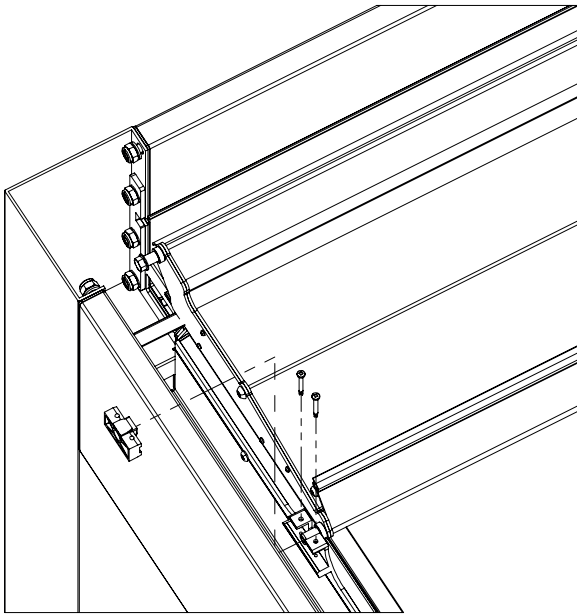
Place the following louvers up to the penultimate louver. Leave the last position for the louver empty. This louver will be fitted later using an extension piece.





Step 3

After installing the louvers, they must be secured. To do this, slide the bearing blocks (item 51) into the insert profile, around the axles of the louvers. Use a flat tool or lever if needed to press them fully into place. Secure the bearing blocks in the insert profile with ST4.2x40 self-tapping screws (item 58).

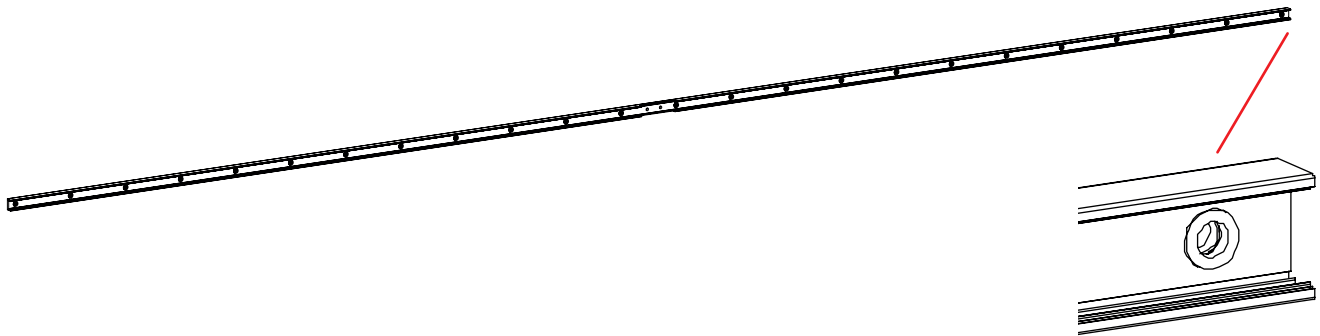




6.14 Fitting the control rods

Step 1

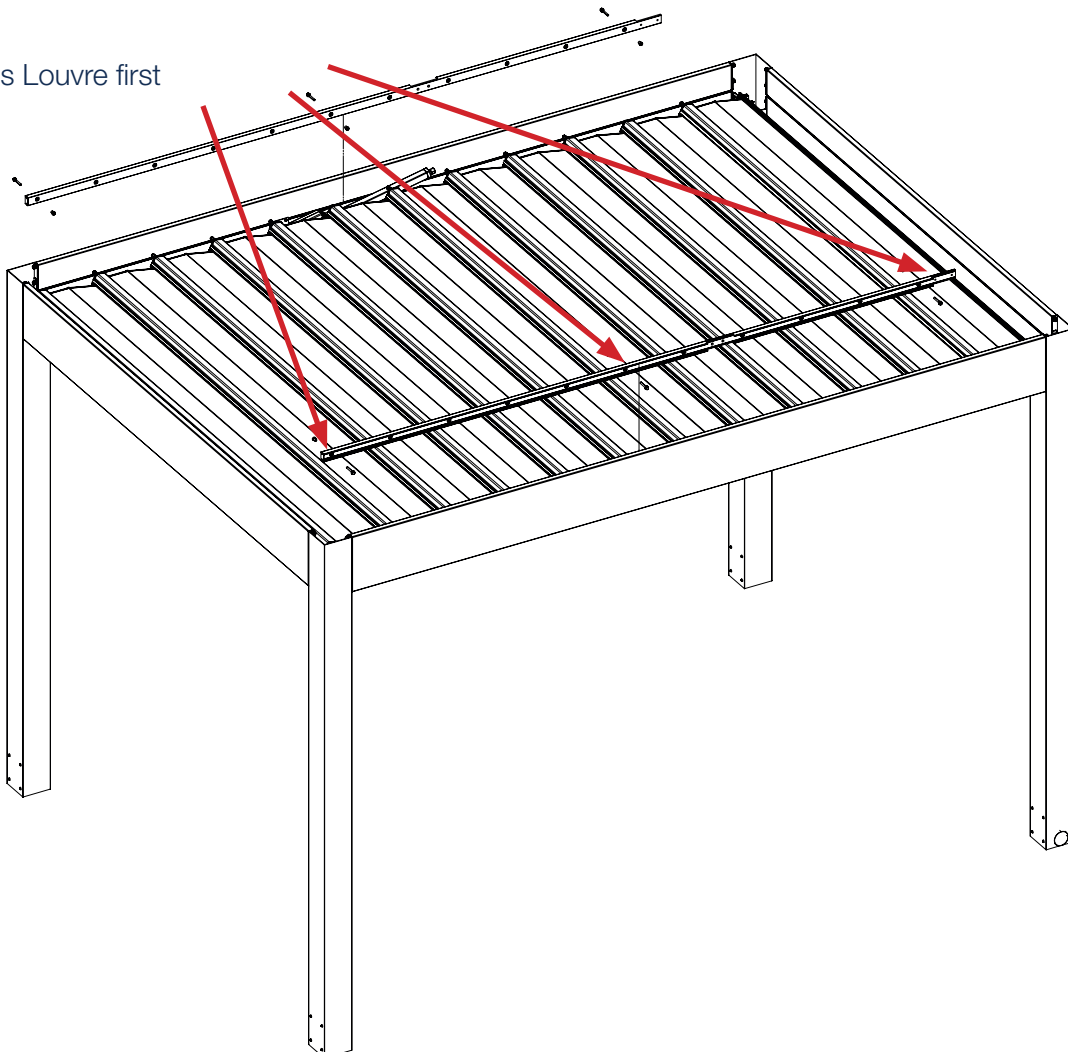
Collect both control rods and check that all bearings are still securely in place on both sides.



Step 2

Place the control rods in the gutters. Take the orientation into account. The cutout at the midpoint of the control rod should align above the motor end; the cutout at the tip should be on the side opposite the electronics. The control rods fit between the louvers and the motor.

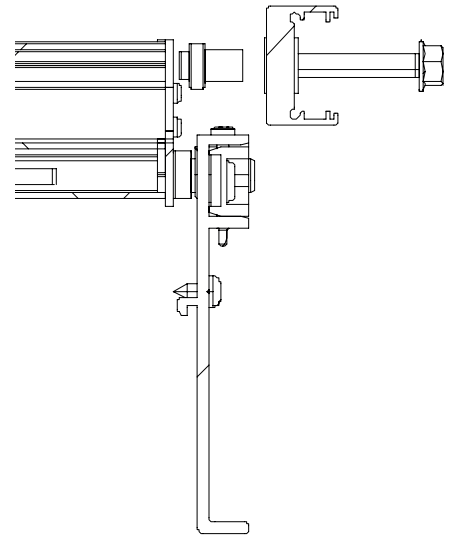
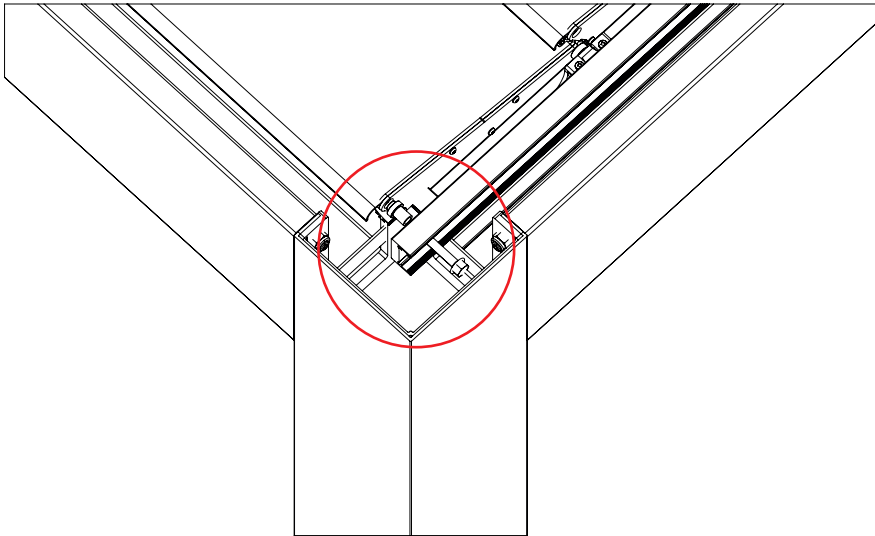
Fix this Louvre first





Step 3

Screw the control rods to three louvers: the first, the middle (just before the missing louve) and the last louve installed. Use M8x55 bolts (item 46) and the mounting bushings (item 47) for this. The mounting bushings go on the louvre side, the bolts go through the control rod and bushings and are secured in the louvre. Do not tighten everything yet. The other louvres will be added later!

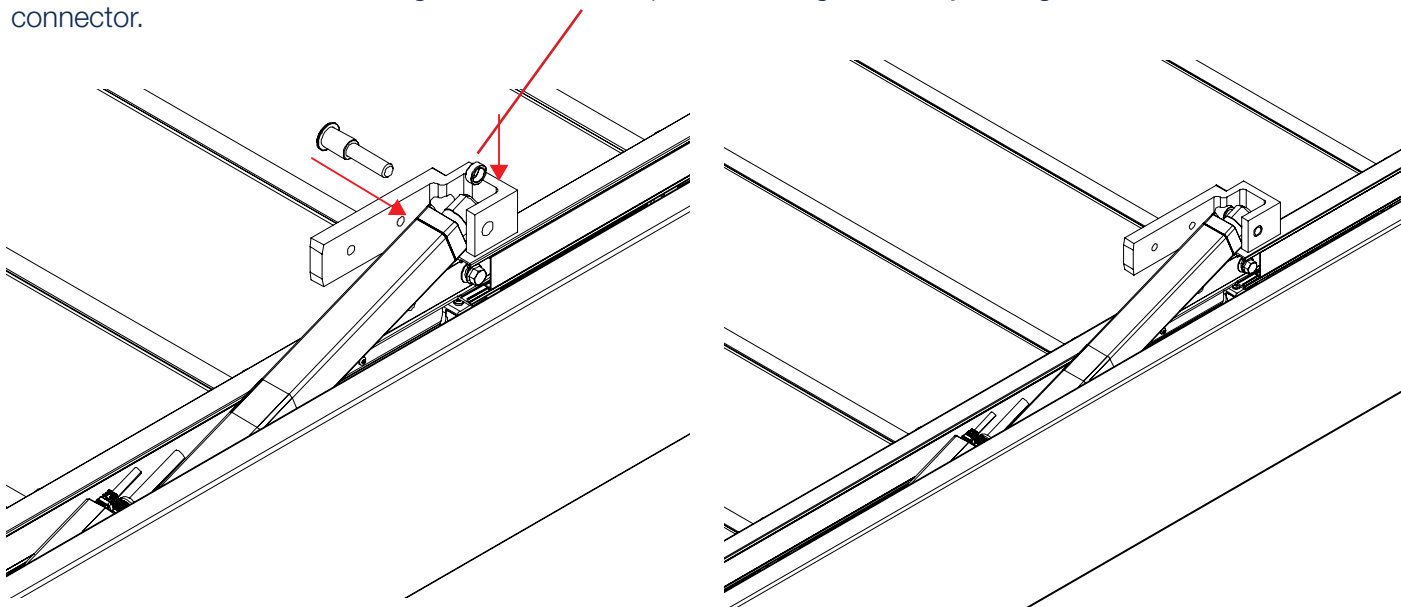




6.15 Connecting the motor to the control rod

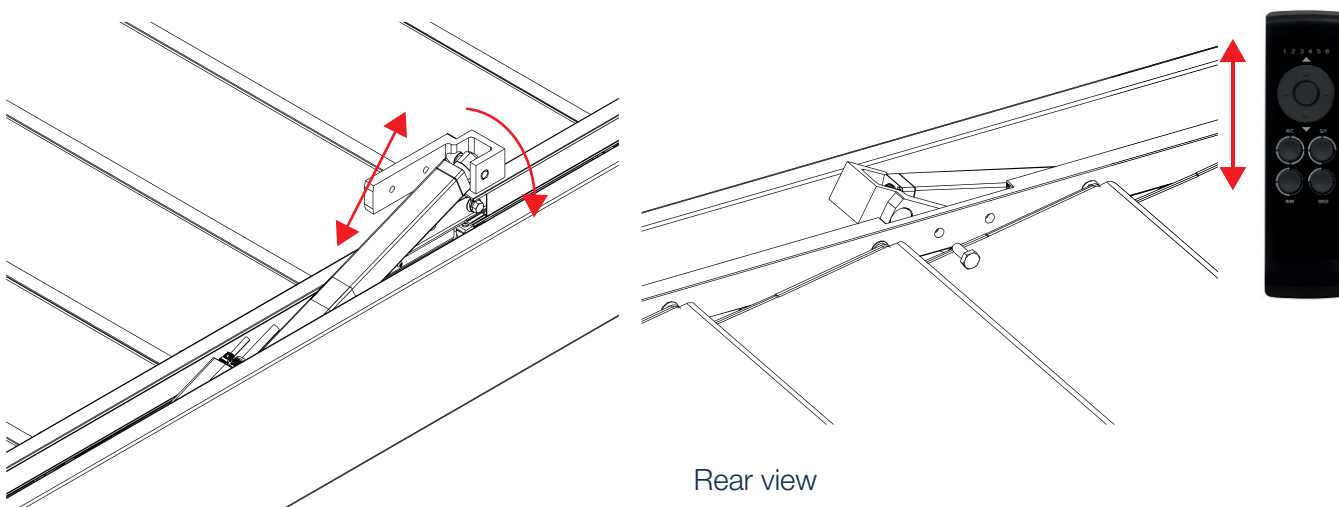
Step 1

Assemble the motor support together with the motor. Slide the shaft through the inside of the cover, through the motor connector, then through the motor, the spacer bushing and finally through the outside of the connector.



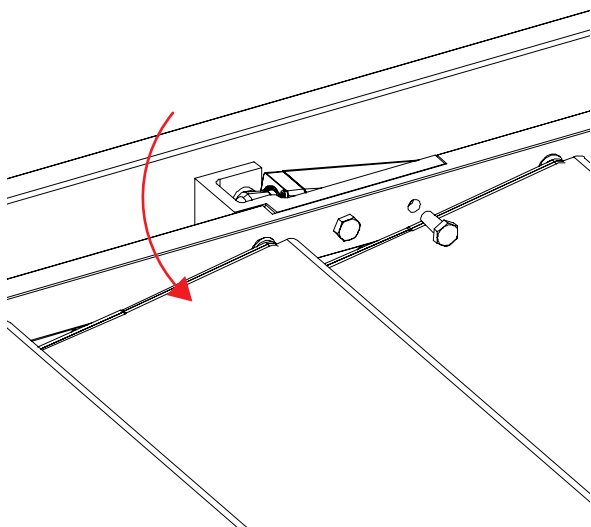
Step 2

Now place the motor connector between the milling of the control rod. Use the remote control to extend or retract the motor until the connector aligns correctly. Once the centre hole in the milling aligns with the hole on the connector, it can be secured with an M10x25 bolt.



Step 3

Then tighten the motor connector to fit the second bolt. Tighten both bolts securely and repeat this procedure on the other side.

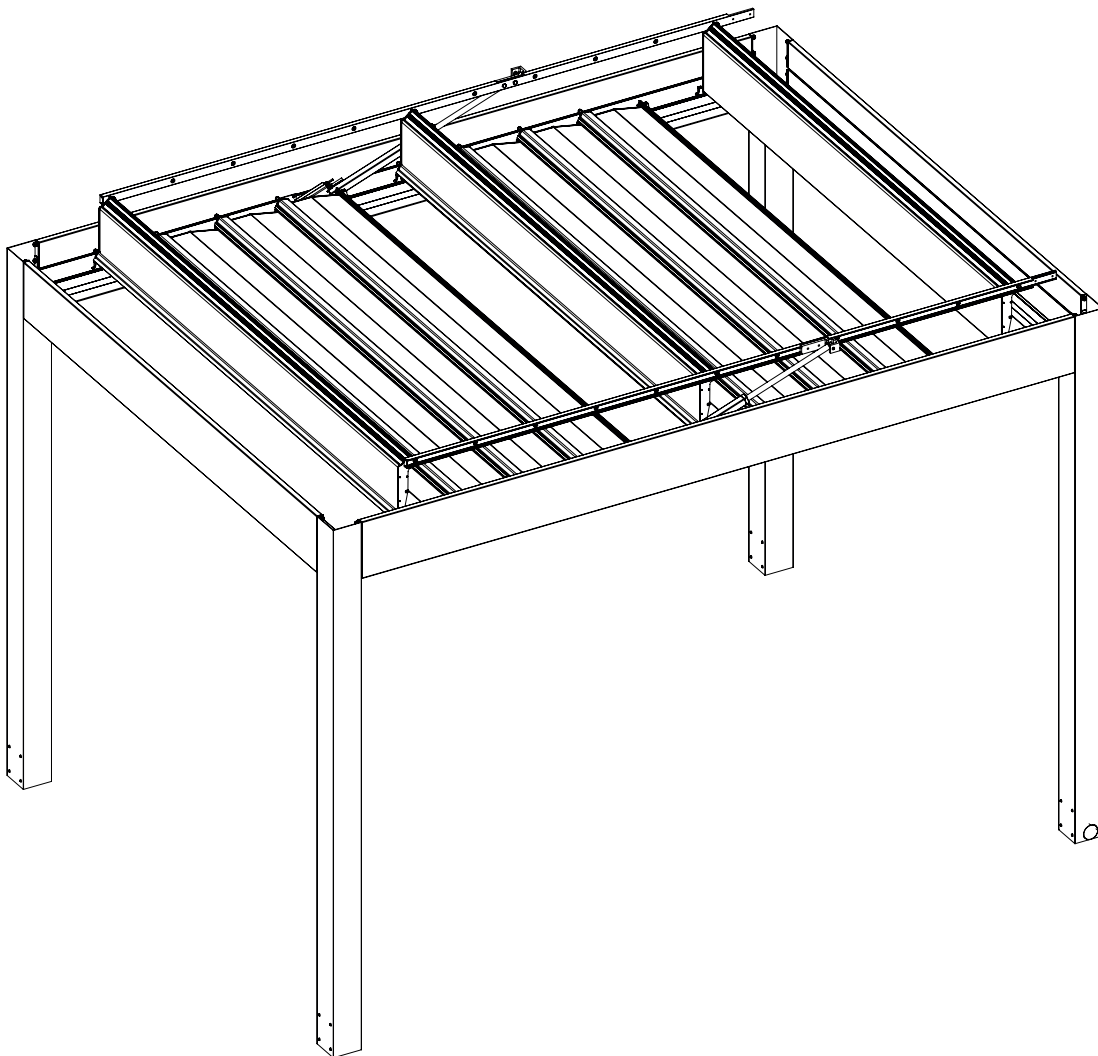




6.16 Fitting the louvers

Step 1

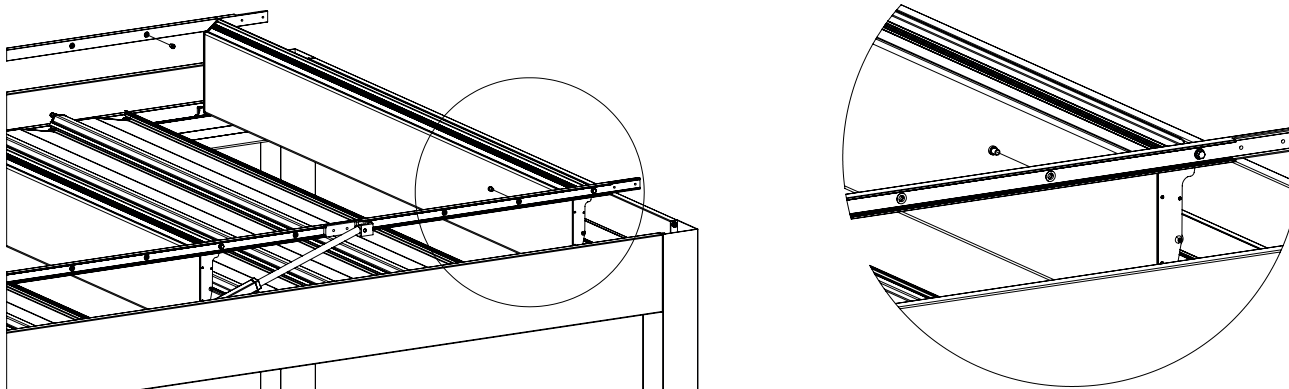
Use the remote control to place the mounted louvers in the vertical position. The other louvers will remain in place.





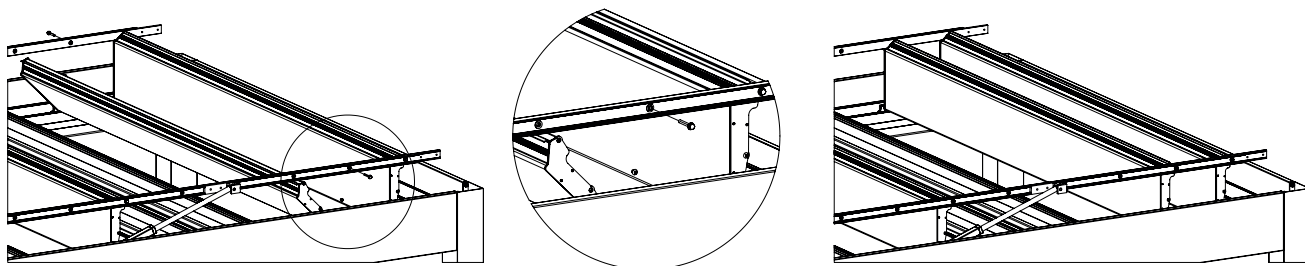
Step 2

Place a bushing in the control rod on both sides of the second Louvre.



Step 3

Turn the Louvre upwards so that the bushings are aligned with the screw hole in the Louvre and screw the Louvre to the control rod. Use the M8x55 bolt (item 46) for this.



Step 4

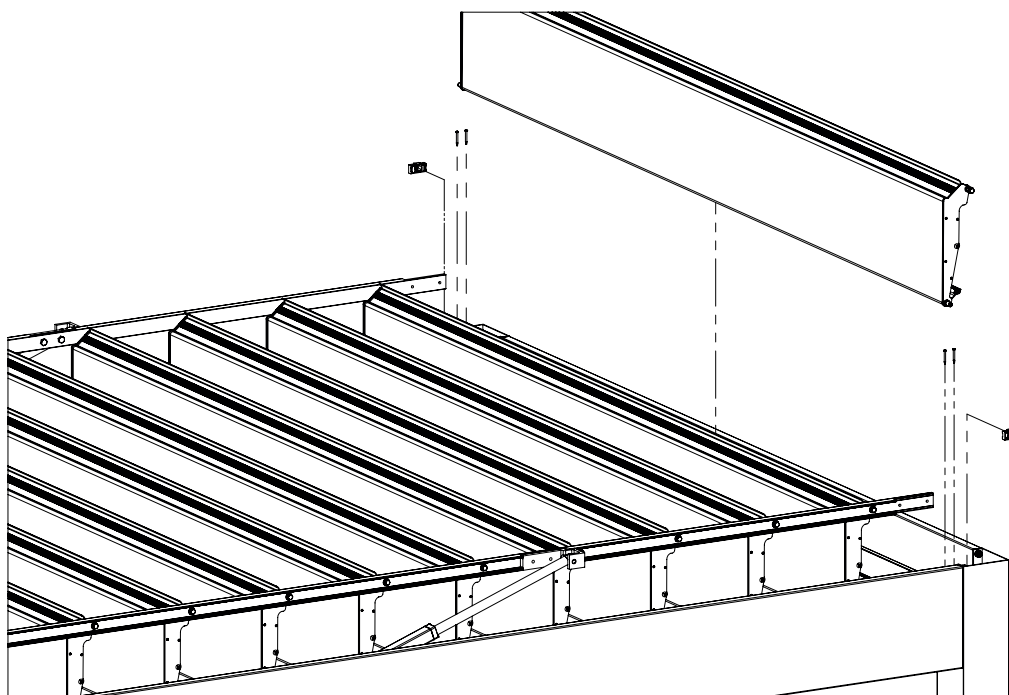
Repeat this for all louvres present.



6.17 Fitting the Louvre with extension piece

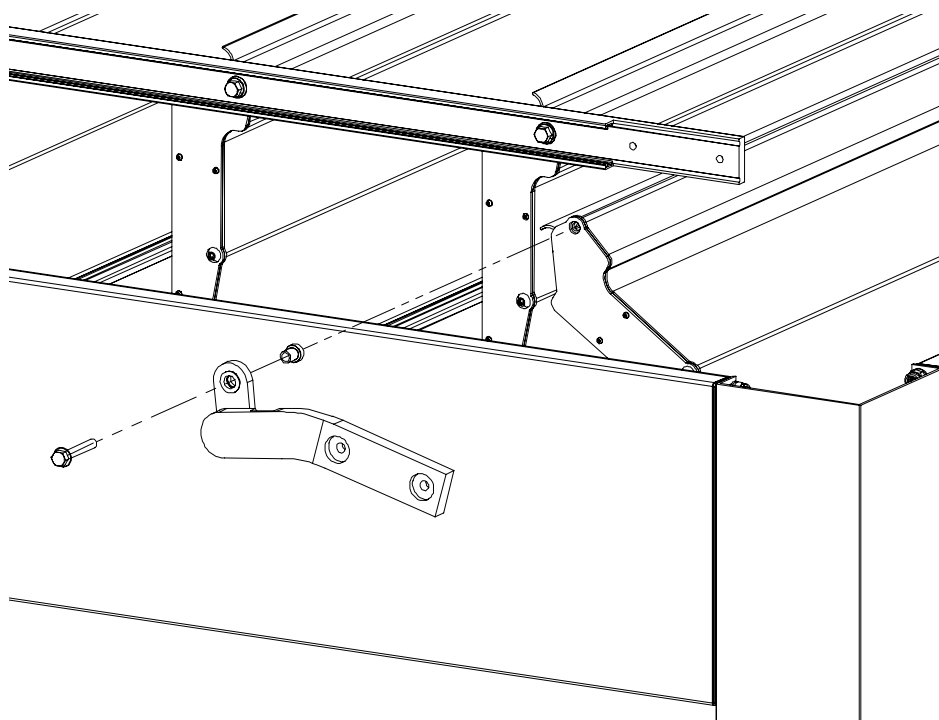
Step 1

Insert the last louvre into the insert profiles. Place the two plastic bearing blocks around the louvre axles, press them into the insert profiles and secure them with four ST4.2x40 screws.



Step 2

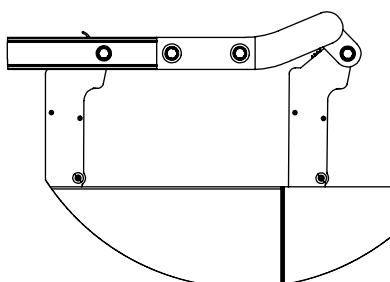
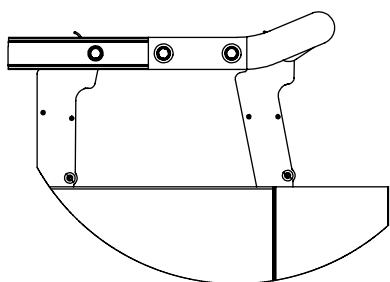
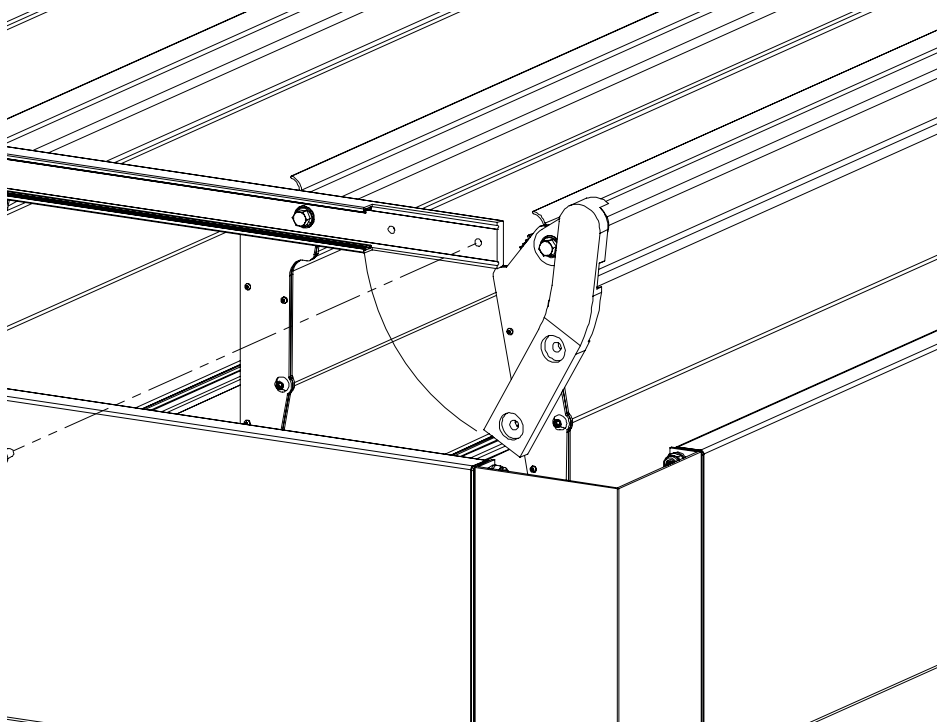
Place the Louvre against the other Luvers. Mount the hinge plate of the extension piece (items 35 and 36) to the last Louvre by inserting a bearing bushing into each hinge plate from the inside and securing it with an M8x55 bolt.





Step 3

Lift the Louvre and turn the extension piece so that the holes line up with the holes at the end of the control rod. Ensure that this louvre sits at a slightly less open angle than the other louvres.



Step 4

Secure the extension piece with the M8x20 bolts (item 48). Do this for both control rods.

Tip:

Check that all louvers are properly tightened. Synchronise the motors once more (see section 6.11).

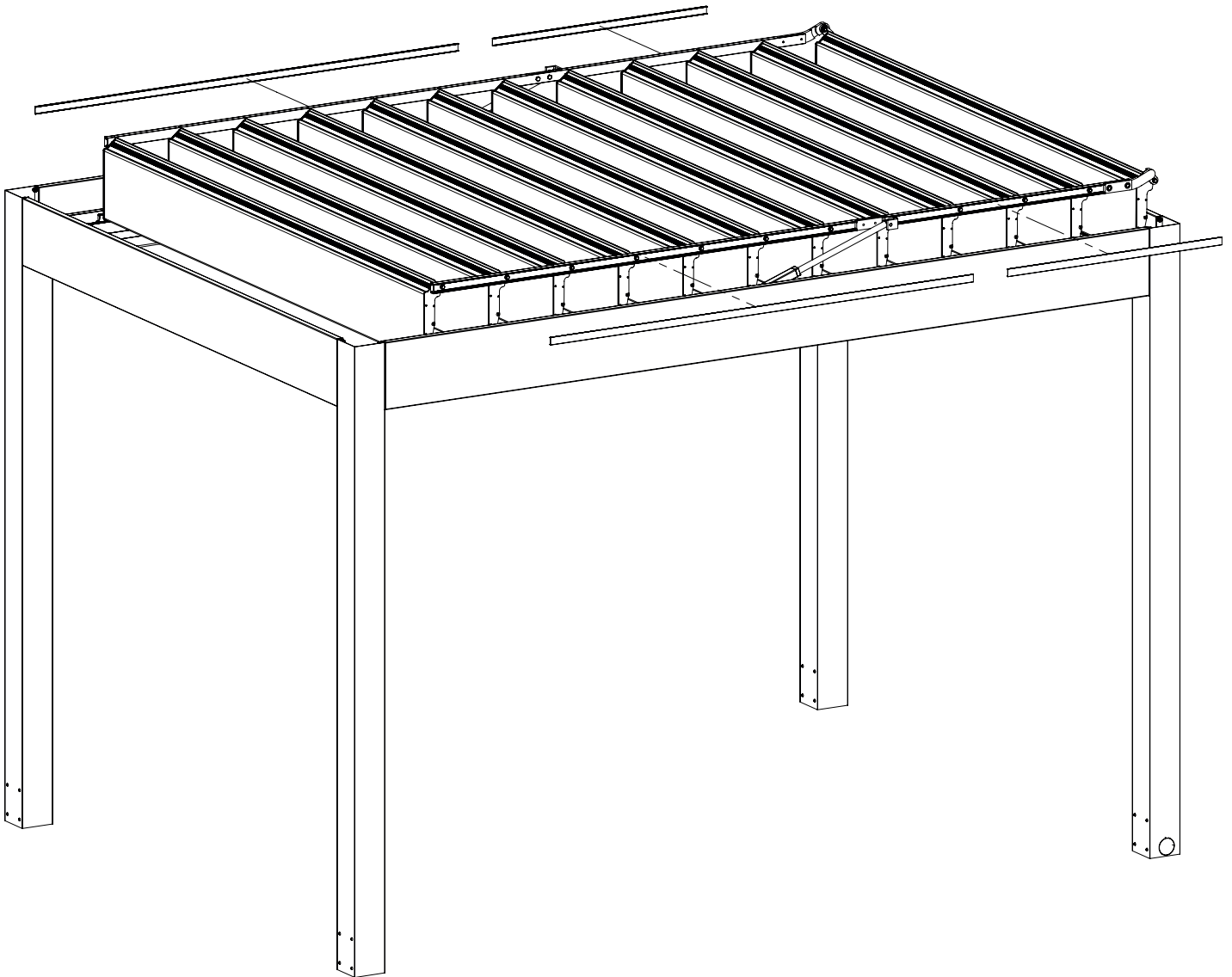


6.18 Finishing control rods

Step 1

Collect the four finish covers and click them into the control rod. Secure them with a rubber seal. Decide in advance which profile goes where; there are two lengths.

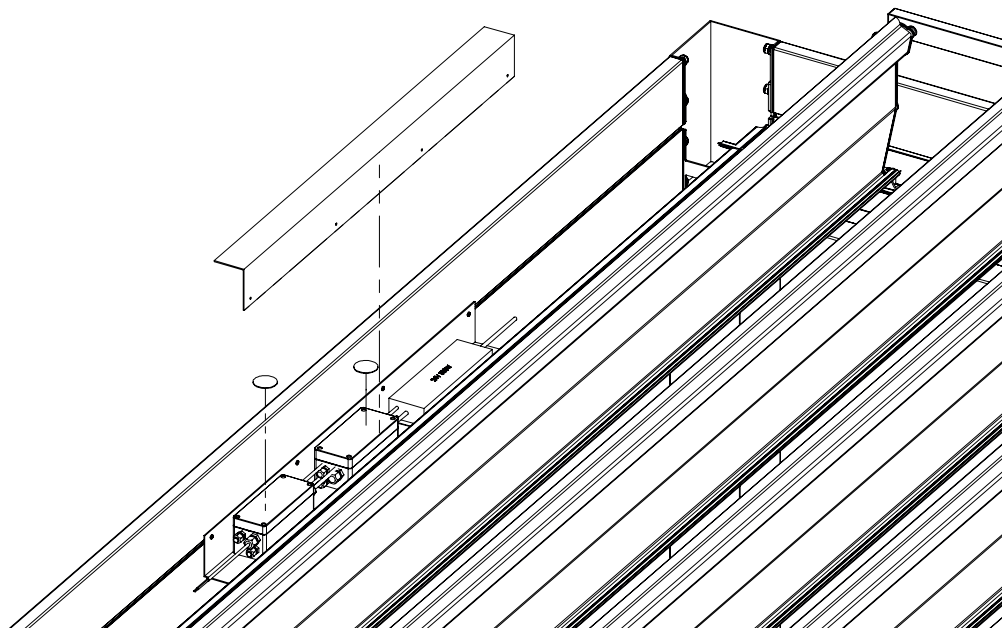
Please note: Secure the profiles carefully to prevent dents.





Step 2

Remove the protective film from one side of the pads and place the two double-sided tape pads (item 53) on the cover of the existing electronics boxes. Remove the second protective film and stick the remaining electronics support onto the double-sided tape pads.



Second calibration

Press button P3, located behind the hole on the back of the remote control, using a thin pen or paperclip for 10 seconds until an audible signal is heard. The 2 motors will now automatically resynchronize by fully extending and retracting 4 times. When a continuous sound signal is heard, the second calibration is complete.

Congratulations! The Pinela Tilt is now complete!

Open/close the system several times to check that everything is correct.



7. Maintenance

We recommend maintenance and cleaning of the veranda at least once a year. Check that the screws are still tight. If not, tighten them securely.

Dirty aluminium profiles and louvres can be cleaned using lukewarm water and a mild cleaning product.

- Use a soft brush or sponge.
- Please note: never use abrasives, harsh solvents or high-pressure sprayers.
- Rinse thoroughly with plenty of water and then wipe with a soft cloth.
- Never use a high-pressure sprayer

Deponti B.V. has a special cleaning agent in its range.

8. Disposal of waste

Dispose of the product in accordance with local laws and regulations.

9. Warranty conditions

Warranty in accordance with Deponti's warranty conditions and general terms and conditions. These can be found on our website www.deponti.com.

All manufacturing defects are covered by the warranty within the following periods:

Powder coating (standard aluminium parts)	5 years
Remote control and receivers	2 years
Electrical	2 years
LED lighting	2 years
Engines	2 years

*The powder coating warranty for aluminium parts is two years when the product is installed in a location where it comes into contact with salt or chemical vapour (near ports, coastal areas, and swimming pools).

10. Contact

Important: The Deponti partner is your first point of contact for questions and comments.



 1231	
Deponti Rijnstraat 20a 5347KN Oss NL 26 1231-CPR-1090-1-2410-D-344	
EN 1090-1:2009/A1:2011 PLPP Pinela Tilt Canopy	
Declared properties:	
Tolerances on geometrical data:	EN 1090-3
Weldability:	NPD
Fracture toughness:	NPD
Reaction to fire:	A2 - s1, d0
Release of cadmium:	NPD
Emission of radioactivity:	NPD
Durability:	NPD
<u>Structural characteristics:</u>	
Load bearing capacity:	Load chart acc. to Eurocode 0, 1, 9
Deformation at serviceability limit state:	Acc. to maximum load charts
Fatigue strength:	NPD
Resistance to fire:	NPD
Manufacturing:	1090-3, EXC2
NPD = No Performance Declared	