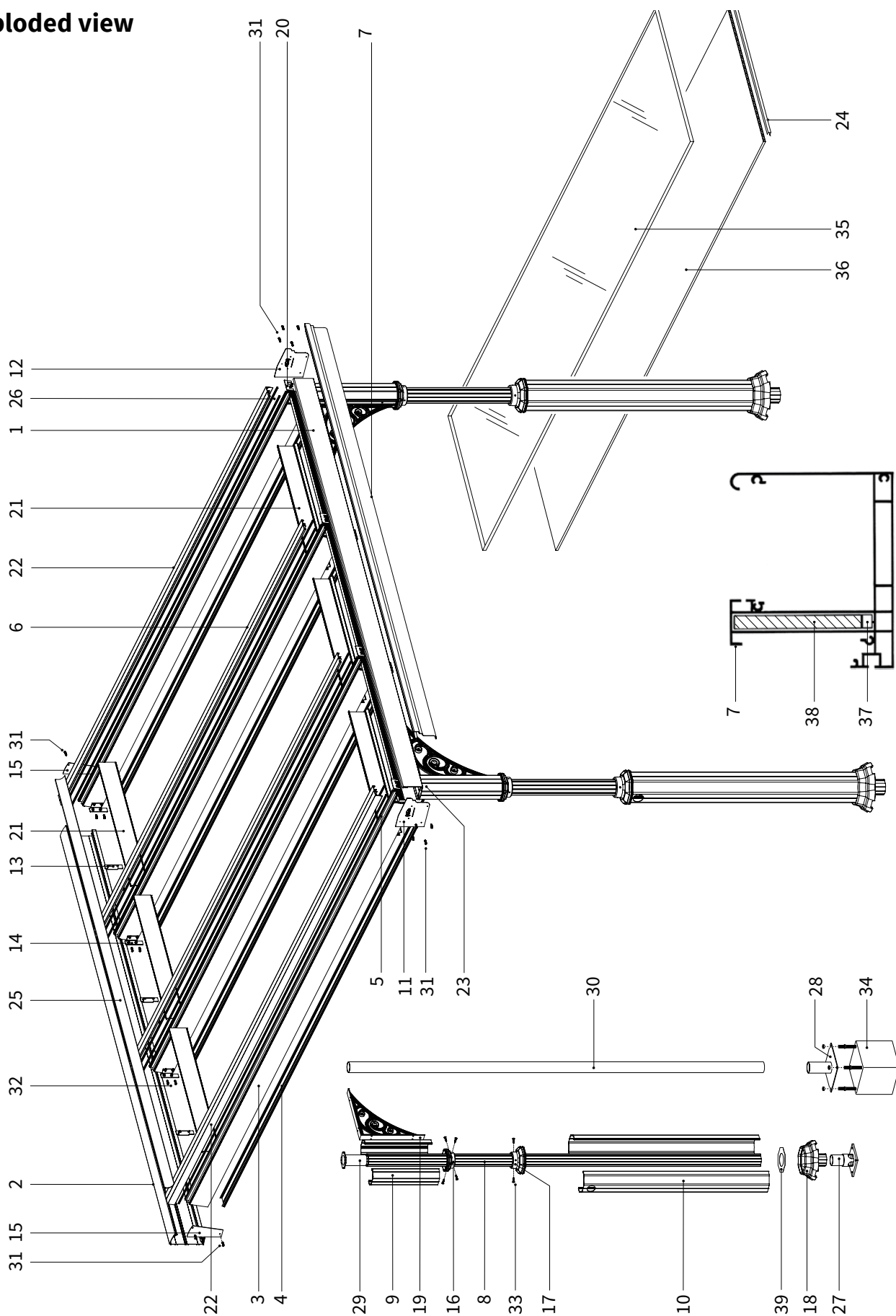


INSTALLATION MANUAL  
**VERANDA V918 - PURBECK**

## Index

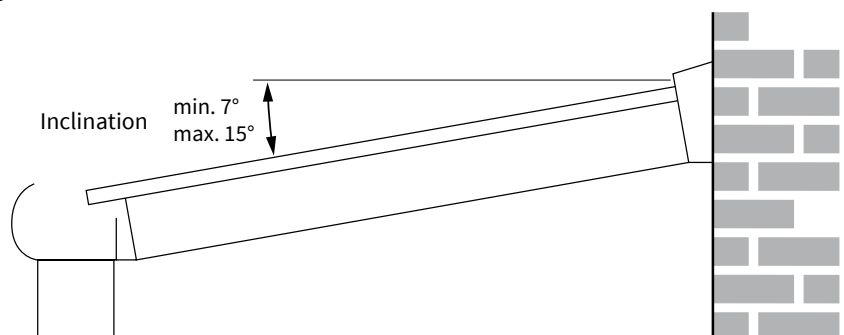
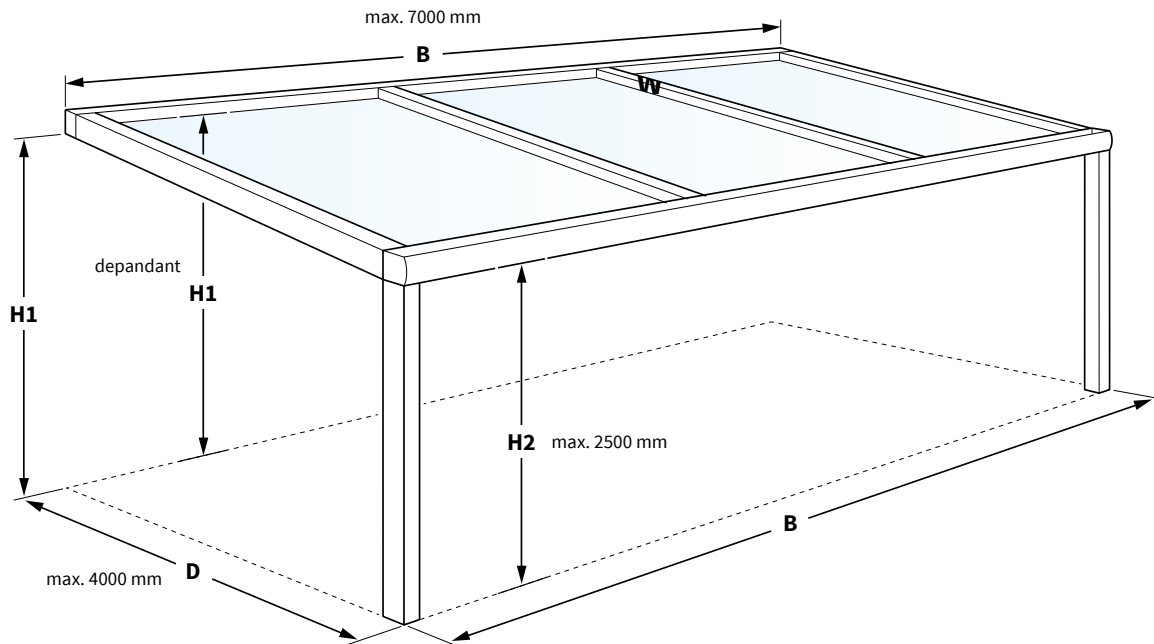
	page
Exploded view	2
Summary of the parts	3
Required tools	4
Important before installation	4
1. Mounting the wall profile	5
2. Mounting the uprights	6
3. Preparation of the gutter	6
4. Placing <u>with</u> foundation blocks (A)	8
5. Mounting the gutter	9
6. Placing <u>without</u> foundation blocks (B)	10
7. Finishing of the gutter	11
8. Placing the beams	12
9. Fixation of the glass plates or poly plates	15
10. Placing the covers and the cover rubber	16
11. Securing the uprights and mounting the molded parts	18
12. Finishing	18
Processing the polycarbonate plates	19
CE-statement	22

## Exploded view



## Summary of the parts

- |   |  |
|---|--|
| 1. Gutter   | 21. Click cover  |
| 2. Wall profile   | 22. End frame  |
| 3. Beam profile   | 23. Tulle  |
| 4. Click profile beam                                     | 24. Moisture profile polycarbonate                             |
| 5. Plastic frame beam                                     | 25. Cover rubber for wall profile                              |
| 6. Cover frame  | 26. Rubber cover strip (co-extrusion)                          |
| 7. Extension piece gutter                                 | 27. Foot plate upright water drainage                          |
| 8. Upright  | 28. Extension piece concrete foot                              |
| 9. Top profile, click in the front, click in the back     | 29. Connection piece gutter                                    |
| 10. Bottom profile, click in the front, click in the back | 30. Drain-pipe 50 mm   |
| 11. Side plate gutter, left                               | 31. Screw 4,2x25 DIN 7981                                      |
| 12. Side plate gutter, right                              | 32. Screw 4,8x25 DIN 7981                                      |
| 13. Fixation bracket beam, left                           | 33. Allen adjusting screw M8x16 DIN 914                        |
| 14. Fixation bracket beam, right                          | 34. Foundation block   |
| 15. Side plate wall profile                               | 35. Glass plate  |
| 16. Molded part, top                                      | 36. Polycarbonate plate  |
| 17. Molded part, intermediate                             | 37. Stuffpieces for additional weight gutter (2 pieces 10 x 5) |
| 18. Molded part, bottom                                   | 38. Additional weight gutter (100x10)                          |
| 19. Molded part bracket                                   | 39. Fixation plate   |
| 20. Cover beam  |  |



## Required tools

- Drilling machine
- Metal drill
- Masonry drill
- Crosshead screwdriver
- Allen key set
- Tape measure
- Level
- Pencil
- Cutting plier
- Flathead screwdriver
- Silicone kit
- Rubber hammer

## Important before installation

### General warning

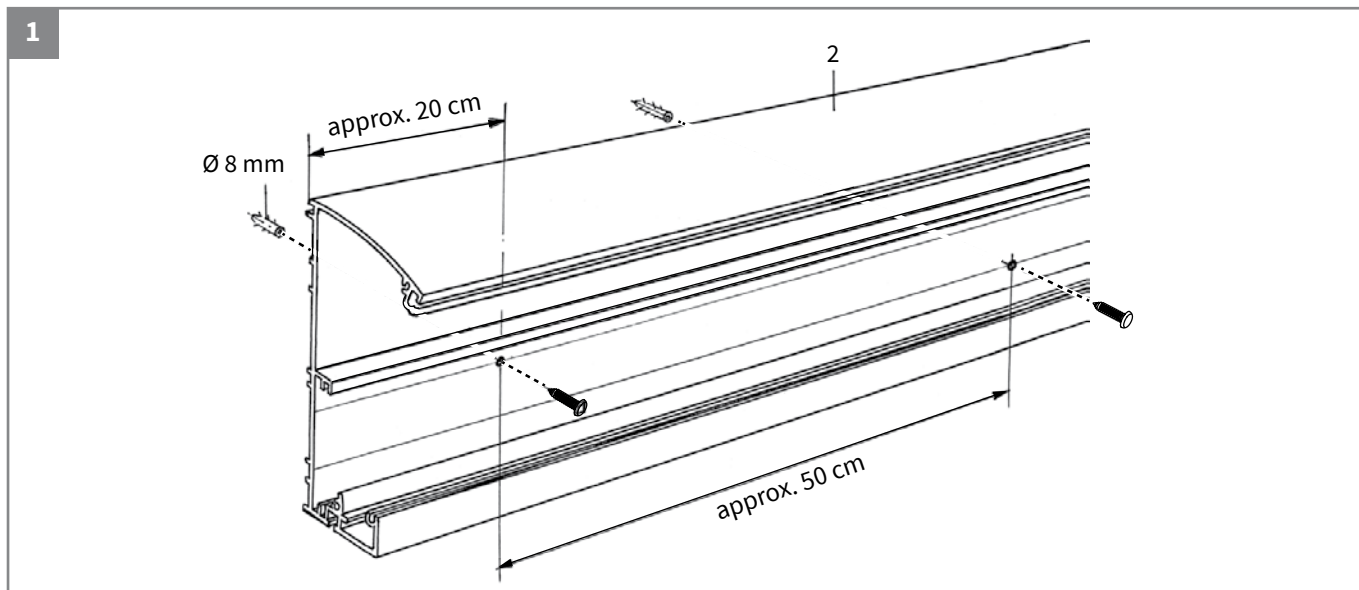
Installing the Verano® product yourself is at your own risk. Only use this instruction as a tool and for the installation of this specific Verano® product. If you cannot install the product yourself, you can always opt for professional installation. The installation team of Verano® is pleased to help you.

### Be careful for damages

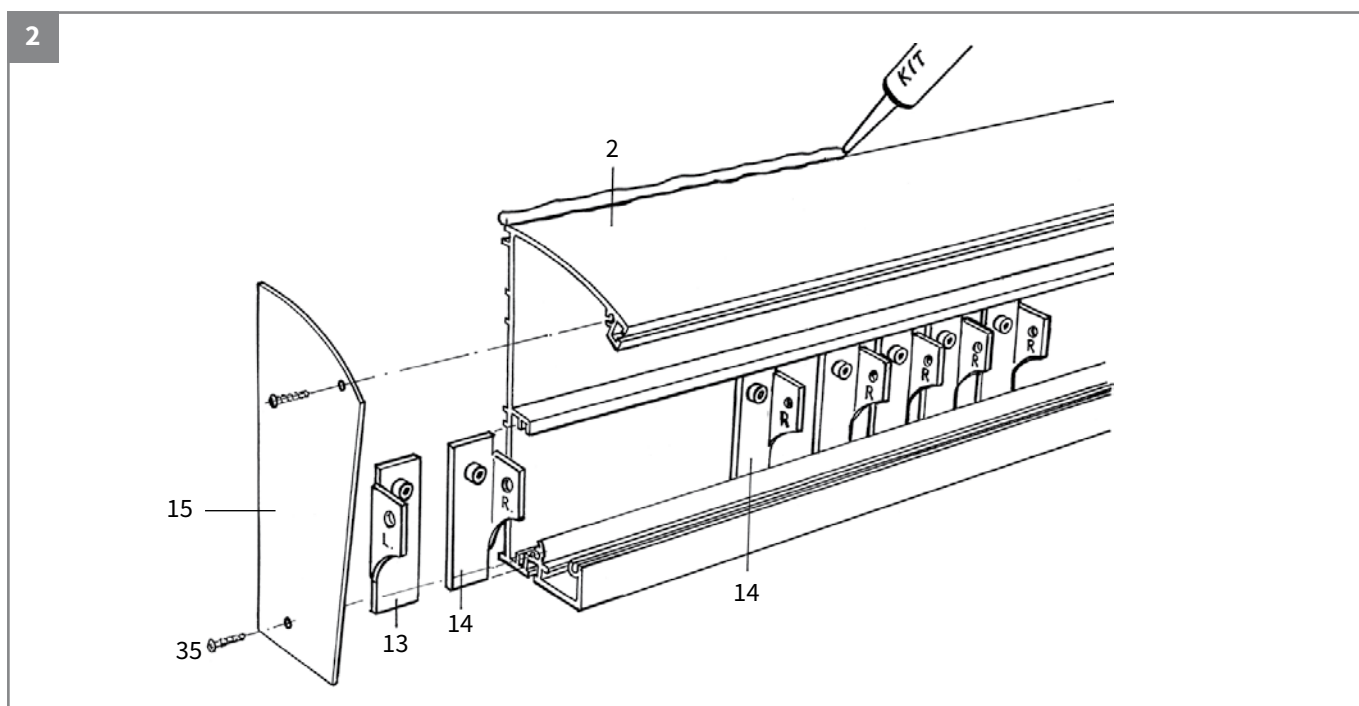
Don't use a knife or any other sharp object when opening the packing. This may cause damage to the content of the package. Put the content of the package on a soft surface. Be careful when drilling, falling drill cuttings can cause damages.

Check if the façade is flat.

## 1. Mounting the wall profile



- Drill holes in the wall profile (2), Ø 5 mm.
- Distance between the holes around 50 cm and variable bottom and top.
- Mark the holes on the wall and drill with a concrete drill 8 mm.
- Screw the wall profile (2) (screws and plugs are not included).



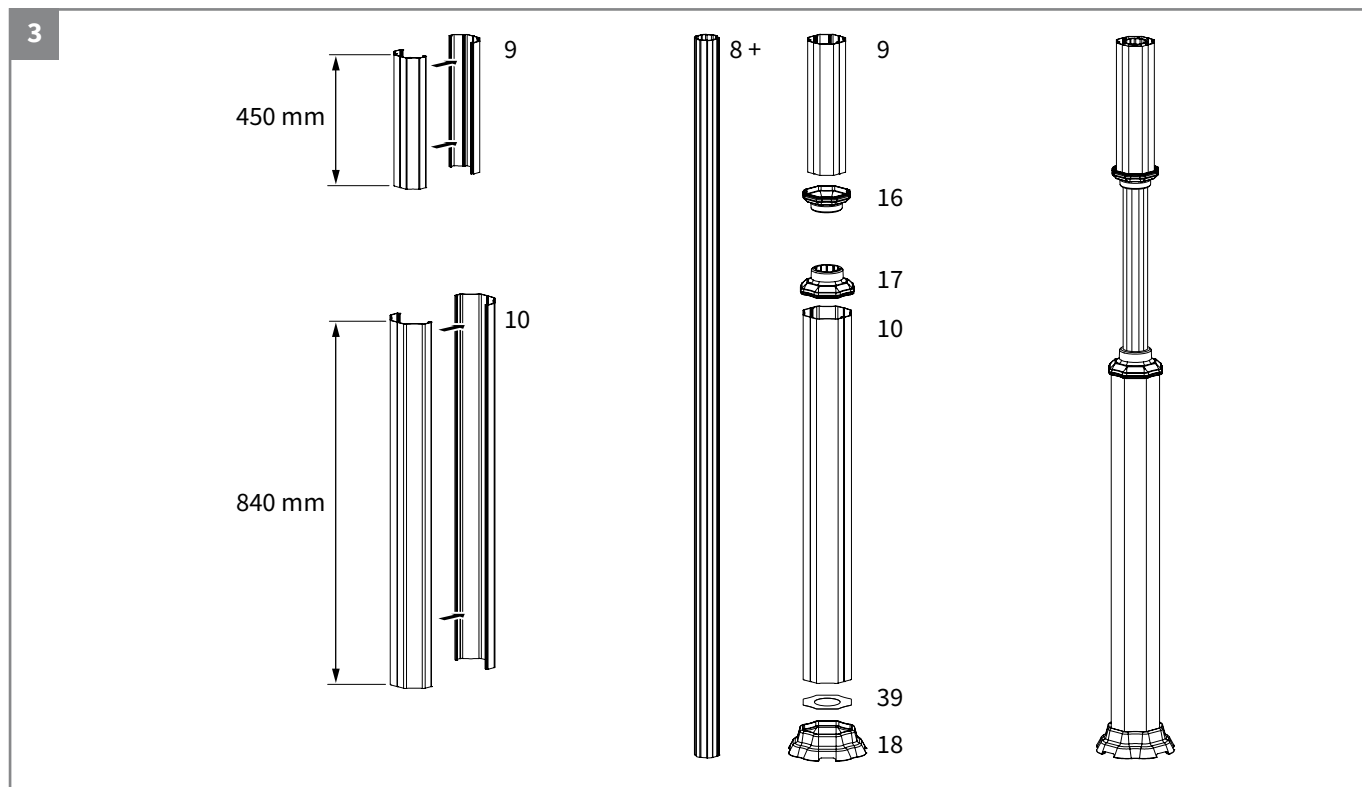
- Seal the top side.
- Slide the fixation brackets in the beam.

### Attention!

One bracket for one beam: for the left beam, use the left bracket (13). Use the right brackets (14) for the remaining beams.

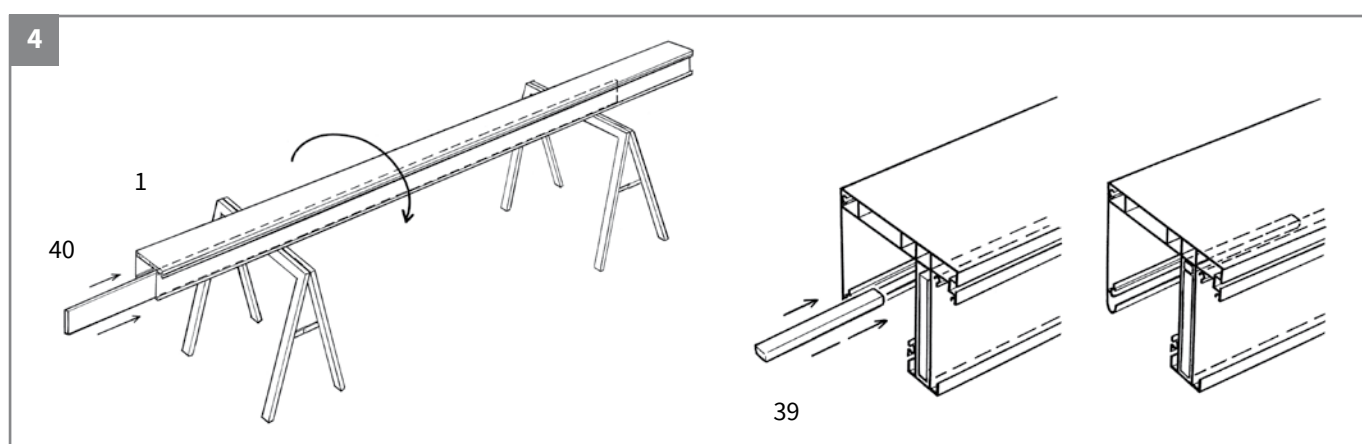
- Side plate wall profile (15) can be fixated with screws (35) .

## 2. Mounting the uprights



- Put the two parts of the top profile (9) and the bottom profile (10) together.
- Slide the lower molded part (18), the fixation plate (39), the bottom profile (10), the intermediate molded part (17) and the top molded part (16) and the top profile (9) on the upright (8), in this order.

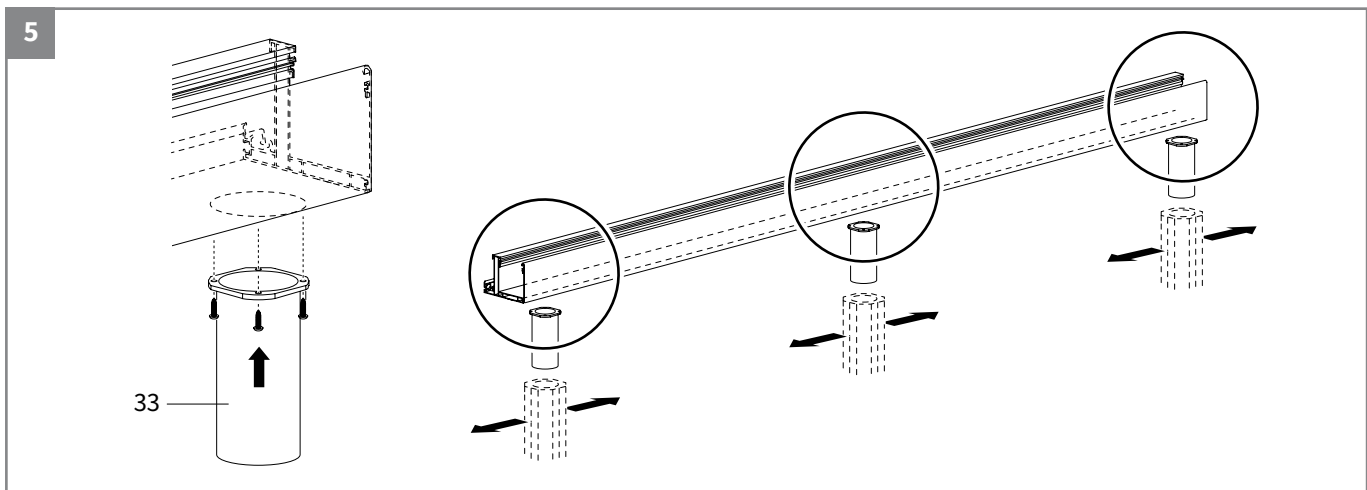
## 3. Preparation of the gutter



### Applying additional weight in the gutter

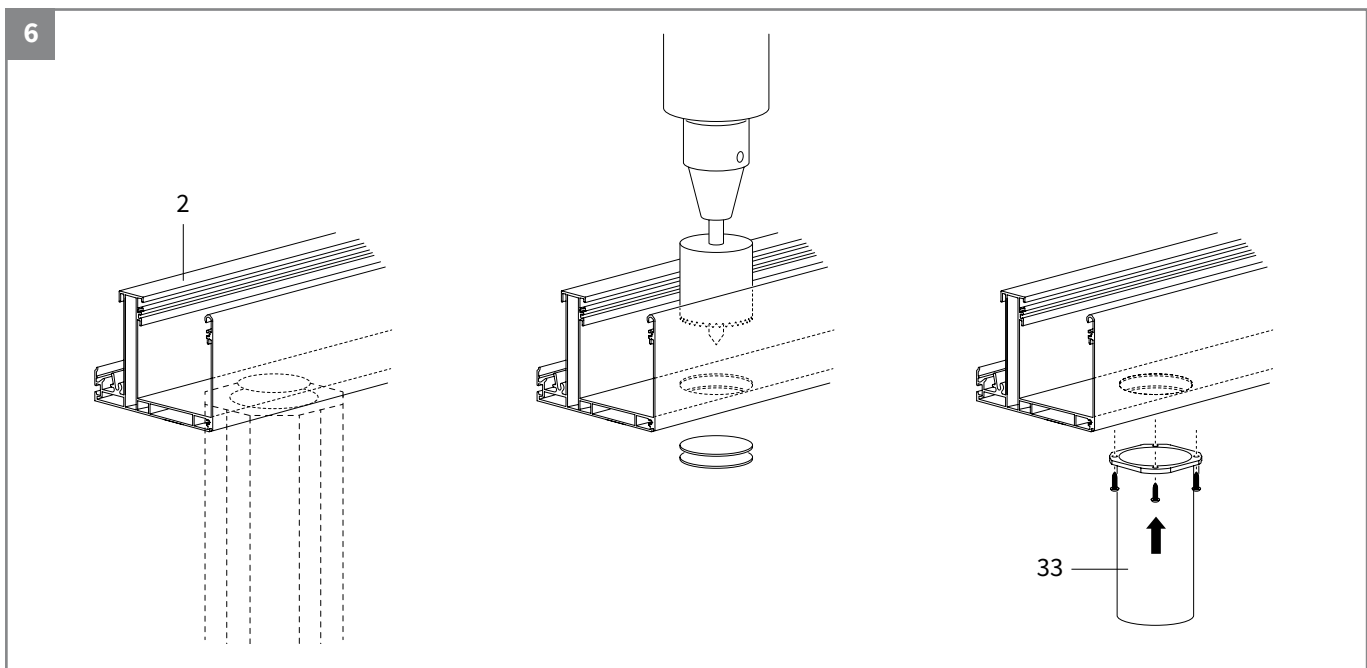
To prevent bending of the gutter, you need to fill up the gutter with additional weight.

- Turn the gutter upside down.
- Slide the weight (38) into the gutter.
- Fill up, on both sides, with the rods (37).



#### Mounting the connection piece of the gutter (33)

- Determine, depending on your preferences, the location of the uprights.
- Determine, on the base of the location of the uprights, where the connection pieces for the gutter should be placed.
- Mount the connection pieces.



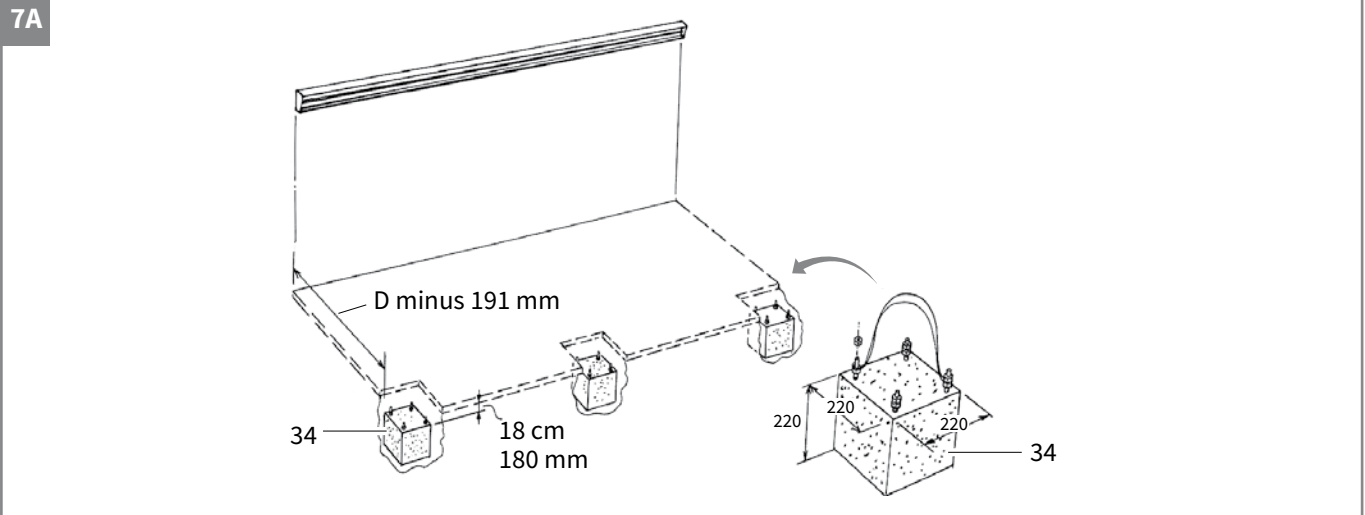
#### Drilling the drain hole

The drain-pipe is placed in one of the uprights.

- Drill a hole for the drain in the gutter (2).
- Mount the connection piece for the gutter (33), optionally in advance provided with sealant.



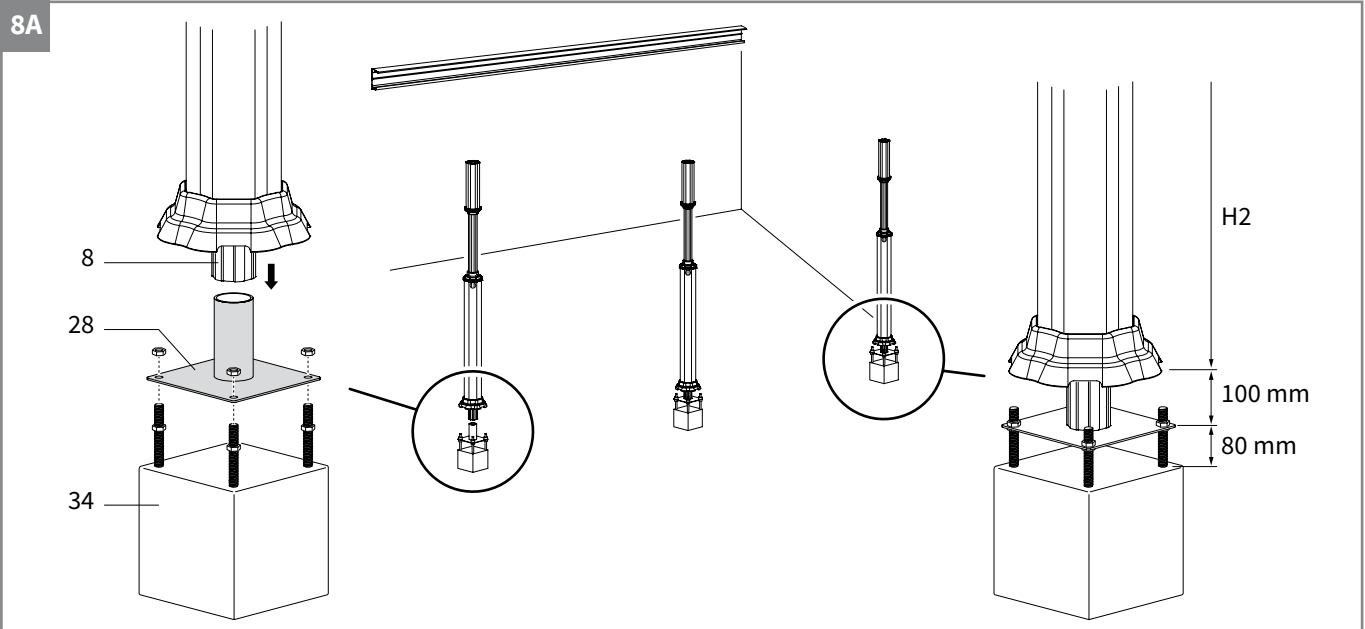
#### 4. Placing with foundation blocks (A)



##### Placing the foundation blocks

This needs to be done carefully. The distance between the foundation blocks (34) and the wall is size D minus (-) 191 mm. You wrote down size D on your order form. We advise to place the foundation blocks around 18 cm (180 mm) below the terrace level. The bottom 100 mm of the upright falls below terrace level. The foundation block is still 80 mm lower to create space for the drain-pipe.

**Attention!** Before the final placement of the foundation blocks, you need to mount the uprights, gutter and outside beams. Only then you know the specific position of the foundation blocks.



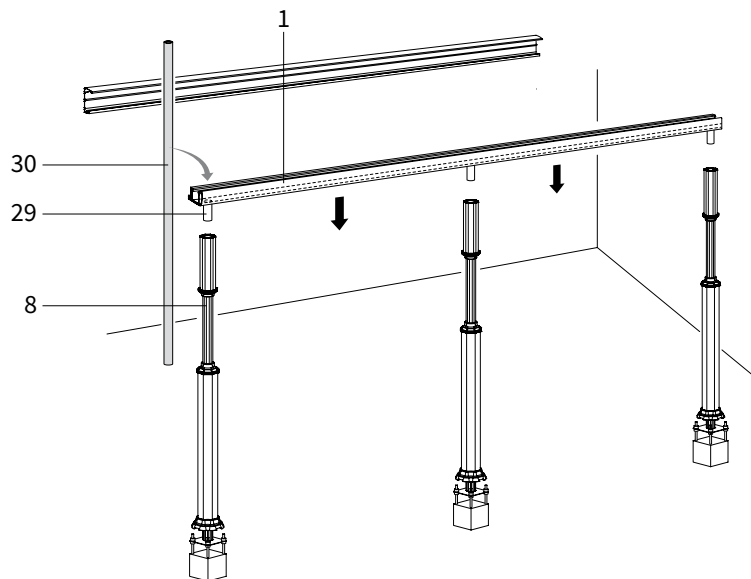
The uprights (8) are standard 2500 mm (2,5 m) long and need to be customized by you. The size of the uprights is 100 mm lower than size H2. Size H2 is the size you wrote down on your order form. This 100 mm is the size of the terrace to the top of the extension piece (28) which needs to be mounted on the foundation block (34).

##### Mounting the uprights on the foundation blocks

The foundation blocks (34) have molded wire ends with each two nuts, thereby the extension pieces (28), with the uprights (8), can be adjusted in height.

## 5. Mounting the gutter

9A

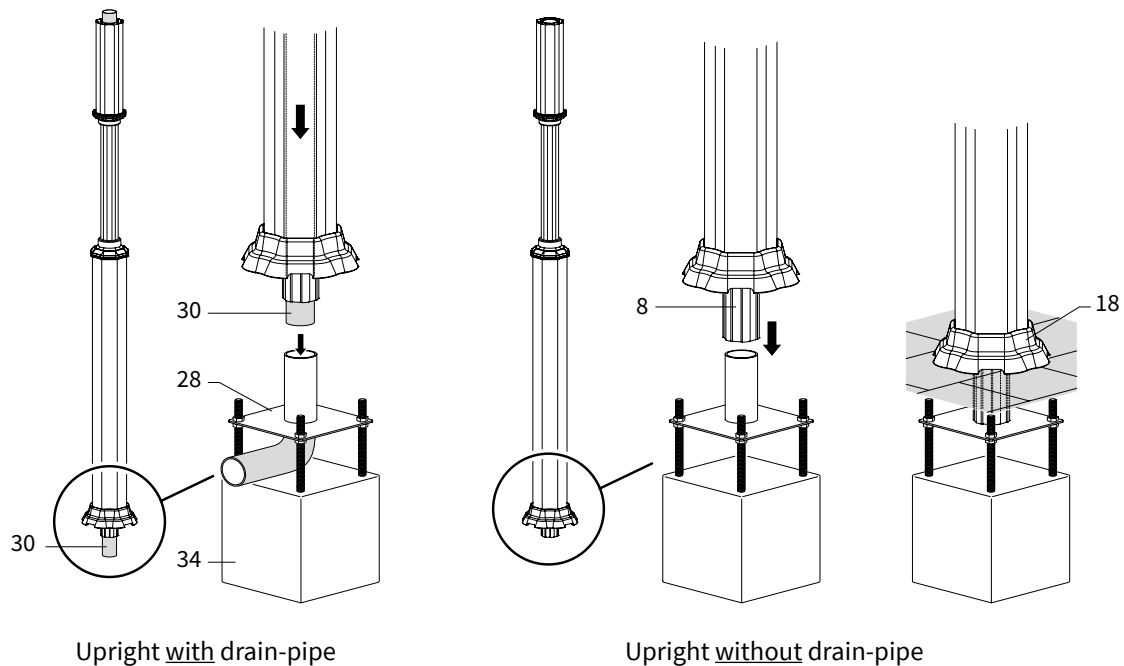


### Mounting the gutter on the uprights

- Place the gutter (1) on the uprights (8), so that the connection piece for the gutter (29) falls in the upright.
- Place the drain-pipe (30) in the intended upright, from above.

**Attention!** When the veranda is placed between two walls and the overflows can not function anymore, the water drainage needs to be adjusted with an extra drain. This way the overflow of water is avoided.

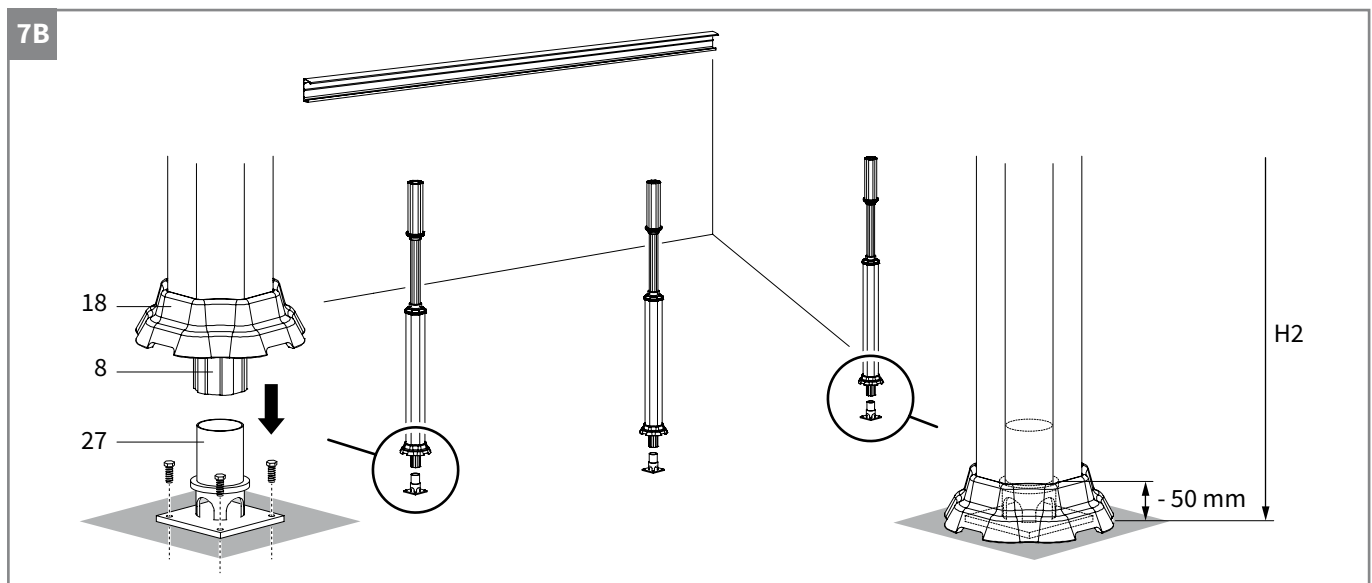
10A



### Water drainage

- Connect the drain-pipe (30) that runs through the uprights to a connection piece which protrudes below the foot plate (28).
- Make sure that there is a connection to the sewer.

## 6. Placing without foundation blocks (B)

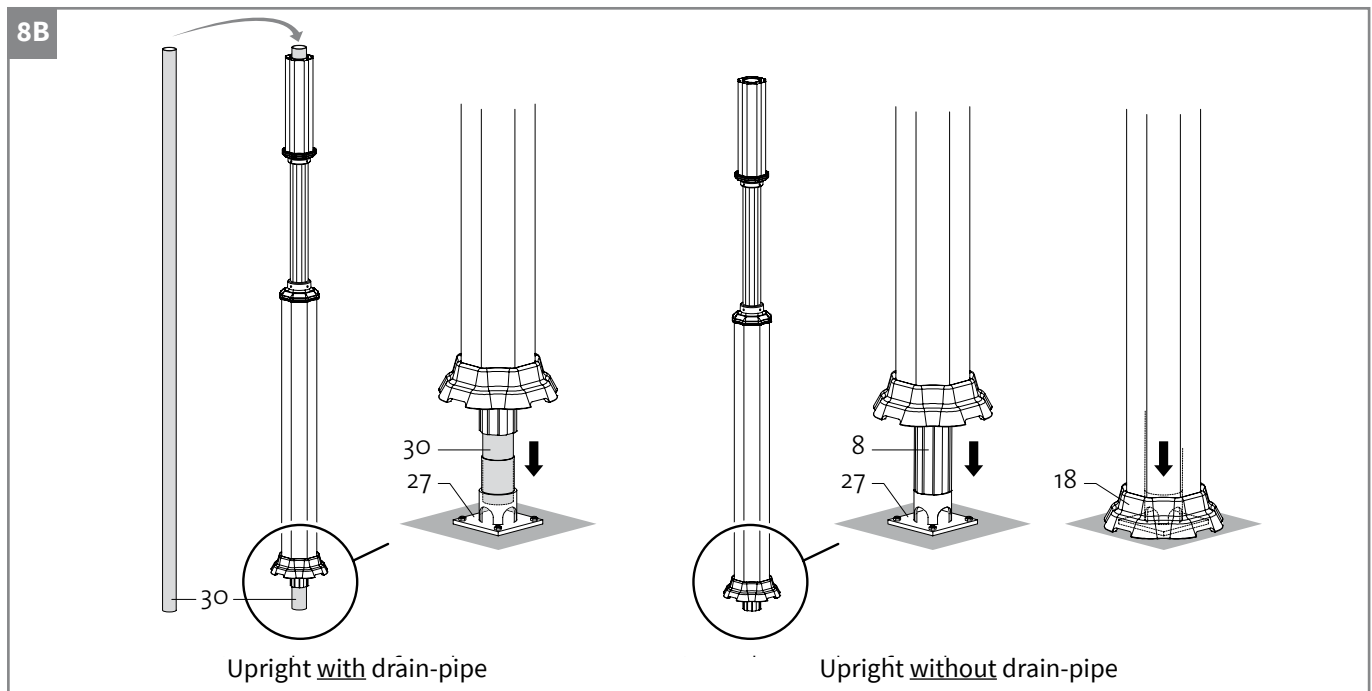


The uprights (8) are standard 2500 mm (2,5 m) long and need to be customized by you.

When you mount the uprights directly to the ground (without using foundation blocks) is the size of the uprights: size H2 minus (-) 50 mm (you wrote down size H2 on your order form).

**Attention!** Before the final placement of the foot plates (27), you need to mount the uprights, gutter and outside beams. Only then you know the specific position of the foundation blocks.

- Place the gutter on the uprights (see figure 9A on page 10).

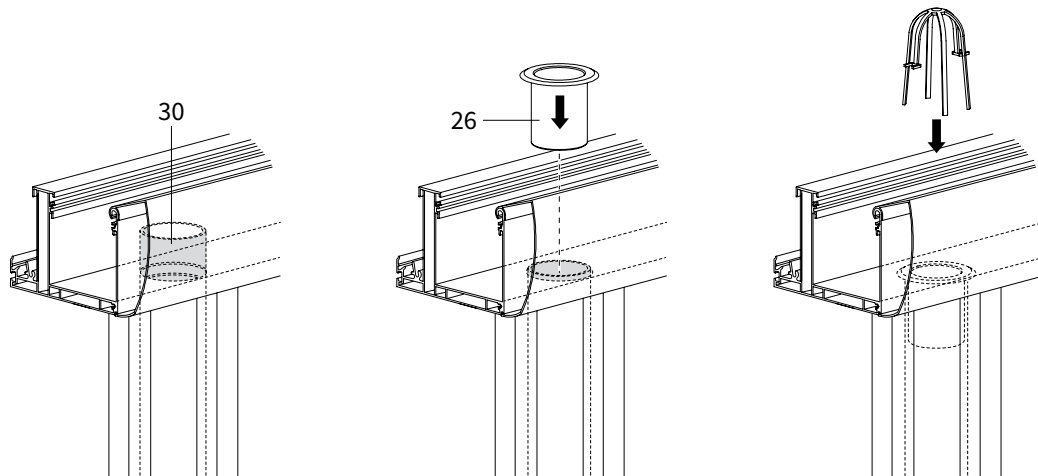


### Water drainage

- Place the drain-pipe (30) in the intended upright, from above.
- Slide the drain-pipe in the tube on the foot plate (27).
- Slide the upright (8) over the tube on the foot plate (27).
- The bottom molded part falls over the foot plate on the surface/terrace.

## 7. Finishing of the gutter

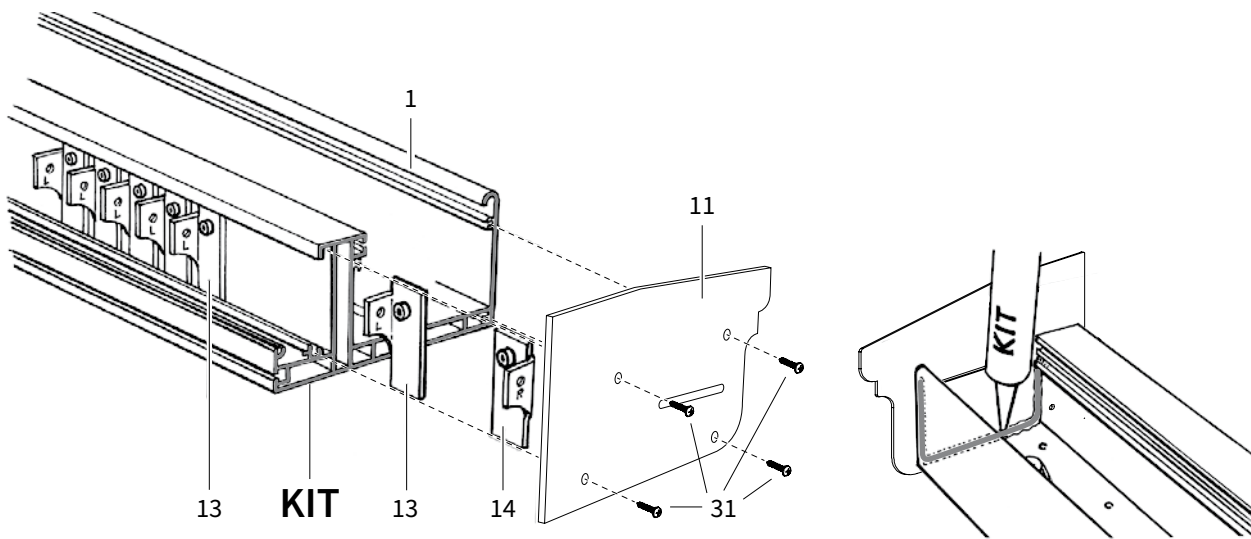
11



### Mounting the drainage

- Shorten the drain-pipe (30) on the right height.
- Place the tulle (26) in the drain-pipe.
- At last, place a leaf catcher.

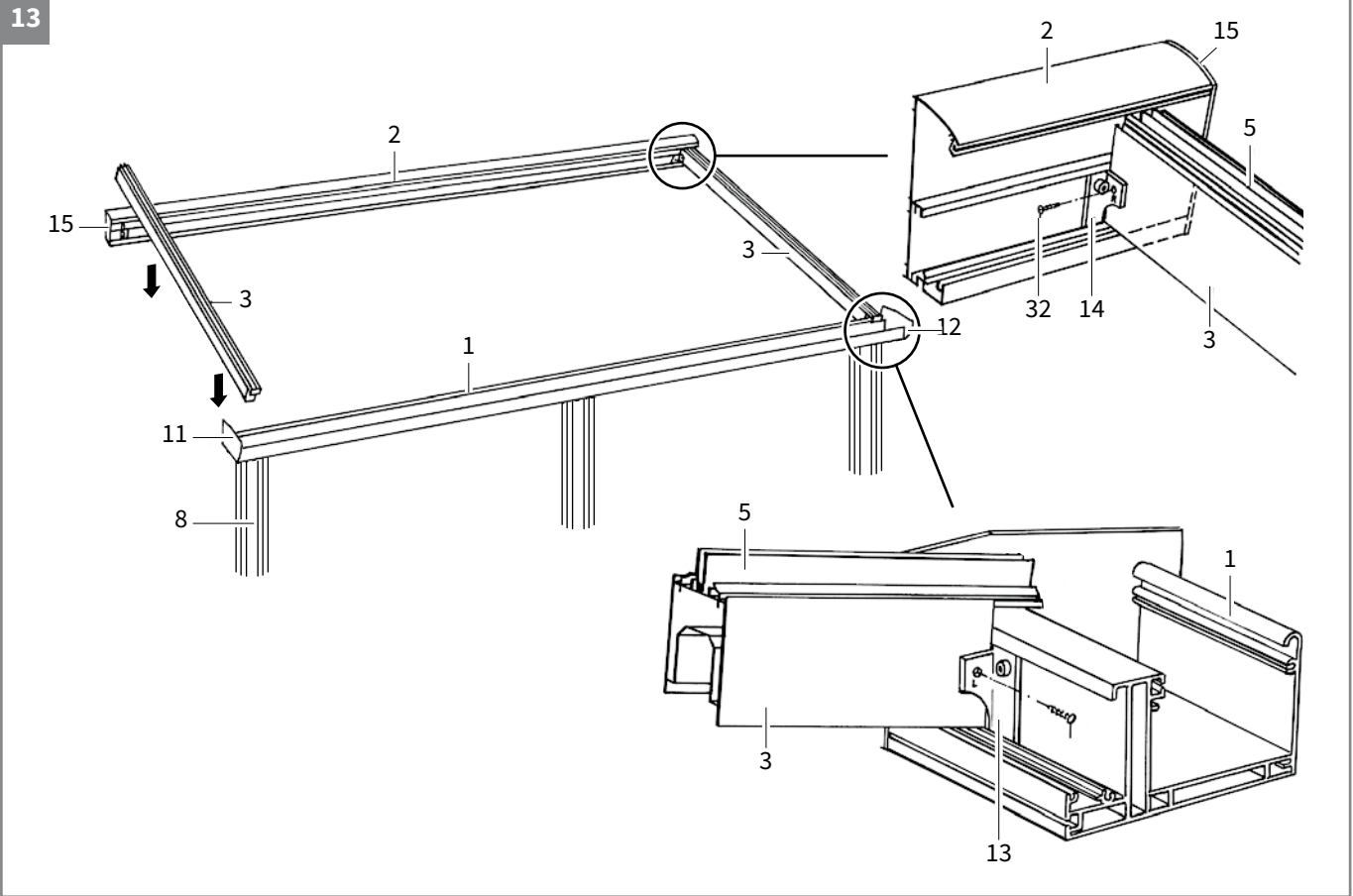
12



### Fixation brackets beam

- Slide the fixation brackets for the beams into the gutter profile (1). One right bracket (14). The remaining brackets are left brackets (13).
- Seal the sides of the gutter before you mount the side plates.
- The side plates, left (11) and right (12) can now be mounted. Screw tightly with screws (31).
- Seal the side plates on the inside of the gutter.

## 8. Placing the beams



The beams are standardly provided with a plastic frame (5). Both are customized.

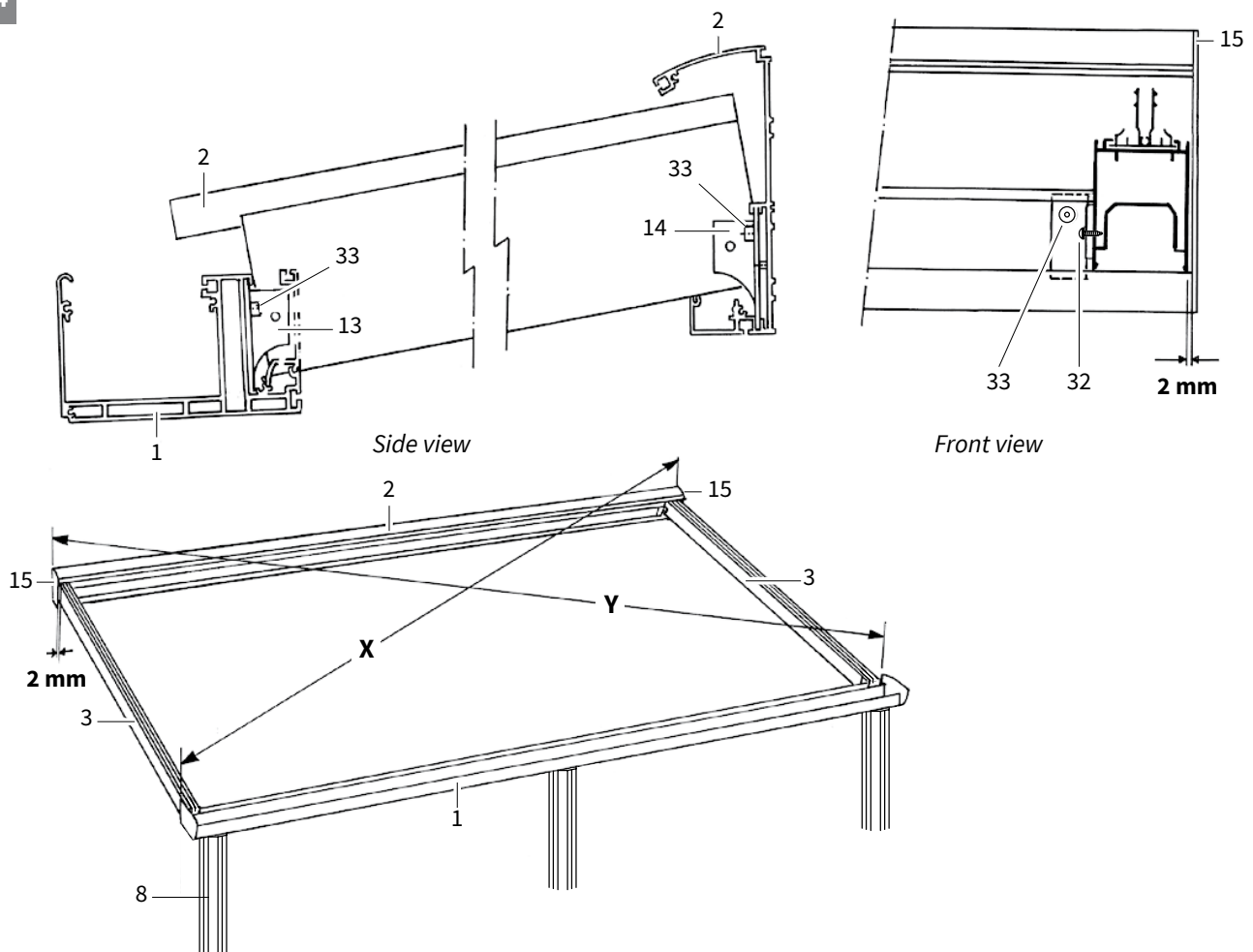
### Placing the outside beams

The first step is to mount the outermost beams (3).

Keep 2 mm of space between the outermost beams and the left- (11) and right (12) side plate of the gutter and keep 2 mm space between the outermost beams and the side plate of the wall profile (15).

This space is necessary to place the end frames (22) of 2 mm thickness. (See figure 14 on page 13).

14



### Fixing the outside beams

Use the beam fixation brackets, left (13) and right (14).

- First, lay the beams (3) in their position (push them to the rear wall).
- After that, drill the hole of the brackets (13) or (14) in the beam (3), Ø 4,5 mm and screw tight with a screw (32).
- Secure the bracket by using the allen nuts (33).

### Attention!

After mounting the outside beams, measure the construction diagonal. Sizes X and Y need to be identical.

This is the exact position of the veranda.

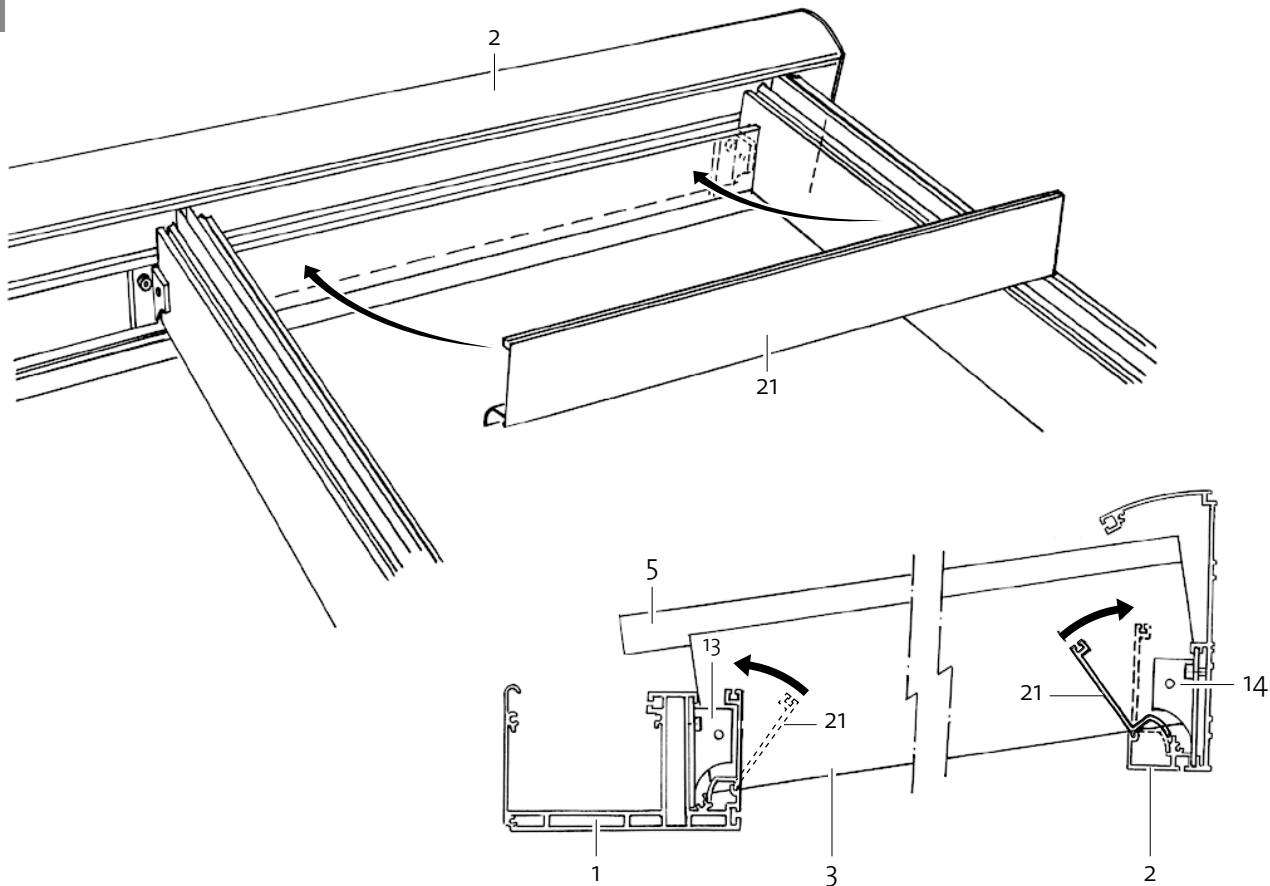
### Foundation blocks

Now, the foundation blocks can be placed.  
Pouring of extra cement is necessary.

### Foot plates

Now, the foot plates can be mounted on the surface.

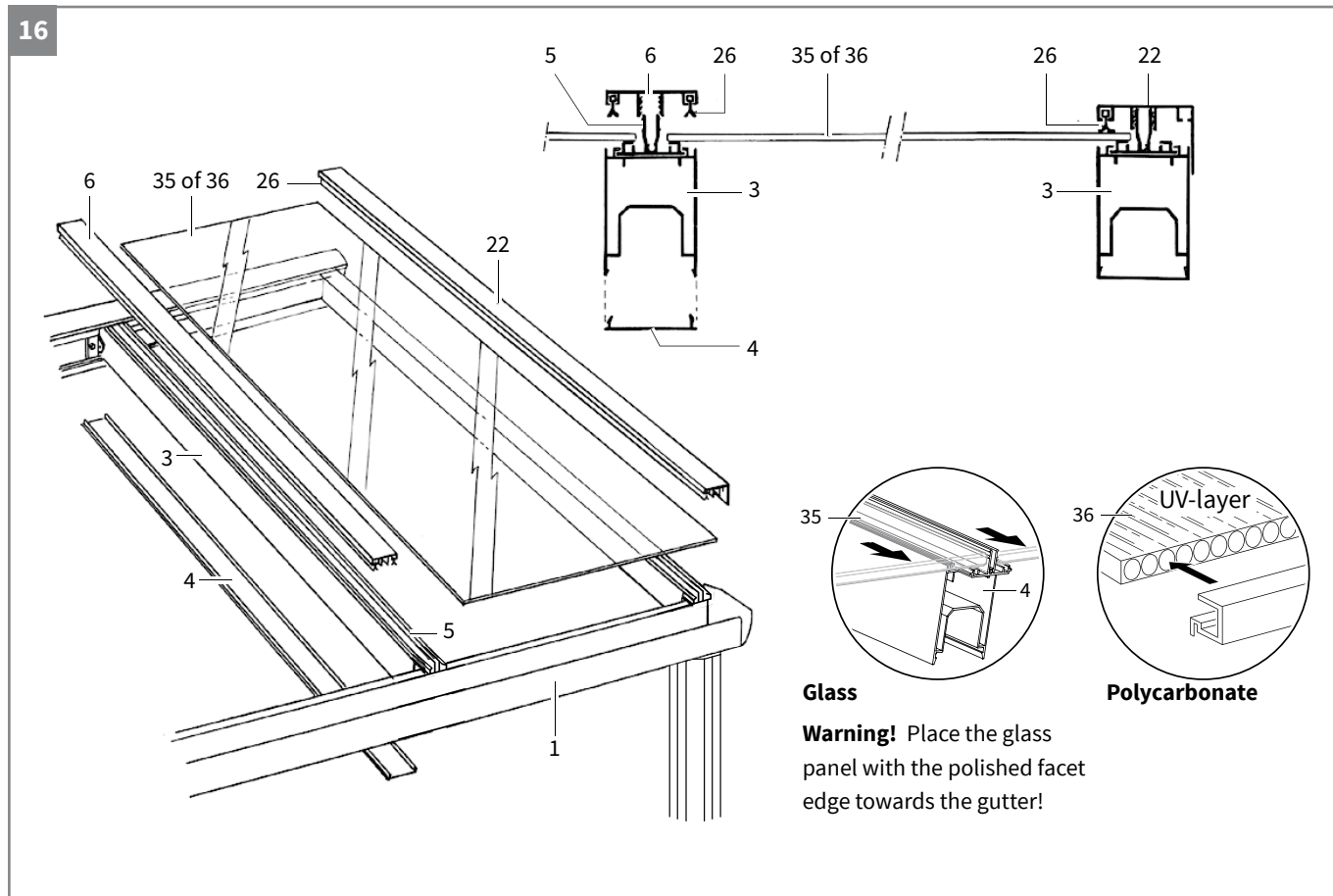
15



### Placing the remaining beams

- The click cover (21), that is custom made for you, serves to determine the right distance between the beams. Use this partition as a measure.
- The remaining beams are fixated the same way as the outside beams, using the beam fixation brackets (13/14).
- Now click the click cover (21) in the wall profile (2) and the gutter profile (1) by pushing it in the groove, turn it backwards and click it in.

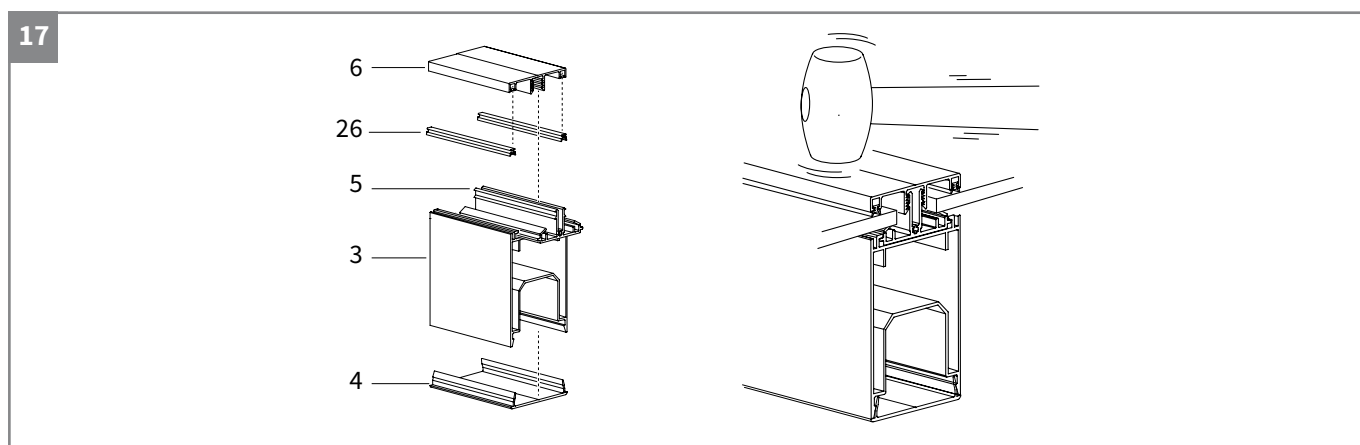
## 9. Fixation of the glass plates or poly plates



It is important to lay down the glass- or polycarbonate plate in the middle. You need to divide the space left and right equally. Before mounting, first read the information about 'Processing the polycarbonate plates' on page 19.

### Ranking of the roof plates

Starting at the left box (or right box). Place the first roof panel and then install the cover frames.



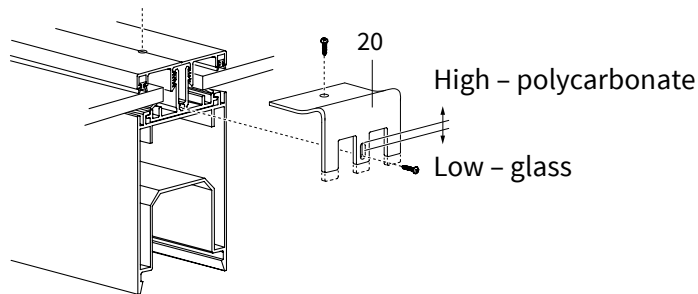
### Placing the cover frames

- Cover frame (6) provided with cover strips (26).
- You can place the cover frame (6) by pushing it over the plastic profile (5). Use a rubber hammer to prevent damages.
- Mount the click profile (4) on the underside of the beams.



## 10. Placing the covers and the cover rubber

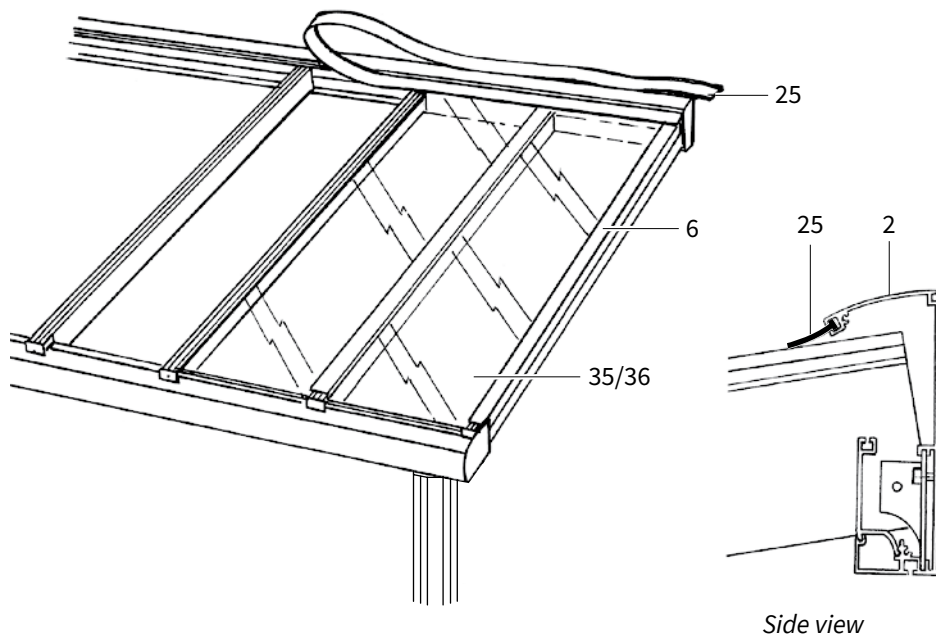
18



### Mounting the cover

Mount the cover (20) on the head of the beam. Place a screw on the front side and top side. The cover has two positions: low position is for glass, high position is for polycarbonate.

19

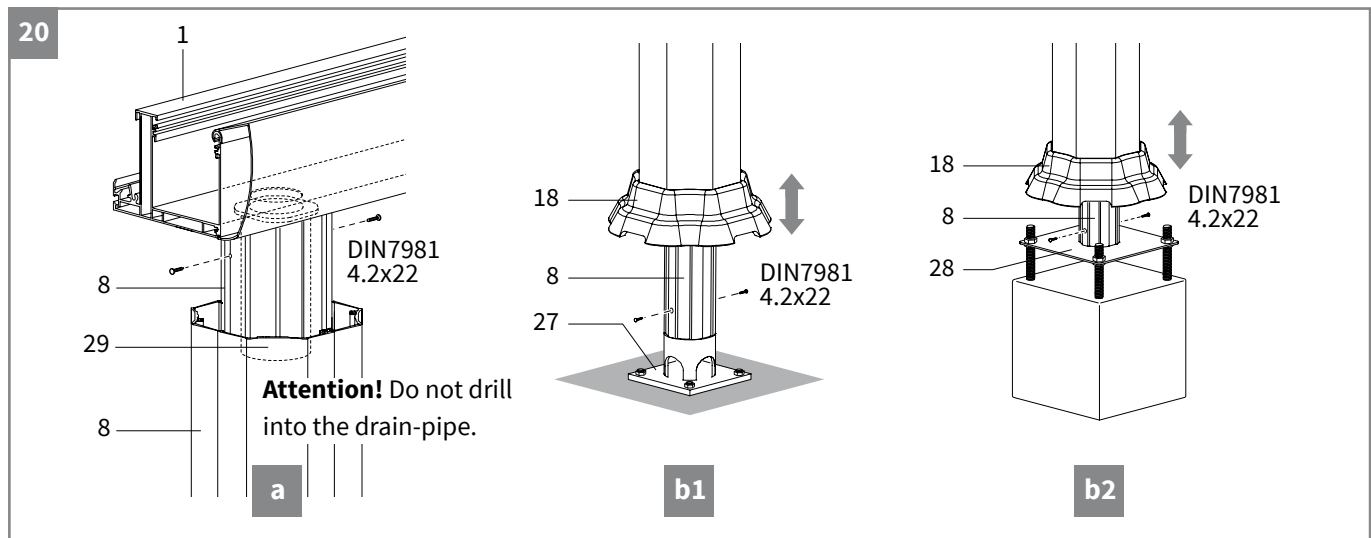


### Placing the cover rubber for the wall profile

It is advisable to place the cover rubber directly after placing of each glass- or polycarbonate plate (35/36) and cover frame (6), by pushing it tightly in the groove of the wall profile (2). This can also be done after finishing the roof (see page 19).

**Attention!** You CANNOT stand on the glass- or polycarbonate plates. You can stand on the beams.

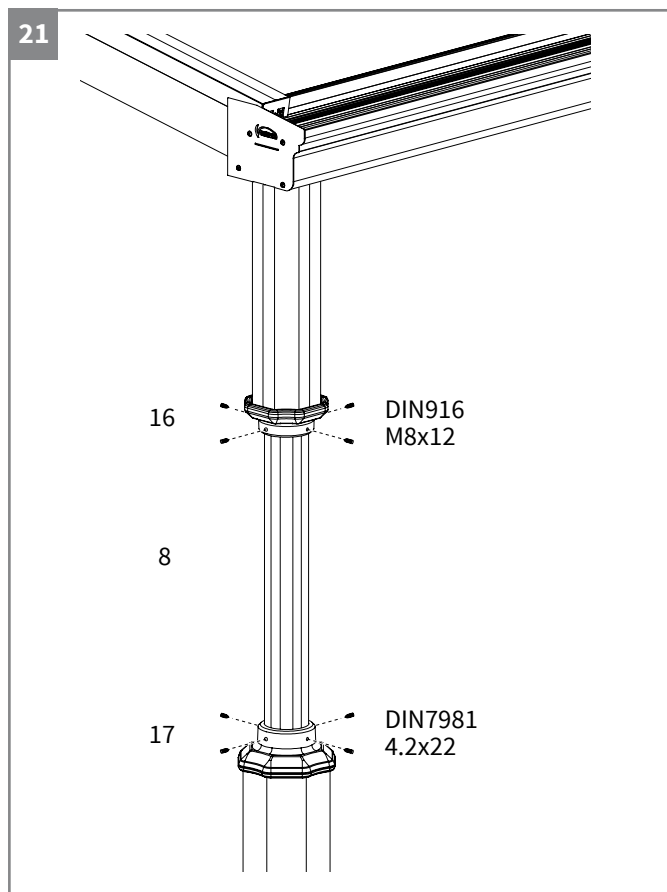
## 11. Securing the uprights and mounting the molded parts



### Secure the uprights on:

- a/ the connection piece gutter (29): Drill some holes in the upright (8) and through the connection piece of the gutter (29). Secure the uprights, 2 screws (DIN7981 4.2x22) per upright.
- b1/ the foot plate upright water drainage (27): Secure the uprights, 2 screws (DIN7981 4.2x22) per upright.
- b2/ the extension piece concrete foot (28): Secure the uprights, 2 screws (DIN7981 4.2x22) per upright.

**Attention!** Do not drill into the drain-pipe.

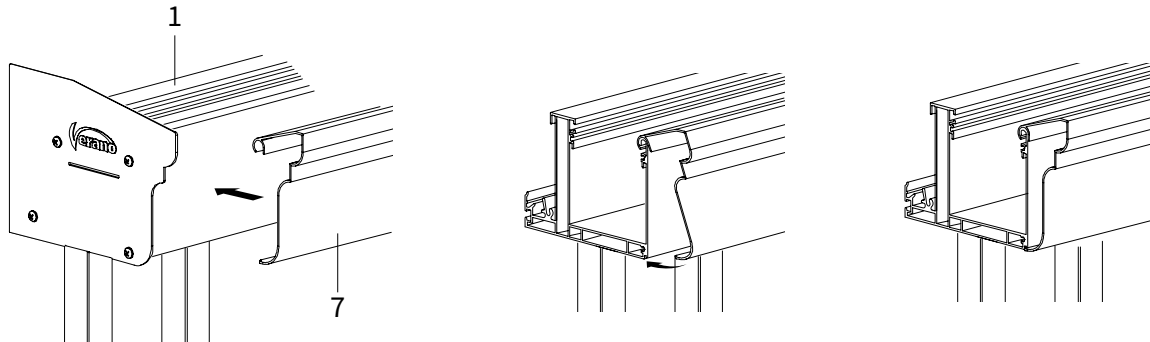


### Mounting the molded parts

- Bring the top molded part (16) and the intermediate molded part (17) in the right position on the upright.
- Drill and tap some mounting holes in the molded parts.
- Mount the molded parts on the upright (8) with screws (DIN.916 M8x12).

## 12. Finishing

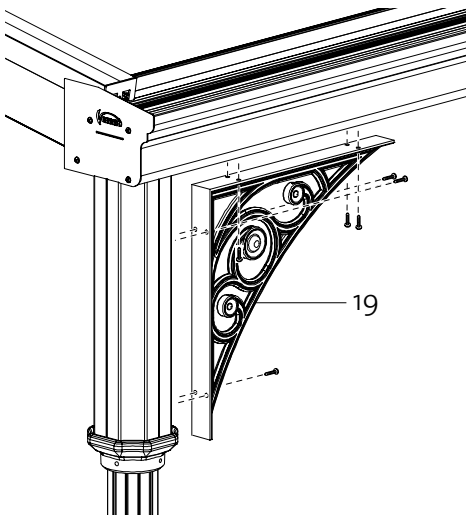
22



### Extension piece gutter

- Click the extension piece (7) on the gutter.

23



### Casting gutter

- At last, mount the casting supports (19) on the gutter and the top profile.

### Applying the cover rubber for the wall profile

If you forgot the place the cover rubber for the wall profile (25), you can still do this.



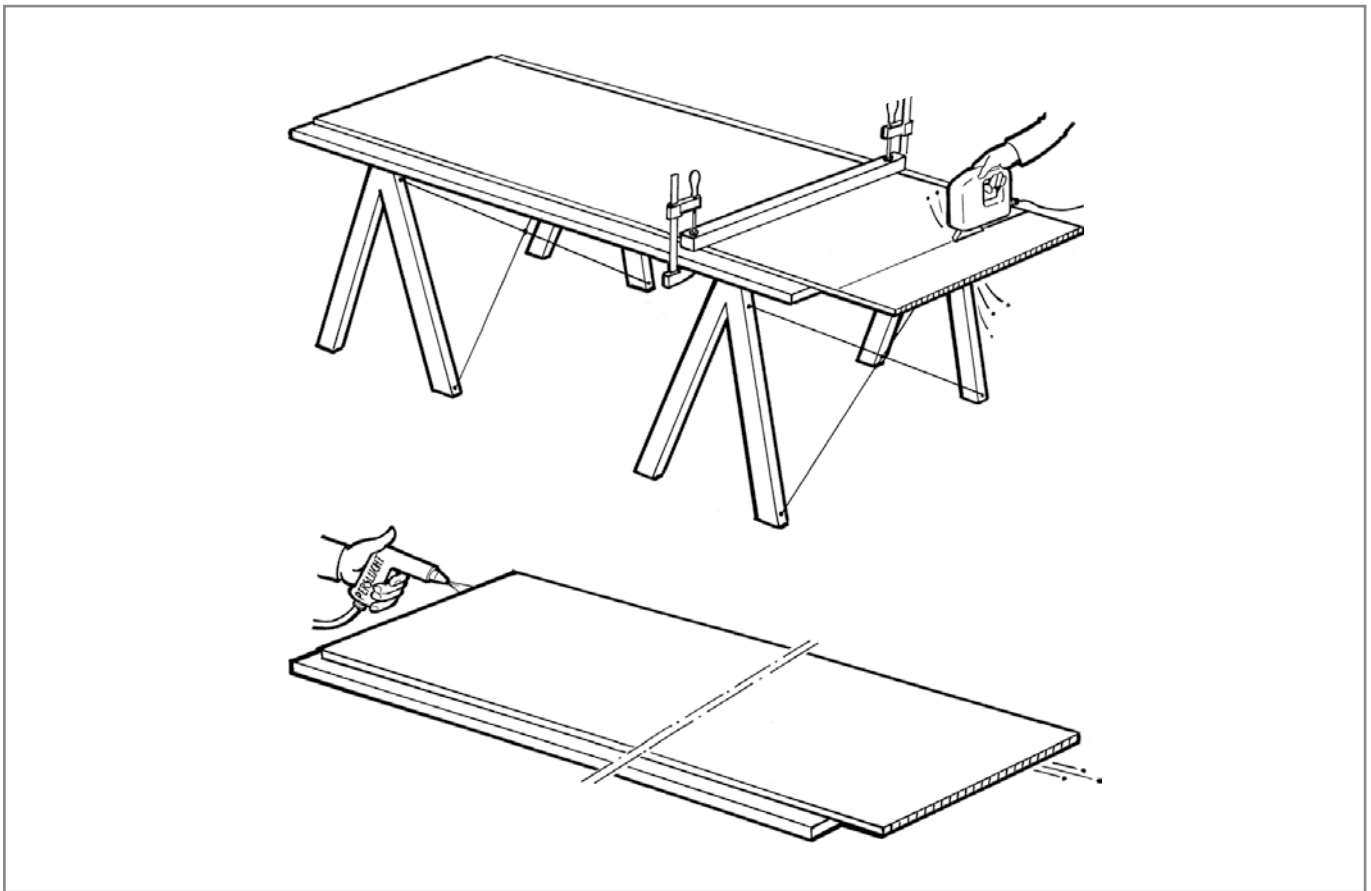
We point out that you **CANNOT** stand on the glass- or polycarbonate plates!  
Use a solid shelf that can be placed over the beams.

- Push the cover rubber (25) in the groove of the wall profile (2) over the whole width (also see page 16).
- At the end, you can cut the rubber flap to size.

## Processing the polycarbonate plates

### Storage

If you storage the polycarbonate plates, to plates need to lie on a flat surface, for example pallets. The plates may not be stacked directly on the ground. Avoid direct sunlight and rainwater and cover the plates with a white polythene foil. Storage preferably inside. If outside, then under a roof.

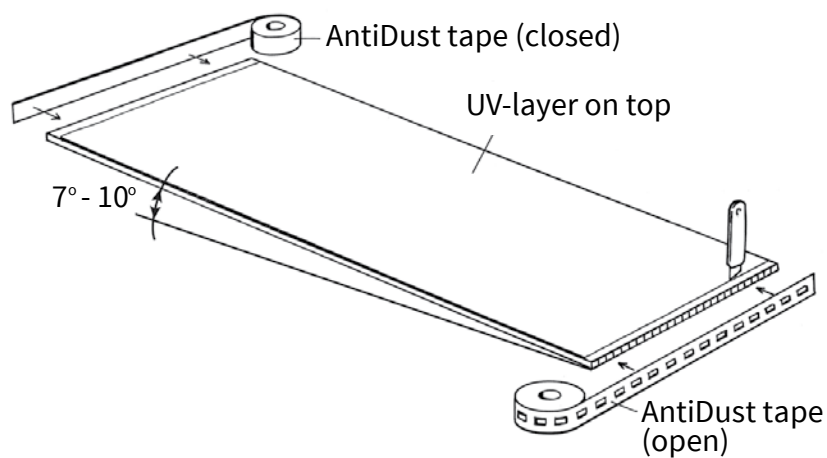


### Sawing

- Saw with a hand circular saw or jig saw with fine-tooth saw blade.  
Use a stable and vibration-free surface and avoid swinging and flapping of the plate.  
Do not remove the protection foil before the sawing and drilling. This prevents scratching on the surface.
- Clean the canals with dry compressed air.
- After that, immediately close with a Anti-dust or transportation tape.

### Backlash and installation

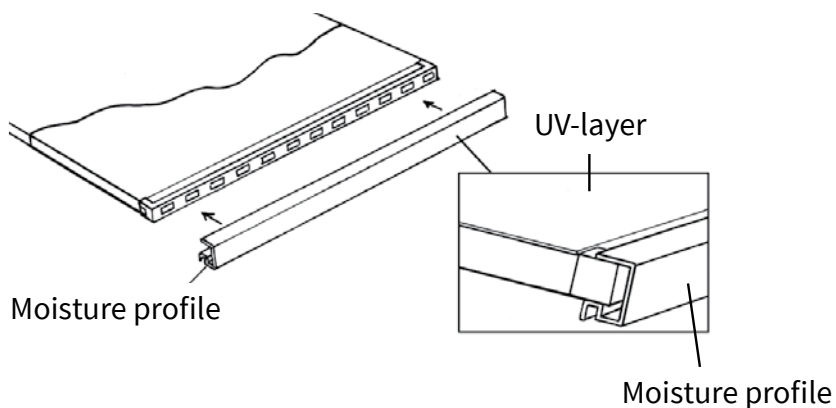
Due to temperature fluctuations, polycarbonate plates can bulb or shrink. The plate is blocked against shearing on the underside with an end partition on the cover profile. The whole backlash needs to be provided on the upper side. The side of the plate needs to have a backlash of 3 mm.



### Sealing against moisture

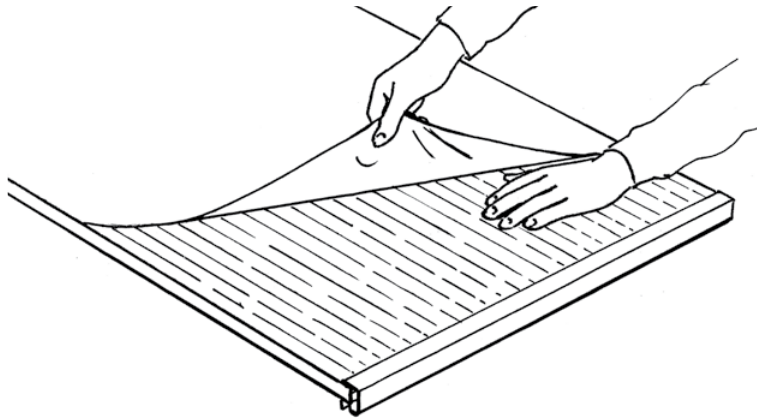
Polycarbonate is gas- and vapor-permeable, this is the reason that moisture can not be quite prevented. A right slope of the roof between 7° – 10° and an effective sealing can limit this.

- The plates need to be taped on the upper side with a closed Anti-dust tape.
- The underside needs to be taped with a perforated Anti-dust tape.
- If possible, remove a strip of protection foil below and above (approx. 3 cm).
- Cut lightly with an utility knife.



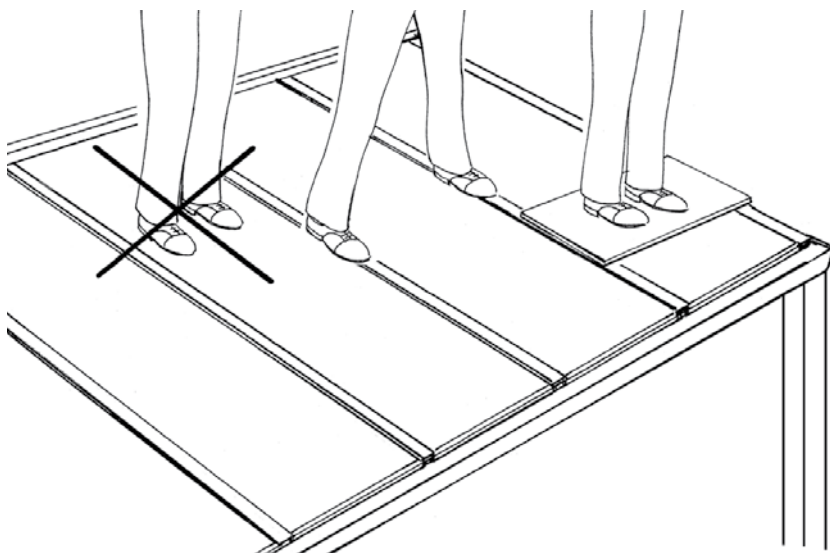
### Placing the moisture profile

After applying the Anti-dust tape, provide the underside of the plate with a moisture profile over the whole width of the plate.



#### **Removing the protection foil of the UV-layer**

After applying the moisture profile, the polycarbonate plate can be installed. The removing of the UV protection foil can be done after mounting, but also before mounting. It is more easy and more safe to remove it before mounting. You do not need to be on the roof to do this.



#### **Do not stand on the polycarbonate plate**

The polycarbonate plates are solid and strong, but not resisted enough against concentrated load. Do not walk on the plates! Only walk on the edges where beams and cover strips are or use a shelf.

#### **Cleaning**

- Clean the polycarbonate plates at least once a year with tepid water and soap. If necessary, use non-alkaline soap in combination with a telescopic car brush.
- Use a soft brush or sponge.
- Never use abrasives or solvents!
- Before- and after rinsing with a lot of water and at last clean with a soft cloth.



Registration number TÜV The Netherlands QA B.V.: 1231

Verano BV  
Bedrijfsweg 8  
5683 CP Best, Nederland

Certificate number:  
1231-CPR-1090-1-2400-A-293

### **EN 1090-1:2009 + A1:2011**

Aluminium parts, to be applied in veranda's according to order:  
see sticker on the back of this installation manual

<b>Tolerance on geometric data:</b>	EN 1090-3
<b>Weldability:</b>	N.A.
<b>Fracture toughness:</b>	not for aluminium products
<b>Reaction to fire:</b>	material classification: class A1
<b>Cadmium emissions:</b>	NPD
<b>Radioactive radiation:</b>	NPD
<b>Durability:</b>	surface powder coated according quality class 3
<b><u>Constructive properties:</u></b>	
<b>Deadweight:</b>	design according EN 1990 (Eurocode 1) and EN 1999 (Eurocode 9): reference order noted on sticker on the back of this installation
<b>Distortion in serviceability limit state:</b>	NPD
<b>Fatigue resistance:</b>	NPD
<b>Fire retardend:</b>	Class A1
<b>Fabrication:</b>	according to part specifications; reference order noted on sticker on the back of this installation manual and EN 1090-3, EXC1