Fitting instructions
Duco Roof Turret Solid 30Z **with sill profile**

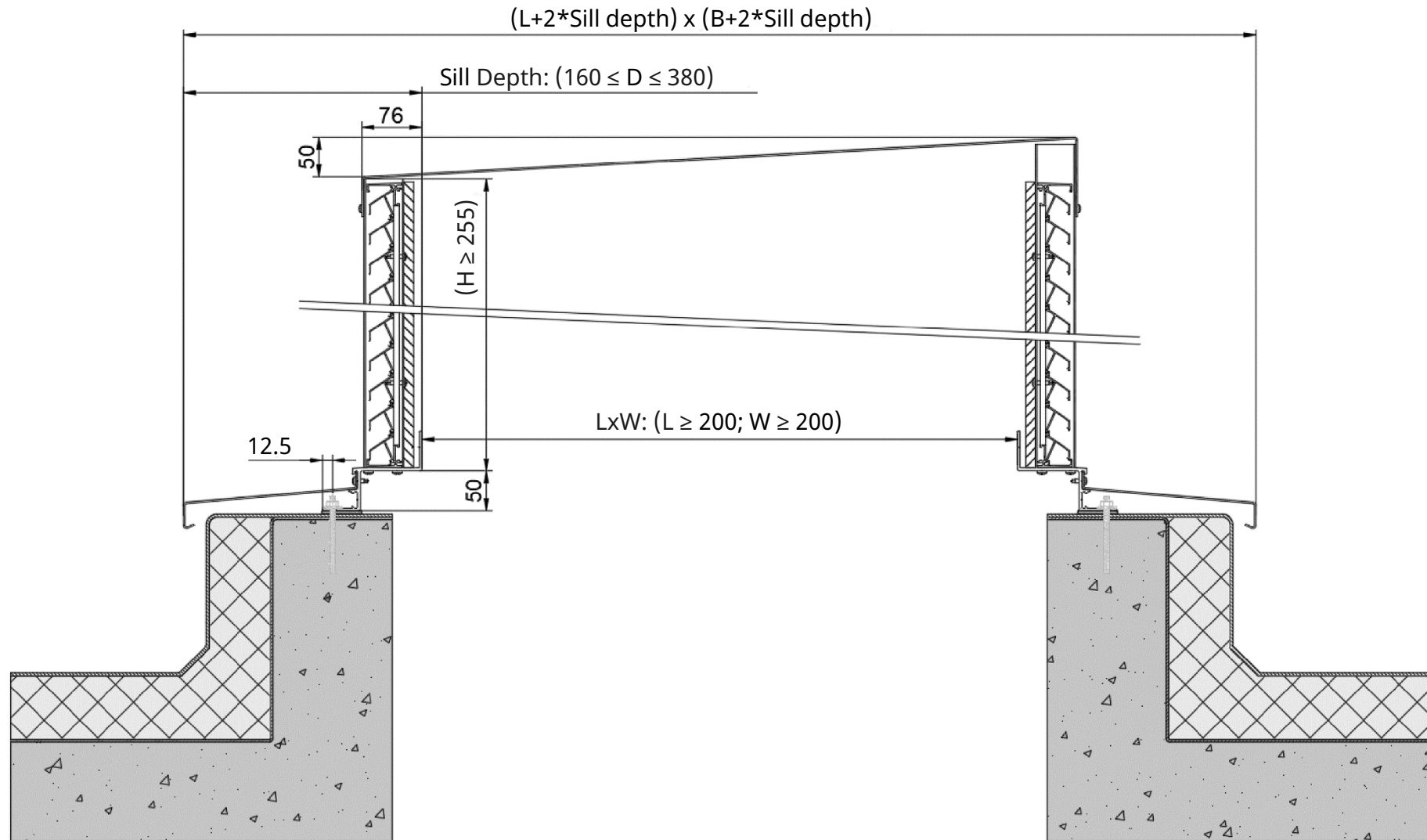20/03/2023
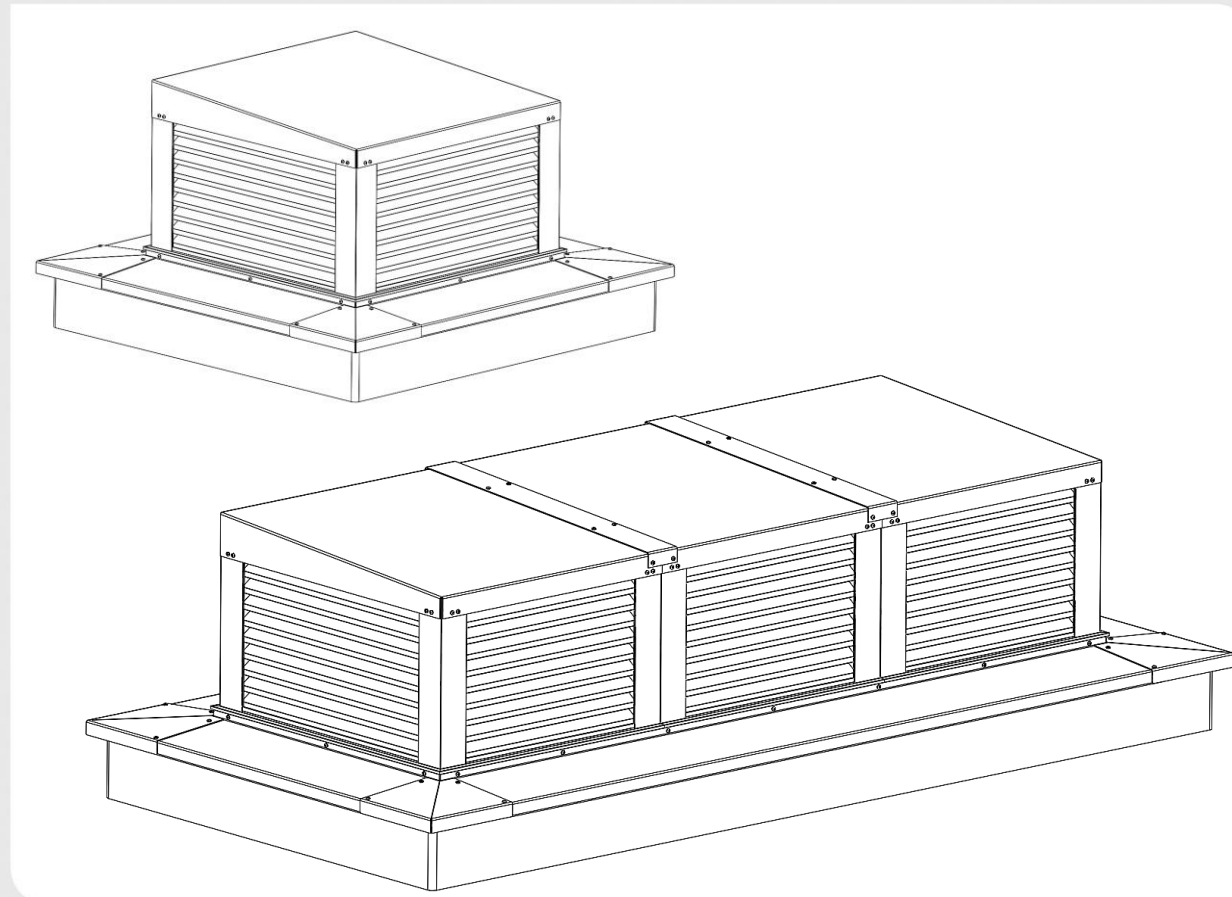
DUCO
Ventilation & Sun Control

(L+2*Sill depth) x (B+2*Sill depth)
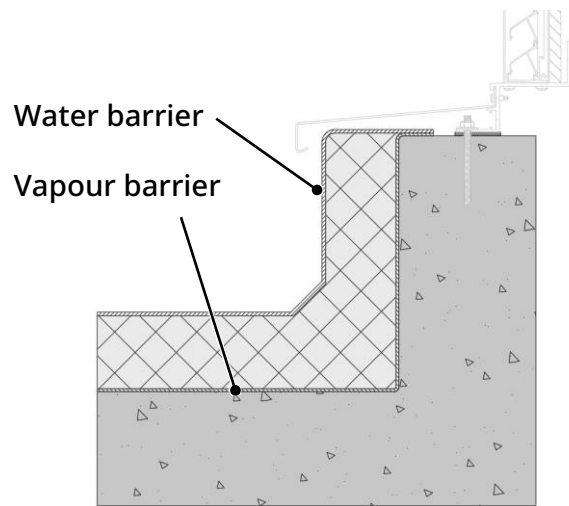
Sill Depth: (160 ≤ D ≤ 380)

76

50

(H ≥ 255)

LxW: (L ≥ 200; W ≥ 200)

12.5

50

When mounting the roof turret prior to the roofing work, the roof cladding can be fitted up to the front of the roof turret. The sill section is to be mounted after the roofing work.

If the roof turret is installed after the roofing work, the roof turret module can also be mounted directly on the roof cladding. Note that the layered structure creates an uneven surface, which can make mounting the modules difficult.
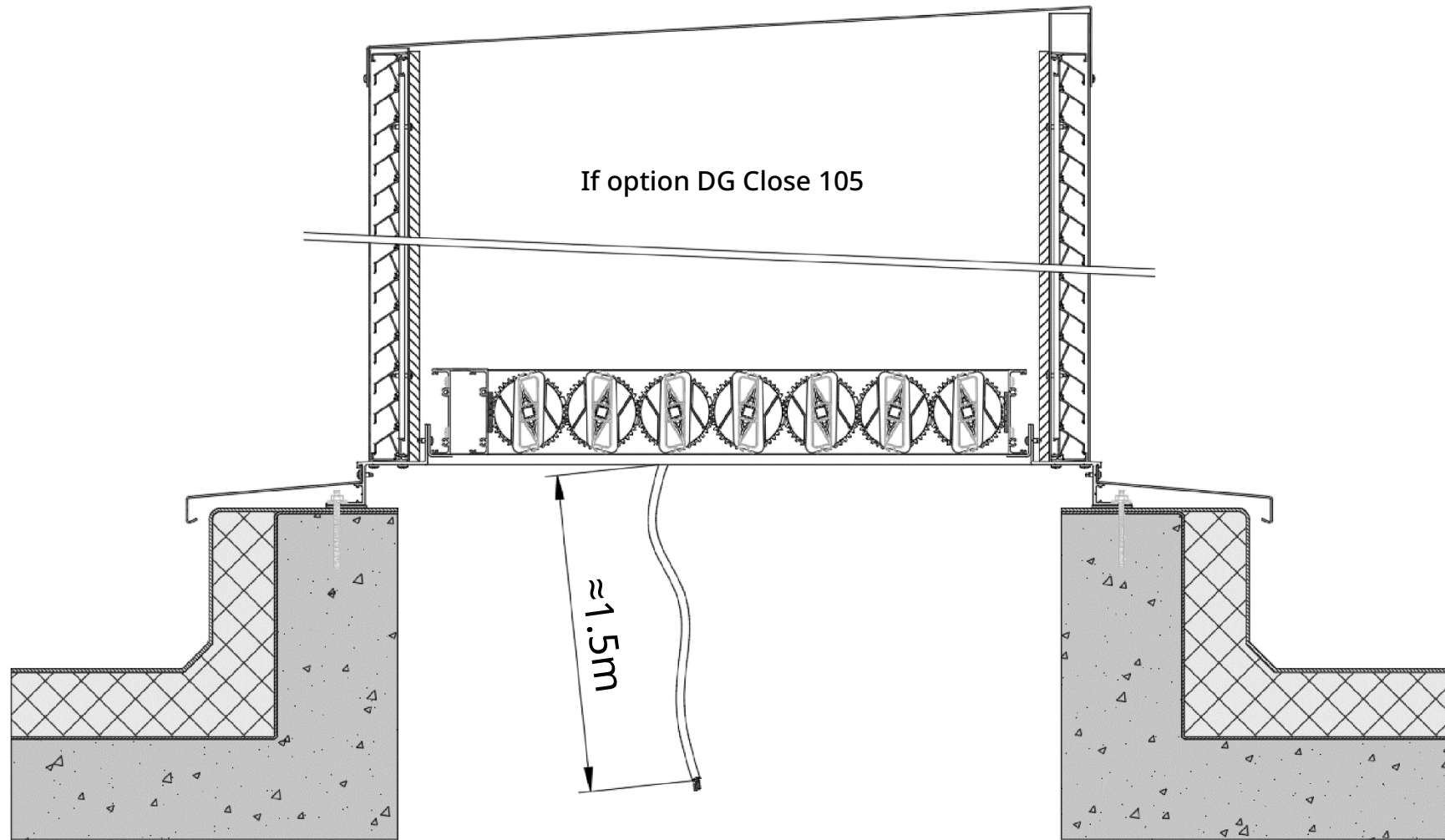
In consultation with the roofer, it can be agreed to fit the roof cladding only partially over the roof upstand such that the modules can be mounted directly on the surface. (see scenario left)
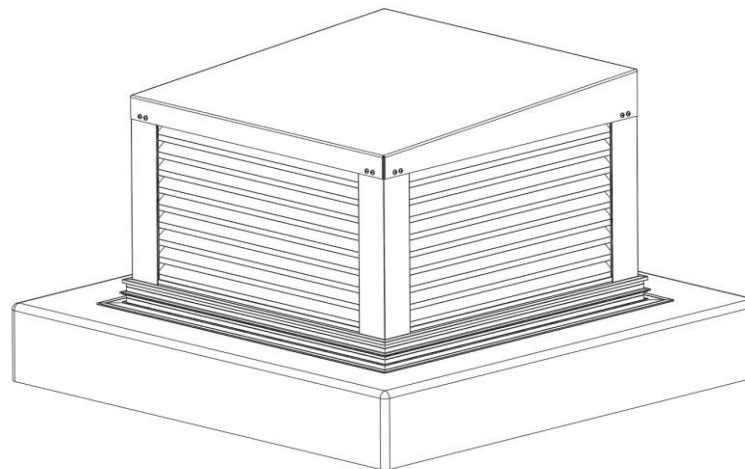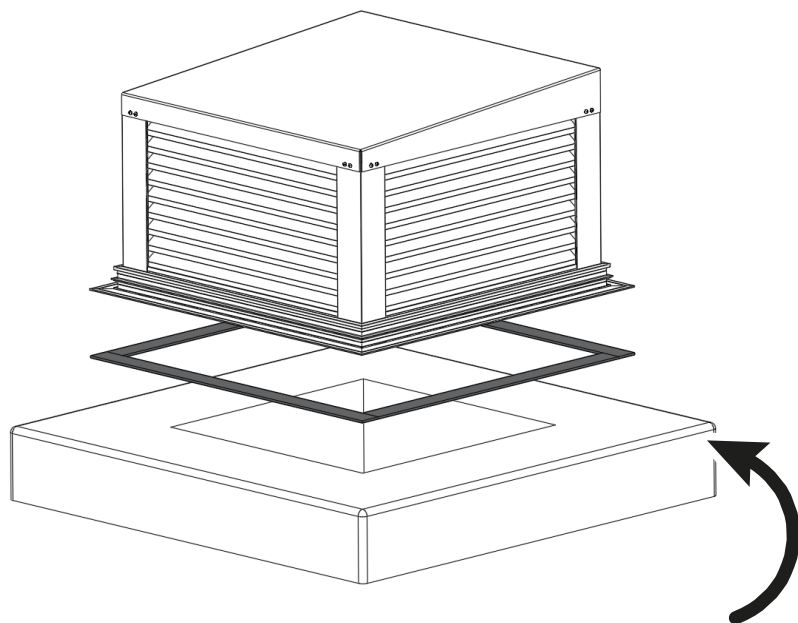

Water barrier

Vapour barrier

Water barrier & vapour barrier extend partially over the base
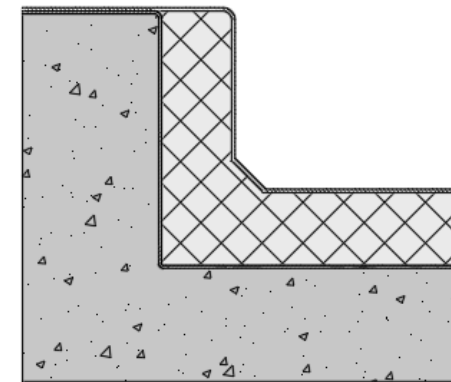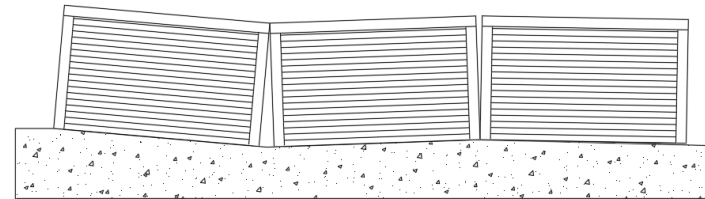
Water barrier & vapour barrier extend beyond the base

If option DG Close 105

≈1.5m

The cable exits the DG Close105 through
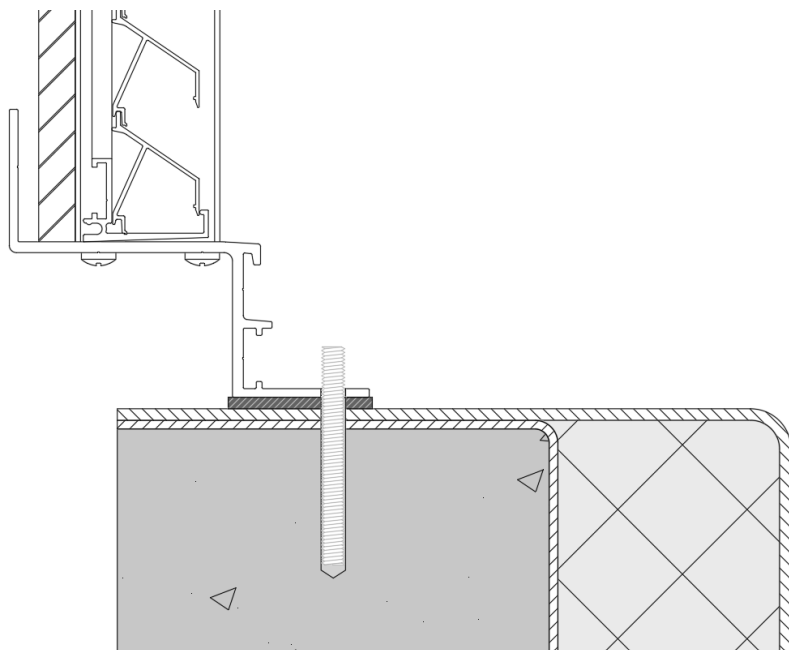the bottom and is ≈1.5m long

- The swellable tape (E0001601) supplied is to be applied between the roof turret and the concrete base.
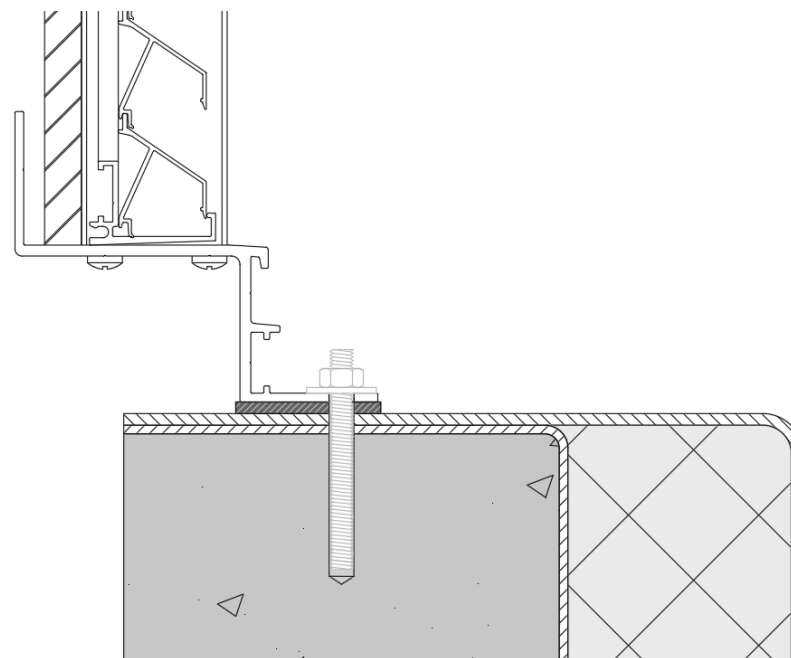Glue this to the roof turret OR the base.

- Drill holes around the roof turret, through the flange into the concrete. The holes must be large enough for M8 bolts.
- Not more than 1000 mm between the holes and at least 2 per side
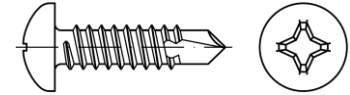
DUCO
Ventilation & Sun Control

Anchor the stud (not supplied by Duco)
in the concrete structure.
(e.g.: Chemical anchoring/injection mortar)
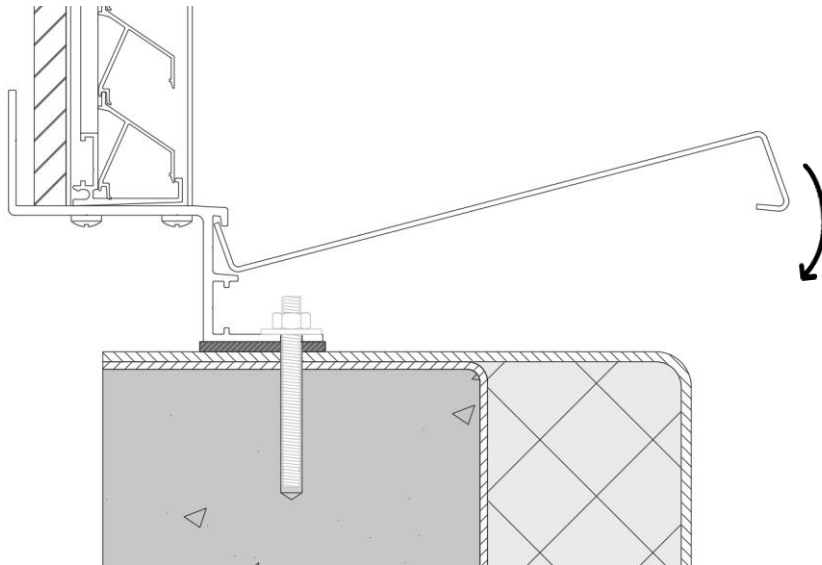
Secure the roof turret with a nut and washer
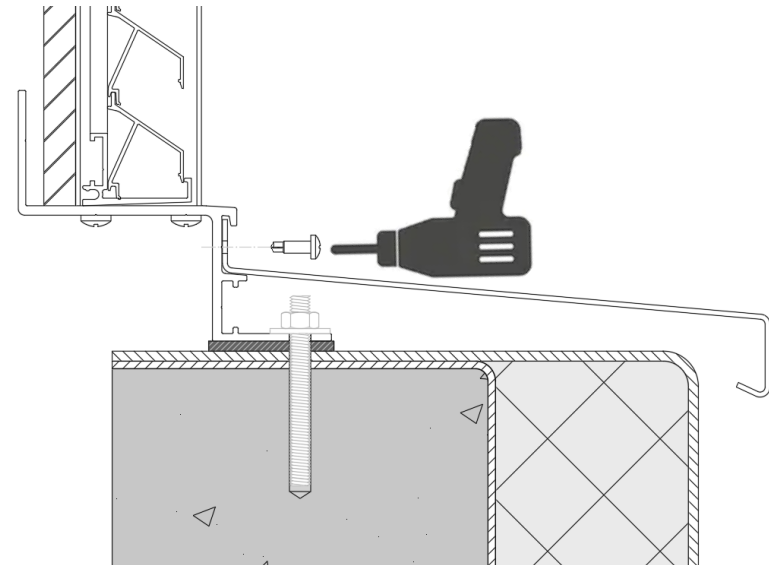(not supplied by Duco)

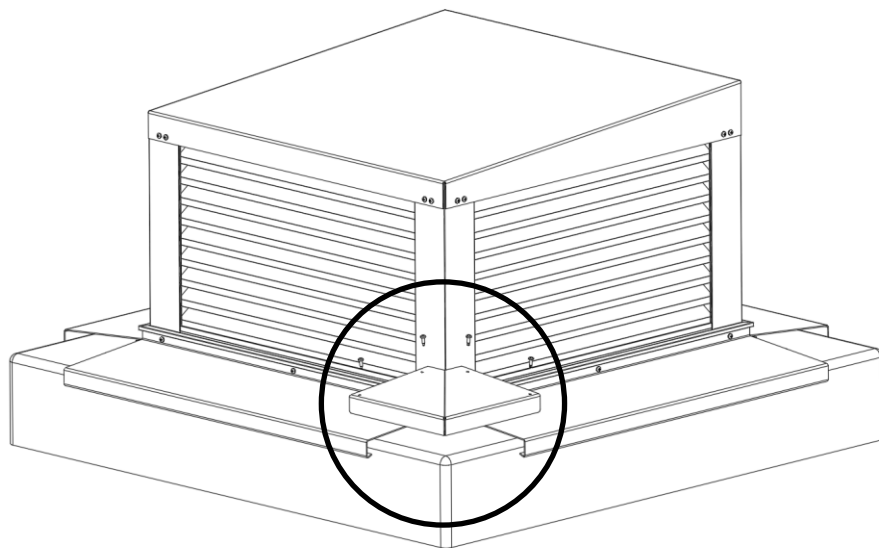G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

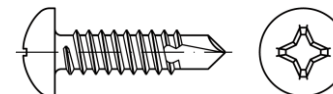Align the sill section with the base of the roof turret and rotate the sill into place.

Secure the sill section using the screws supplied. The section is already provided with pre-drilled holes.
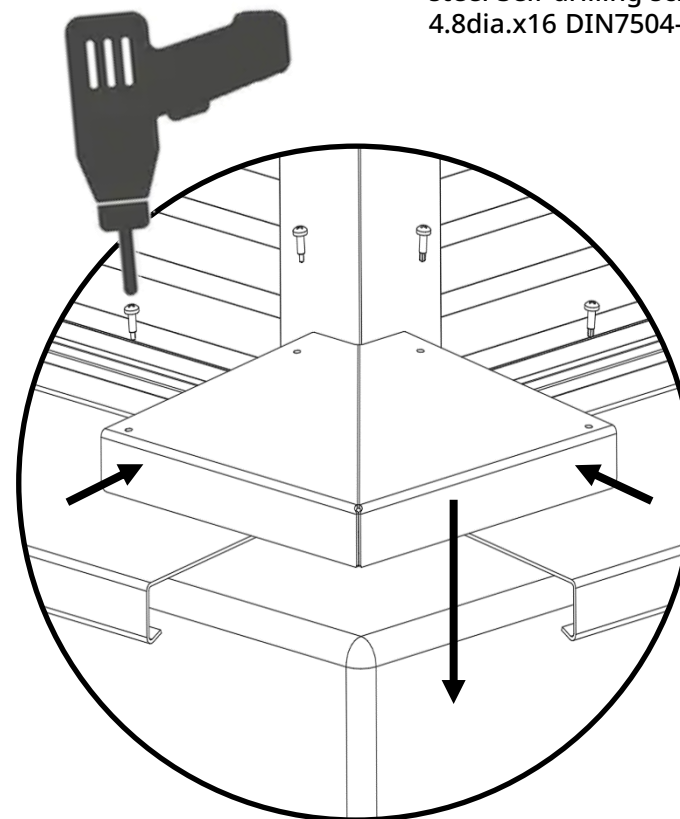
DUCO
Ventilation & Sun Control

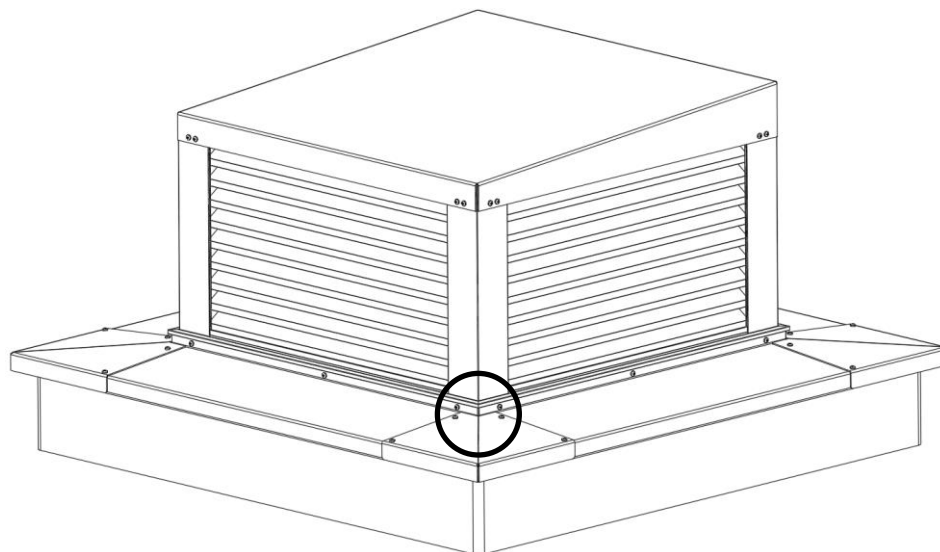
G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

Position the corner piece (G0120025) on the sill section and secure with 4 screws, the holes in the corner piece are already pre-drilled.

DUCO
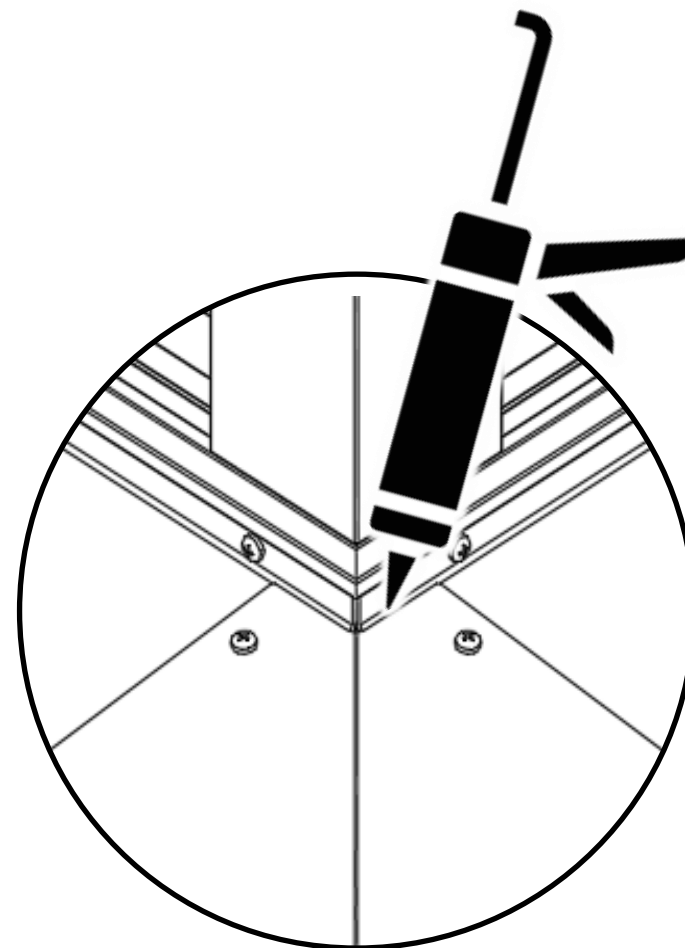Ventilation & Sun Control

Carefully seal the joint at the upper edge with transparent silicone. (4x)

- If option DG Close 105:
  Swellable tape (E0001601) must also be provided on the open side at the bottom of the roof turret on the side of the section

G0120031

- Start by mounting the left module, you will recognise it by the presence of the connector (G0120031).

- The swellable tape (E0001601) supplied is to be applied between the roof turret and the concrete base. Glue this to the roof turret OR the base
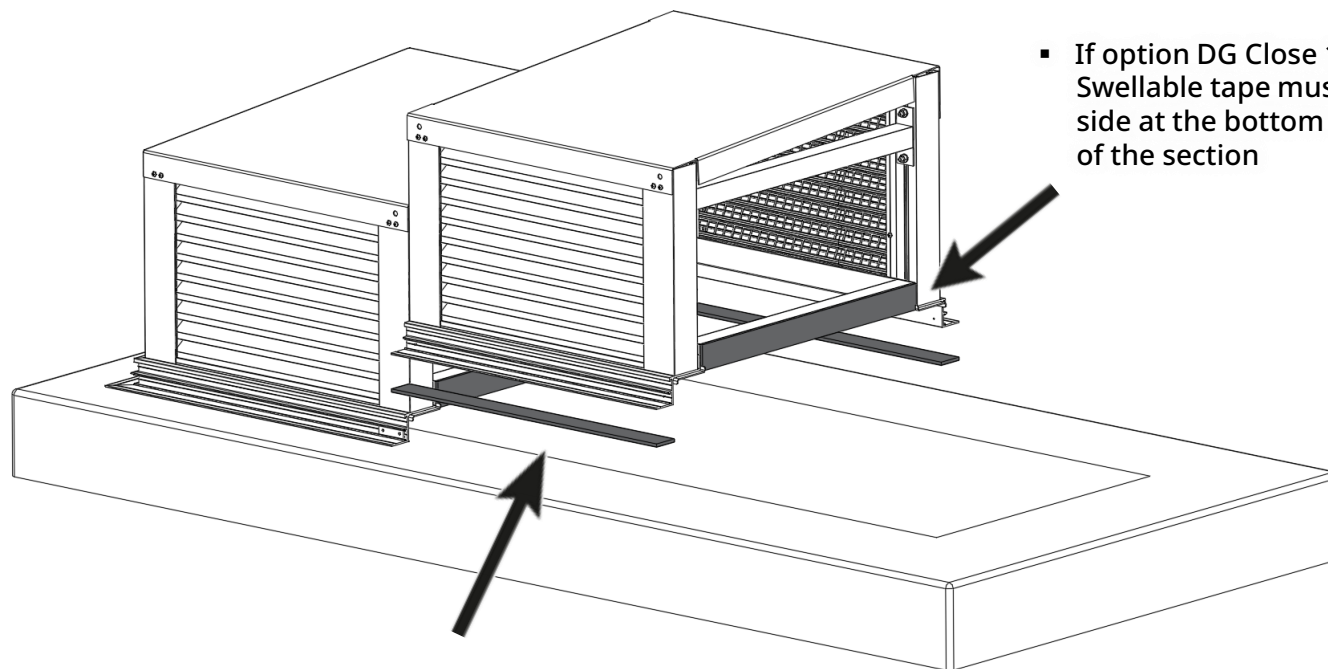
1. Start by mounting the left module, you will recognise it by the presence of the connector (G0120031).
2. Position the module on the roof and slide the linking plate (G0120032) into the base section. (2x)
3. Apply transparent silicone to the connector and the corner sections to obtain a watertight joint with the adjoining module
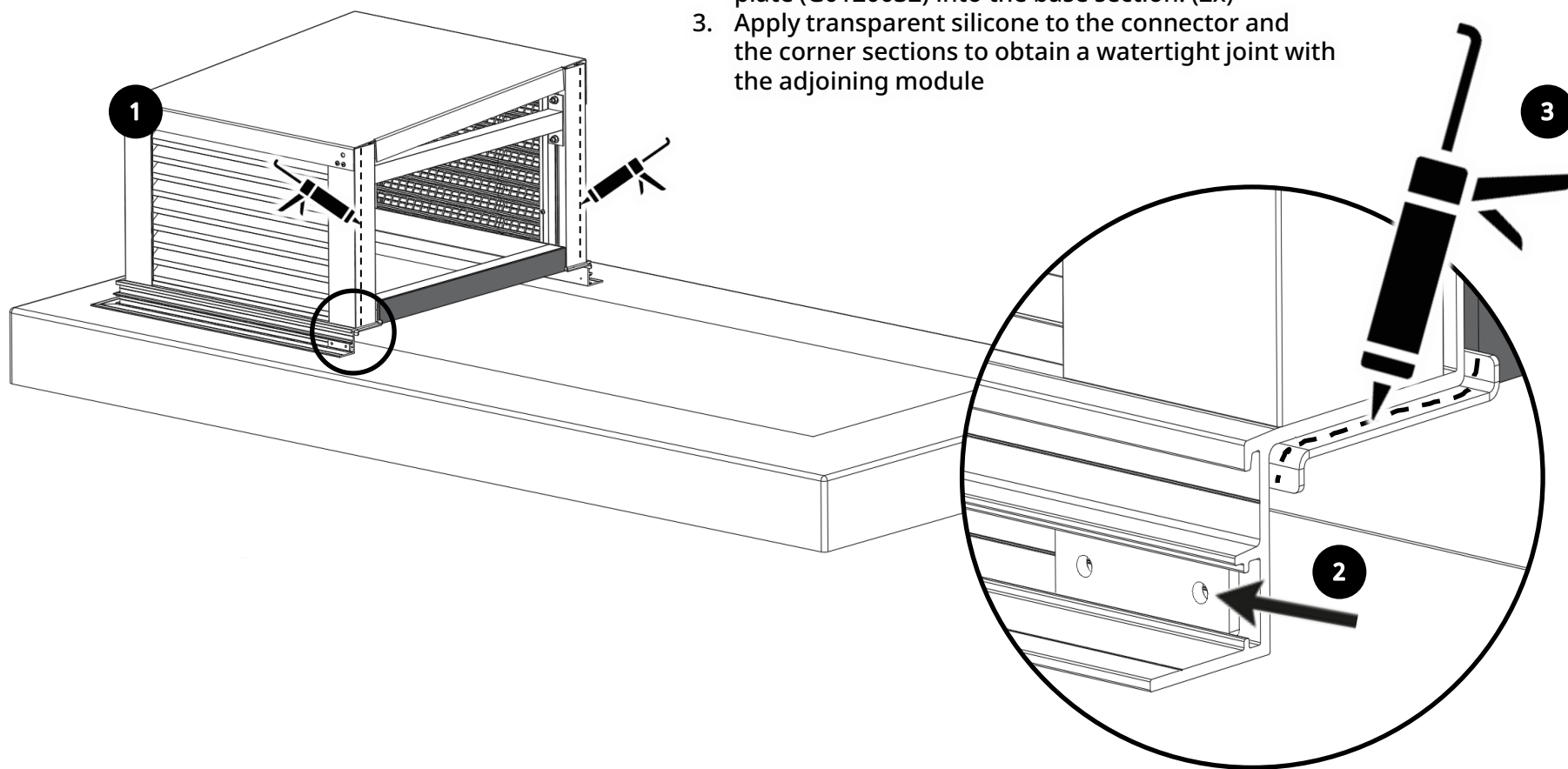
- If option DG Close 105:
  Swellable tape must also be provided on one open side at the bottom of the roof turret on the side of the section

- Mount the centre module next to the left-hand module.

- The swellable tape (E0001601) supplied is to be applied between the roof turret and the concrete base. Glue this to the roof turret OR the base
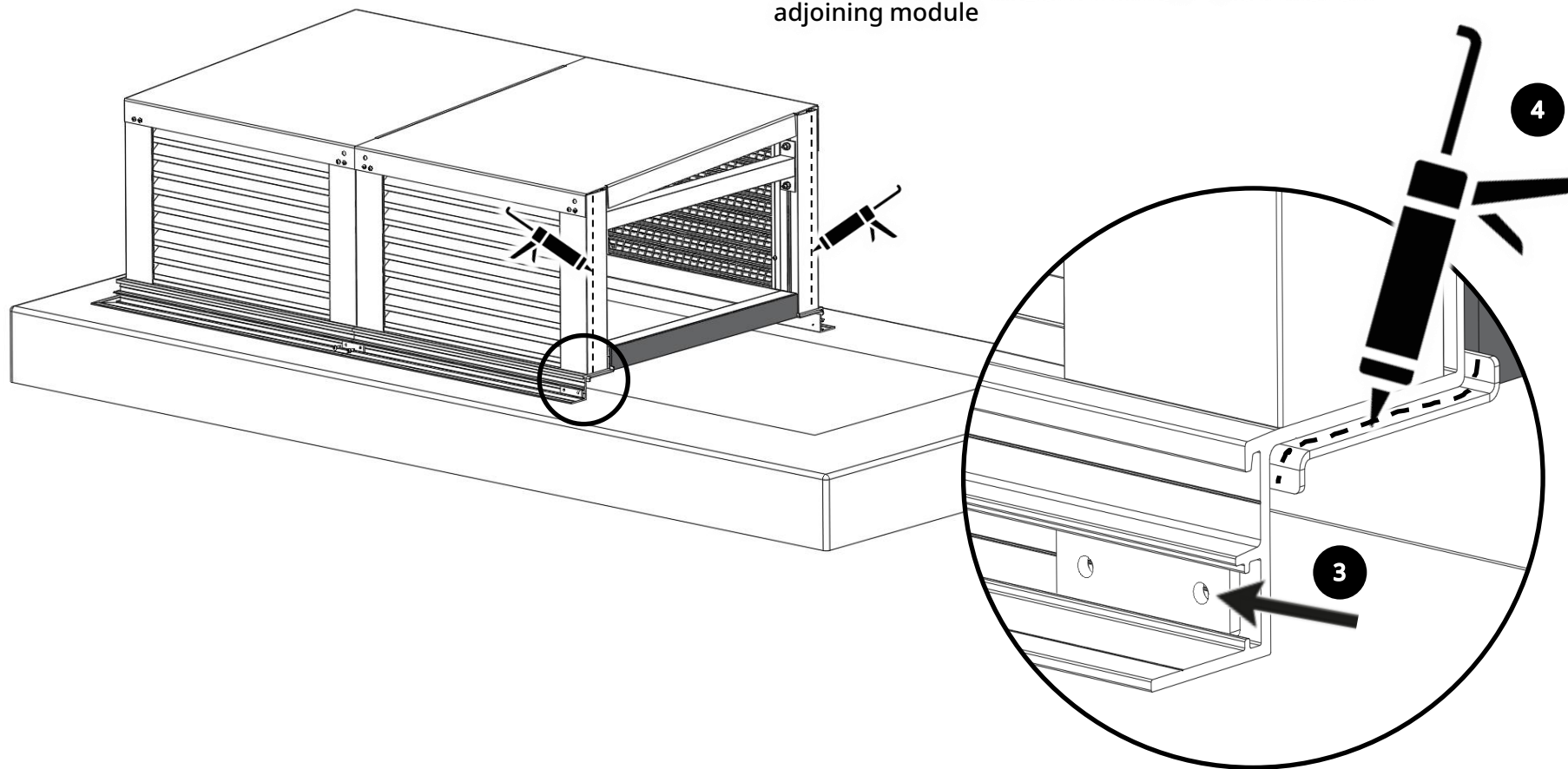
DUCO
Ventilation & Sun Control

1. Mount the centre module next to the left-hand module.
2. Link the modules with the linking plate (G0120032).
   Pre-drilled holes are provided in the base section.
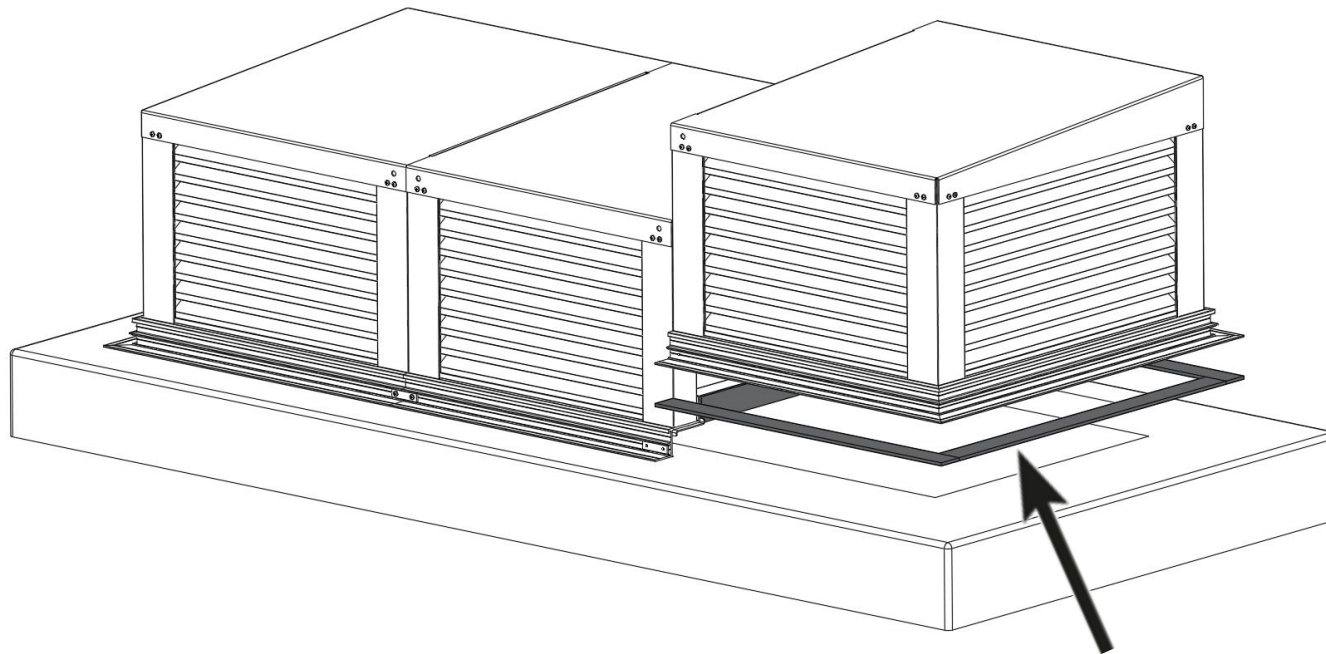   Use the screws provided for this purpose.
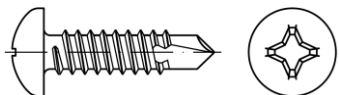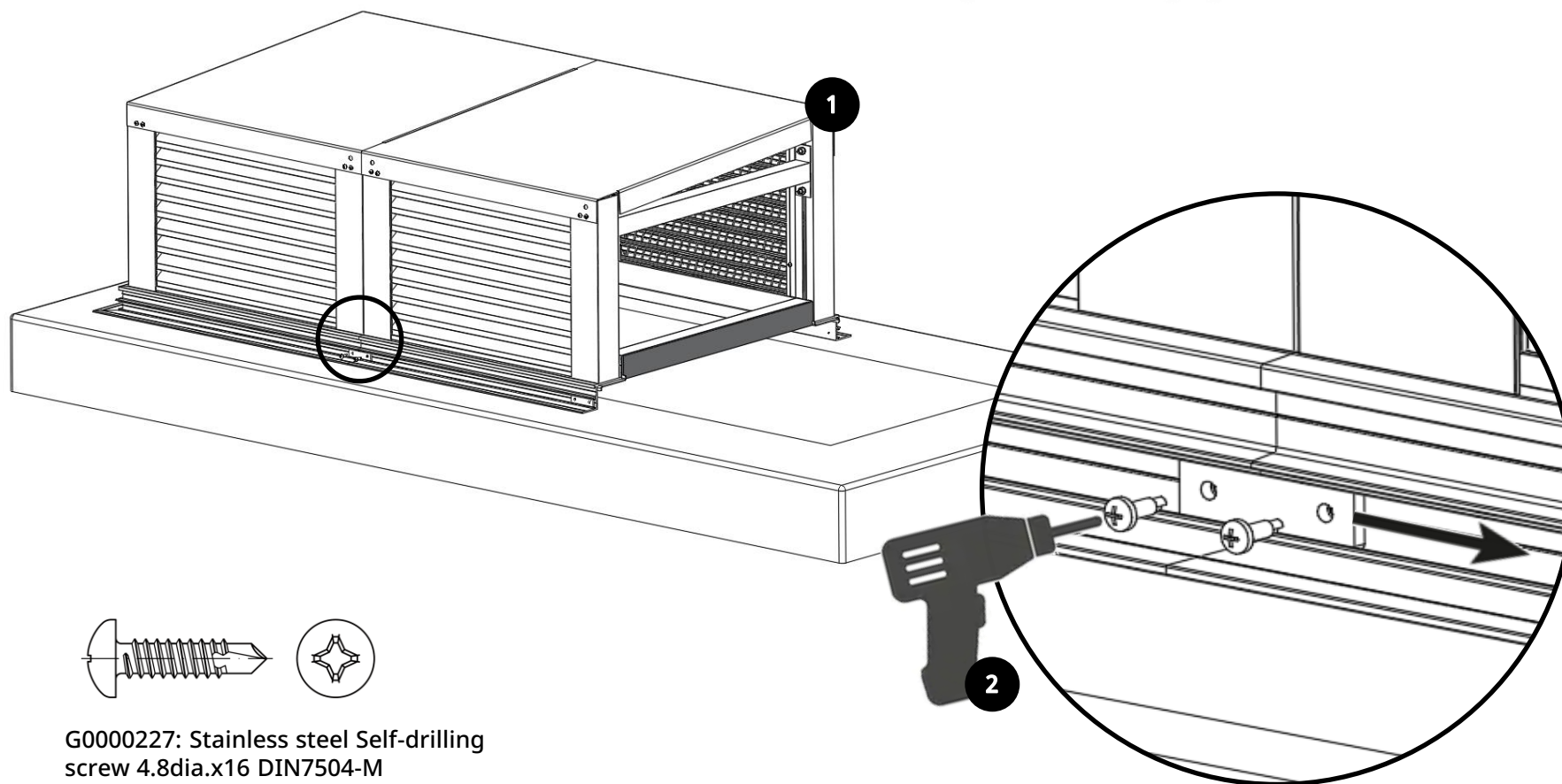
G0000227: Stainless steel Self-drilling
screw 4.8dia.x16 DIN7504-M

3. Position the module on the roof and slide the linking plate (G0120032) into the base section. (2x)
4. Apply transparent silicone to the connector and the corner sections to obtain a watertight joint with the adjoining module
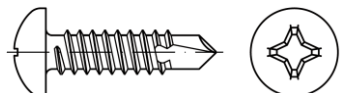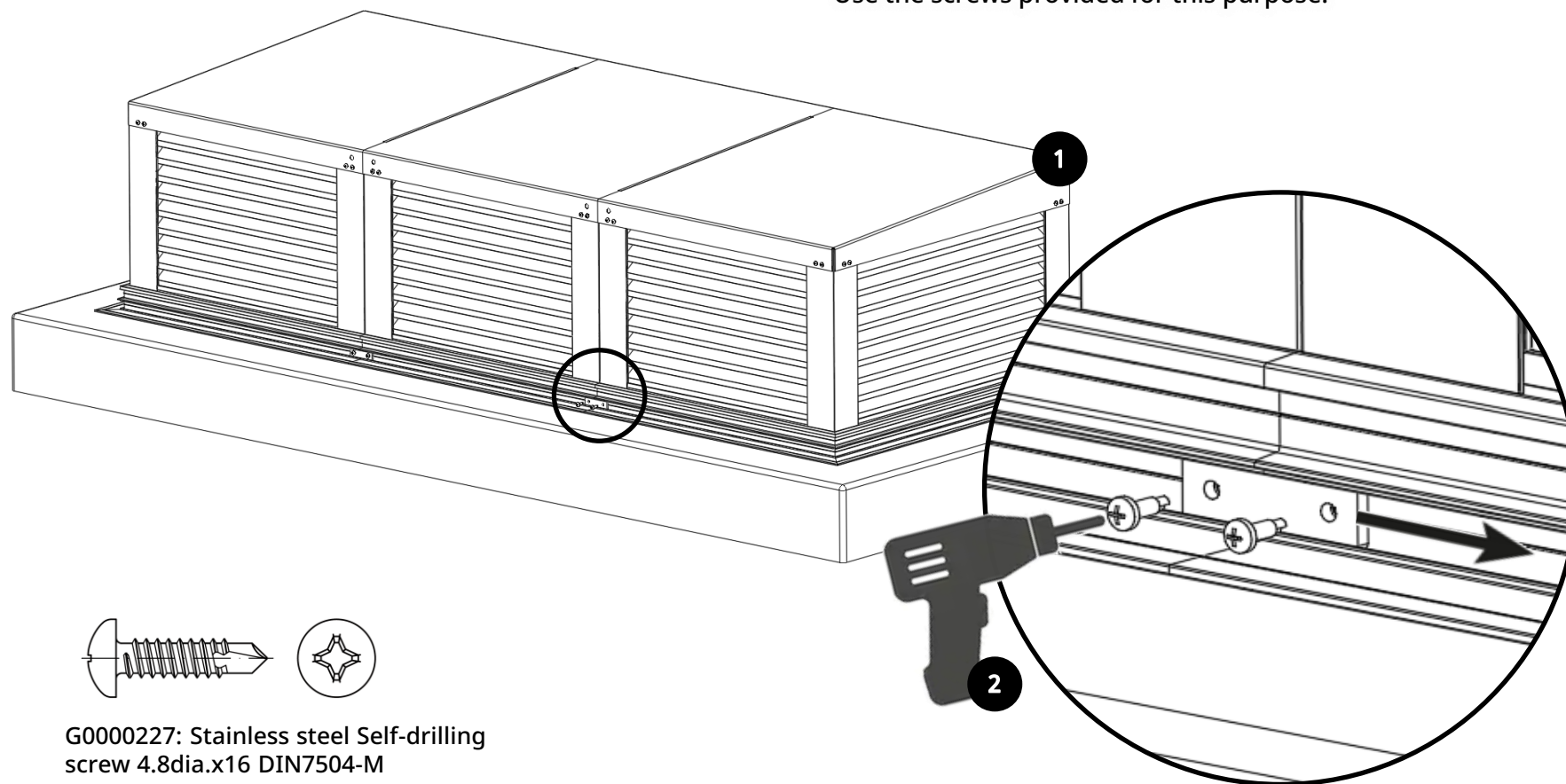
- Mount the centre module next to the left-hand module.

- The swellable tape (E0001601) supplied is to be applied between the roof turret and the concrete base. Glue this to the roof turret OR the base
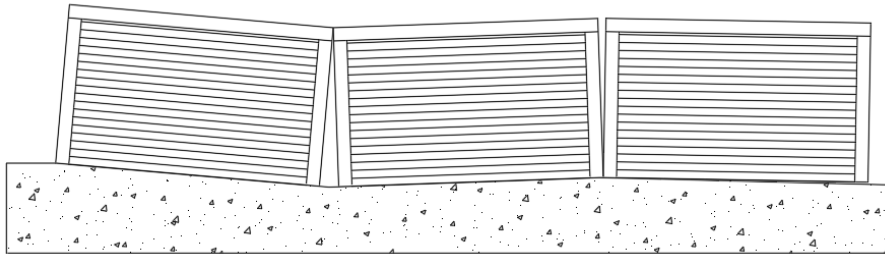
DUCO
Ventilation & Sun Control

1. Mount the right module adjacent to the centre module.
2. Link the modules with the linking plate (G0120032).
   Pre-drilled holes are provided in the base section.
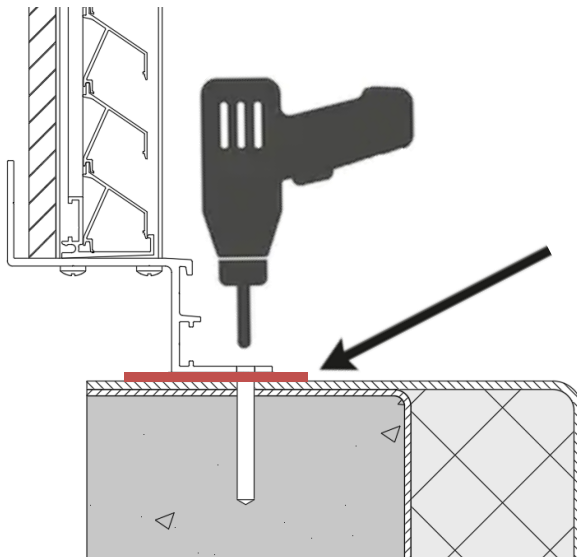   Use the screws provided for this purpose.

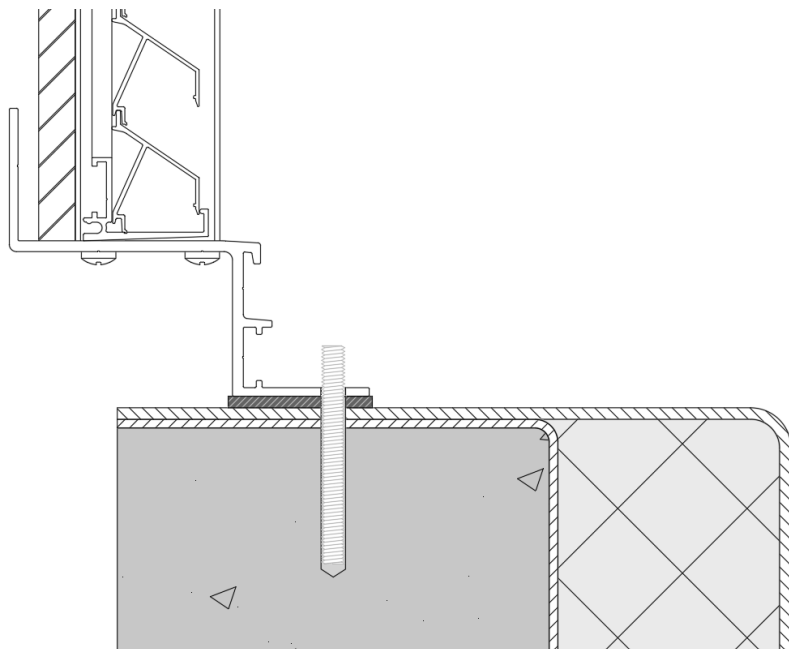G0000227: Stainless steel Self-drilling
screw 4.8dia.x16 DIN7504-M

- In the case of a very uneven surface:
  - Support the base section using filler/shimming blocks
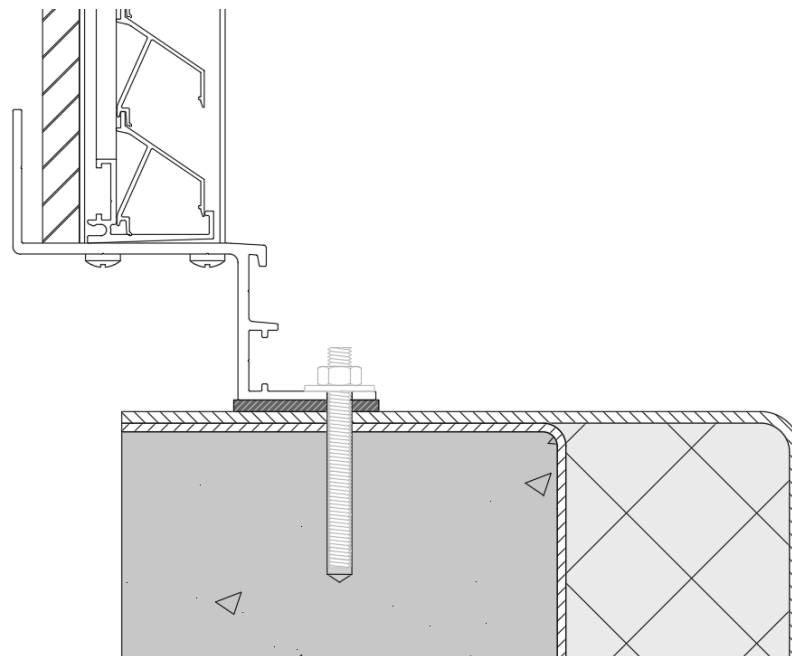 - Fit support at the fixing locations, every 500 mm

- Drill holes around the roof turret, through the flange into the concrete. The holes must be large enough for M8 bolts.
- Not more than 1000 mm between the holes and at least 2 per side

Anchor the stud (not supplied by Duco) in the concrete structure.
(e.g.: Chemical anchoring/injection mortar)

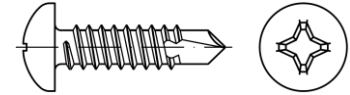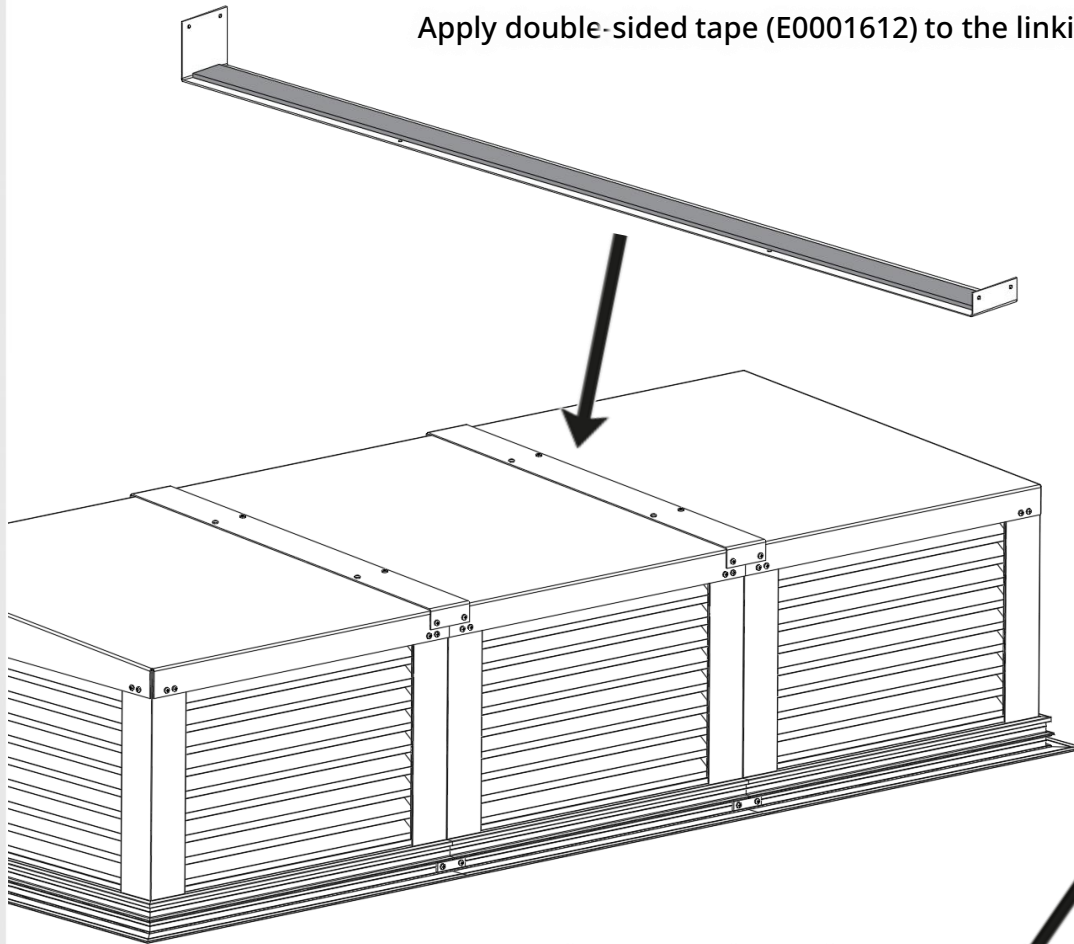Secure the roof turret with a nut and washer (not supplied by Duco)
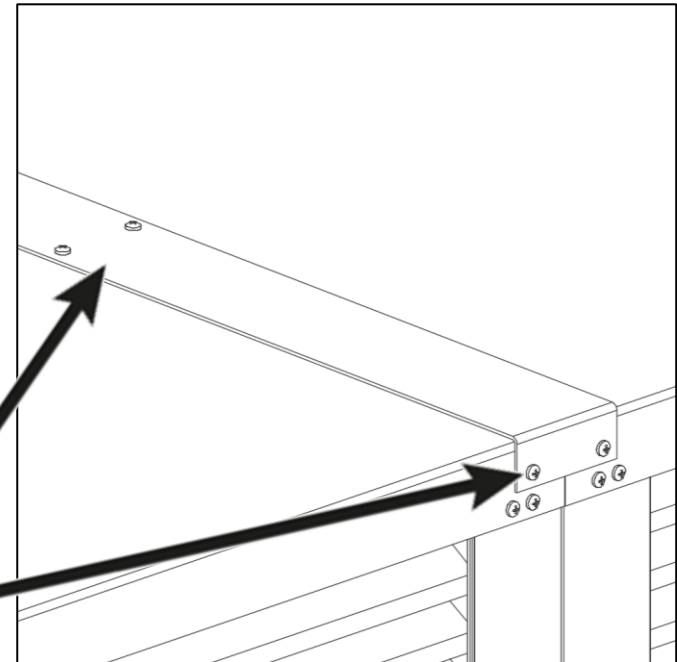
DUCO
Ventilation & Sun Control

Apply double-sided tape (E0001612) to the linking plate (G012007)

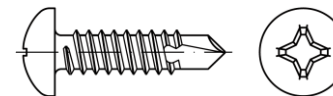G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

Screw the strip to the roof turret securely using self-drilling screws 4.8dia.x16 (G0000227)
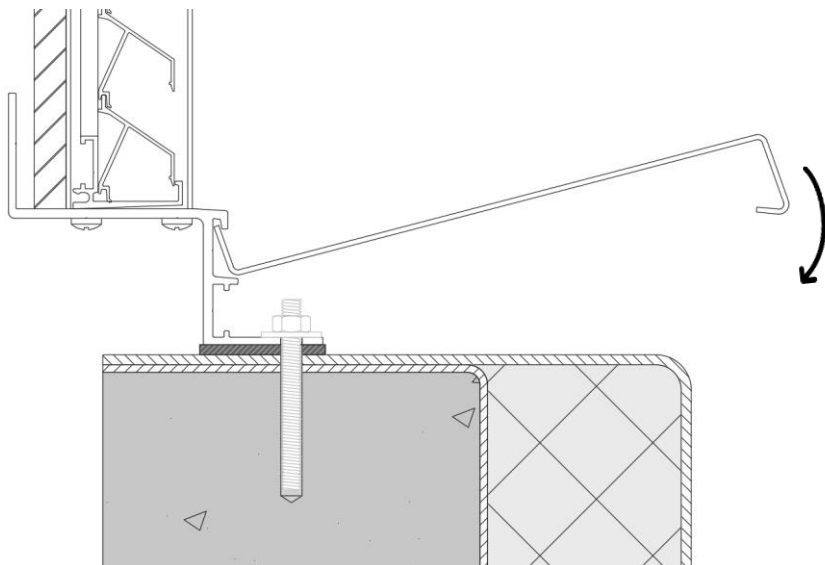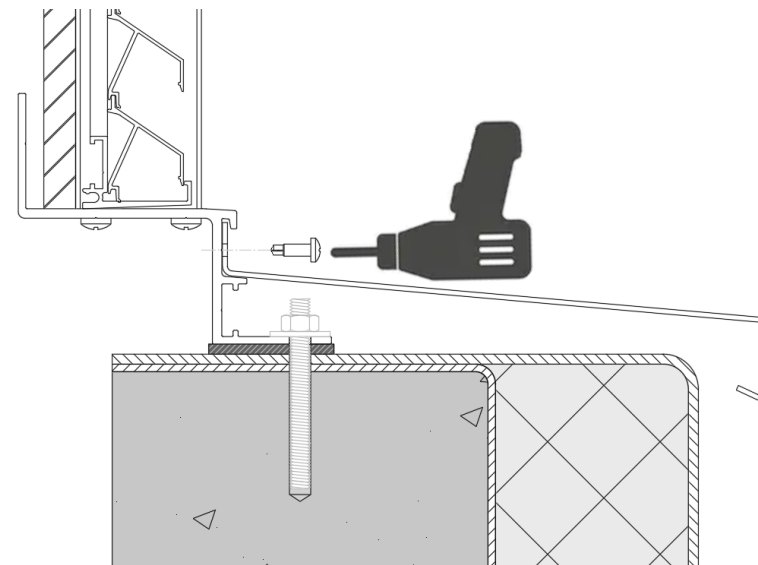
DUCO
Ventilation & Sun Control

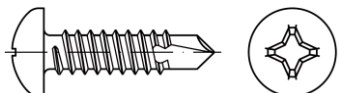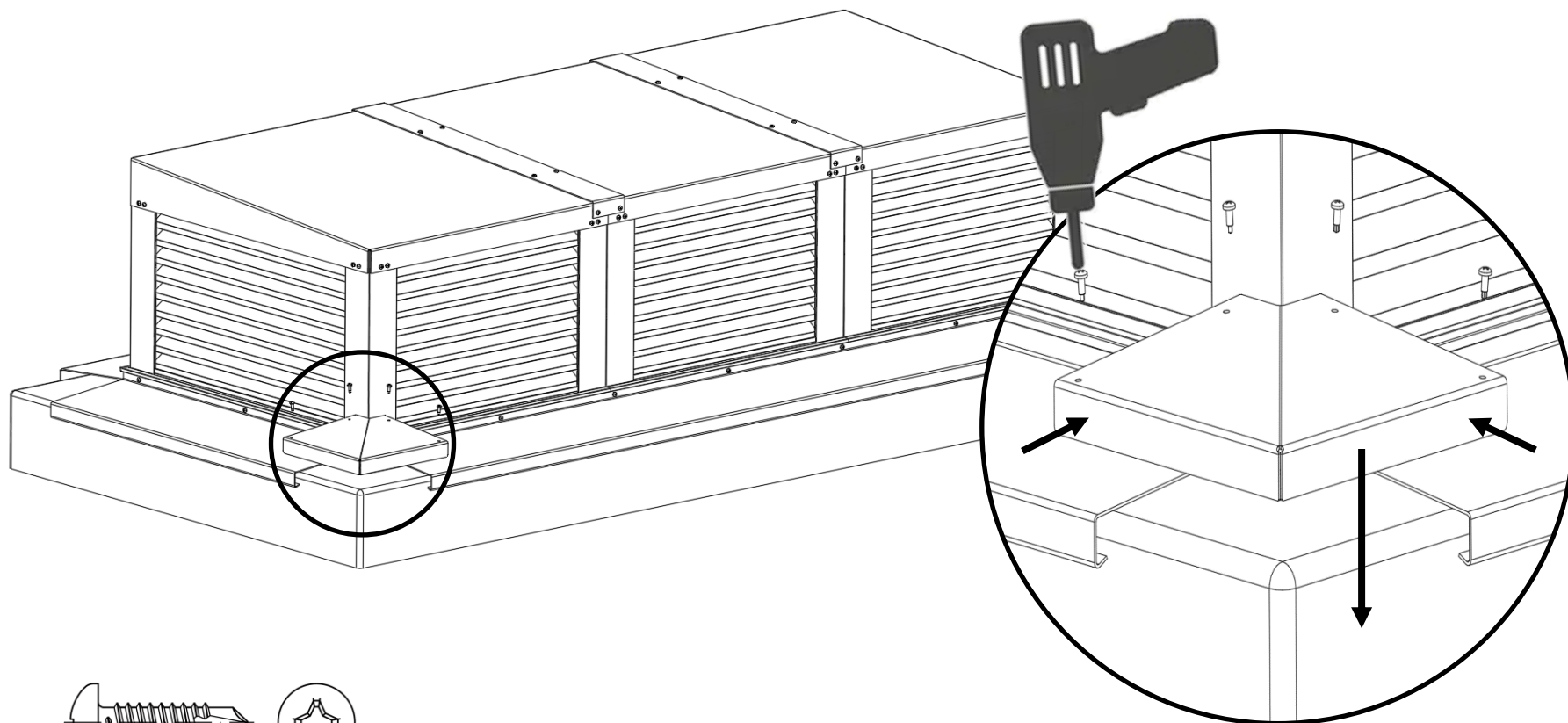G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

Align the sill section with the base of the roof turret and rotate the sill into place.

Secure the sill section using the screws supplied. The section is already provided with pre-drilled holes.
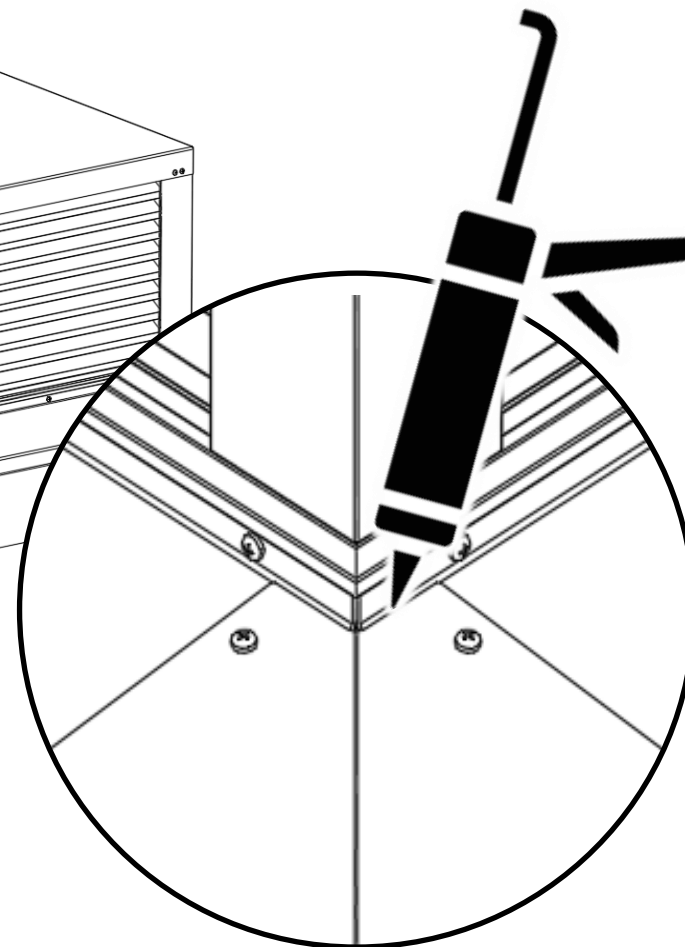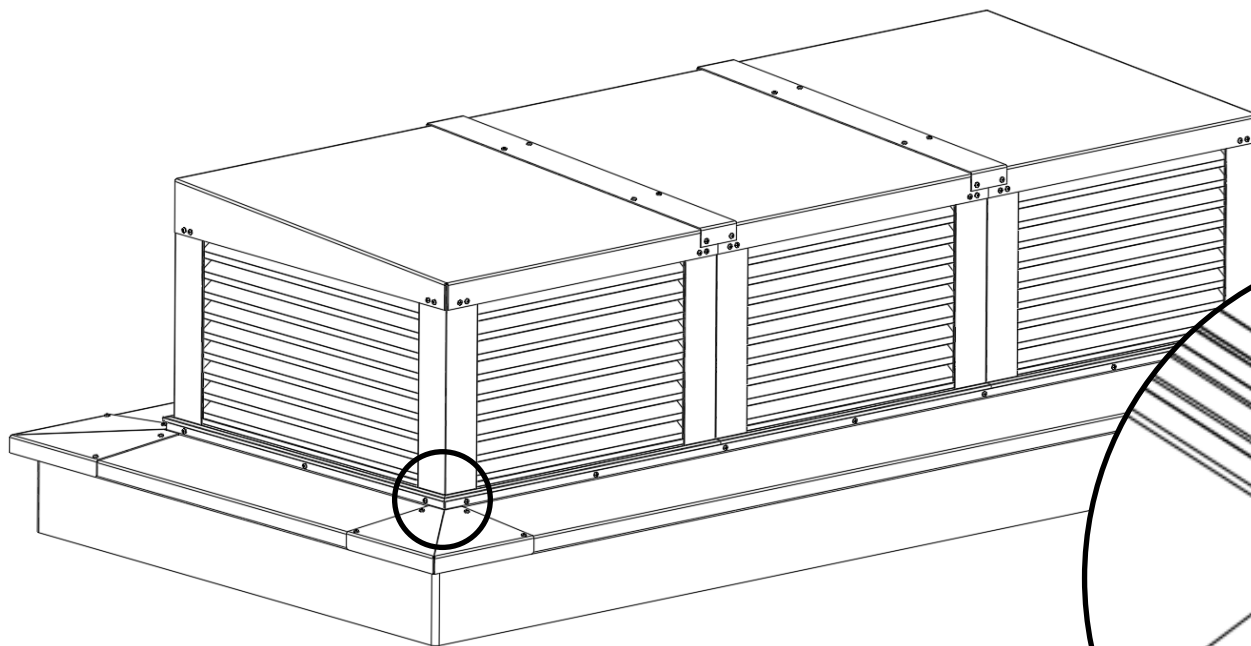
DUCO
Ventilation & Sun Control

G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

Position the corner piece (G0120025) on the sill section and secure with 4 screws, the holes in the corner piece are already pre-drilled.
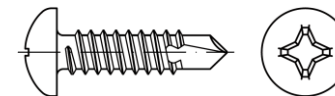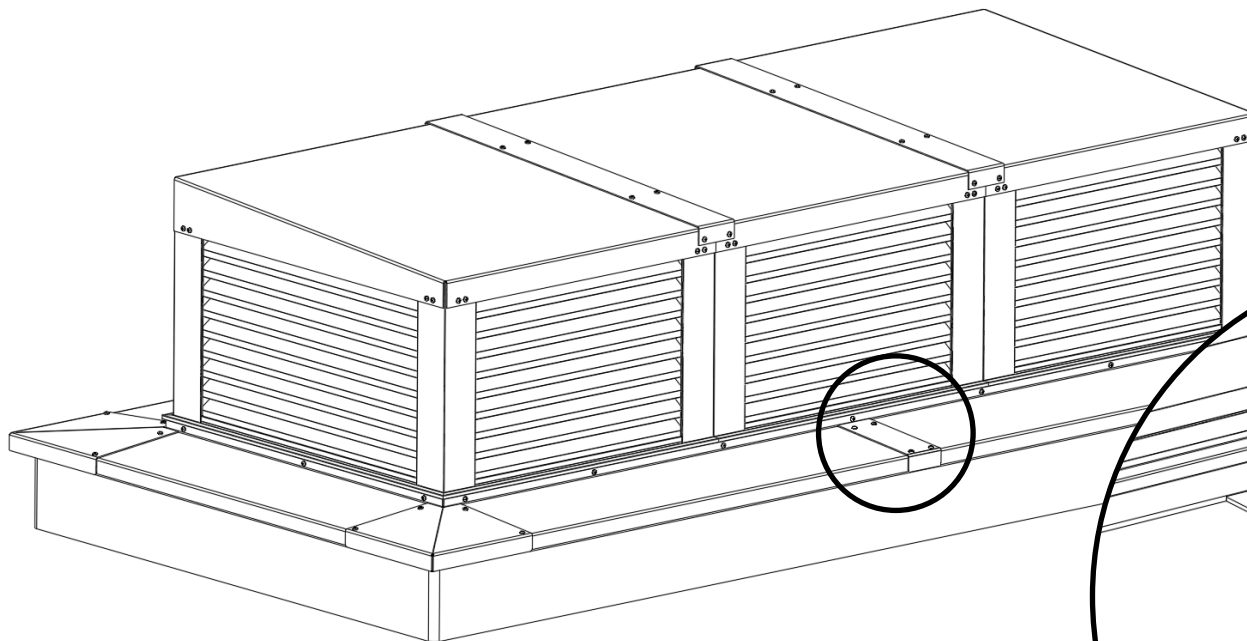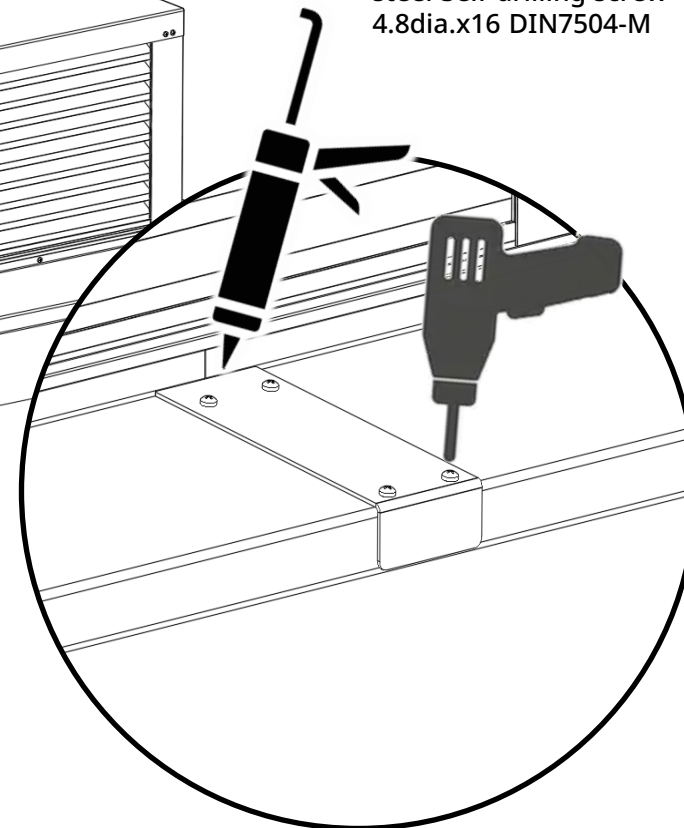
Carefully seal the joint at the upper edge with transparent silicone. (4x)

4 Mounting Multiple modules

G0000227: Stainless steel Self-drilling screw 4.8dia.x16 DIN7504-M

If the total length of the sill section is greater than 3m, it will consist of 2 separate parts. These parts are to be linked using connector G0120035.

Screw them securely using the screws provided, seal the top with transparent silicone