

MFT-FOX VTR-1L-bolts

Aluminum/Stainless steel support system
for rainscreen cladding

Hilti facade system



MFT-FOX VTR-1L

The system consists of stainless steel wall brackets and aluminum profiles and is specifically designed for vertical substructures in ventilated facades. Wall brackets are supplied with an additional isolator pad and different hole geometries in the base plate which allow the usage of every standard Hilti anchor.

Wall brackets are designed with fix or flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

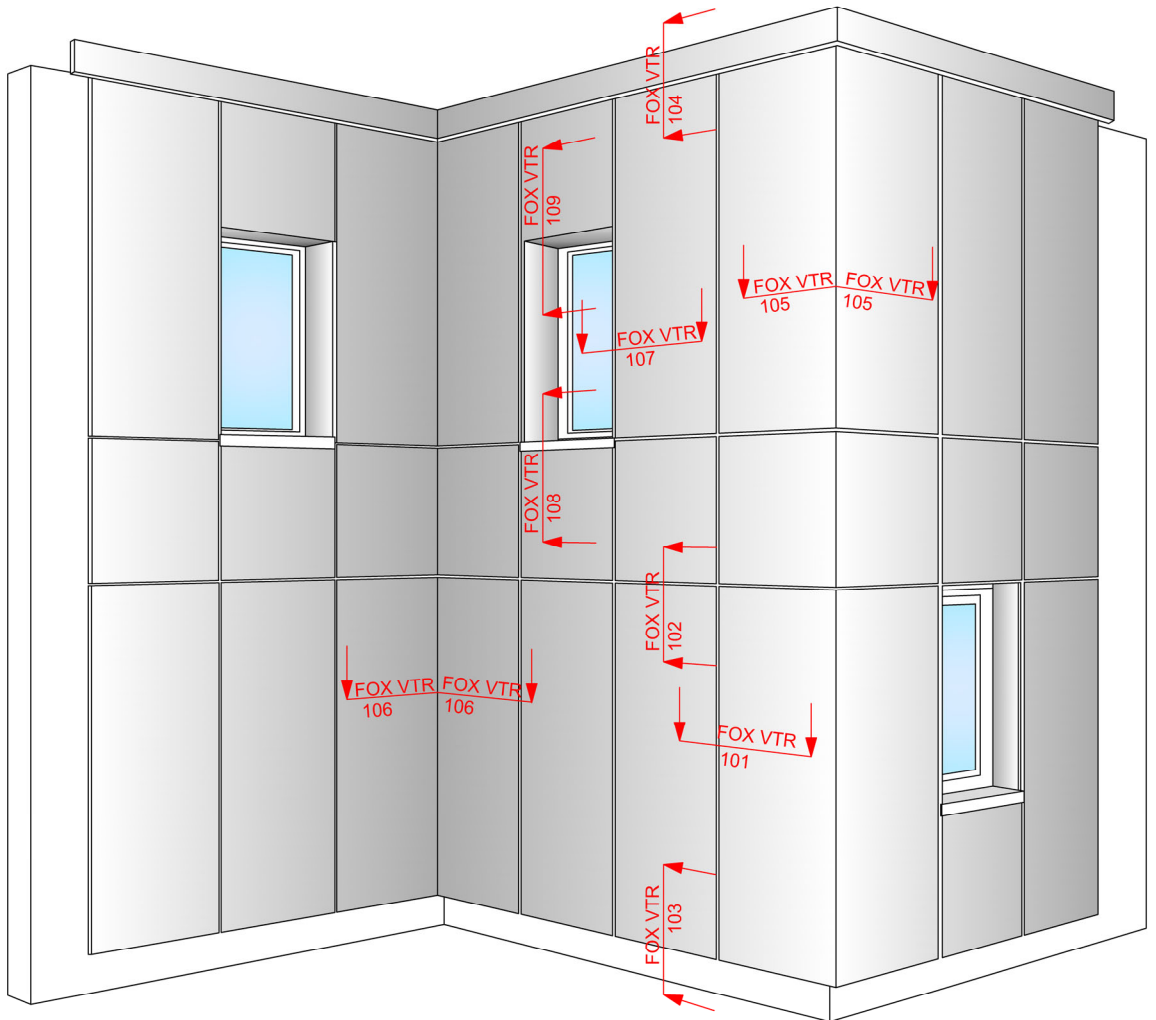
Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads on the substructure by the profile's expansion forces.

With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available from 60 mm to 300 mm in 20 mm increments, each in two different sizes (large and medium). The isolator pad separates the substructure from the base material to reduce thermal bridging.

Advantages:

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- Bracket length 60 – 300 mm
- Stainless Steel A4 material
- Lower heat loss of bracket due to additional cut outs
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be mounted with every standard Hilti anchor / fastening method
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Façade to generate technically-sound and economically-optimised solutions
- Can be used with all common cladding materials

View of cladding

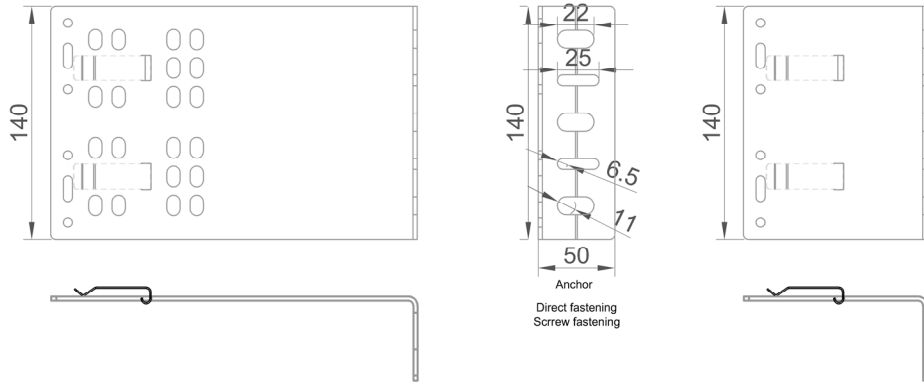


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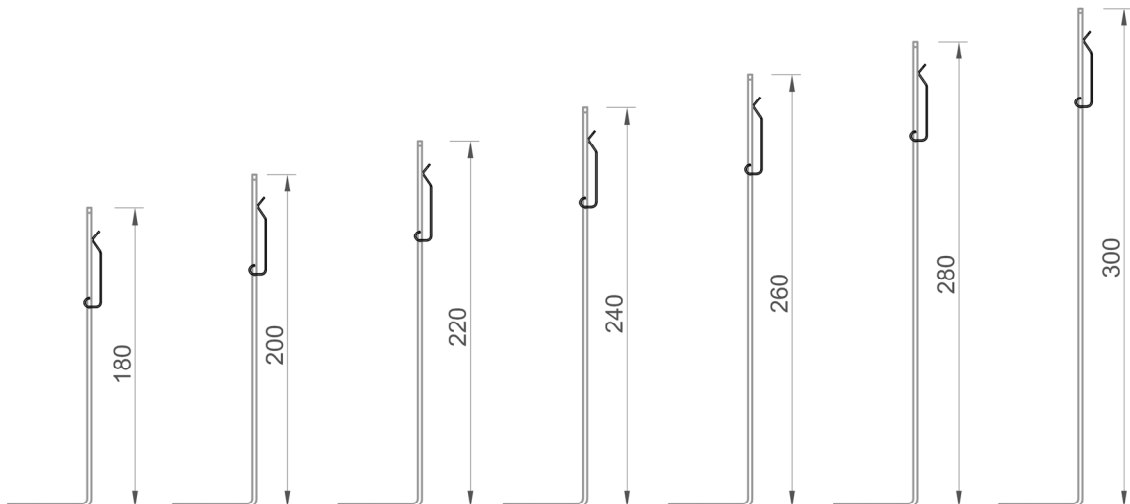
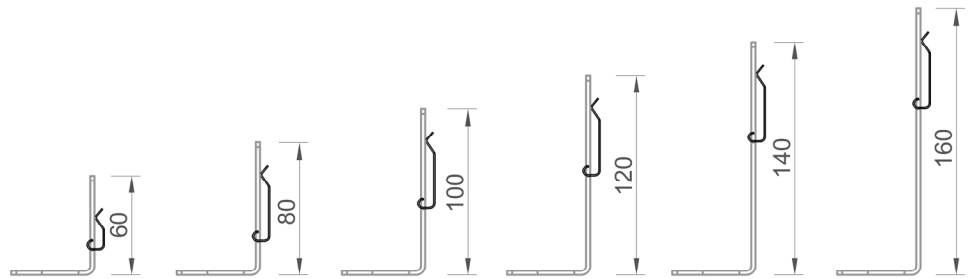
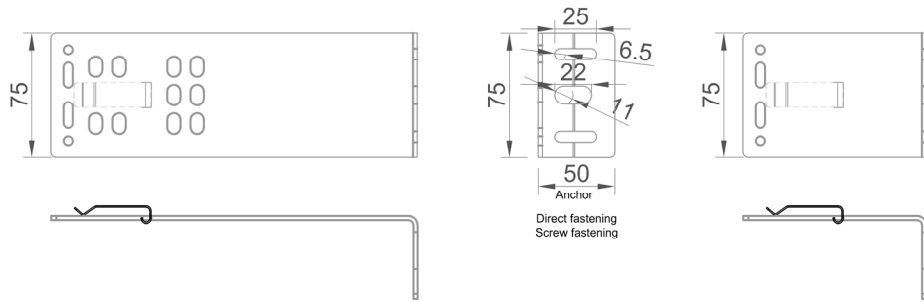
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MFT-FOX VTR-Large

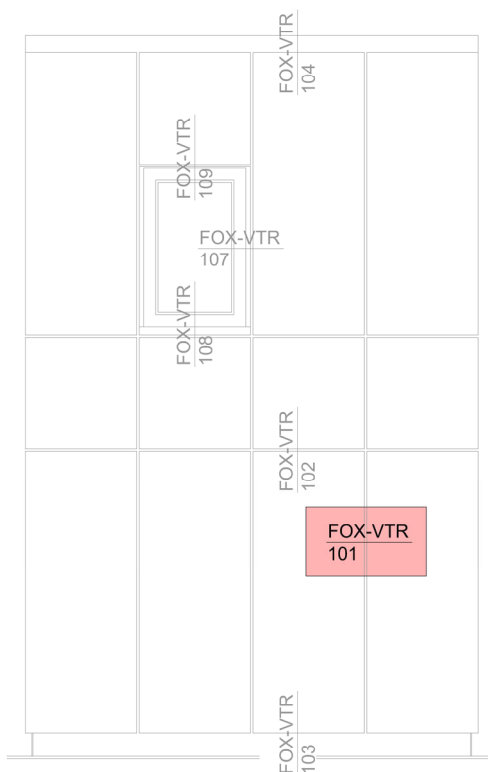
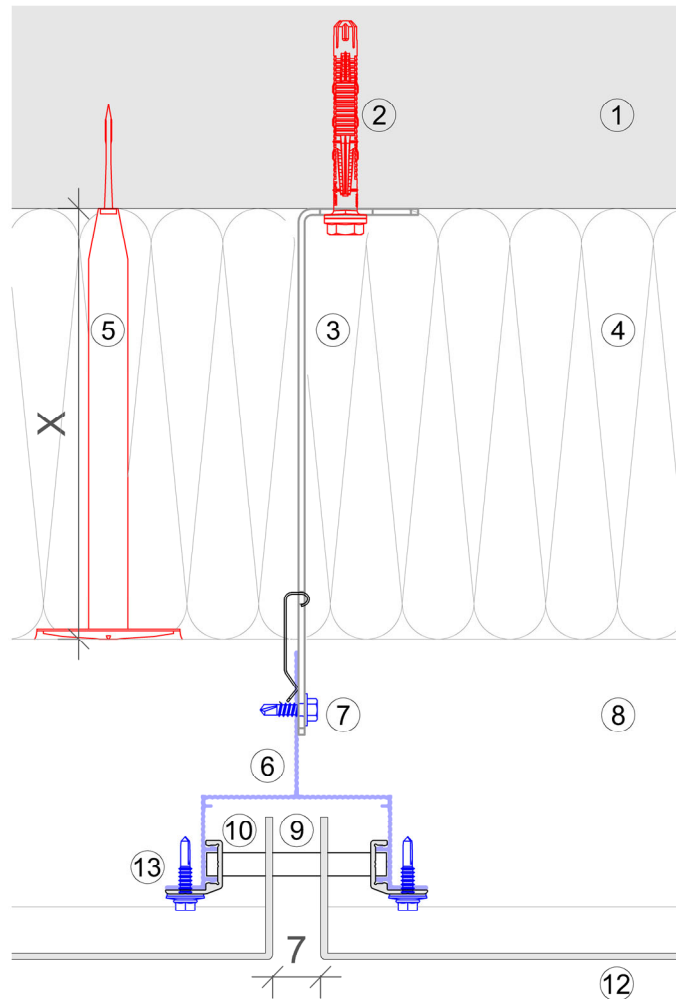


MFT-FOX VTR-Medium





Horizontal section



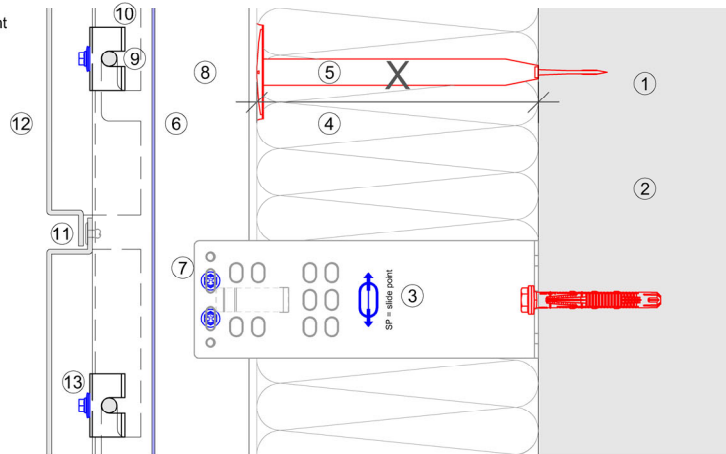
Legend

- 1 Base material
- 2 Anchor acc. to static
- 3 Bracket + isolator
- 4 Insulation
- 5 Fixing insulation
- 6 Profile
- 7 Self drilling screw
- 8 Ventilation gap
- 9 Aluminium-bolt
- 10 Clip
- 11 Fixing cladding
- 12 Cladding
- 13 S-MD51LS 5.5x25

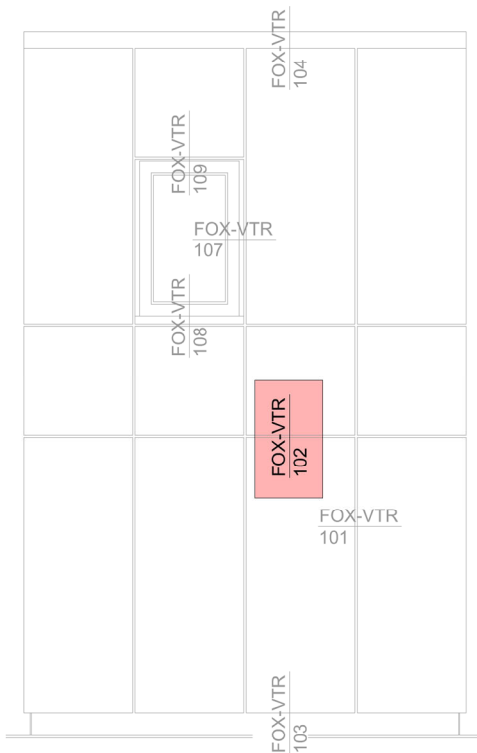
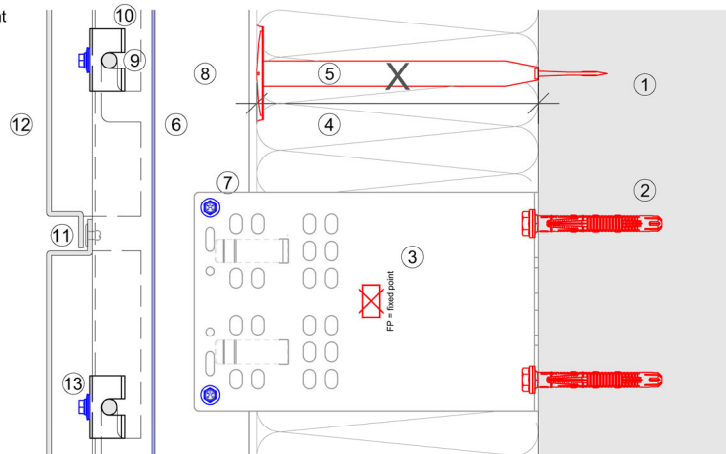


Vertical section

Vertical section-flexible point



Vertical section-fixed point

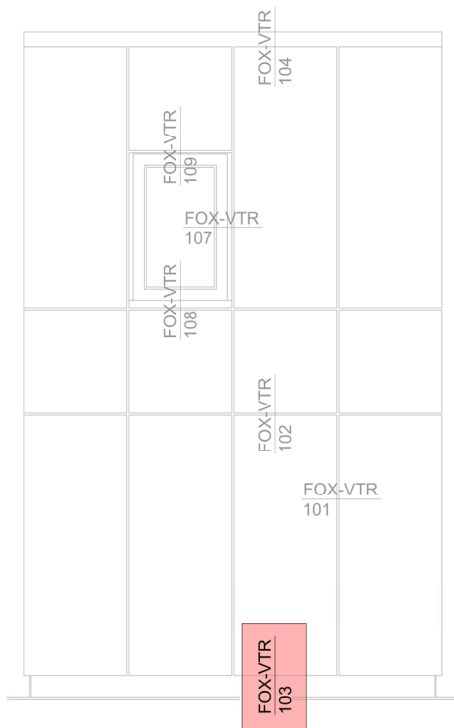
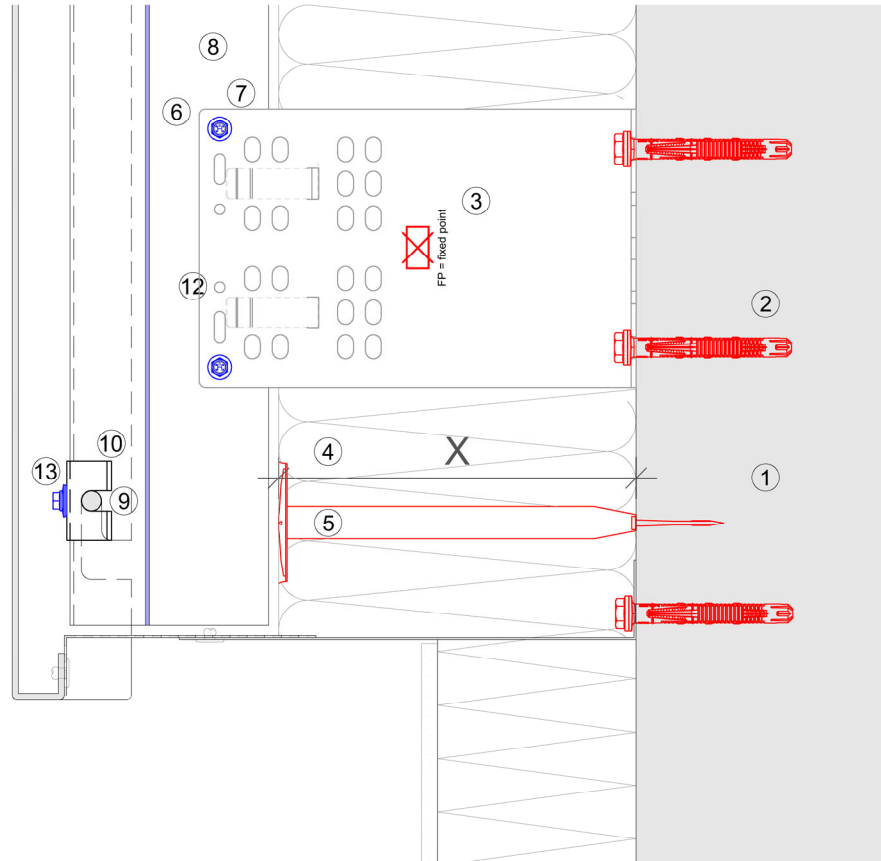


Legend

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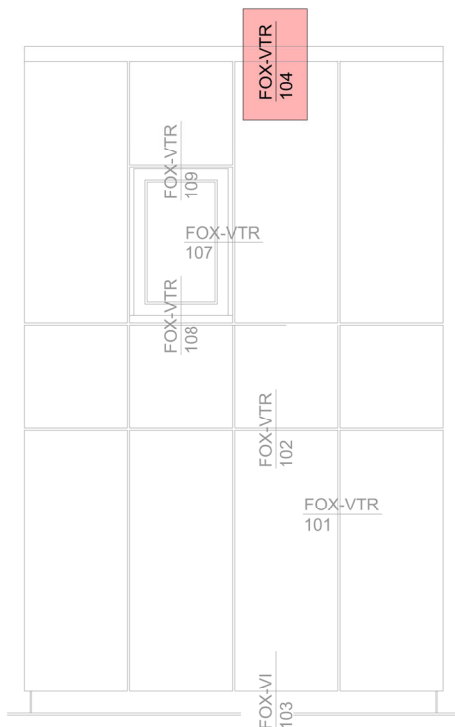
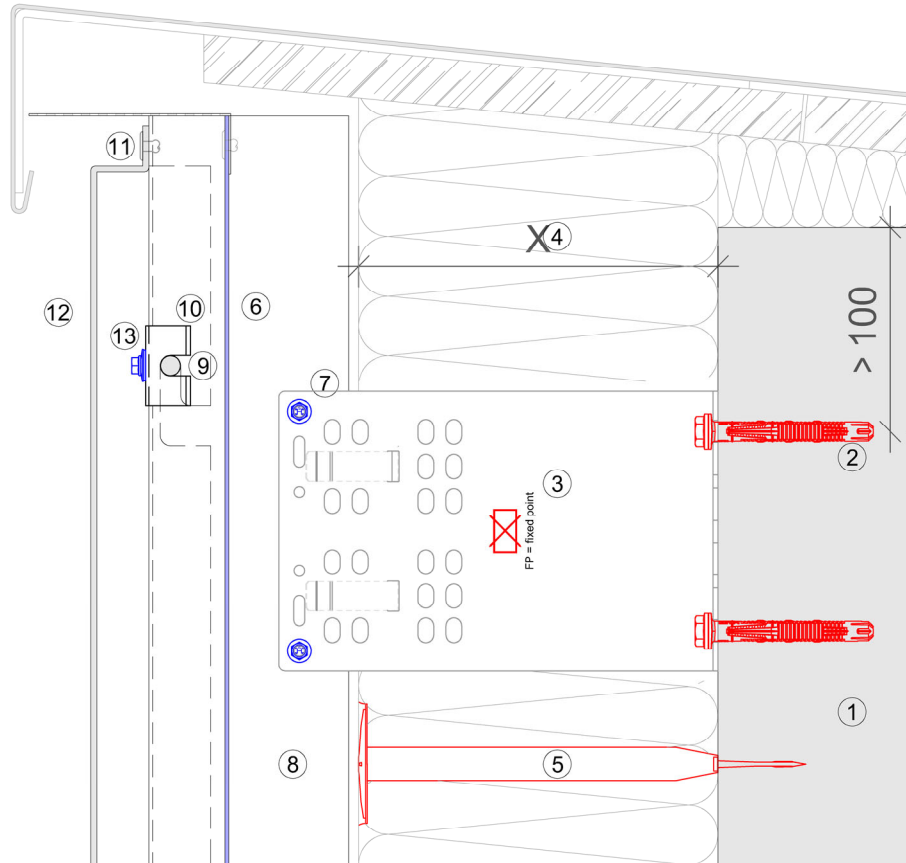
Vertical section - base detail



Legend

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Vertical section - head detail

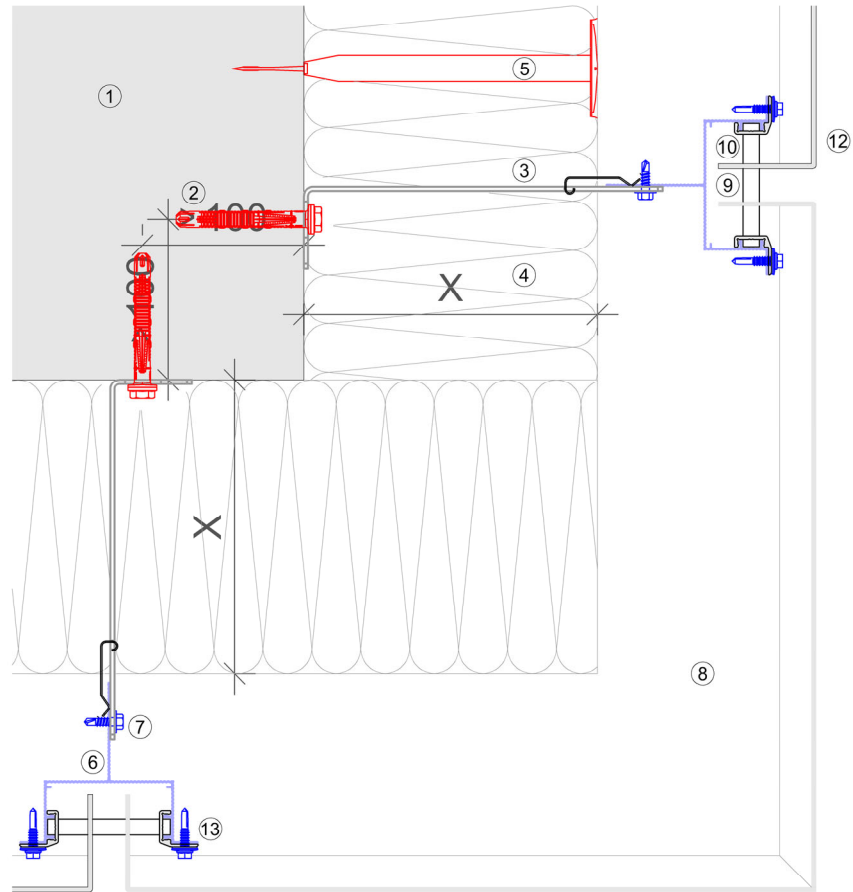


Legend

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Horizontal section - external corner

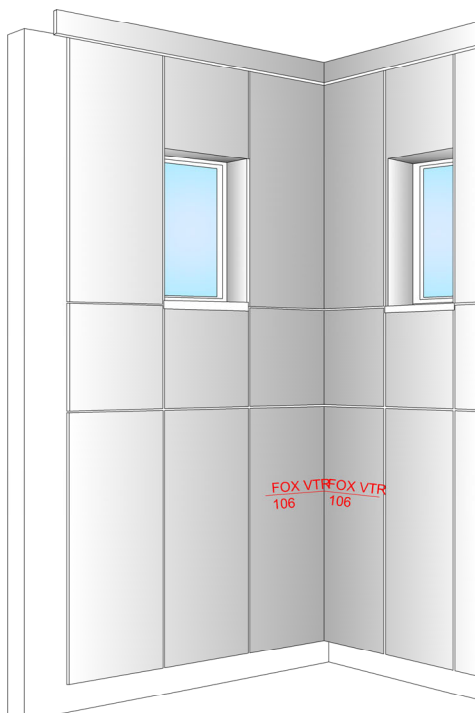
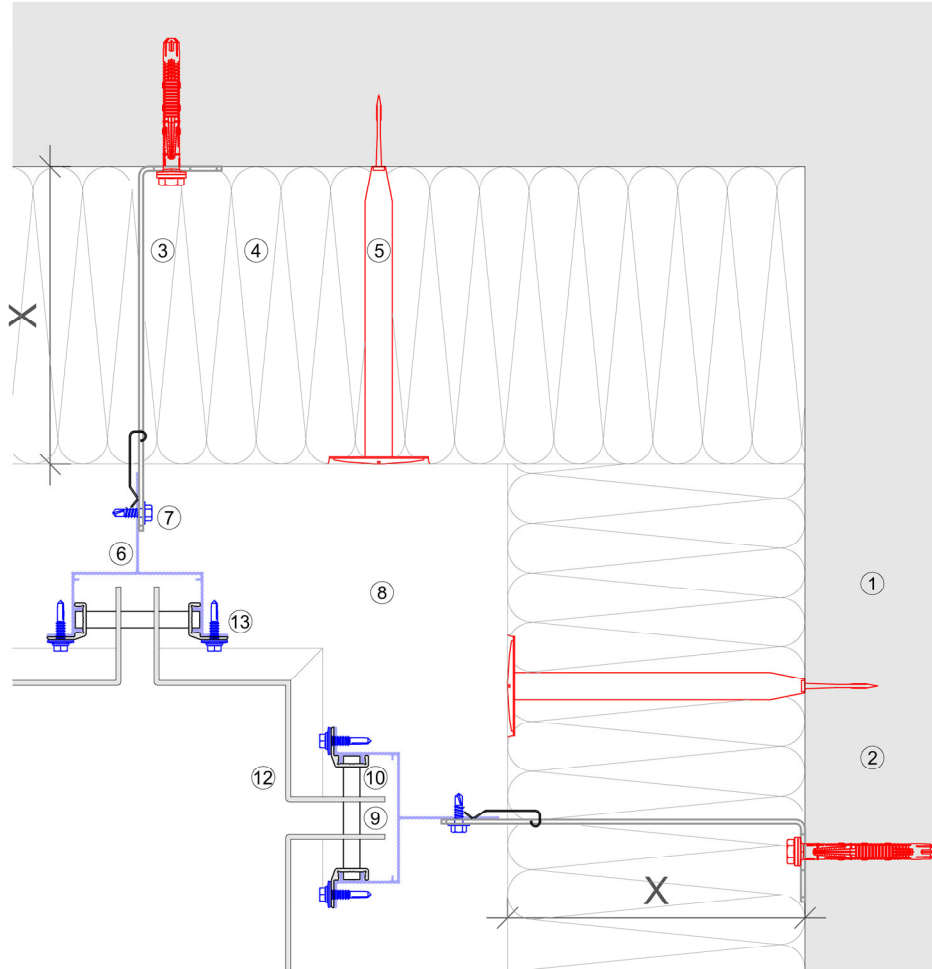


Legend

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Horizontal section - internal corner

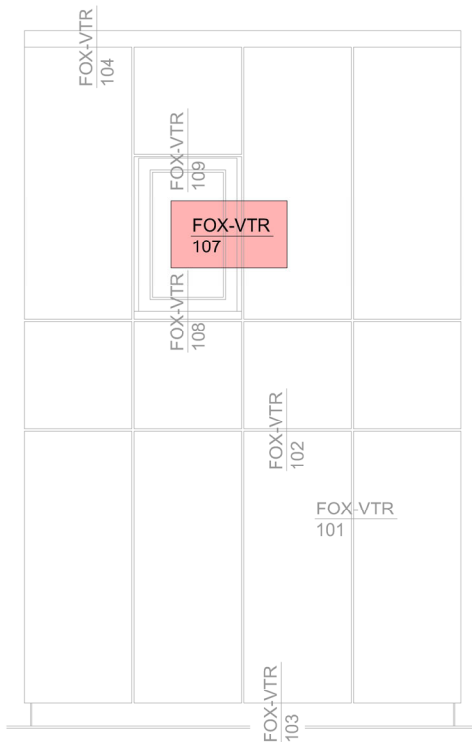
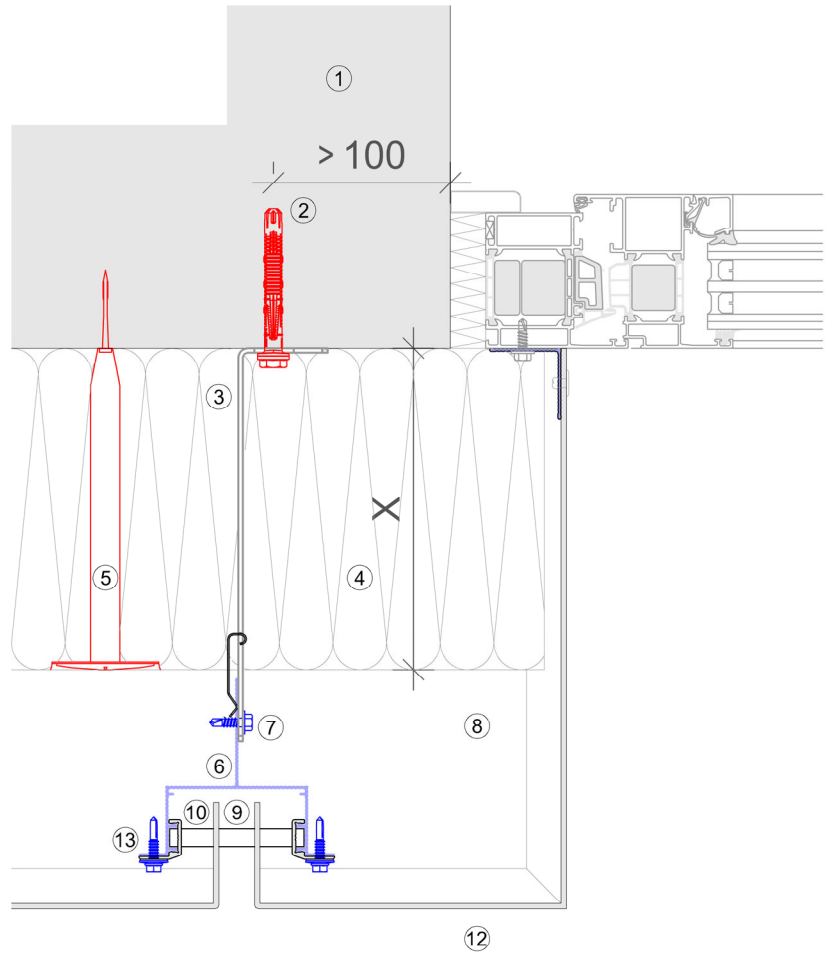


Legend

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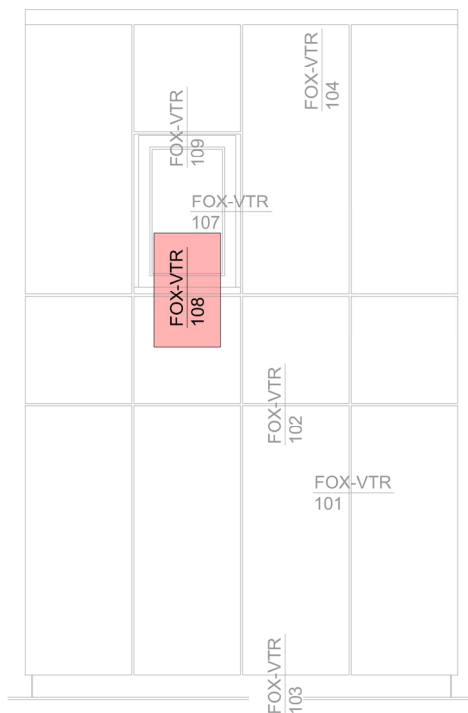
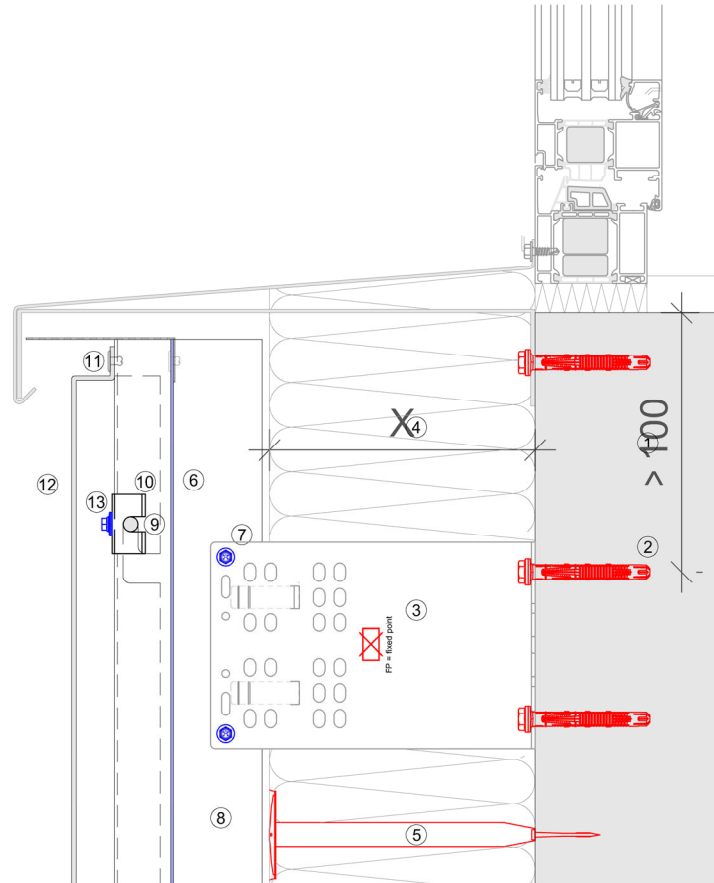
Horizontal section - window - reveal



Legend

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Vertical section - window - sill

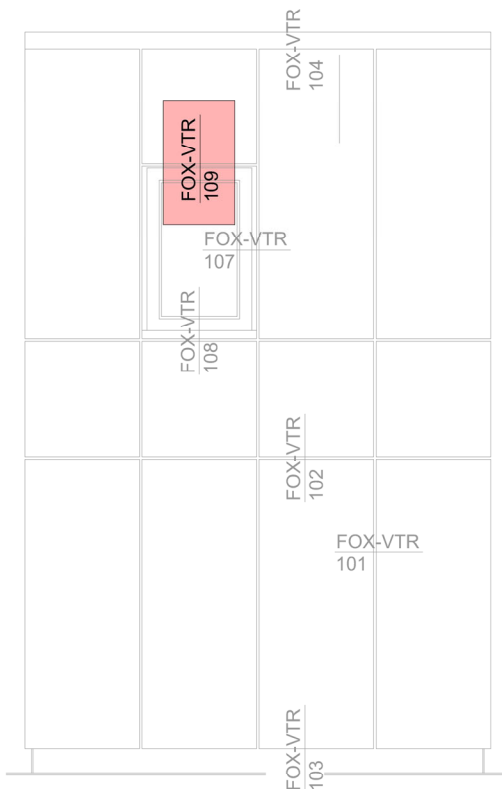
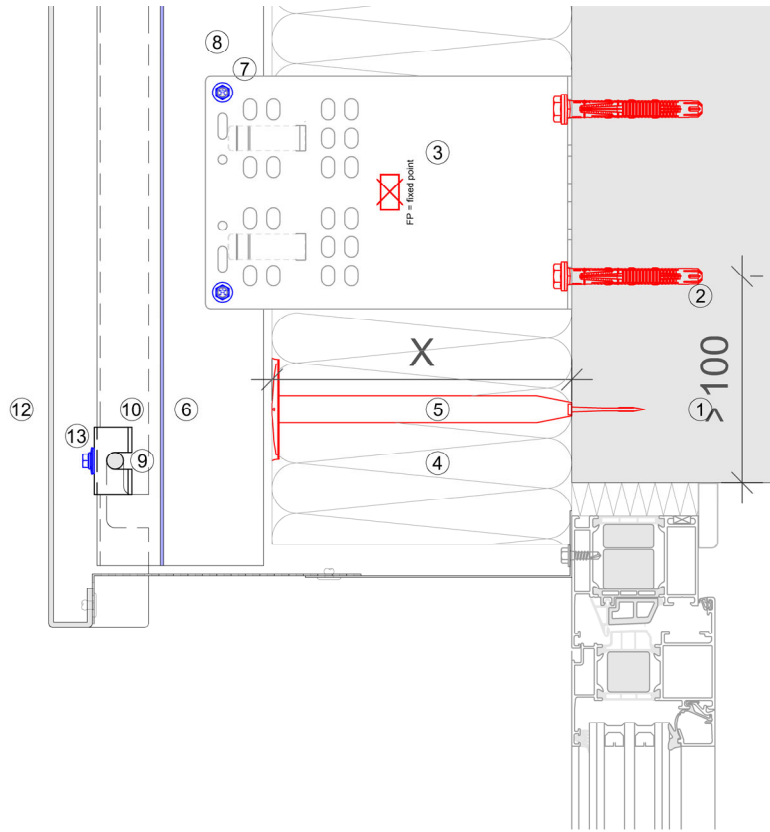


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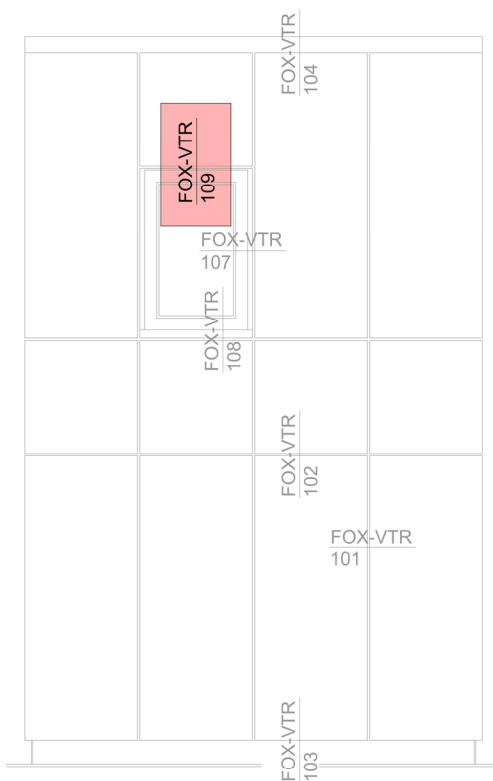
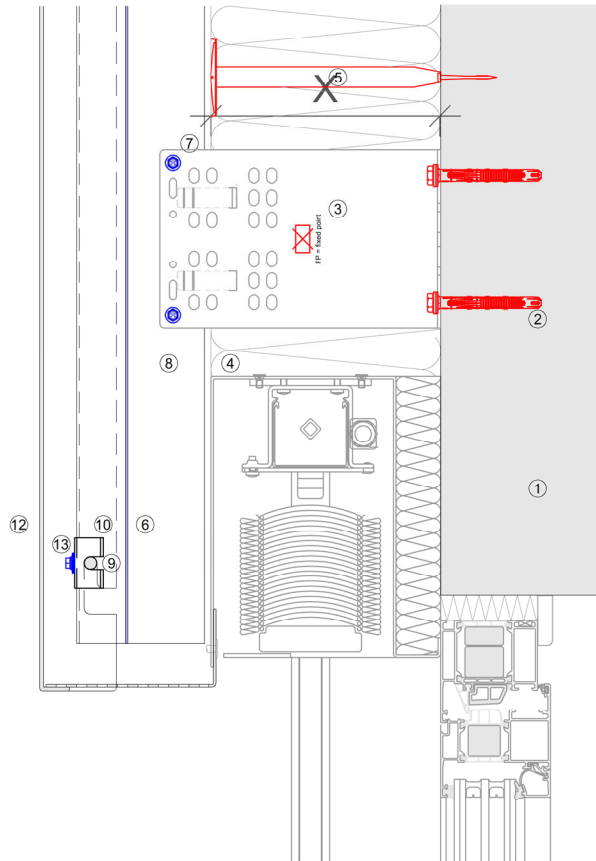
Vertical section - window - lintel



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Vertical section - window - lintel



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