



Facades from Japan

2023

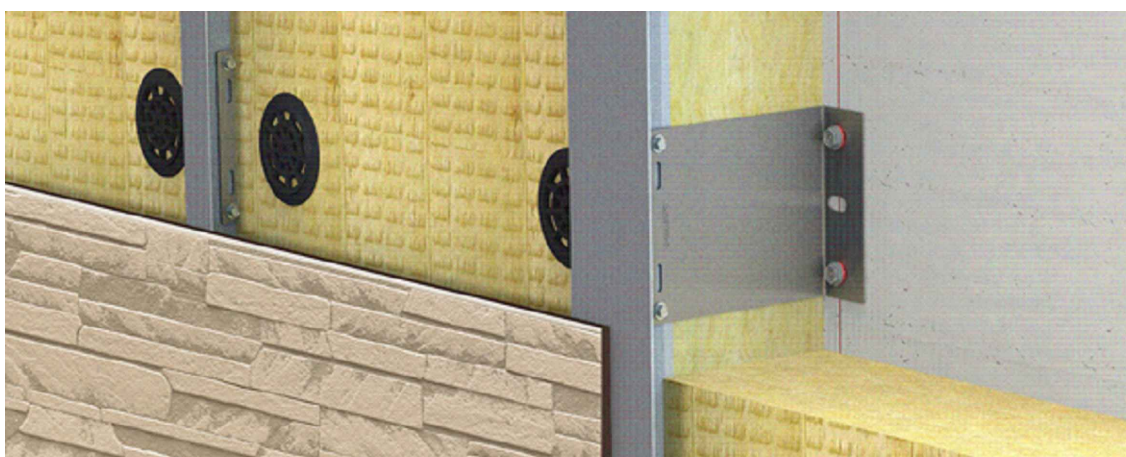
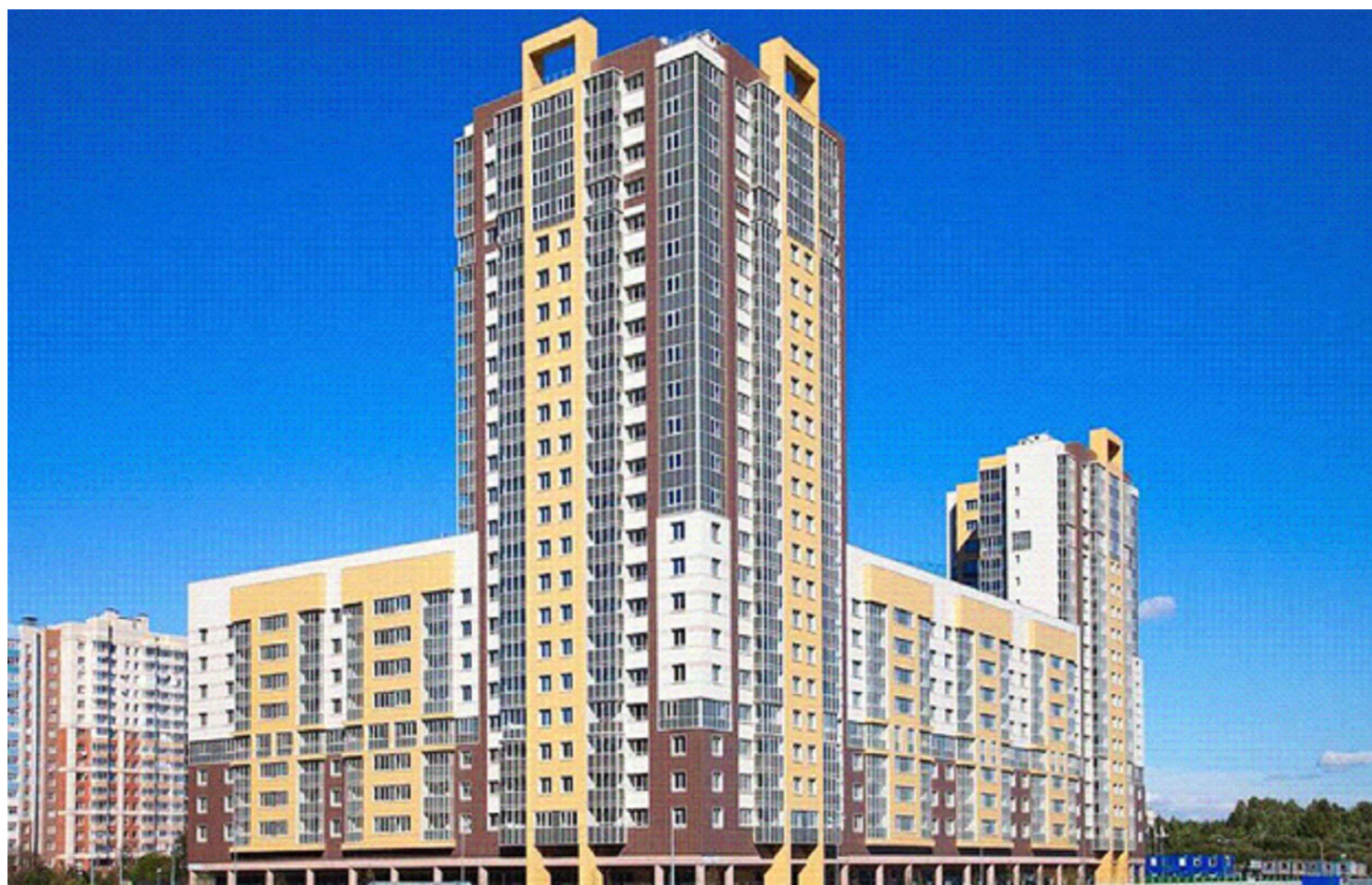
**Vertical aluminum subsystems
in KMEW rain screen facades**



MFT – FOX VTR – KMEW VTR



Fibercement panel KMEW (Japan)



Application and Description



MFT – FOX VTR – KMEW VTR

The MFT – FOX VTR – KMEW VTR bracket is specifically designed for the use in vertical aluminum subsystems in rain screen facades. Wall brackets have an additional isolator pad and fastening holes in the base plate which also allows for usage of every standard Hilti anchor.

Wall brackets are designed with fixed 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.

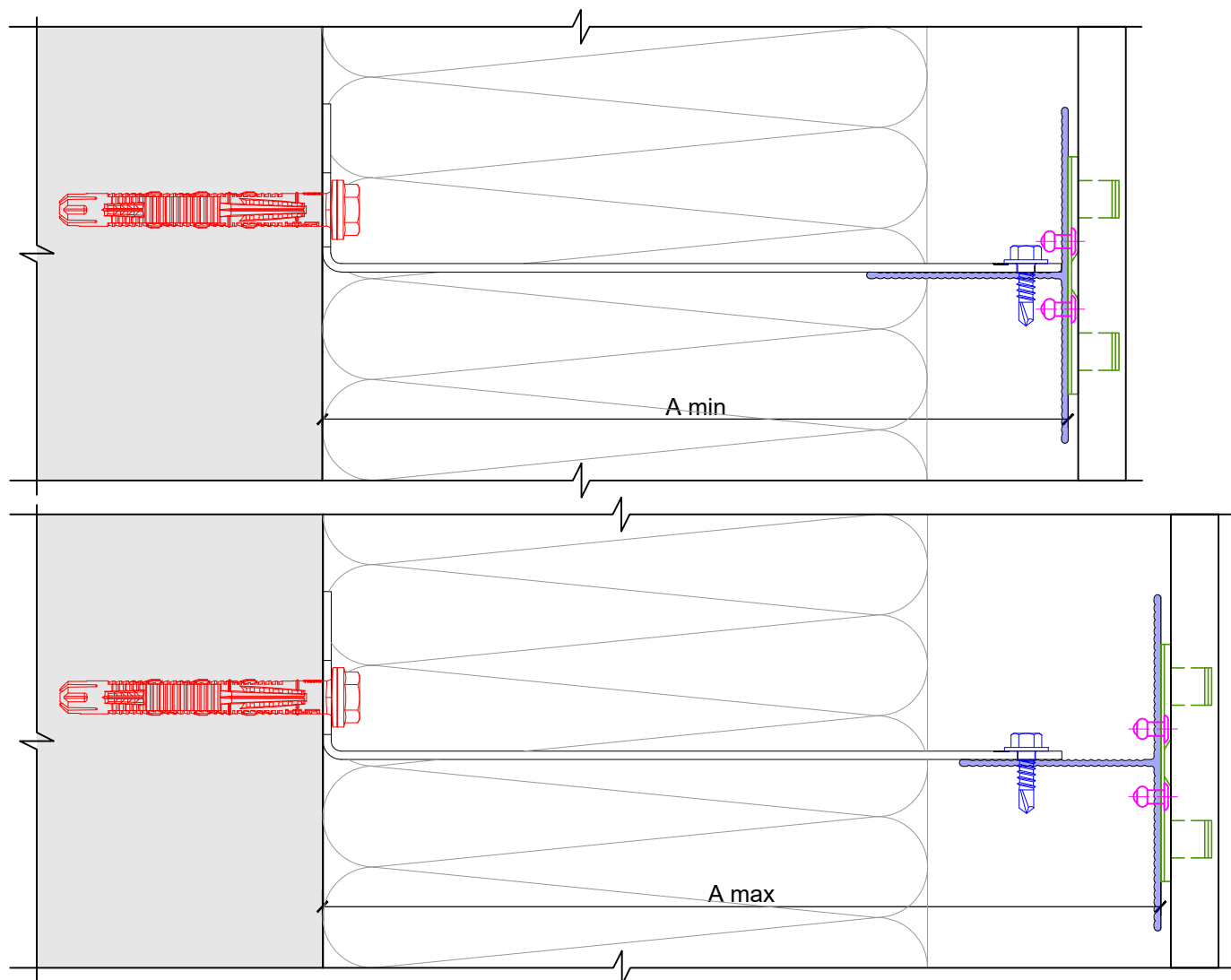
Vertical profiles are connected to the wall brackets with specifically designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there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

The wall brackets are available from 120 mm to 300 mm, 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 120 – 300 mm
- Stainless Steel A4 material
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be mounted with every standard Hilti anchor
- The isolator separates the substructure from the base material to reduce thermal bridging
- Profis software individual calculation guarantees a technically and economically optimal solution
- Can be used with all common cladding materials

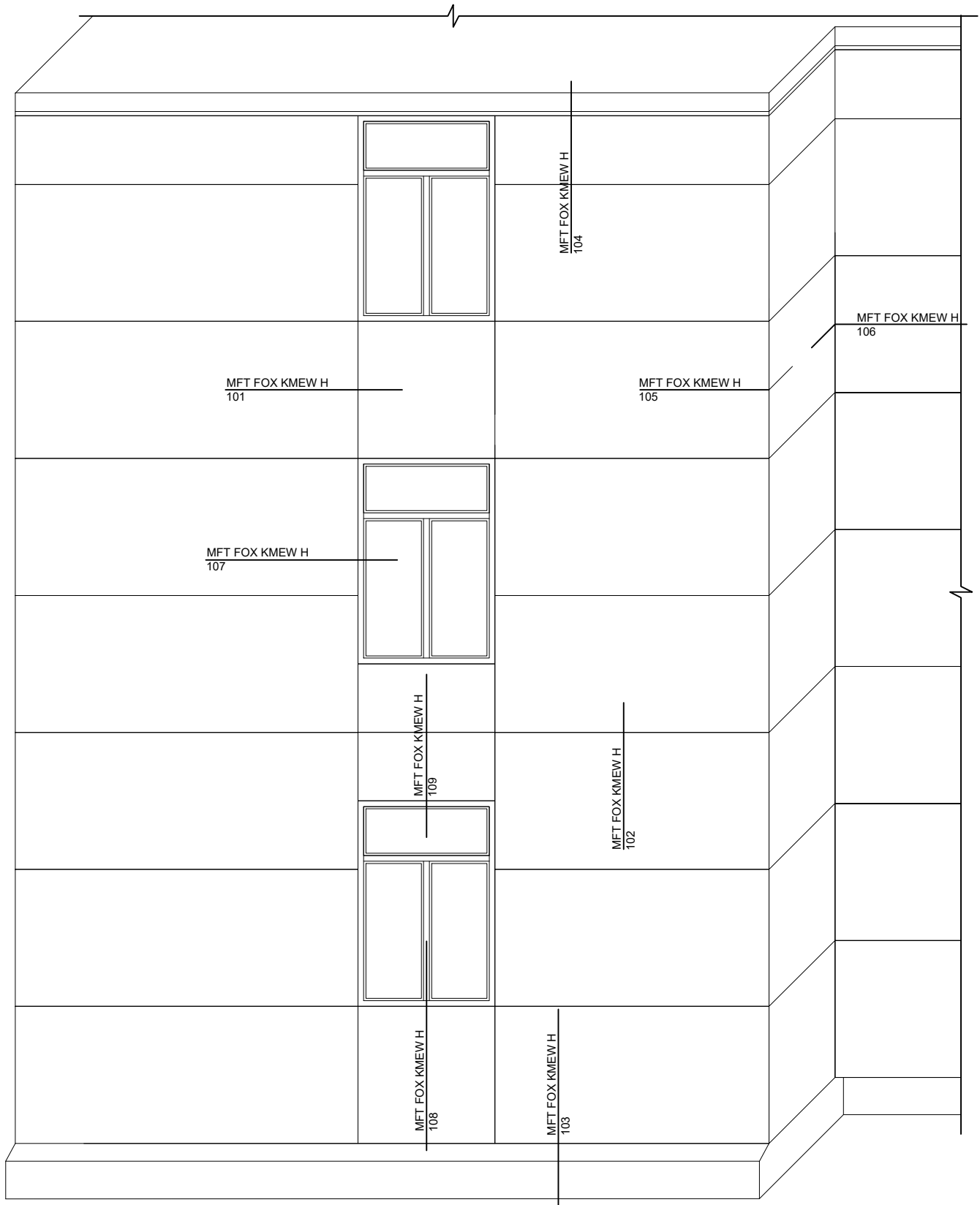
Bracket-profile adjustment



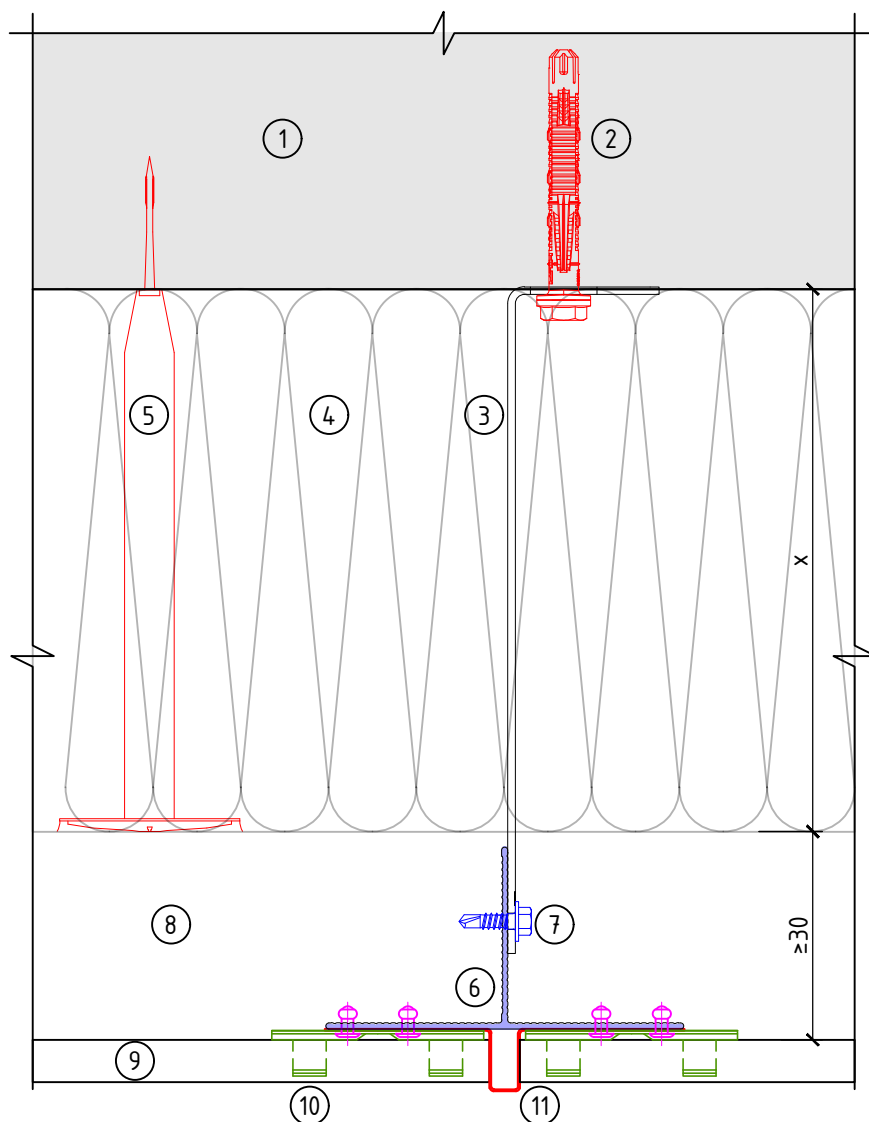
Profiles	MFT-T 60x100x1,8 6m 60x100x2,0 6m 60x120x1,8 6m 60x120x2,0 6m 60x140x2,2 6m		MFT-T 40x120x2,0 6m		MFT-L 60x40x1,8 6m 60x40x2,0 6m		MFT-L 40x40x1,8 6m		
	Brackets	A min*	A max*	A min*	A max*	A min*	A max*	A min*	A max*
	MFT-FOX VTR 120 M/L 11	121,80	149,45	121,80	129,45	121,80	149,45	121,80	129,45
	MFT-FOX VTR 140 M/L 11	141,80	169,45	141,80	149,45	141,80	169,45	141,80	149,45
	MFT-FOX VTR 160 M/L 11	161,80	189,45	161,80	169,45	161,80	189,45	161,80	169,45
MFT-FOX VTR 180 M/L 11	181,80	209,45	181,80	189,45	181,80	209,45	181,80	189,45	
MFT-FOX VTR 200 M/L 11	201,80	229,45	201,80	209,45	201,80	229,45	201,80	209,45	
MFT-FOX VTR 220 M/L 11	221,80	249,45	221,80	229,45	221,80	249,45	221,80	229,45	
MFT-FOX VTR 240 M/L 11	241,80	269,45	241,80	249,45	241,80	269,45	241,80	249,45	
MFT-FOX VTR 260 M/L 11	261,80	289,45	261,80	269,45	261,80	289,45	261,80	269,45	
MFT-FOX VTR 280 M/L 11	281,80	309,45	281,80	289,45	281,80	309,45	281,80	289,45	
MFT-FOX VTR 300 M/L 11	301,80	329,45	301,80	309,45	301,80	329,45	301,80	309,45	

* The distance shown is valid for profile of 1,8 mm.

View of cladding

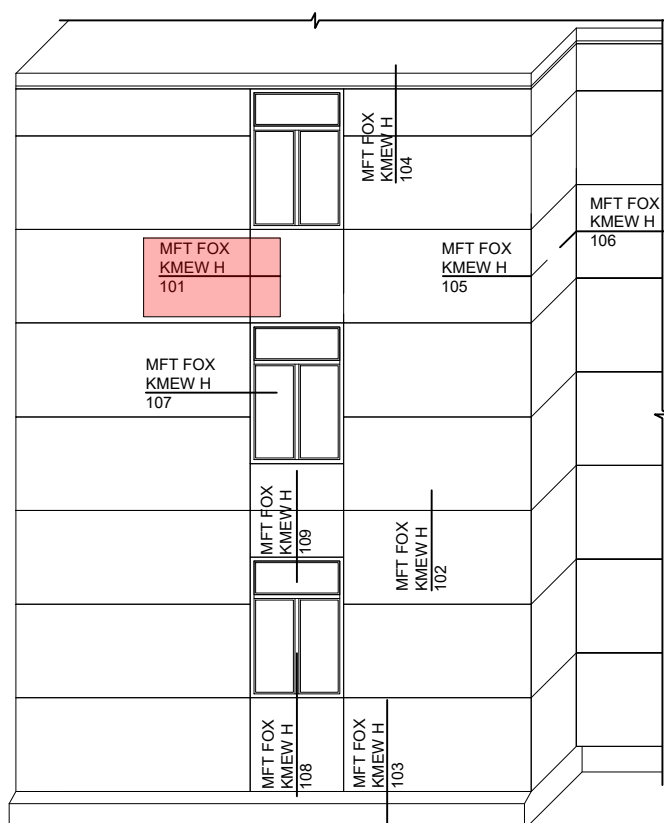


MFT FOX VTR 101

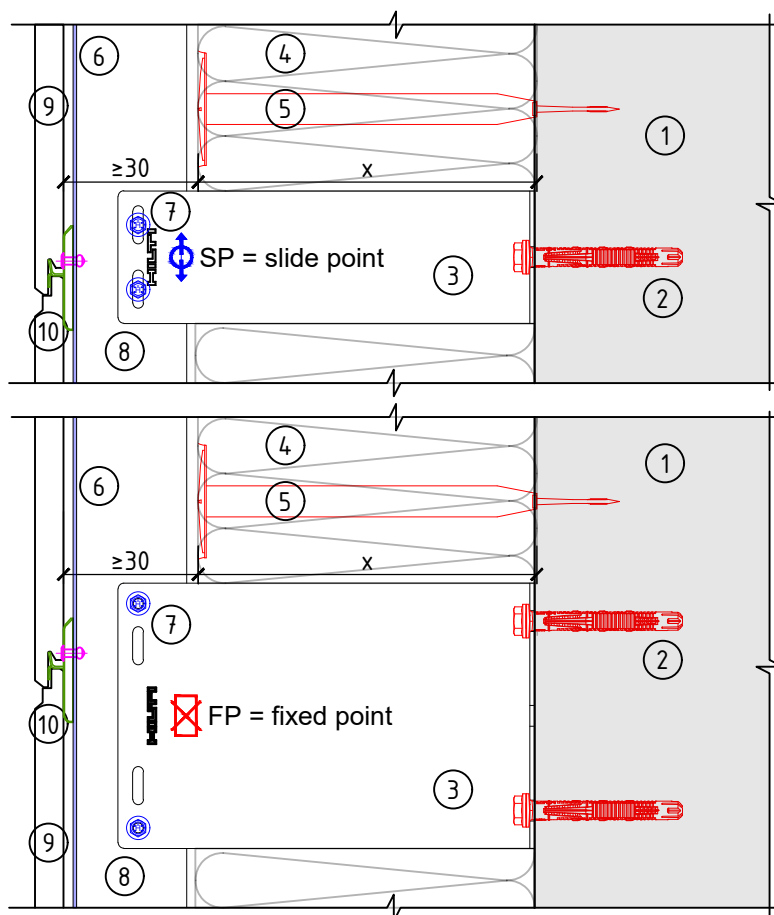


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. T-Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. KMEW joint bar

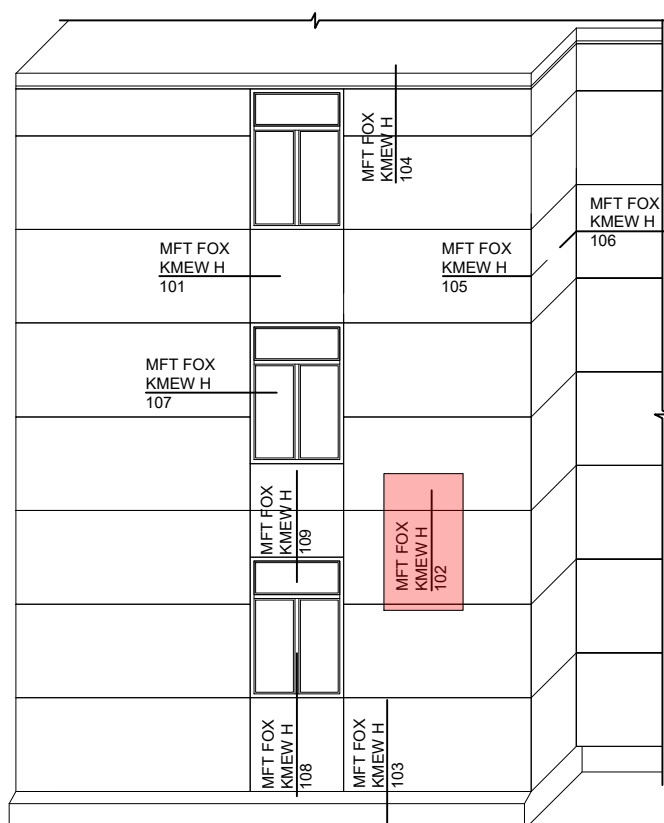


MFT FOX VTR 102

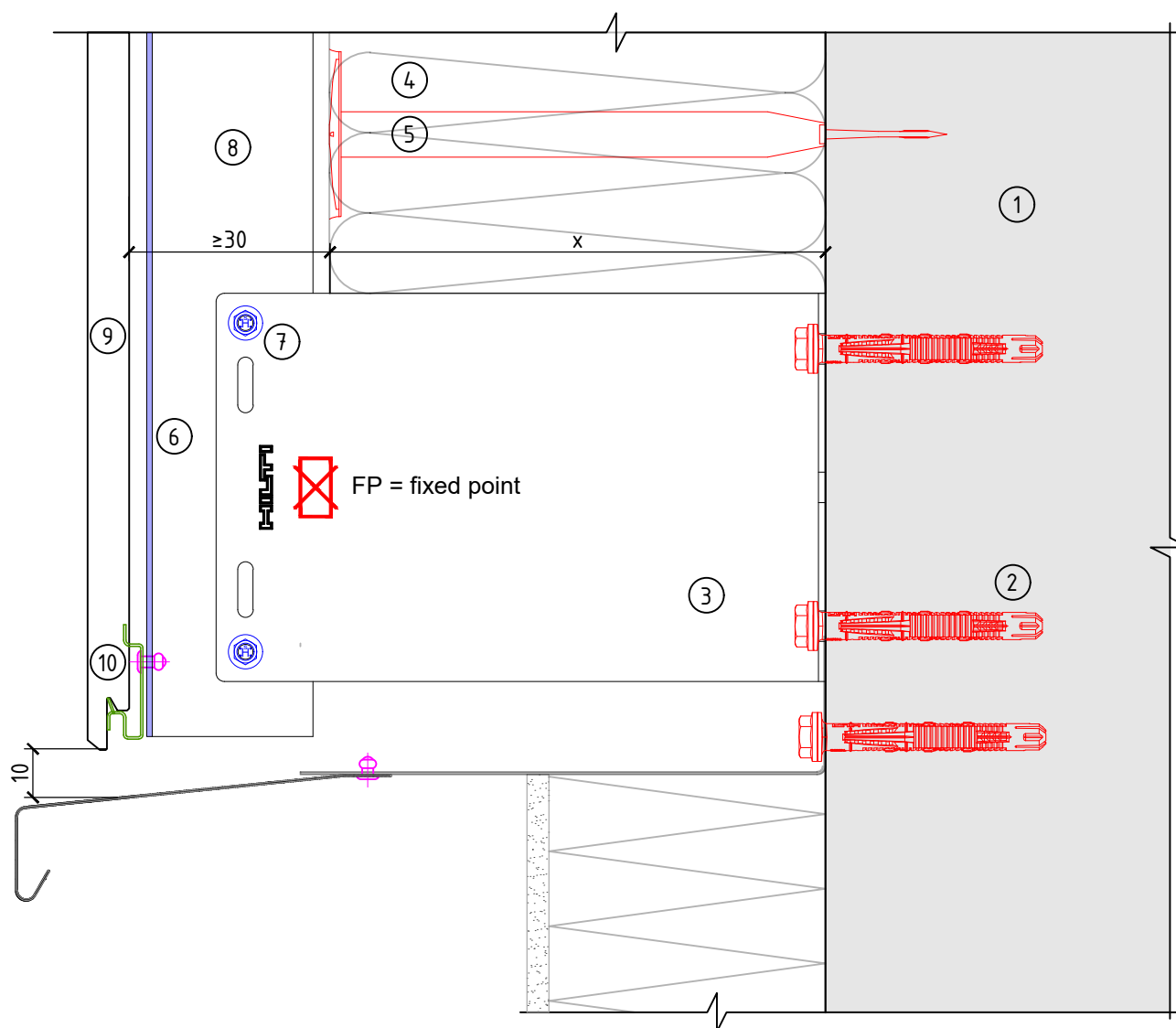


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper

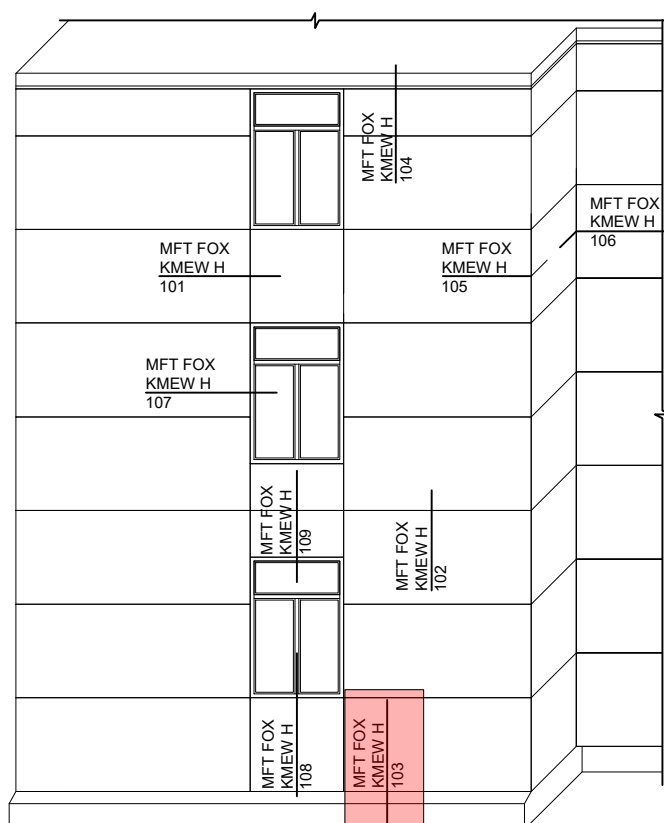


MFT FOX VTR 103

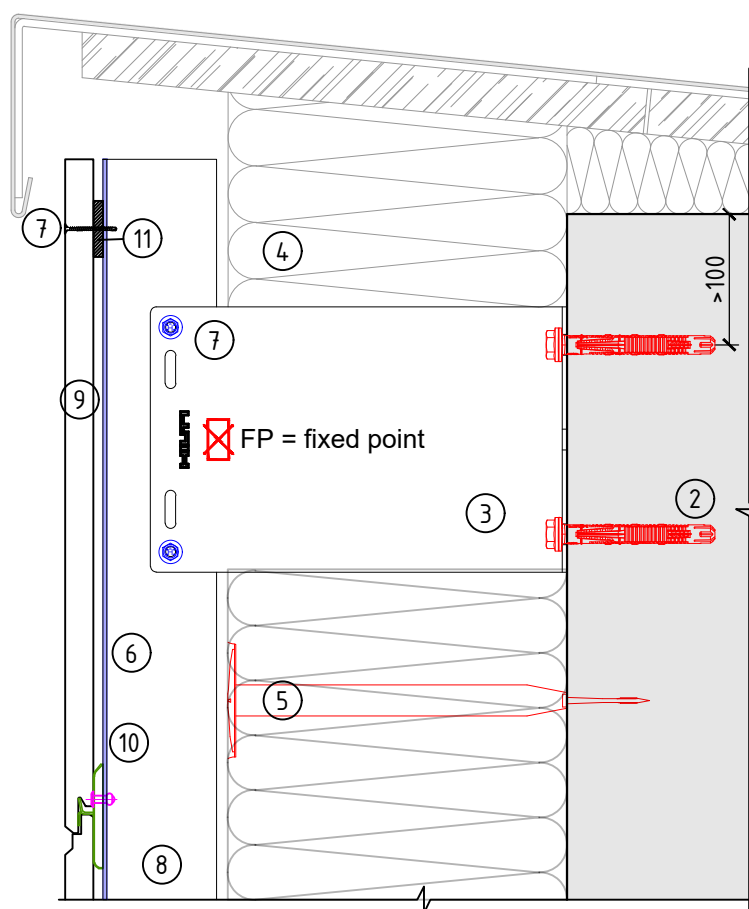


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW starter bar

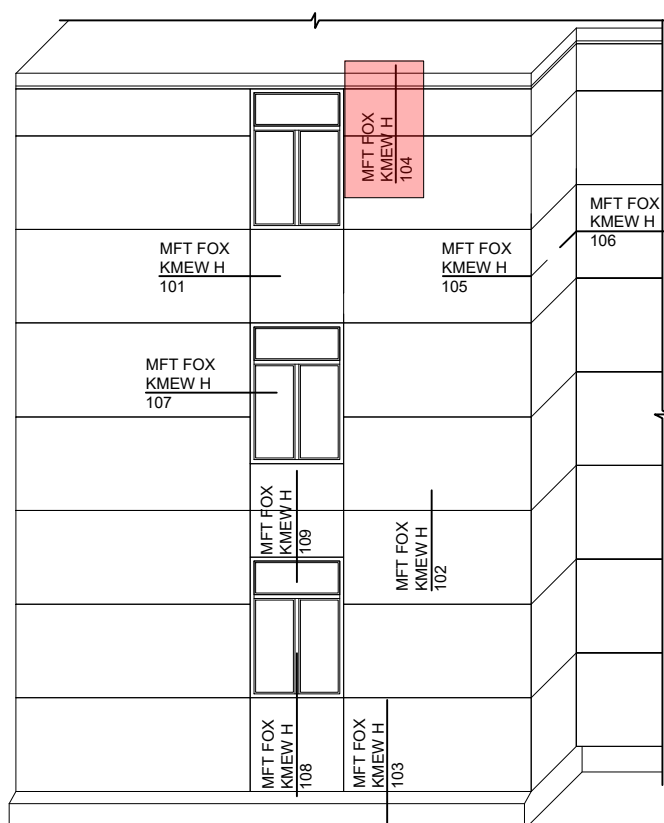


MFT FOX VTR 104

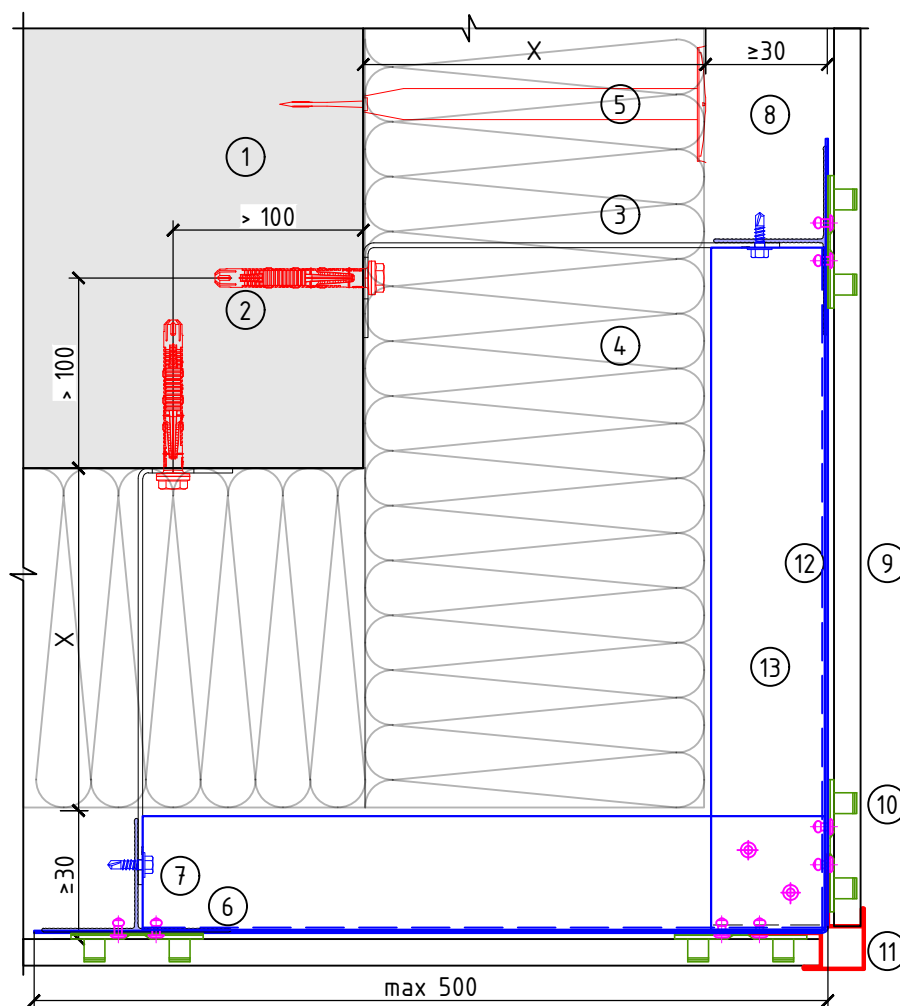


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. Spacer - 5 mm

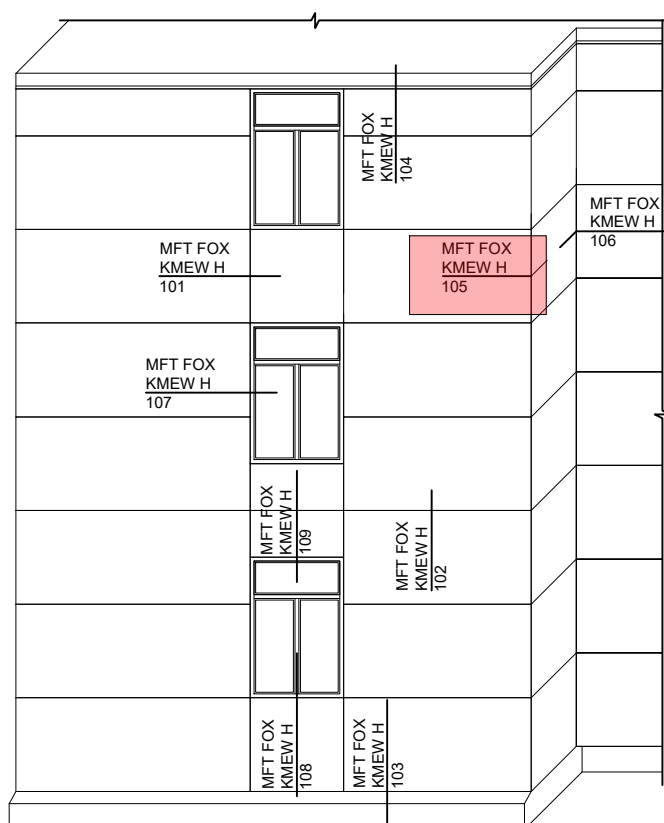


MFT FOX VTR 105

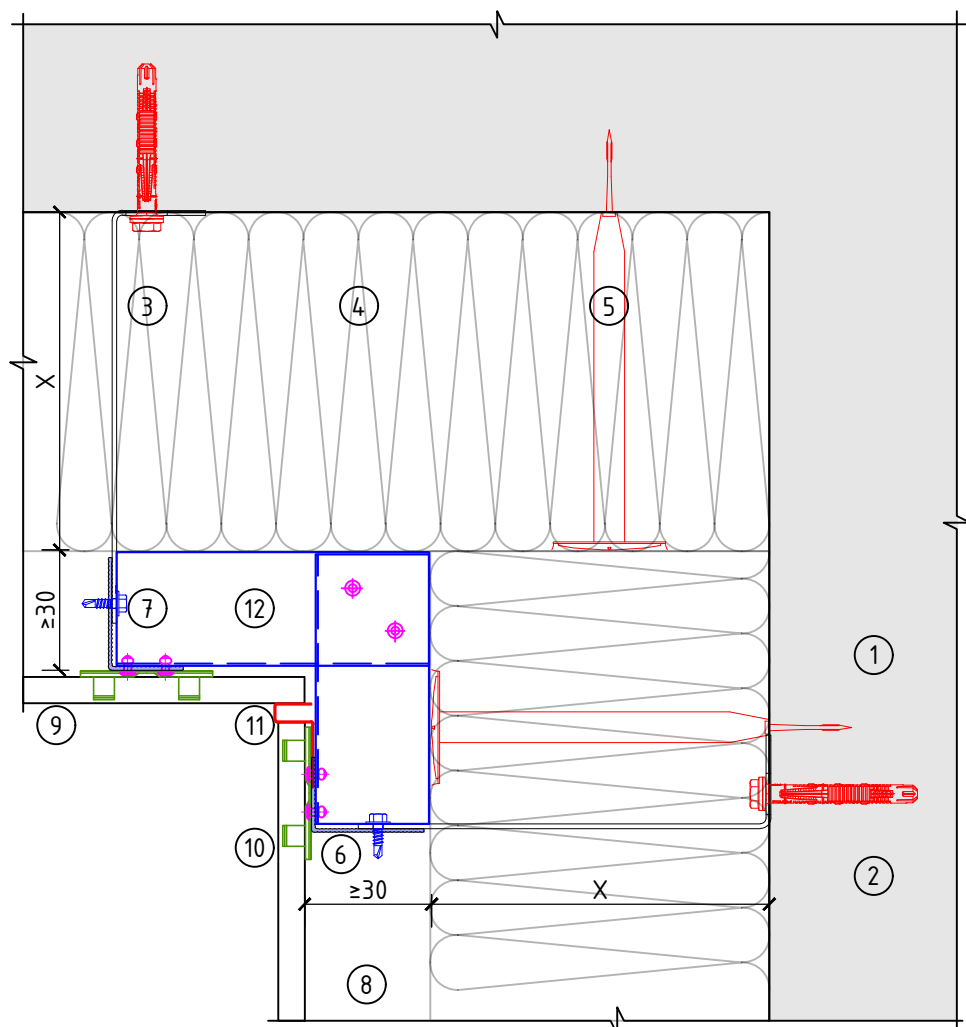


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. Corner profile
12. KMEW corner shelf
13. Reinforcement profile

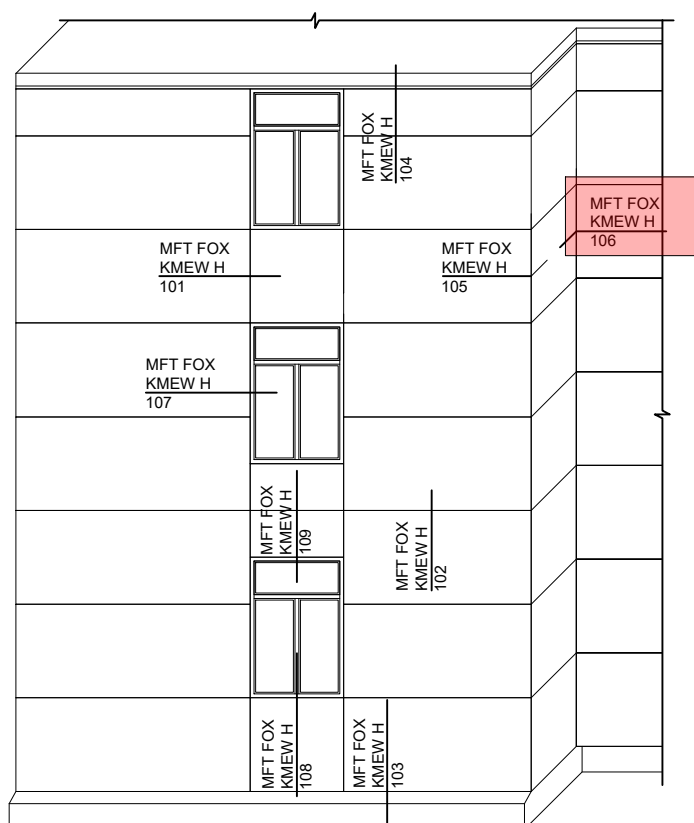


MFT FOX VTR 106

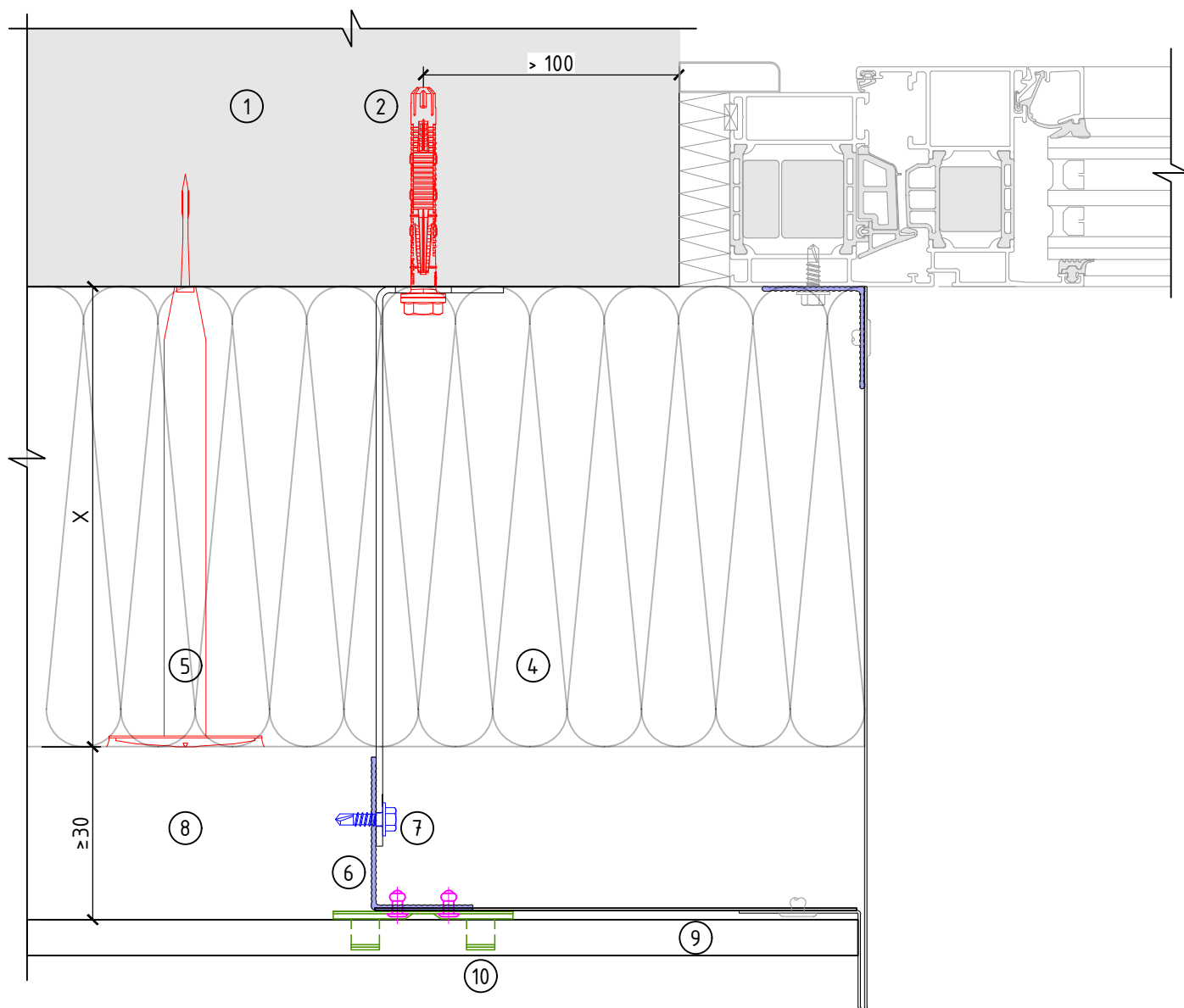


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. KMEW one-side joint bar
12. Reinforcement profile

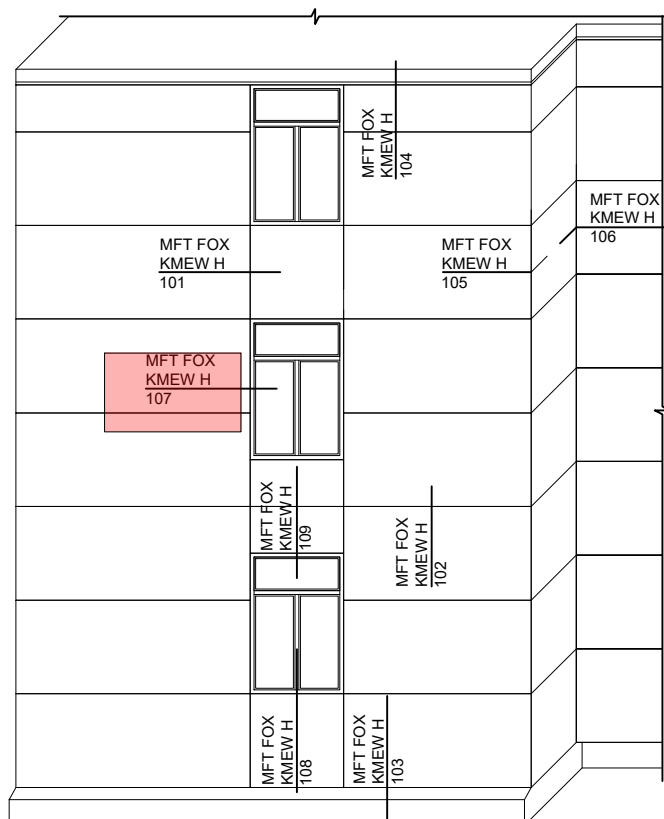


MFT FOX VTR 107

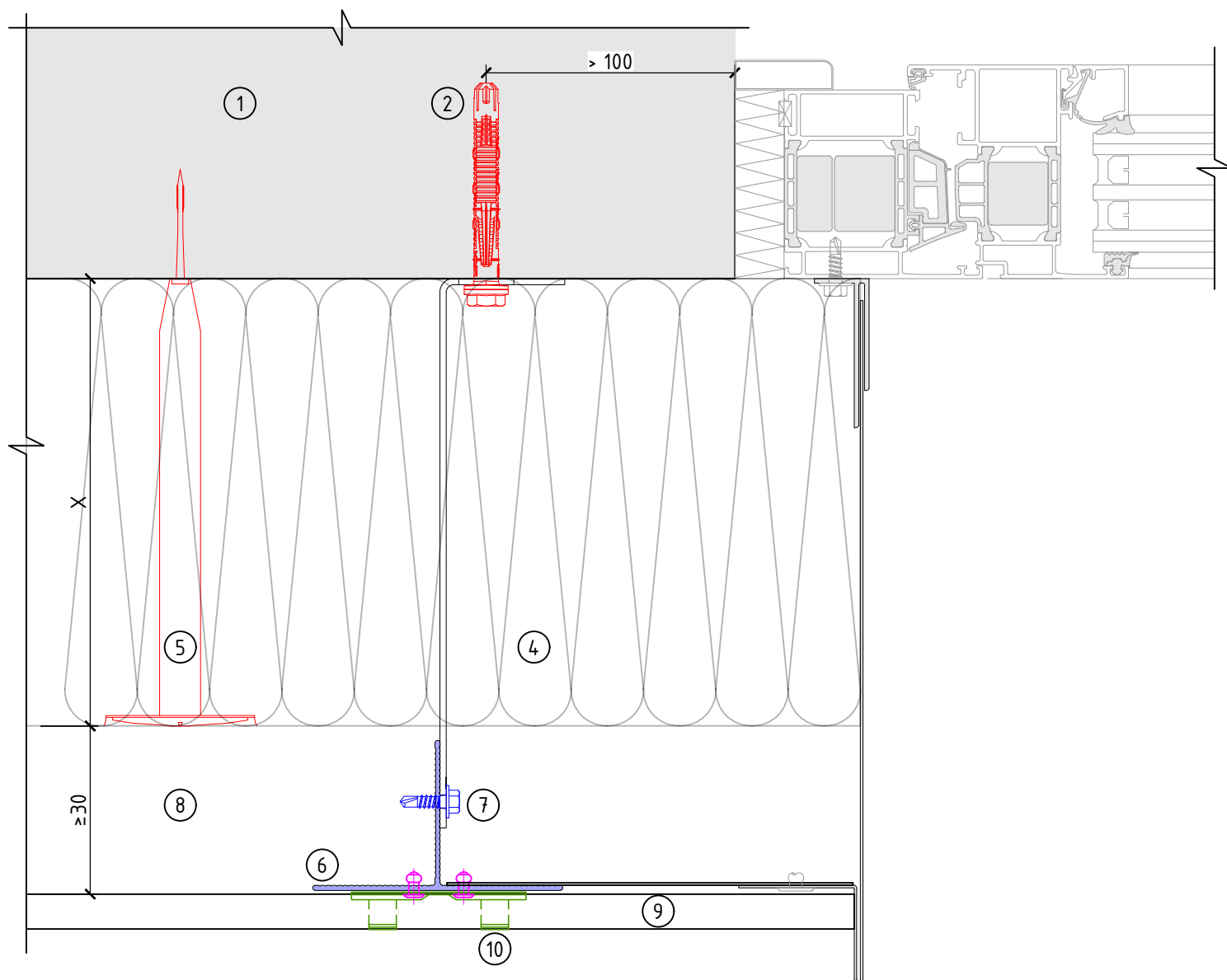


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper

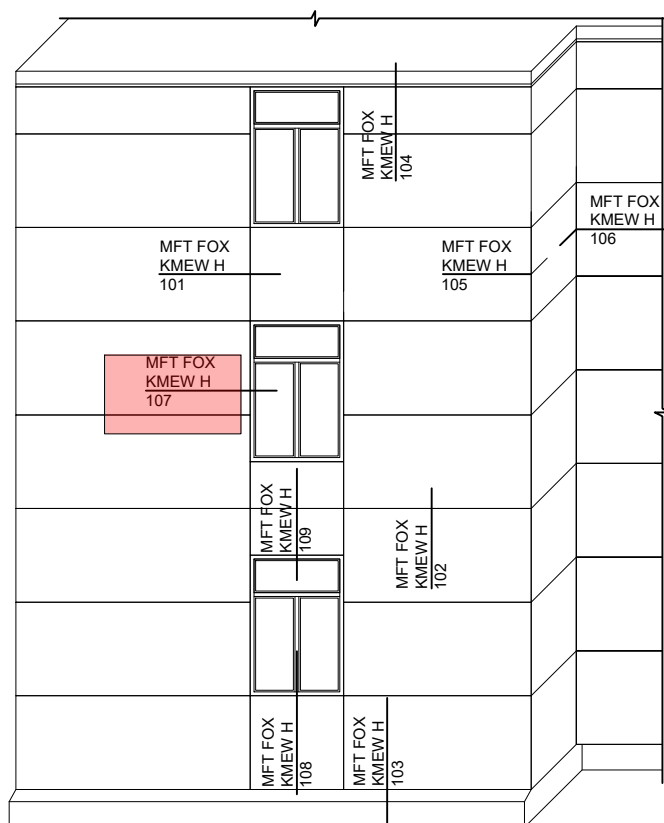


MFT FOX VTR 107

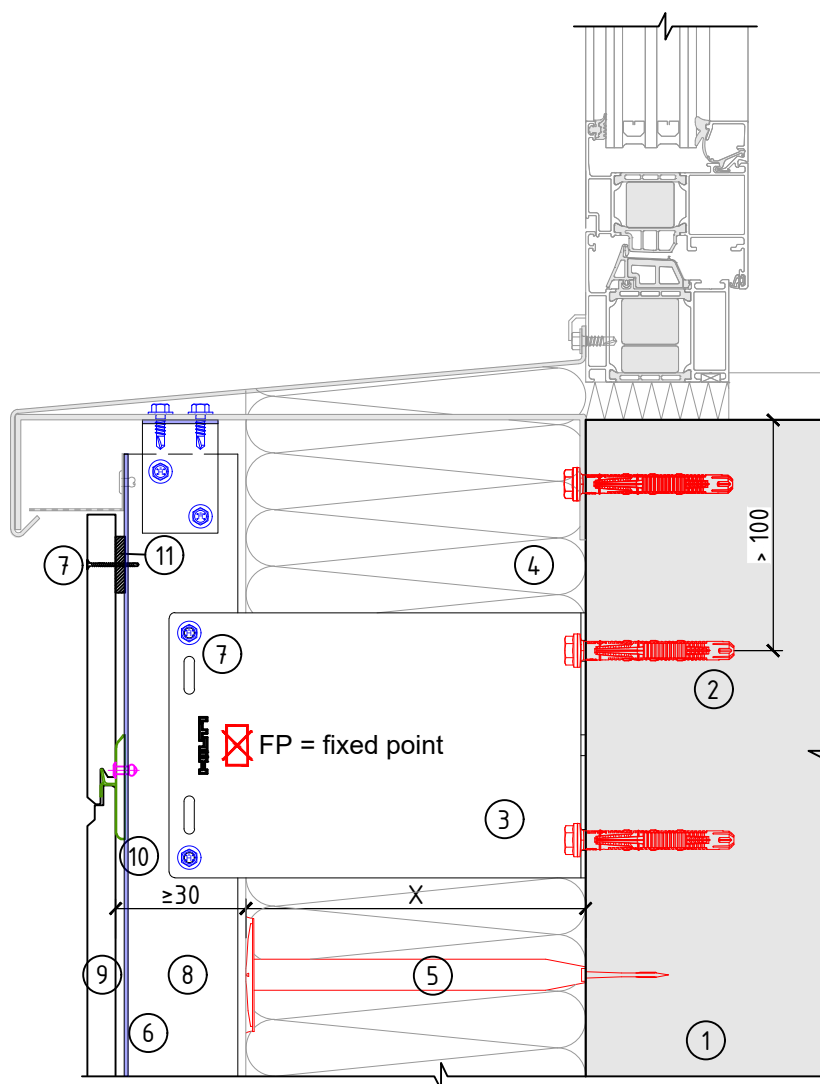


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper

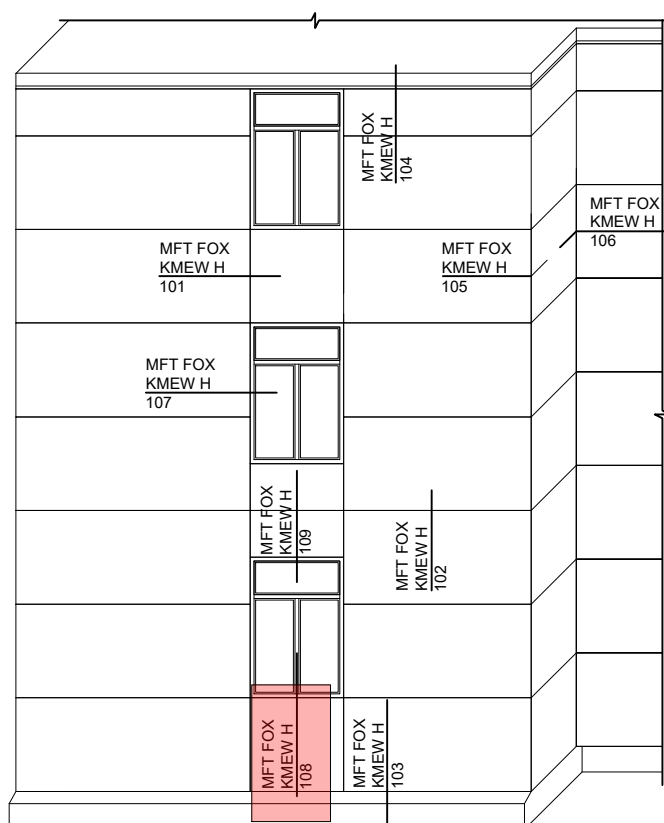


MFT FOX VTR 108

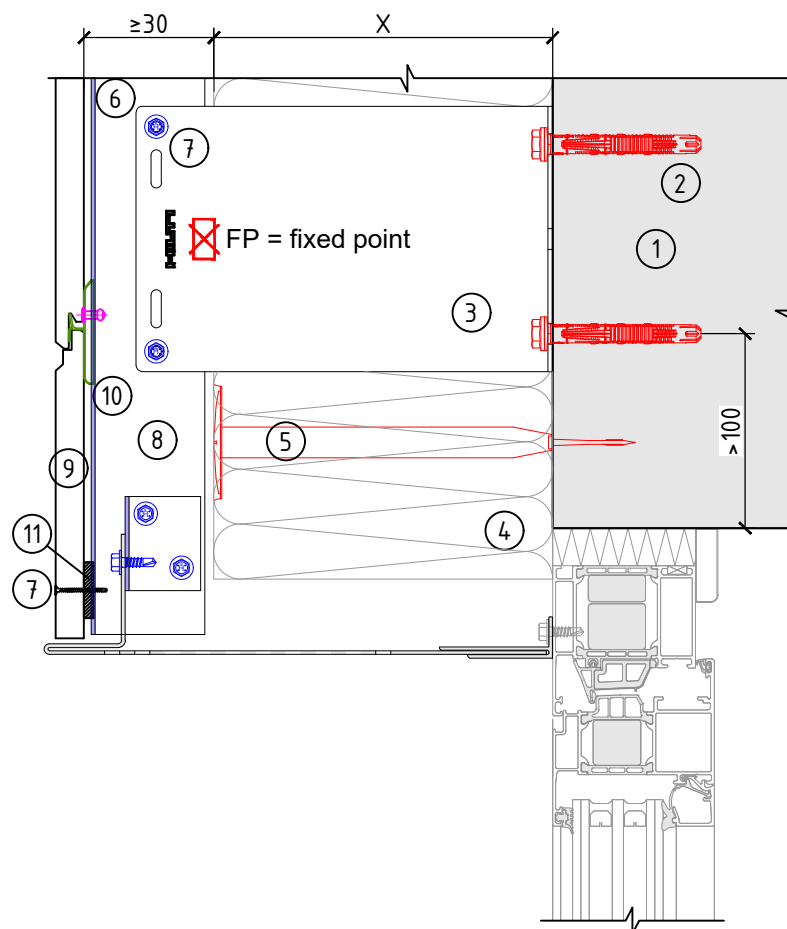


Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. Spacer - 5 mm

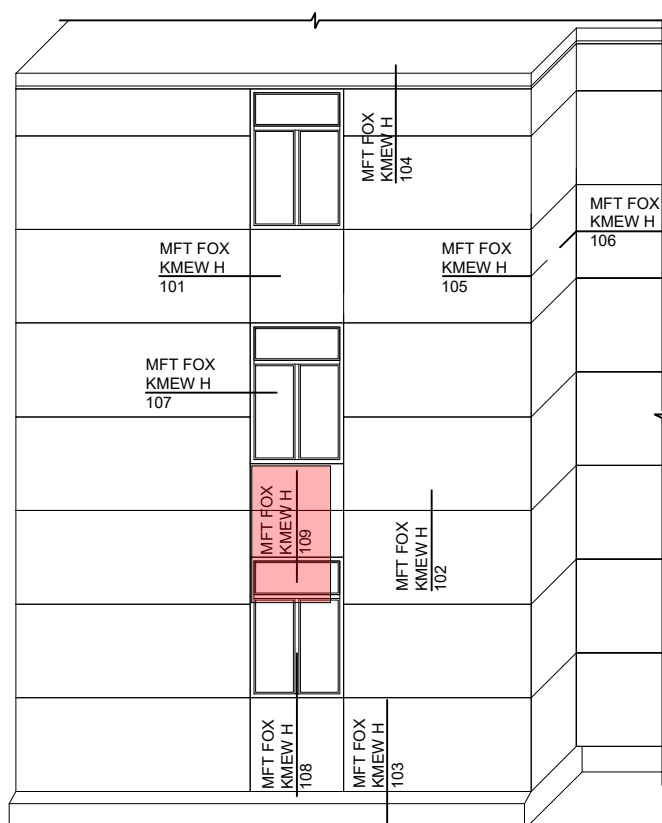


MFT FOX VTR 109



Legend

1. Base material
2. Anchor acc. to static
3. Bracket
4. Insulation
5. Insulation fastener
6. Profile
7. Self-drilling screw
8. Ventilation gap
9. KMEW panel
10. KMEW stopper
11. Spacer - 5 mm





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