



MALMERK KLAASIUM

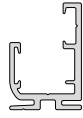
Balcony Railings

PRODUCT CATALOGUE



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Malmerk Klaasium offers wide variety of balcony railings. We design and produce the solution-oriented railings according to customer needs. Our up-to date processes, experts and long experience guarantees a well-functioning custom, secure and long-lasting solutions.

Our mission

Transforming outdoor areas into practical, safe, useful and valuable extra spaces.

Our vision

To be the preferred partner offering glass aluminium balcony and terrace products in the Nordic-Baltic countries.

Our values

Reliable
Forward-thriving
Solution-oriented
Honest & caring



General information

Malmerk Klaasium has designed a railing system in a way that it is possible to mix and match different profiles to create various looks. Our balcony glazing system has been taken into consideration when designing the railing system and therefore the railing system fits perfectly for our balcony glazing system.

Customizable design

Railings are tailor made and customized based on customer needs - measures, colours, materials and configurations.

Quality materials and controlled processes

Aluminum profiles and specific components are designed in-house and supplied by quality suppliers.

In-house engineering and production.

Railing modules are premade and delivered ready assembled, ready for installation on site.

Common design line

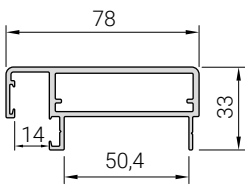
Safety glass or other fillings (e.g. high pressure laminate or fibre cement sheets) can be used as a filler. All plastic components and gaskets are black (RAL9005).

Profile information

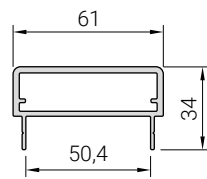
Handrails

All our handrail profiles can be combined depending on the desired railing solutions. Profile names are in red, profile codes are in blue.

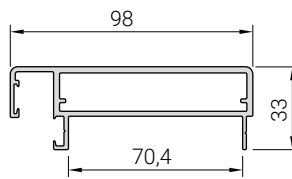
PR20-02 **KP2-50**



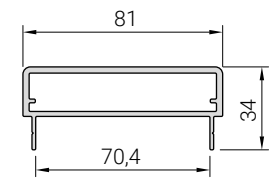
PR20-01 **KP1-50**



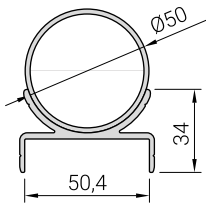
PR20-04 **KP2-70**



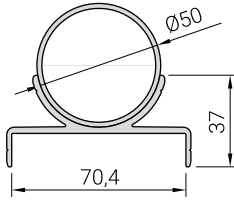
PR20-03 **KP1-70**



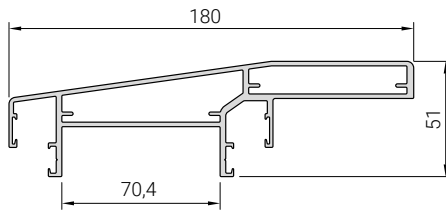
PR20-24 **KP5-50**



PR20-22 **KP5-70**



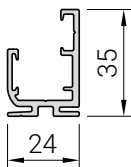
PR20-05 **KP3-70**



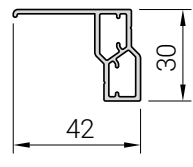
Handrail **KP3-70** can be used for enhanced wind resistant properties and for inward mounted balcony glazing system.

Filling profiles

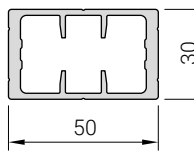
PR20-10



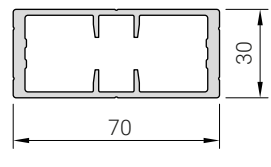
PR20-11



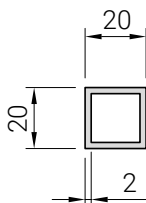
PR20-06



PR20-07



PR20-14

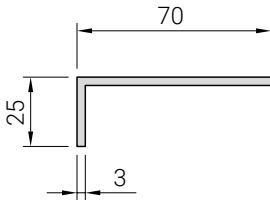


SURFACE TREATMENT
Powder coated

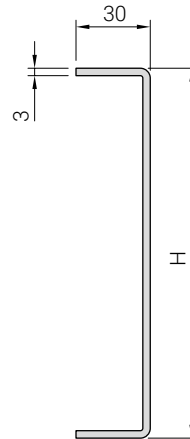
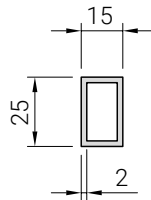
COLOUR CHART
RAL

Extras

PR20-16



PR40-69

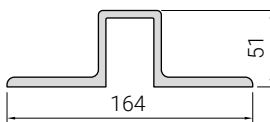


C-profile covering the face of the balcony slab.

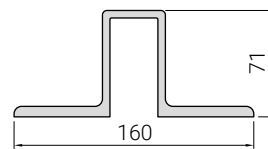
Fixing options

Front fixing aluminium brackets

For 50 mm pillar
SK20-0029

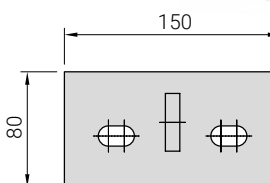


For 70 mm pillar
SK20-0030

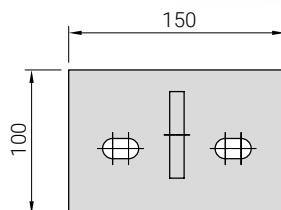


Top fixing steel brackets

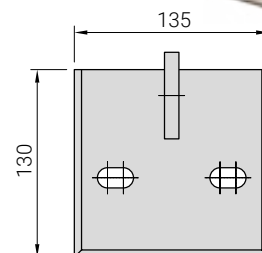
For 50 mm pillar
SK20-0031



For 70 mm pillar
SK20-0032



For 70 mm pillar
SK20-0041



A top fixing bracket **STF** allows to install glass in front of the balcony slab.

MK Standard FF



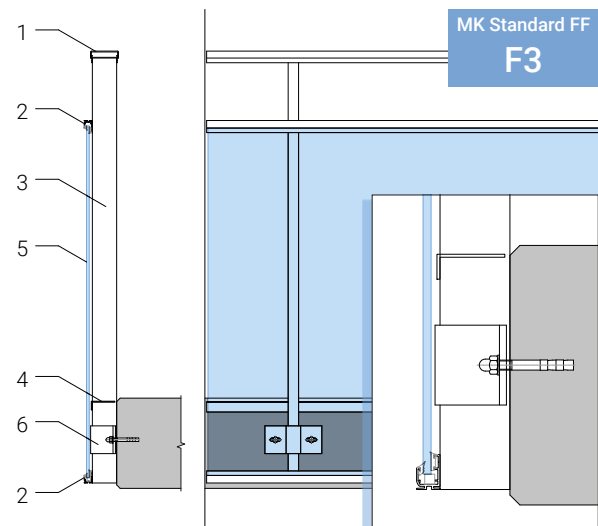
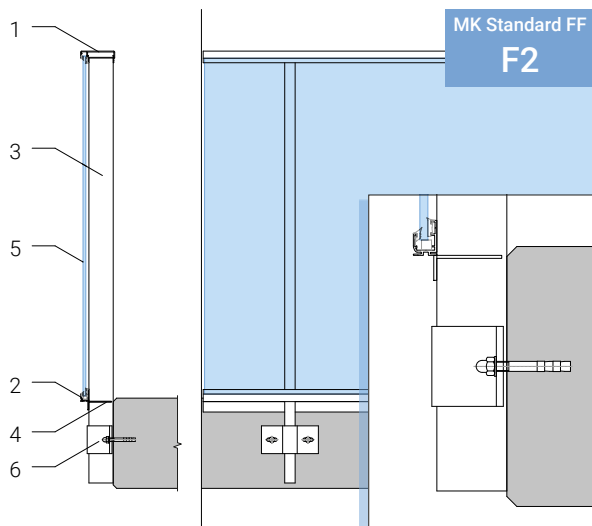
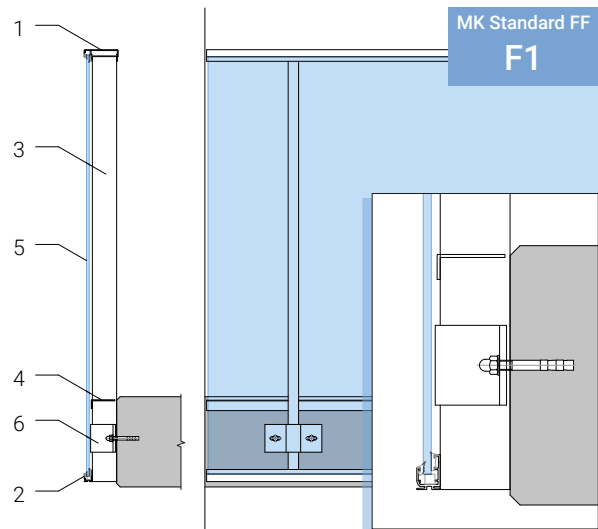
Glass-aluminium railing: front fixed

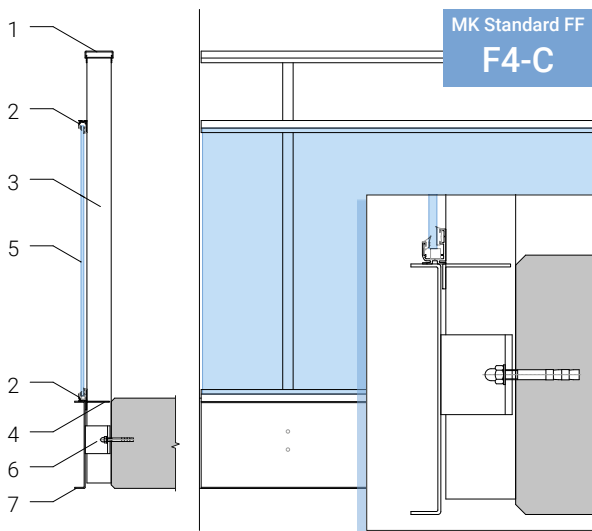
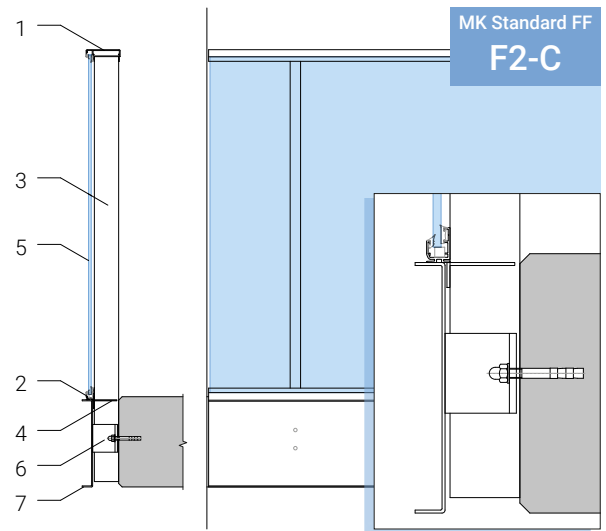
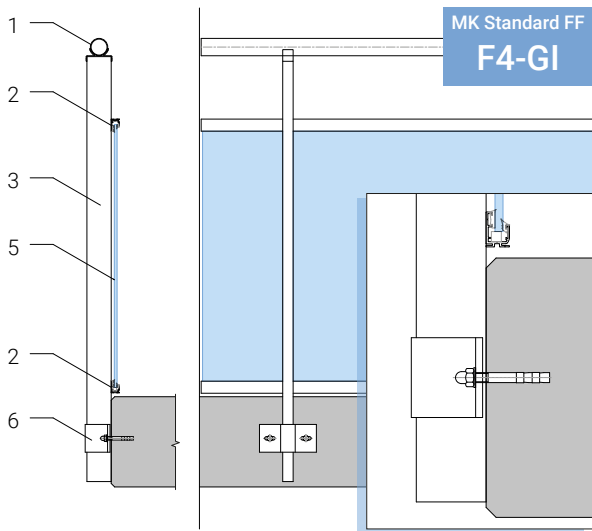
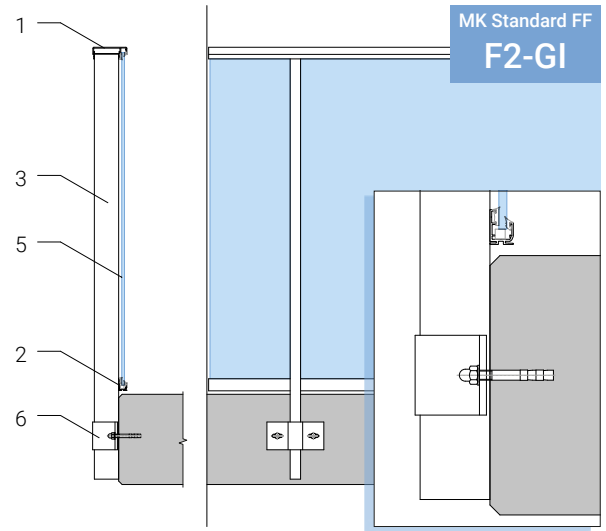
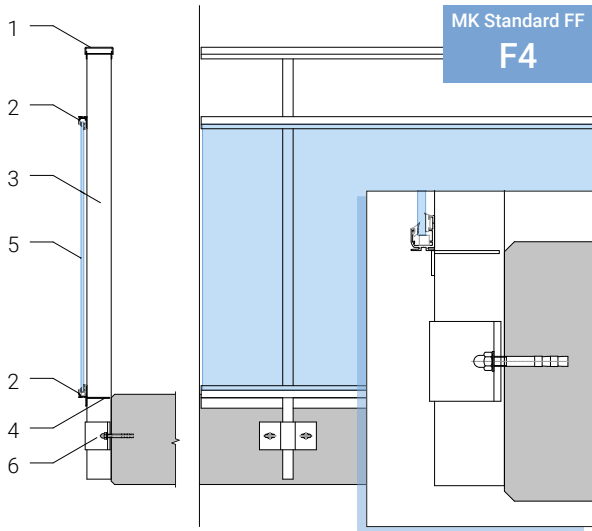
System MK Standard FF gives a wide variety of design options to find a perfect modern solution.

Glass or other fillings are installed inside or outside of the pillars without vertical profiles.

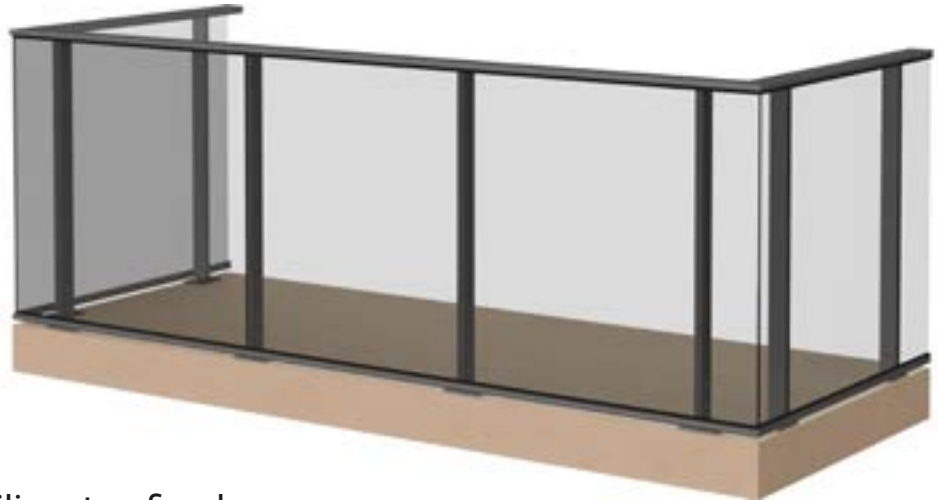
- | | |
|---|----------------------|
| 1 | Handrail profile |
| 2 | Glass profile |
| 3 | Pillar |
| 4 | Gap profile |
| 5 | Filling* |
| 6 | Front fixing bracket |
| 7 | C-profile |

* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative





MK Standard TF

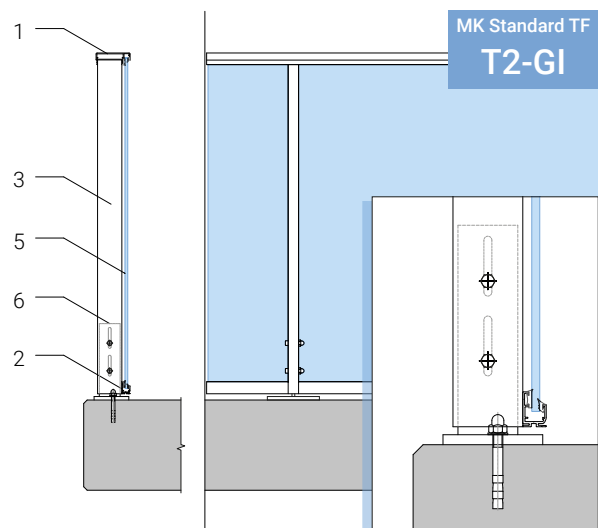
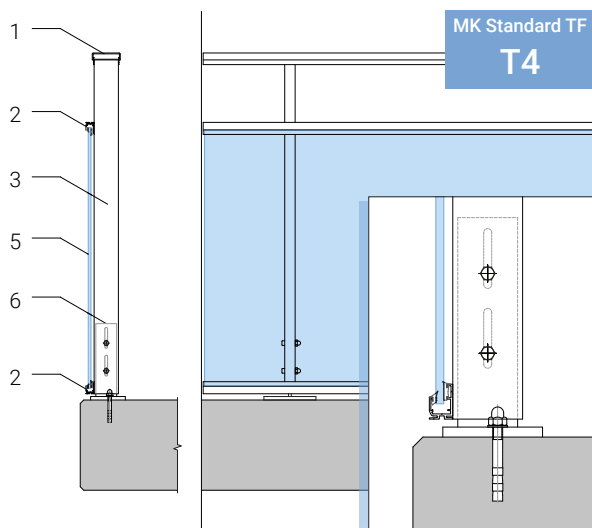
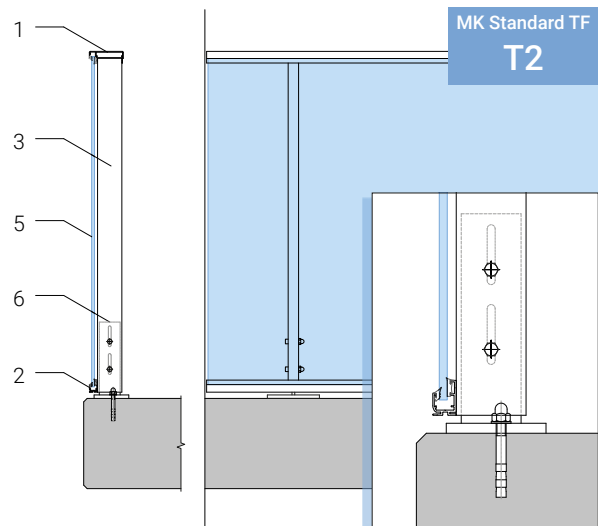


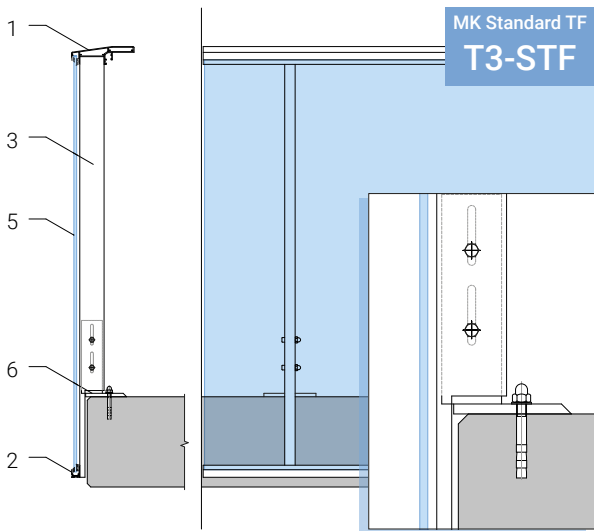
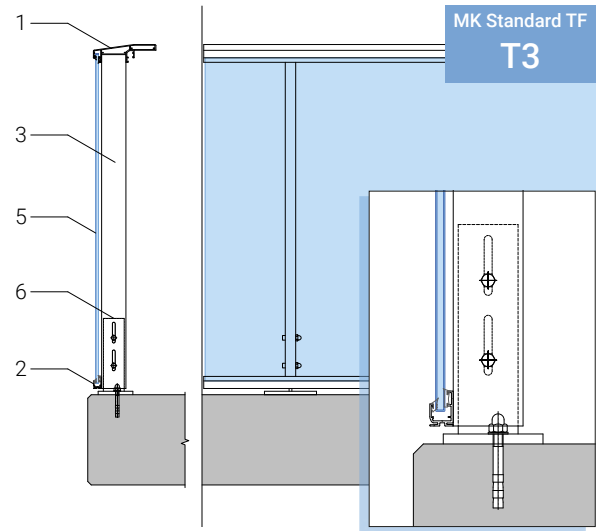
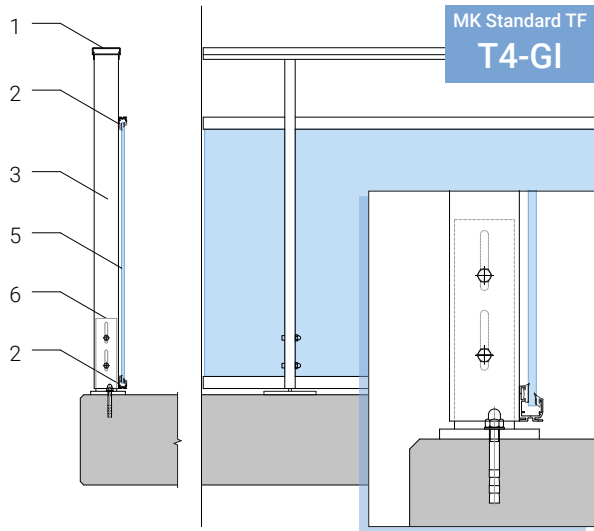
Glass-aluminium railing: top fixed

System MK Standard TF gives several design options to find a perfect modern solution.

Glass or other fillings are installed inside or outside of the pillars without extra vertical profiles.

1	Handrail profile	* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative
2	Glass profile	
3	Pillar	
5	Filling*	
6	Top fixing steel bracket	
2		





MK Classic FF

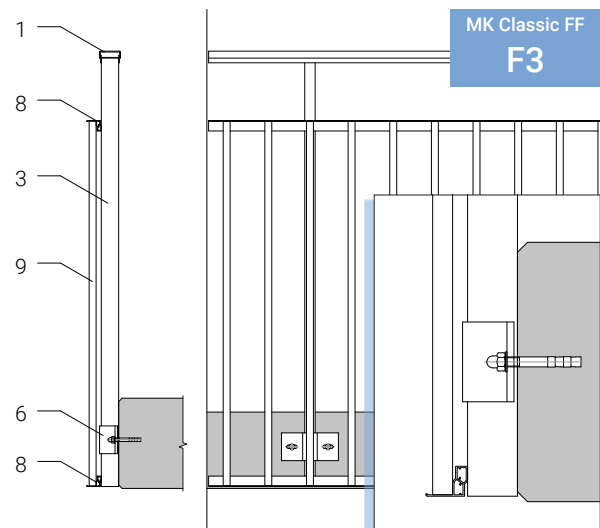
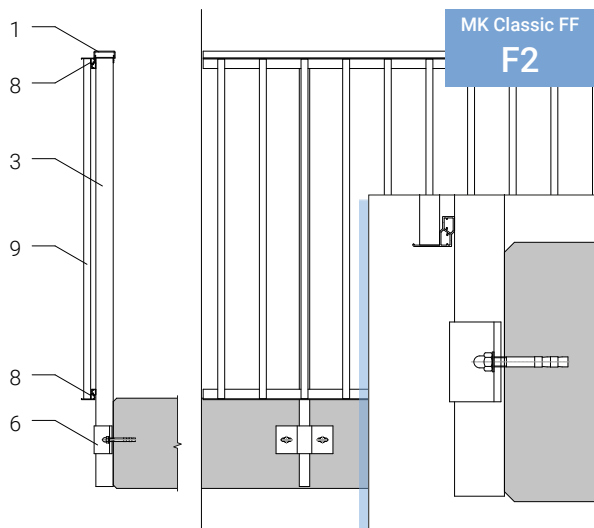
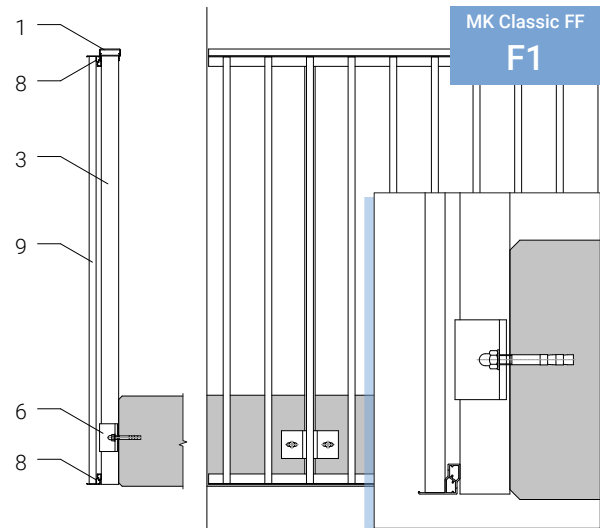


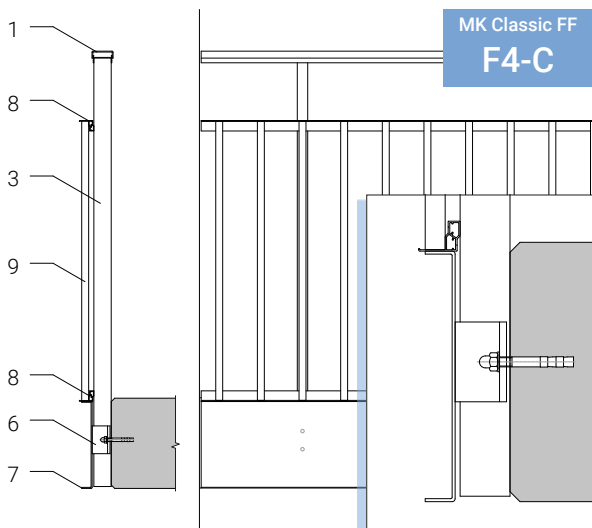
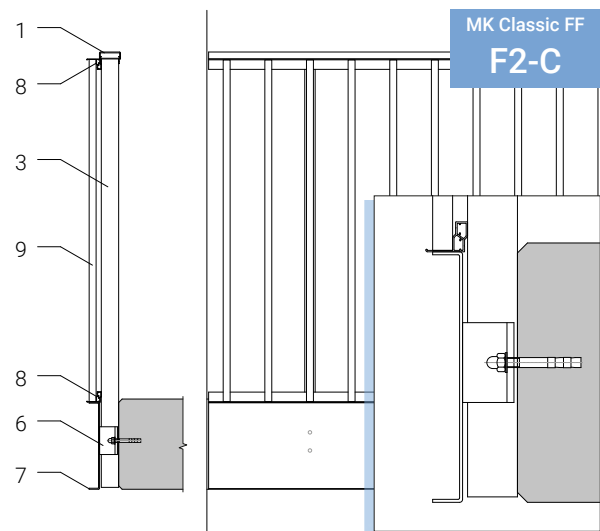
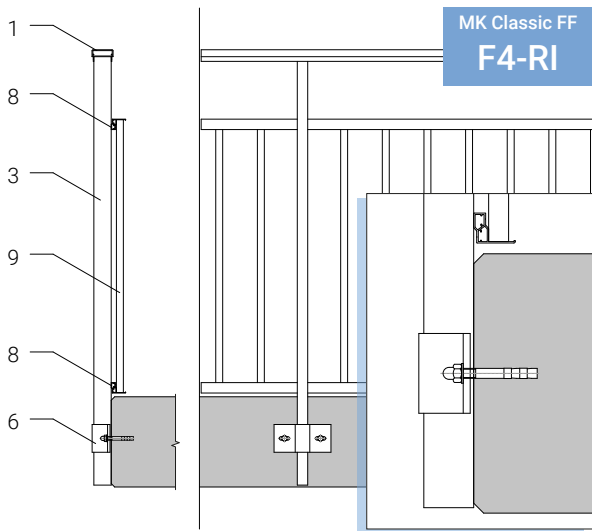
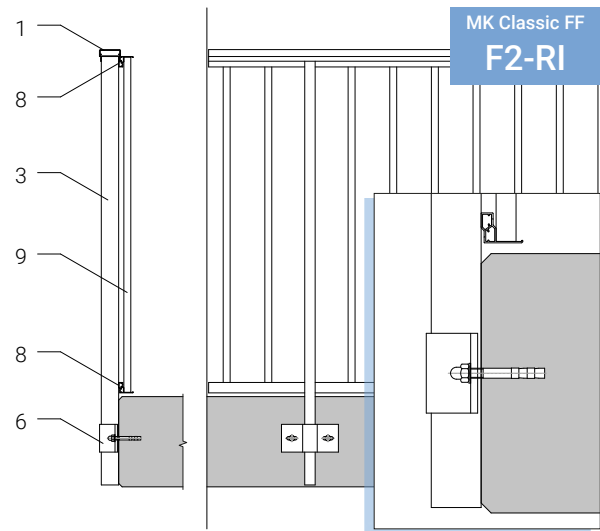
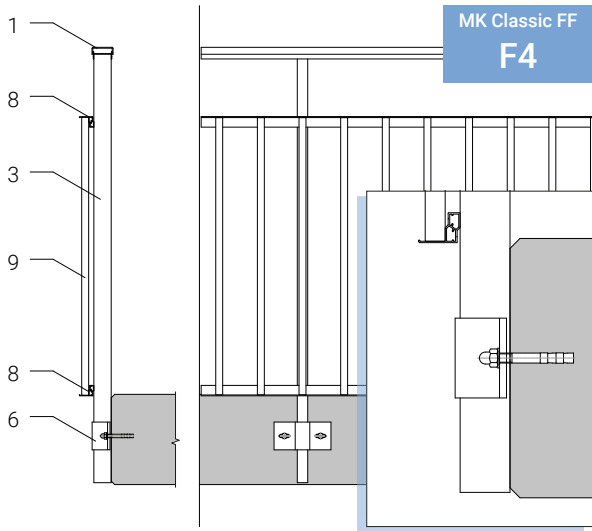
Aluminium rod railing: front fixed

System MK Classic FF is a light weight solution making it easy to work with.

Rods are installed inside or outside of the pillars.

1	Handrail profile
3	Pillar
6	Front fixing bracket
7	C-profile
8	P-profile
9	Rods





MK Classic TF

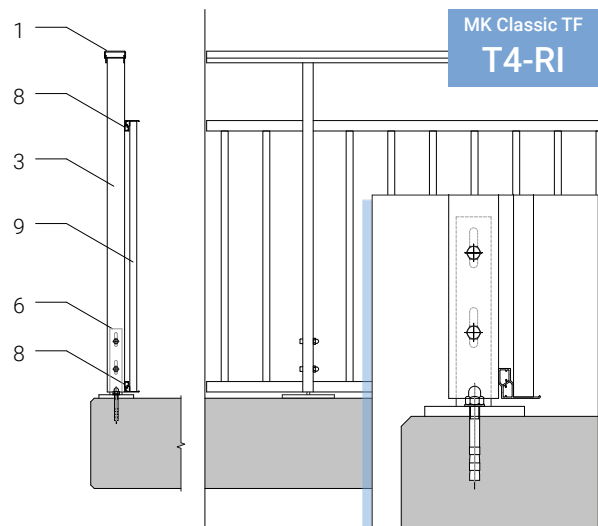
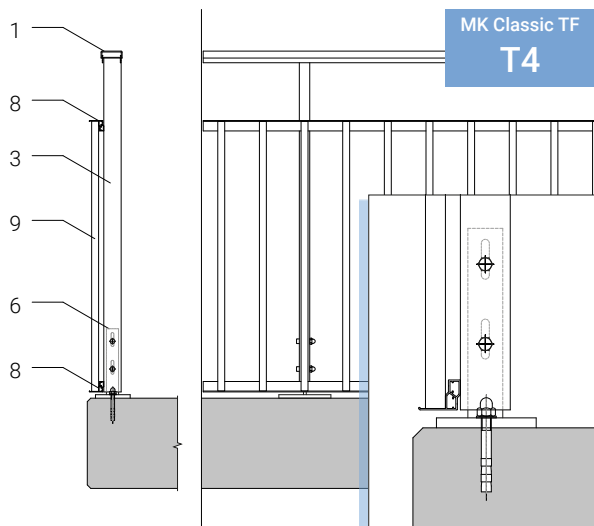
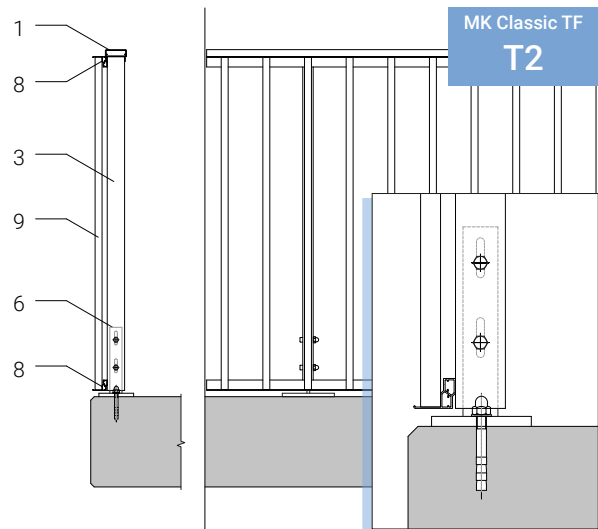


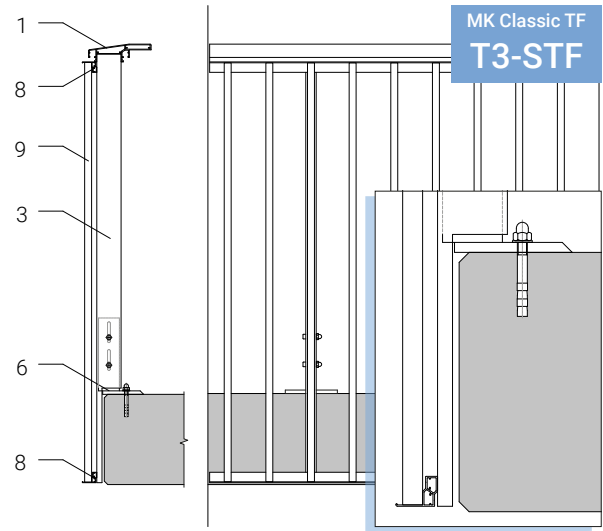
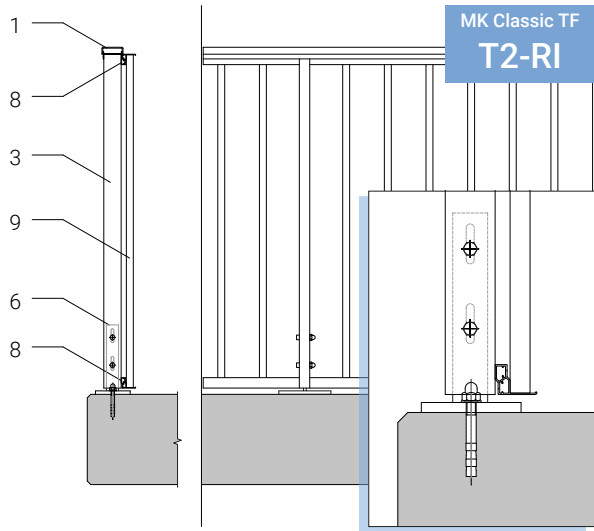
Aluminium rod railing: top fixed

System MK Classic TF is a light weight solution making it easy to work with.

Rods are installed inside or outside of the pillars.

1	Handrail profile
3	Pillar
6	Fixing profile
8	P-profile
9	Rods





MK Standard DEC

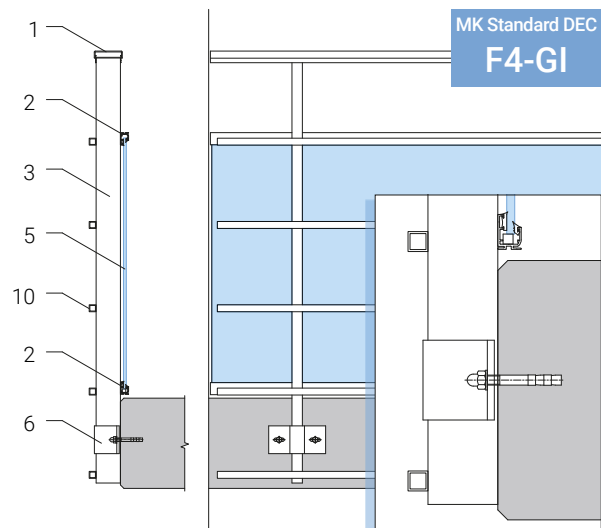
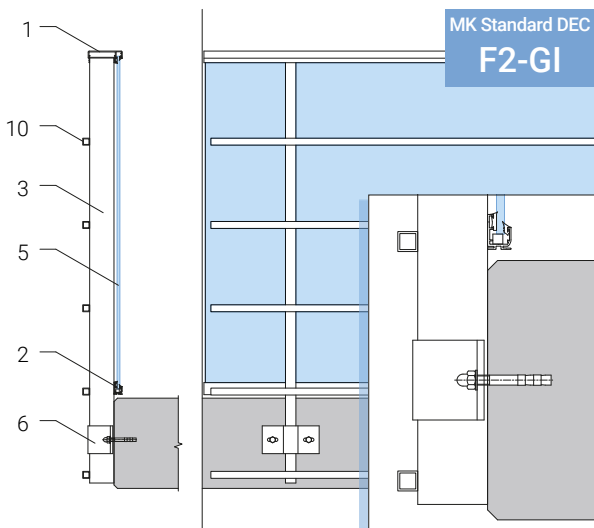


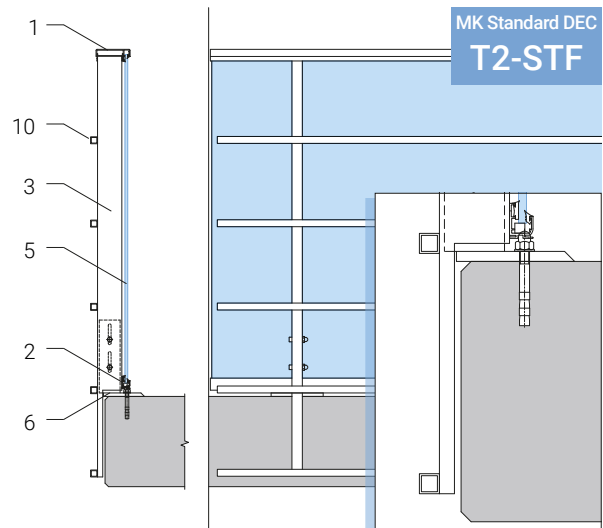
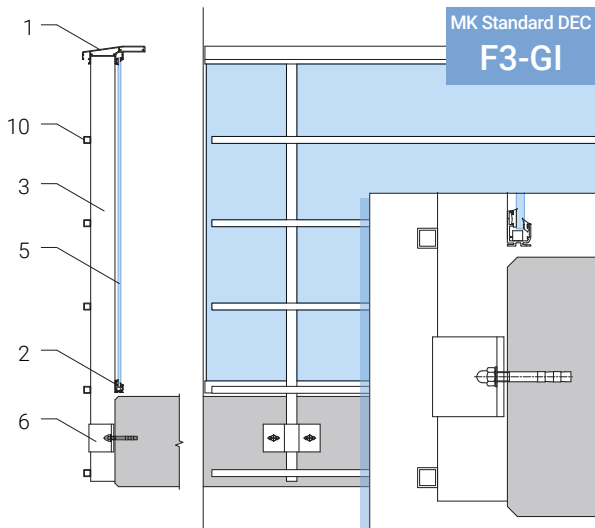
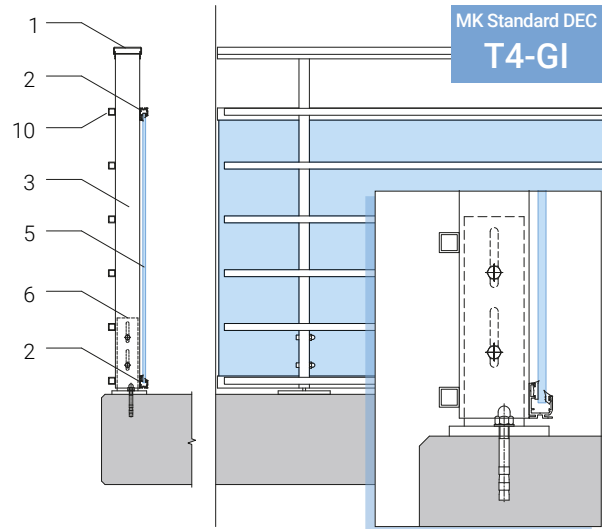
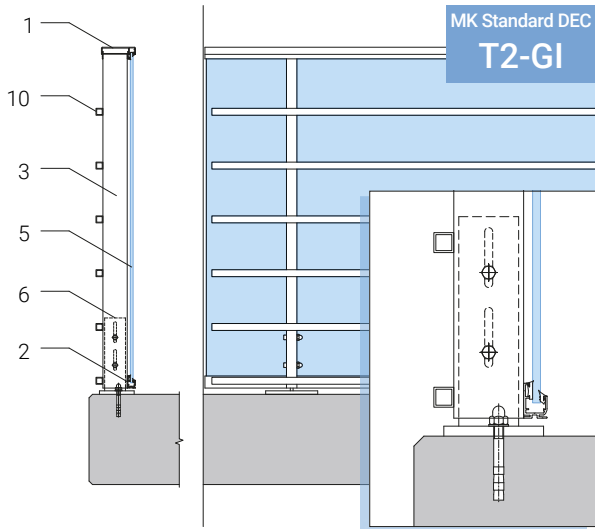
Glass-aluminium railing with horizontal decorative profiles

System MK Standard DEC is further development of system MK.

Glass or other fillings are installed inside of the pillars without vertical profiles and horizontal decorative profiles installed outside of the pillars.

1	Handrail profile	
2	Glass profile	
3	Pillar	
5	Filling*	* most popular choice of filling is glass; various composite boards e.g. Cembrit, Vivix can be used as an alternative
6	Front or top fix bracket	
10	Decorative profile	





SPECIAL SOLUTIONS

MK Nordic



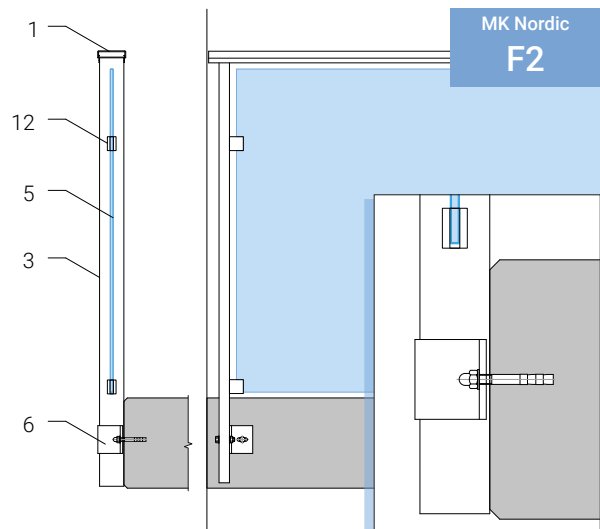
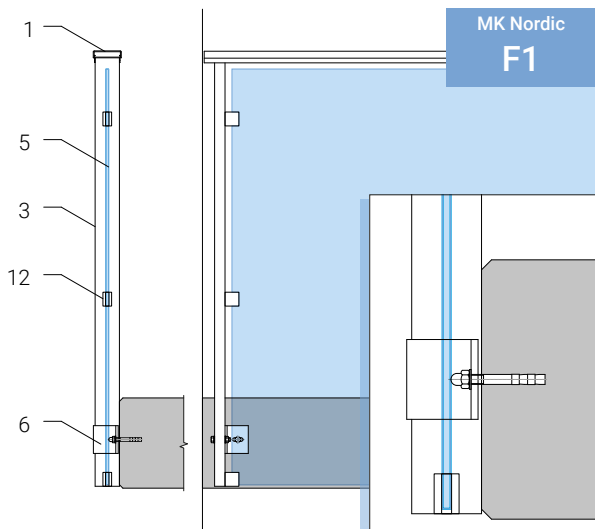
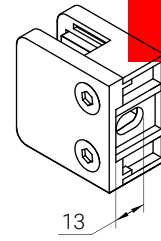
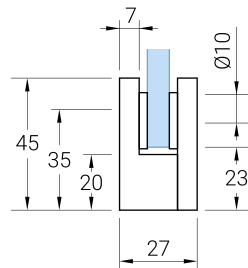
Glass-aluminium railing with clamps

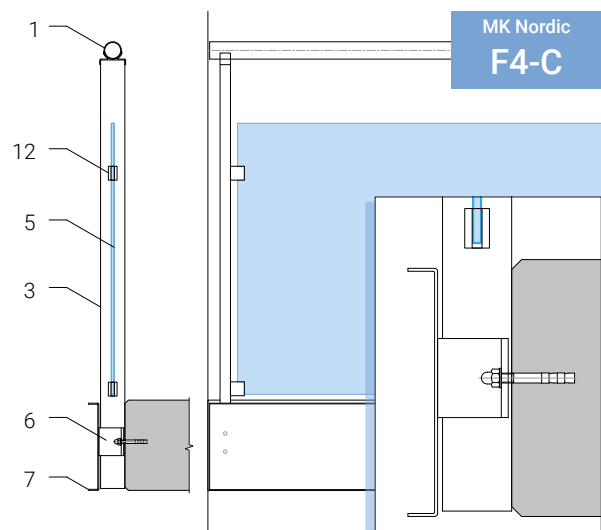
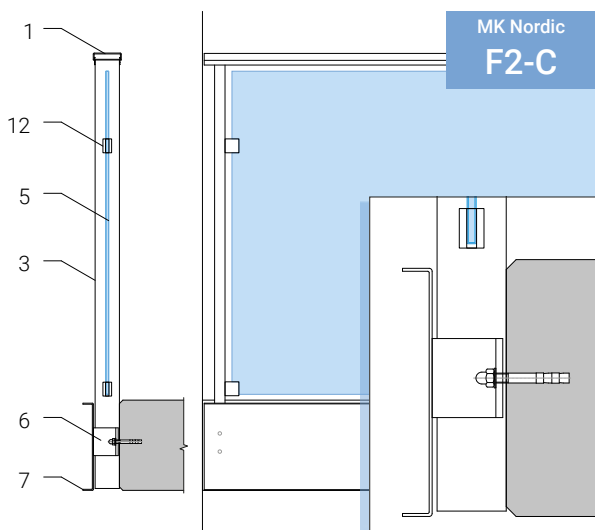
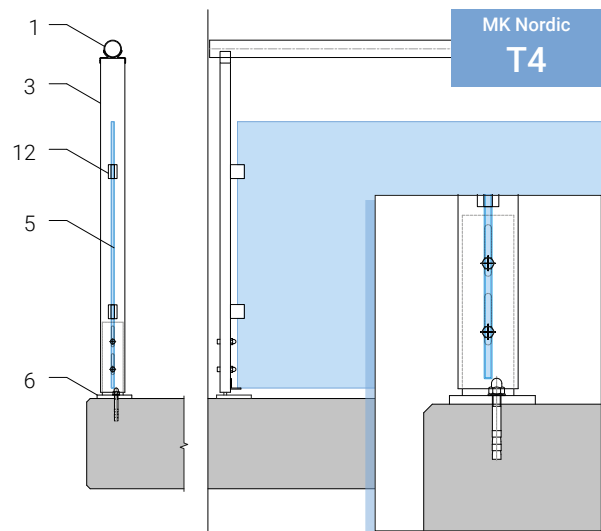
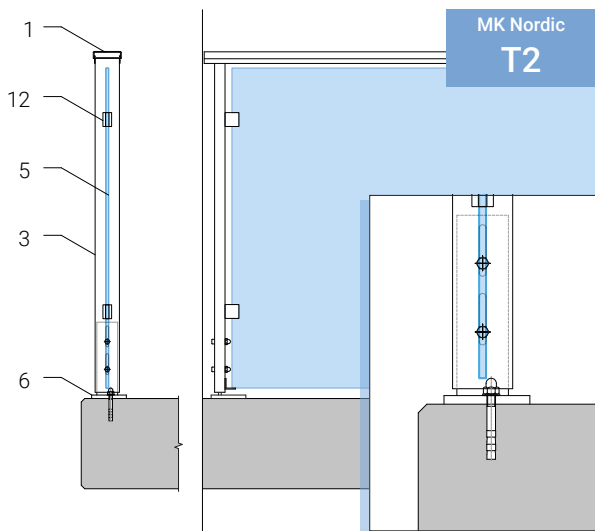
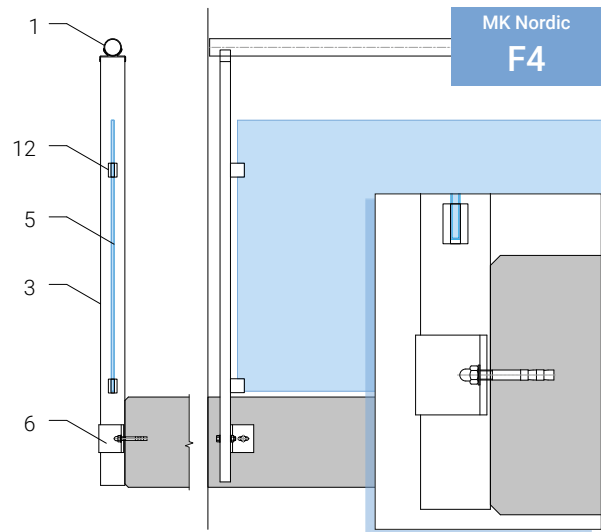
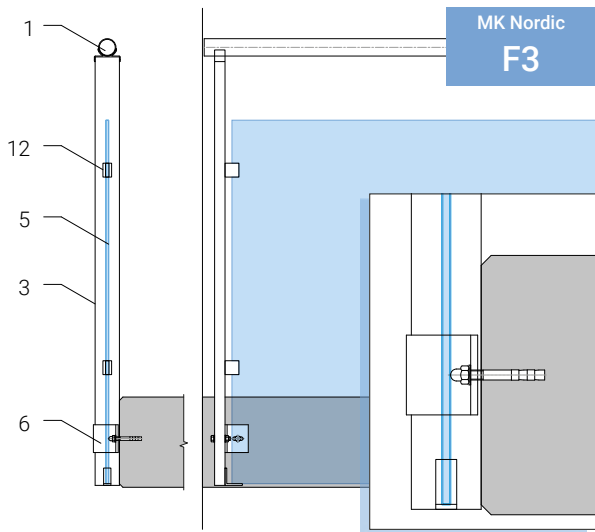
System MK Nordic is a simple solution that has a lot of different possibilities.

Glass is installed between the pillars with stainless steel glass clamps.

- | | |
|----|-----------------------------|
| 1 | Handrail profile |
| 3 | Pillar |
| 5 | Filling |
| 6 | Front or top fixing bracket |
| 7 | C-profile |
| 12 | Glass clamp |

45x45 mm stainless steel
SK20-0037





SPECIAL SOLUTIONS

MK Scandic



Aluminium railing with various sheet metals and composite boards

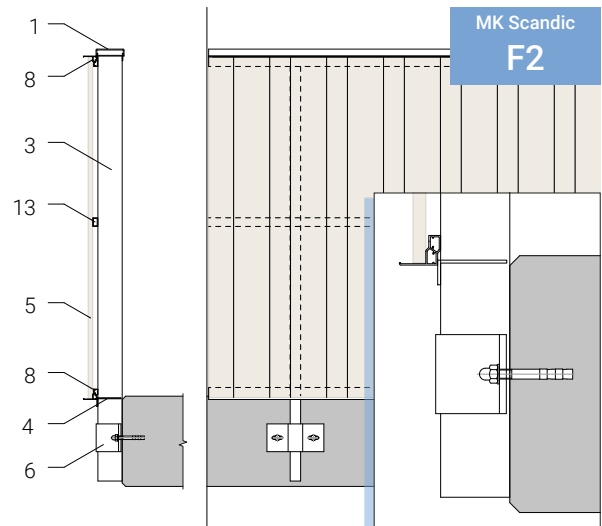
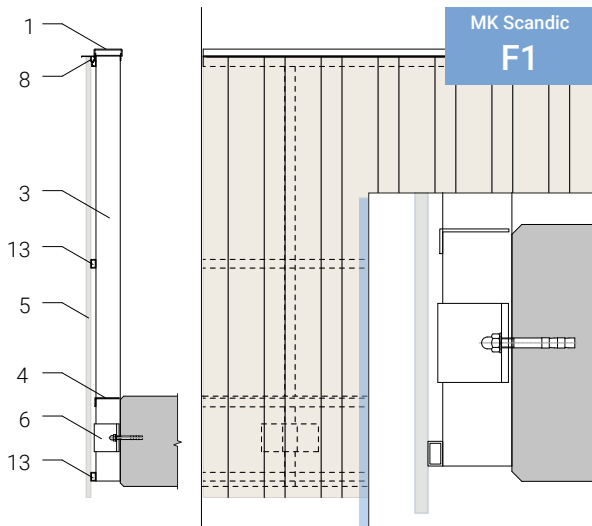
System MK Scandic gives a lot of privacy to the balcony.

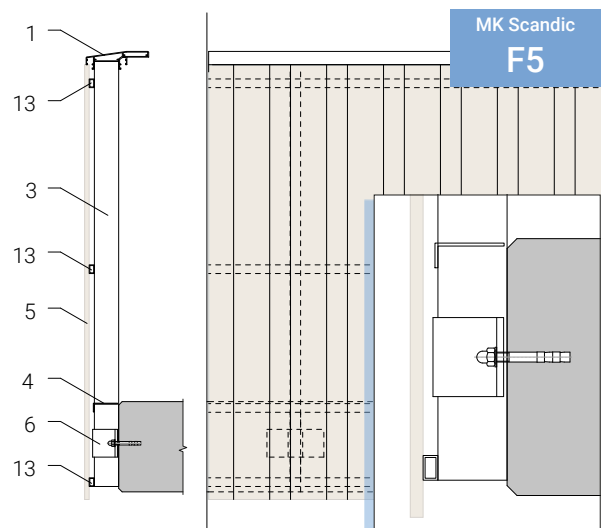
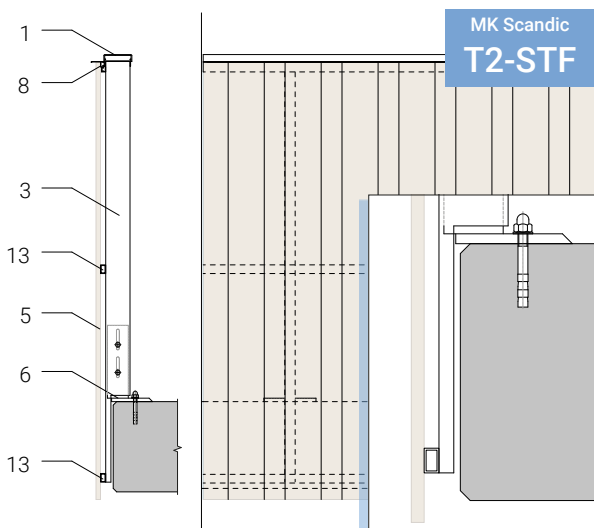
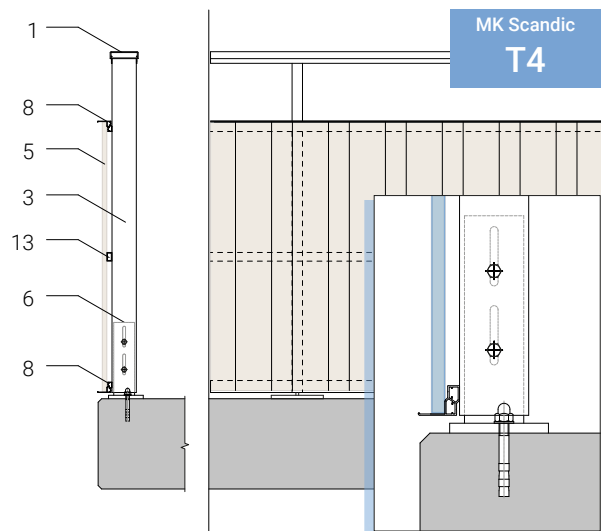
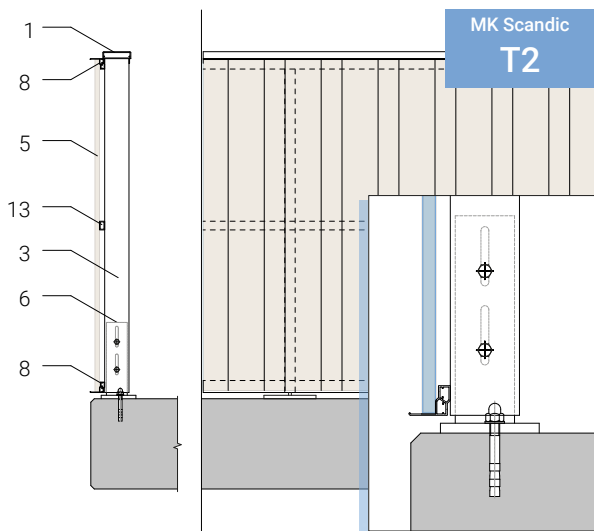
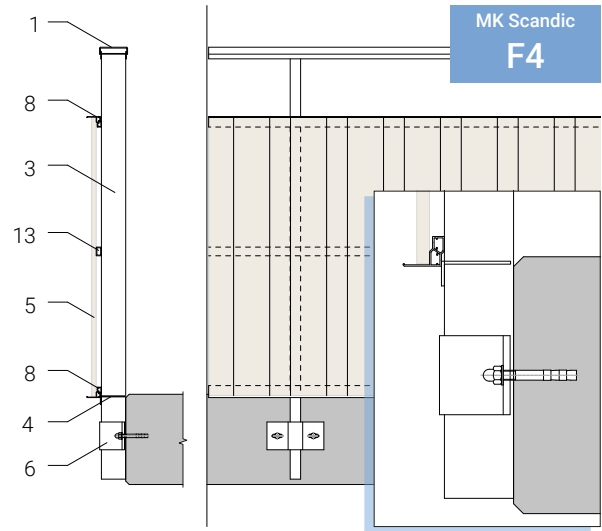
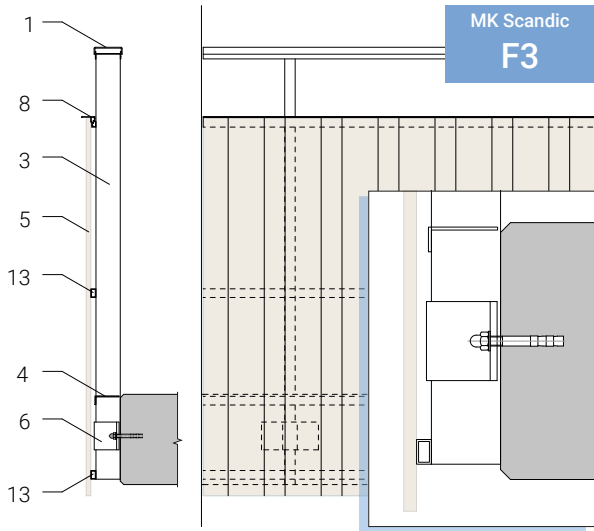
Corrugated metal sheets and composite board can be installed inside or outside of the pillars.



- | | |
|----|----------------------|
| 1 | Handrail profile |
| 3 | Pillar |
| 4 | Gap profile |
| 5 | Filling* |
| 6 | Front fixing bracket |
| 8 | P-profile |
| 13 | Support profile |

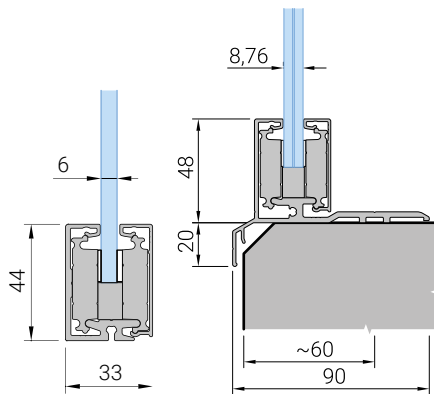
* Various metal sheets and composite boards e.g. trapezoidal sheets, perforated sheets, Cembrit, Vivix etc.





MK Vision profiles and fixings

Fixing profile

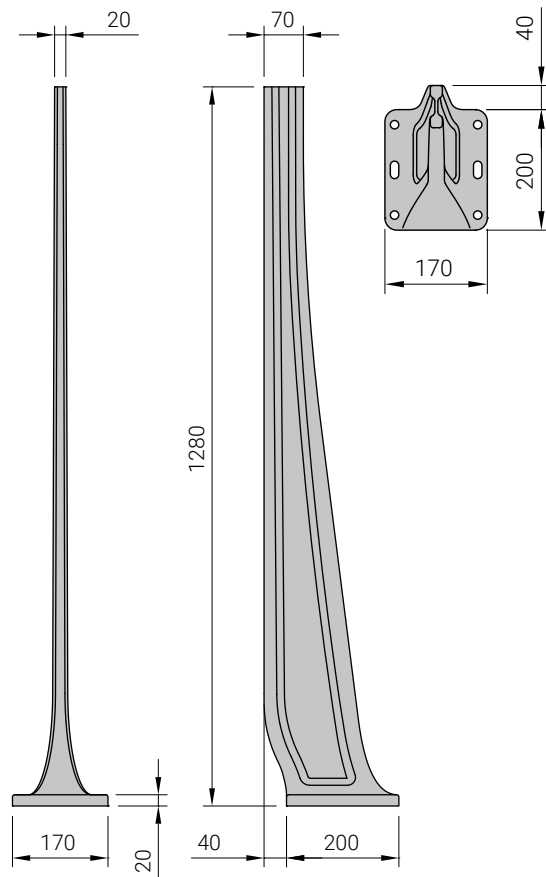


GLASS THICKNESS / SHAPE

6	PR40-128	PR40-141
8	PR40-129	PR40-142
10	PR40-131	PR40-144
12	PR40-133	PR40-146
33.1	PR40-128	PR40-141
44.1	PR40-129	PR40-142
44.2	PR40-130	PR40-143
55.1	PR40-131	PR40-144
55.2	PR40-132	PR40-145
66.1	PR40-133	PR40-146
66.2	PR40-134	PR40-147

Pillar

SK20-0047



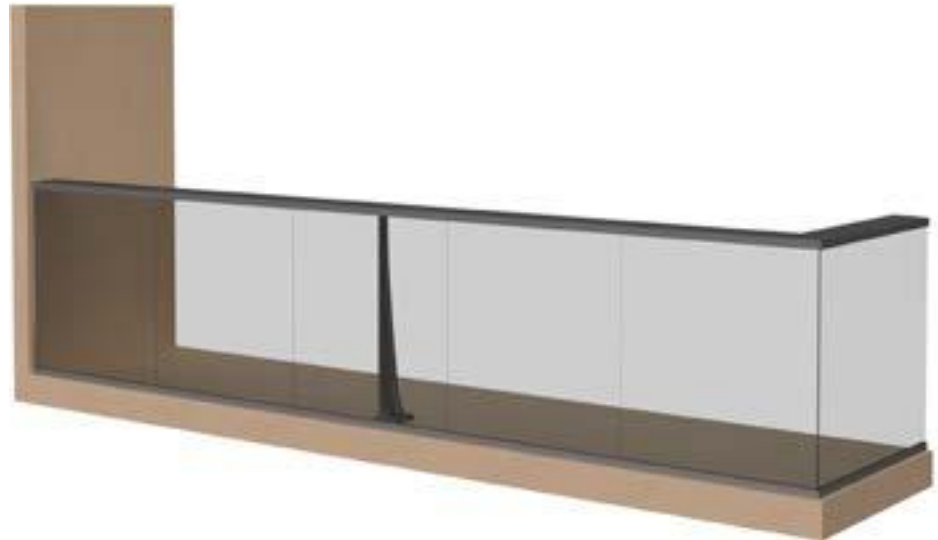
SURFACE TREATMENT

Powder coated

COLOUR CHART

RAL

MK Vision

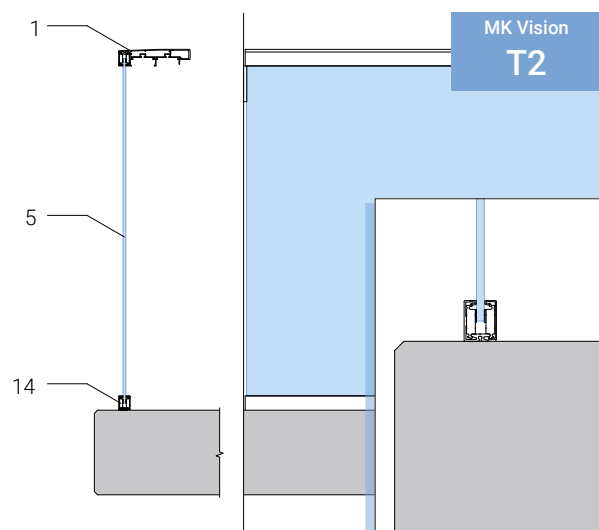
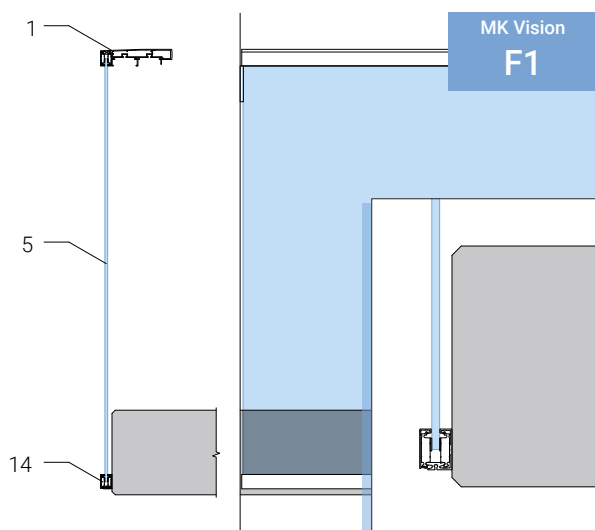


Glass-aluminium railing

System MK Vision makes it possible to install balcony glazing on top of a full glass railing with handrail.

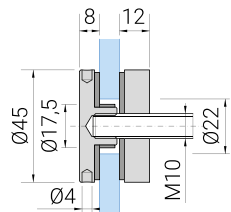
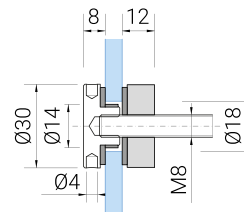
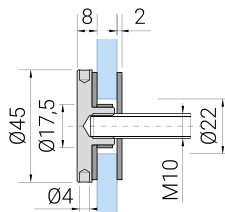
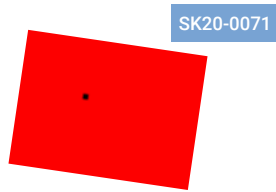
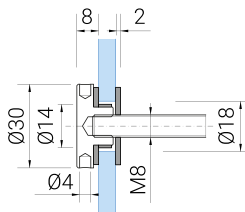
Streight calculations must be performed by qualified engineer.

1	Handrail profile
5	Glass filling
14	Clamp profile



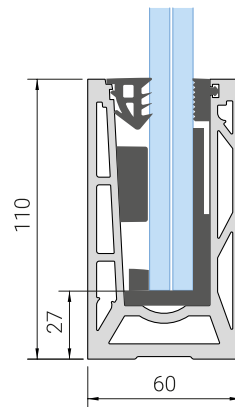
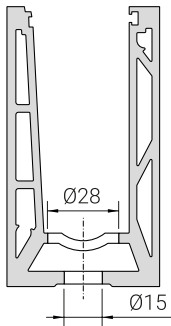
System Edge & Aero fixings and profiles

Point fixings

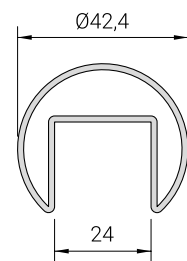


Adjustable glass railing profiles

GPR 1,5 K/N top fixed



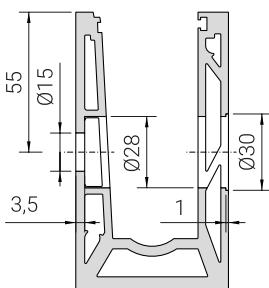
Slot tube



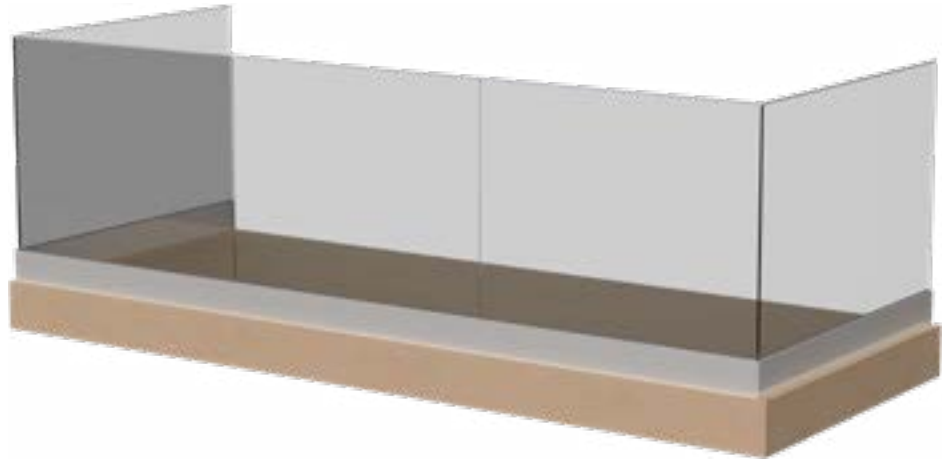
SURFACE TREATMENT

Satin, brushed

GPR 1,5 K/N front fixed



System Edge



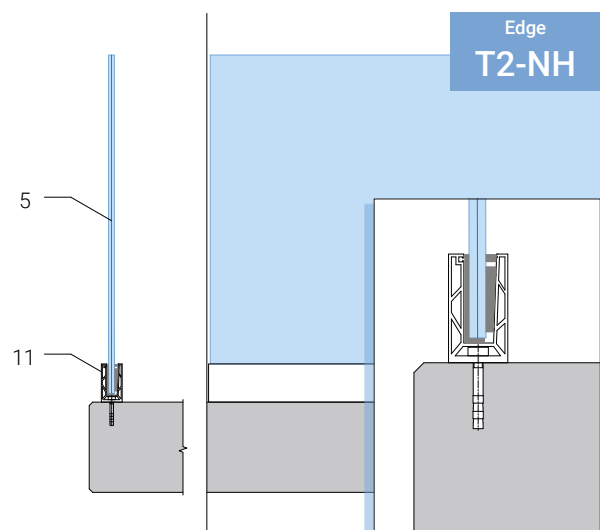
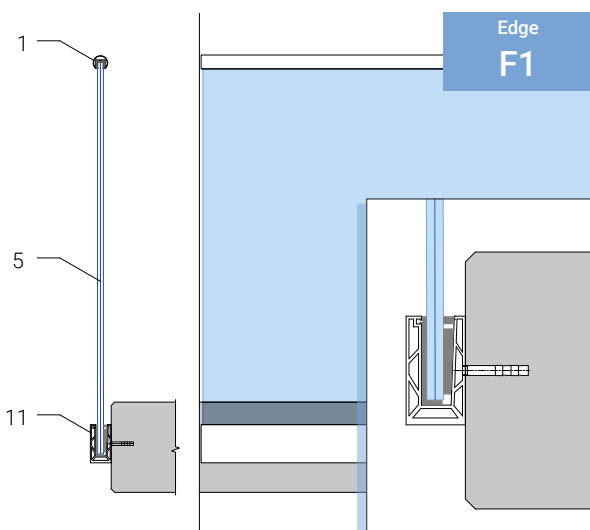
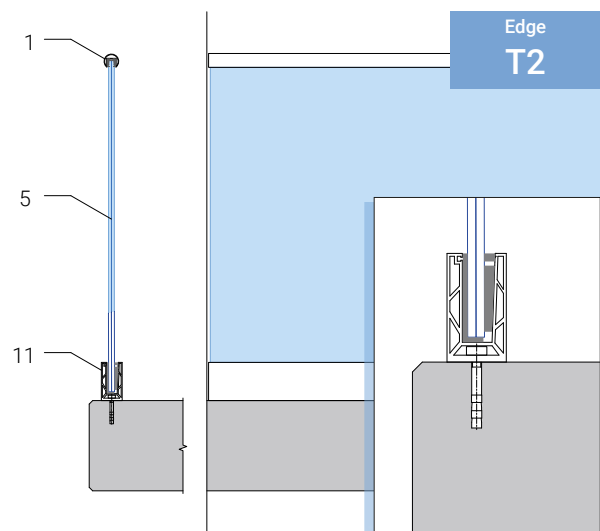
Full glass railing with bottom profile

System Edge has no pillars disturbing the view.

Glass is installed with bottom profile on top or to the side of the balcony plate.

This system must be installed with a PR20-21 handrail when the railing is more than 600 mm high and more than 8 m wide.

1	Handrail profile
5	Glass filling
11	Fixing profile



System Aero

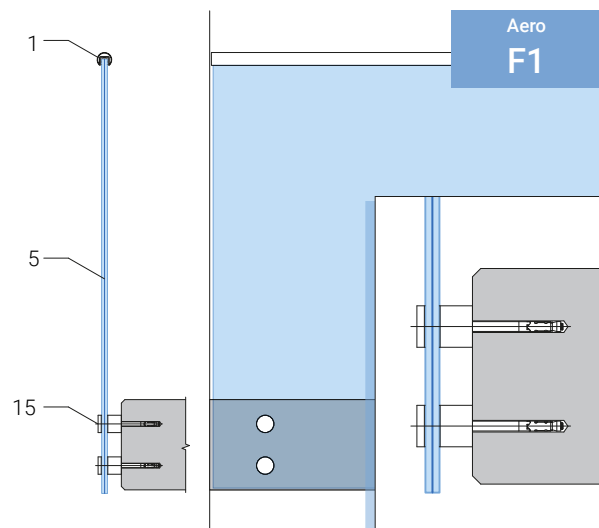


Full glass railing with point fixings

System Aero has no pillars disturbing the view.

Glass is installed with stainless steel point fixings to the side of the balcony plate. Can be with or without handrail.

1	Handrail profile
5	Safety glass
15	Point fixing

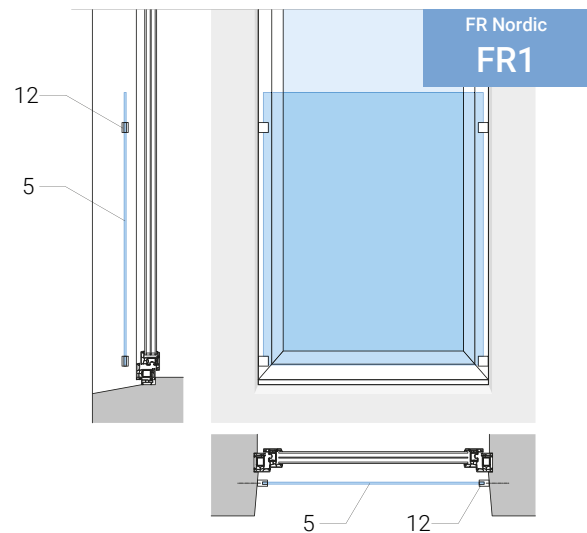


French balconies

1	Handrail profile
2	Glass profile
3	Pillar
5	Glass filling
8	P-profile
12	Glass clamp
14	Clamp profile
15	Point-fixing

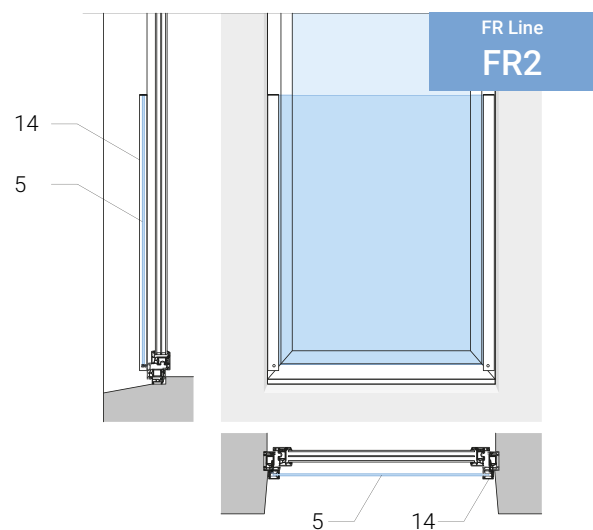
FR Nordic

Glass is fixed with 4 stainless steel glass clamps.



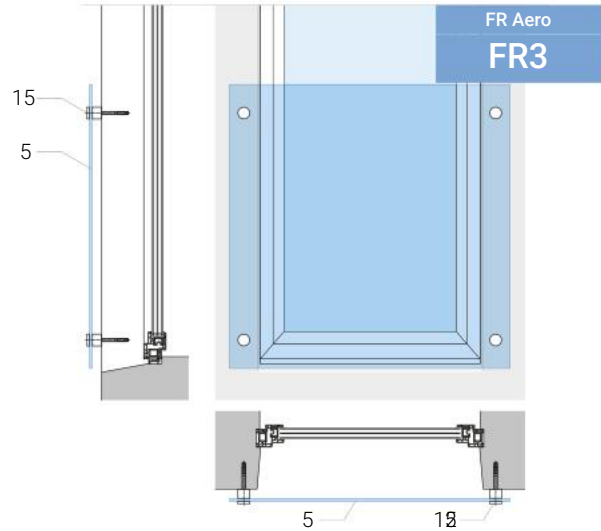
FR Line

Glass is fixed with vertical clamp profile from both sides.



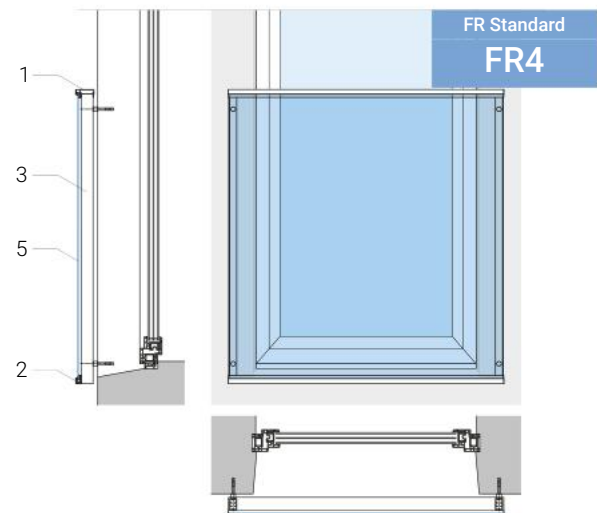
FR Aero

Glass is fixed with 4 stainless steel point fixings.



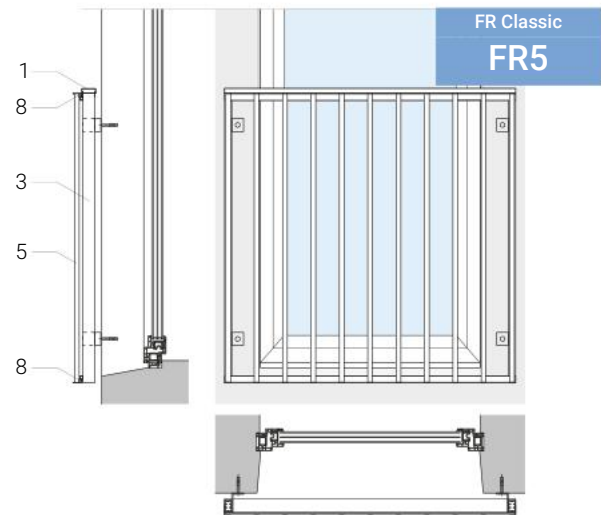
FR Standard

Glass is fixed from top and bottom with glass profile. This type comes with a handrail. The railing is attached to the wall through pillars behind the glass.



FR Classic

Rods are fixed to a profile from top and bottom. The railing is fixed to the wall with the L-profiles attached to the pillars on both sides.



System components

TI20-0001

Gasket (pre-glazing)


TI20-0002

Gasket
(after glazing
6 mm glass)


TI20-0003

Gasket
(after glazing
44.1 glass)


TI20-0004

Gasket
(after glazing
44.2 glass)


SK20-0001

KP1-50 plastic end
gap


SK20-0002

KP1-70 plastic end
gap


SK20-0003

KP2-50 plastic end
gap


SK20-0004

KP2-70 plastic end
gap


SK20-0005

Glass profile
plastic end gap


SK20-0006

Pillar KLM 50
plastic end gap


SK20-0007

Pillar KLM 70
plastic end gap


SK20-0008

P-profile plastic end
gap right side


SK20-0009

P-profile plastic end
gap left side


SK40-0024

End gap for rods


SK20-0034

Glass supporter







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