Architect manual

NG S

Keller minimal windows® • 06-2023


NG S4
NG S5
NG S6
NG S7

Table of content

(*) in progress

System

Facing width	:	26 mm
Installation flush to the floor	:	possible
Installation flush to the ceiling	:	possible
Max. leaf height	:	6 m
Min. B/H	:	1/3
Max. leaf weight	:	1500 kg
Max. leaf area sliding	:	18 m²
Max. leaf area fix	:	18 m²
Max. numbers of tracks	:	up to 5 tracks
Overall insulation glass thickness	:	34 up to 44 mm
Automated sliding leaf	:	yes
Motorisation (*)	:	up to 2400 kg

(*) total weight with one motor and combined leaves

Accessibility	:	DIN 18040-1, DIN 18040-2

Building physics

U_w-Values (dep. on glass type & dimensions)	:	≥1,2 W/(m²K) (a) | ≥0,9 W/(m²K) (b)	
Air permeability	:	up to classe 4	→ EN 12207 (c)
Resistance to rain penetration	:	up to classe 8A	→ EN 12208 (d)
Resistance to wind loads	:	up to classe C5	→ EN 12210 (c)
Sound insulation	:	up to 46 dB	→ ISO 717-1 (c)

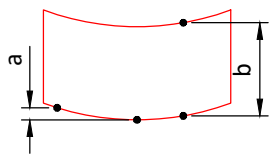
Safety

Resistance to burglary	:	up to RC 3	→ EN 1627 (c) & PAS24

(a) Theoretical R&D calculation for sliding-fixe 6.0 x 6.0 m with glass Ug 1.0 W/m²K
(b) Theoretical R&D calculation for sliding-fixe 4.0 x 6.0 m with HM-glass Ug 0.6 W/m²K
(c) Target value, waiting for official testing
(d) Target value for drainage type 1 (target value for drainage type 2 & 3 >8A)

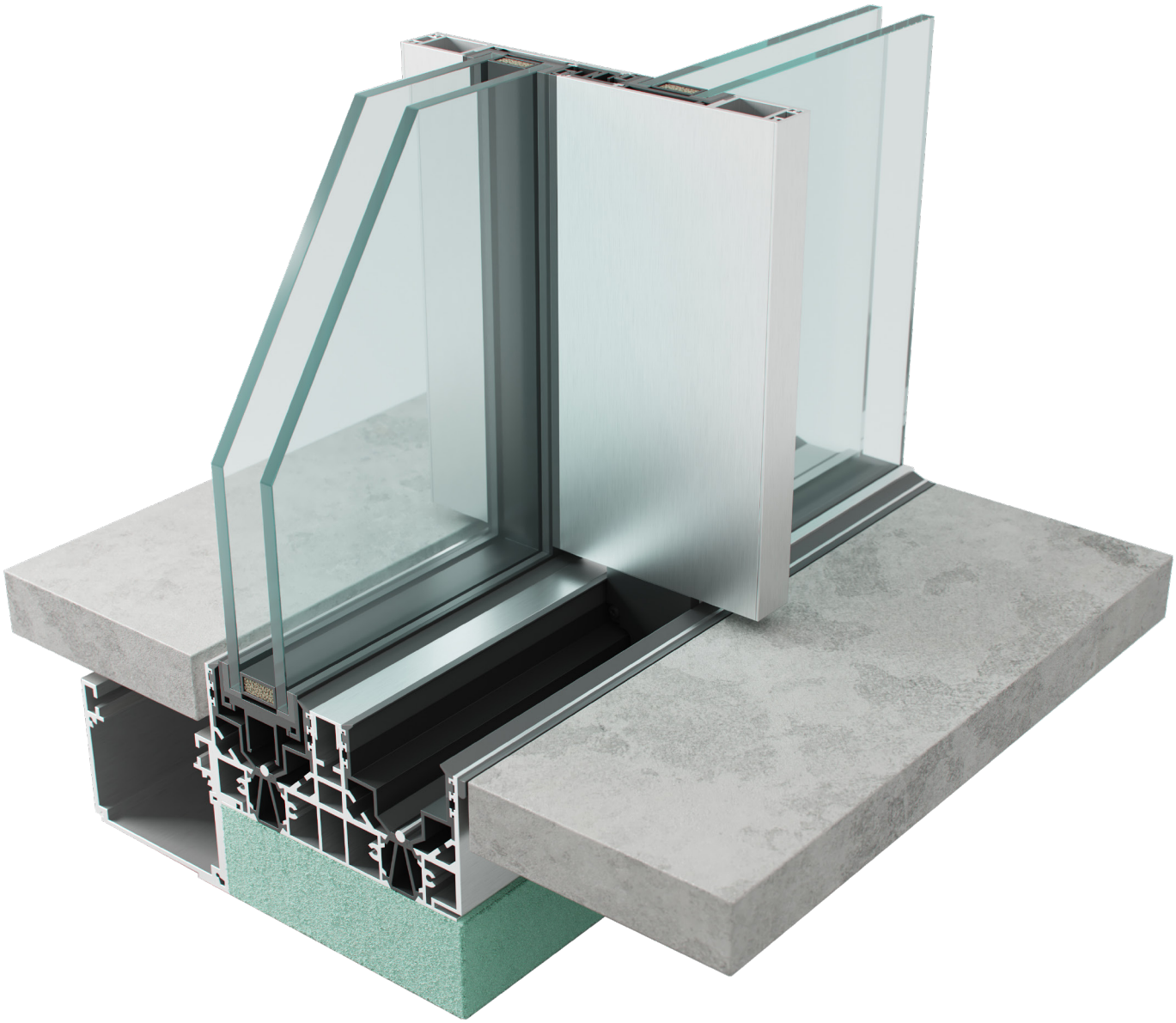
Mounting directions

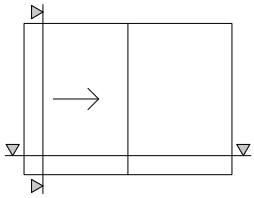
Max. allowable bending of outer frame

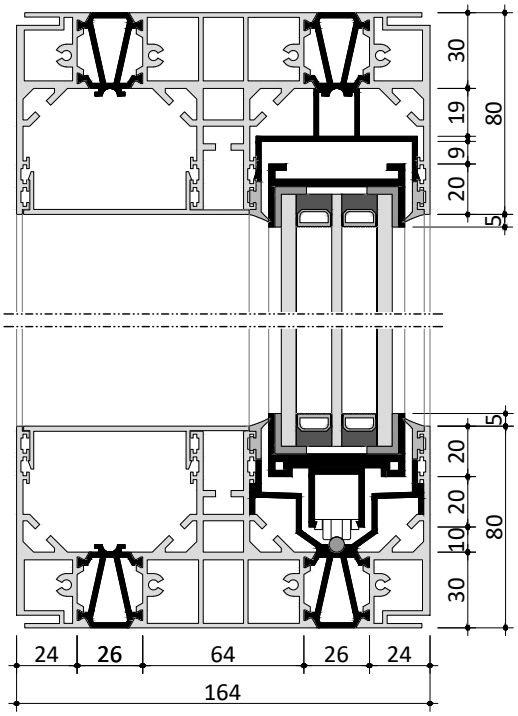


: During assembly
- a : ± 0.5mm / m
- b : ± 1mm

: During operation
- a : ± 1mm / m
- b : + 2 / - 5mm



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20
10
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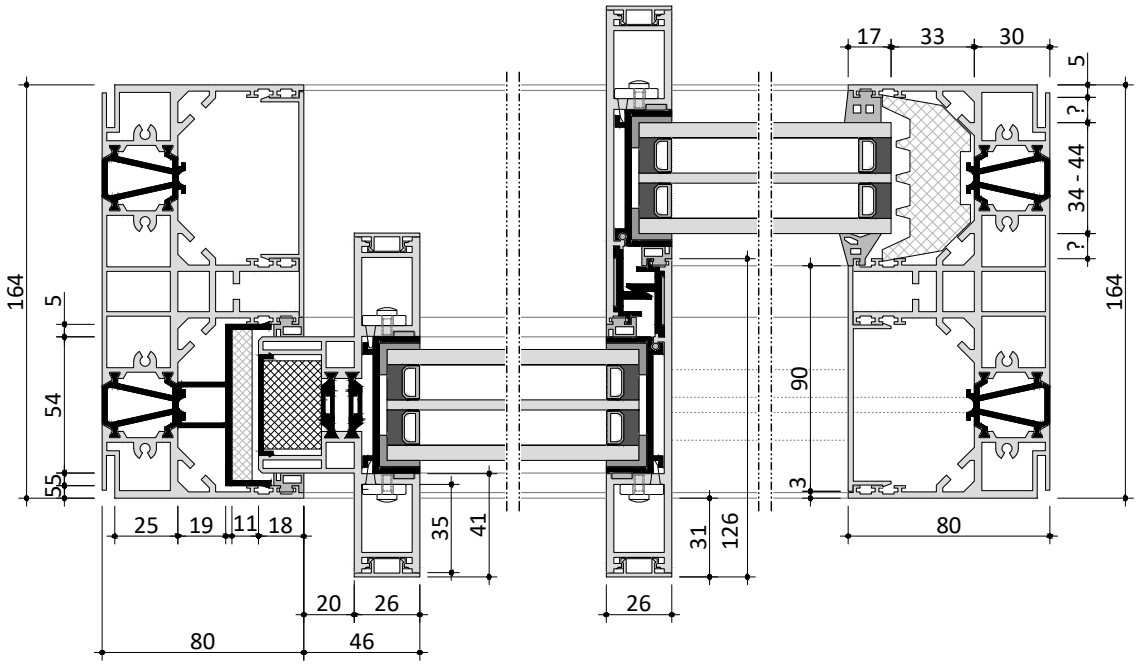
80
24
26
64
26
24
164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33
30
5
?
34 - 44
?
164
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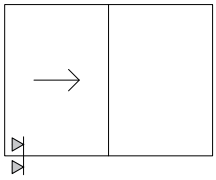
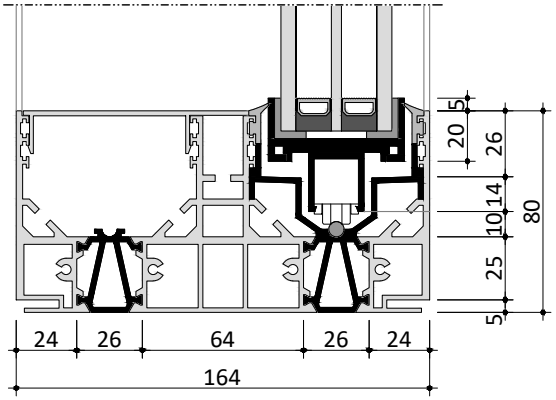
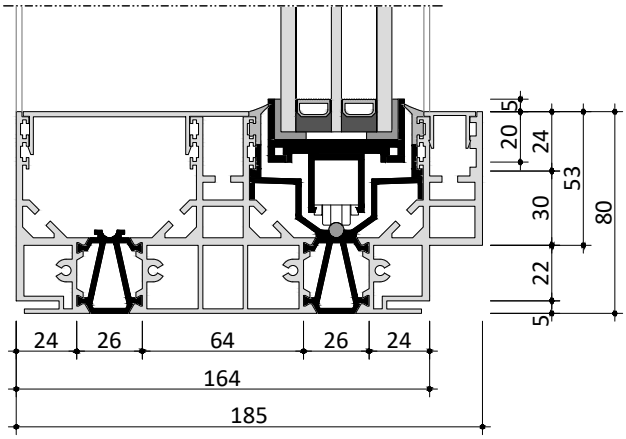




view



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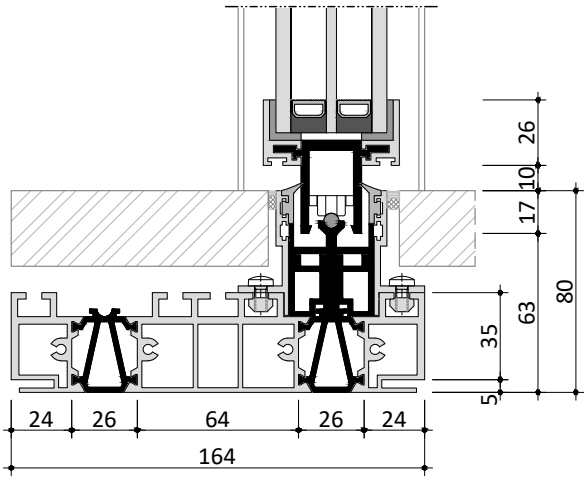
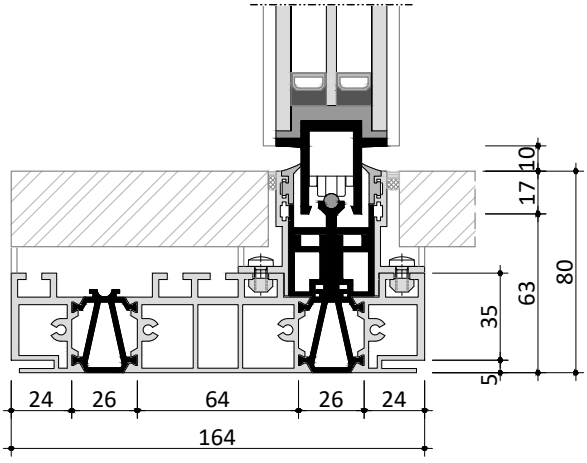


floor PL



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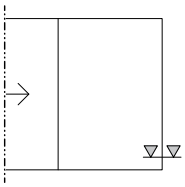

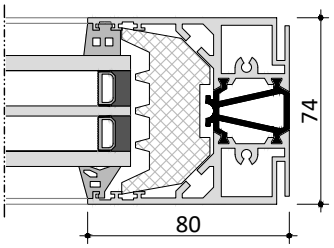
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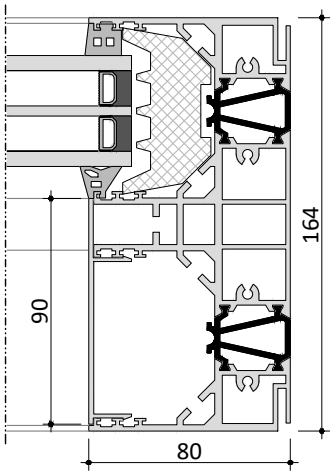
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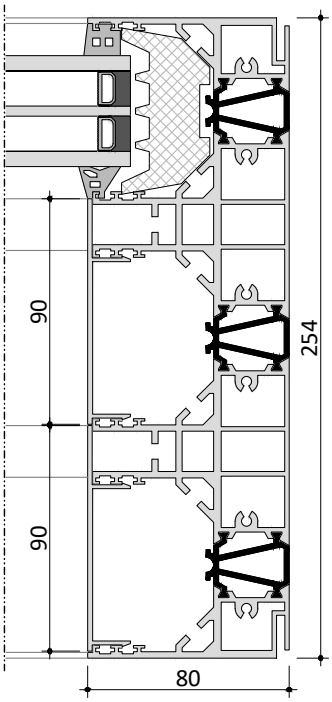
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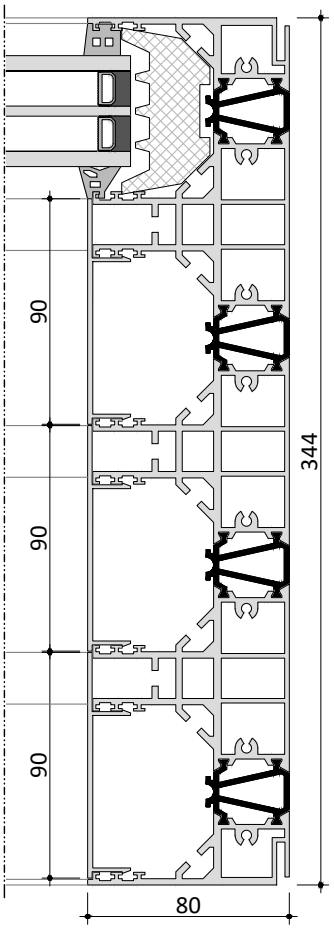
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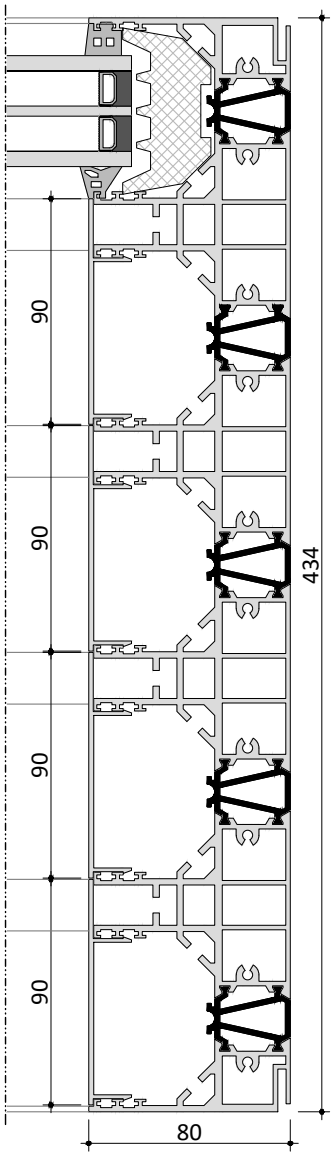
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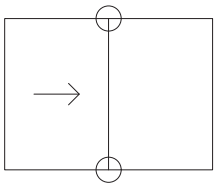
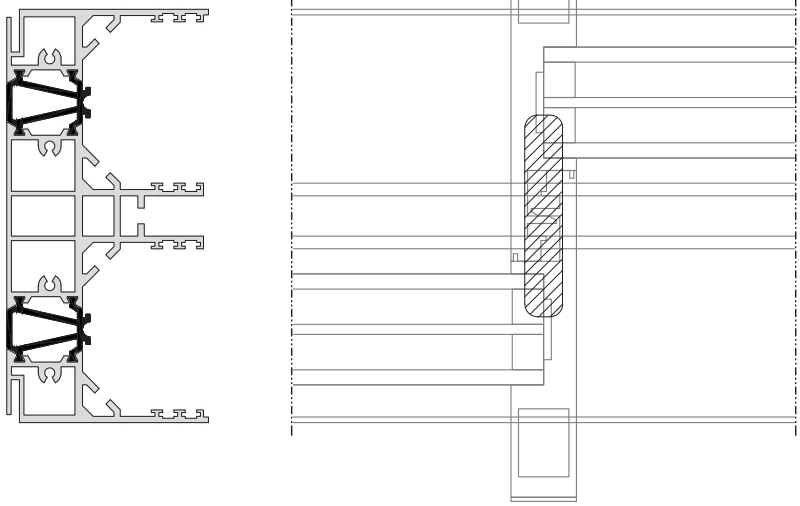
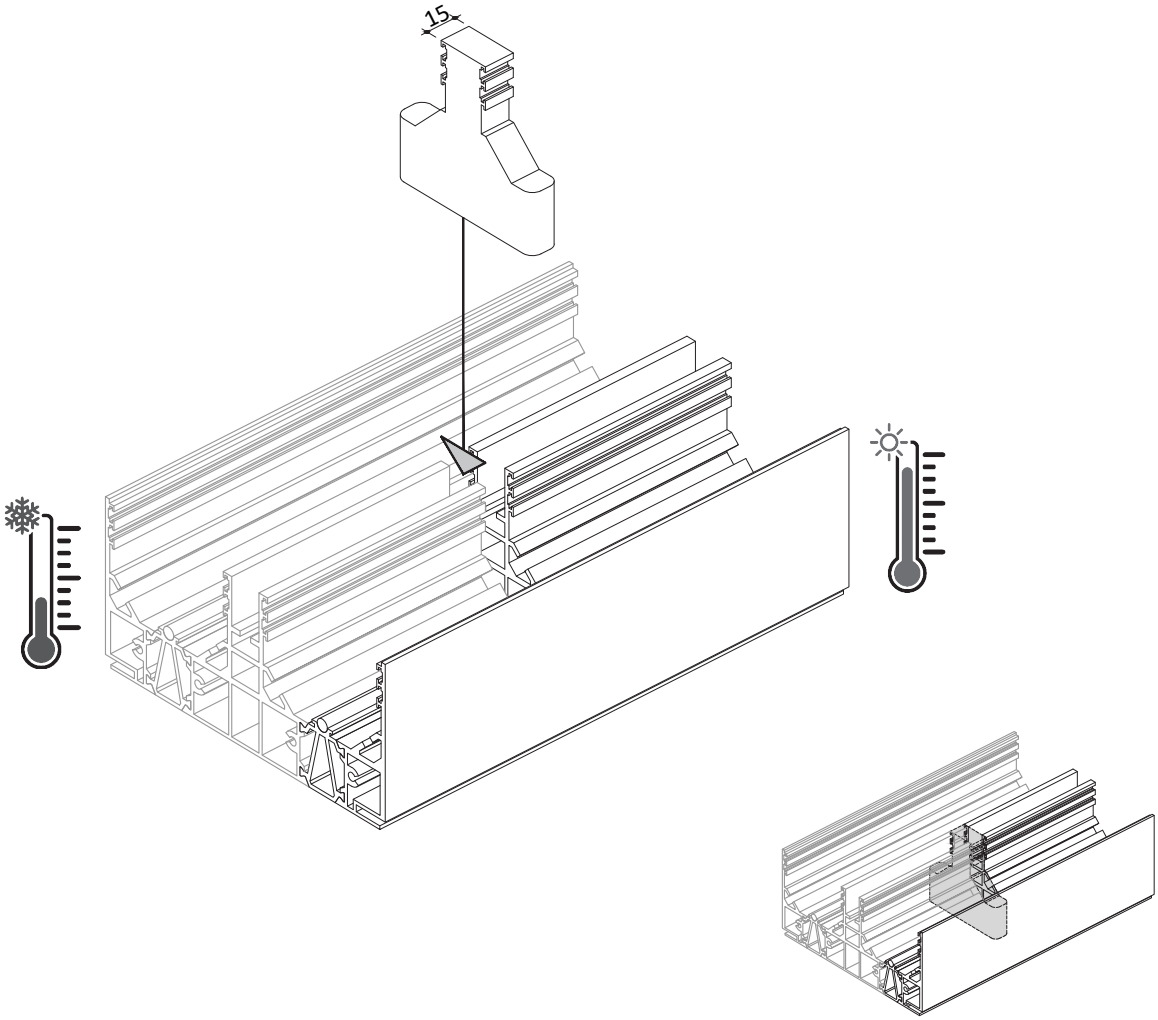
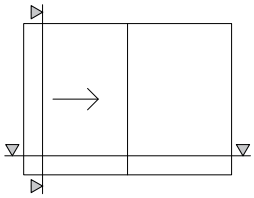
90
90
90
80

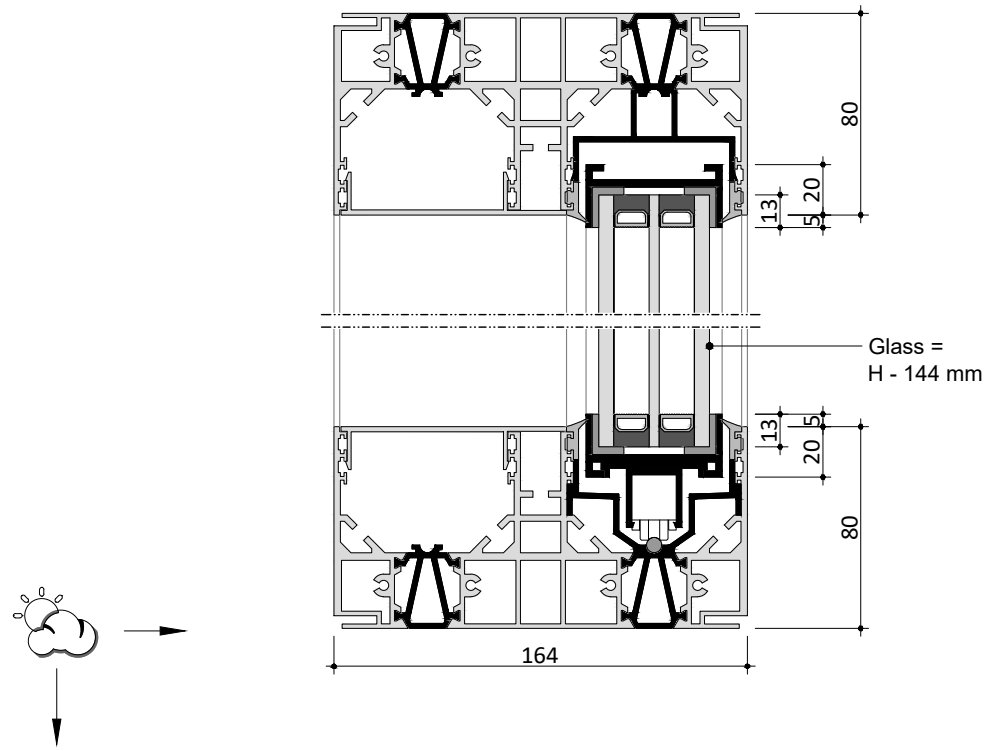
M 1:3 | outer frames : Z-schell seperator

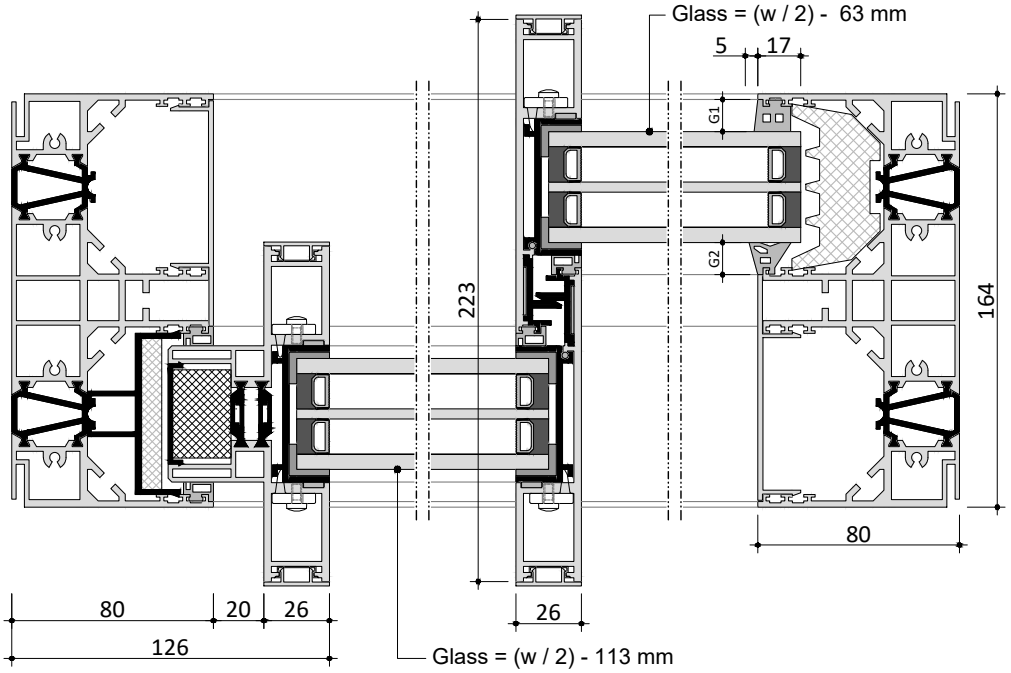


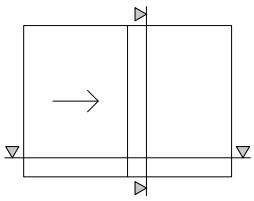




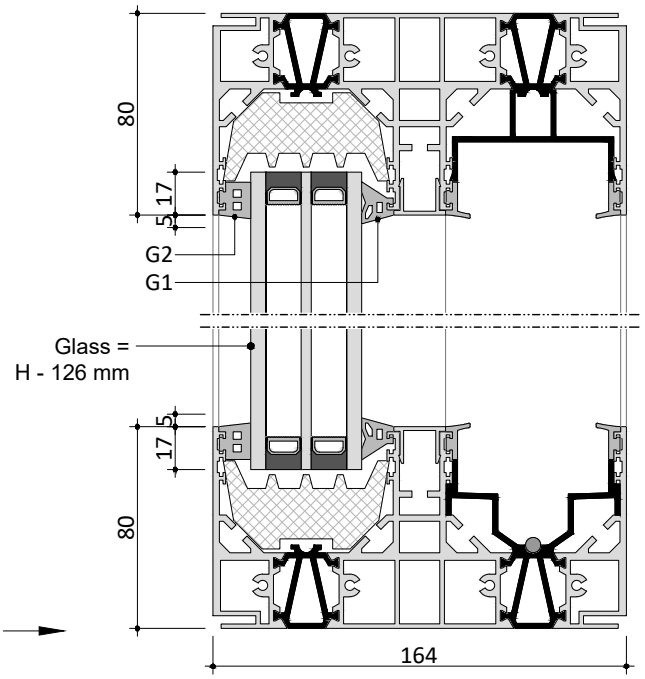


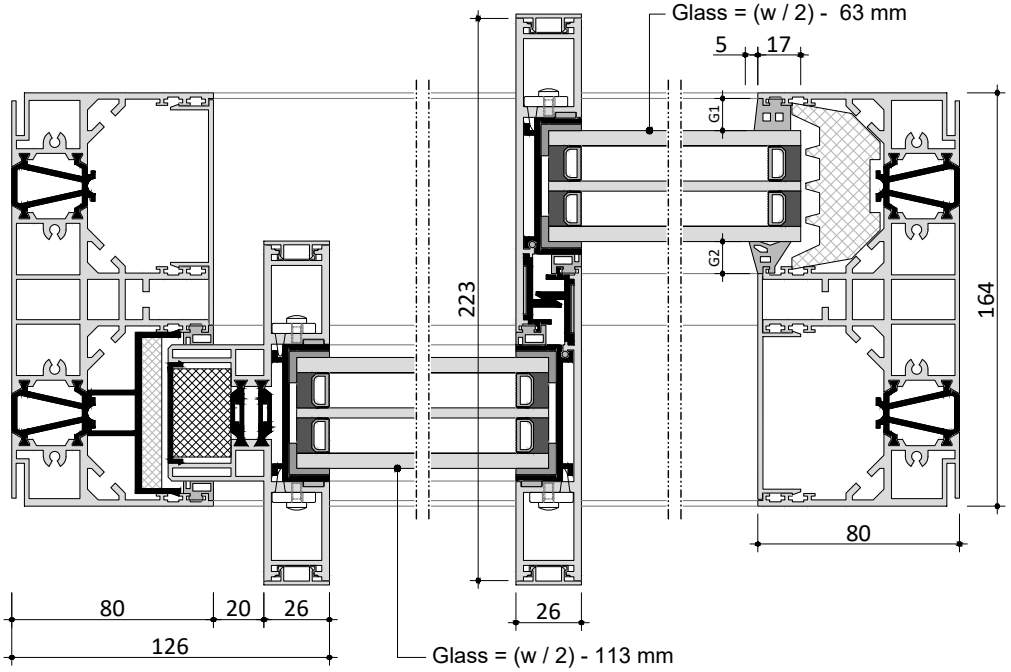

80
13
5
20
Glass =
H - 144 mm
13
20
5
80
164


Glass = (w / 2) - 63 mm
5
17
G1
G2
223
164
80
80
20
26
126
26
Glass = (w / 2) - 113 mm

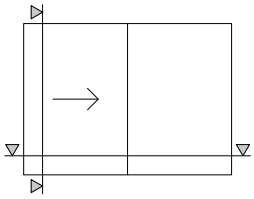


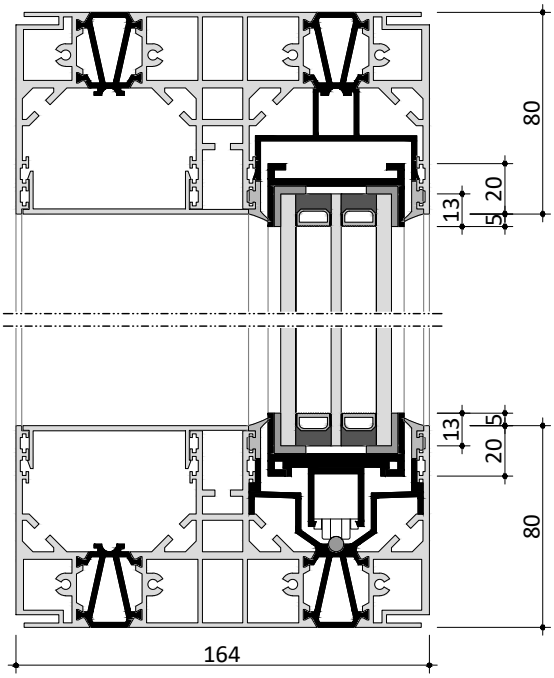
	G1	G2
34mm	15 mm	15 mm
35mm	14 mm	15 mm
36mm	14 mm	15 mm
37mm	13 mm	15 mm
38mm	13 mm	13 mm
39mm	12 mm	13 mm
40mm	12 mm	13 mm
41mm	11 mm	13 mm
42mm	11 mm	11 mm
43mm	10 mm	11 mm
44mm	10 mm	11 mm

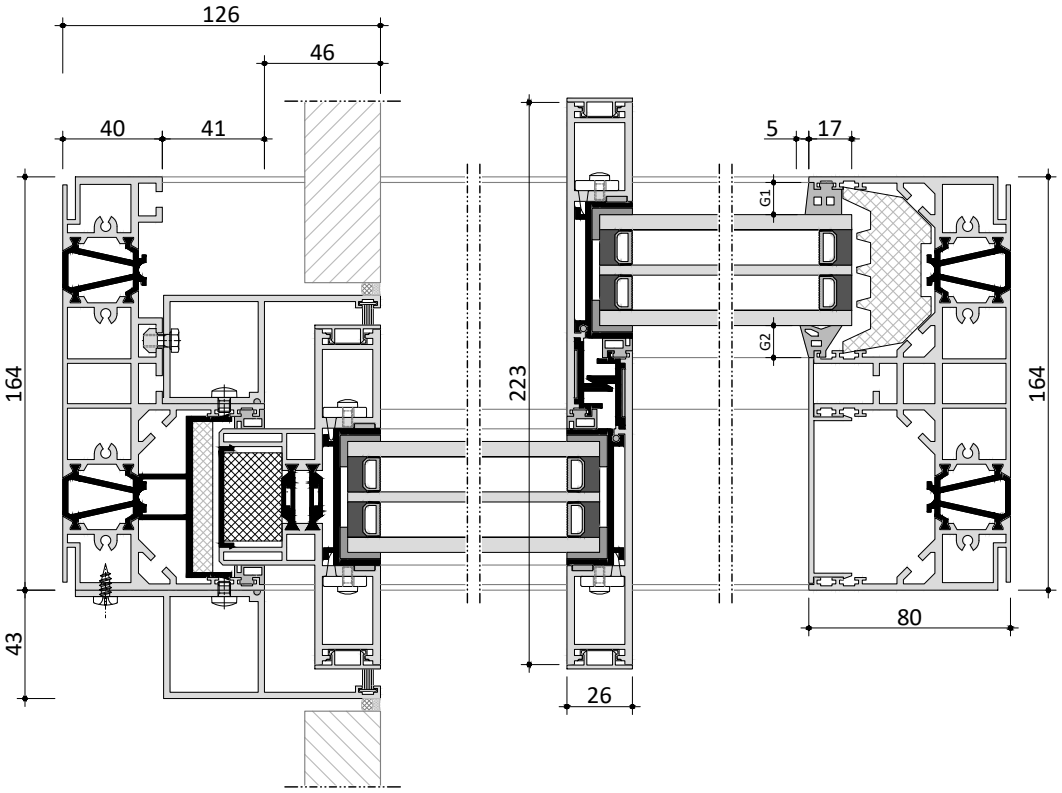




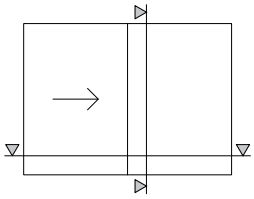
M 1:3 | view - sliding with hidden handle







M 1:3 | view - fix to hidden handle



	G1	G2
34mm	15 mm	15 mm
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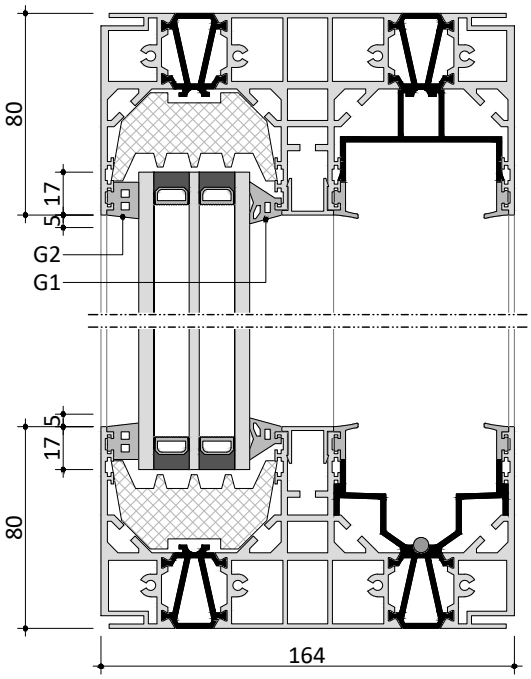
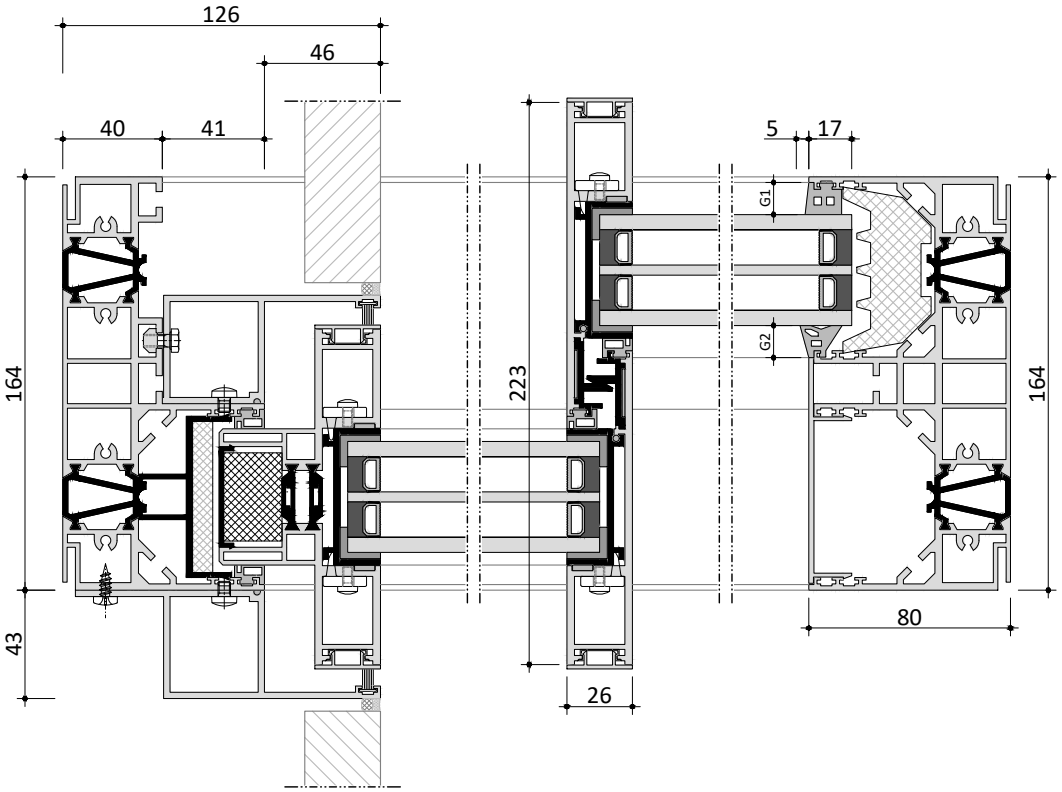
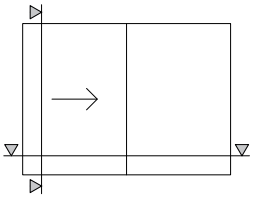
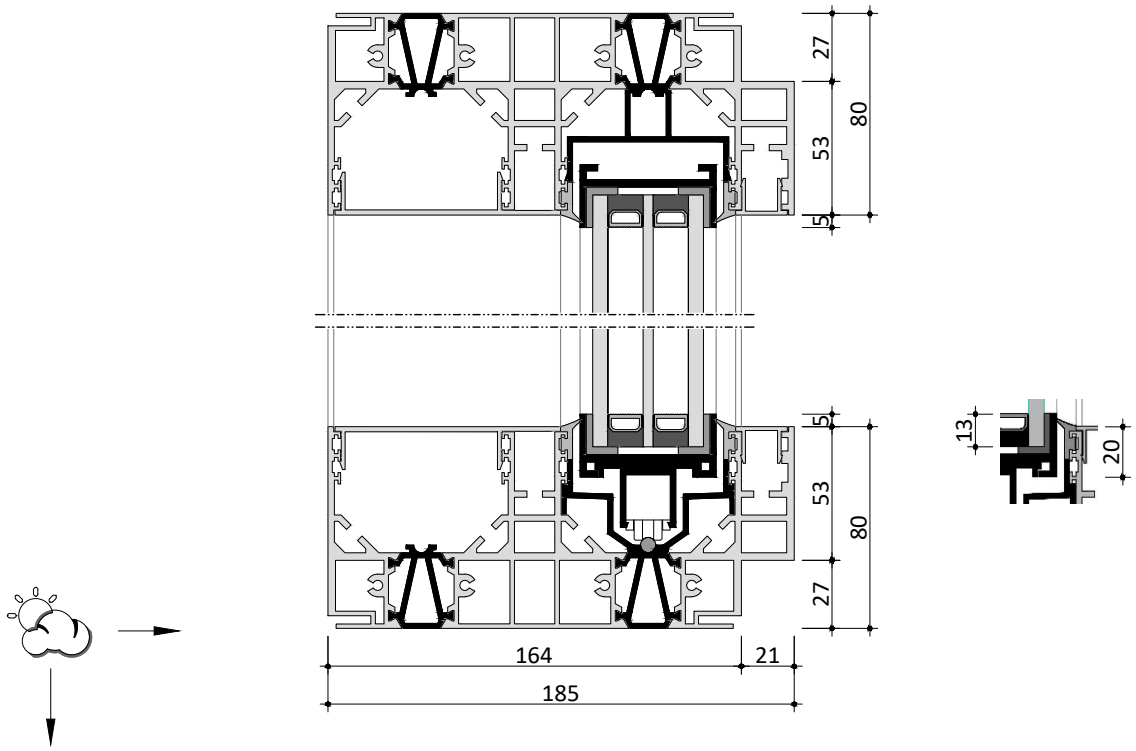
44mm	10 mm	11 mm

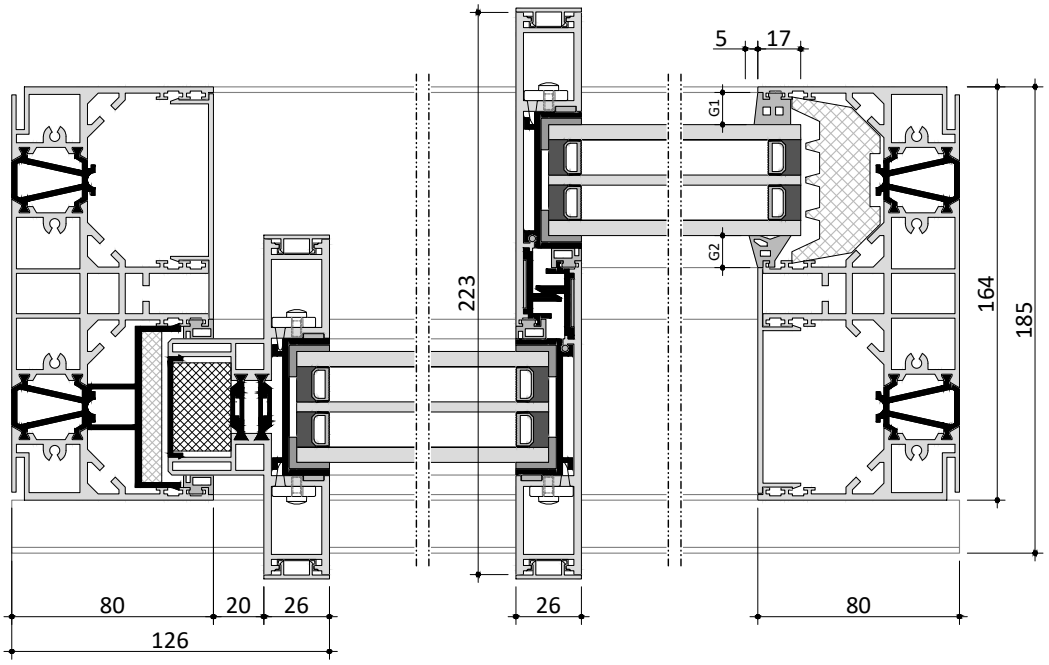


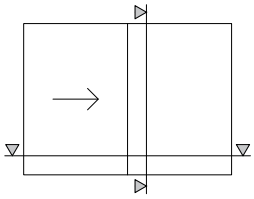


M 1:3 | view - sliding - locking groove









	G1	G2
34mm	15 mm	15 mm
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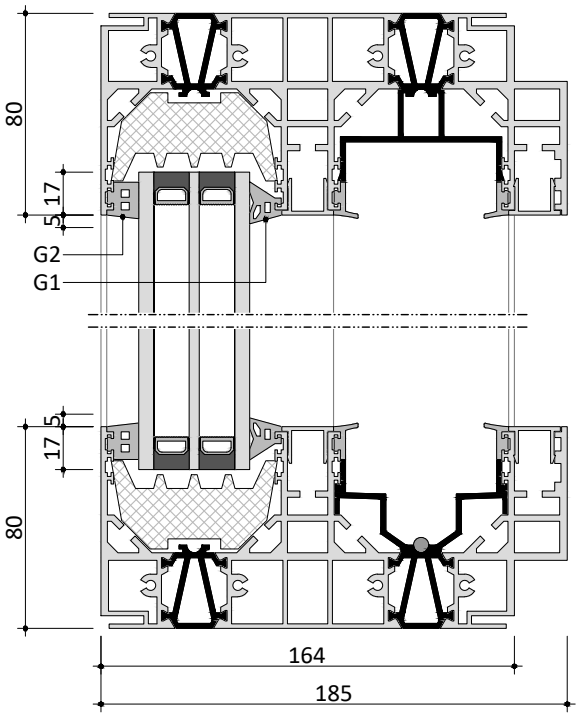
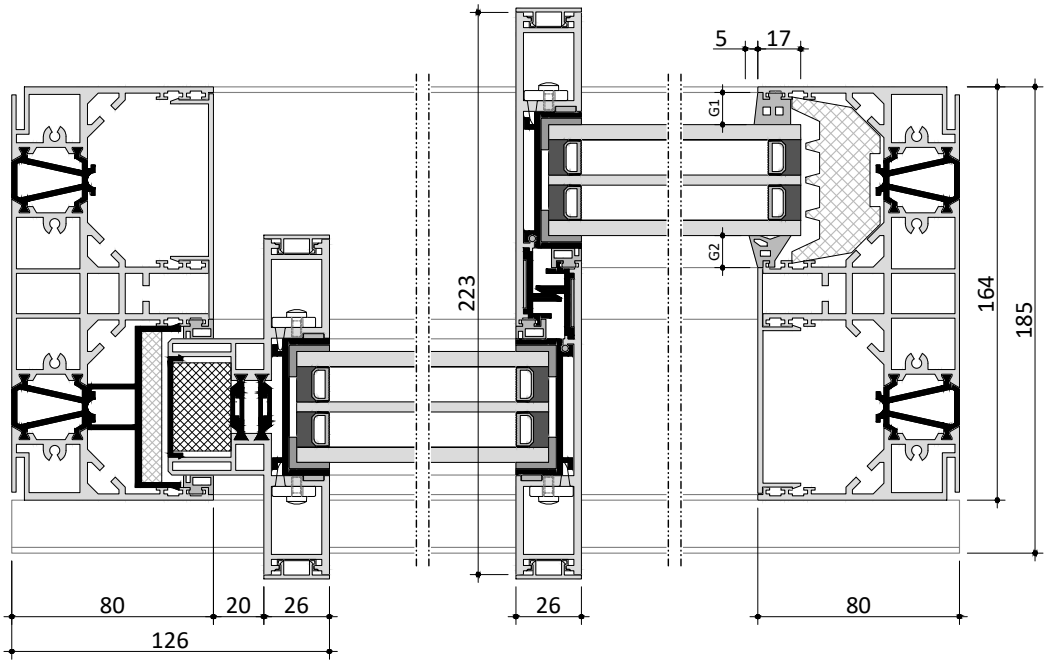
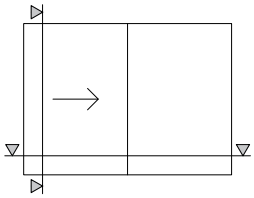
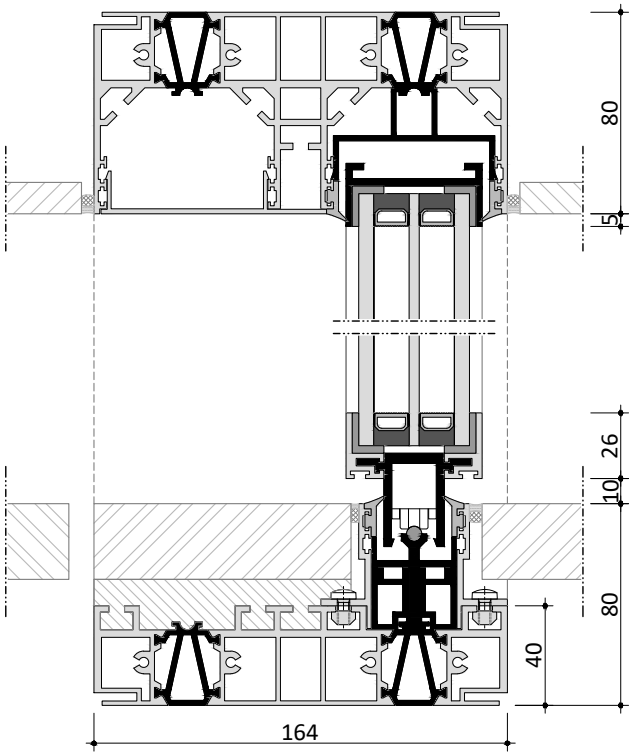
36mm	14 mm	15 mm
37mm	13 mm	15 mm
38mm	13 mm	13 mm
39mm	12 mm	13 mm
40mm	12 mm	13 mm
41mm	11 mm	13 mm
42mm	11 mm	11 mm
43mm	10 mm	11 mm
44mm	10 mm	11 mm





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10
80
40
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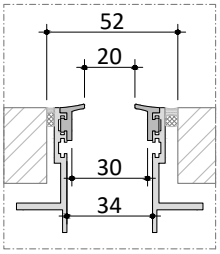
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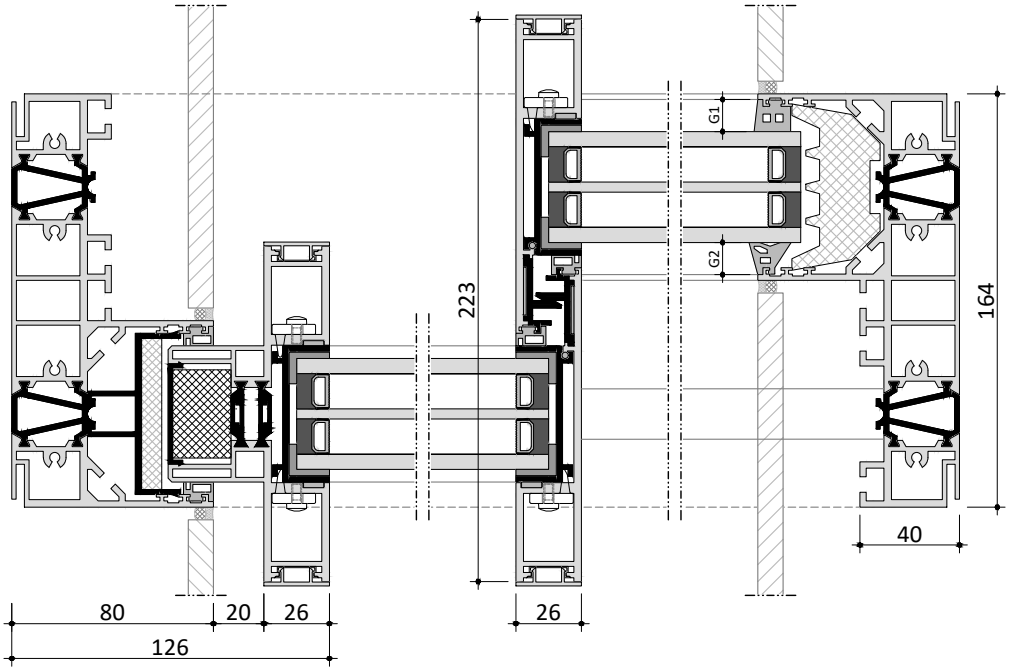
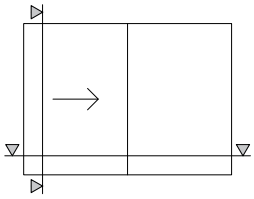
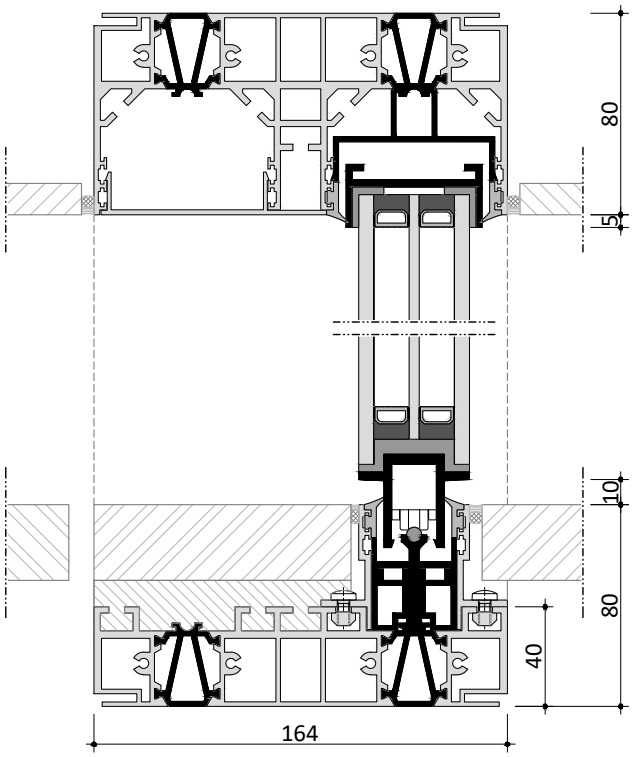
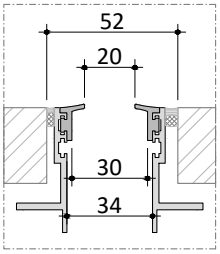
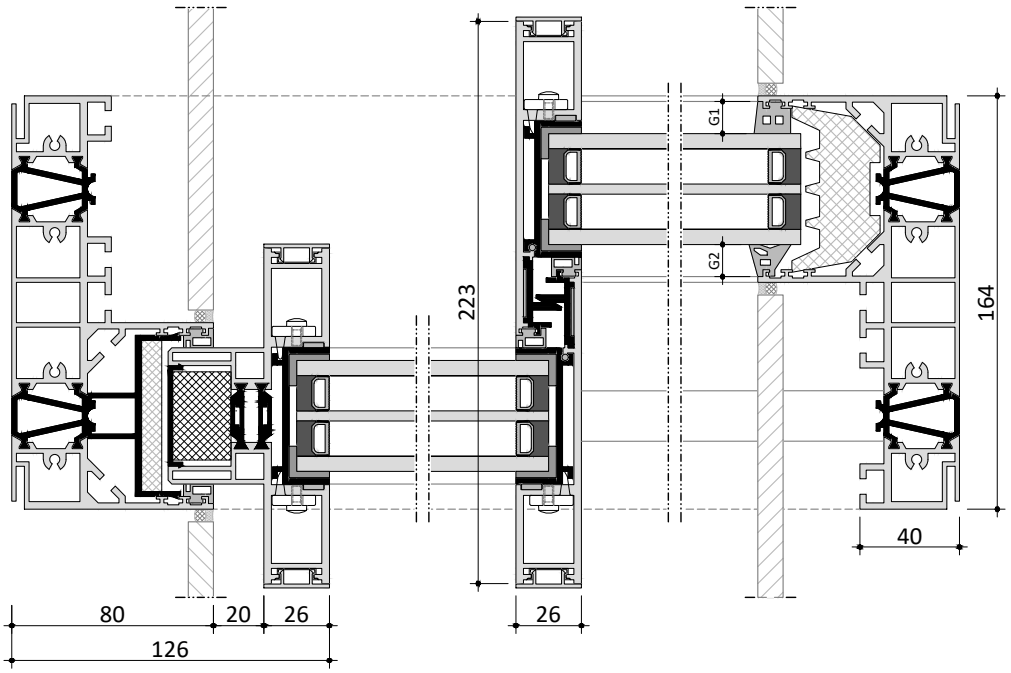

G1
G2
223
164
40
80
20
26
126
26

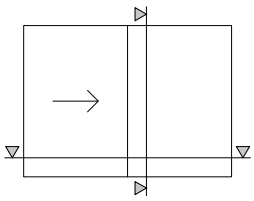
M 1:3 | floor CL - sliding











	G1	G2
34mm	15 mm	15 mm
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37mm	13 mm	15 mm
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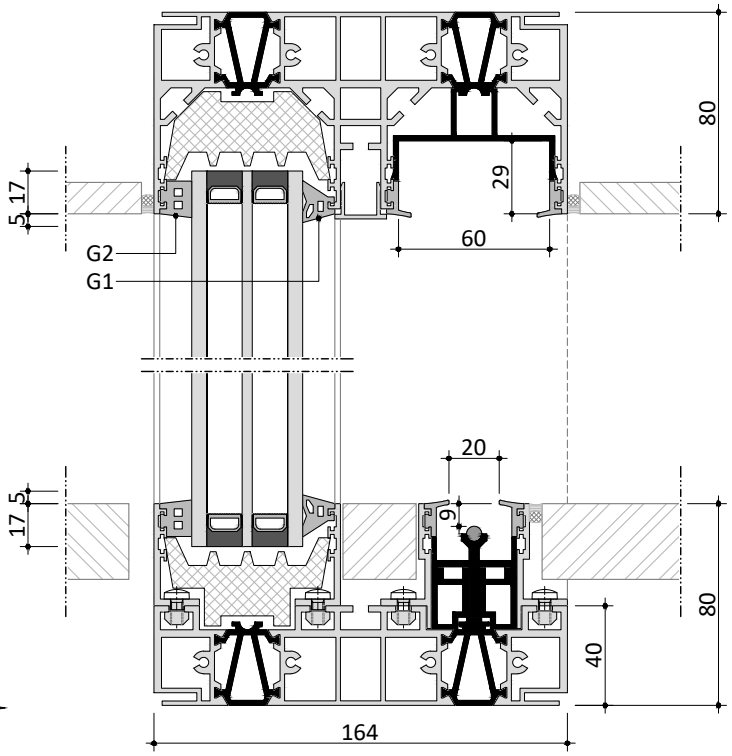
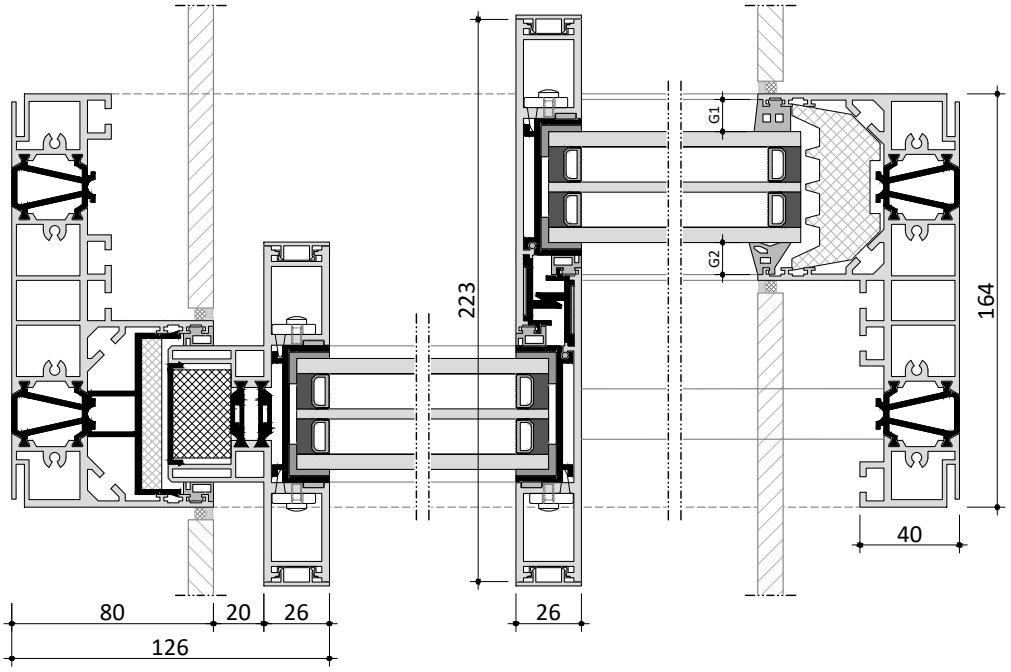
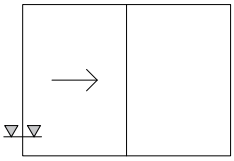
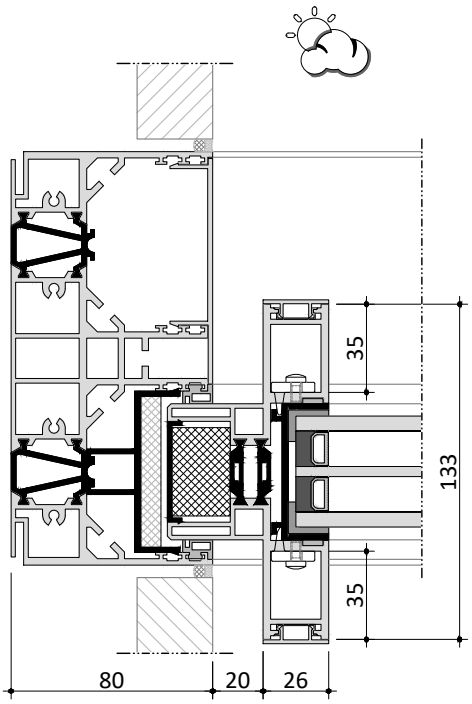
40mm	12 mm	13 mm
41mm	11 mm	13 mm
42mm	11 mm	11 mm
43mm	10 mm	11 mm
44mm	10 mm	11 mm

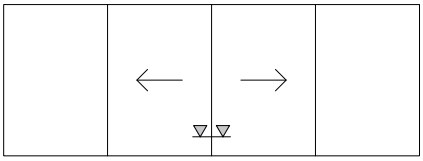


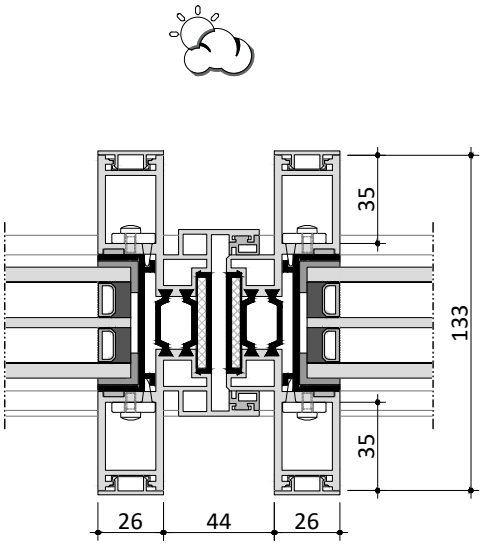




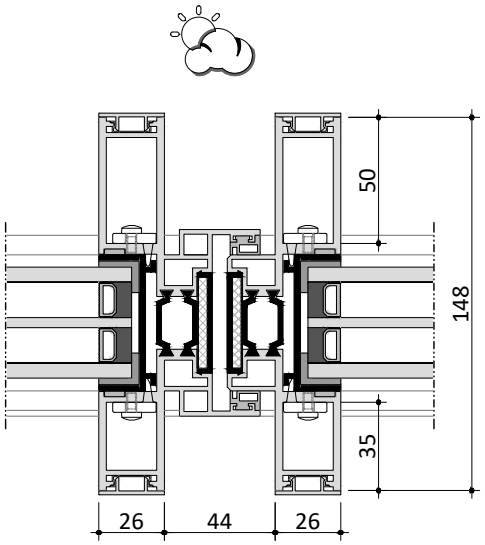


G4

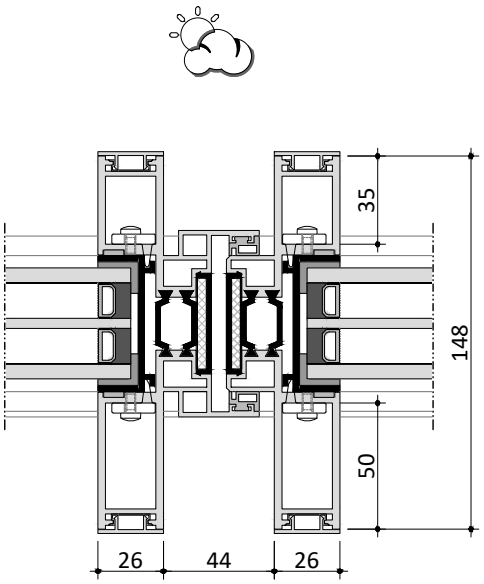




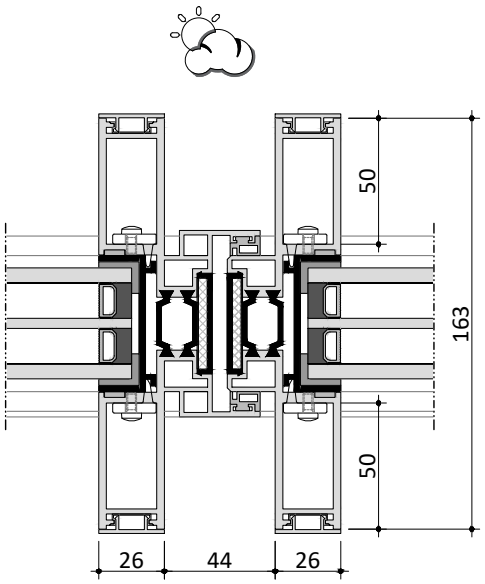
ST4 - G4S



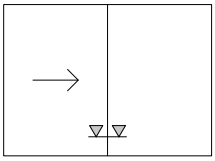
ST5 - G5S

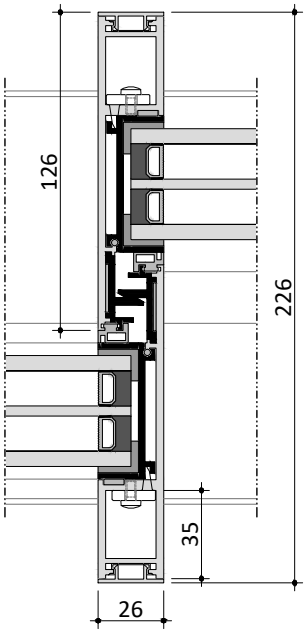


ST6 - G6S

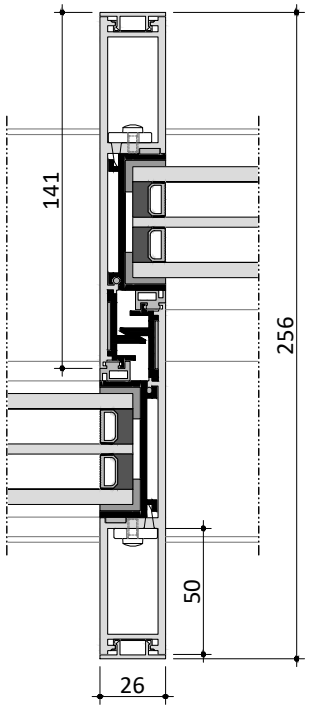


ST7 - G7S





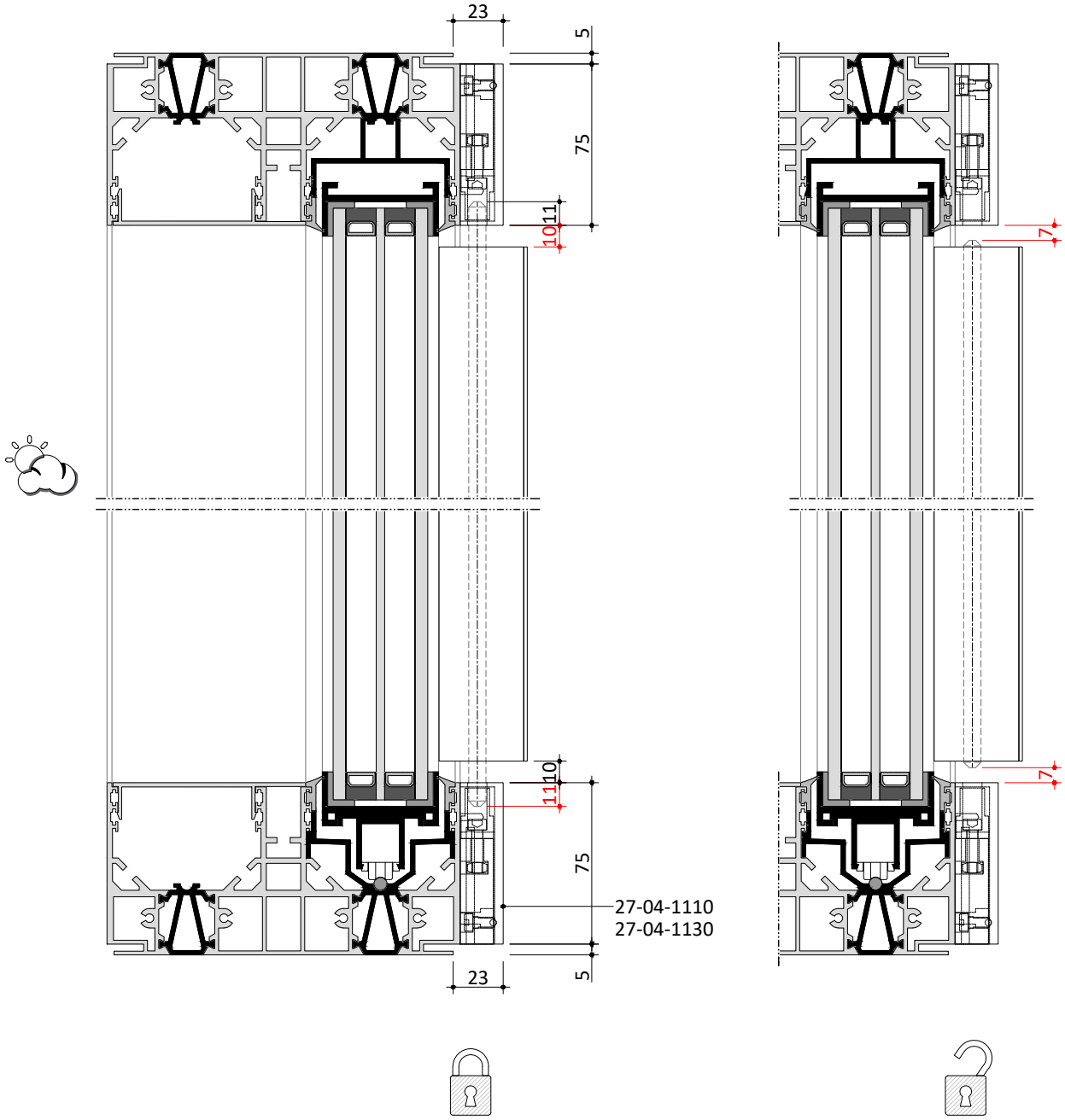
ZK-1



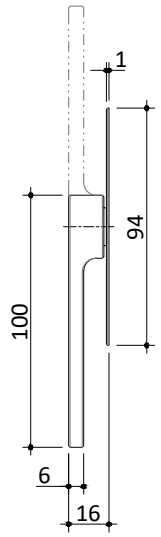
ZK-2

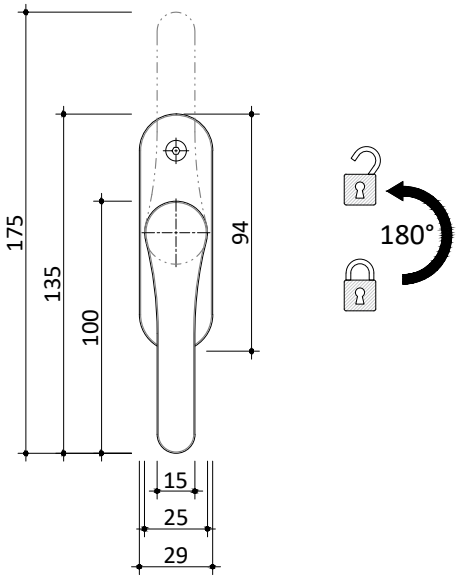
type 1

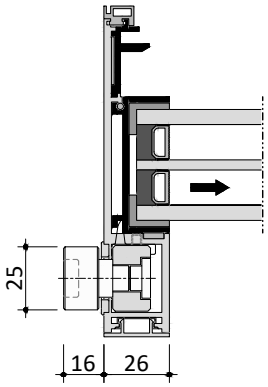
type 1a

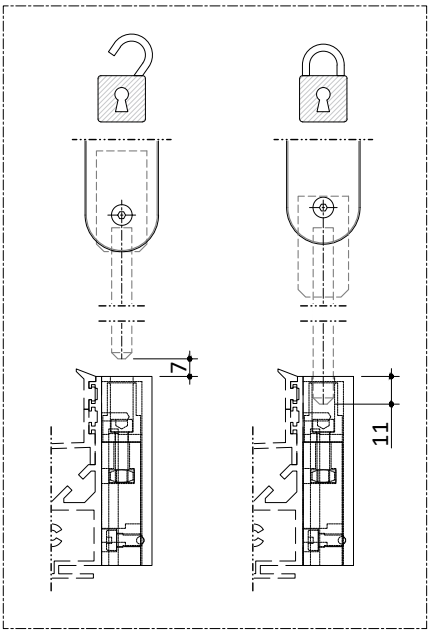

23
5
75
11
10
7
7
10
11
75
27-04-1110
27-04-1130
23
5

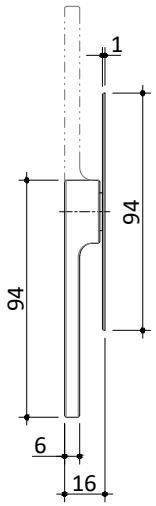
M 1:3 | **locking - handle type 1**

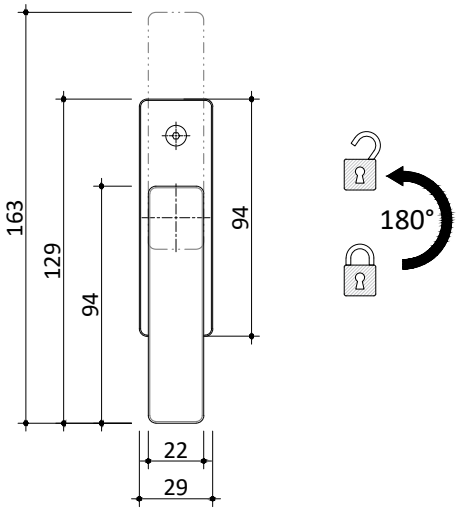


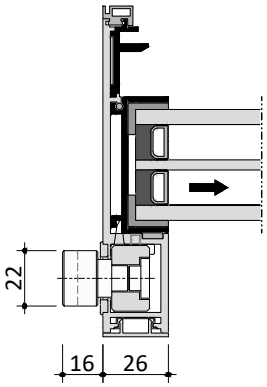


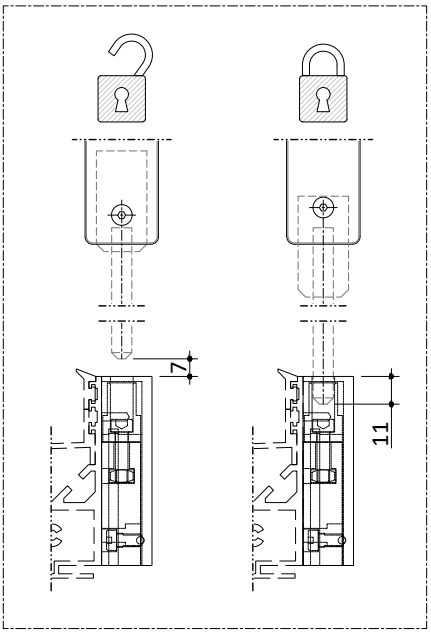





1
94
94
6
16


163
129
94
94
22
29
180°


22
16
26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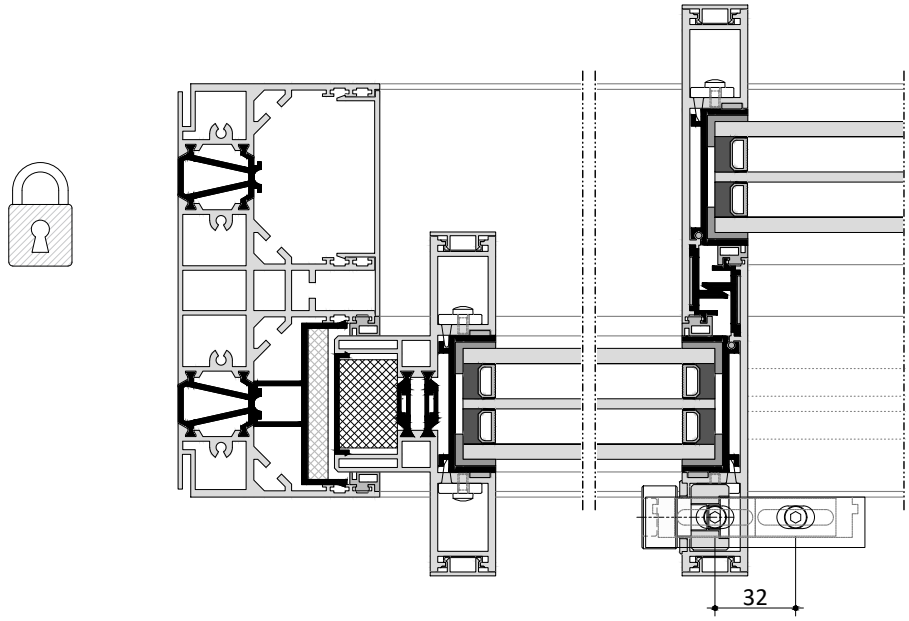
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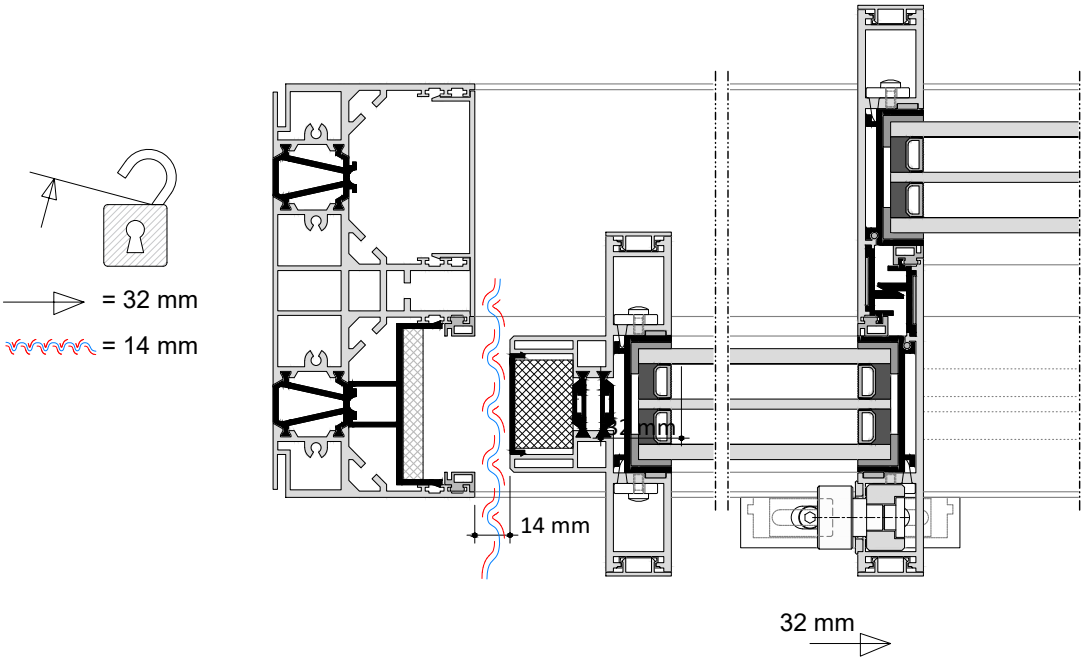
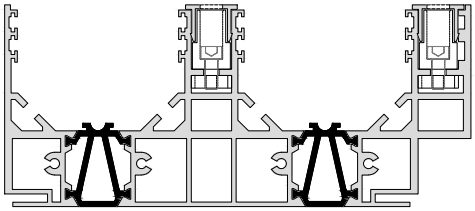
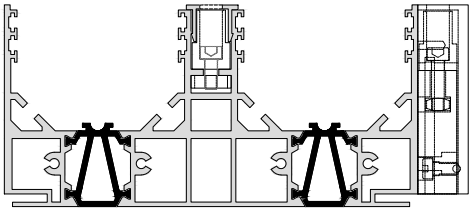

= 32 mm
= 14 mm
14 mm
32 mm

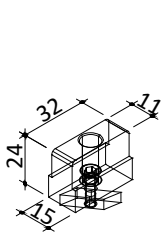
built-in | built up

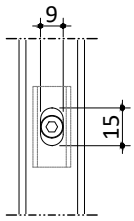


outer frame
standard

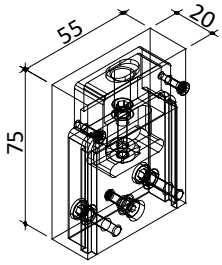


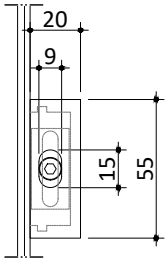
outer frame
with locking groove



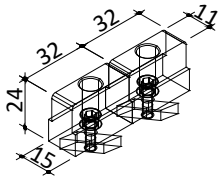


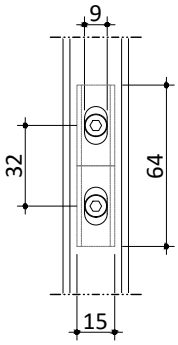
built-in simple



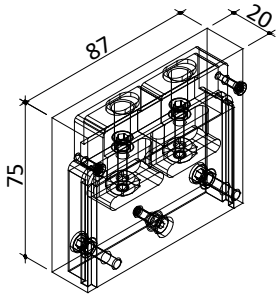


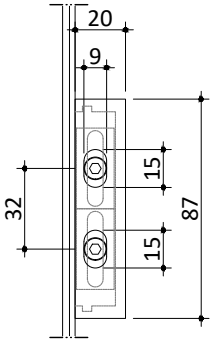
built up simple



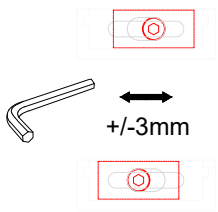


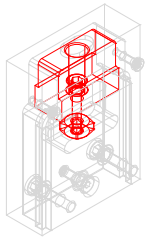
built-in slot aeration



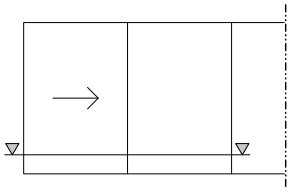


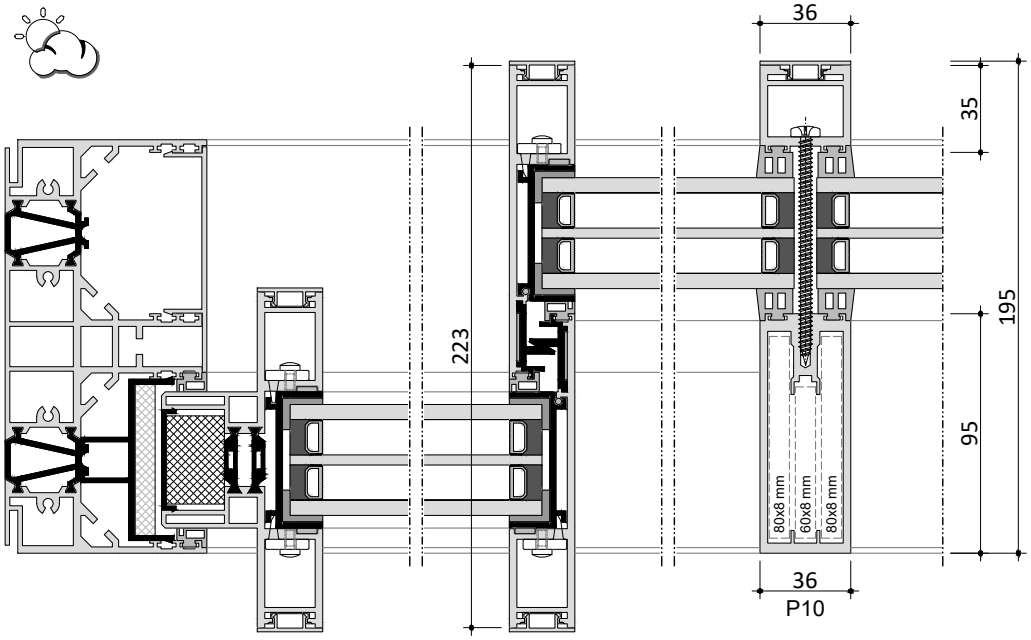
built up slot aeration





adjustment +/-3 mm (*)
(*) even after full installation and finish



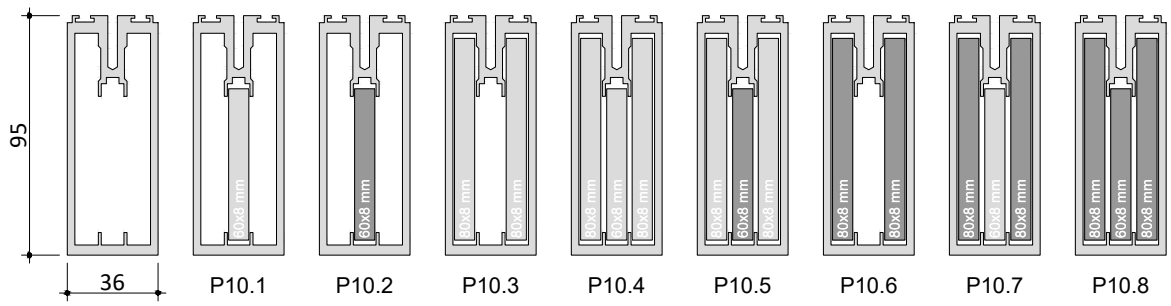


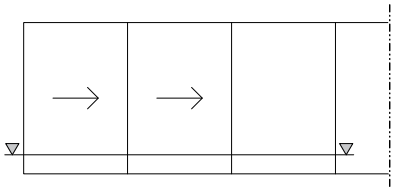
30-01-060x08 (alu)
60x8 mm

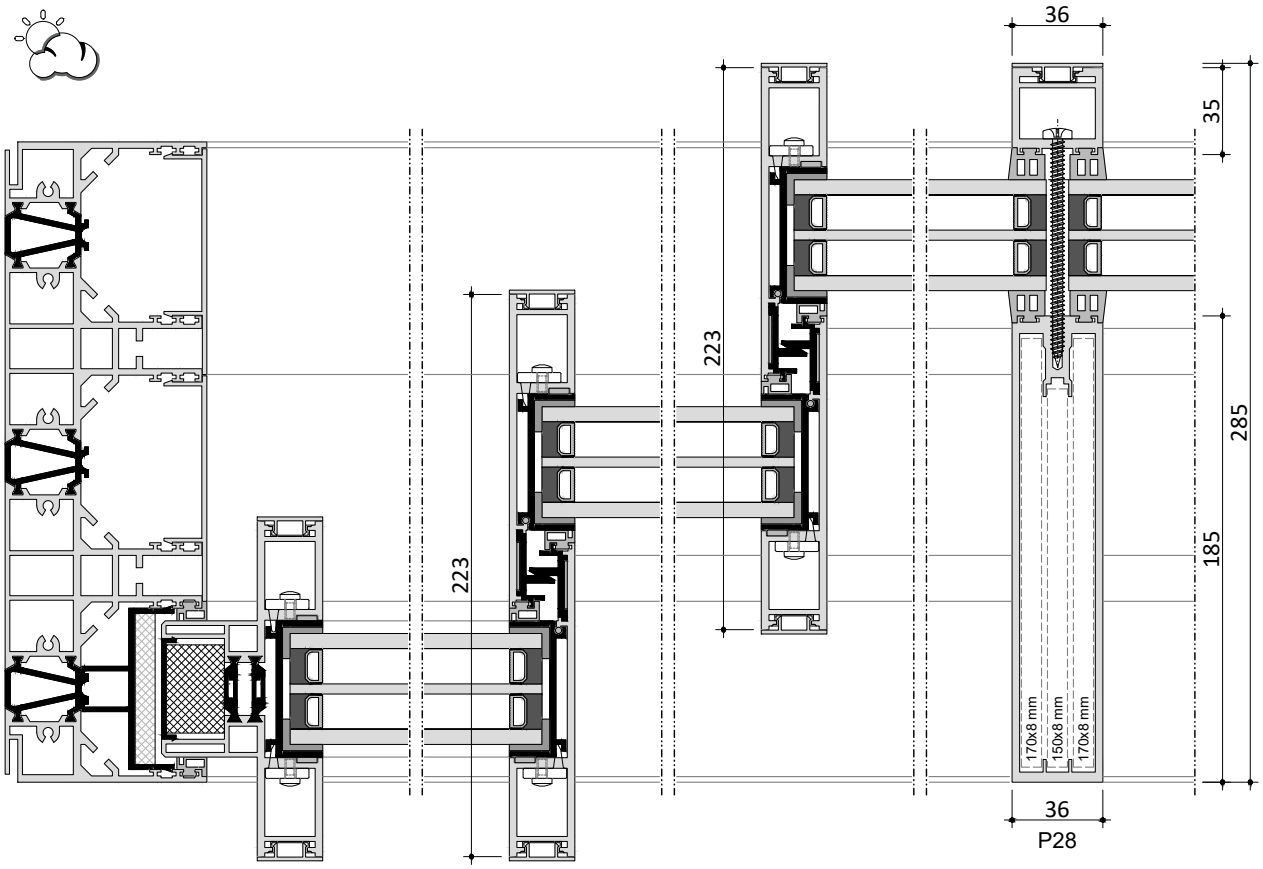
34-01-060x08 (stainless steel)
60x8 mm

30-01-080x08 (alu)
80x8 mm

34-01-080x08 (stainless steel)
80x8 mm





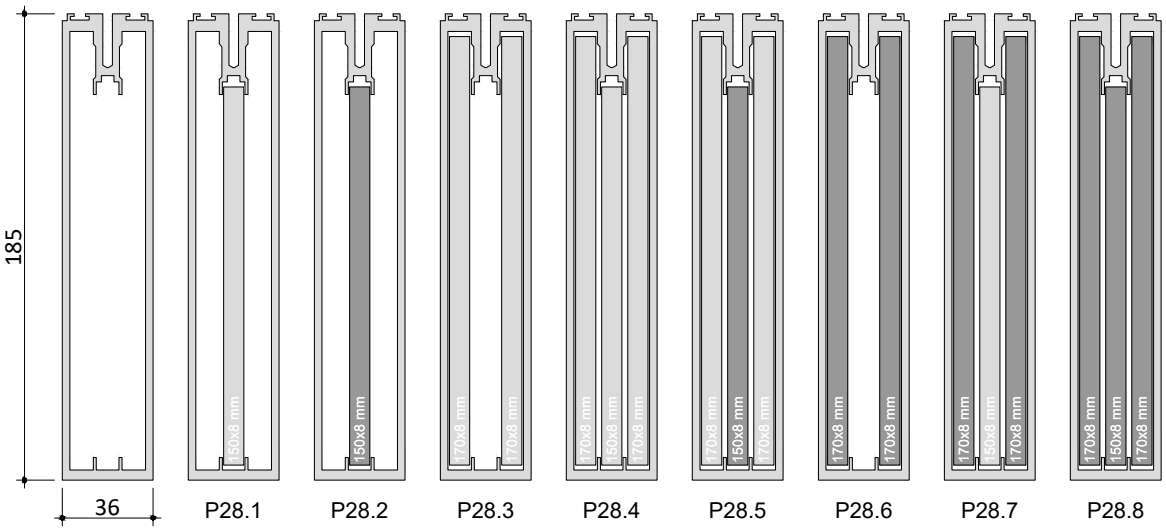


30-01-150x08 (alu)
150x8 mm

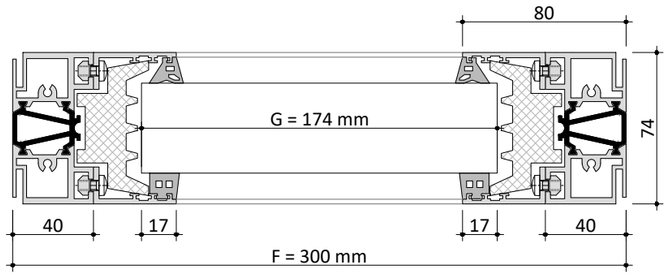
34-01-150x08 (stainless steel)
150x8 mm

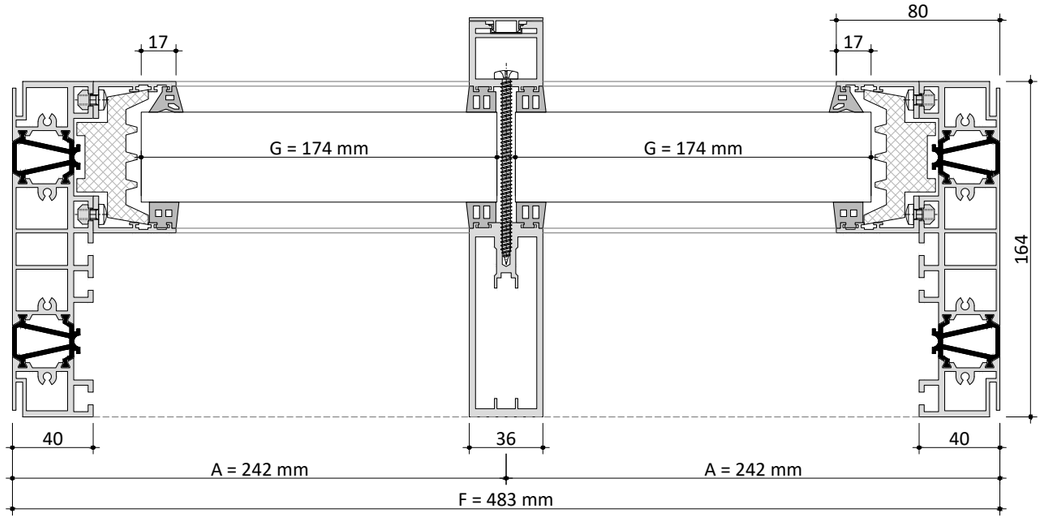
30-01-170x08 (alu)
170x8 mm

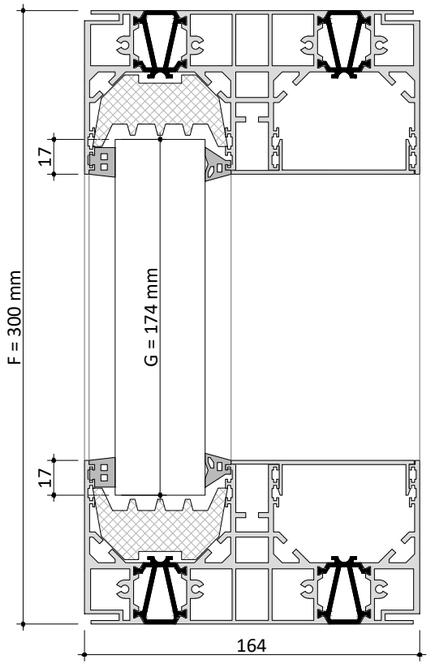
34-01-170x08 (stainless steel)
170x8 mm

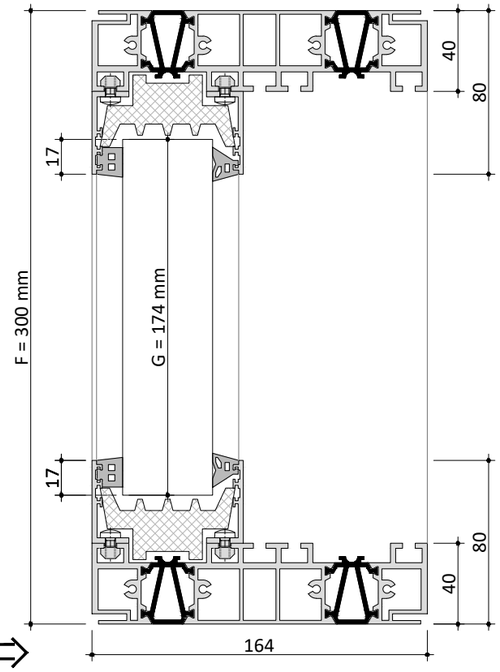


LEGENDE
F = Outer frame dimensions
L = Leaf dimensions
G = Glass dimensions
A = Axis









The main purpose of this cross-section is that the compositions are drawn and that the cross-sections are made to the desired size in AutoCAD by means of stretching.

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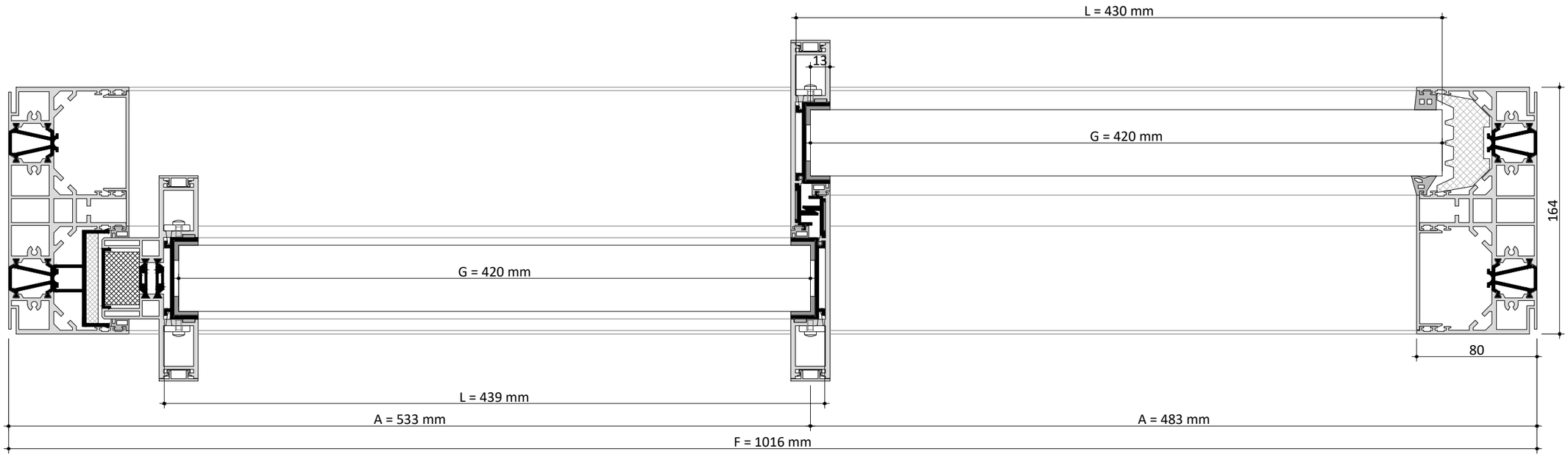

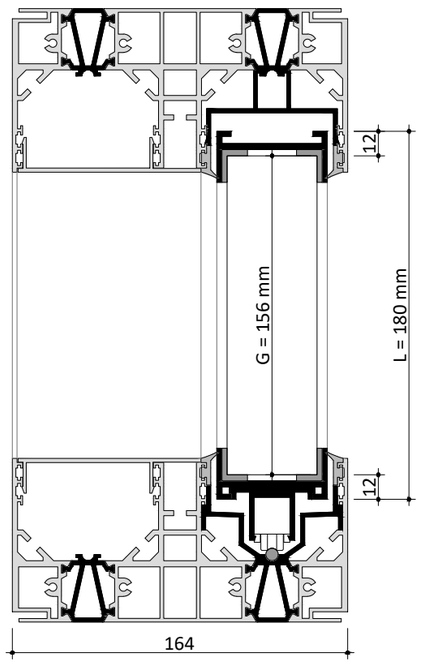

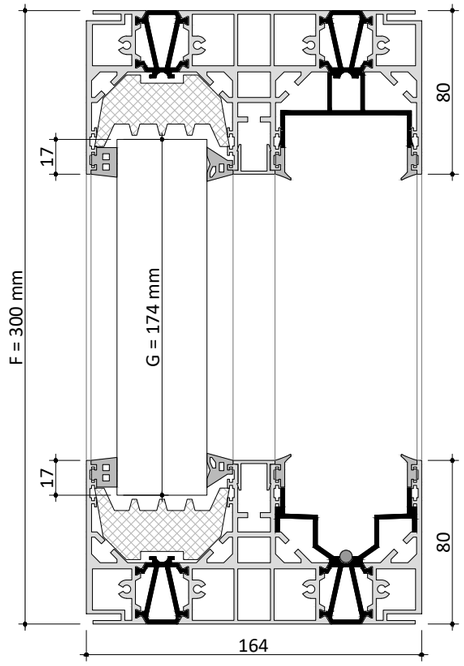

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LEGENDE
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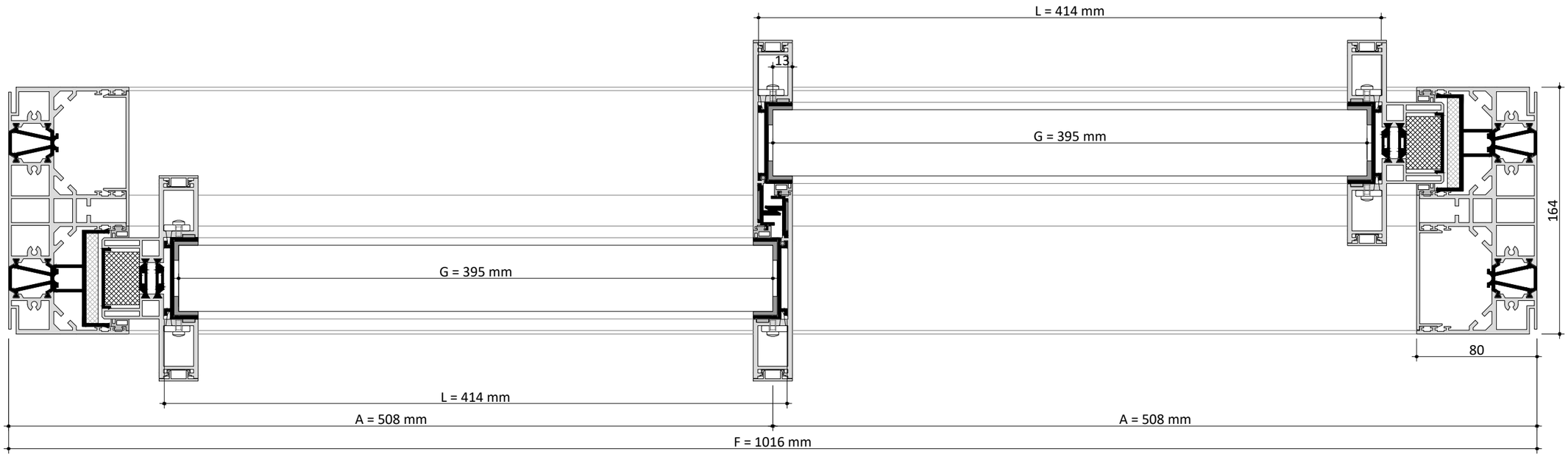
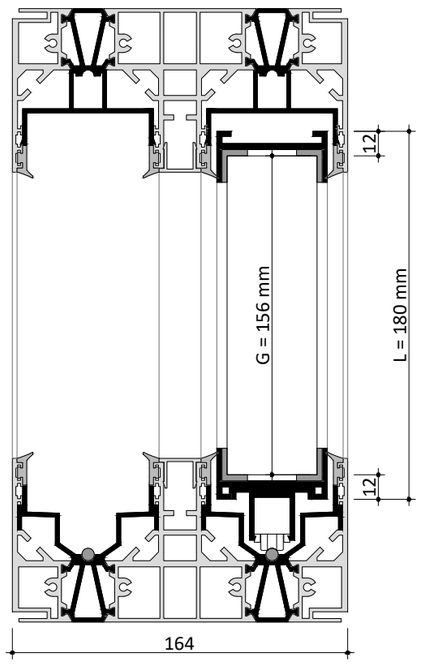
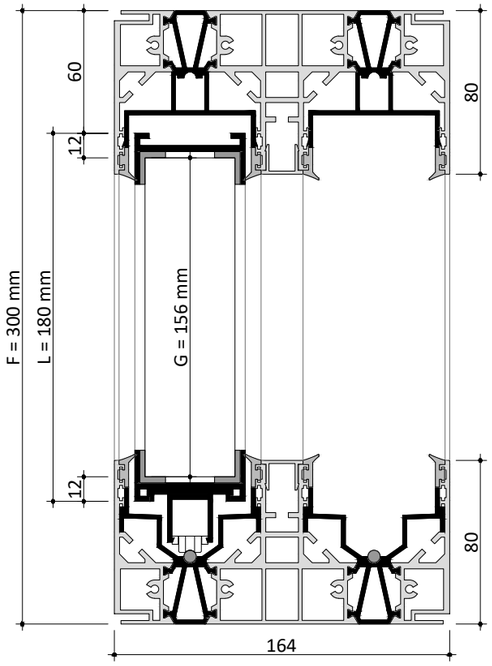
G = Glass dimensions
A = Axis







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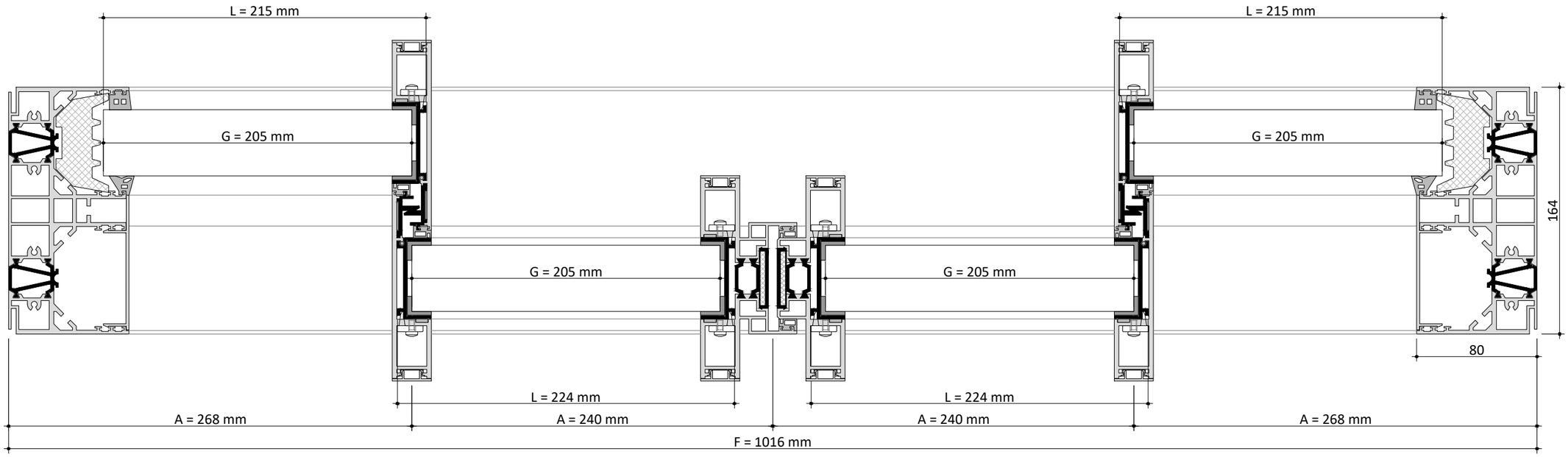

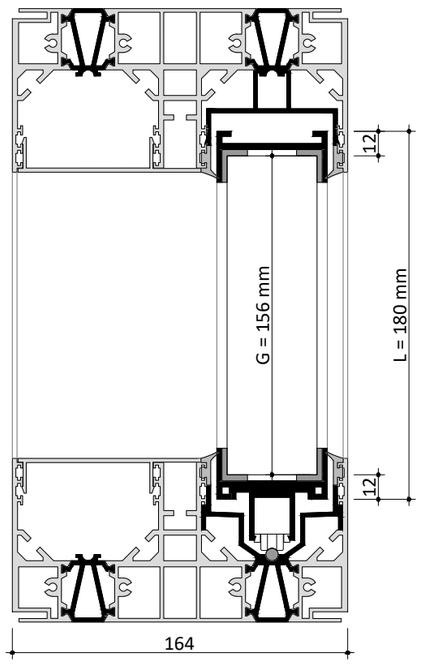

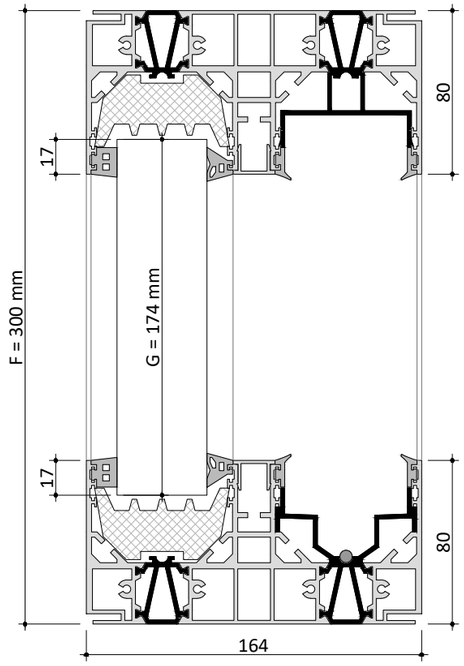

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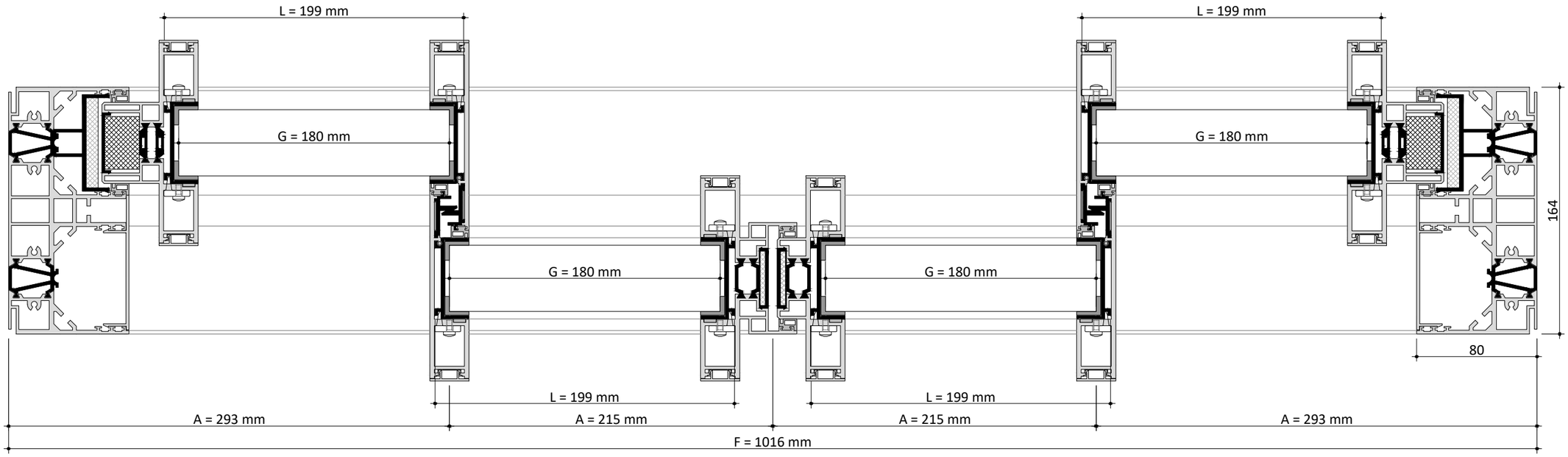

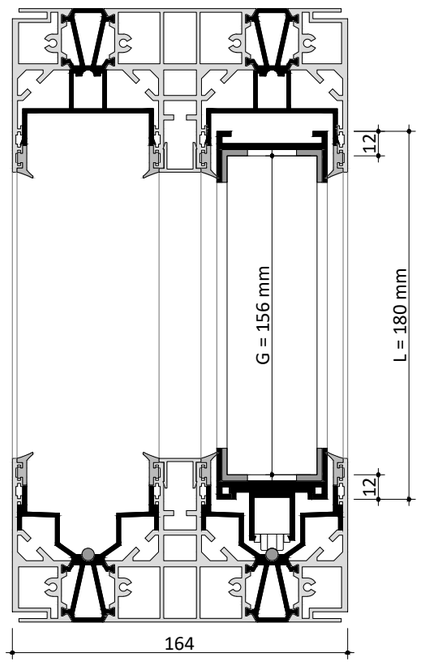

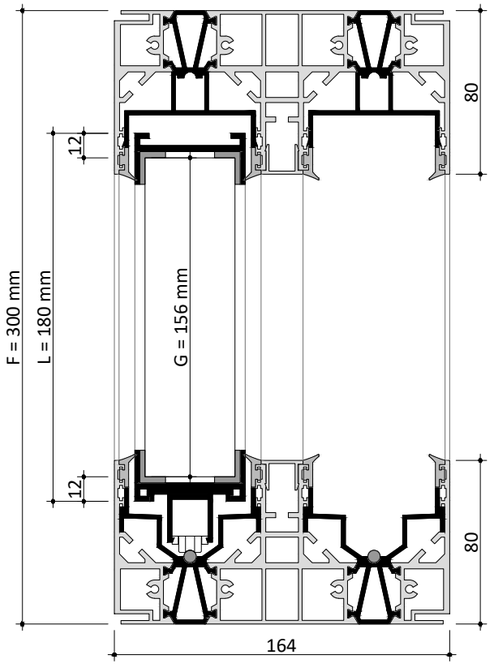

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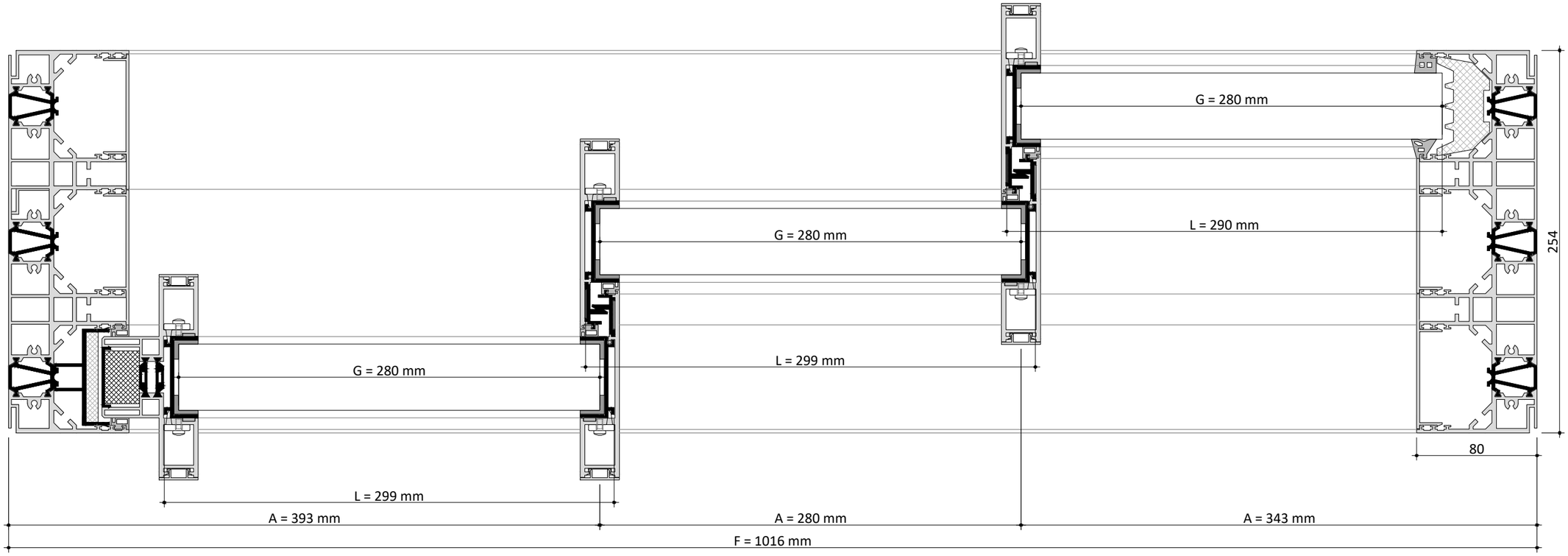

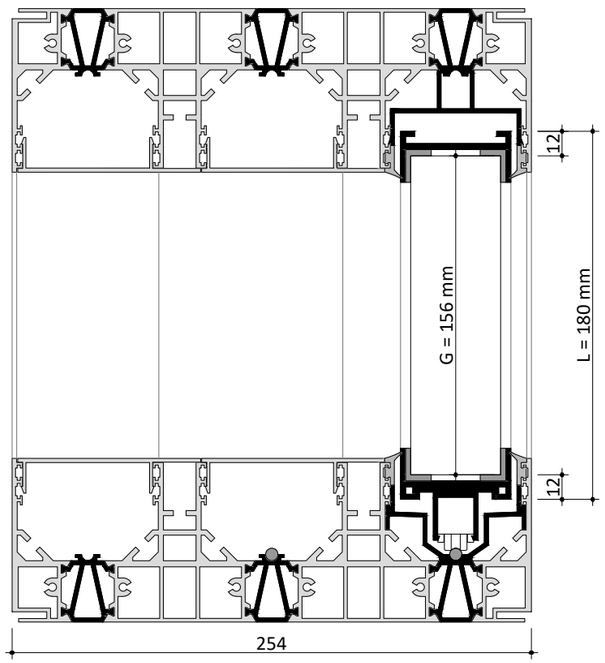

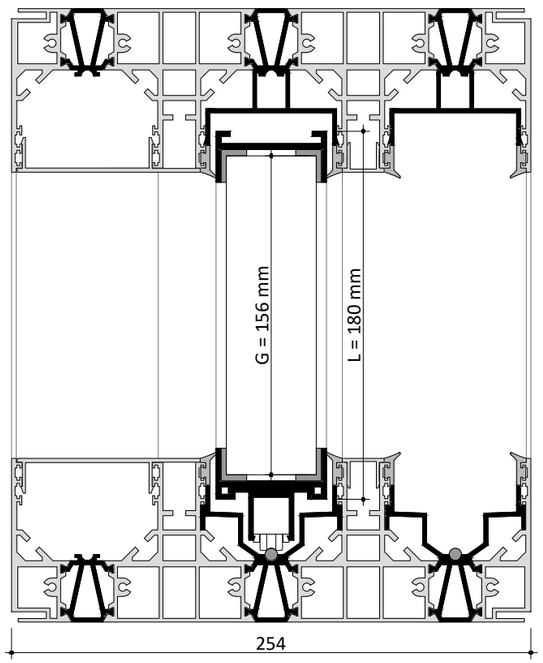

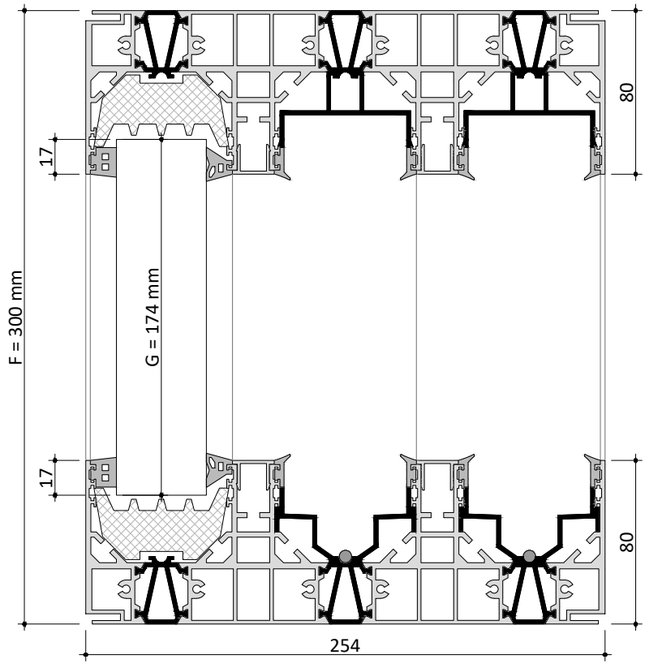

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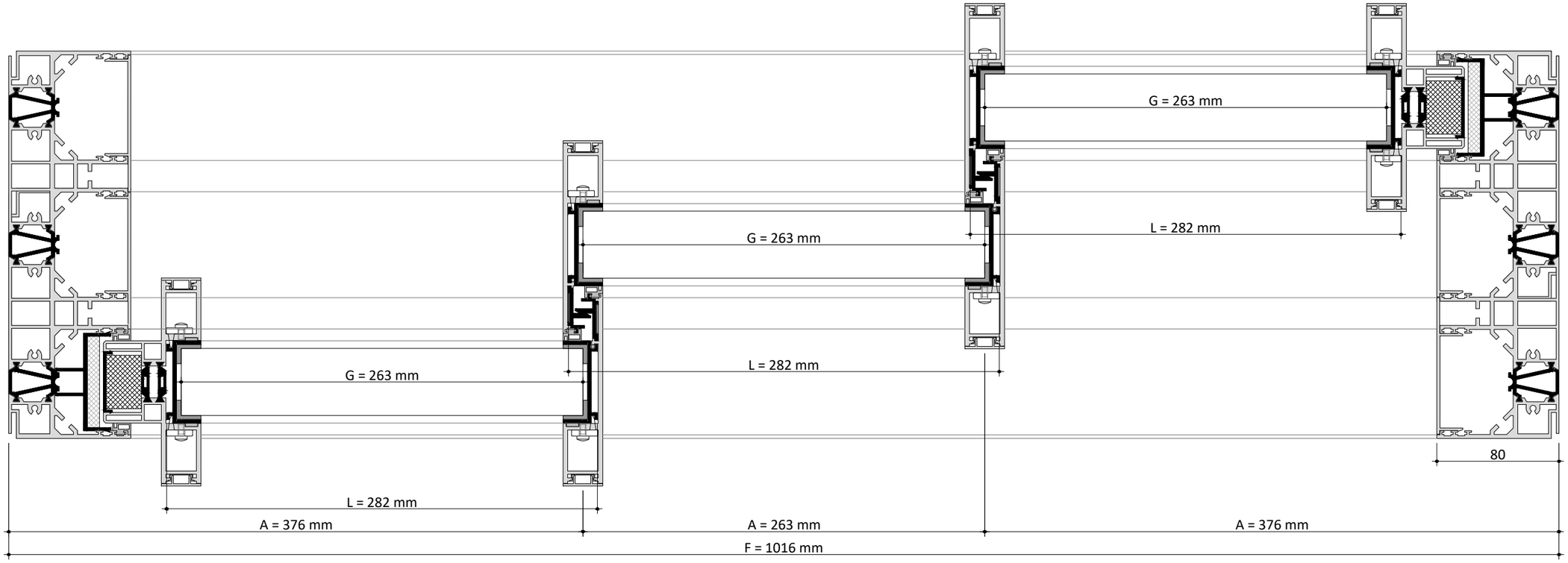
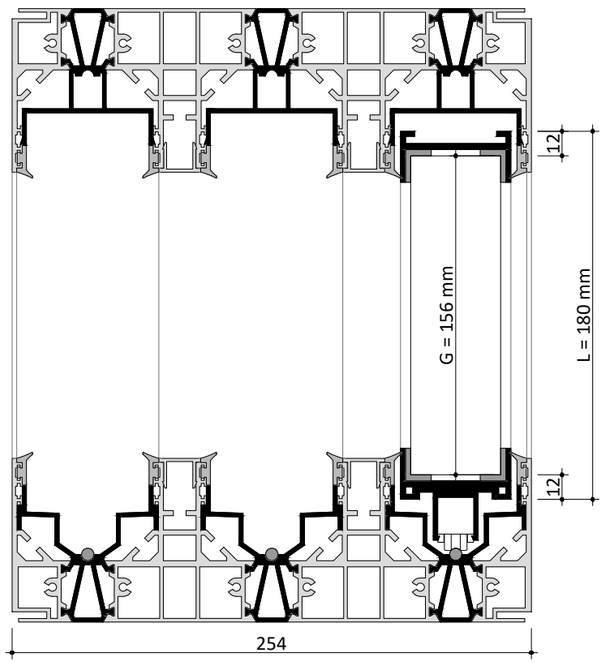
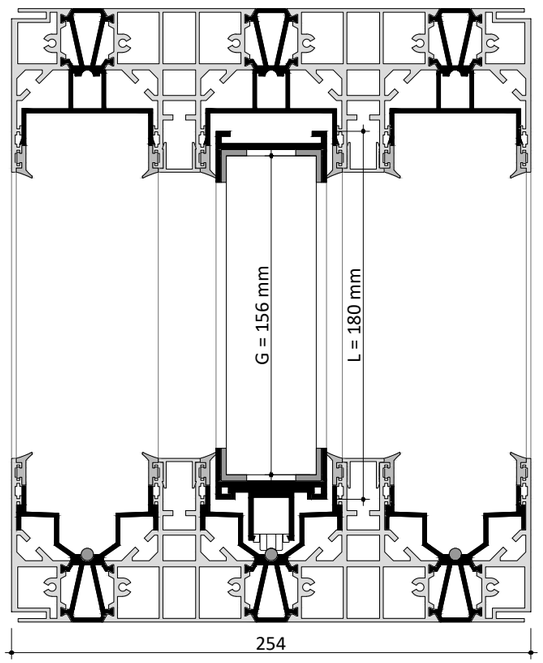
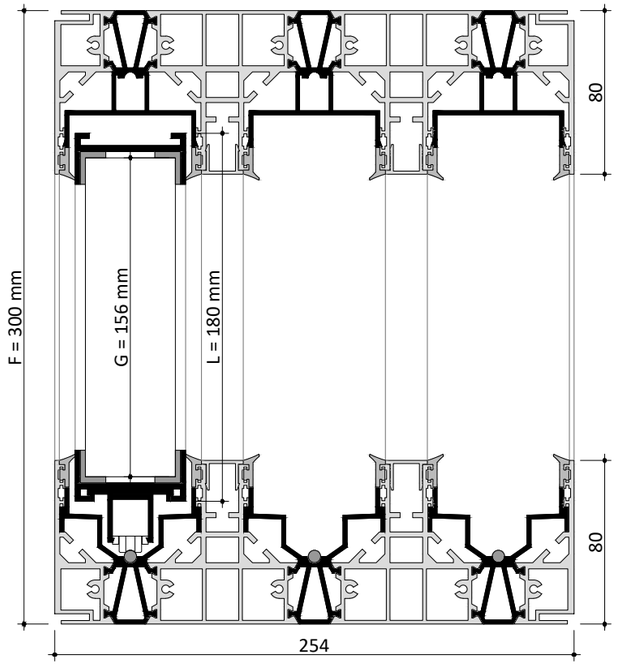


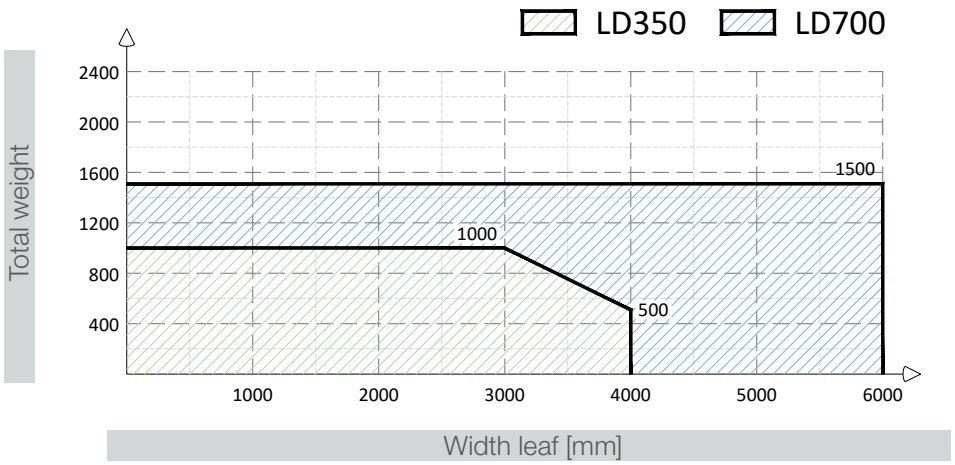




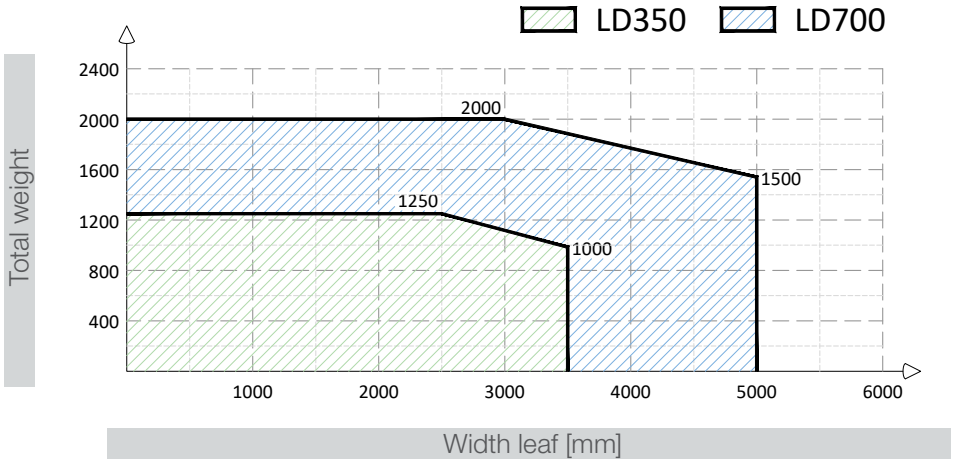


The main purpose of this cross-section is that the compositions are drawn and that the cross-sections are made to the desired size in AutoCAD by means of stretching.

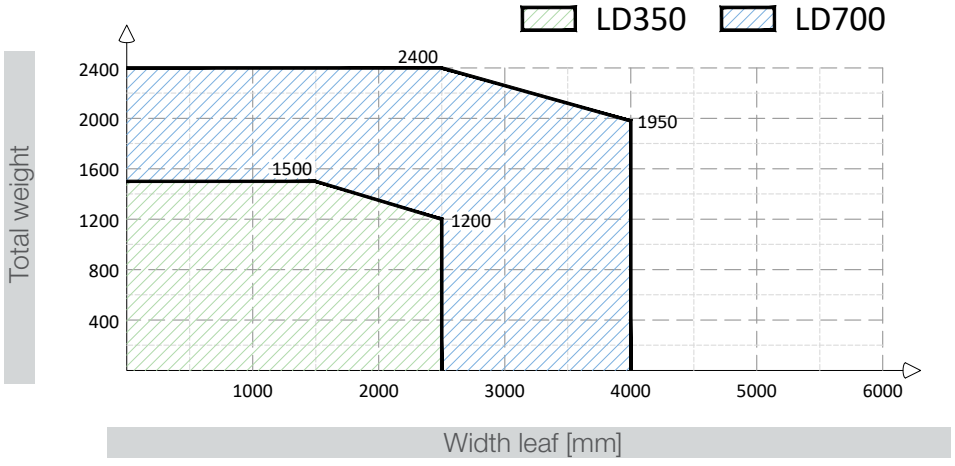
1 Leaf

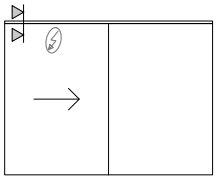


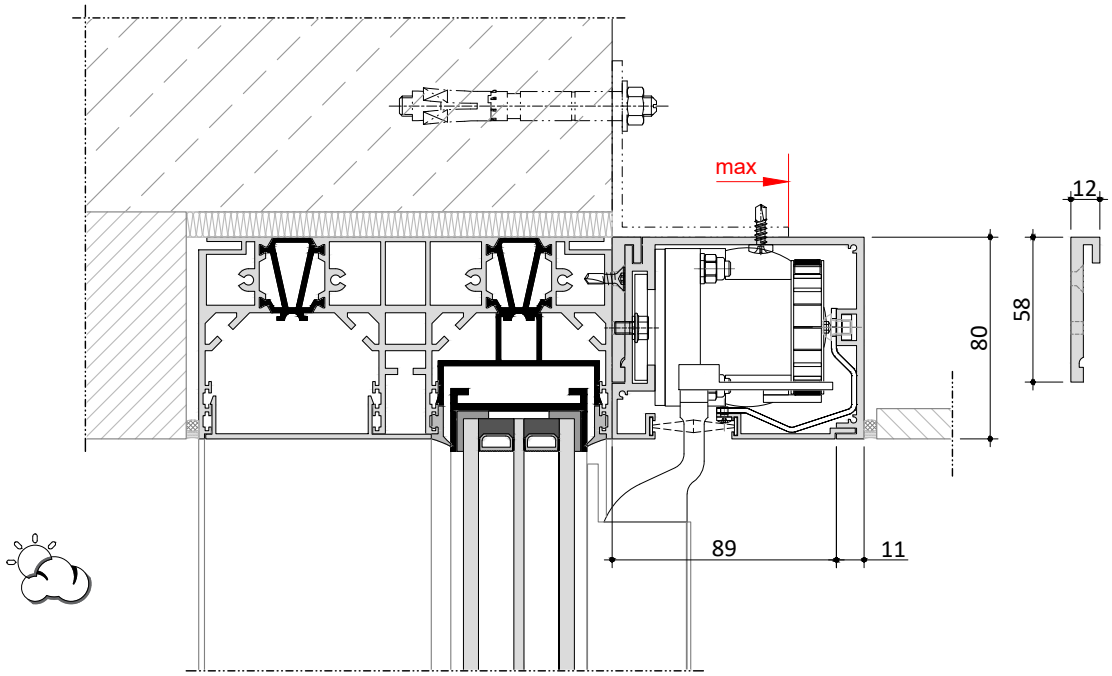
2 Leaf

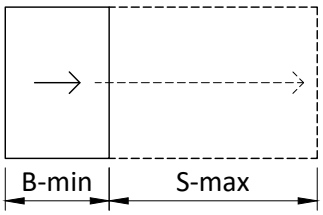


3 Leaf





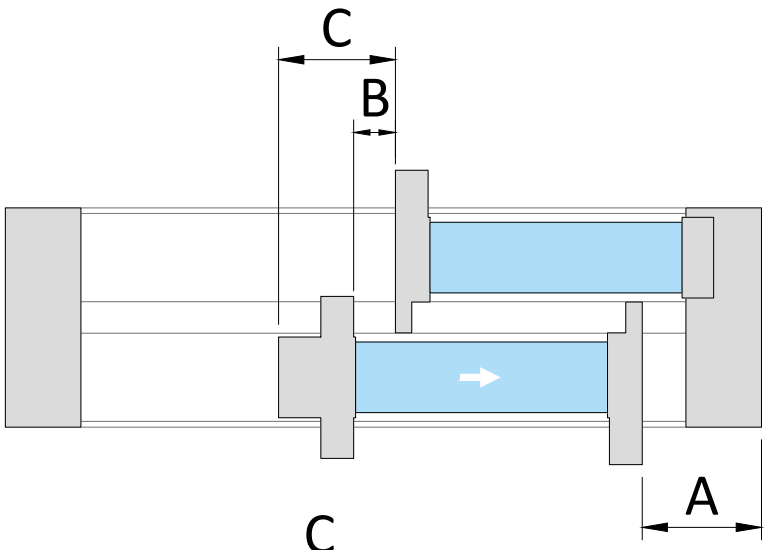




B-min
LD350 = 1.400 mm
LD700 = 1.400 mm
S-Max =
LD350 = 10.000 mm
LD700 = 12.000 mm

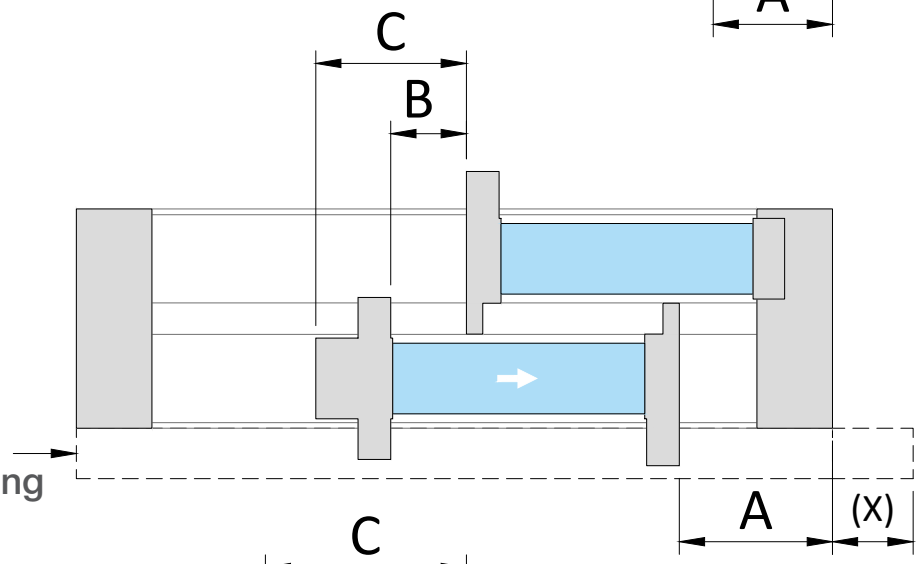
M 1:3 **Opening width of the drive way (*)**

(*) Measures with equal glass dimensions



Without electrical opening

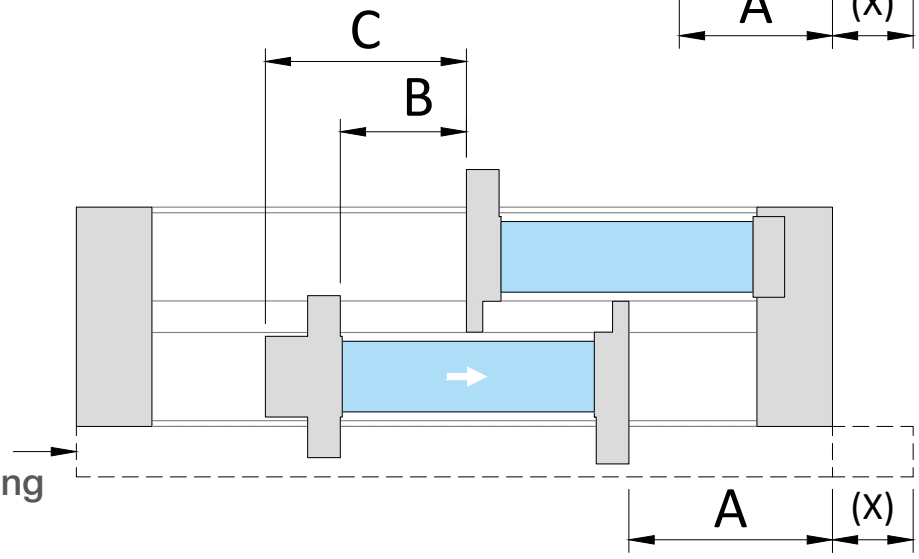
A = 60 mm
B = 20 mm
C = 75 mm



With LD350

A = 130 mm
B = 90 mm
C = 145 mm

motor housing

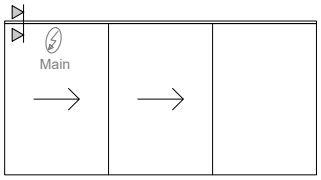


With LD700

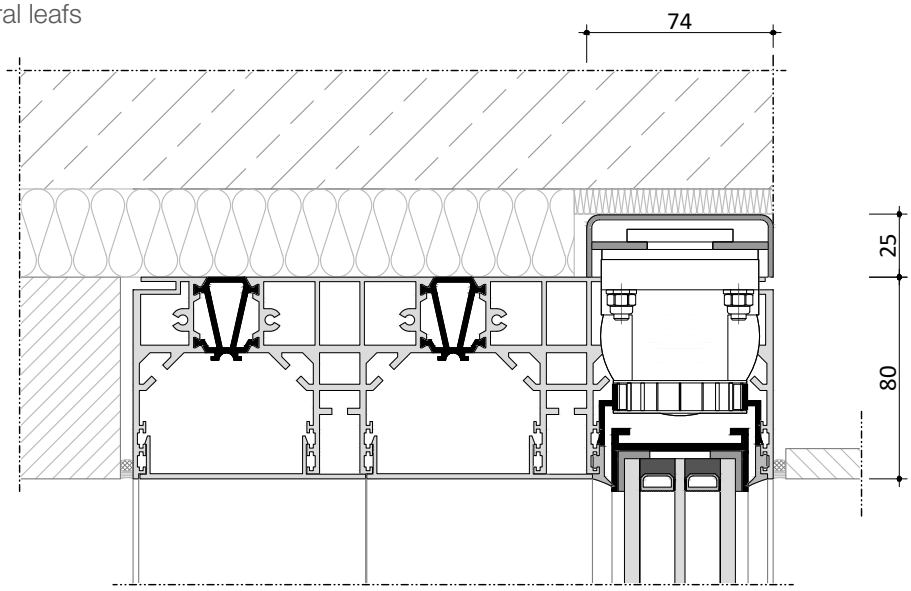
A = 310 mm
B = 270 mm
C = 325 mm

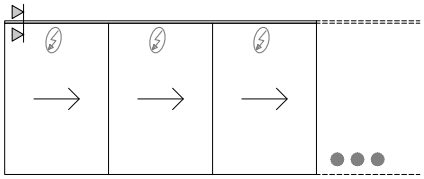
motor housing

Dimensions A-B-C can be reduced if the motor housing is longer (X) than the sliding window.

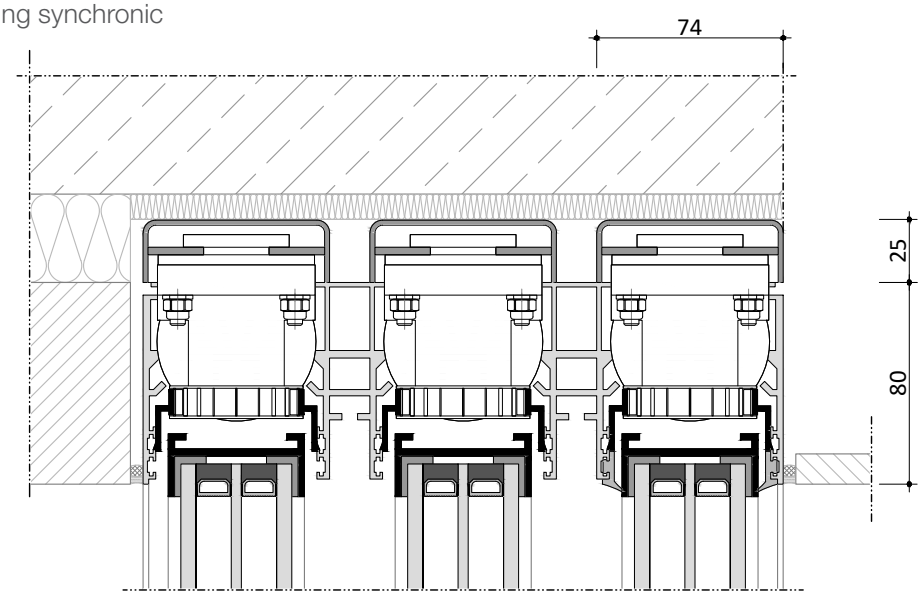


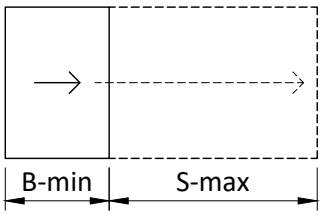
1 drive moving several leafs





1 drive / leaf & moving synchronic





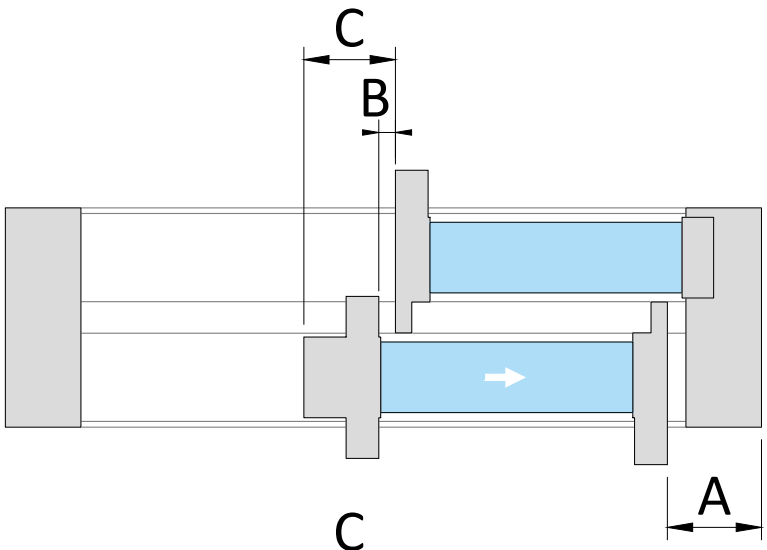
B-min
LD350 = 1.550 mm
LD700 = 1.840 mm
S-Max =
LD350 = 10.000 mm
LD700 = 12.000 mm

M 1:3 | Opening width of the drive way (*)

(*) Measures with equal glass dimensions

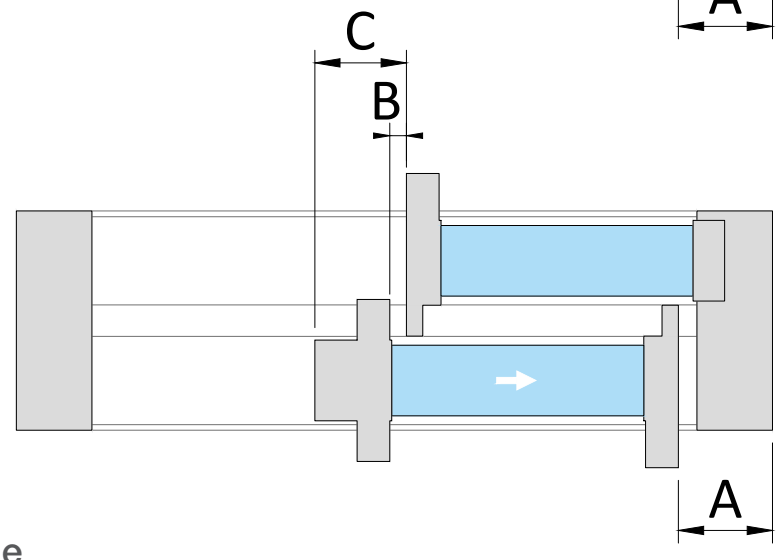
With LD350

A = 100 mm
B = 20 mm
C = 88 mm



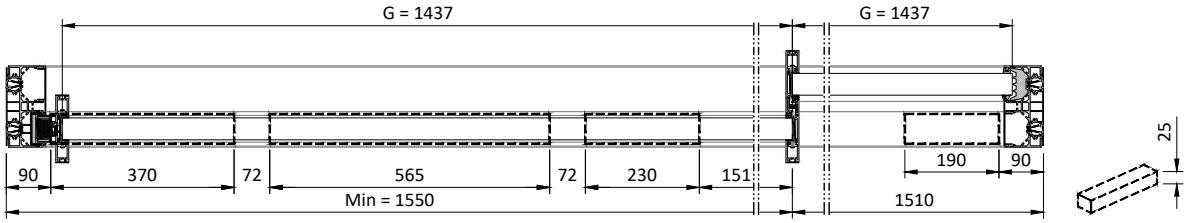
With LD700

A = 100 mm
B = 20 mm
C = 88 mm

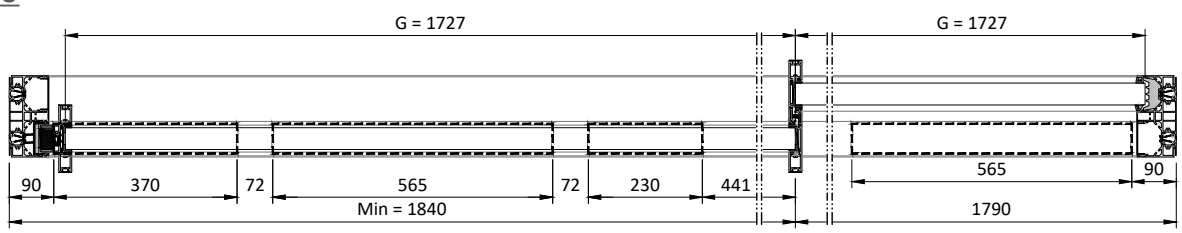


Housingparts on top of frame

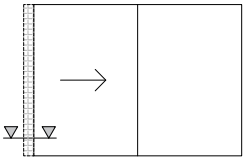
LD350

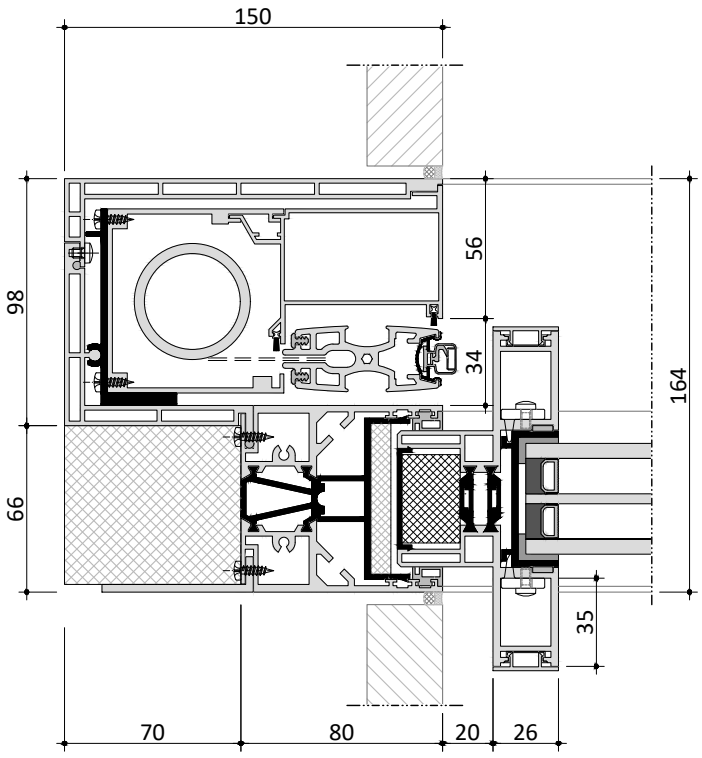


LD700

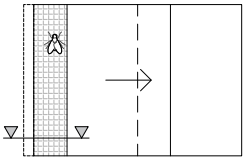


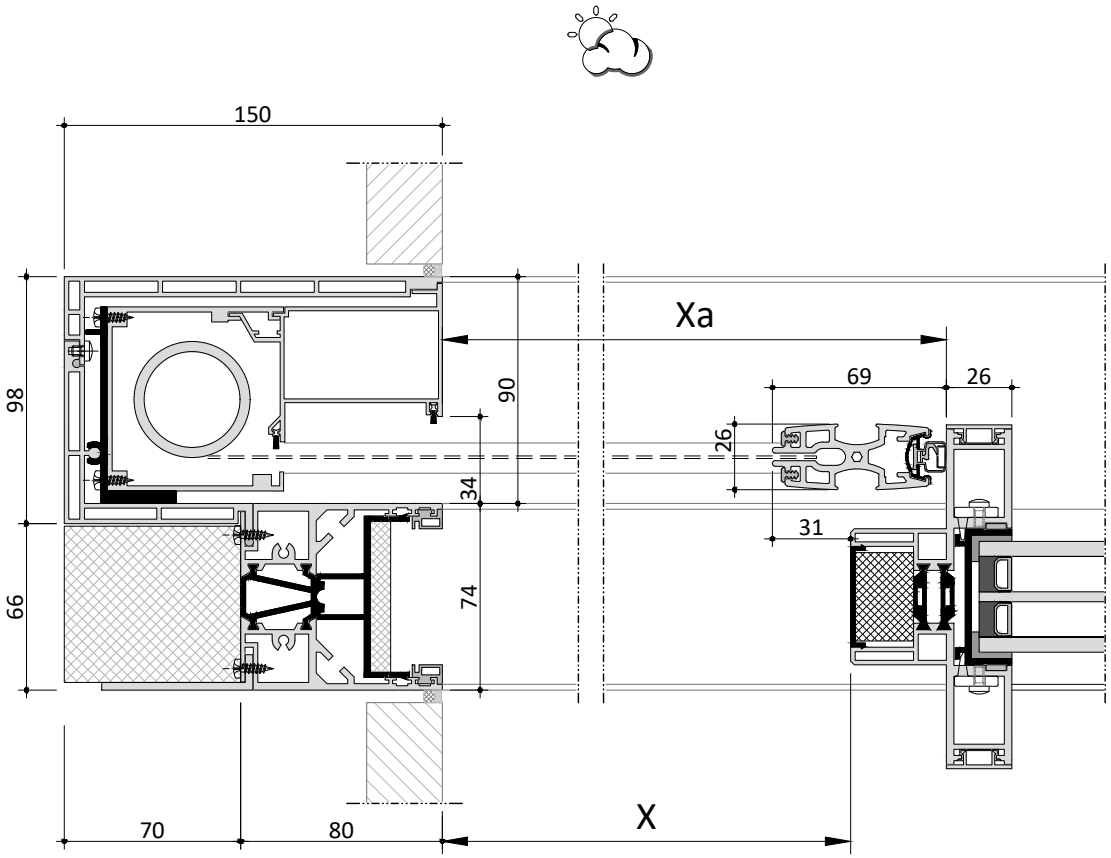
M 1:3 | rollo insect screen - closed





M 1:3 | rollo insect screen - open

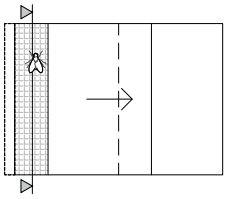


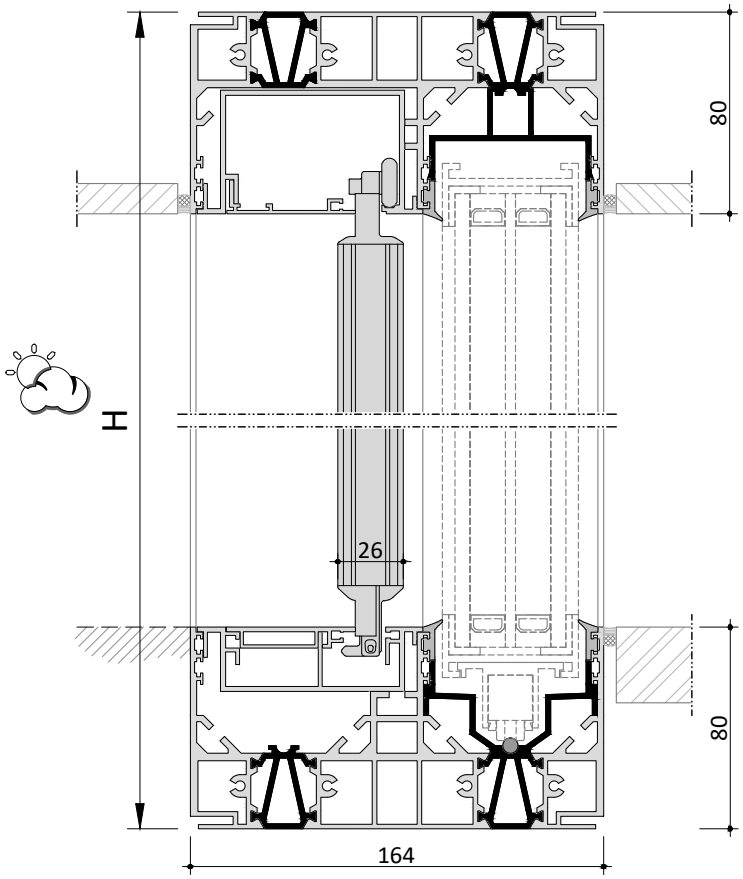


Measurements

H = 3786 mm -> 4085 mm | X = 915 mm
H = 3286 mm -> 3785 mm | X = 1110 mm
H = 2000 mm -> 3285 mm | X = 1870 mm

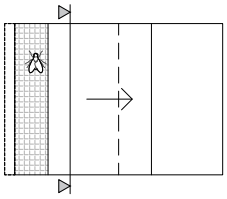
Xa = min 700 mm for revision / repair purposes

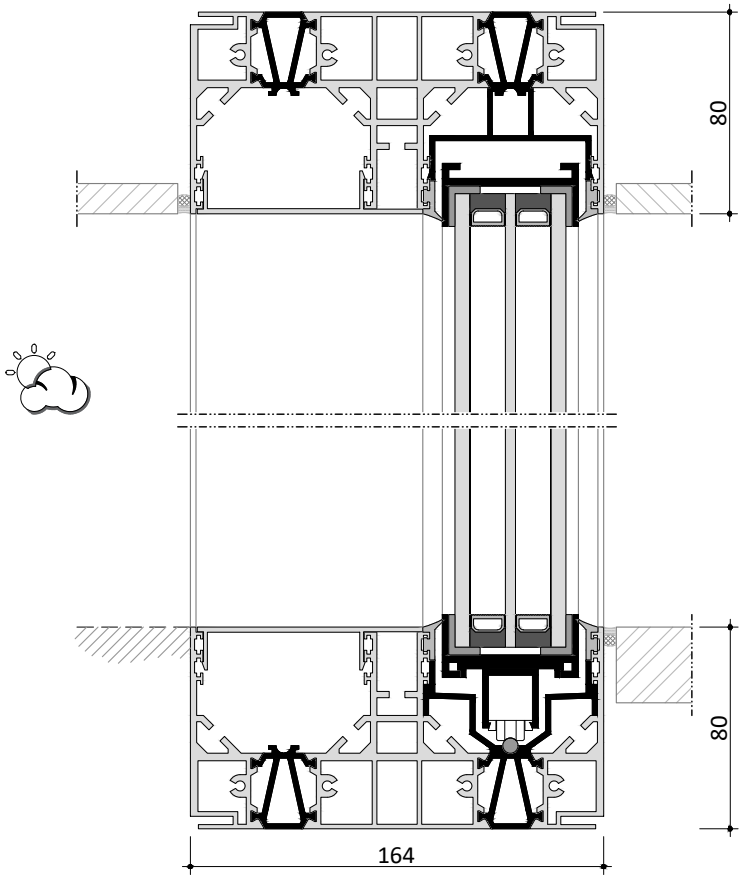




Measurements

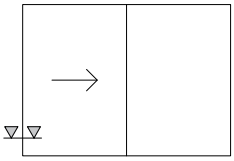
H = 3786 mm -> 4085 mm | X = 915 mm
H = 3286 mm -> 3785 mm | X = 1110 mm
H = 2000 mm -> 3285 mm | X = 1870 mm

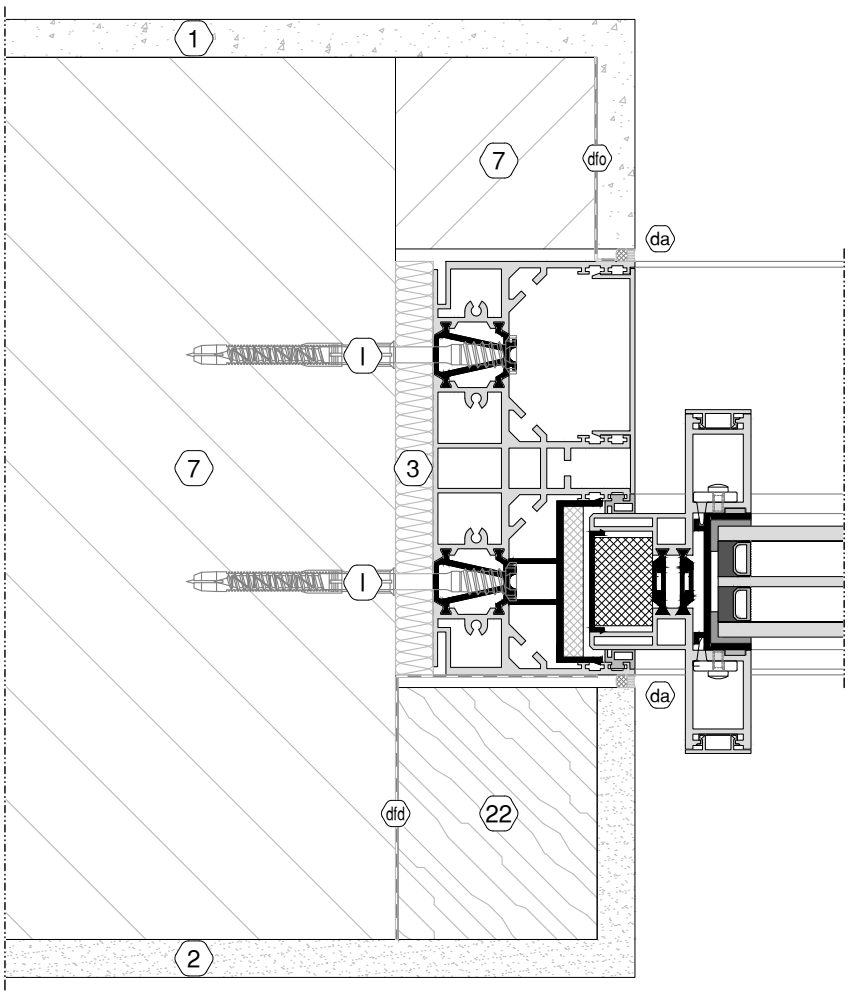



80
80
164

M 1:3

Wall monolithic: sections
view - side



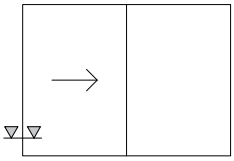


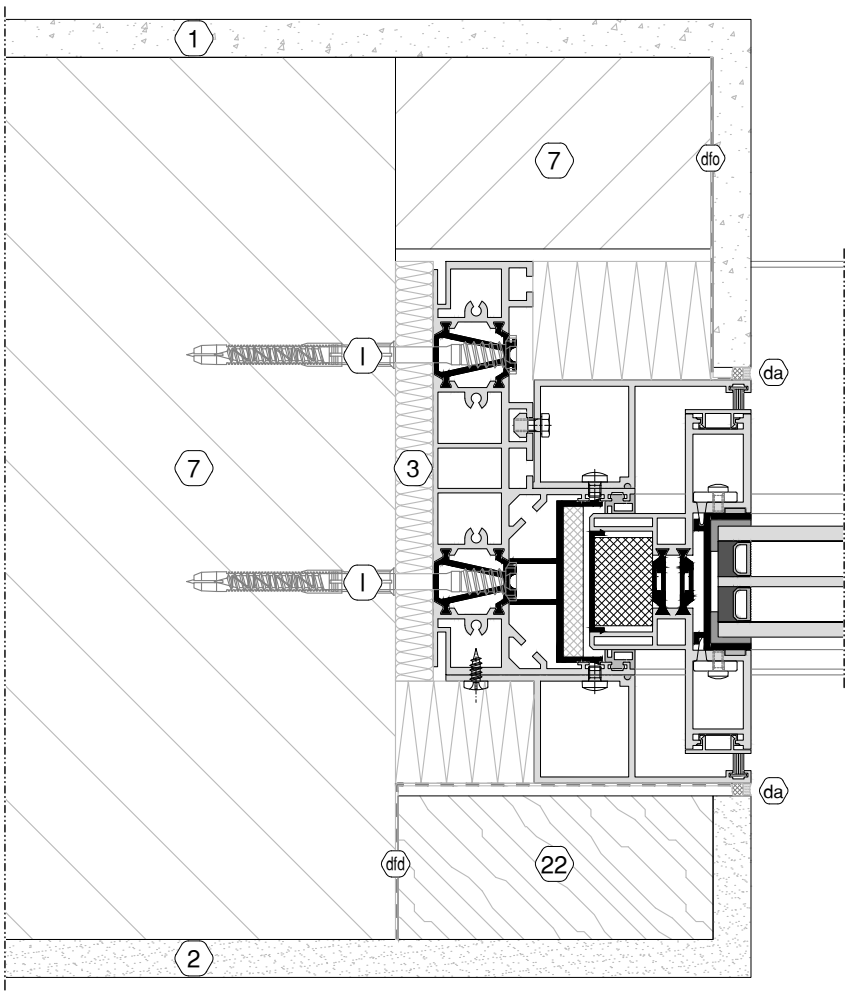
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - hidden handle



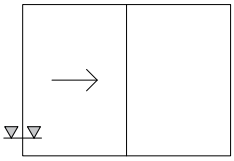


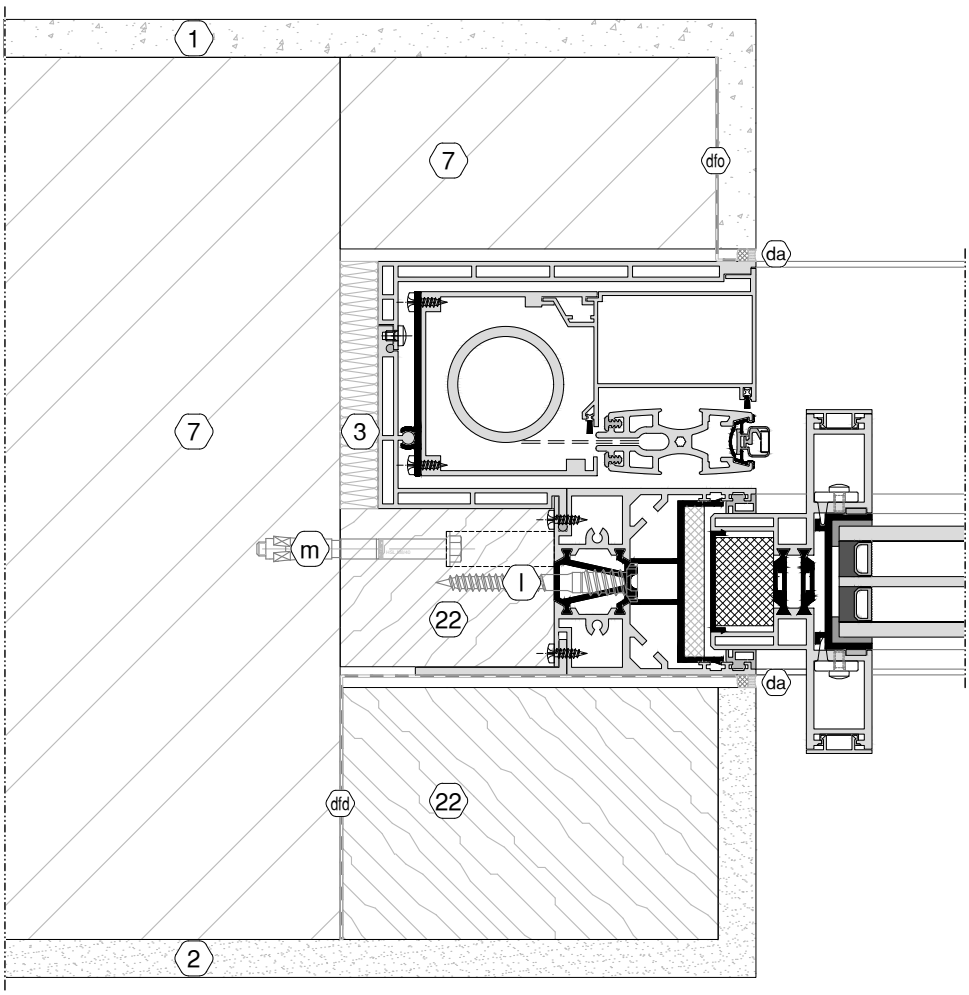
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - rollo insect screen



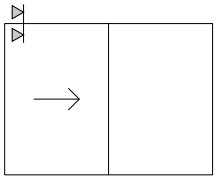


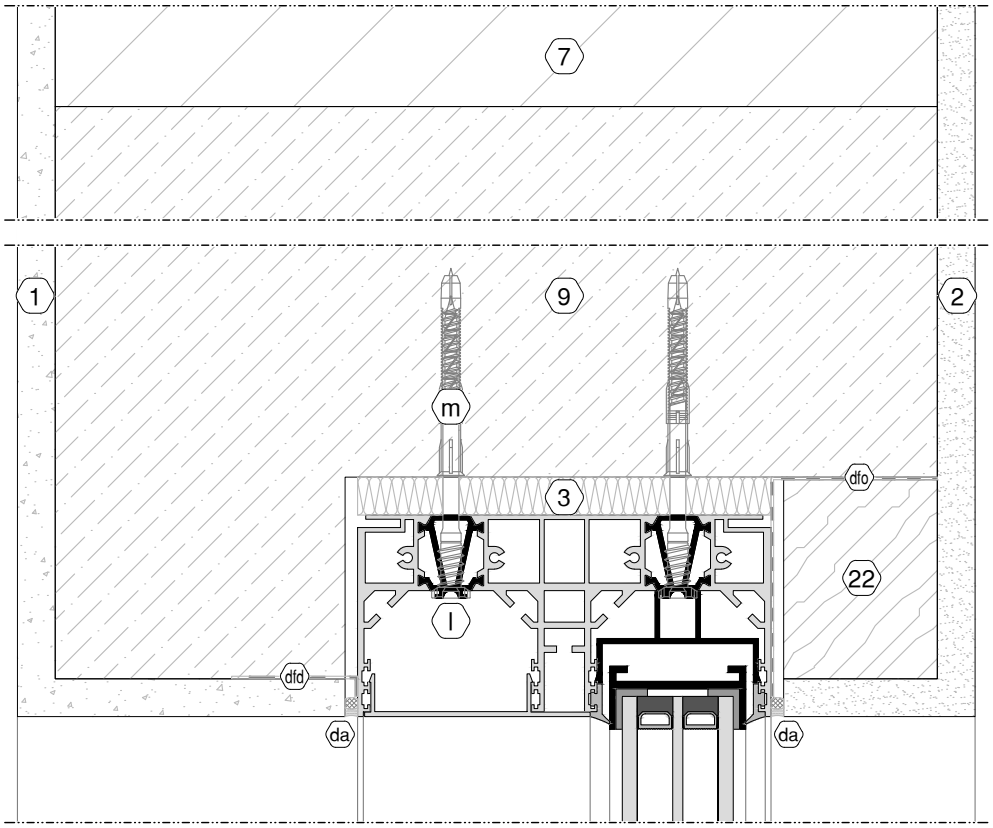
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - top



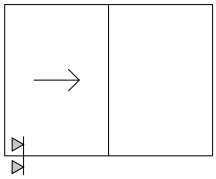


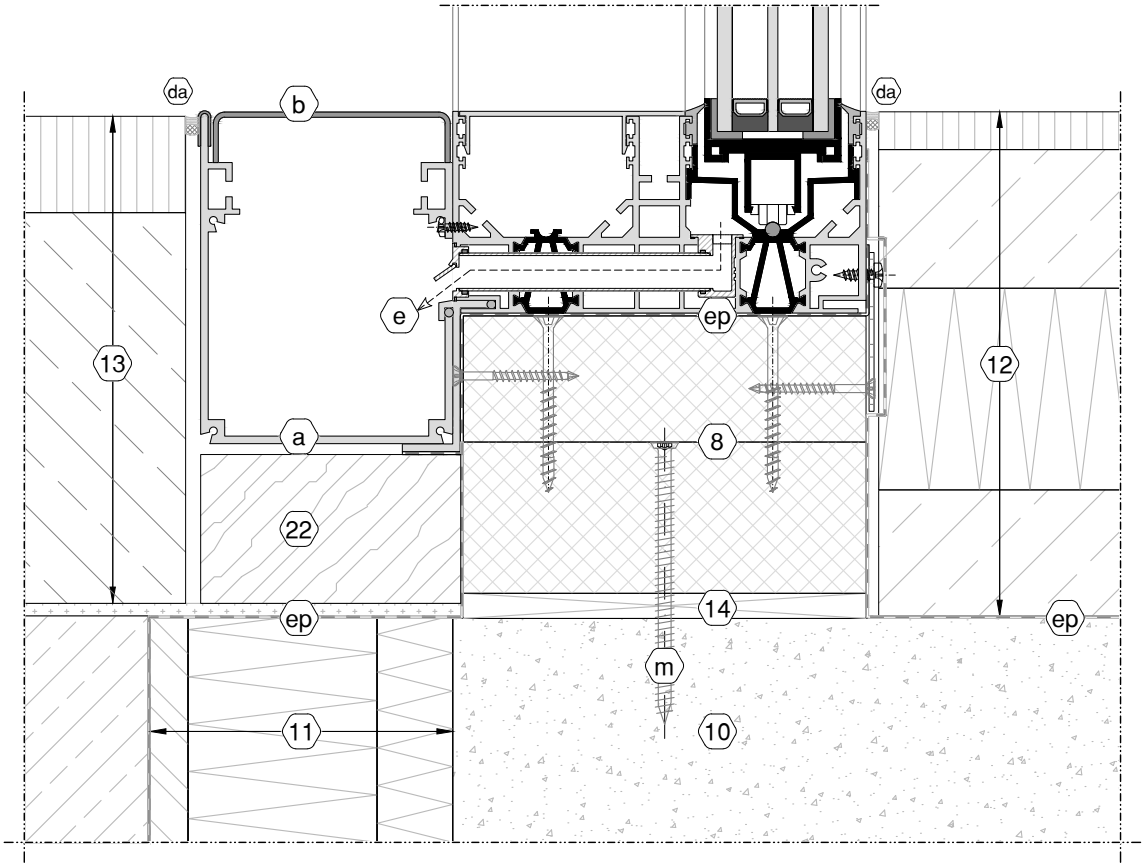
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view sliding & visible gutter



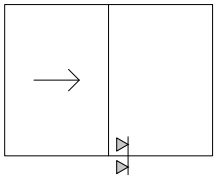


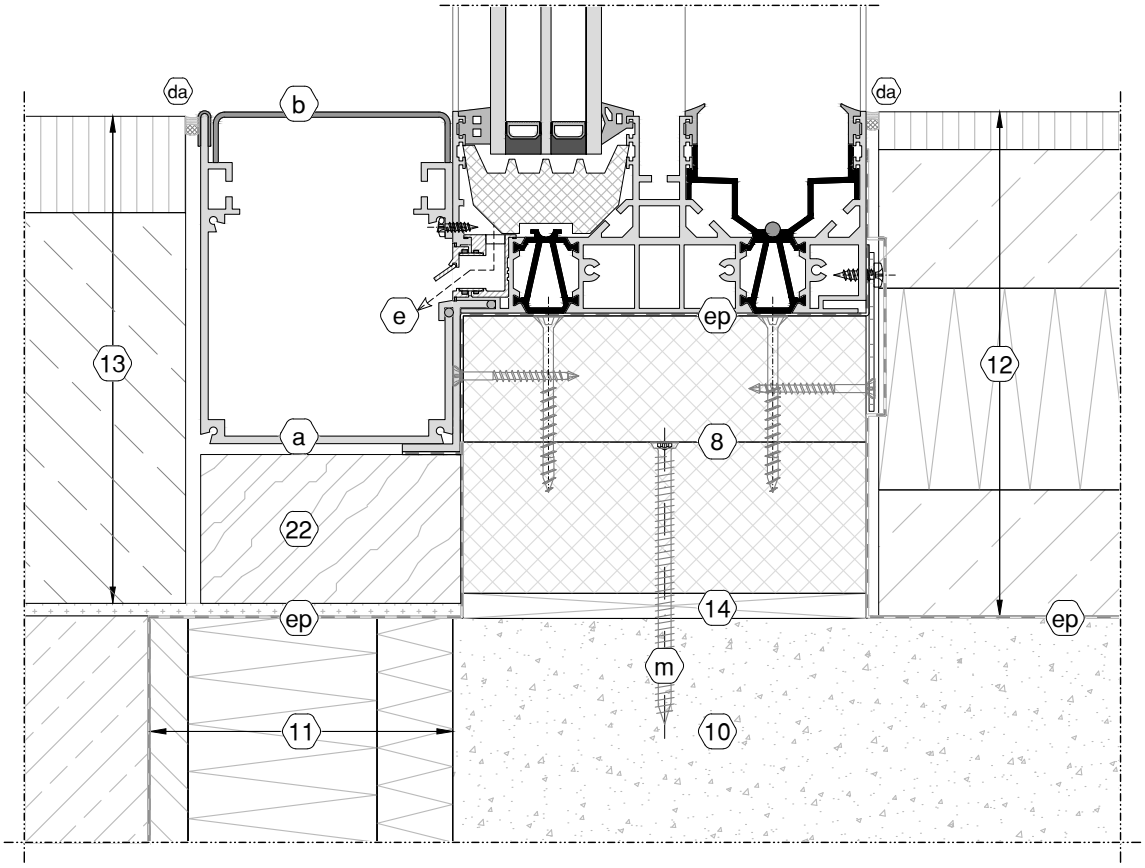
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view fix & visible gutter



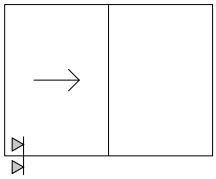


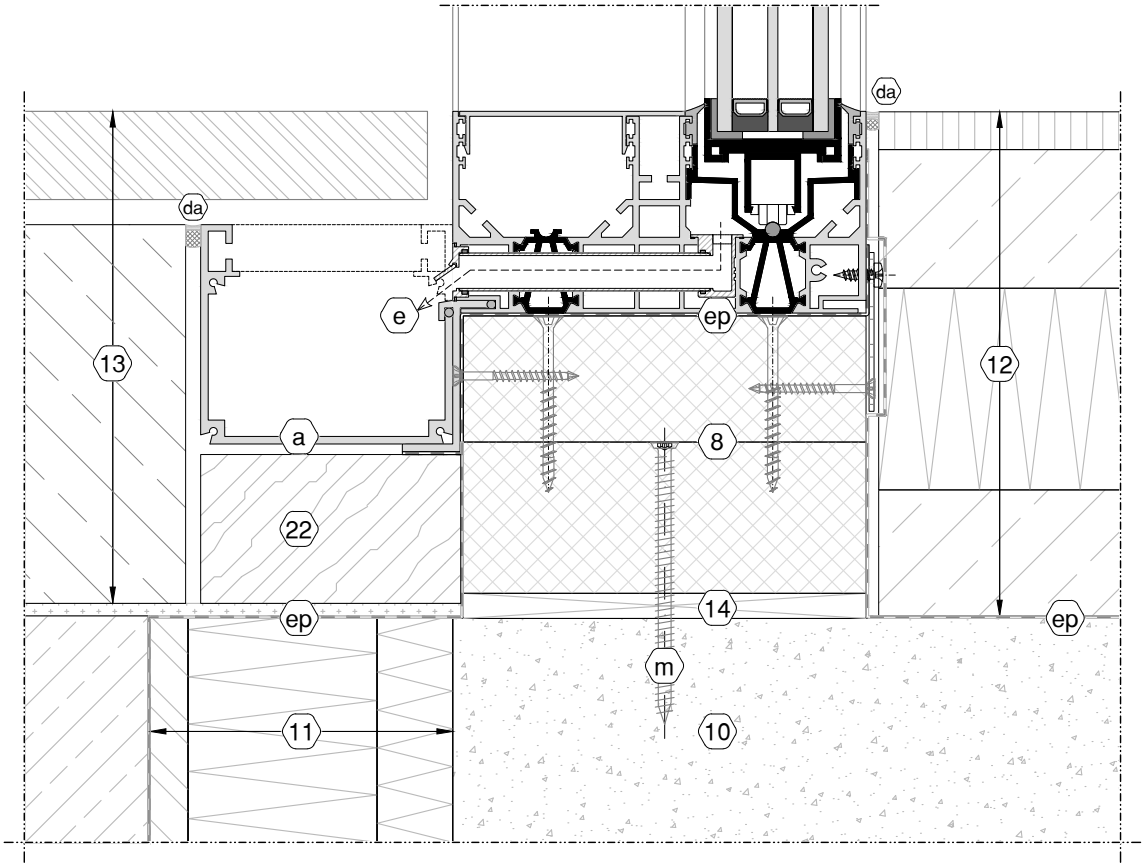
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view sliding & invisible gutter



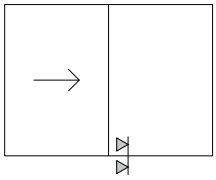


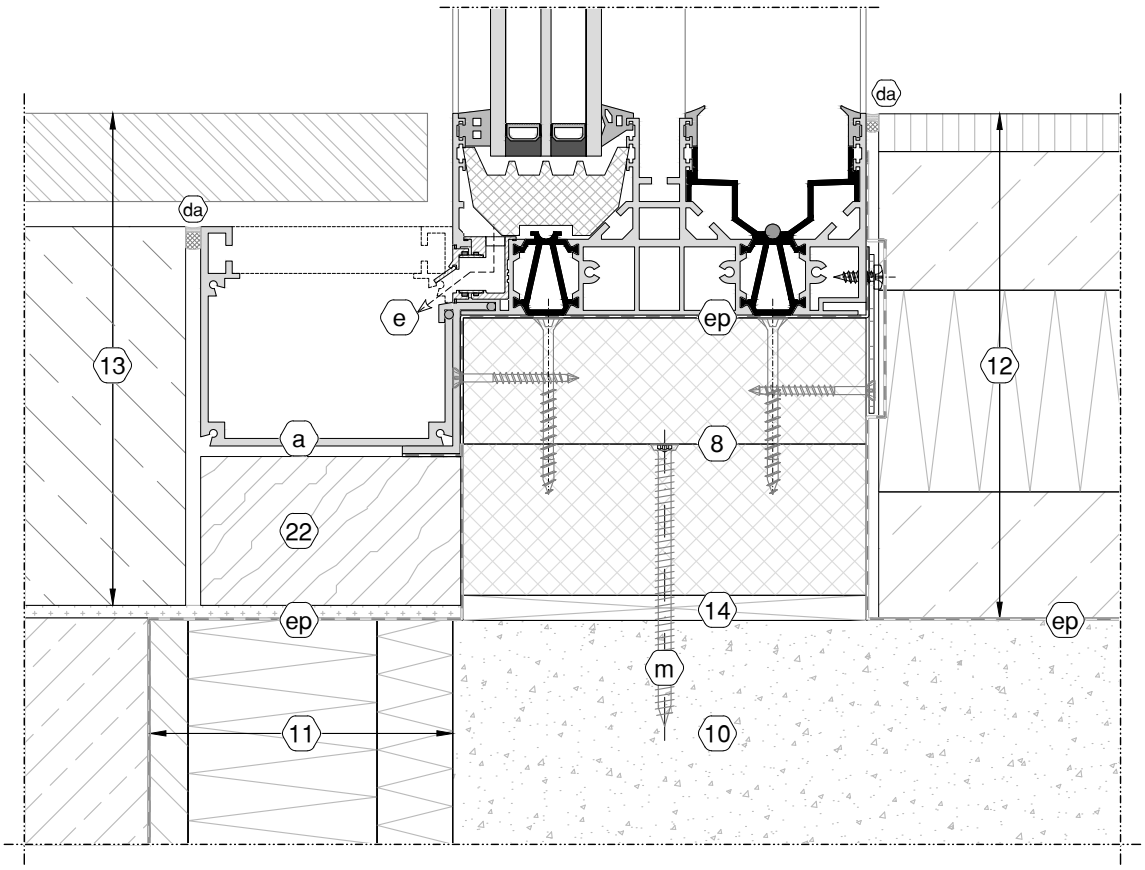
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view fix & invisible gutter



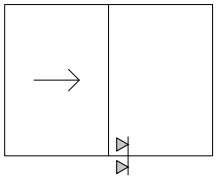


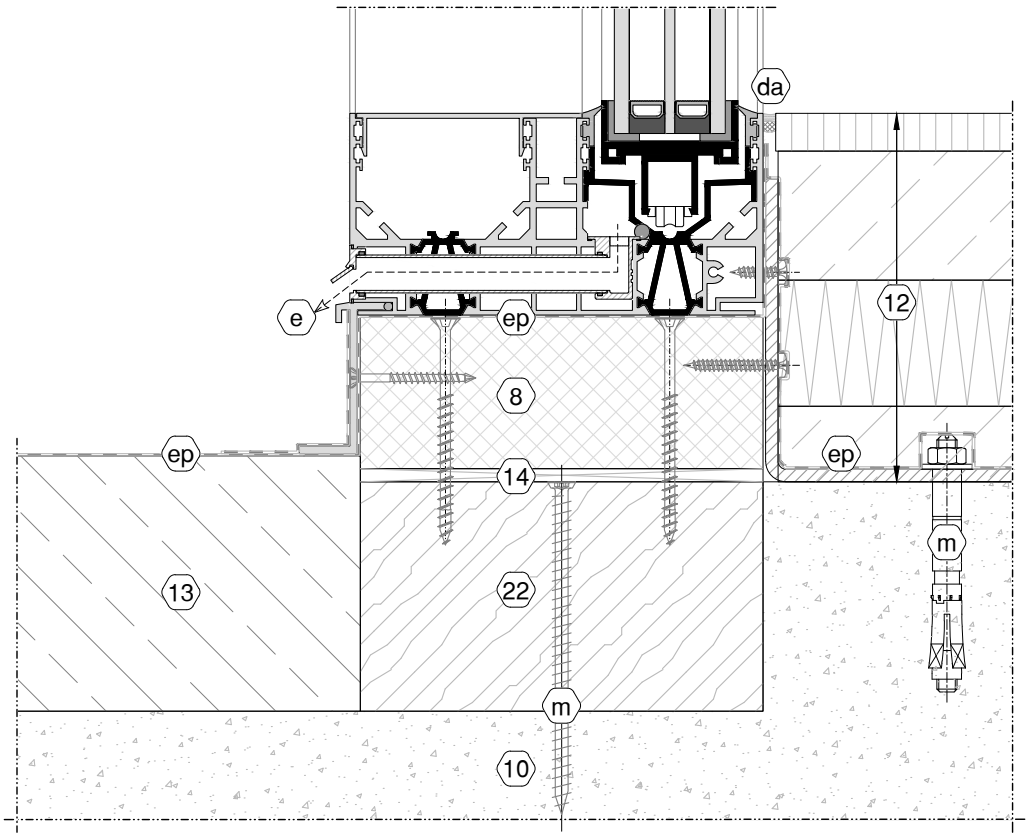
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - Suisse solution



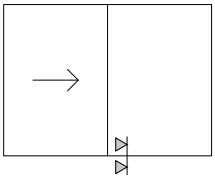


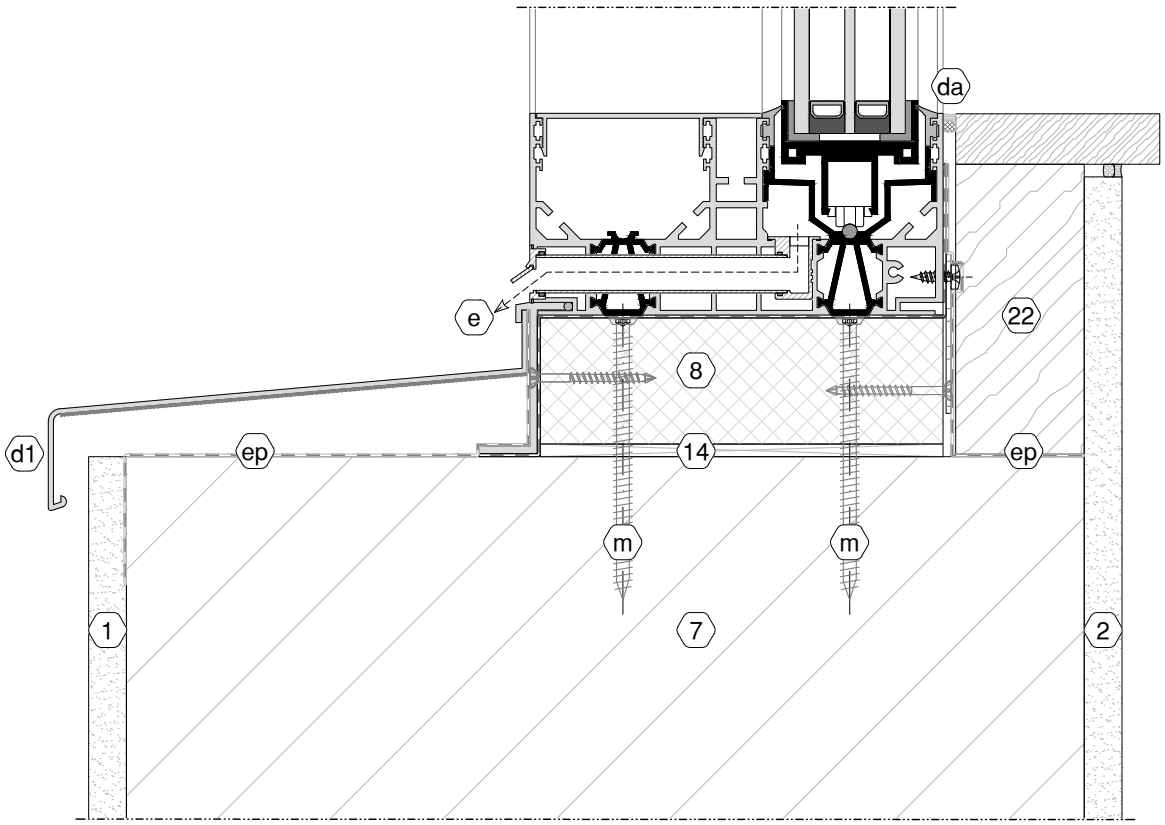
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view & alu threshold



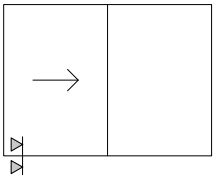


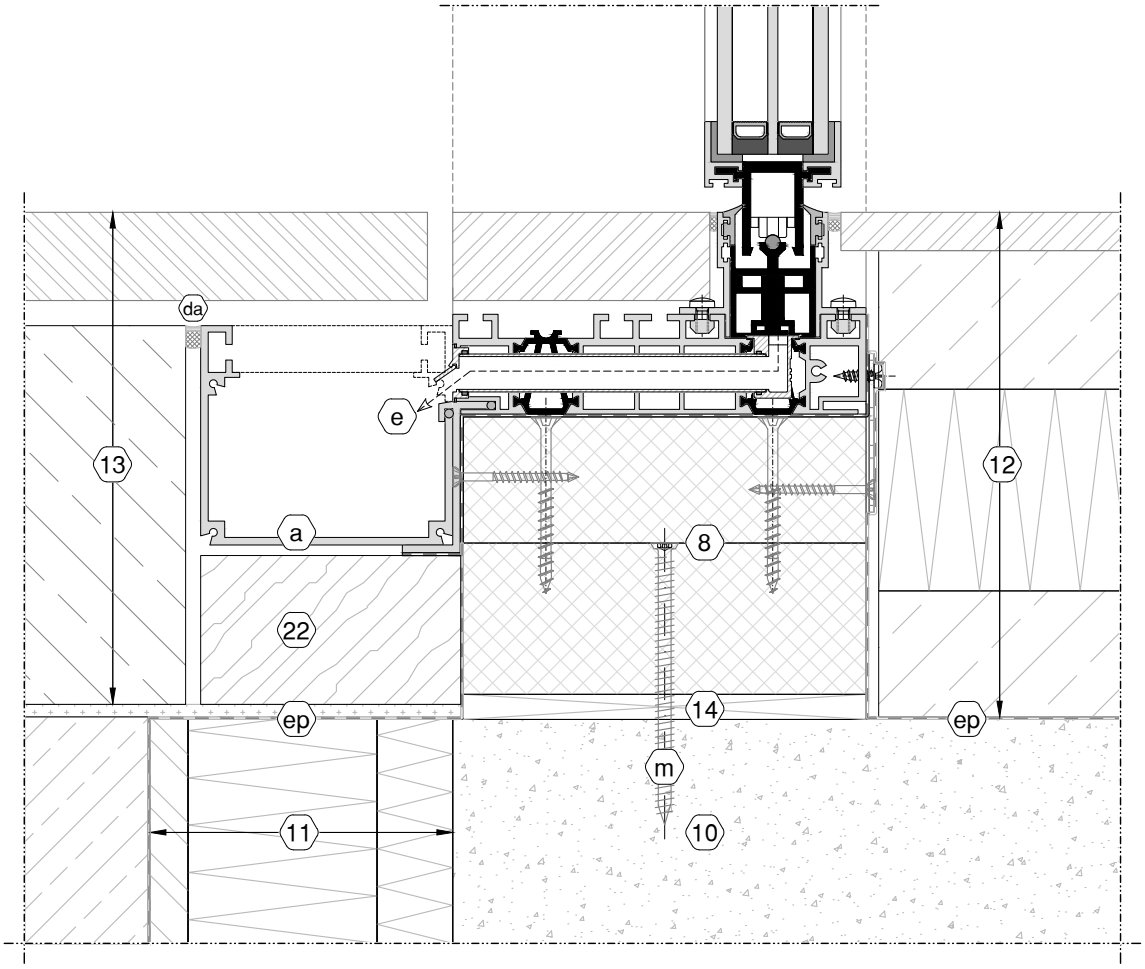
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor PL sliding & invisible gutter



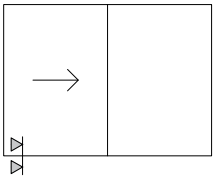


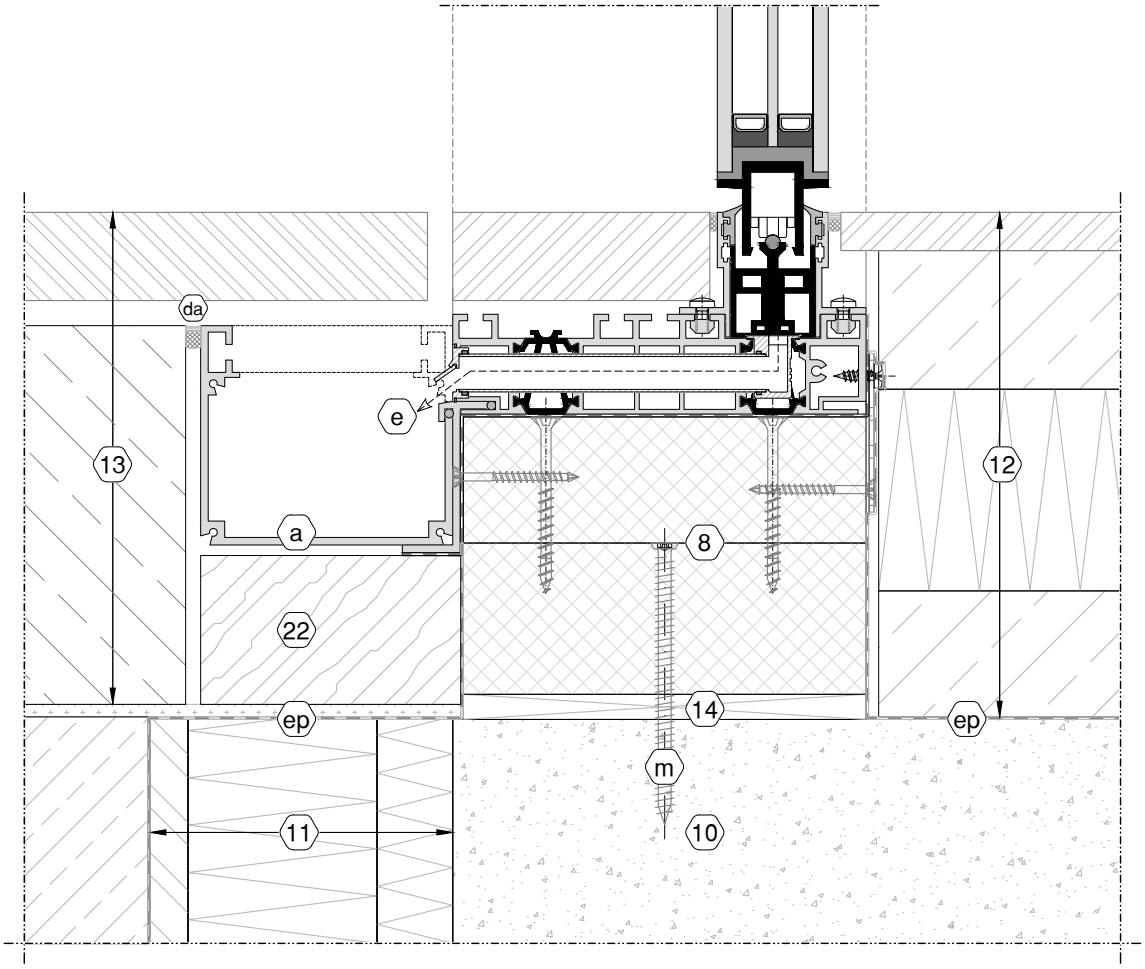
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor CL sliding & invisible gutter



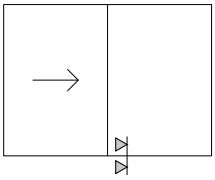


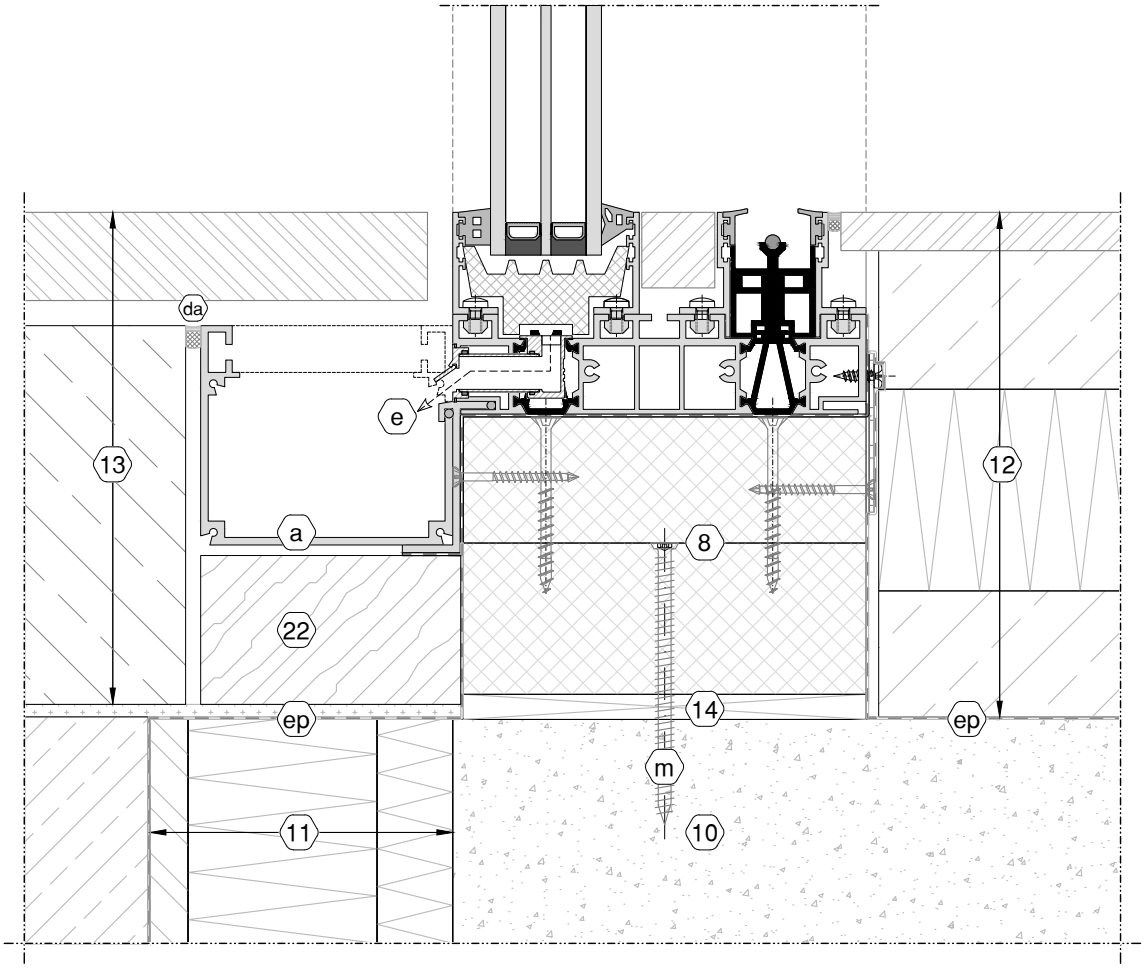
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor PL/CL fix & invisible gutter





Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

1	Exterior plaster
2	Interior plaster
3	Thermal insulation
4	Flexifoam
5	Exterior wall (façade)
6	Interior brickwork
7	Thermal insulation bricks
8	KELLER base stone
9	Concrete lintel
10	Concrete plate
11	Concrete plate edge
12	Floor structure
13	Terrace structure
14	Pressure resistant (plastic) underlay
15	Steel/alu angle profile (with reinforcement)
16	Insulating blocks
17	DWD board
18	OSB board
19	Wooden wall structure
20	Gypsum fiberboard
21	Installation level
22	Filling in general
23	Venetian blinds / roller blinds
24	Ventilated facade system
25	Floor strip
26	Blind drainage slot

a	Drainage gutter [AlMgSi0.5]
b	Gutter cover [stainless steel]
c	Edge protection [stainless steel]
d1	Windowsill system: standard
e	Drainage
f	Drainage base [PVC-U]
g	Substructure [KELLER base stone]
h	PET
i	EPDM cellular rubber

k	Fixing bushing
l	Topstar
m	Anchor / wall screw
n	Zebra Pias AW30

da	Permanently elastic sealing
dfo	Vapour diffusion-permeable film
dfd	Vapour diffusion-tight film
de	Sealing foil EPDM

The connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions on site and the country-specific requirements.

All information contained in this manual has been compiled to the best of our knowledge and tested with care. Nevertheless, errors cannot be completely ruled out. For this reason, the information contained in these instructions is not associated with any obligation or guarantee of any kind. As a result, Keller minimal windows S.A. accepts no responsibility and will not accept any consequential or other liability arising in any way from the use of this information - or any part thereof - including for any infringement of patent rights which may result.

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Keller Minimal Windows S.A.
38-40, Route de Wilwerdange
L-9911 Troisvierges
Tel. +352 28 38 66 01
info@keller-minimal-windows.com
www.minimal-windows.com

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NG S7

Table of content

(*) in progress

System

Facing width	:	26 mm
Installation flush to the floor	:	possible
Installation flush to the ceiling	:	possible
Max. leaf height	:	6 m
Min. B/H	:	1/3
Max. leaf weight	:	1500 kg
Max. leaf area sliding	:	18 m²
Max. leaf area fix	:	18 m²
Max. numbers of tracks	:	up to 3 tracks
Overall insulation glass thickness	:	54 up to 64 mm
Automated sliding leaf	:	yes
Motorisation (*)	:	up to 2400 kg

(*) total weight with one motor and combined leaves

Accessibility	:	DIN 18040-1, DIN 18040-2

Building physics

U_w-Values (dep. on glass type & dimensions)	:	≥0,9 W/(m²K) (a) | ≥0,65 W/(m²K) (b)	
Air permeability	:	up to classe 4	→ EN 12207 (c)
Resistance to rain penetration	:	up to classe 8A	→ EN 12208 (d)
Resistance to wind loads	:	up to classe C5	→ EN 12210 (c)
Sound insulation	:	up to 46 dB	→ ISO 717-1 (c)

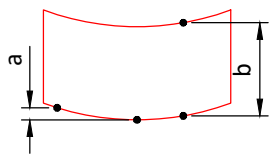
Safety

Resistance to burglary	:	up to RC 3	→ EN 1627 (c) & PAS24

(a) Theoretical R&D calculation for sliding-fixe 6.0 x 6.0 m with glass Ug 0.8 W/m²K
(b) Theoretical R&D calculation for sliding-fixe 6.0 x 6.0 m with glass Ug 0.5 W/m²K
(c) Target value, waiting for official testing
(d) Target value for drainage type 1 (target value for drainage type 2 & 3 >8A)

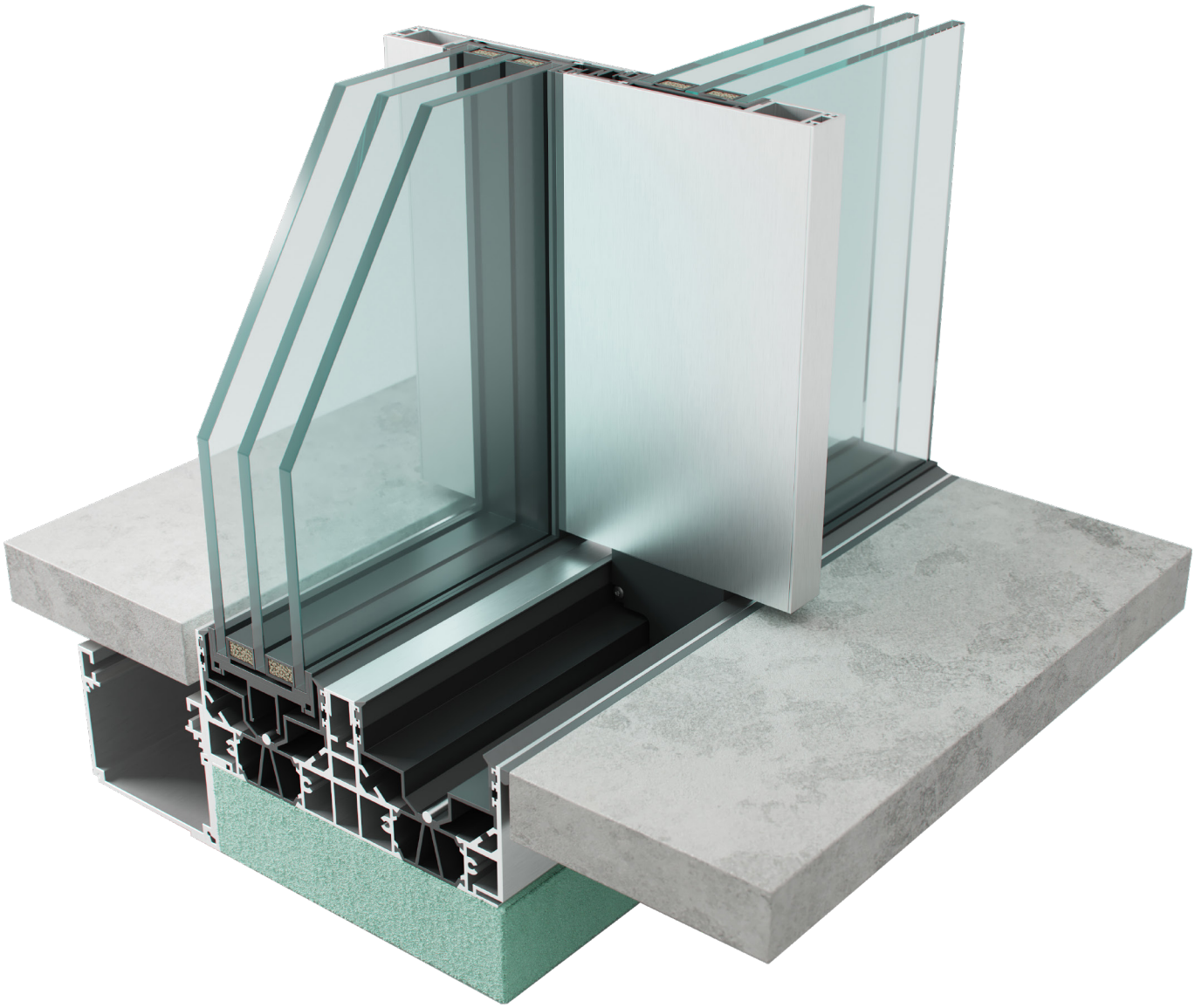
Mounting directions

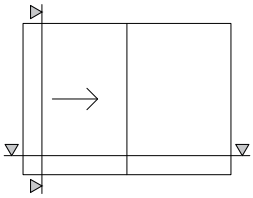
Max. allowable bending of outer frame

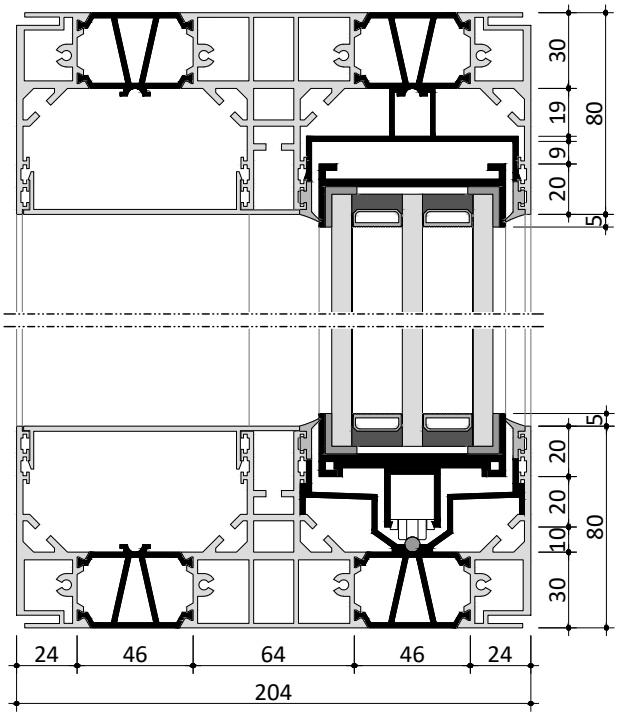


: During assembly
- a : ± 0.5mm / m
- b : ± 1mm

: During operation
- a : ± 1mm / m
- b : + 2 / - 5mm



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64
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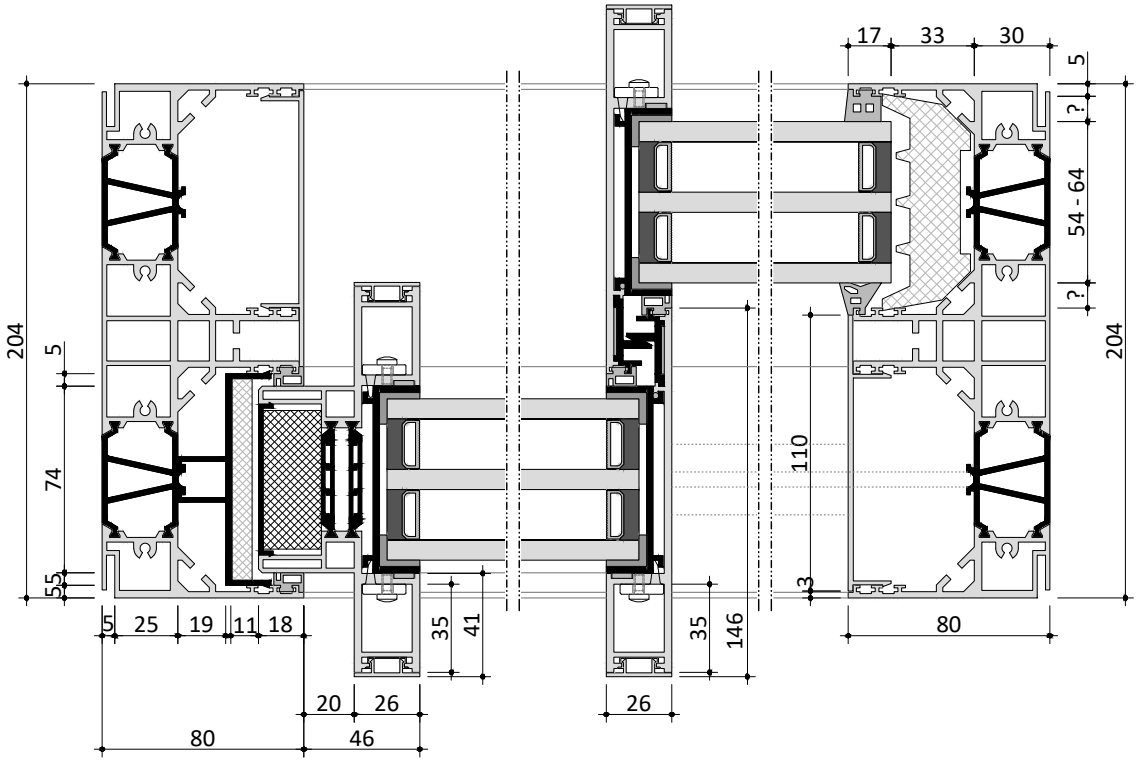
204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33
30
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?
54 - 64
?
204
204
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74
55
110
3
80
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19
11
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41
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146
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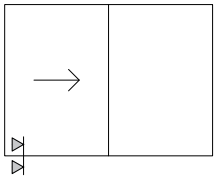
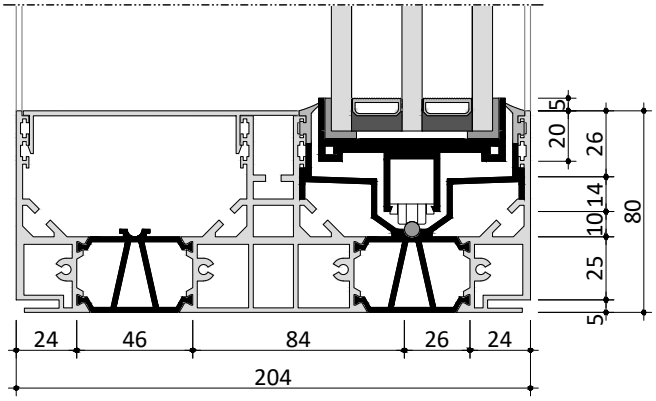
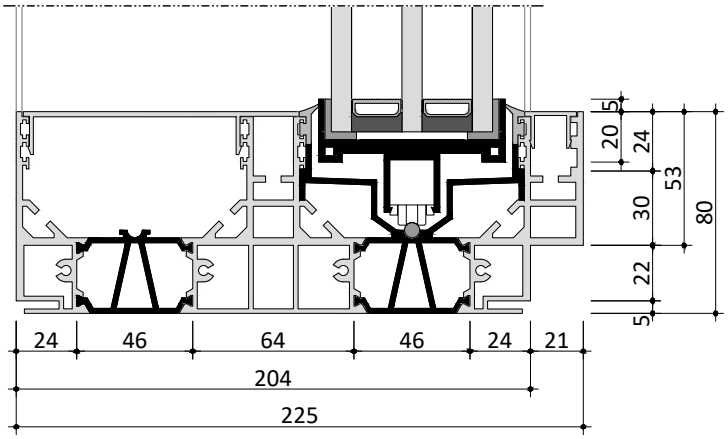
26
26
80
46

M 1:3 | outer frames : view - floor PL - floor CL





view



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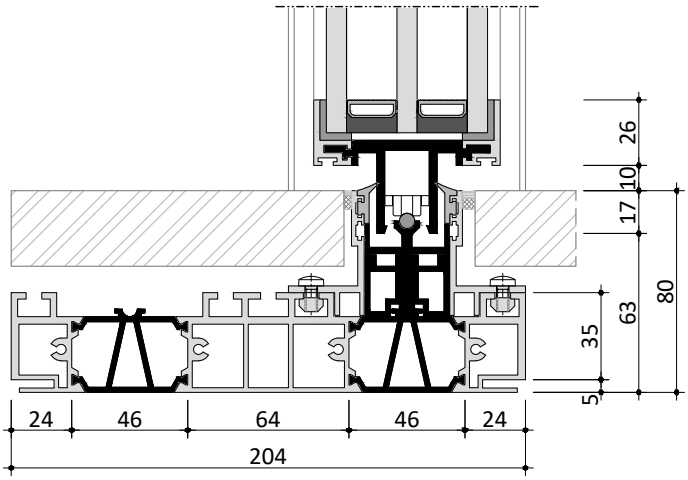

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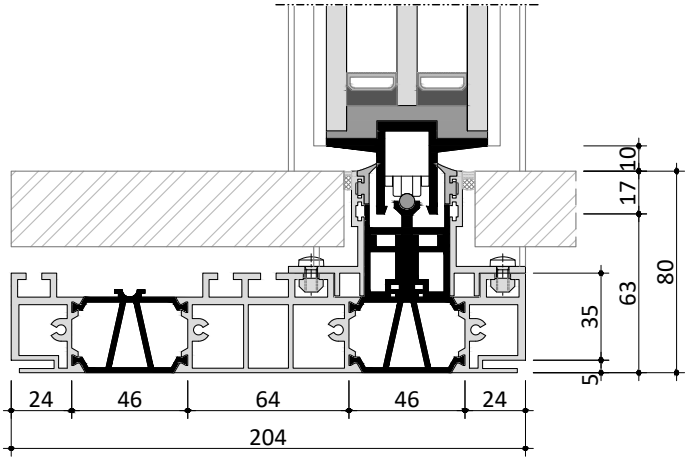
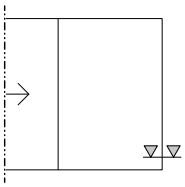
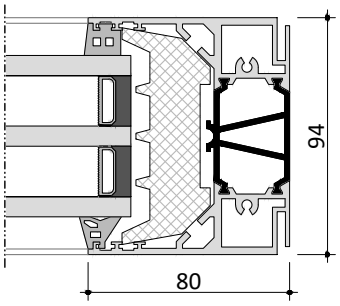


floor CL

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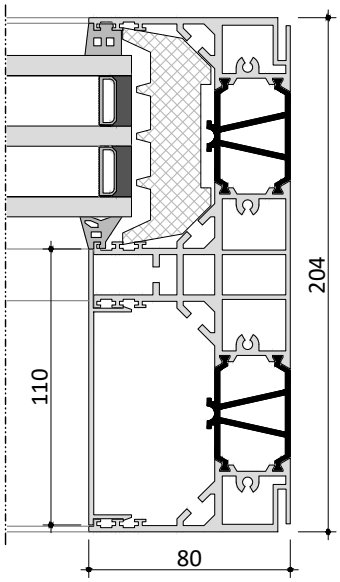
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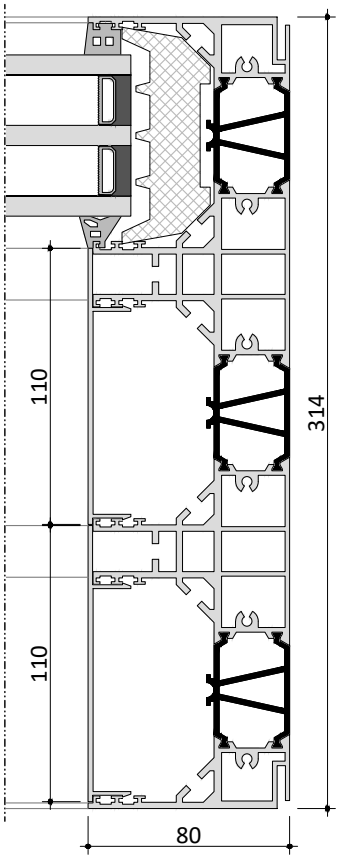
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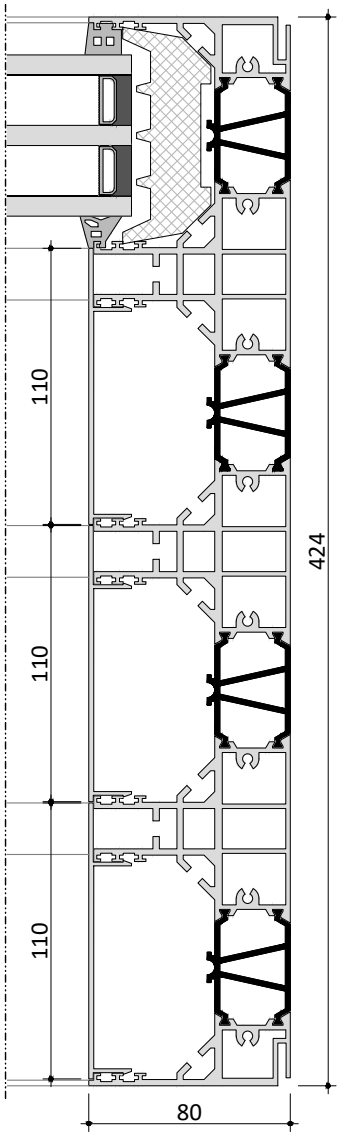
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110
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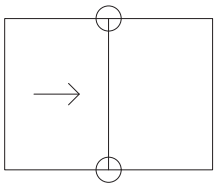
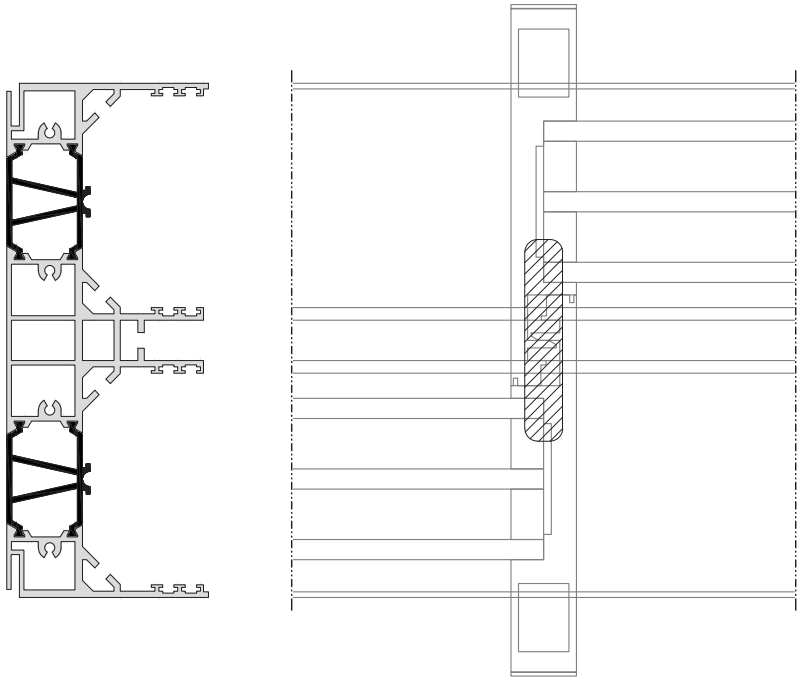
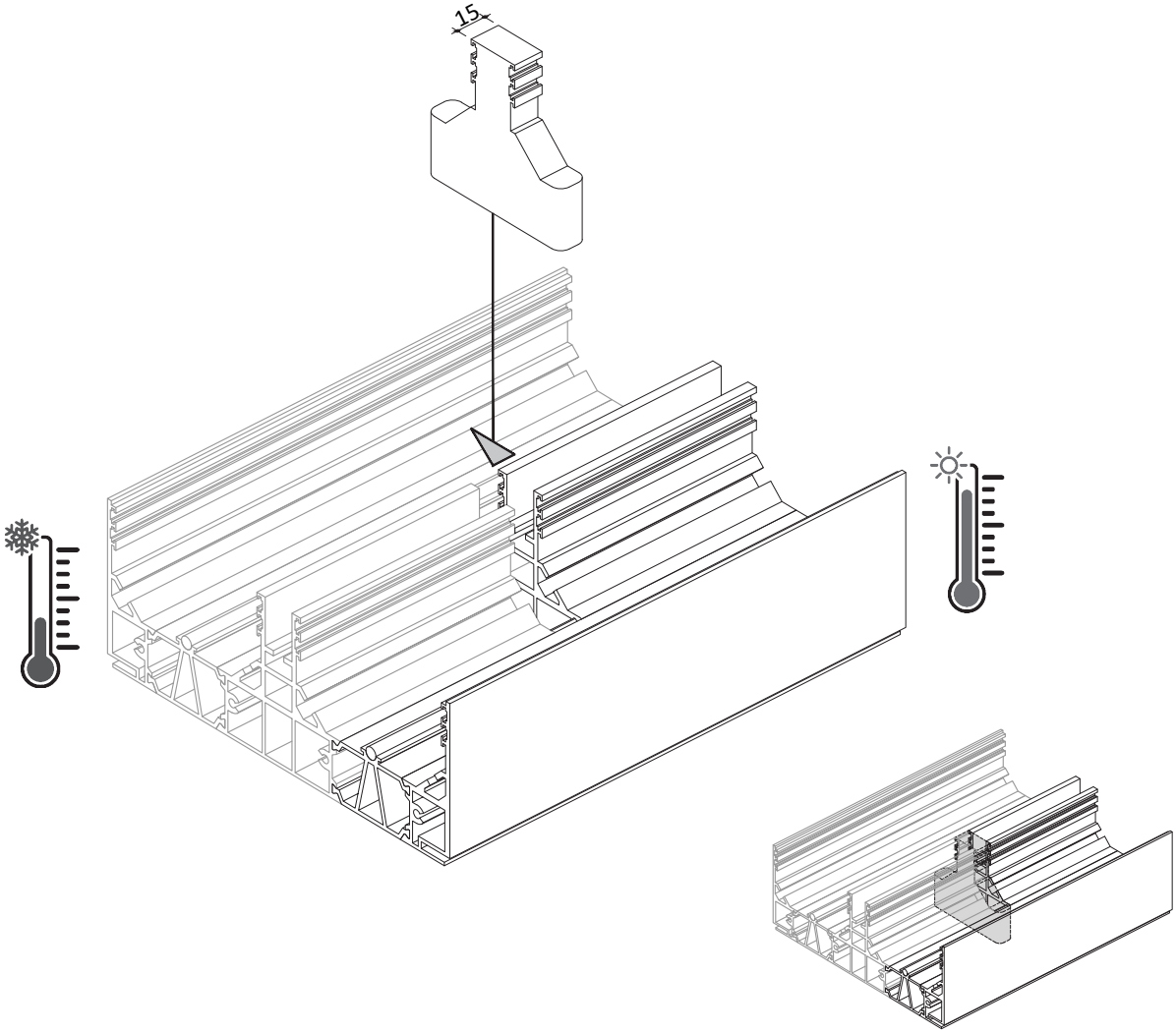
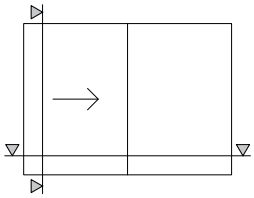
110
80

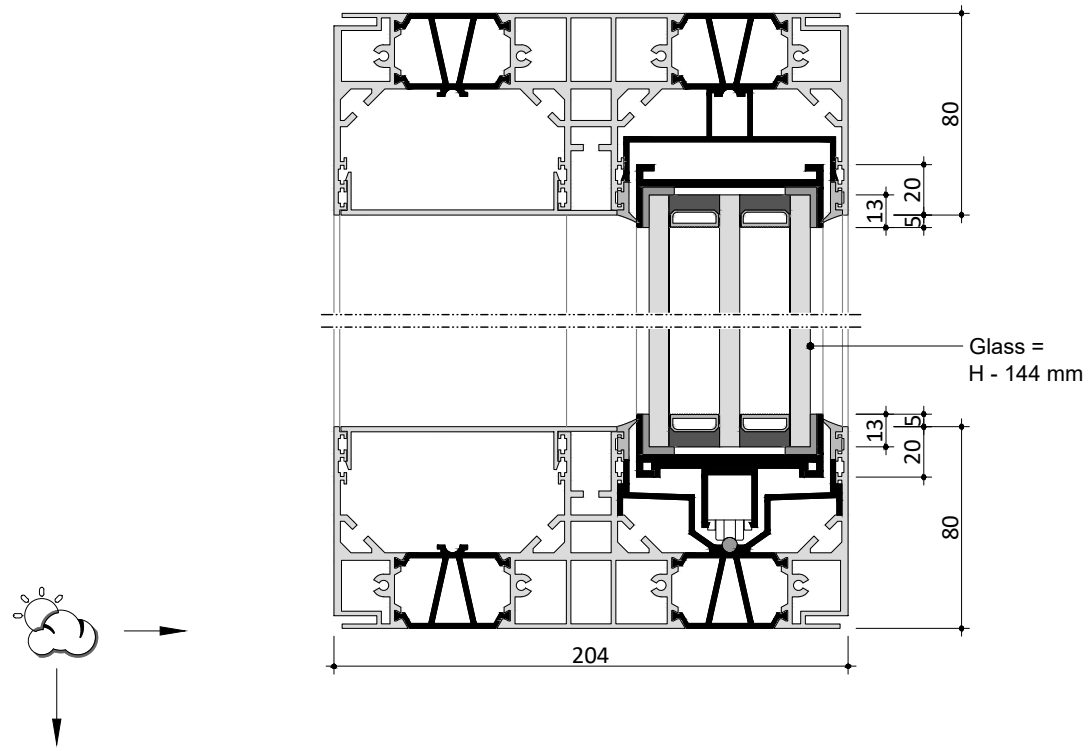
M 1:3 | outer frames : Z-schell seperator

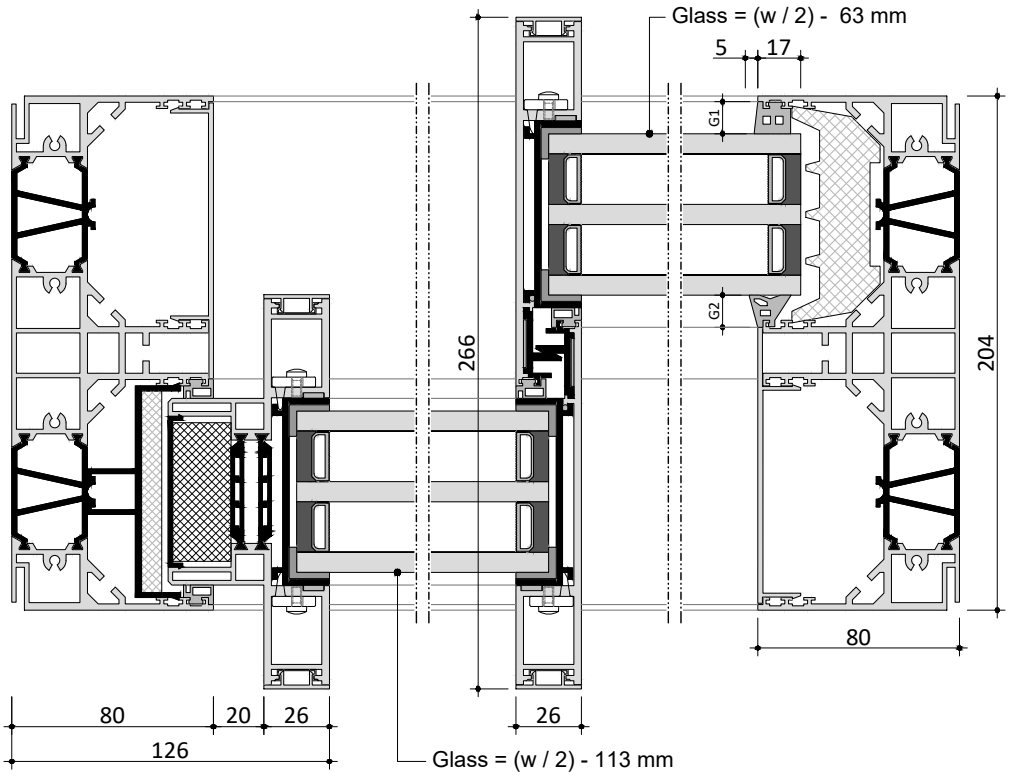


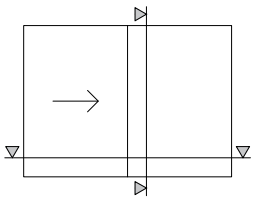




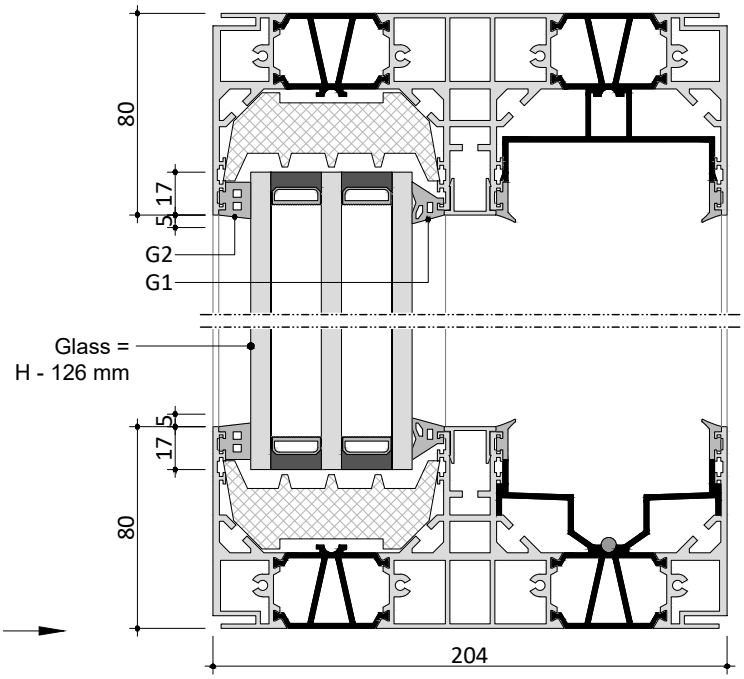


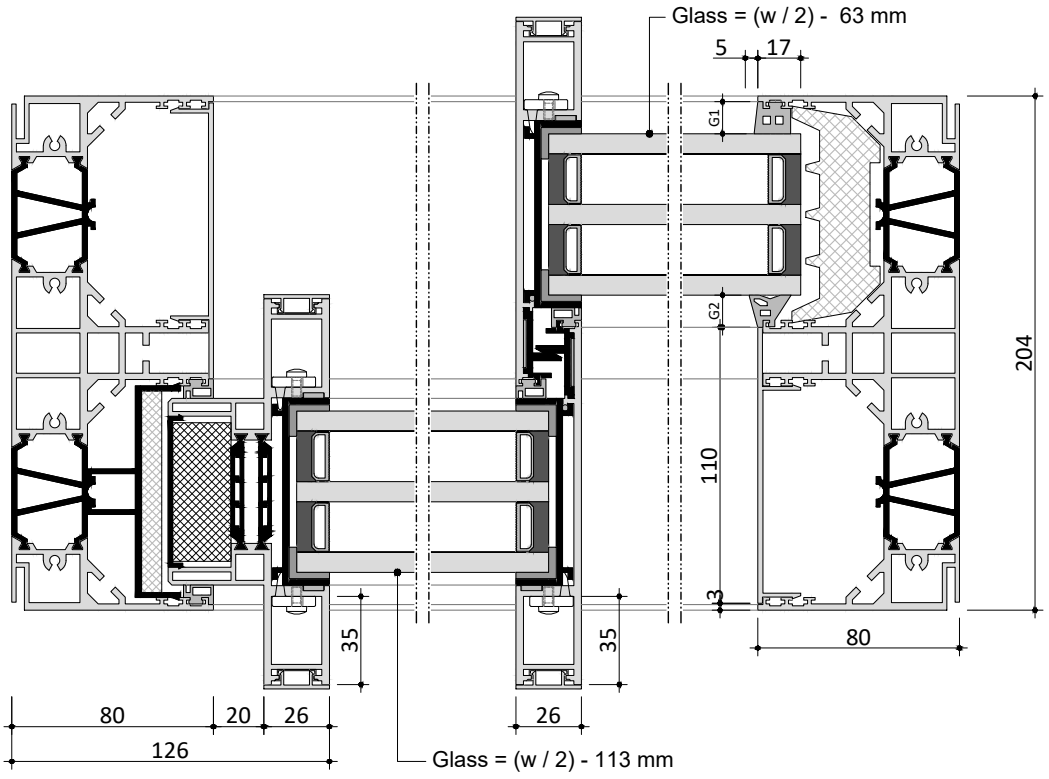

80
13
5
20
Glass =
H - 144 mm
13
5
20
80
204


Glass = (w / 2) - 63 mm
5
17
G1
G2
266
204
80
80
20
26
126
26
Glass = (w / 2) - 113 mm

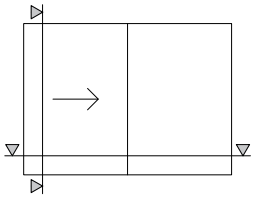


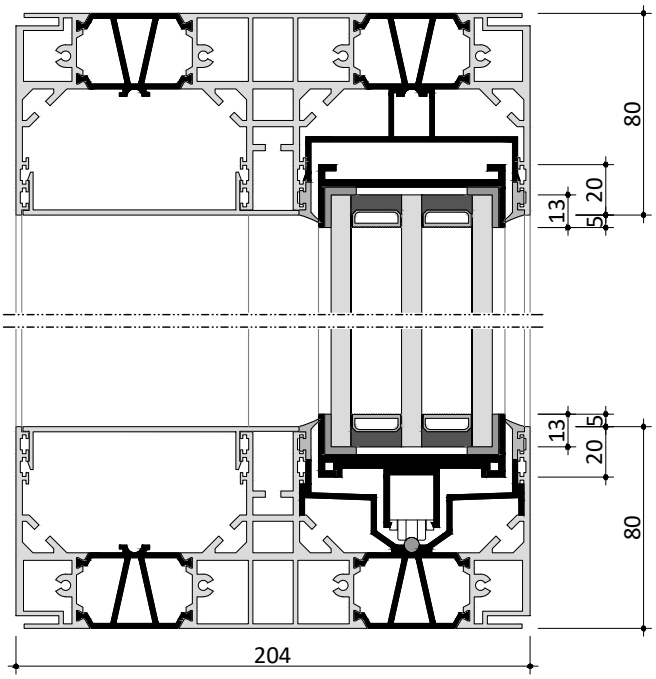
	G1	G2
54mm	15 mm	15 mm
55mm	14 mm	15 mm
56mm	14 mm	15 mm
57mm	13 mm	15 mm
58mm	13 mm	13 mm
59mm	12 mm	13 mm
60mm	12 mm	13 mm
61mm	11 mm	13 mm
62mm	11 mm	11 mm
63mm	10 mm	11 mm
64mm	10 mm	11 mm

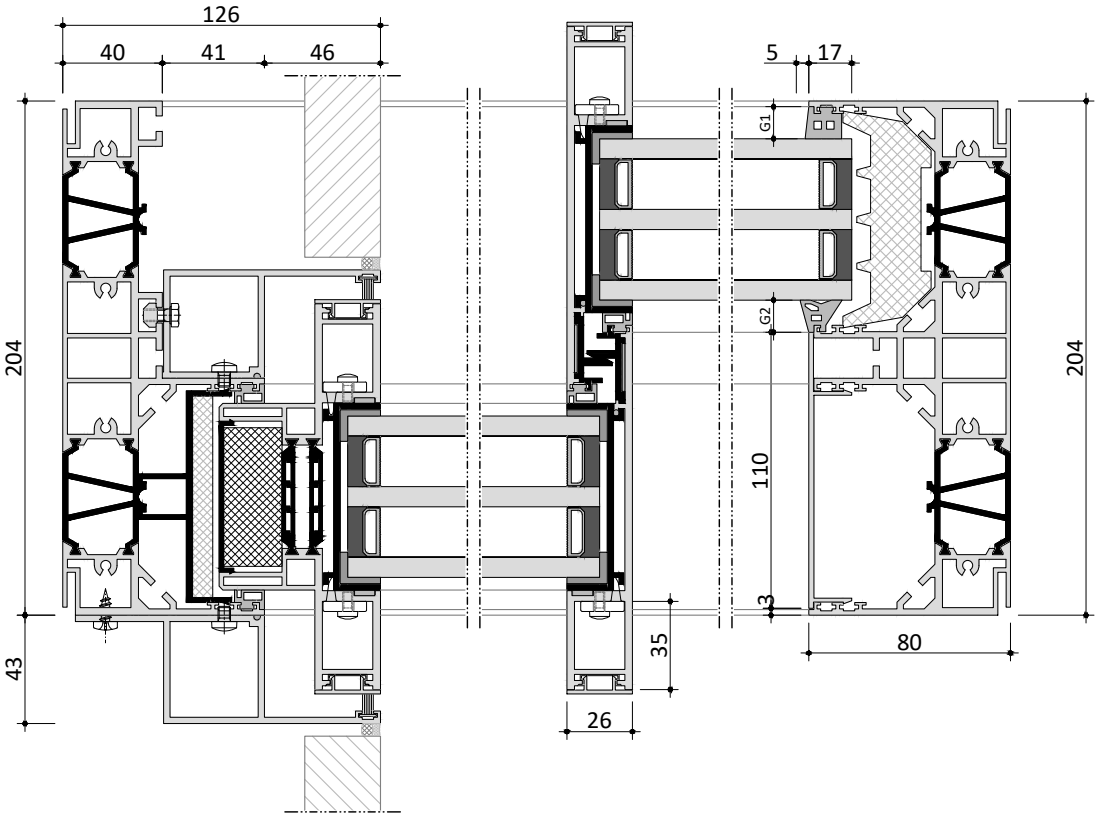




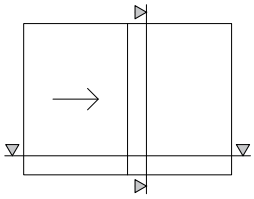
M 1:3 | view - sliding with hidden handle



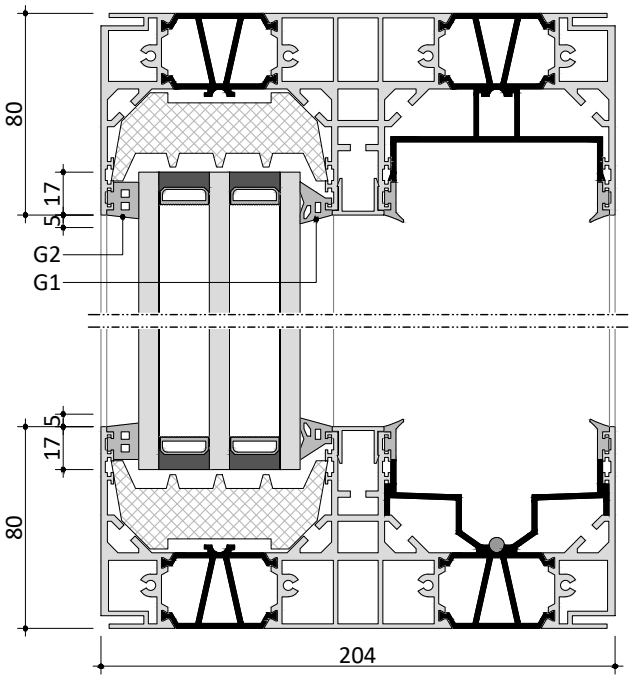


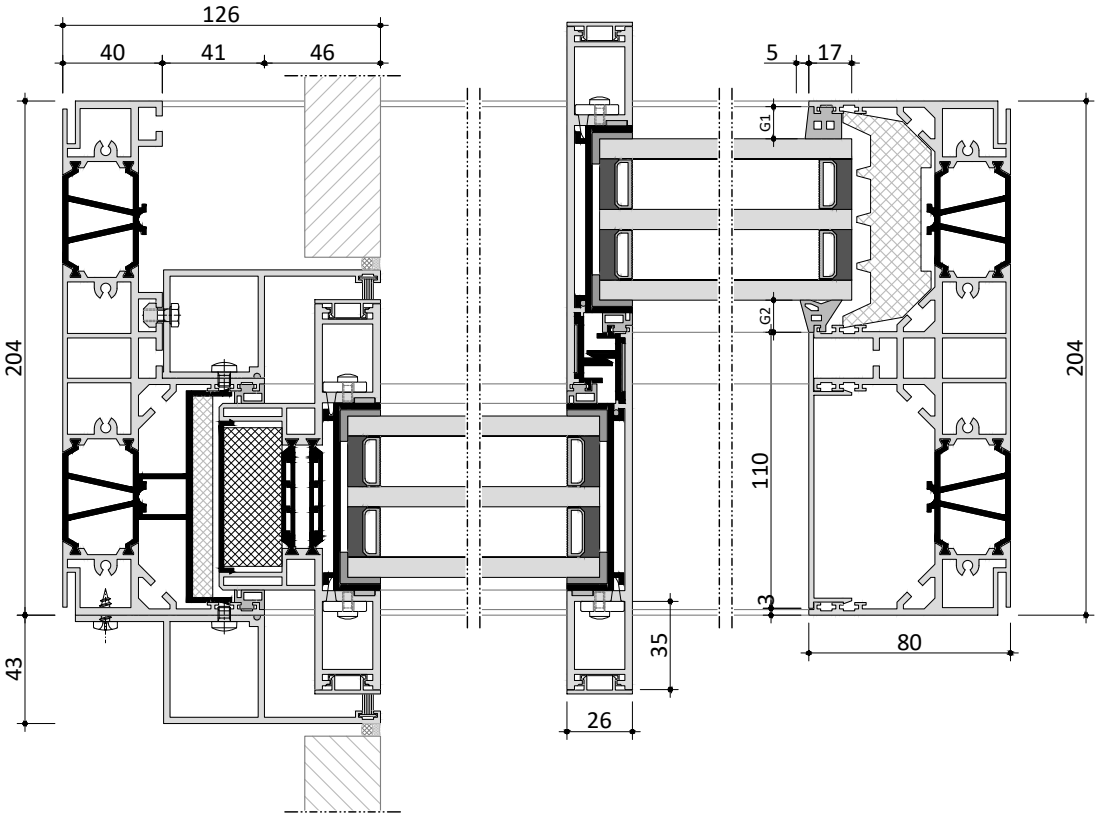


M 1:3 | view - fix to hidden handle

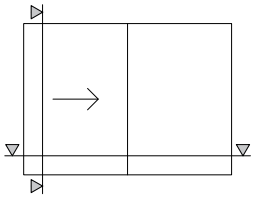


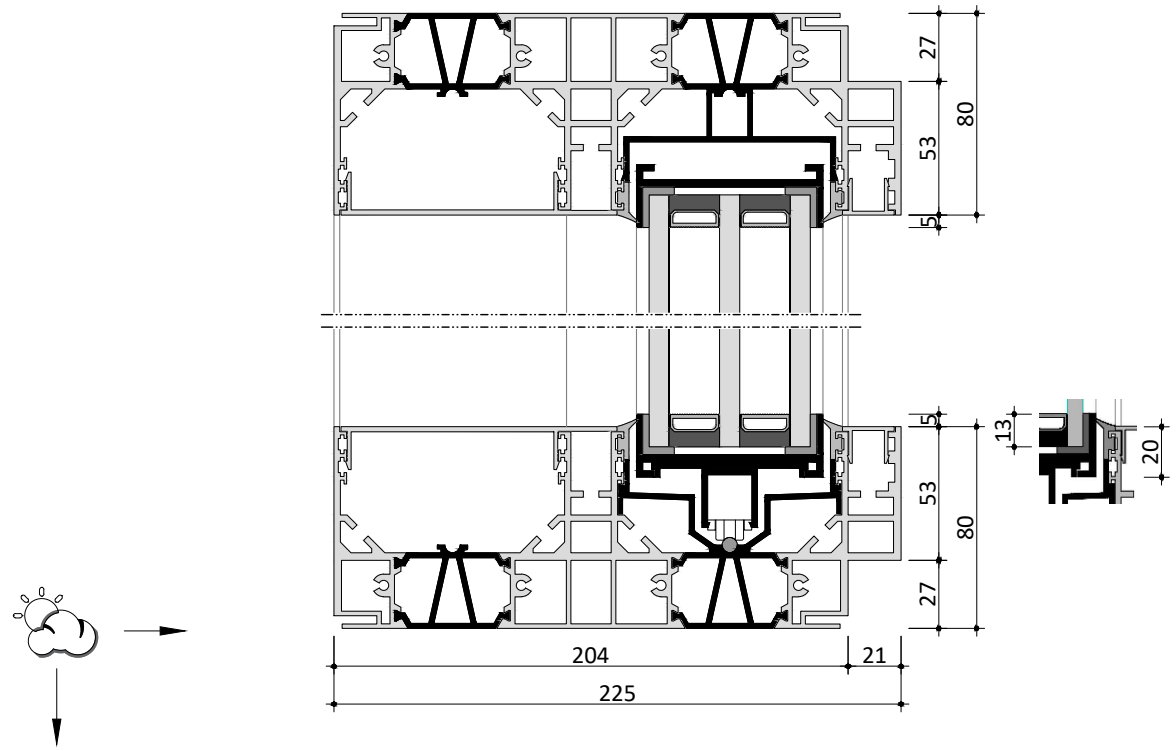
	G1	G2
54mm	15 mm	15 mm
55mm	14 mm	15 mm
56mm	14 mm	15 mm
57mm	13 mm	15 mm
58mm	13 mm	13 mm
59mm	12 mm	13 mm
60mm	12 mm	13 mm
61mm	11 mm	13 mm
62mm	11 mm	11 mm
63mm	10 mm	11 mm
64mm	10 mm	11 mm

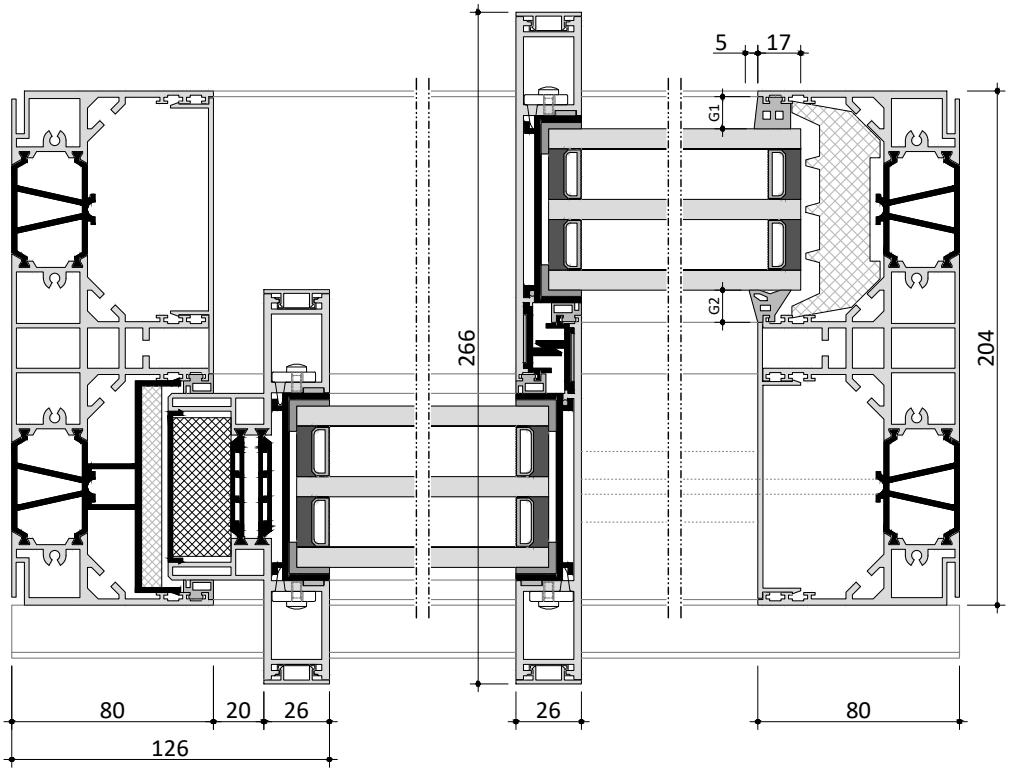




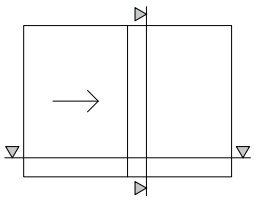
M 1:3 | view - sliding - locking groove



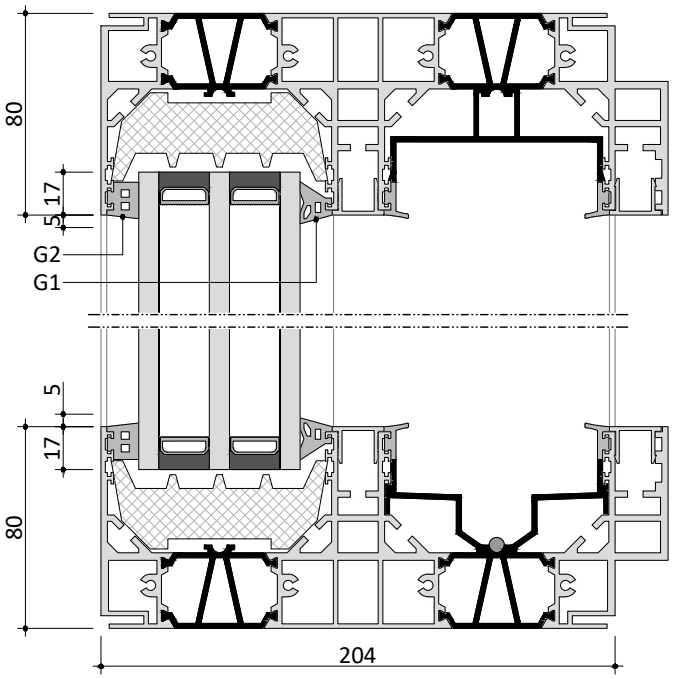


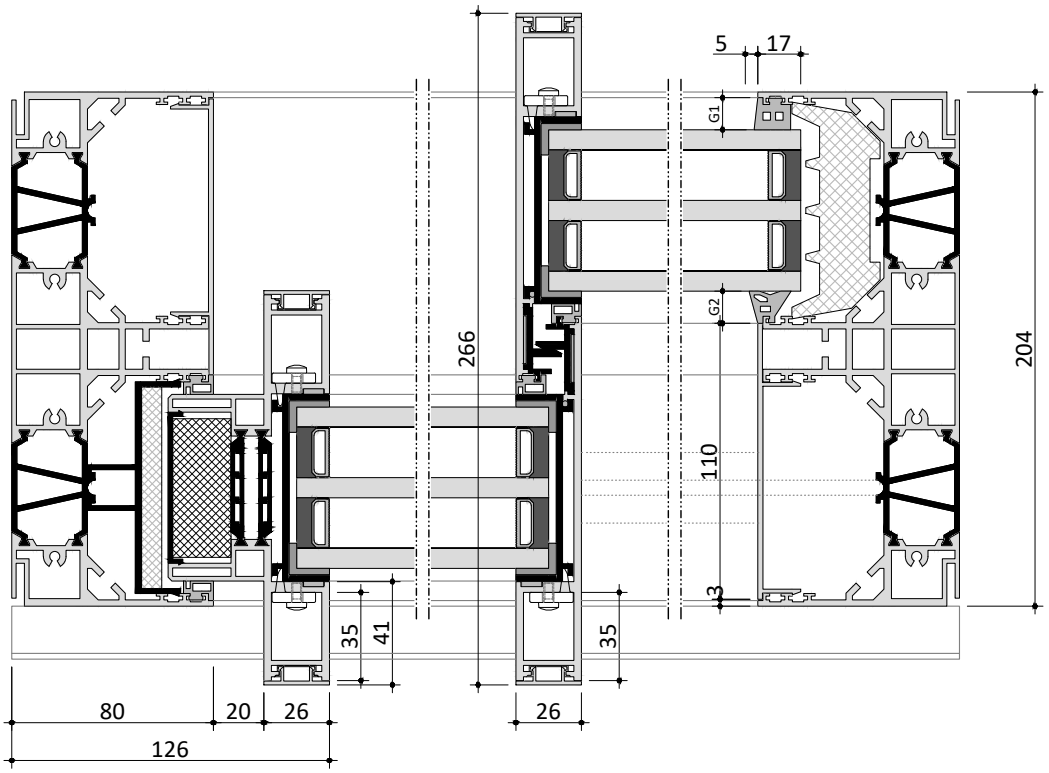


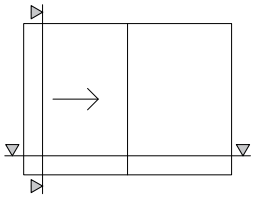
M 1:3 | view - fix - locking groove

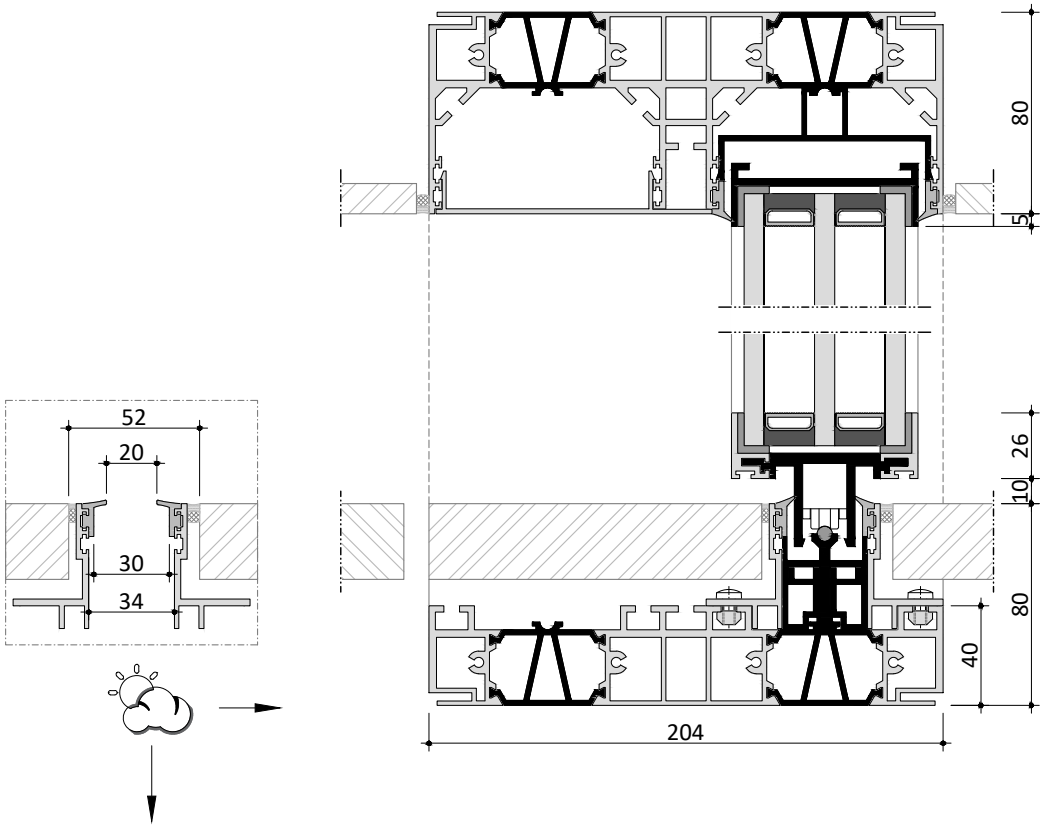


	G1	G2
54mm	15 mm	15 mm
55mm	14 mm	15 mm
56mm	14 mm	15 mm
57mm	13 mm	15 mm
58mm	13 mm	13 mm
59mm	12 mm	13 mm
60mm	12 mm	13 mm
61mm	11 mm	13 mm
62mm	11 mm	11 mm
63mm	10 mm	11 mm
64mm	10 mm	11 mm





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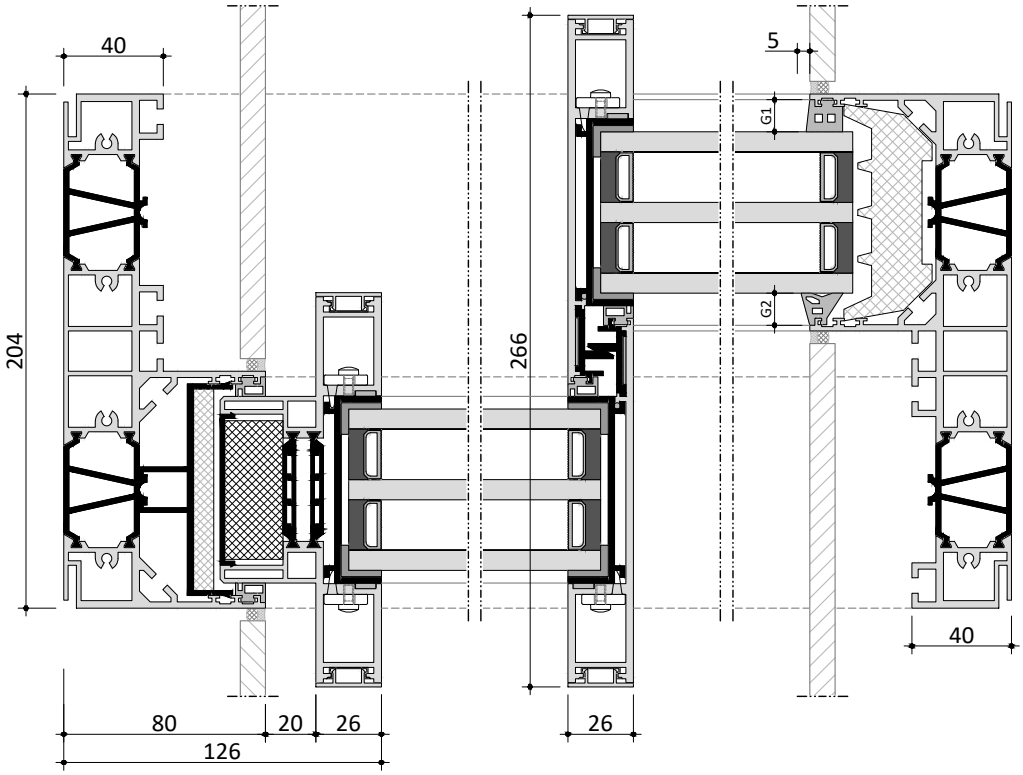
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204
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5
G1
G2
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26
126
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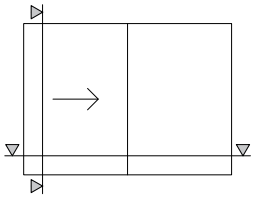

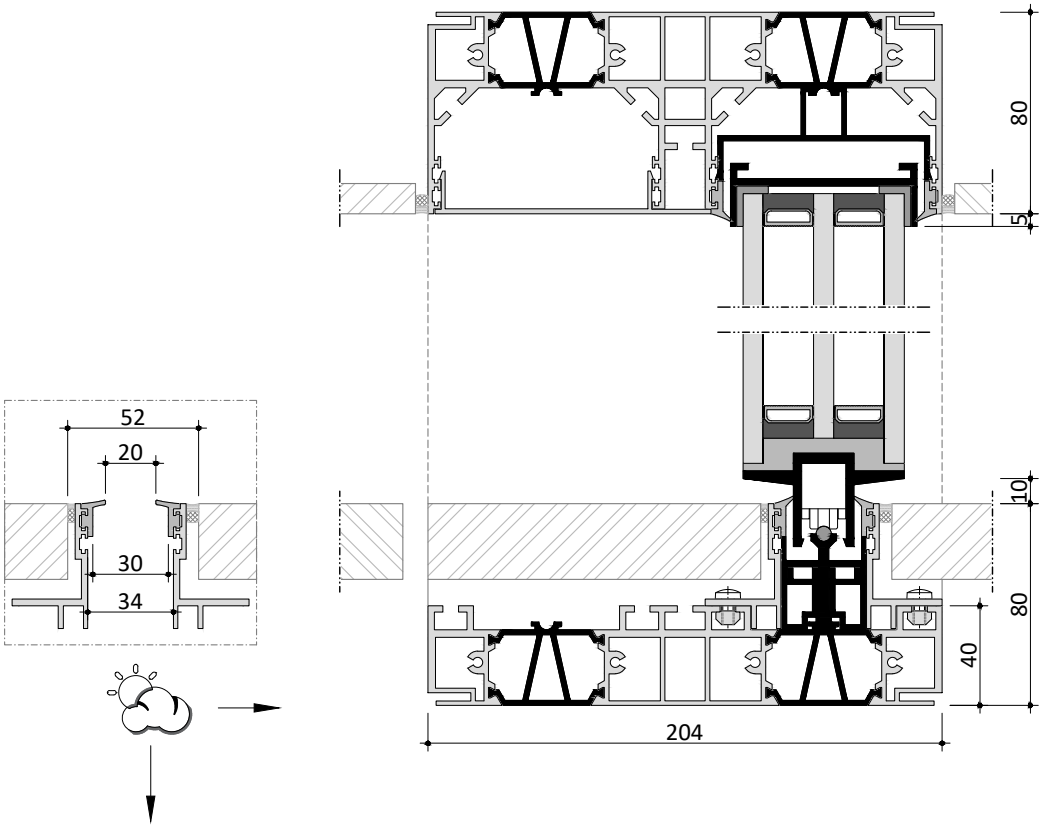
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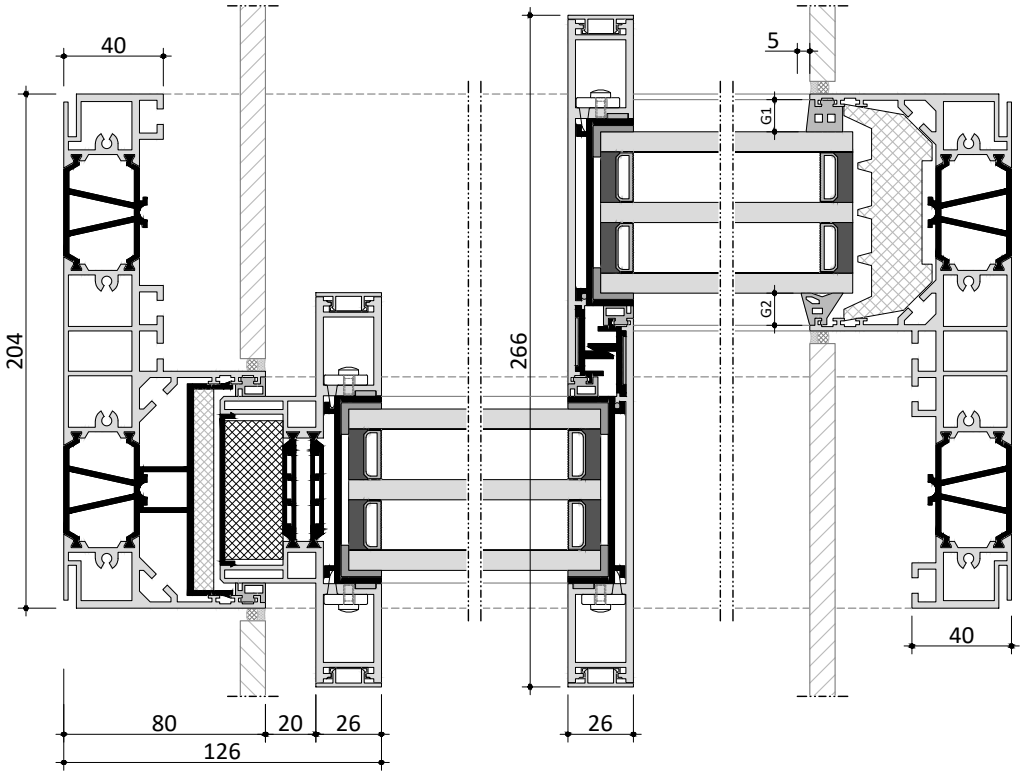
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G1
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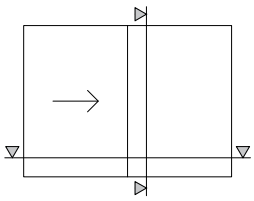
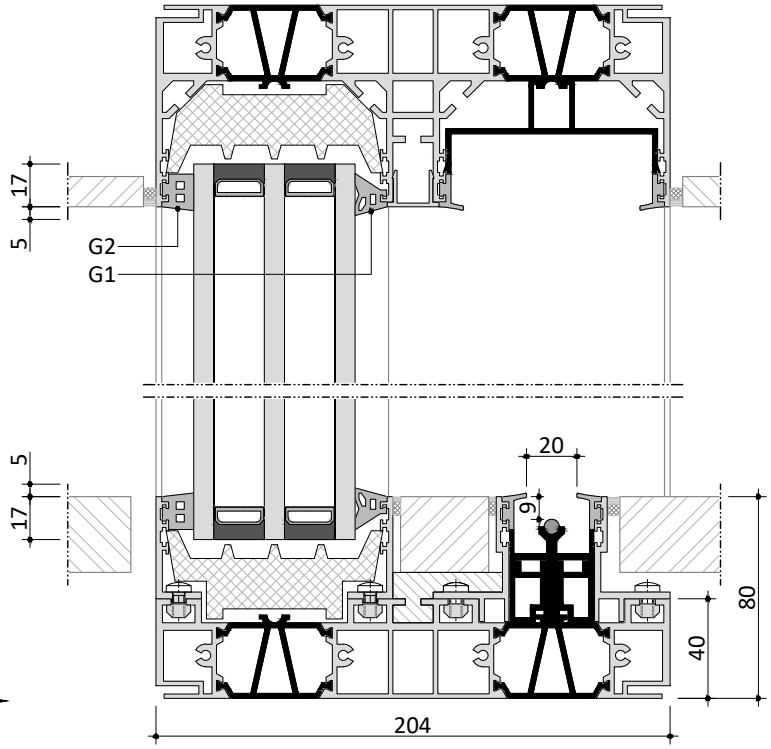
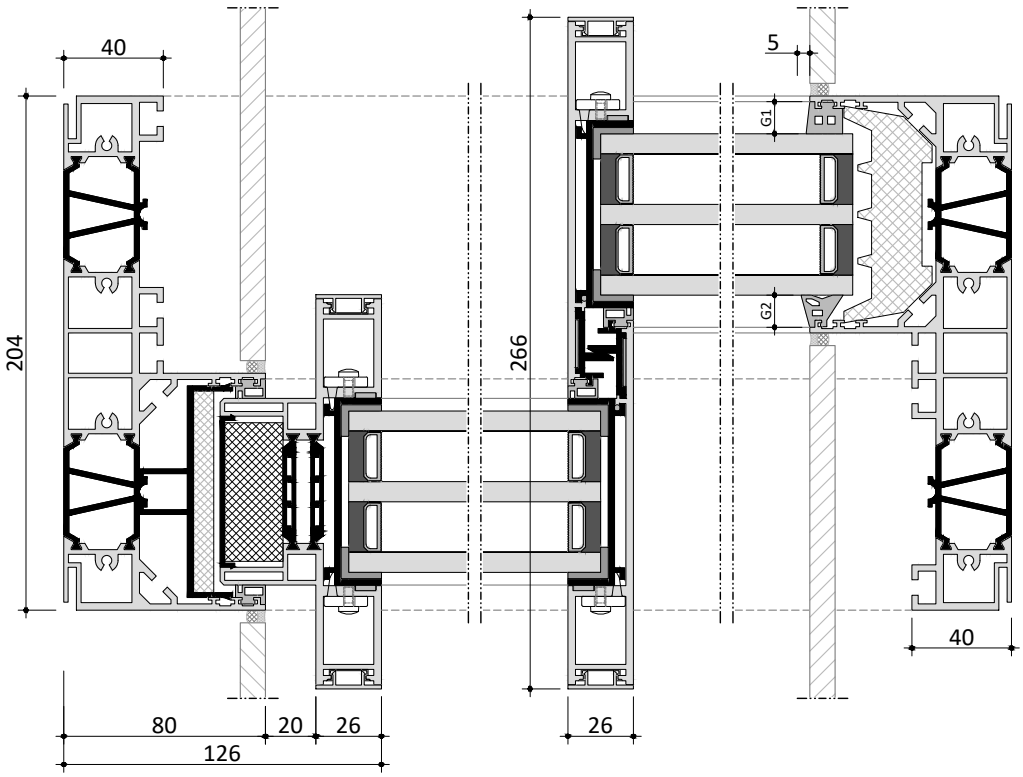
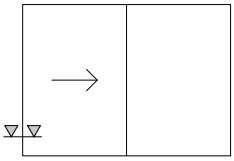
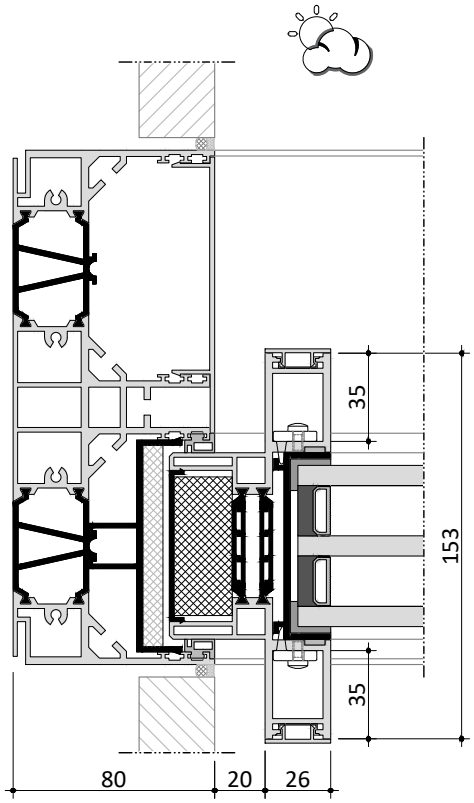


	G1	G2
54mm	15 mm	15 mm
55mm	14 mm	15 mm
56mm	14 mm	15 mm
57mm	13 mm	15 mm
58mm	13 mm	13 mm
59mm	12 mm	13 mm
60mm	12 mm	13 mm
61mm	11 mm	13 mm
62mm	11 mm	11 mm
63mm	10 mm	11 mm
64mm	10 mm	11 mm

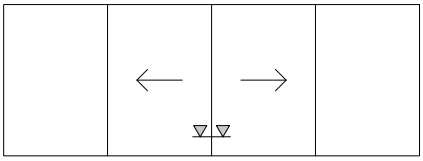


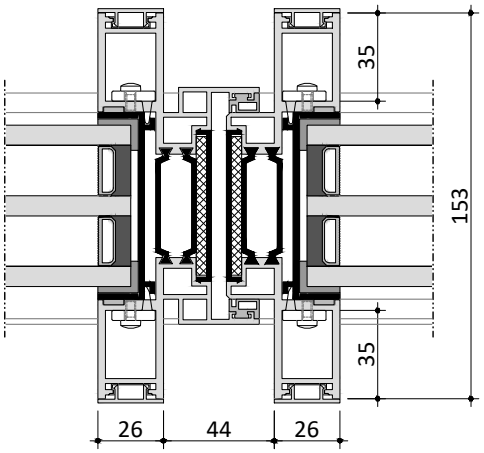




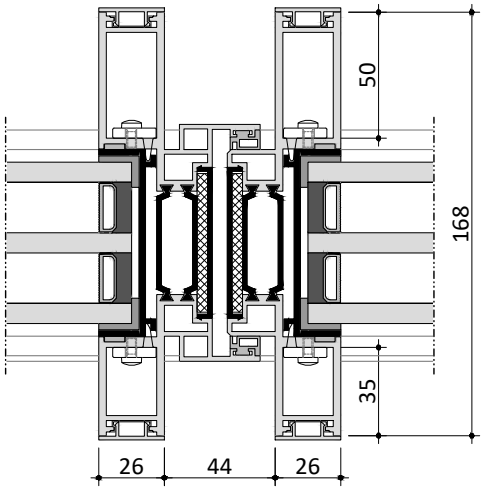


G4

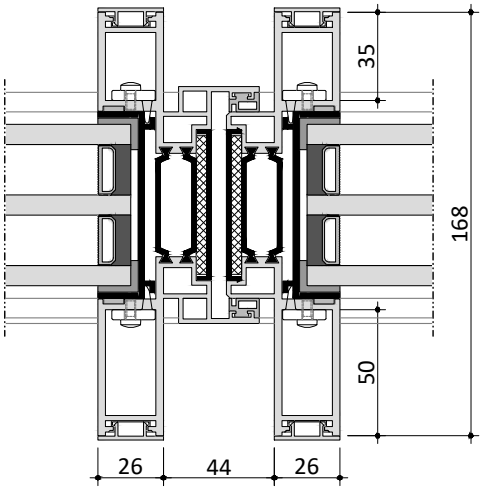




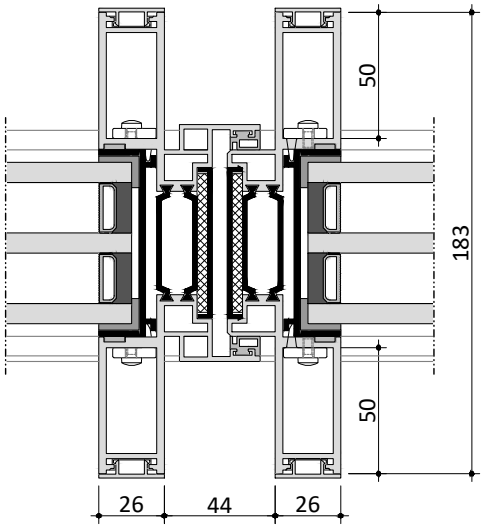
ST4 - G4S



ST5 - G5S



ST6 - G6S



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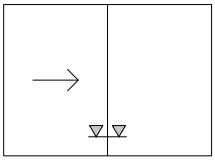
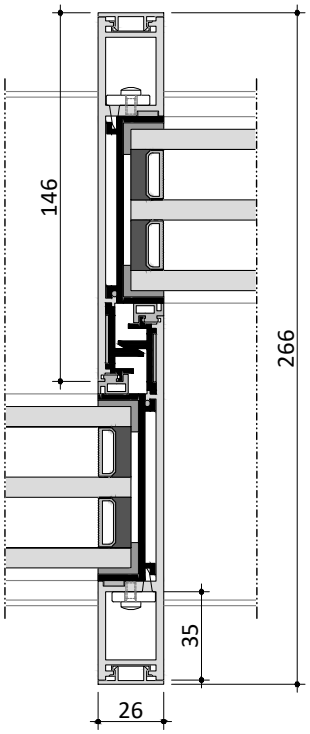
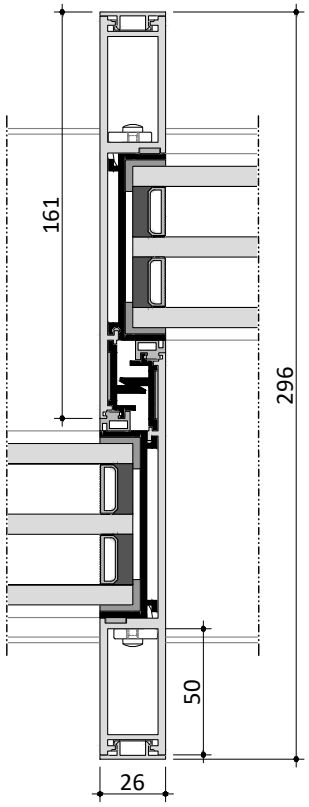




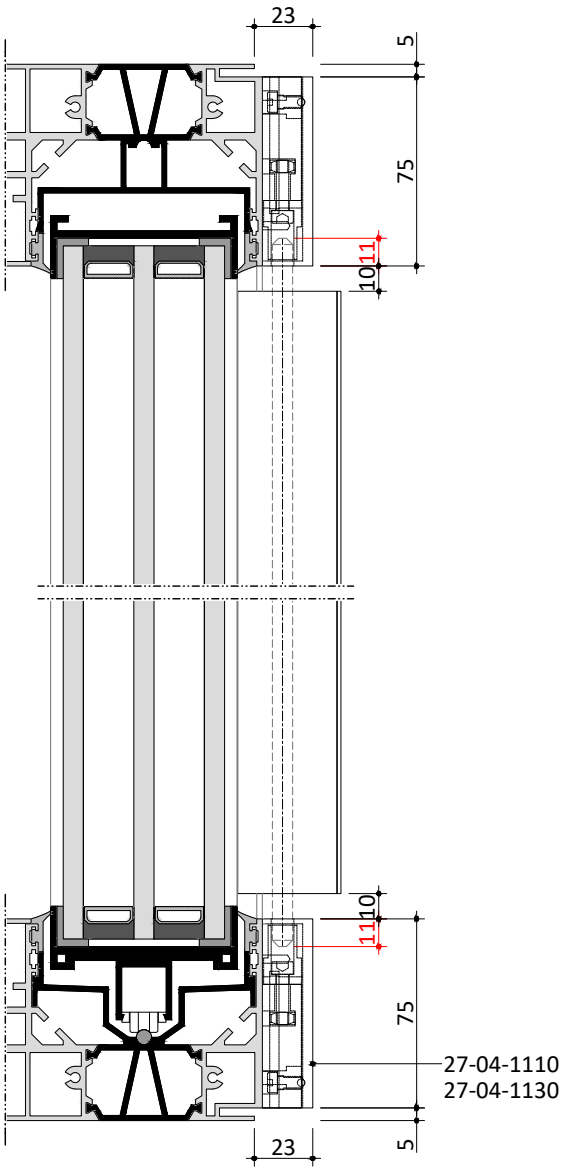
ZK-1



ZK-2

type 1

type 1a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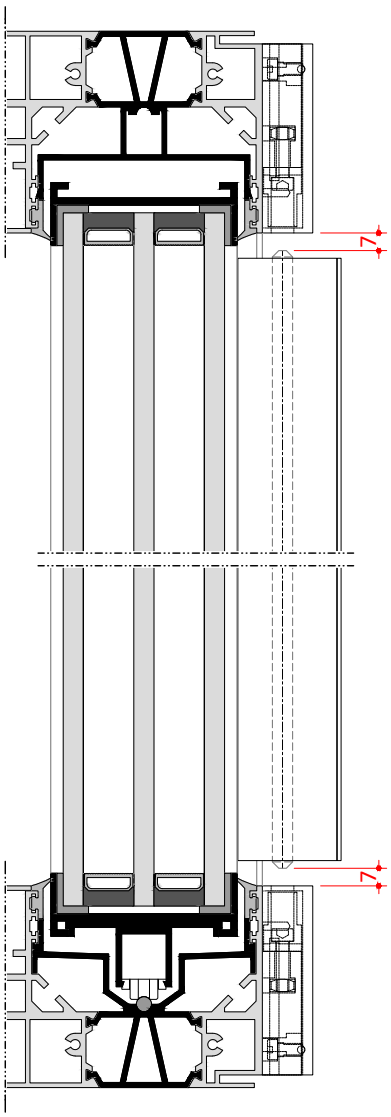
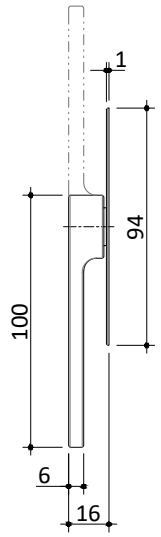
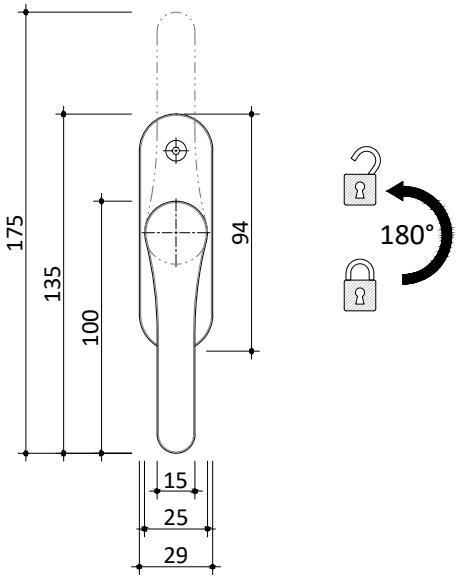
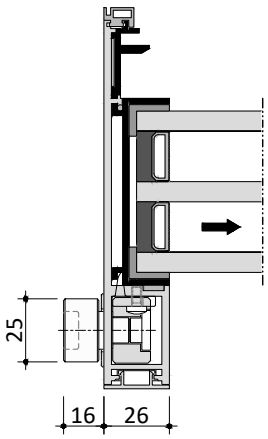
27-04-1110
27-04-1130
23
5

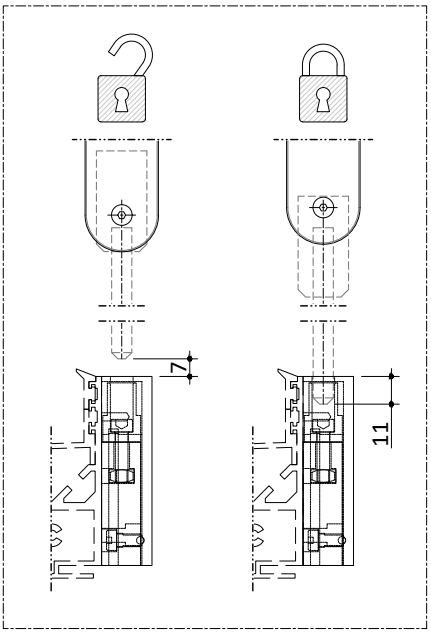

7
7

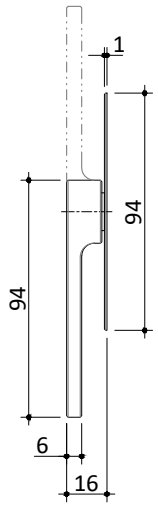
M 1:3 | locking - handle type 1

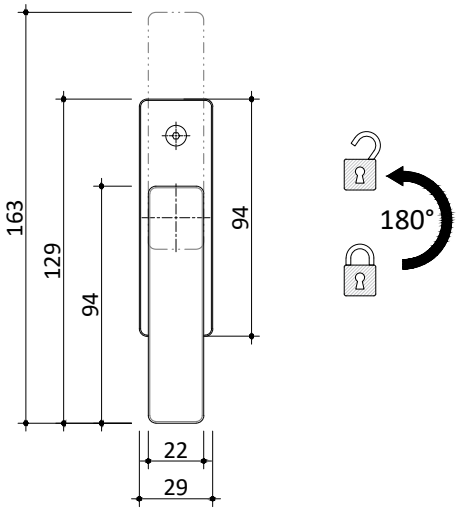


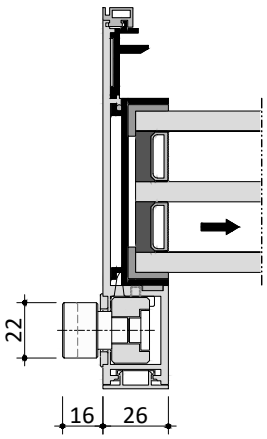







1
94
94
6
16


163
129
94
94
22
29
180°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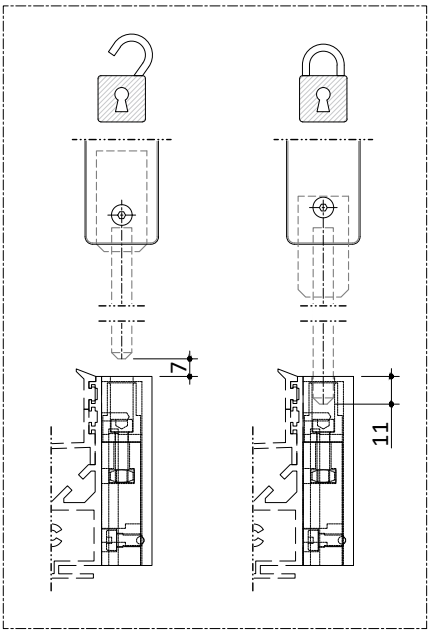
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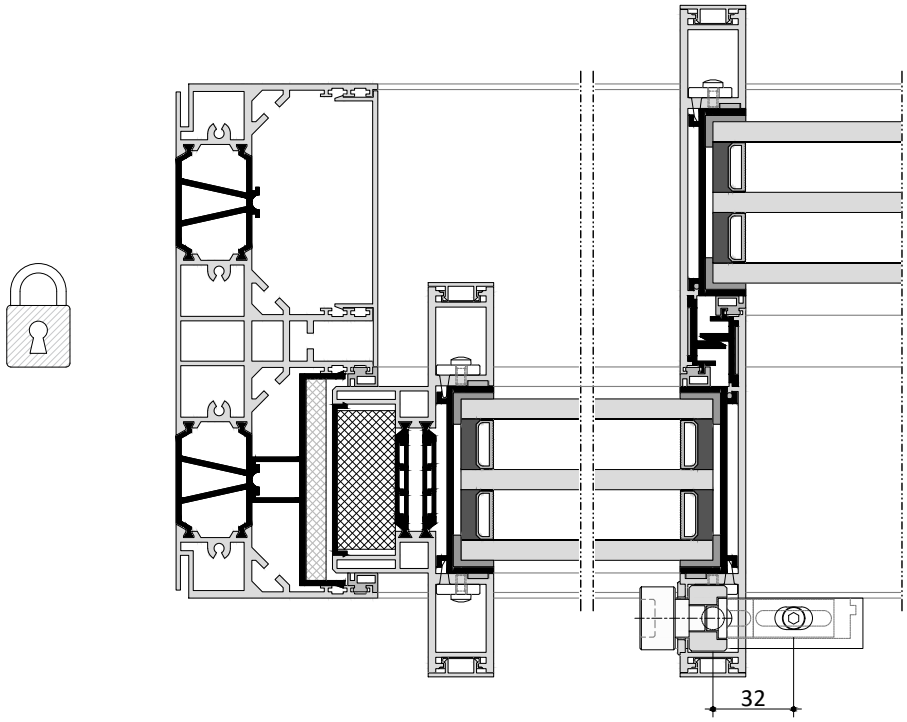
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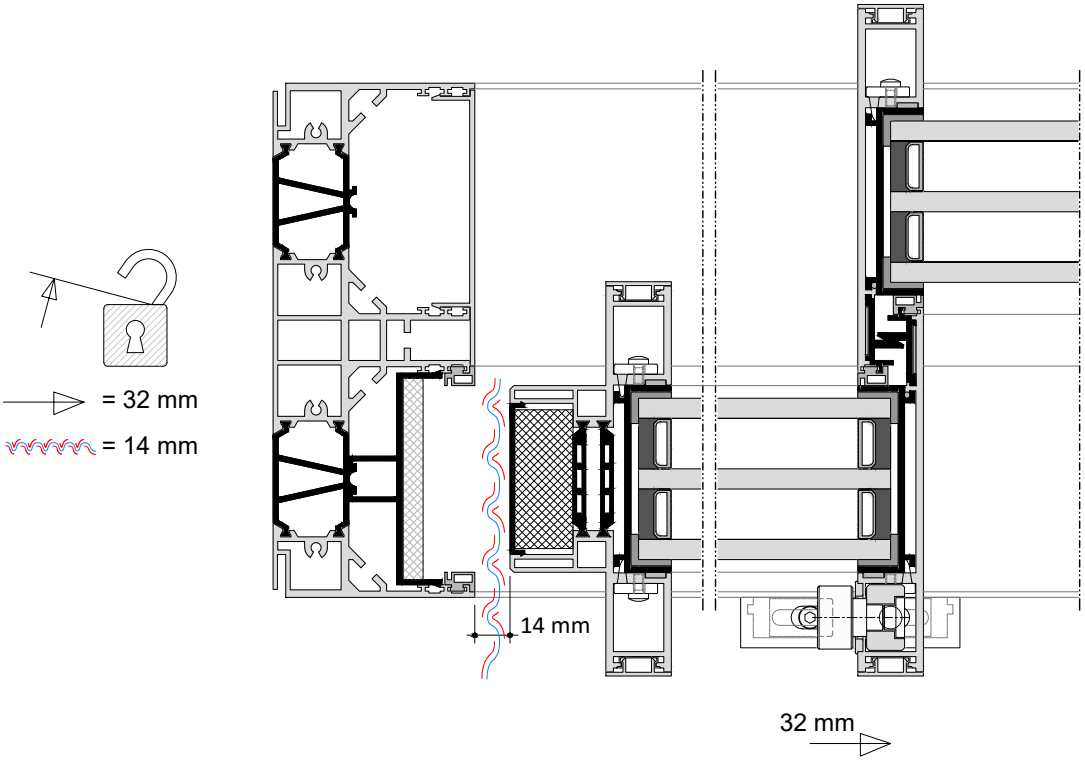
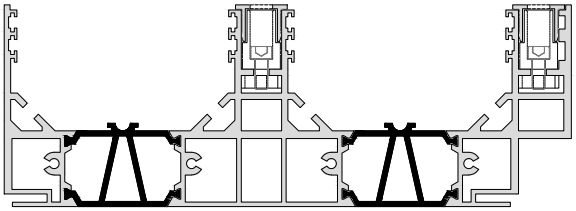
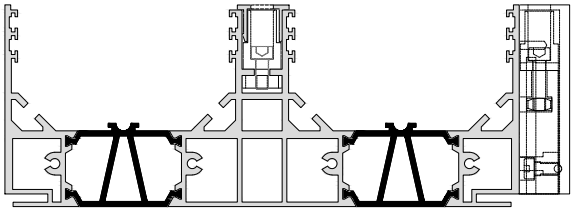

= 32 mm
= 14 mm
14 mm
32 mm

built-in

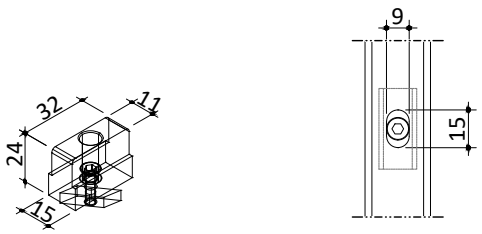
built up



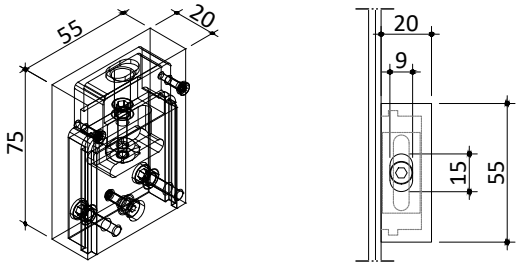
outer frame
standard



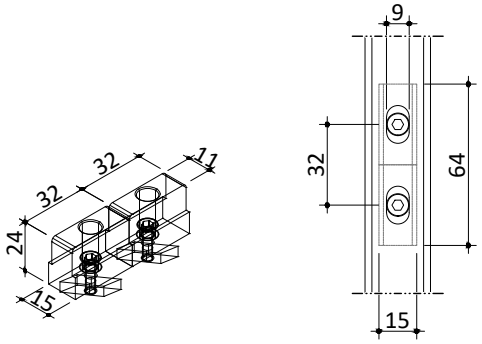
outer frame
with locking groove



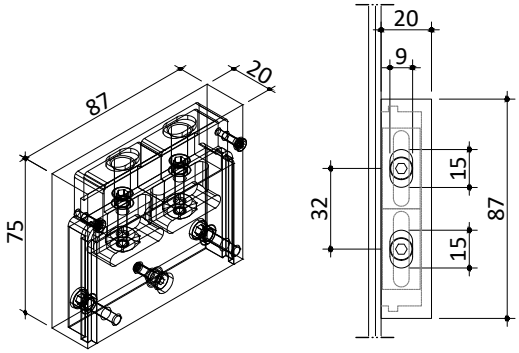
built-in simple



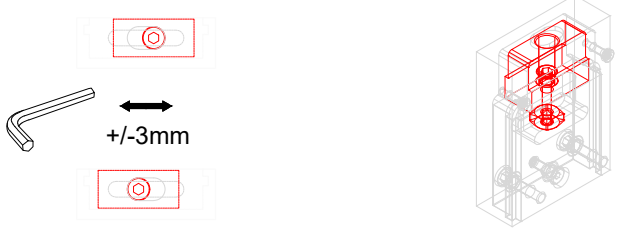
built up simple



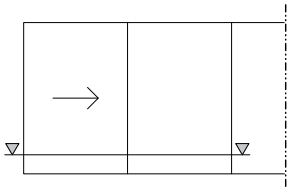
built-in slot aeration

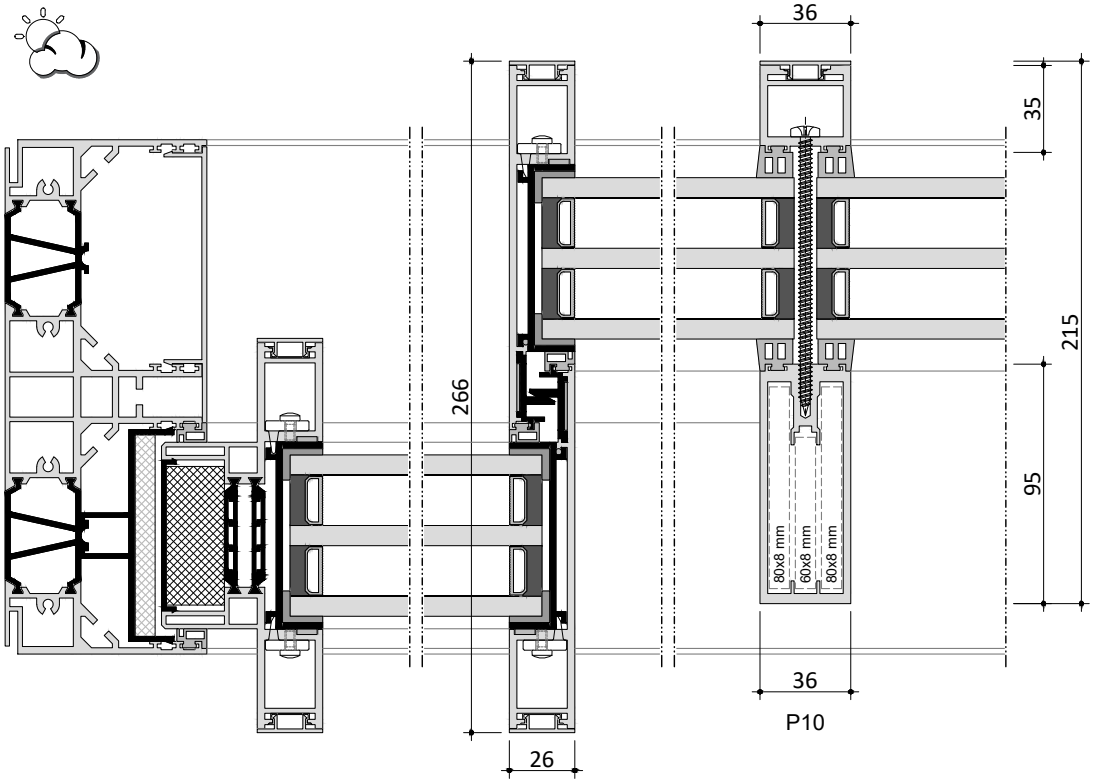


built up slot aeration



adjustment +/-3 mm (*)
(*) even after full installation and finish



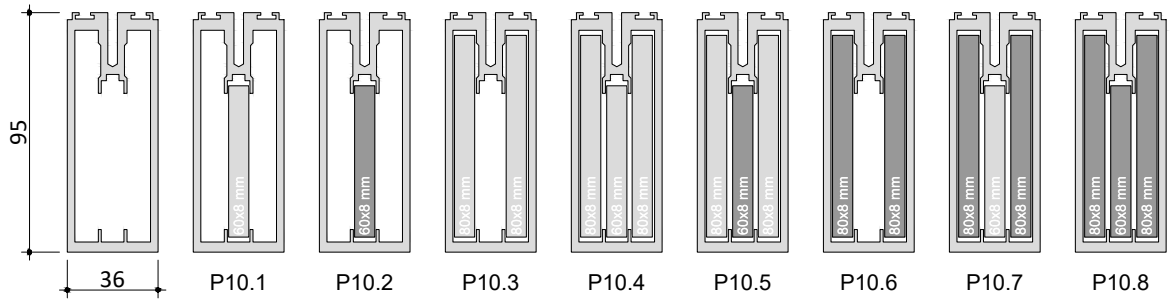


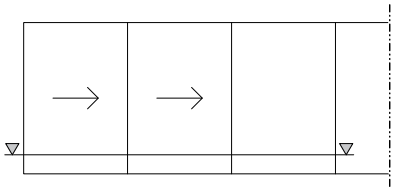
30-01-060x08 (alu)
60x8 mm

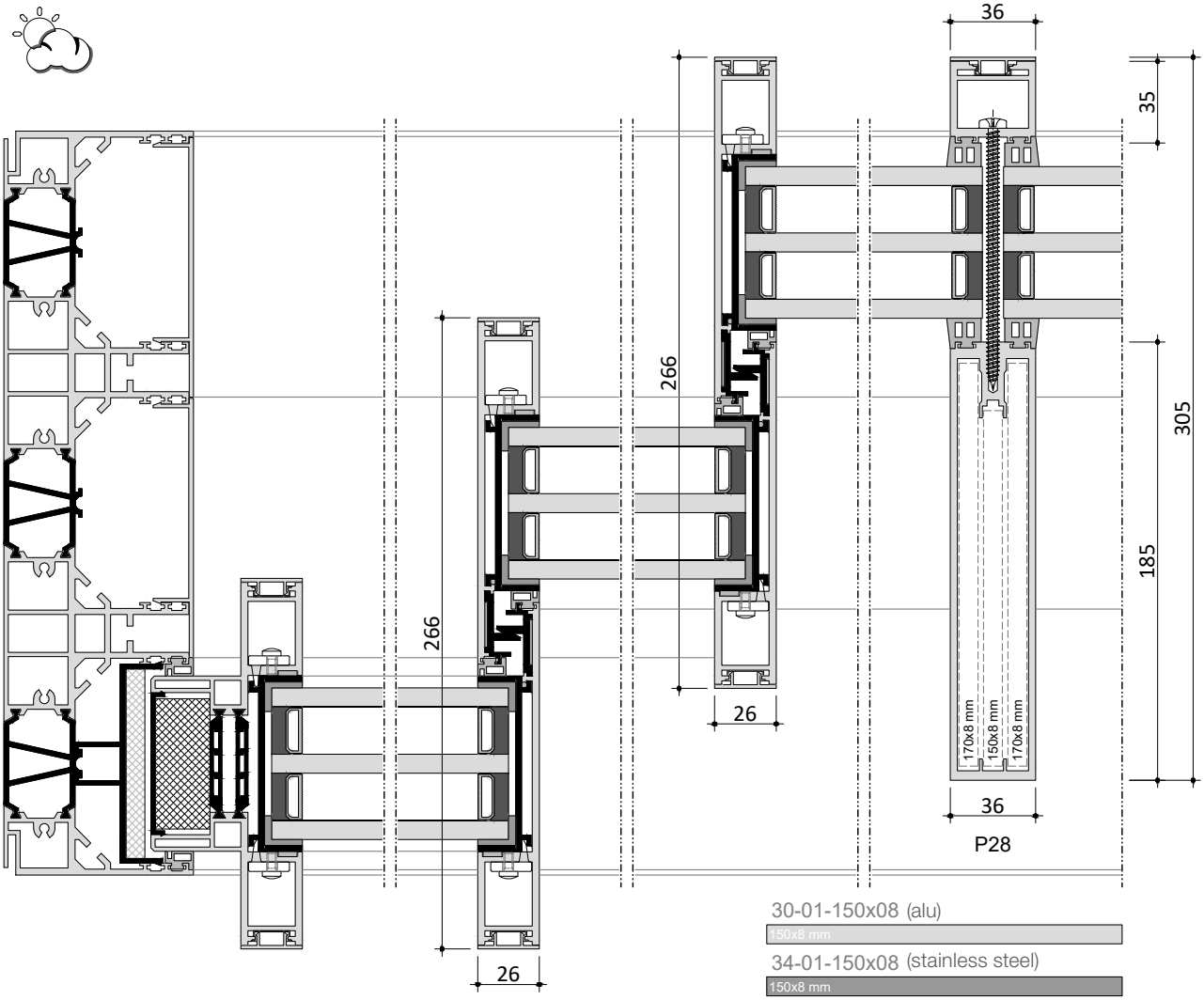
34-01-060x08 (stainless steel)
60x8 mm

30-01-080x08 (alu)
80x8 mm

34-01-080x08 (stainless steel)
80x8 mm





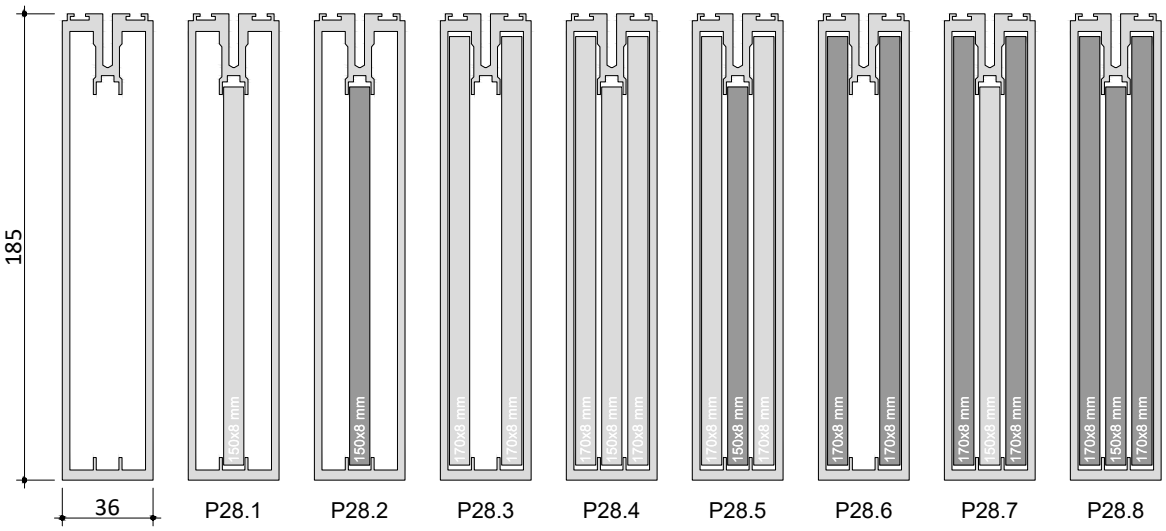


30-01-150x08 (alu)
150x8 mm

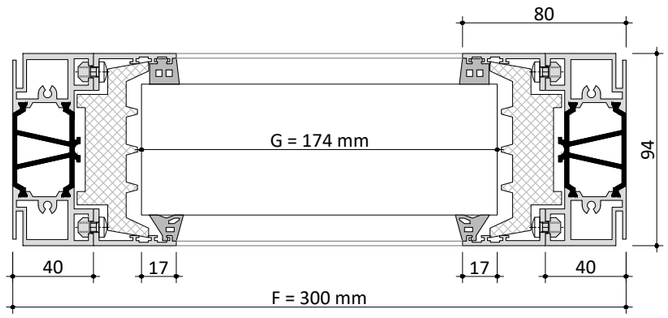
34-01-150x08 (stainless steel)
150x8 mm

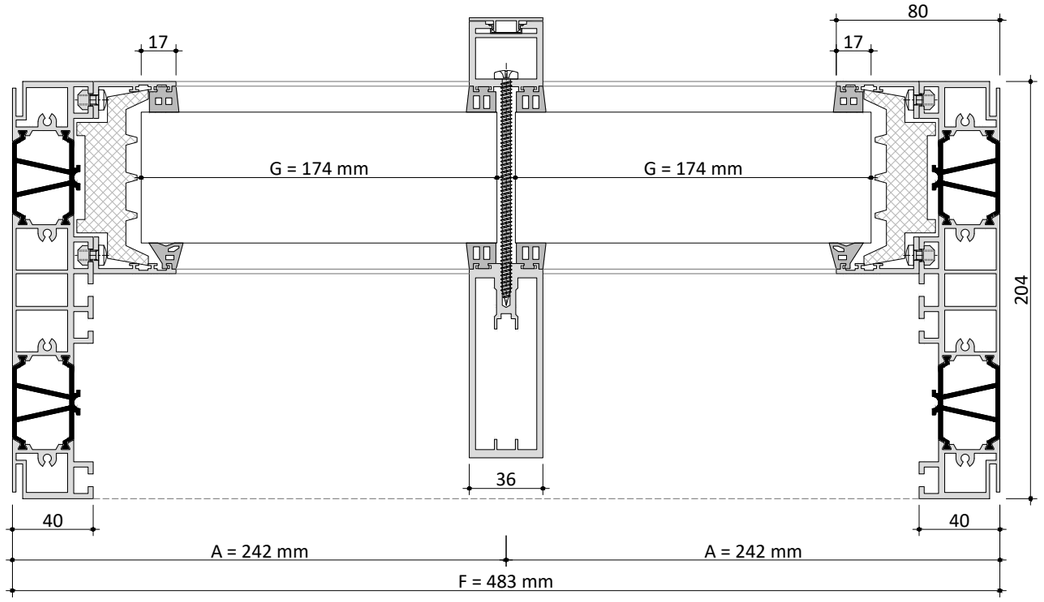
30-01-170x08 (alu)
170x8 mm

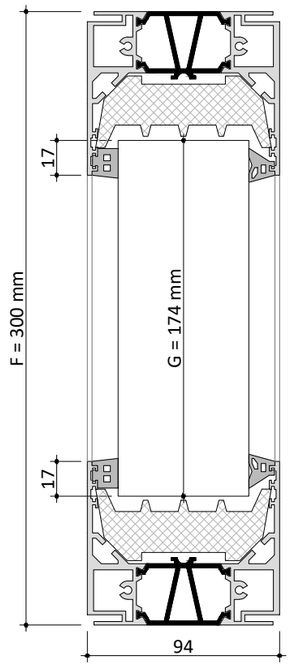
34-01-170x08 (stainless steel)
170x8 mm

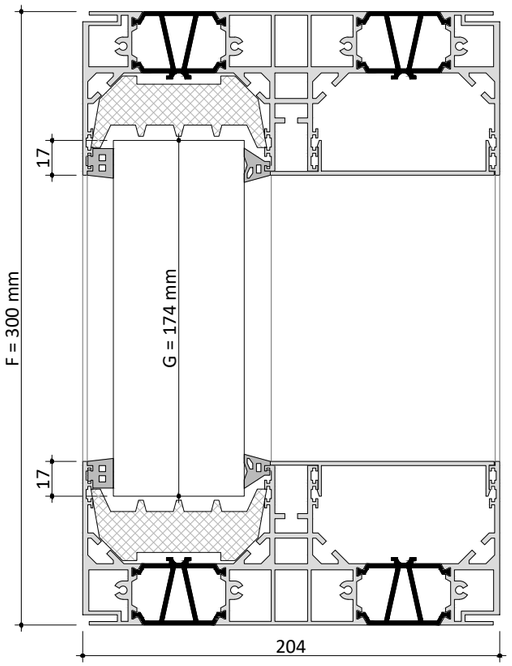


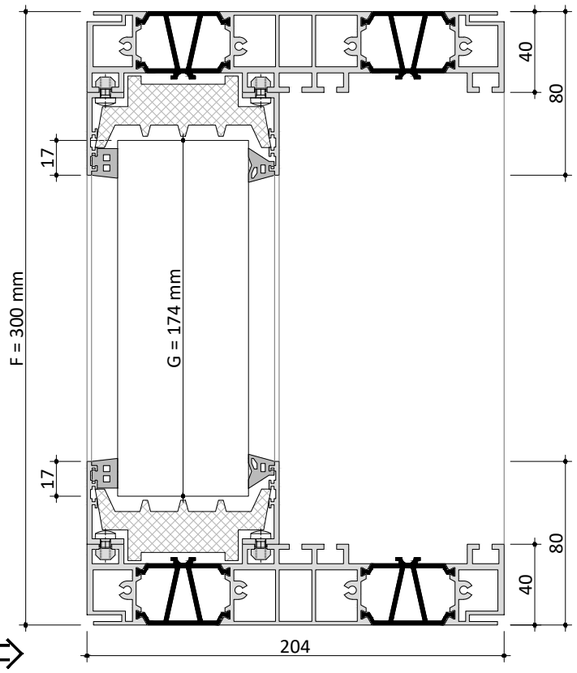
LEGENDE
F = Outer frame dimensions
L = Leaf dimensions
G = Glass dimensions
A = Axis











The main purpose of this cross-section is that the compositions are drawn and that the cross-sections are made to the desired size in AutoCAD by means of stretching.

LEGENDE
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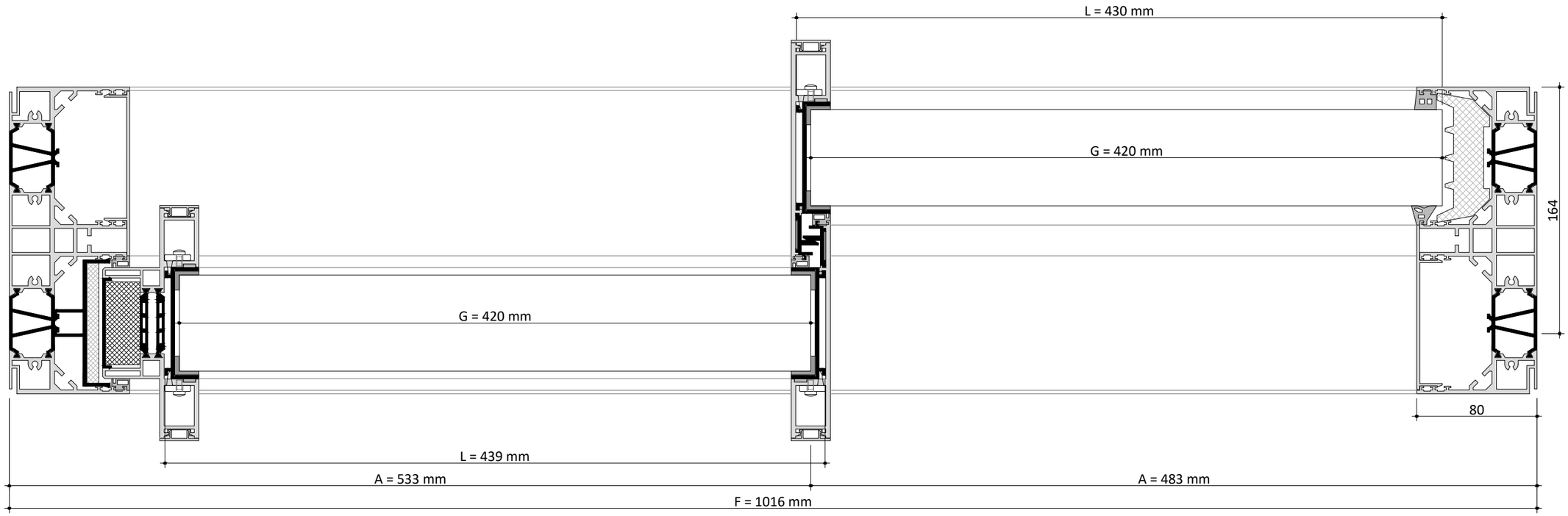
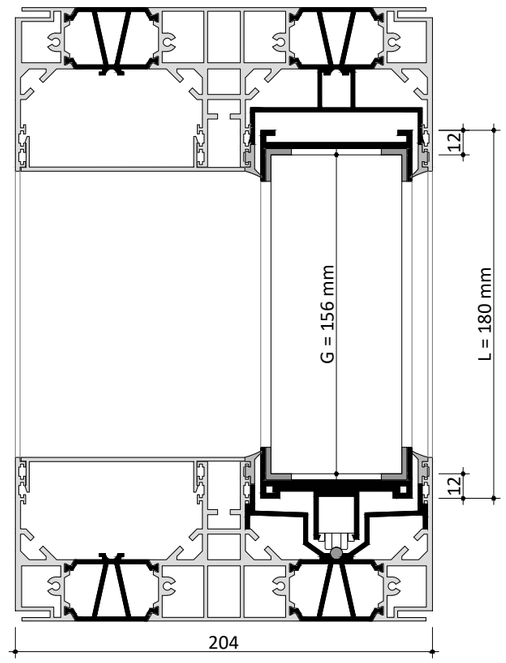
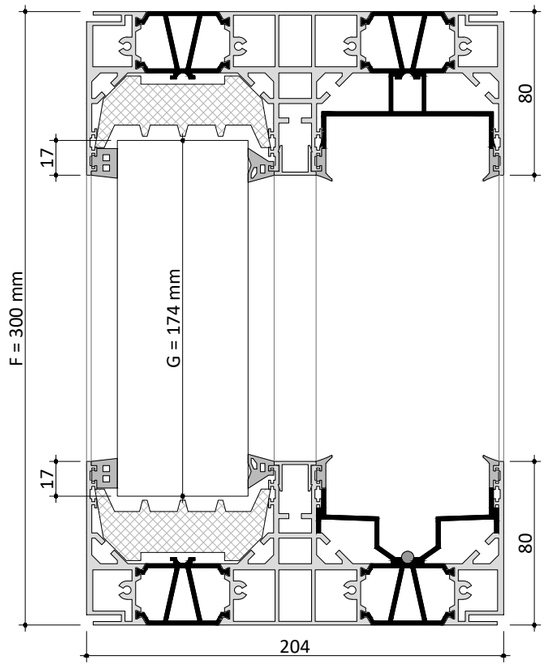
A = Axis







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LEGENDE
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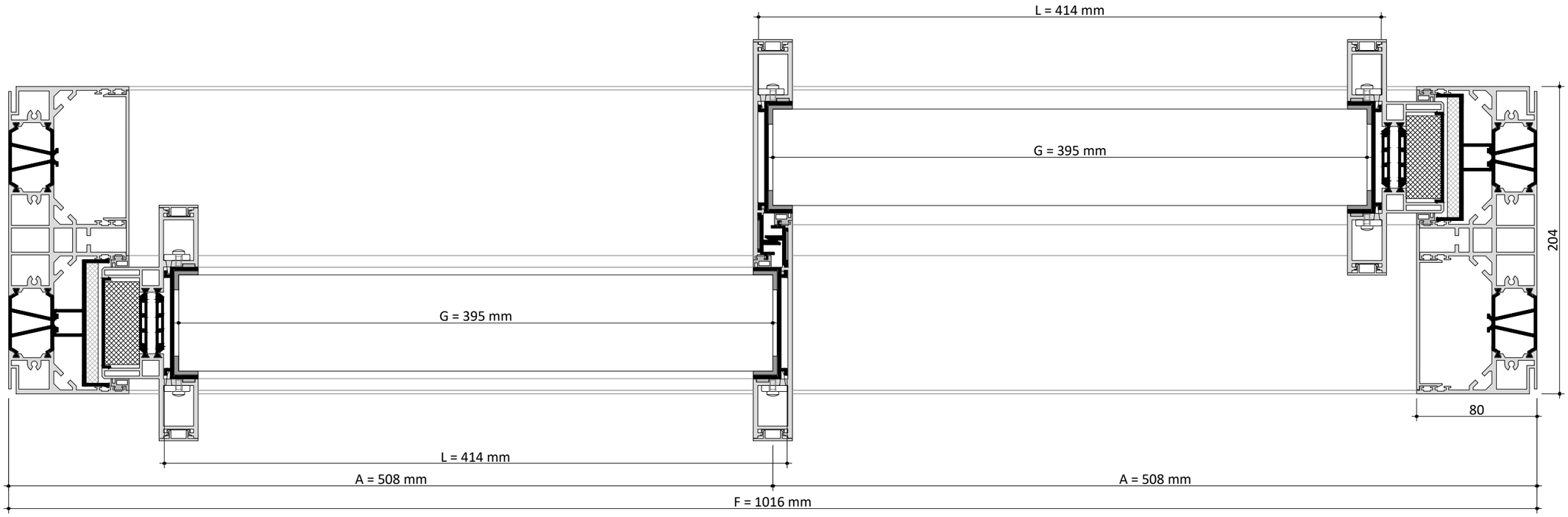
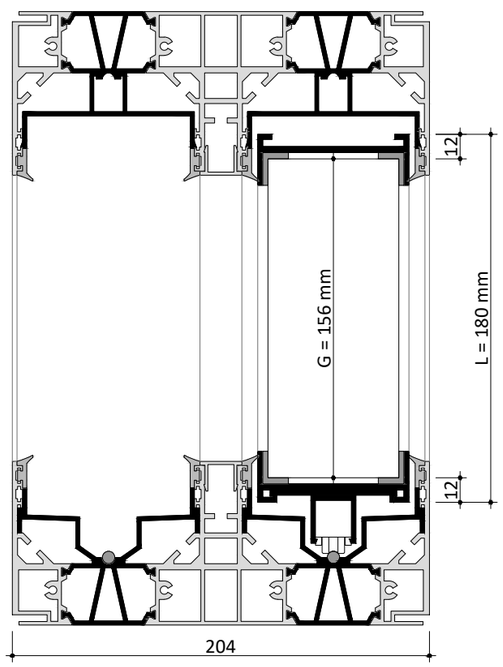
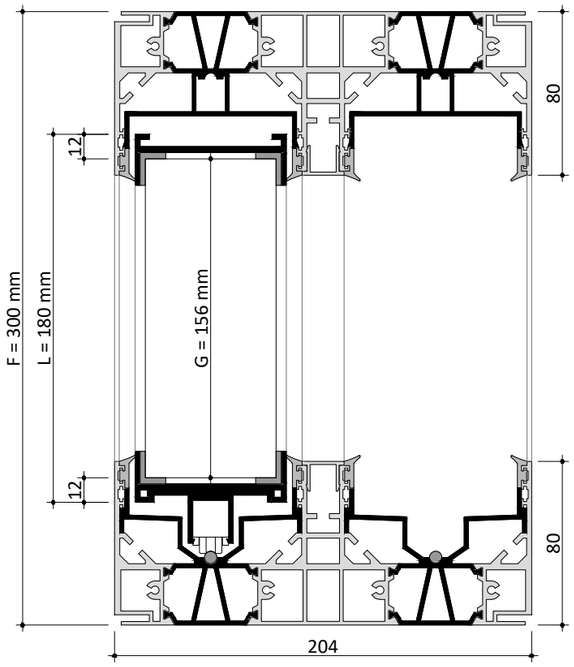
A = Axis







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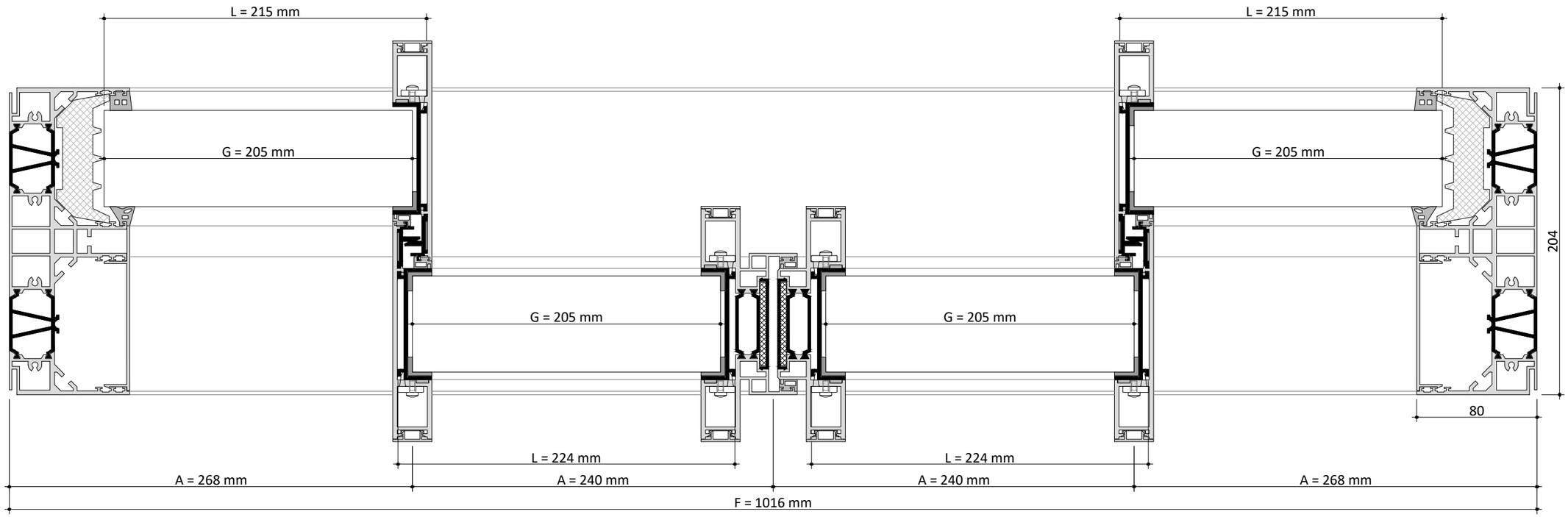

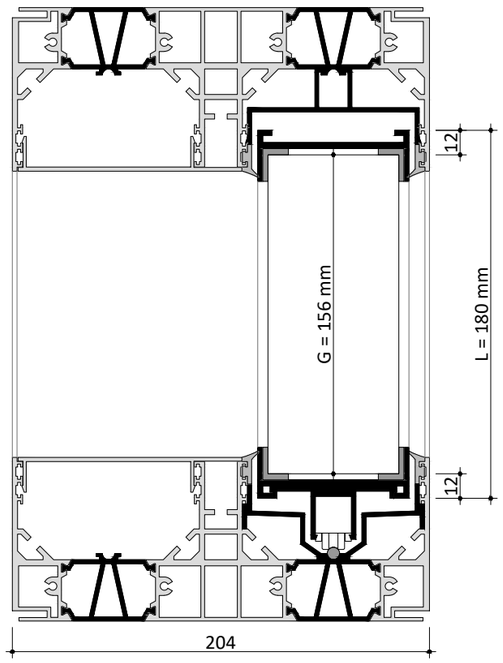

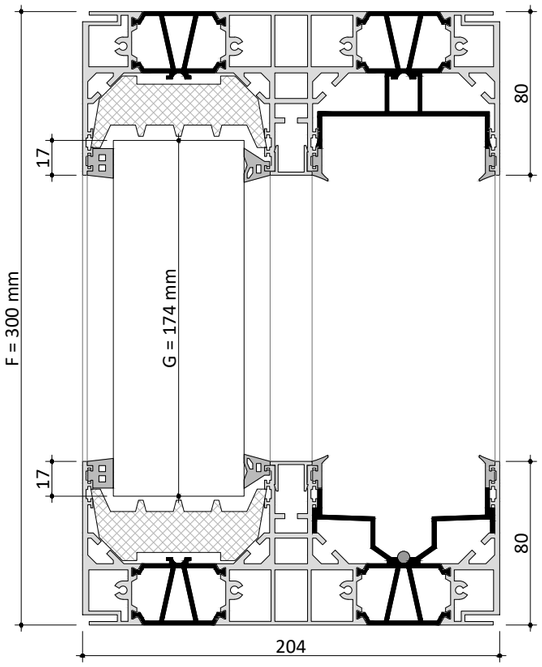

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LEGENDE
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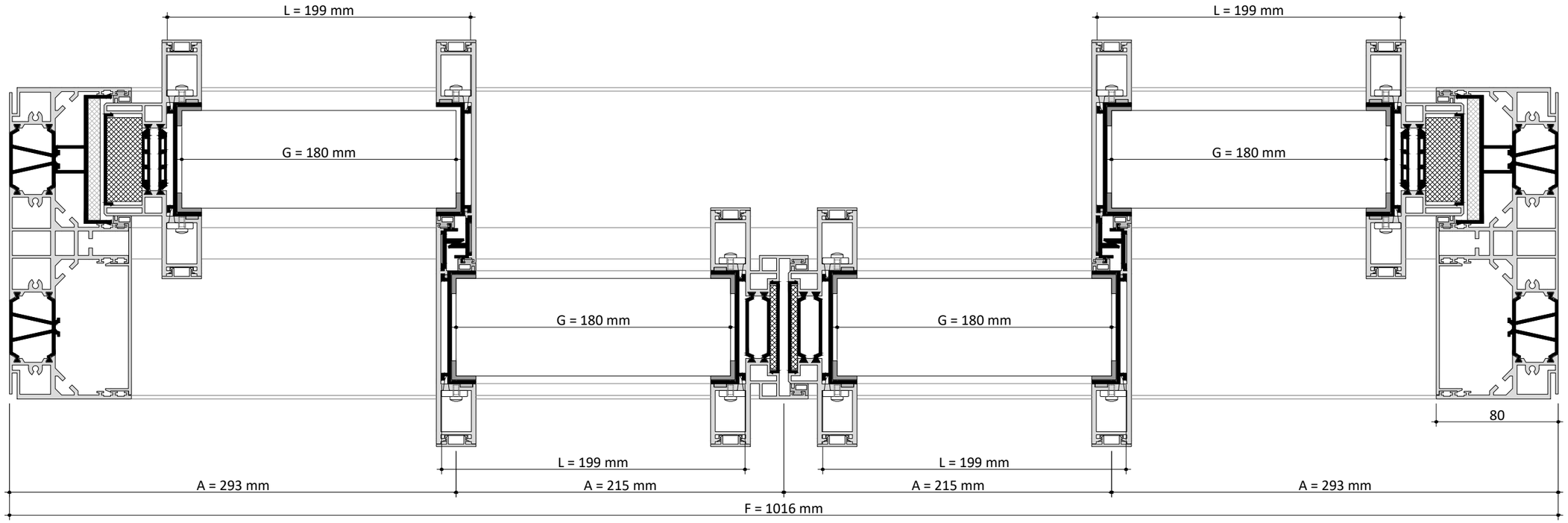

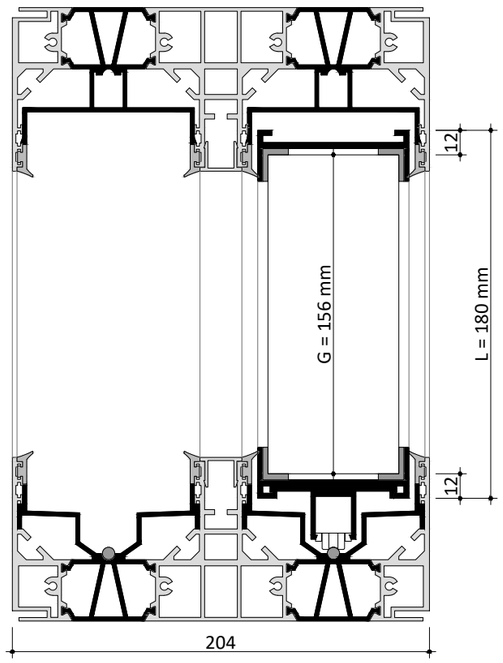

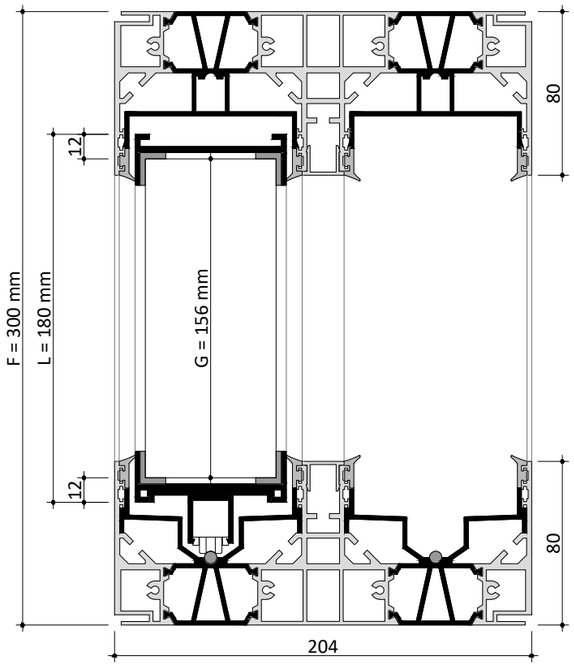

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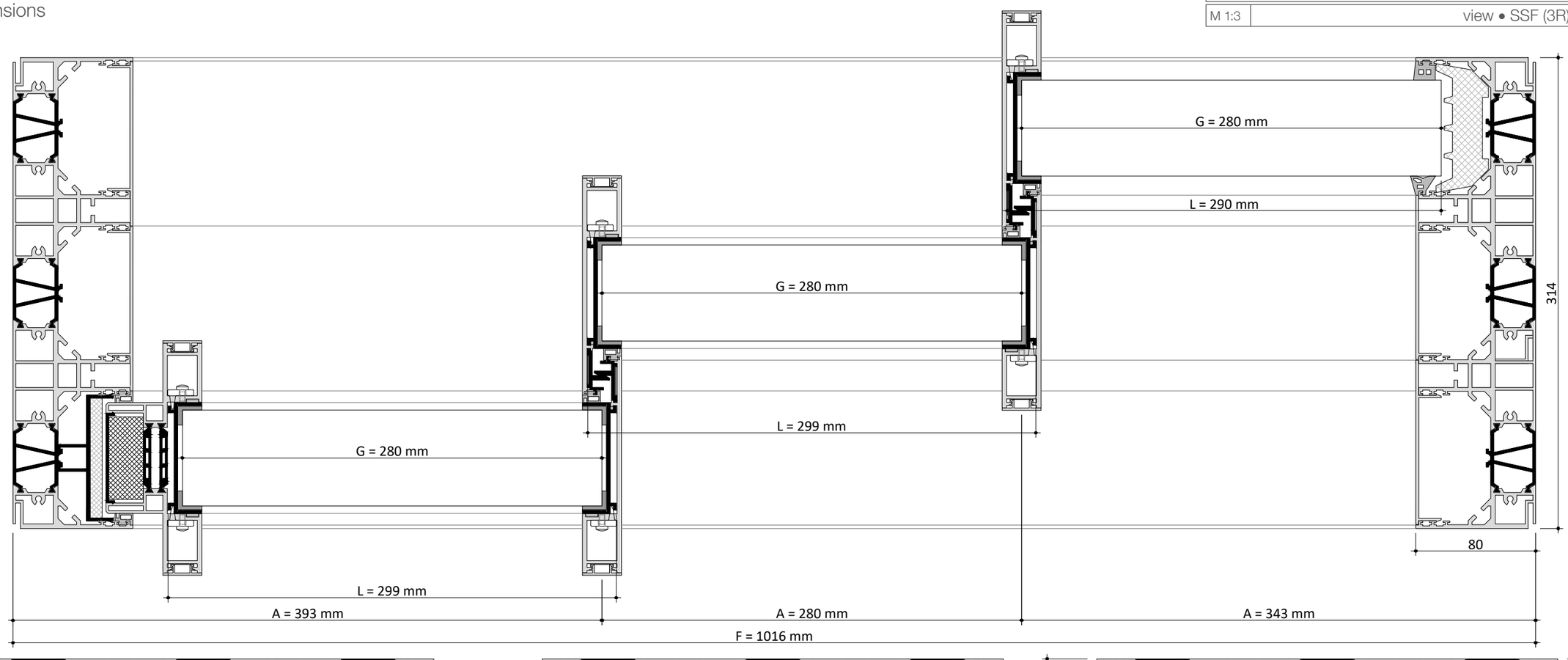
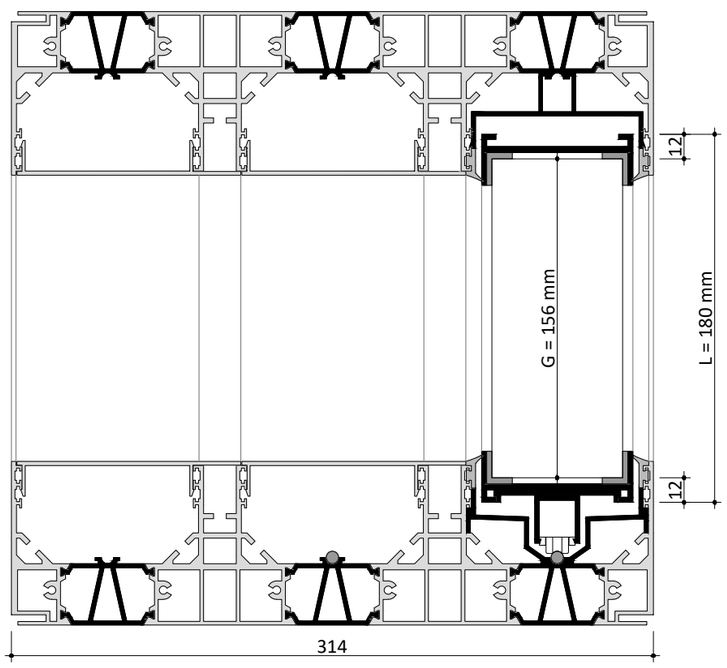
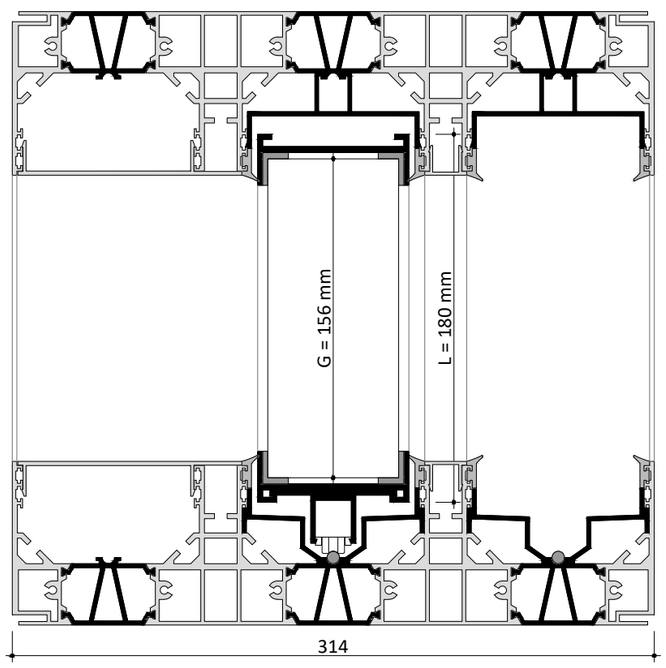
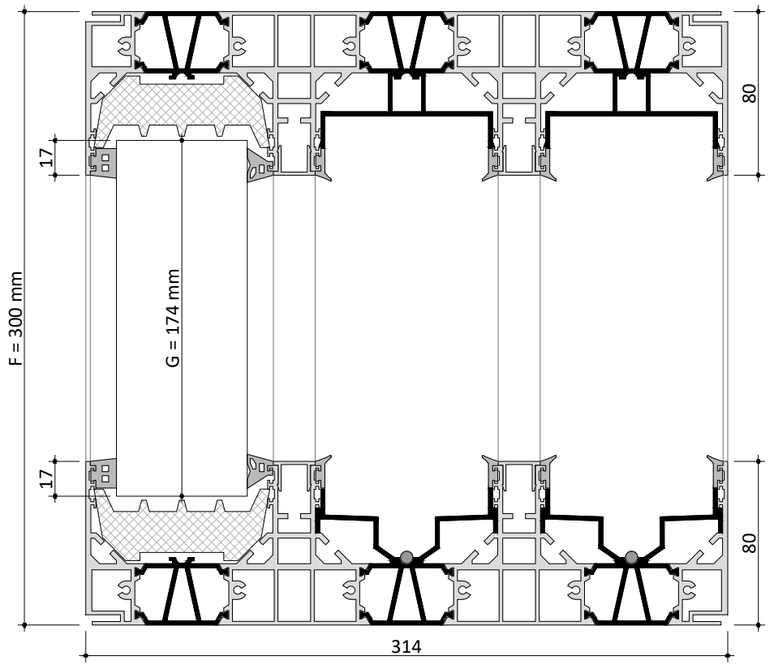
A = Axis









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LEGENDE
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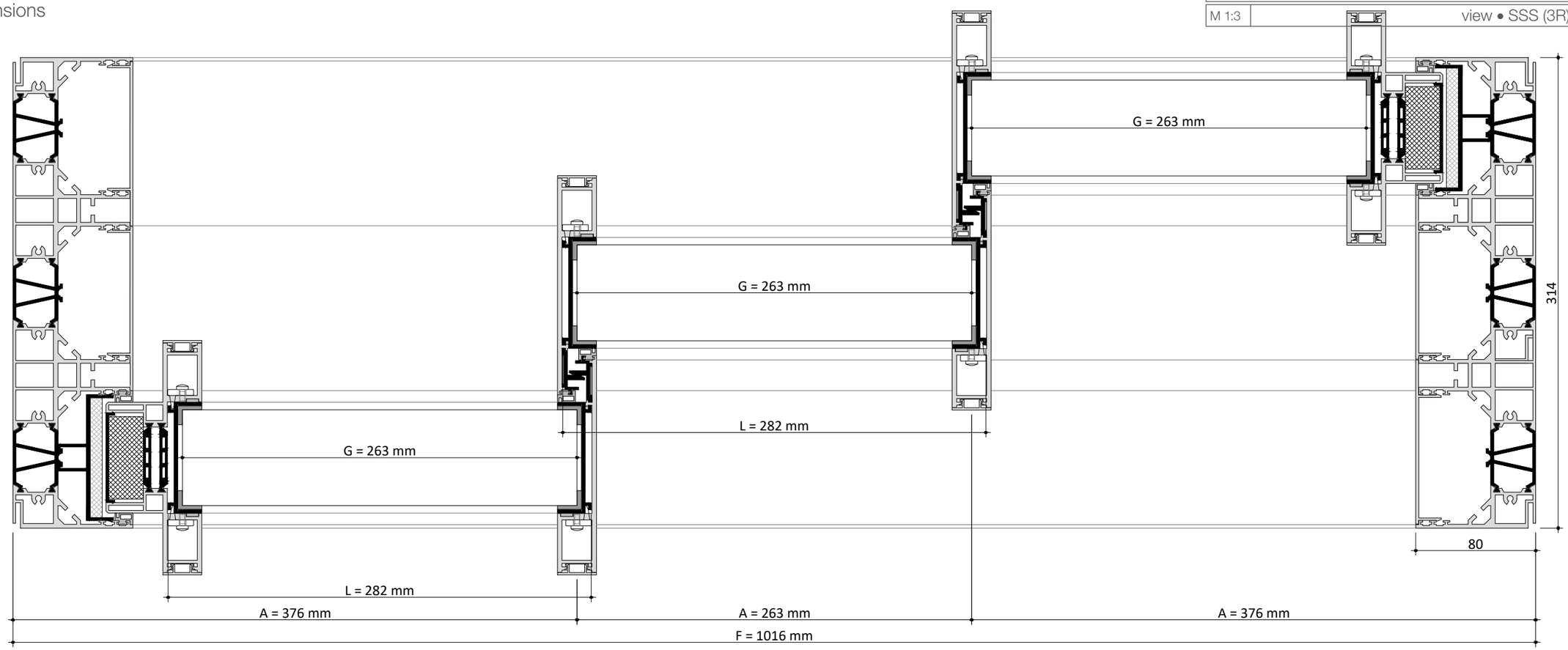
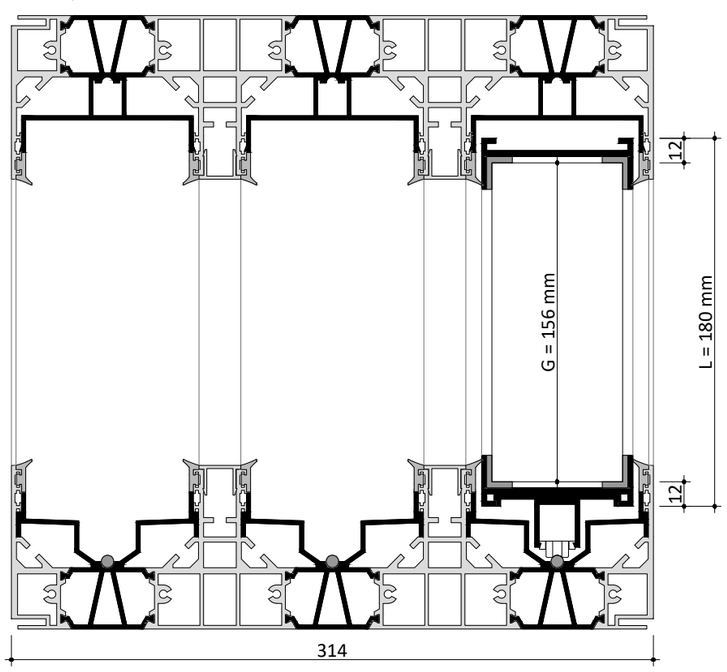
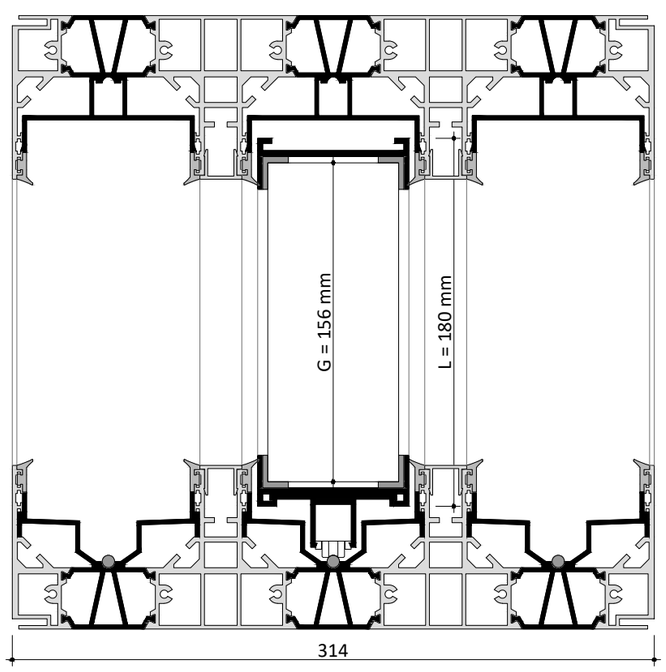
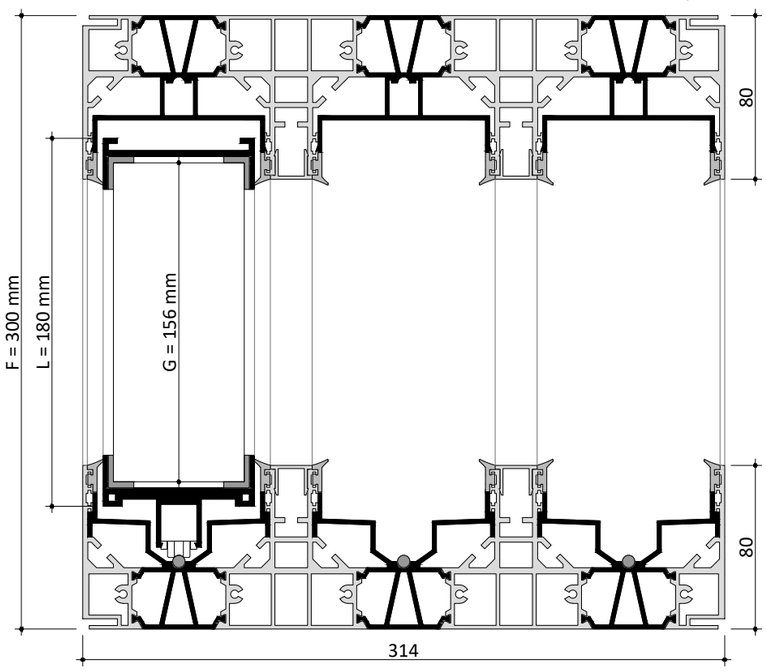
M 1:3 | view • SSS (3R)



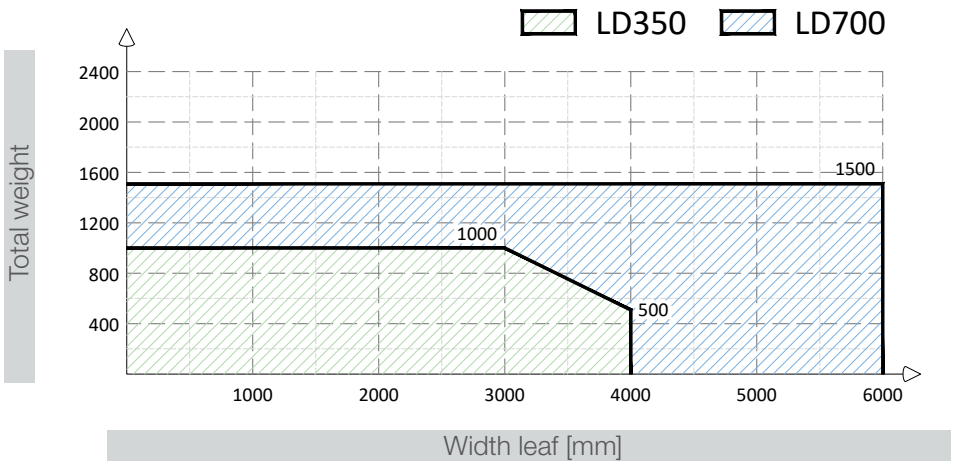




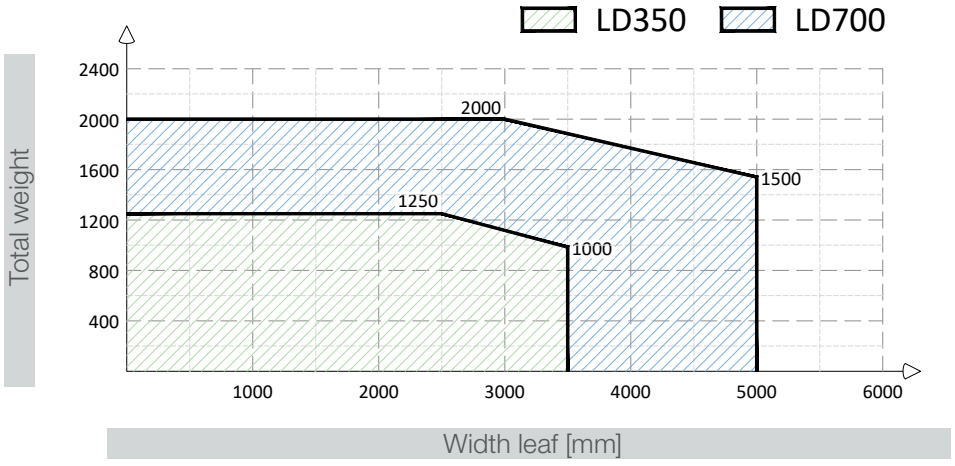


The main purpose of this cross-section is that the compositions are drawn and that the cross-sections are made to the desired size in AutoCAD by means of stretching.

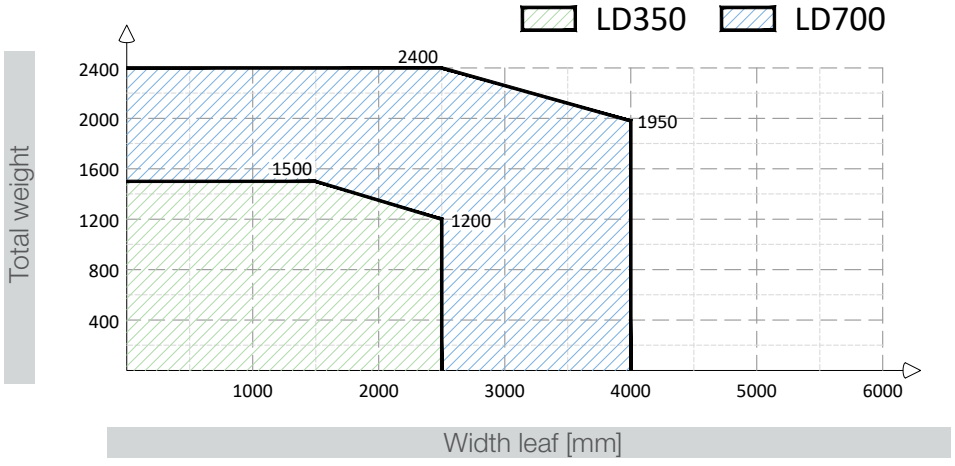
1 Leaf

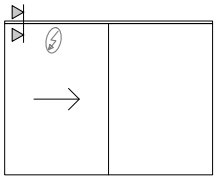


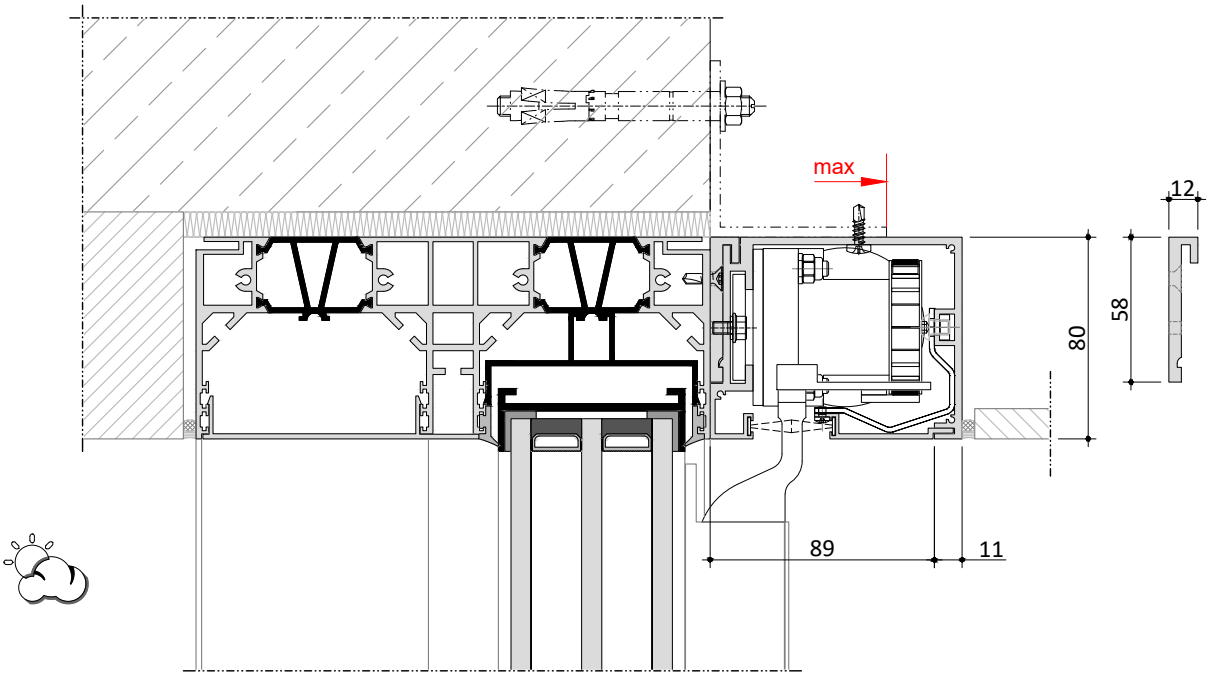
2 Leaf

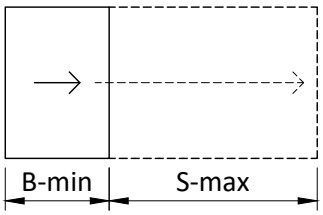


3 Leaf









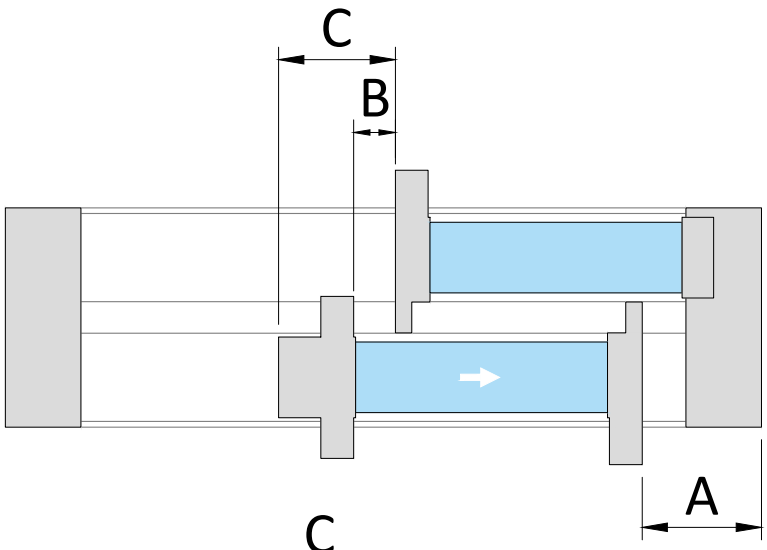
B-min
LD350 = 1.400 mm
LD700 = 1.400 mm
S-Max =
LD350 = 10.000 mm
LD700 = 12.000 mm

M 1:3 **Opening width of the drive way (*)**

(*) Measures with equal glass dimensions

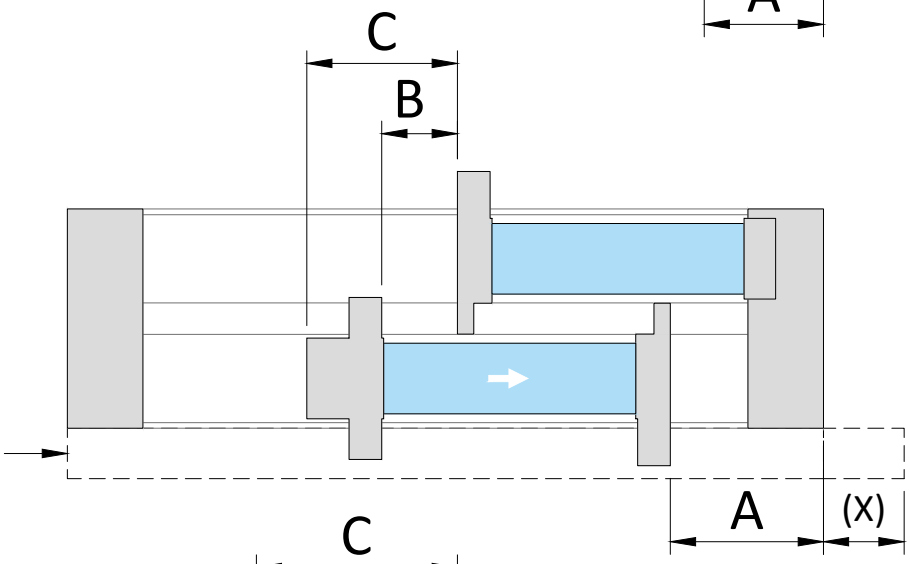
<u>Without electrical opening</u>

A = 60 mm
B = 20 mm
C = 75 mm



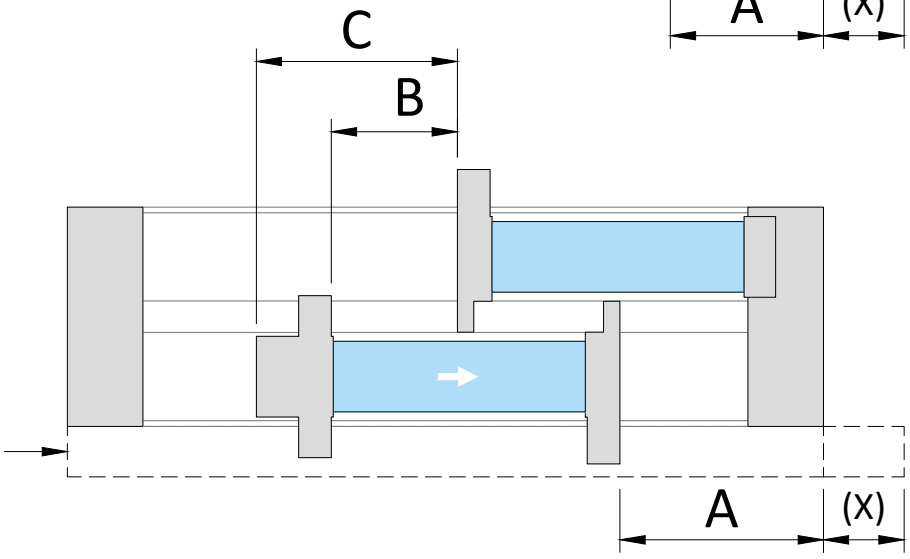
<u>With LD350</u>

A = 130 mm
B = 90 mm
C = 145 mm

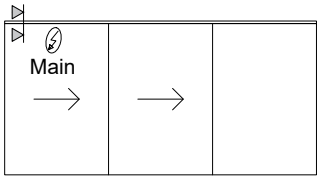


<u>With LD700</u>

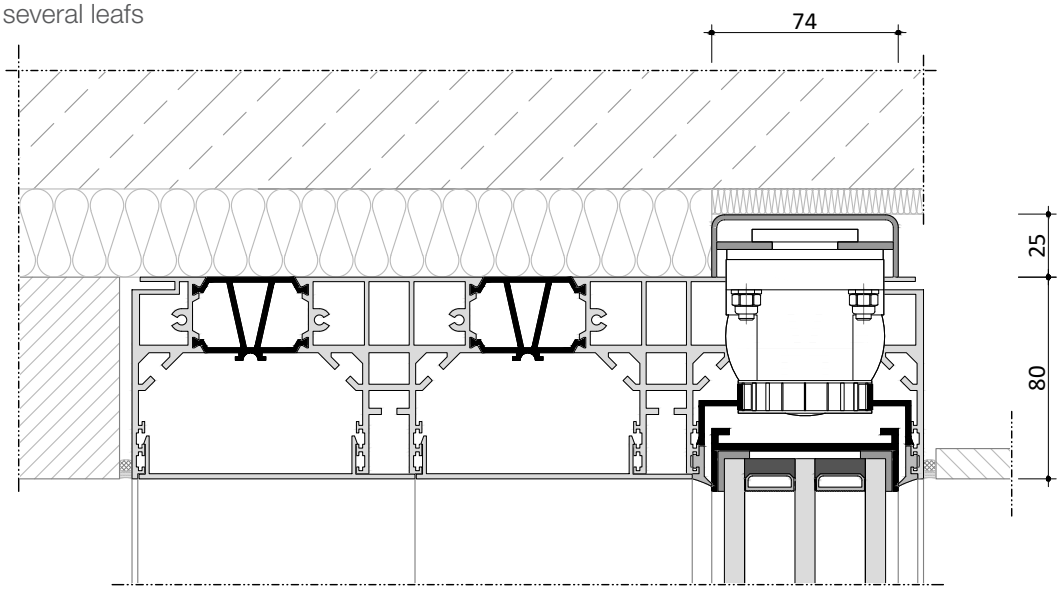
A = 310 mm
B = 270 mm
C = 325 mm

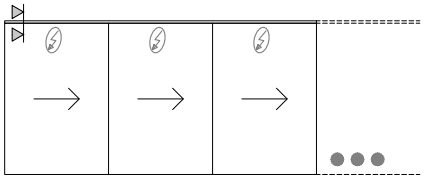


Dimensions A-B-C can be reduced if the motor housing is longer (X) than the sliding window.

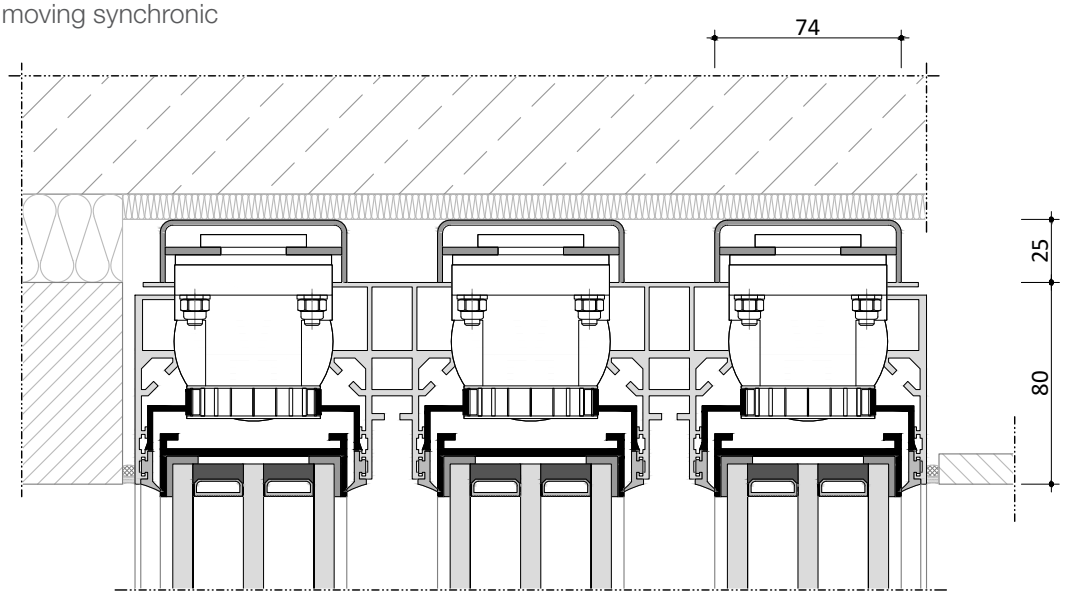


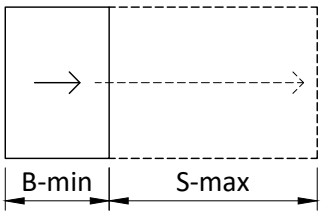
1 drive moving several leafs





1 drive / leaf & moving synchronic





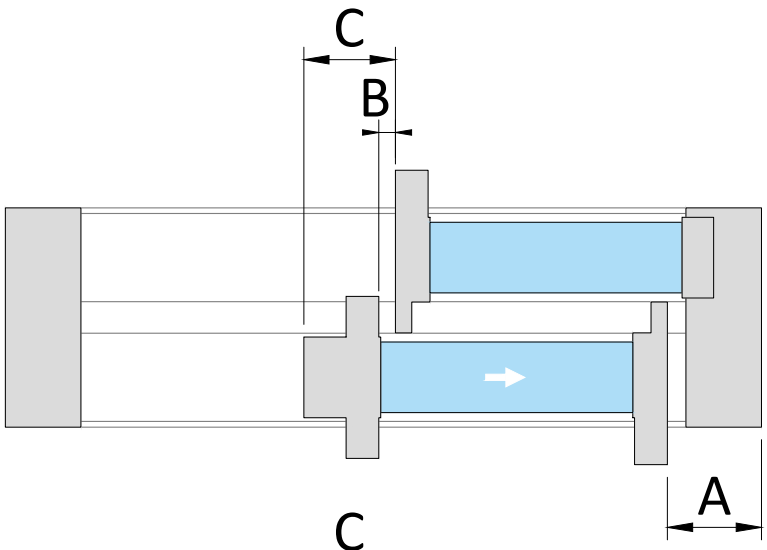
B-min
LD350 = 1.550 mm
LD700 = 1.840 mm
S-Max =
LD350 = 10.000 mm
LD700 = 12.000 mm

M 1:3 | Opening width of the drive way (*)

(*) Measures with equal glass dimensions

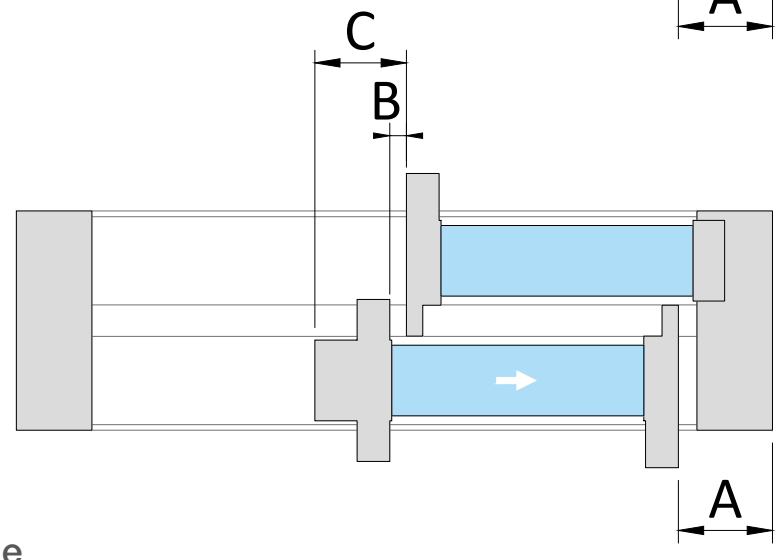
With LD350

A = 100 mm
B = 20 mm
C = 84 mm



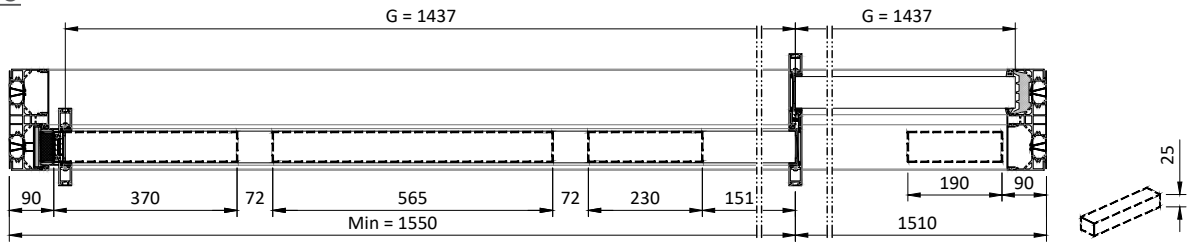
With LD700

A = 100 mm
B = 20 mm
C = 84 mm

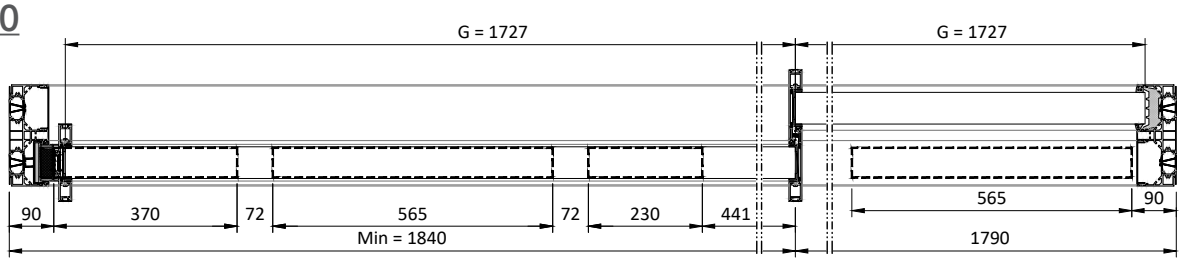


Housingparts on top of frame

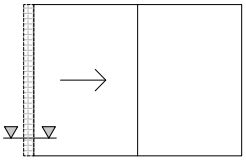
LD350

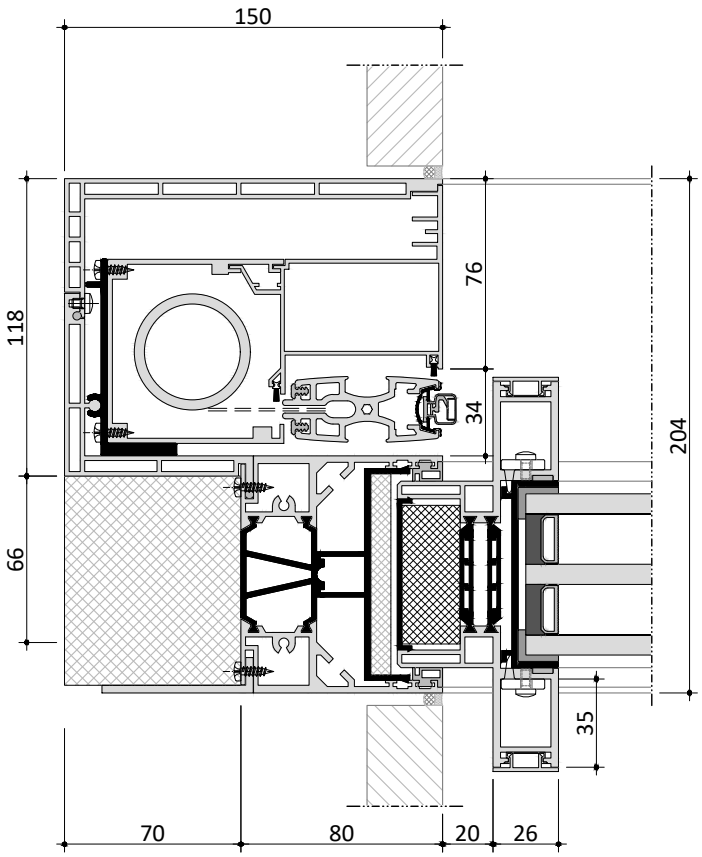


LD700

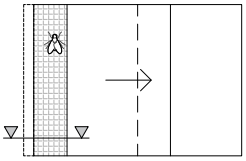


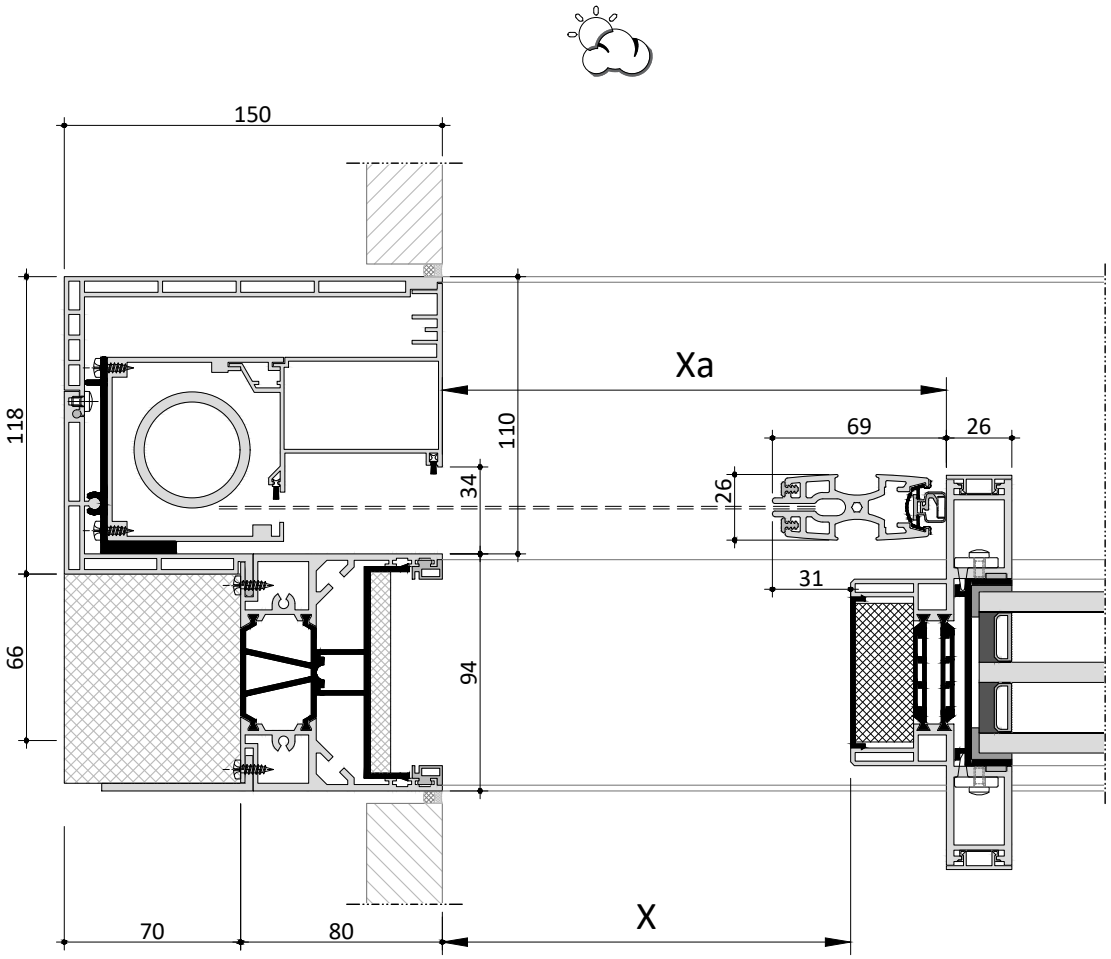
M 1:3 | rollo insect screen - closed





M 1:3 | rollo insect screen - open

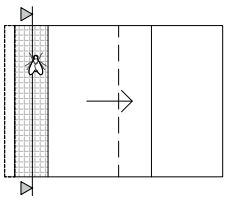


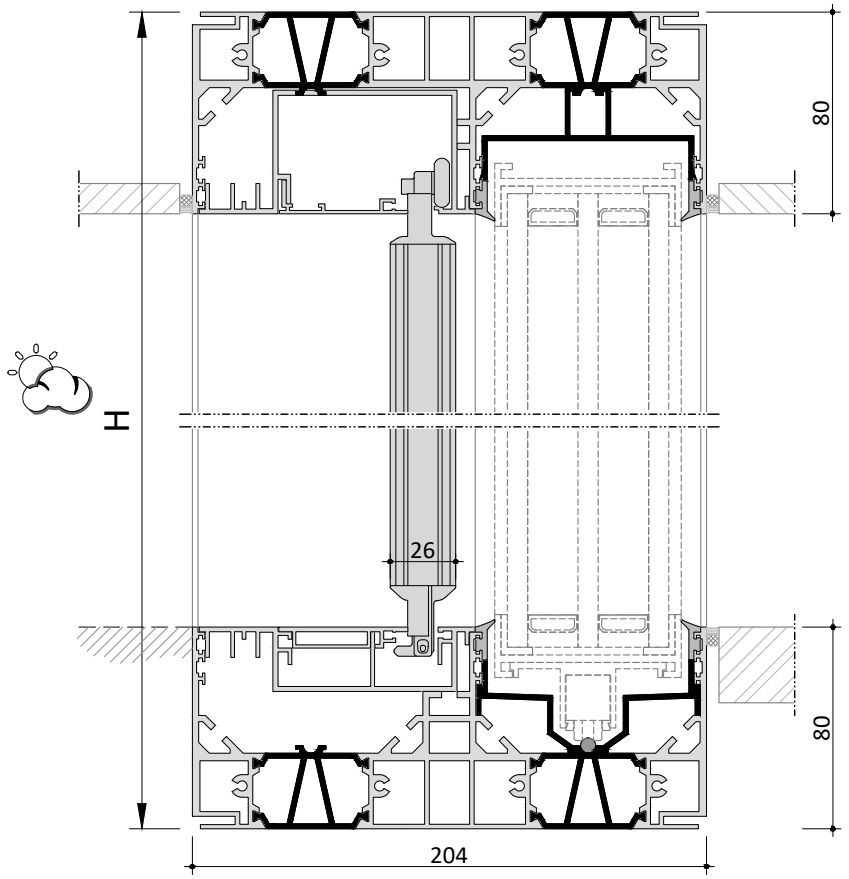


Measurements

H = 3786 mm -> 4085 mm | X = 915 mm
H = 3286 mm -> 3785 mm | X = 1110 mm
H = 2000 mm -> 3285 mm | X = 1870 mm

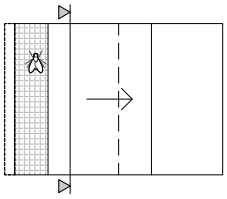
Xa = min 700 mm for revision / repair purposes

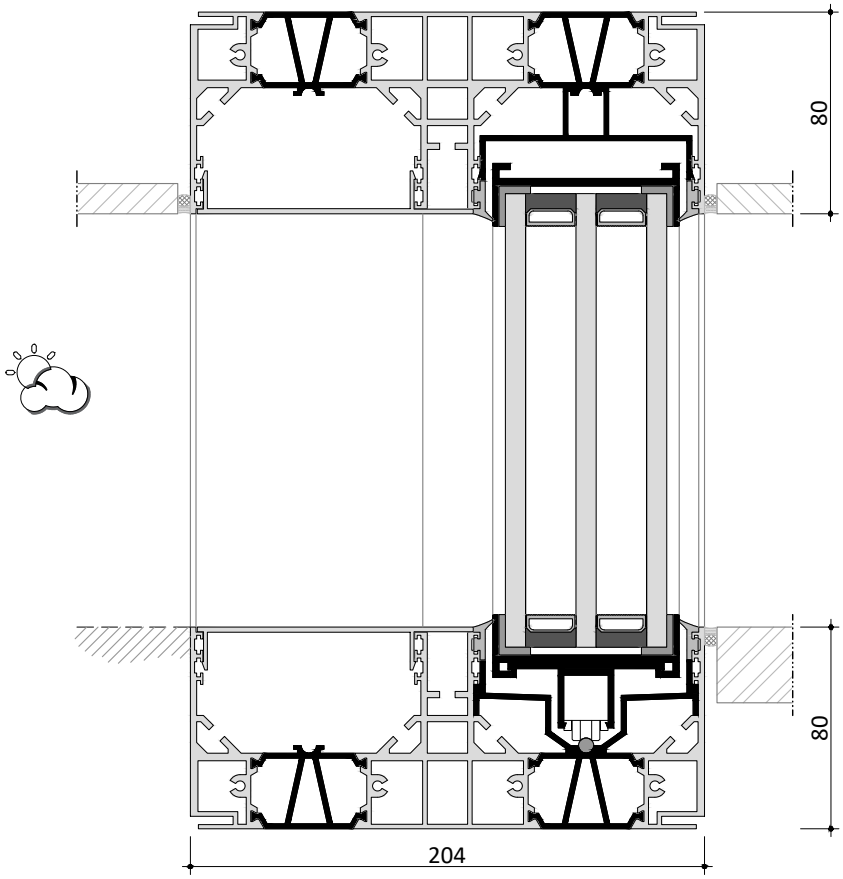




Measurements

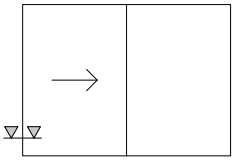
H = 3786 mm -> 4085 mm | X = 915 mm
H = 3286 mm -> 3785 mm | X = 1110 mm
H = 2000 mm -> 3285 mm | X = 1870 mm

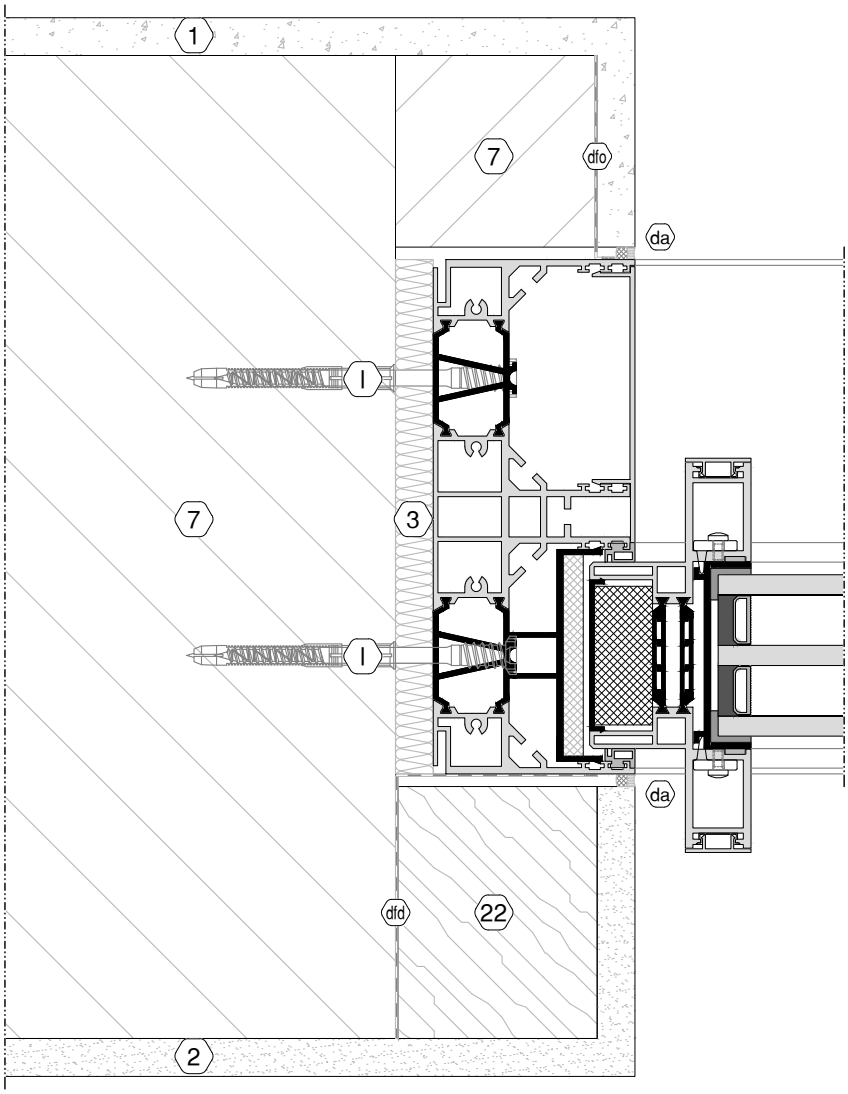



80
80
204

M 1:3

Wall monolithic: sections
view - side



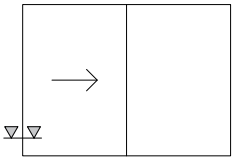


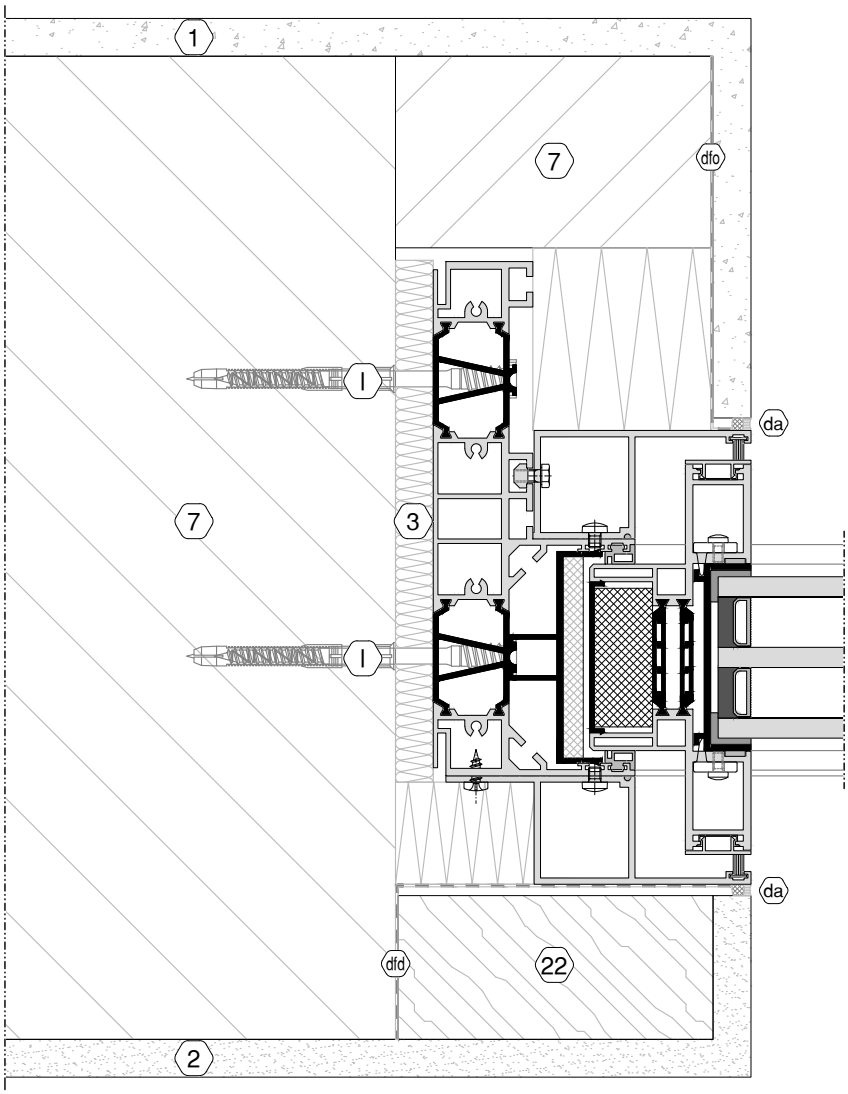
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - hidden handle



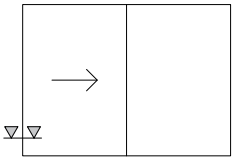


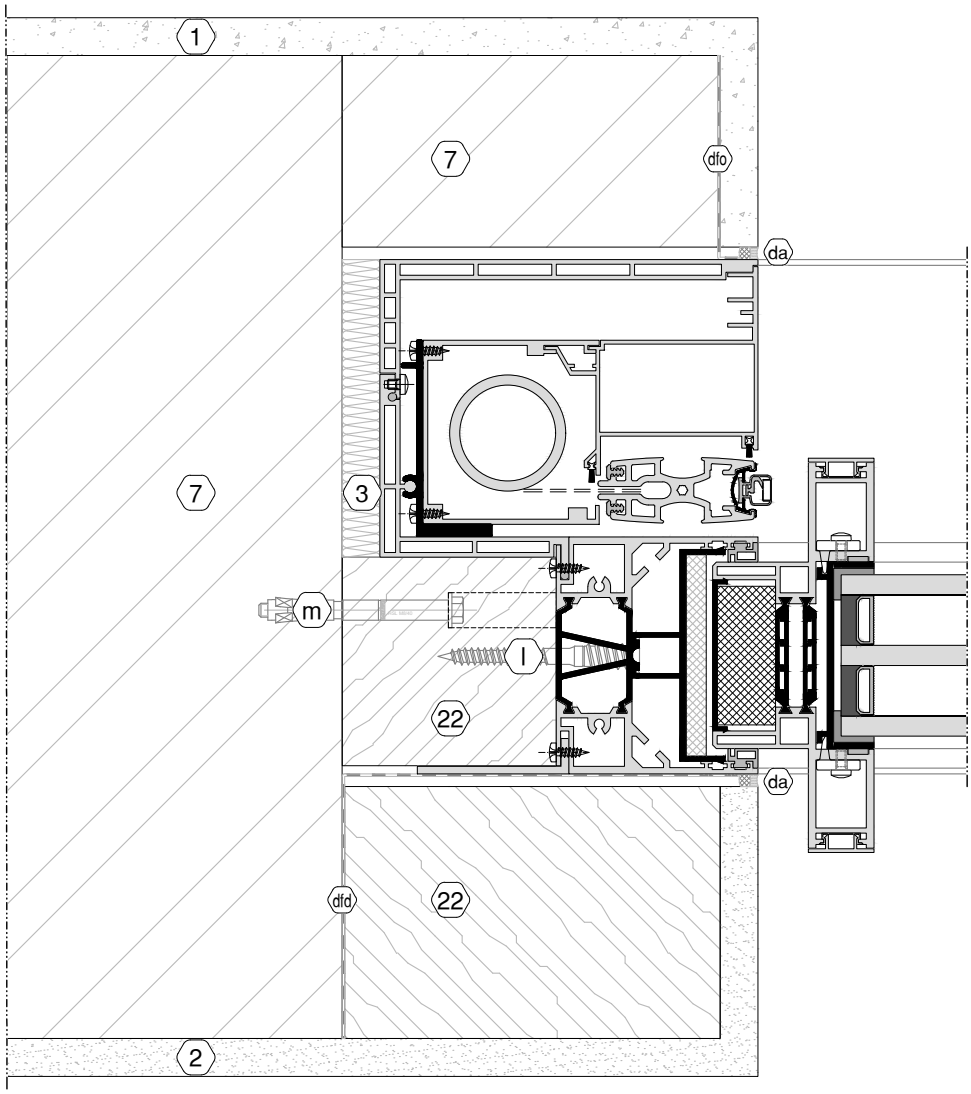
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - rollo insect screen



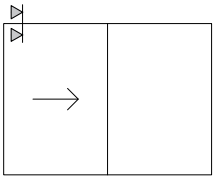


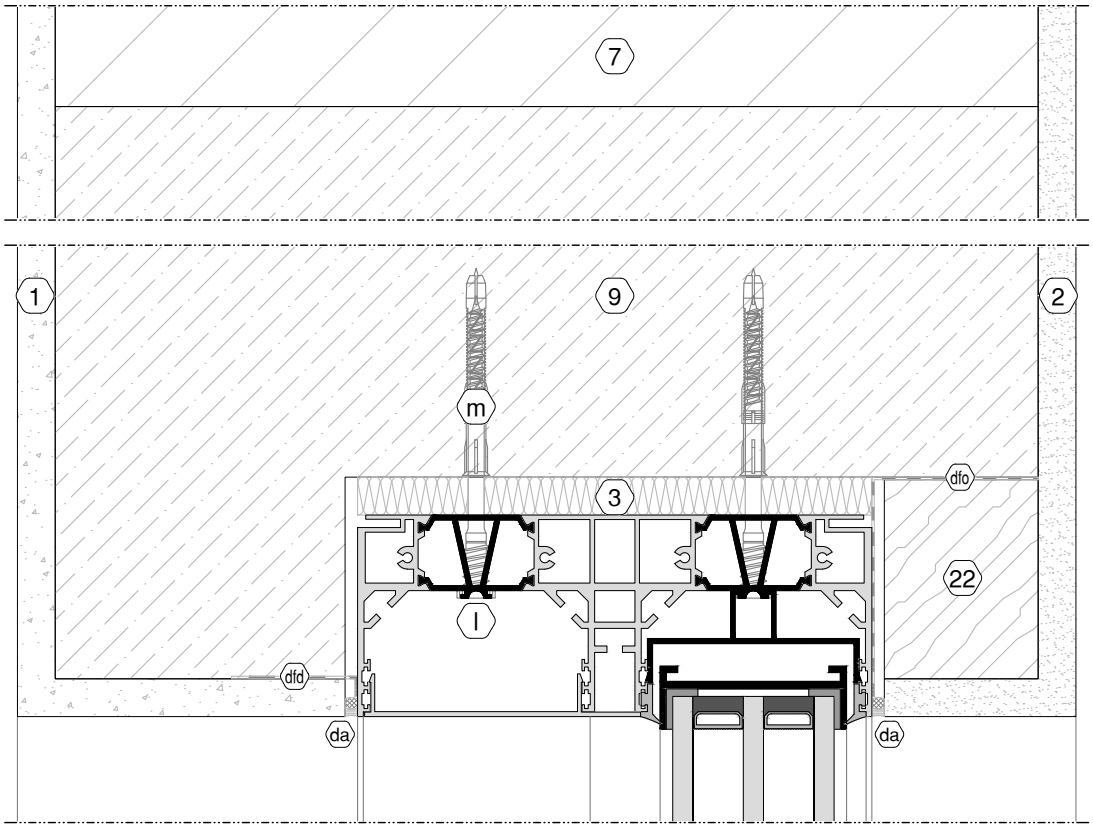
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - top



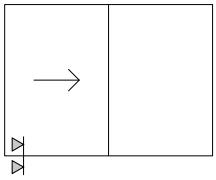


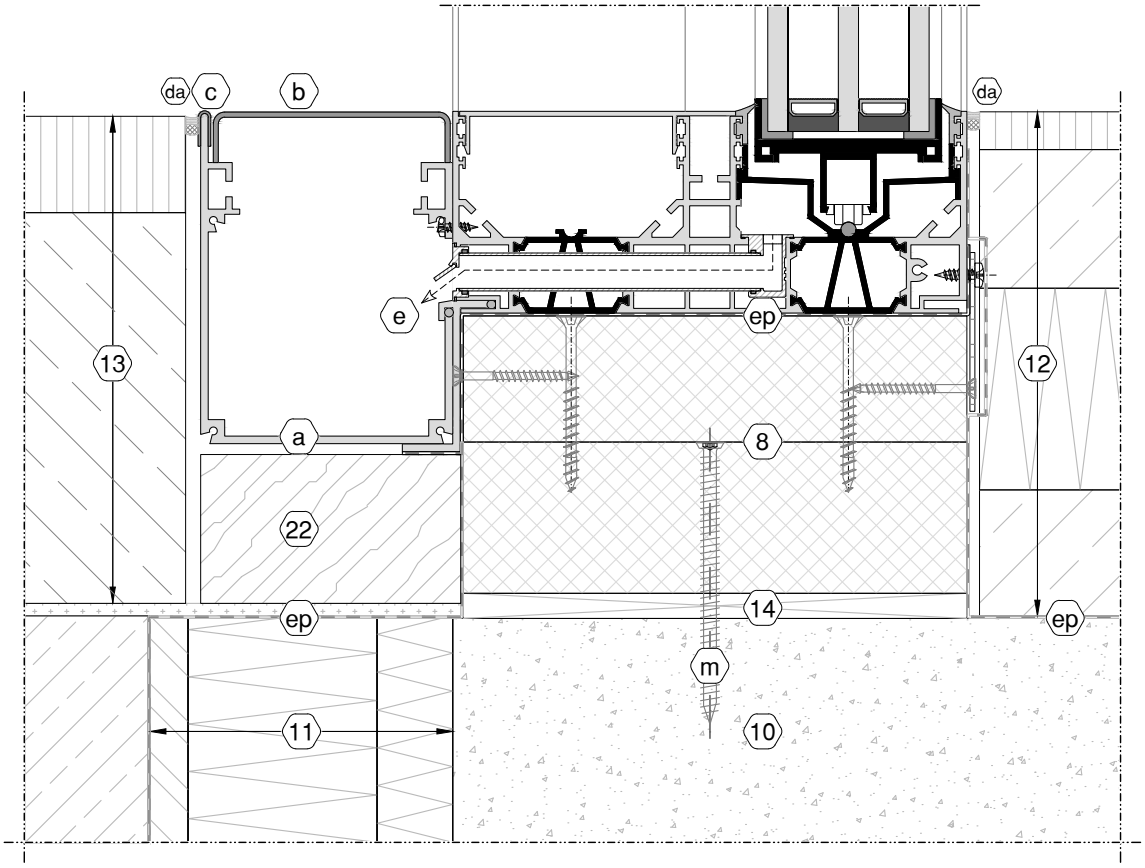
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view sliding & visible gutter



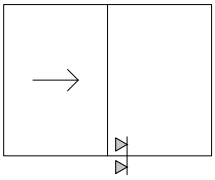


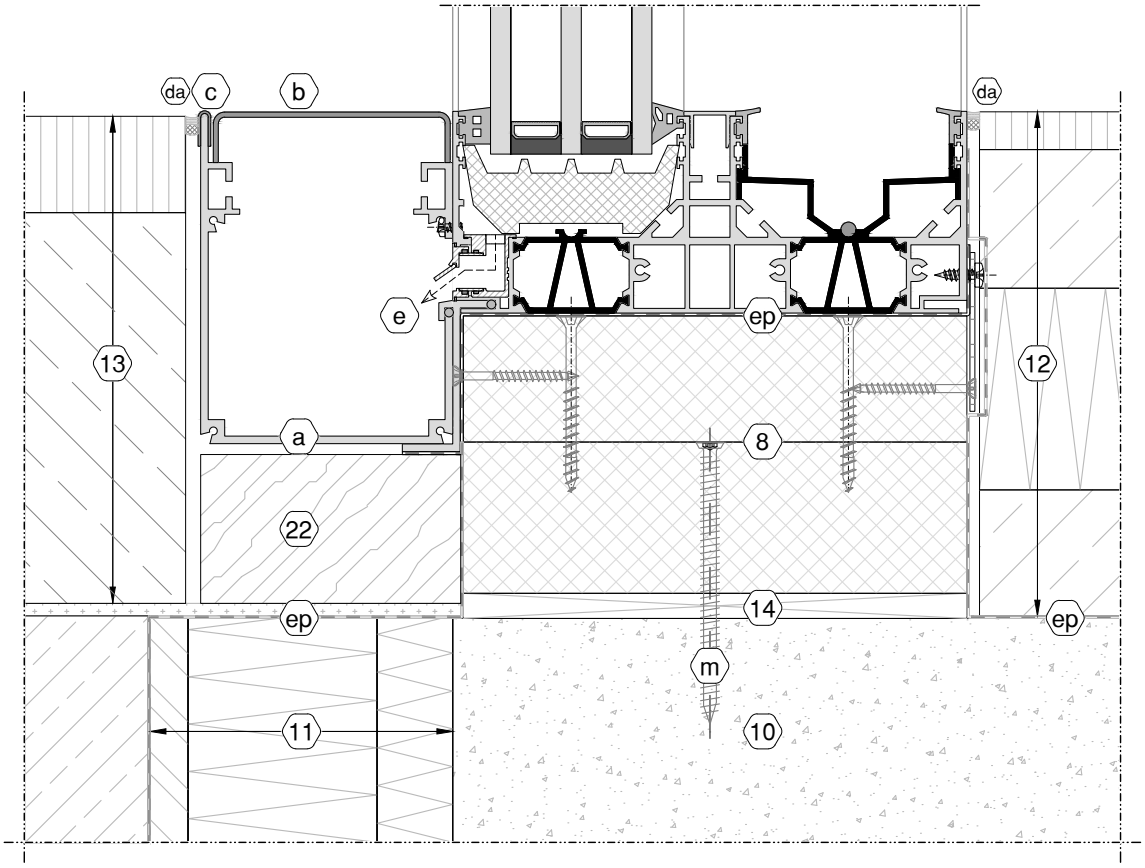
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view fix & visible gutter



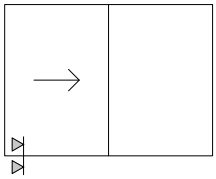


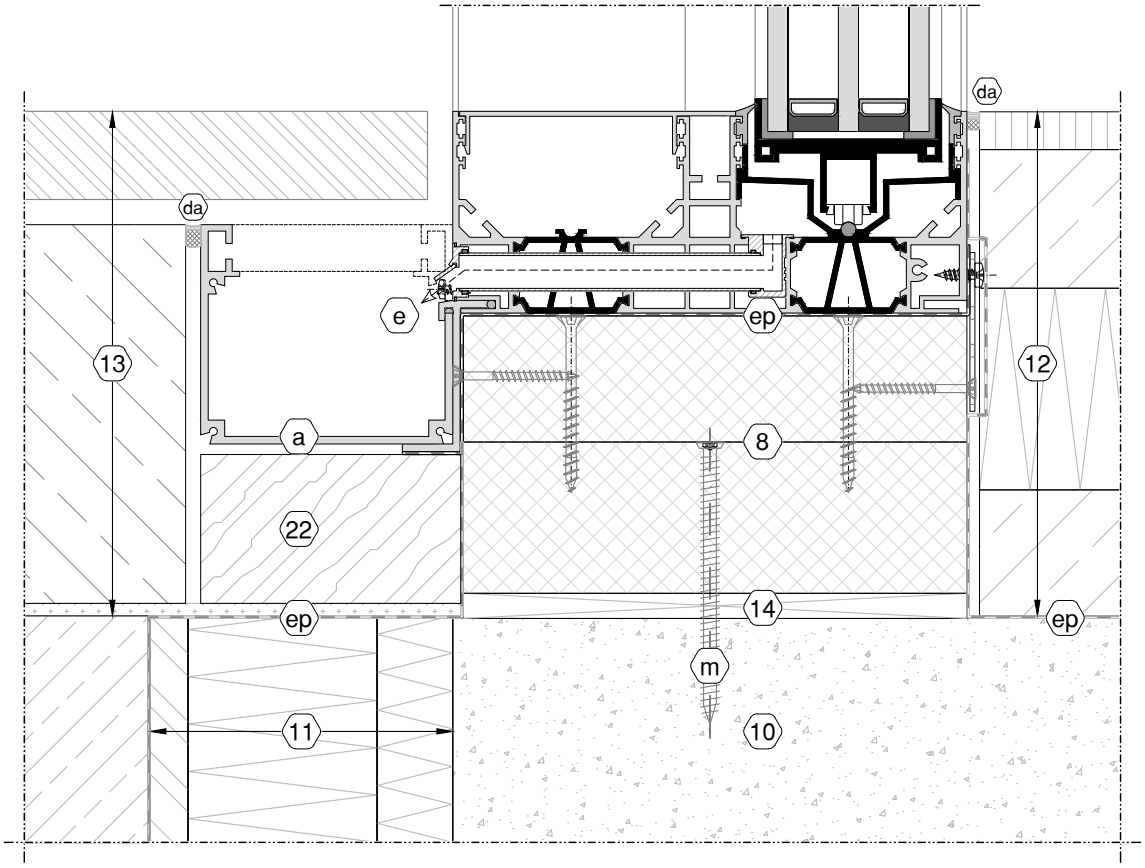
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view sliding & invisible gutter



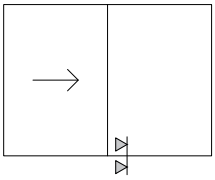


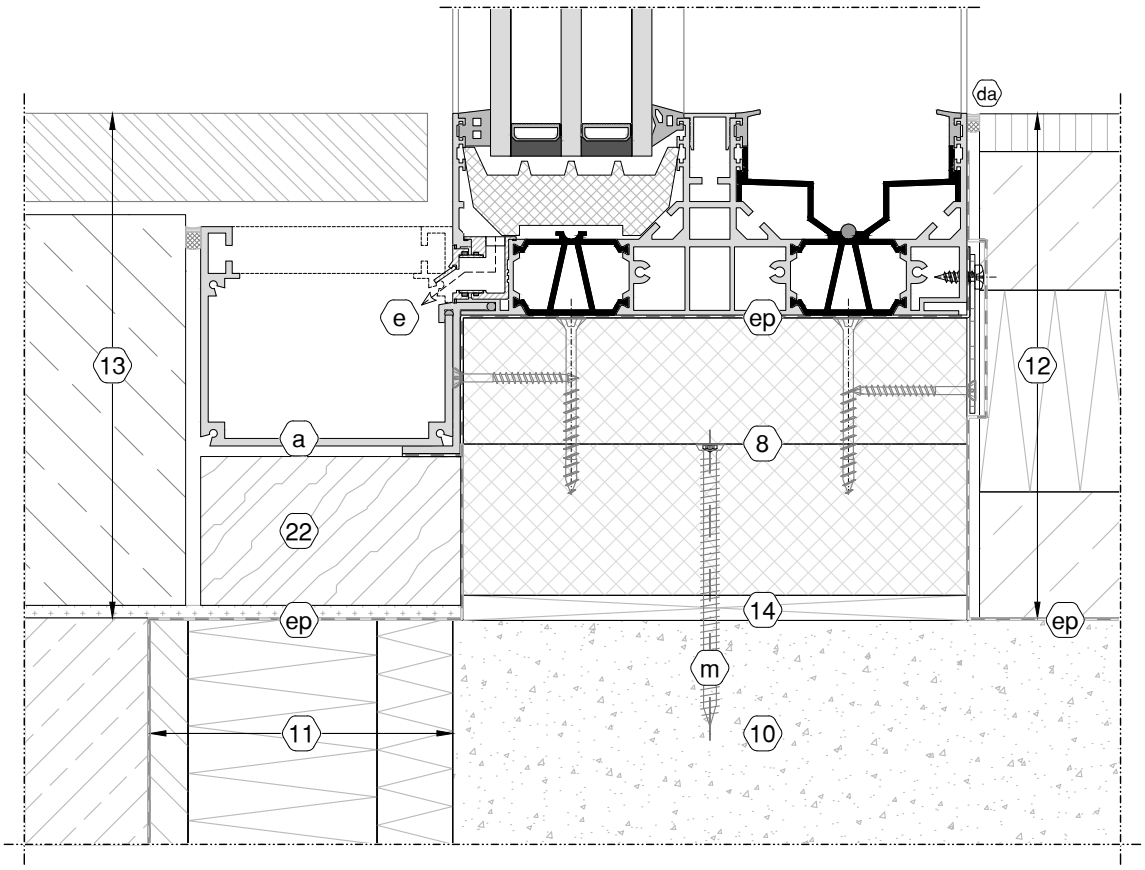
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view fix & invisible gutter



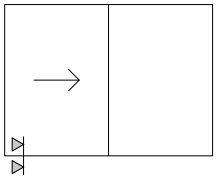


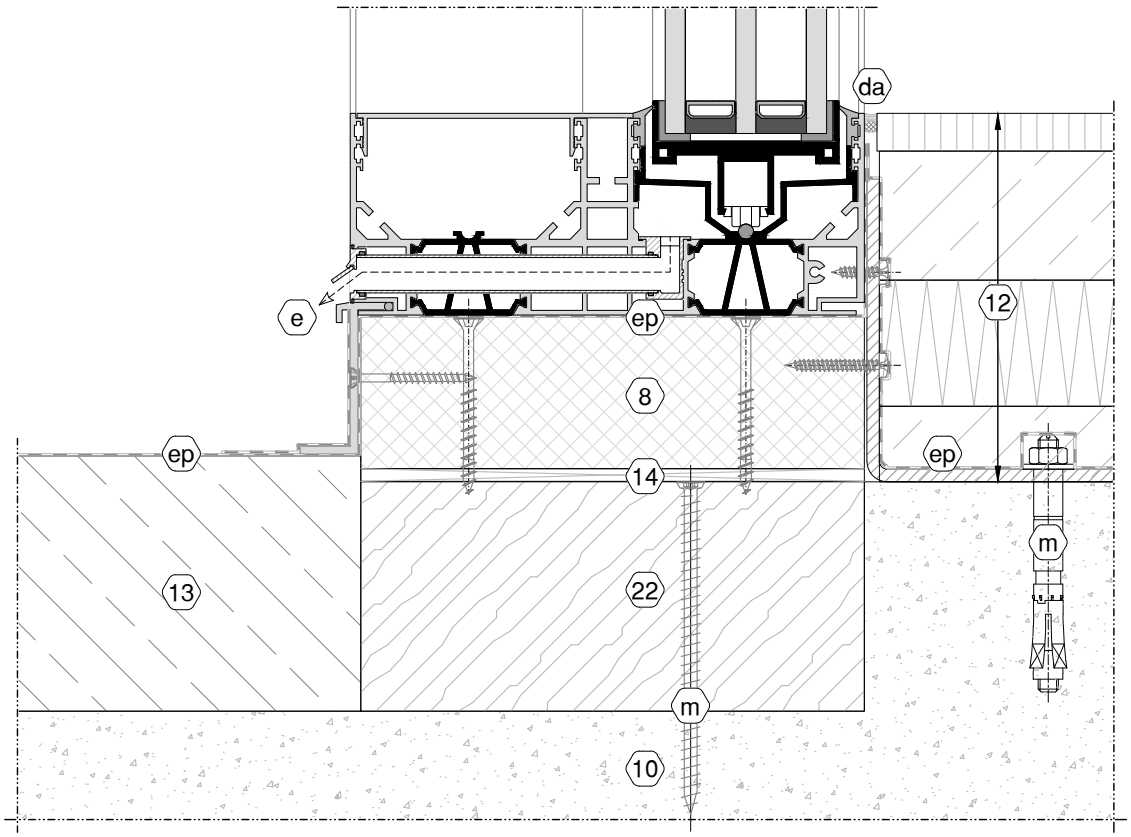
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view - Suisse solution



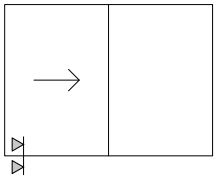


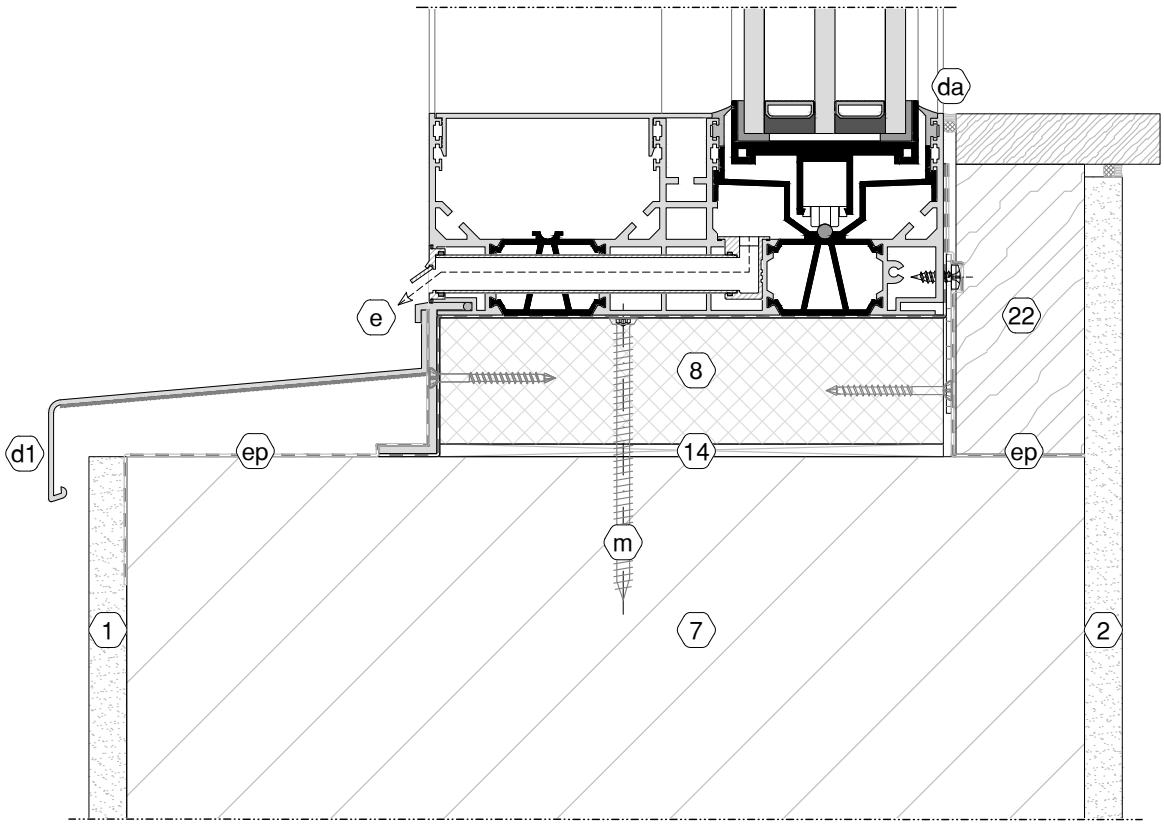
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
view & alu threshold



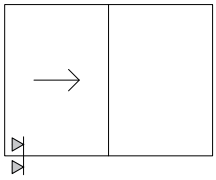


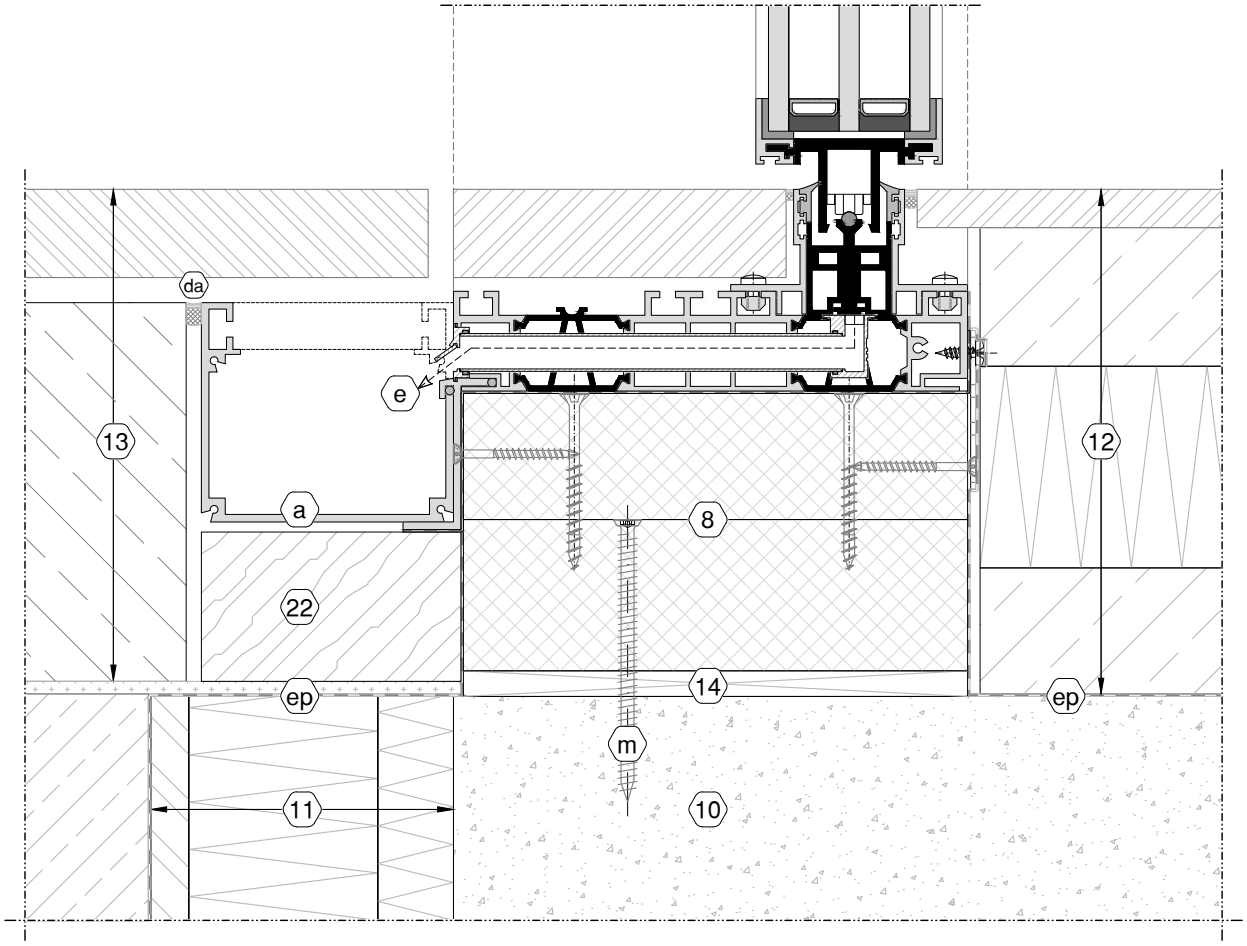
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor PL sliding & invisible gutter



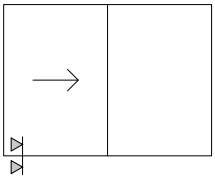


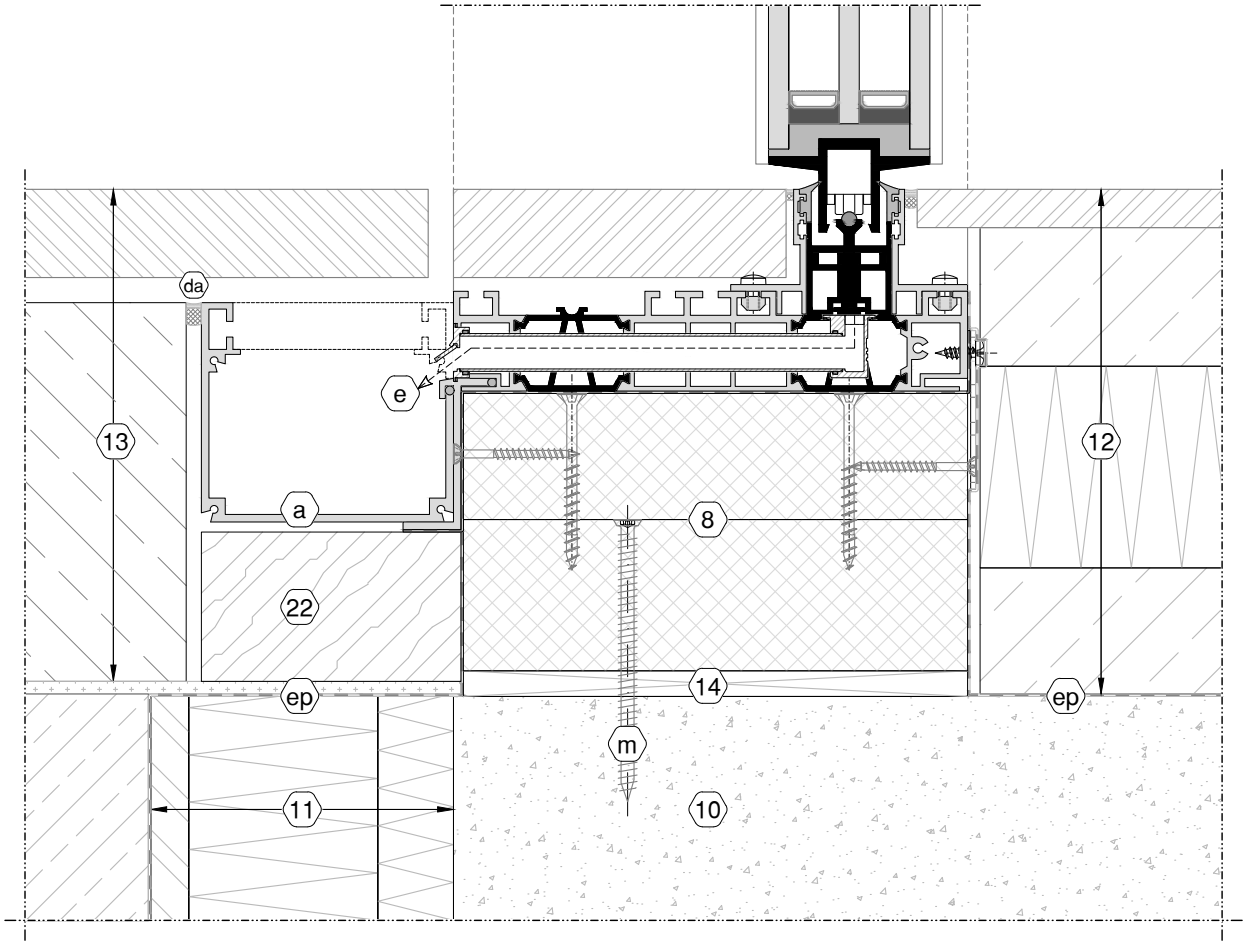
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor CL sliding & invisible gutter



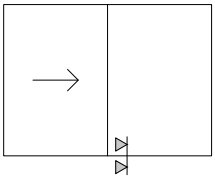


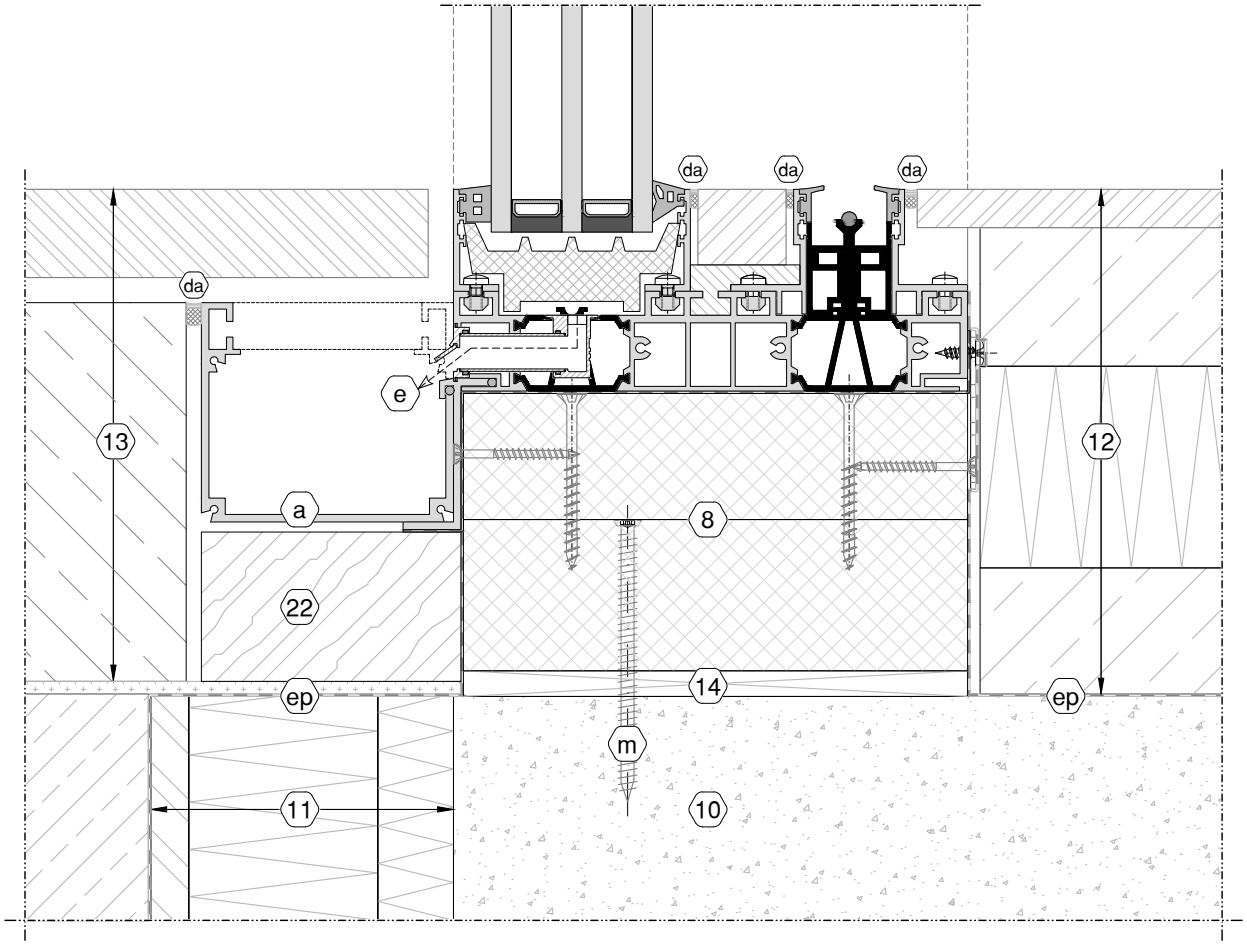
Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

M 1:3

Wall monolithic: sections
floor PL/CL fix & invisible gutter





Number legend: see overview at page 07-g

The building connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions and the country-specific requirements.

1	Exterior plaster
2	Interior plaster
3	Thermal insulation
4	Flexifoam
5	Exterior wall (façade)
6	Interior brickwork
7	Thermal insulation bricks
8	KELLER base stone
9	Concrete lintel
10	Concrete plate
11	Concrete plate edge
12	Floor structure
13	Terrace structure
14	Pressure resistant (plastic) underlay
15	Steel/alu angle profile (with reinforcement)
16	Insulating blocks
17	DWD board
18	OSB board
19	Wooden wall structure
20	Gypsum fiberboard
21	Installation level
22	Filling in general
23	Venetian blinds / roller blinds
24	Ventilated facade system
25	Floor strip
26	Blind drainage slot

a	Drainage gutter [AlMgSi0.5]
b	Gutter cover [stainless steel]
c	Edge protection [stainless steel]
d1	Windowsill system: standard
e	Drainage
f	Drainage base [PVC-U]
g	Substructure [KELLER base stone]
h	PET
i	EPDM cellular rubber

k	Fixing bushing
l	Topstar
m	Anchor / wall screw
n	Zebra Pias AW30

da	Permanently elastic sealing
dfo	Vapour diffusion-permeable film
dfd	Vapour diffusion-tight film
de	Sealing foil EPDM

The connections shown are schematic representations and must be adjusted for the project planning according to the structural conditions on site and the country-specific requirements.

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Keller Minimal Windows S.A.
38-40, Route de Wilwerdange
L-9911 Troisvierges
Tel. +352 28 38 66 01
info@keller-minimal-windows.com
www.minimal-windows.com

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