Q-VENT

Architectural Rainscreen Systems

TECHNICAL CATALOGUE

We created this catalog to assist designers, architects and everyone using our products.
In it we show our accumulated experience, technical knowledge and skills, with the aim to demonstrate the completeness and potential of our systems.
We have built our business on the best created before us, while adding our own designs and innovation to reach what we have created today.
And we keep moving forward.

Q-VENT
Great Ideas Deserve Great Execution

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DISCLAIMER
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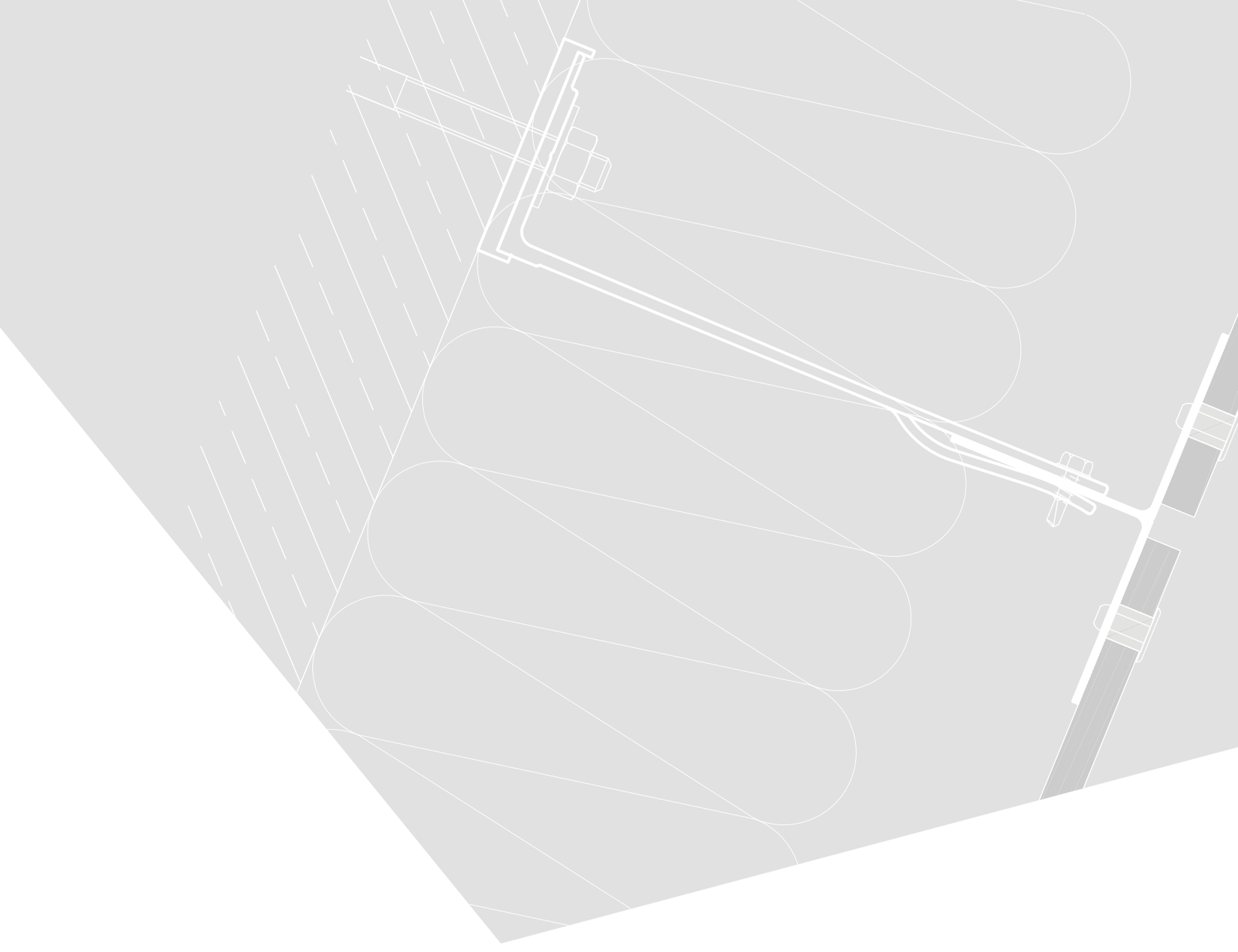
GUARANTEES & WARRANTIES
Q-VENT can provide system guarantees on an individual project basis.

MANUFACTURER LIABILITY
Q-VENT does not accept any liability for the stability of the rainscreen system if:
1) Structural calculations, Installation plans and Shop drawings are not provided or verified by Q-VENT,
2) All system components are not supplied or verified by Q-VENT,
3) The assembling is not done according Q-VENT specifications.

QUALITY & DURABILITY
Q-VENT Architectural Rainscreen Systems are manufactured from the highest quality materials to rigorous quality control standards, ensuring long-term reliability and service life.

TERMS & CONDITIONS SUPPLY
All cases of orders apply to our General Terms of Business, published under www.q-vent.eu. Returned goods will only be accepted by agreement, in undamaged original packing, post-paid, within 30 days, and less of 30% handling fee. The goods remain our property up to complete payment. All cases apply to our Terms and Conditions of Supply. Claims can only be accepted within 6 days after receipt. The compensation of all the reminder and collection expenses as well as 12% interest are agreed.



QV1.1

FLAT PANELS VISIBLE RAINSCREEN SYSTEM

USING QVB WALL BRACKETS

LEGEND

1. FLAT PANEL
2. RIVET Ø4.8x18 mm, HEAD 16 mm, PAINTED
3. PROFILE T110x60x2 *art.No 01.2.110602.xxx*
4. PROFILE L60x40x2 *art.No 01.1.60402.xxx*
5. WALL BRACKET QVB 180/160, FIXED POINT *art.No 02.180.160.10*
6. WALL BRACKET QVB 180/70, SLIDING POINT *art.No 02.180.70.10*
7. THERMO-PAD 160x59 *art.No 05.59.160*
8. THERMO-PAD 70x59 *art.No 05.59.70*
9. SELF-DRILLING SCREW Ø4.8x16 mm, A2
10. FASTENER
11. CONCRETE / MASONRY WALL
12. INSULATION
13. WINDOW SYSTEM
14. METAL TRIM / FLASHING / COPING
15. PERFORATED ALUMINUM SHEET

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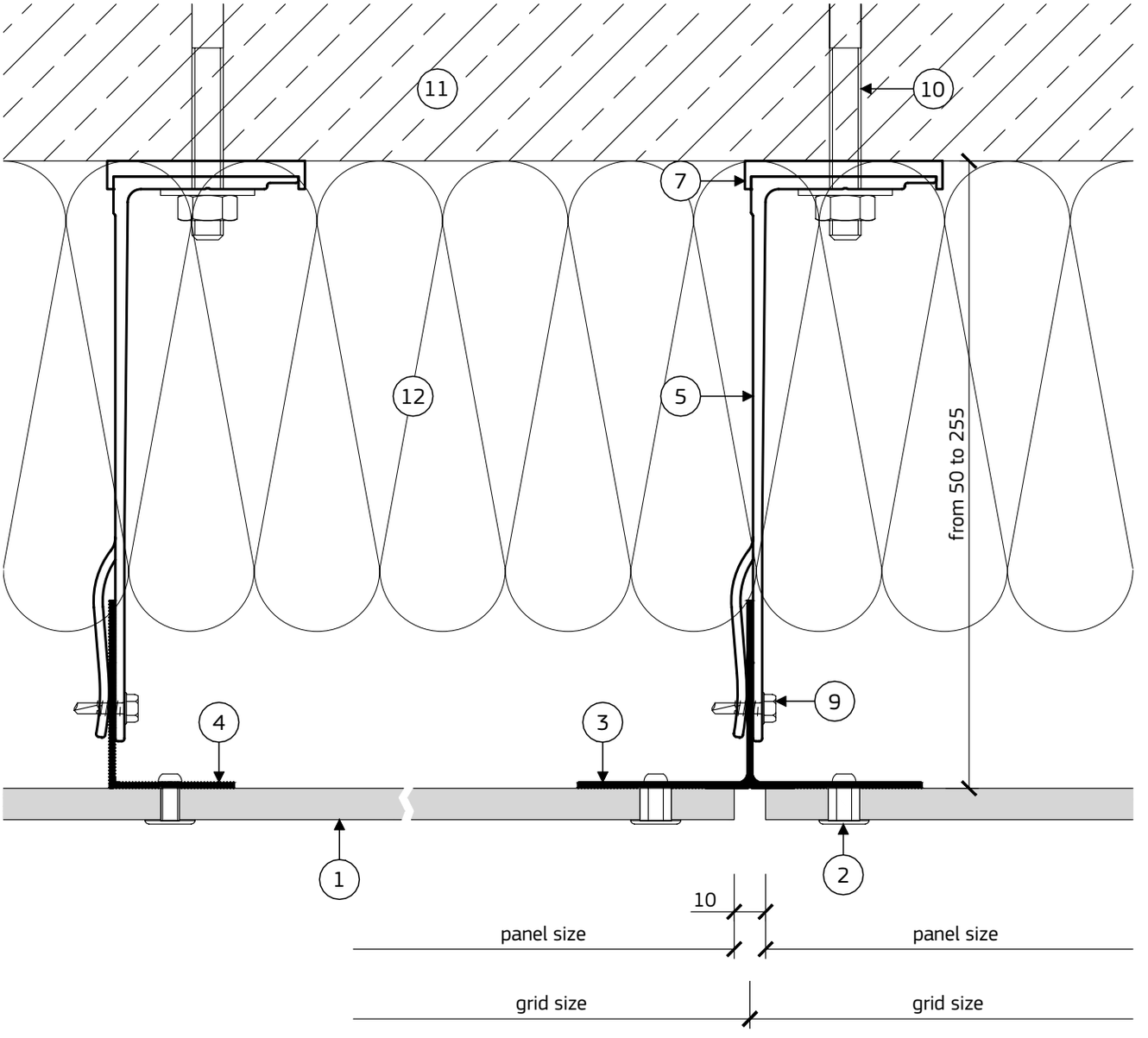
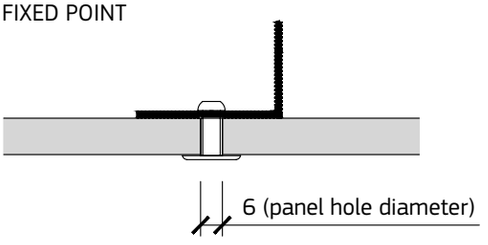
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

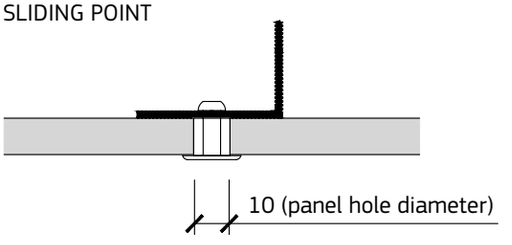
1.1 PLAN DETAIL



FIXED POINT



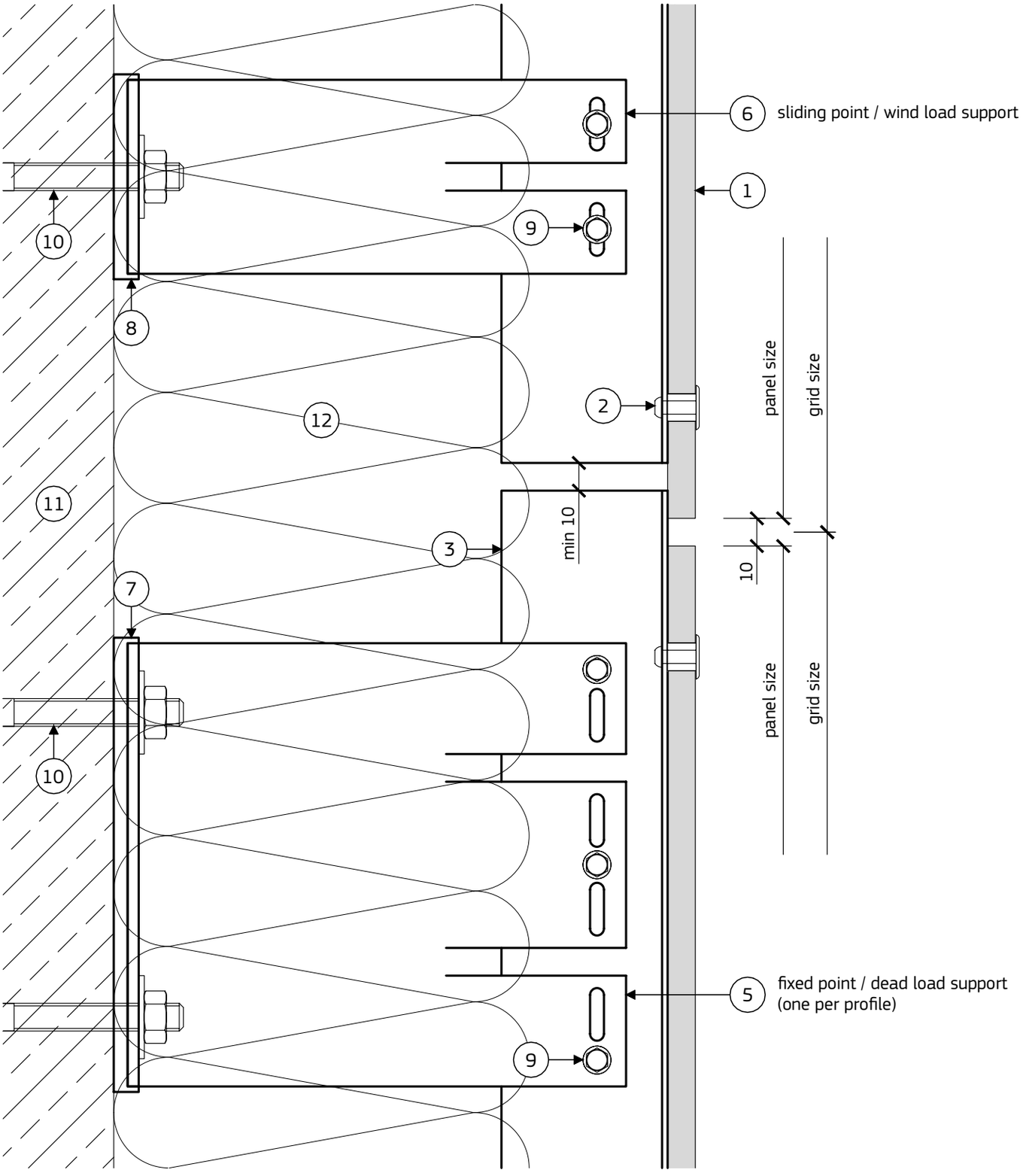
SLIDING POINT



Rivets at sliding points must be installed centered on the oversize hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

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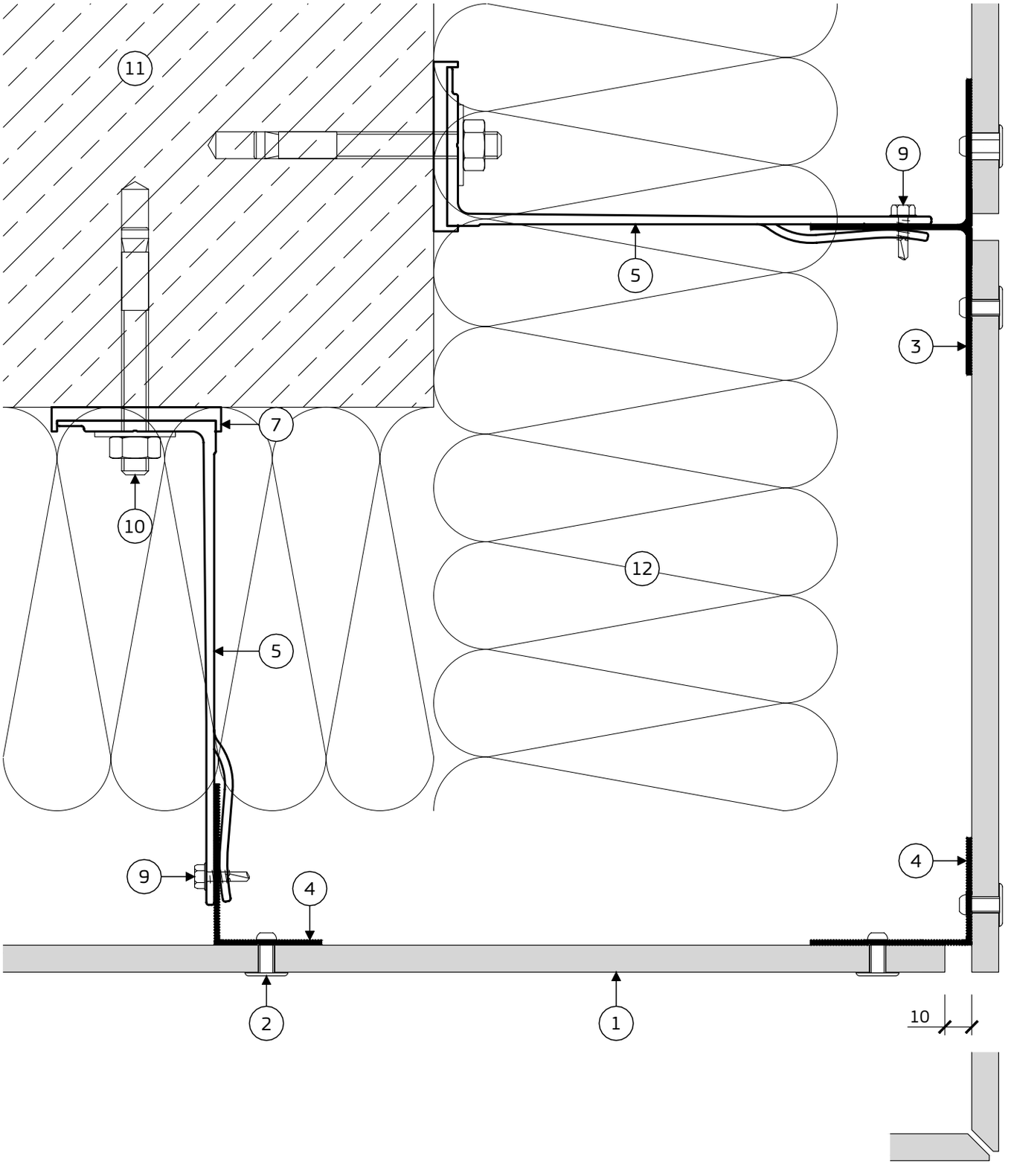
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

3.1 PLAN DETAIL - OUTSIDE CORNER



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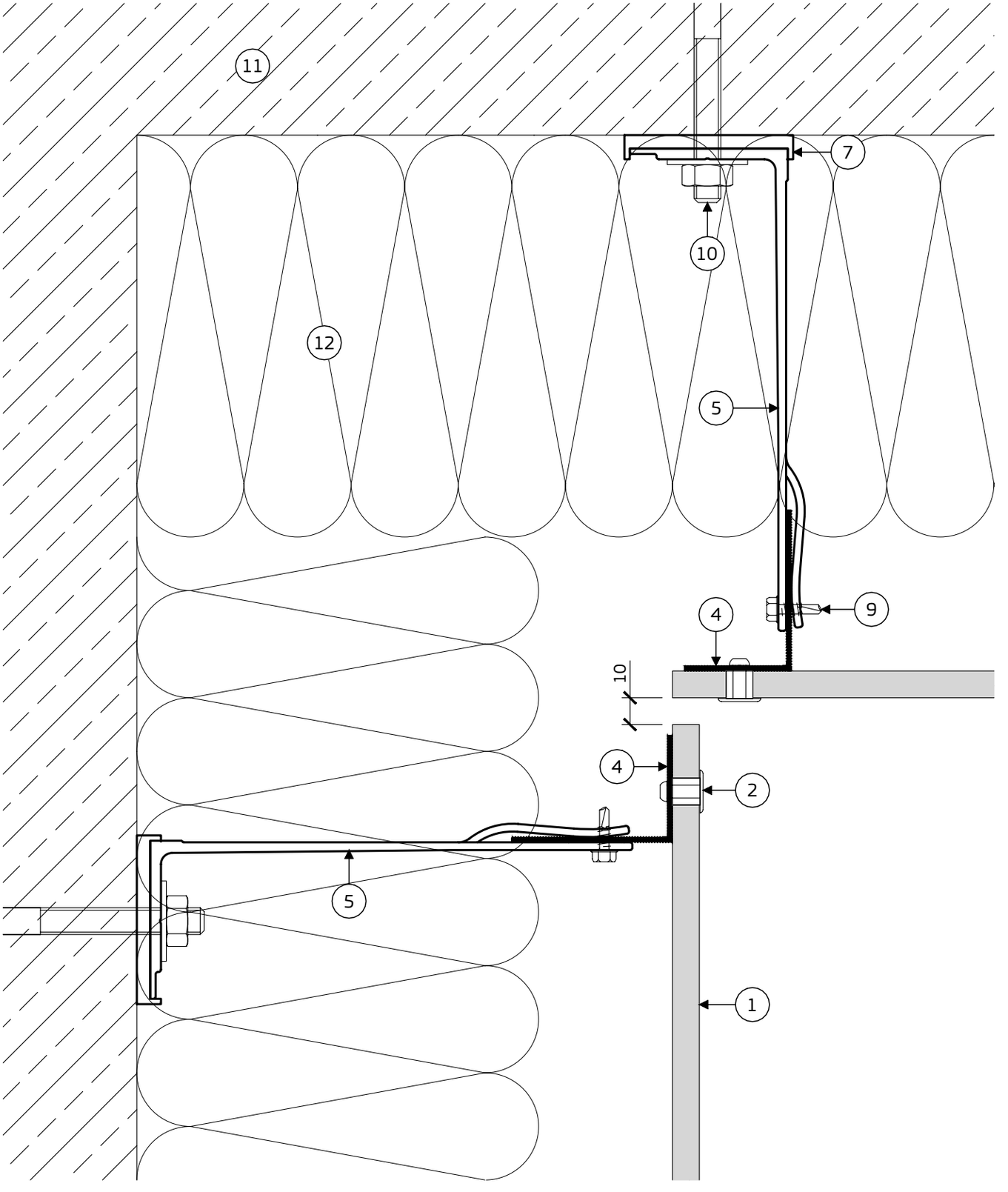
4.1 PLAN DETAIL - INSIDE CORNER



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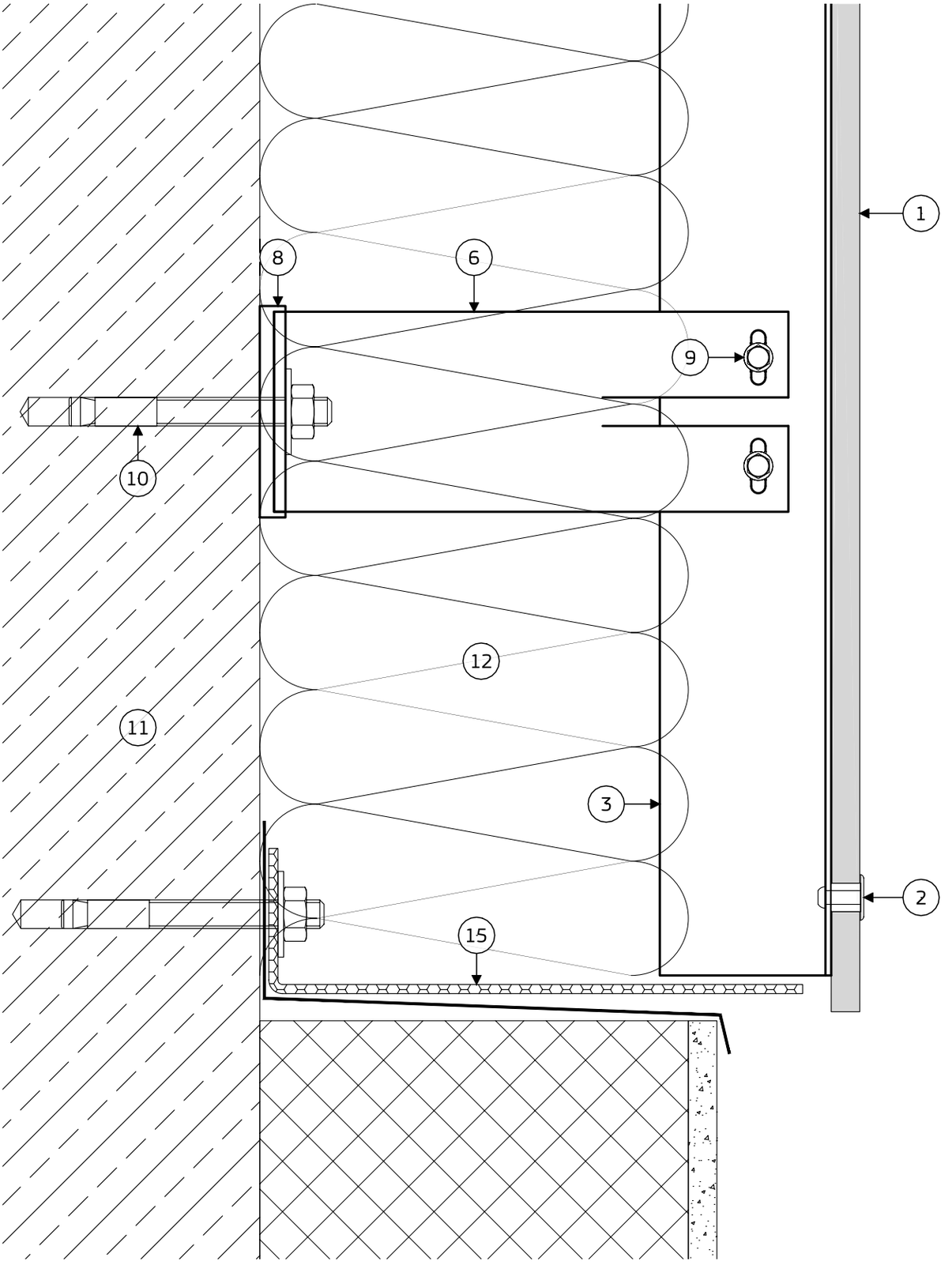
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

5.1 SECTION DETAIL - BASE



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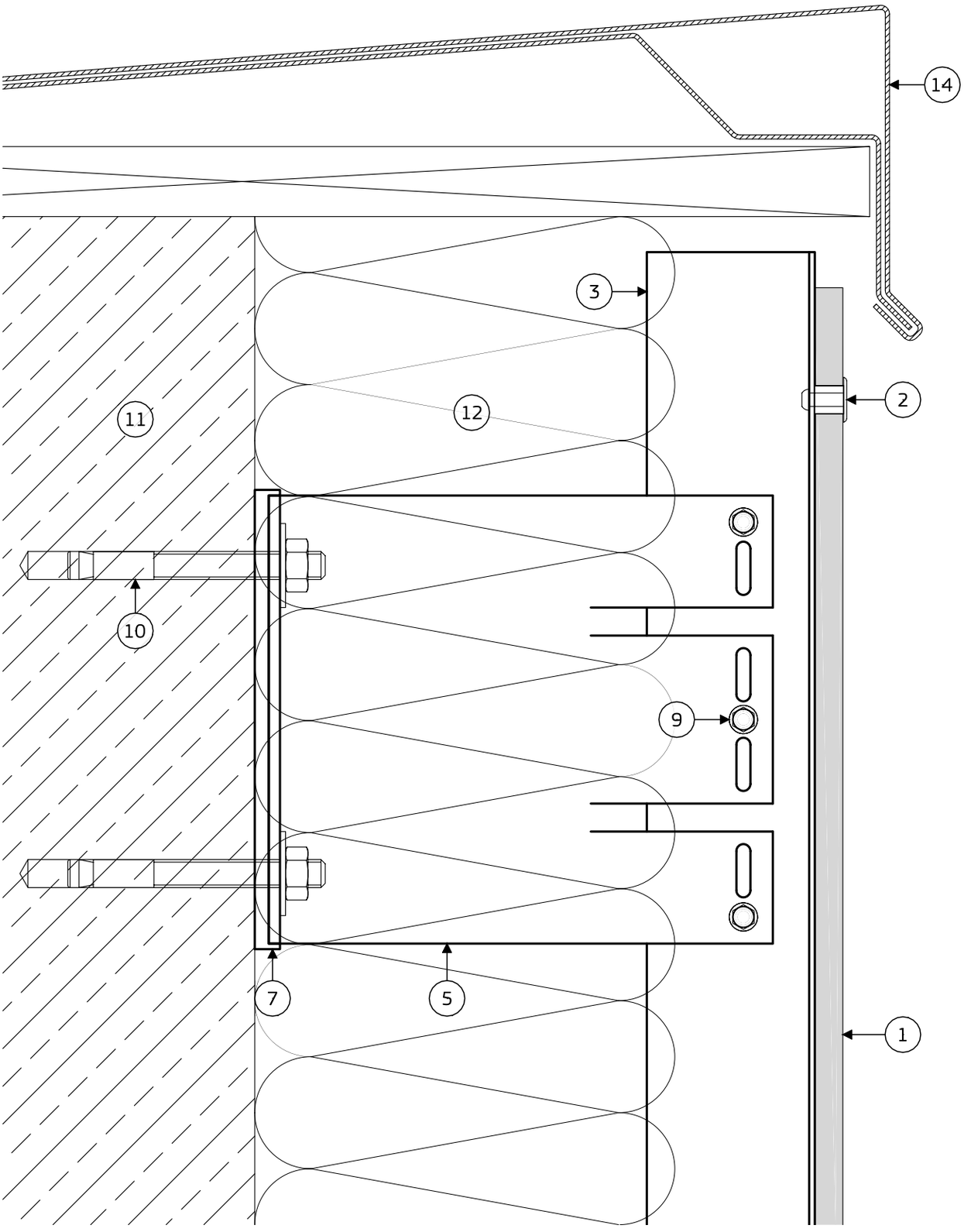
6.1 SECTION DETAIL - PARAPET



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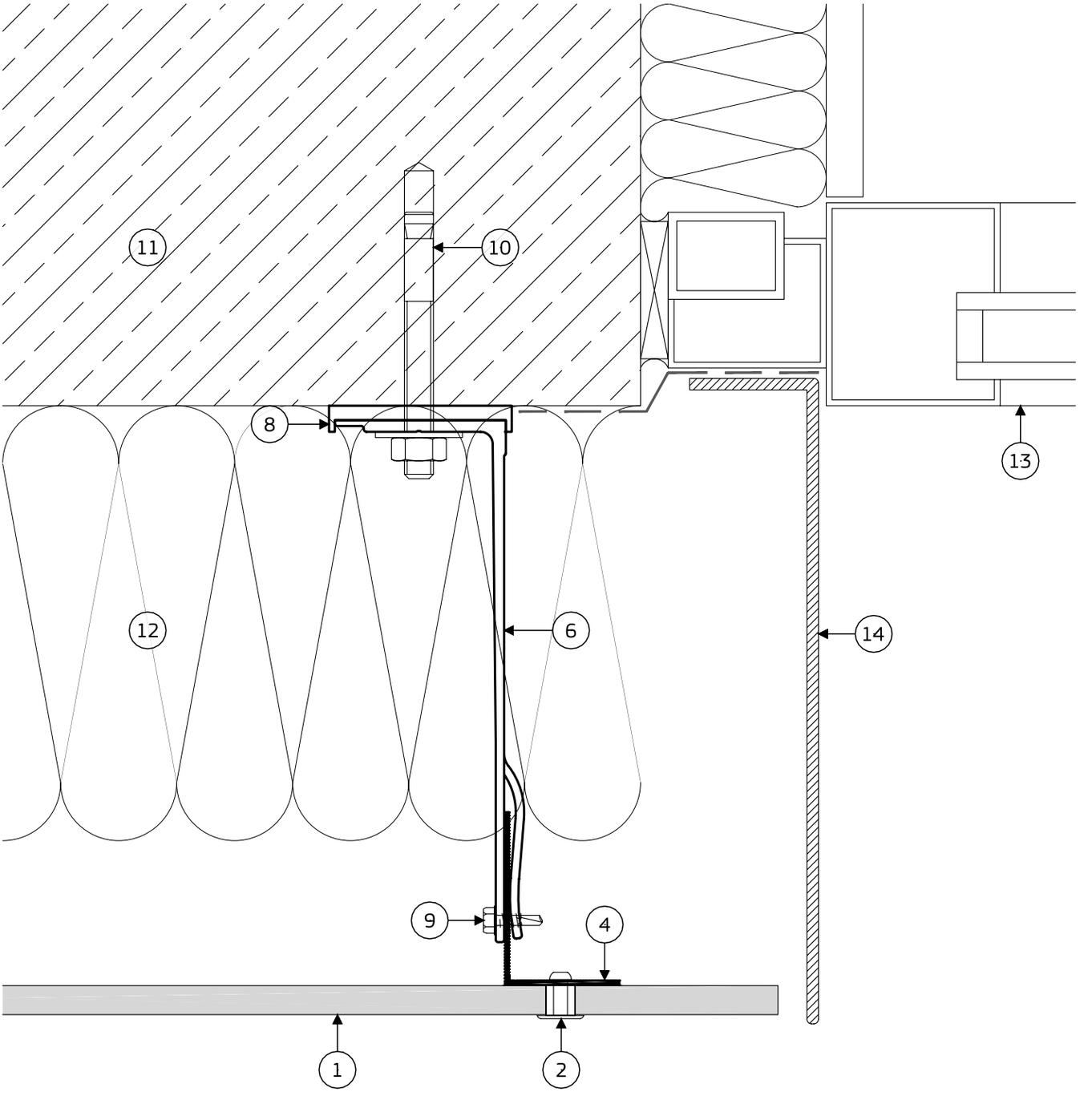
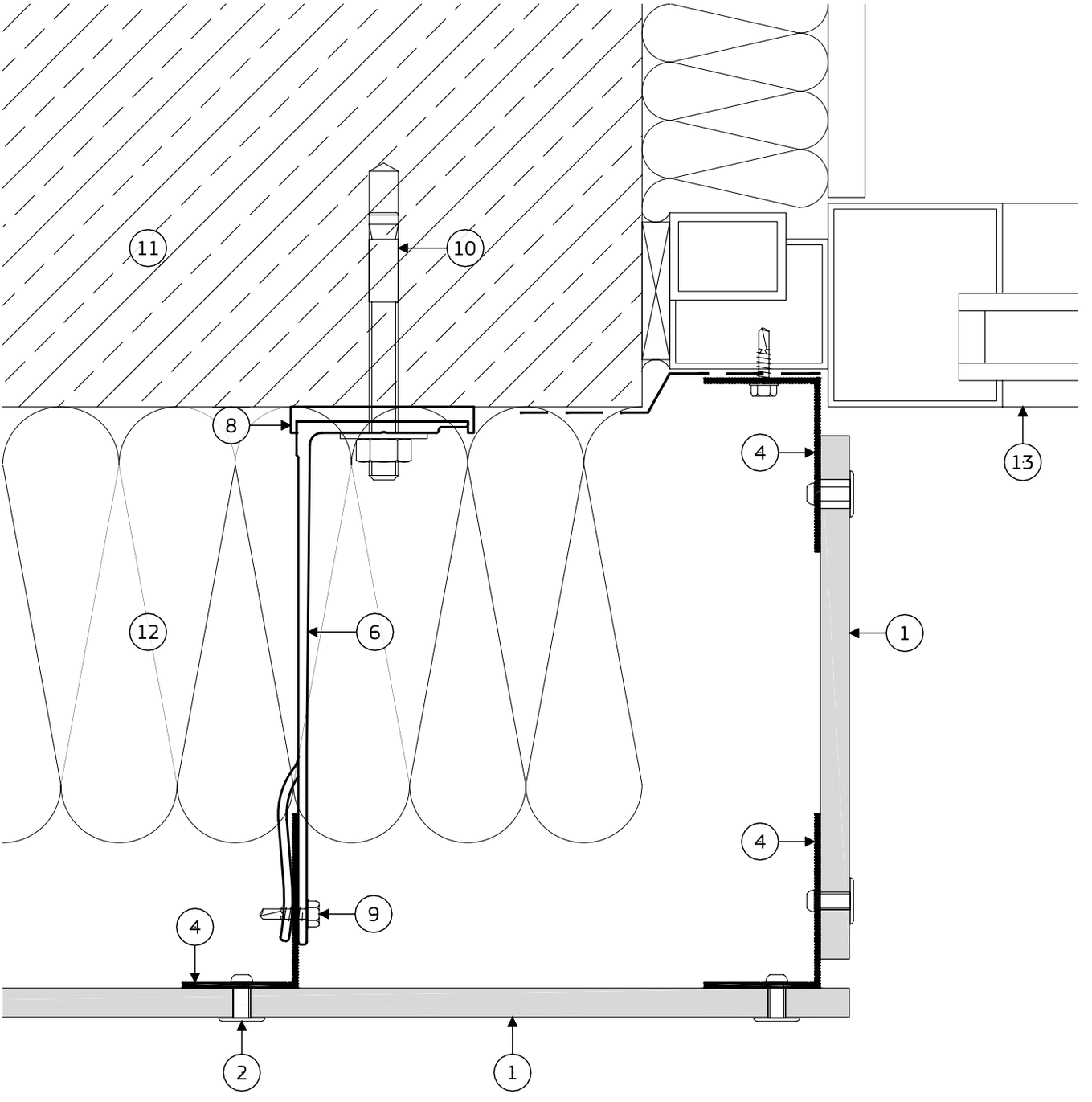
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

7.1 PLAN DETAIL - WINDOW JAMB



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.2 PLAN DETAIL - WINDOW JAMB



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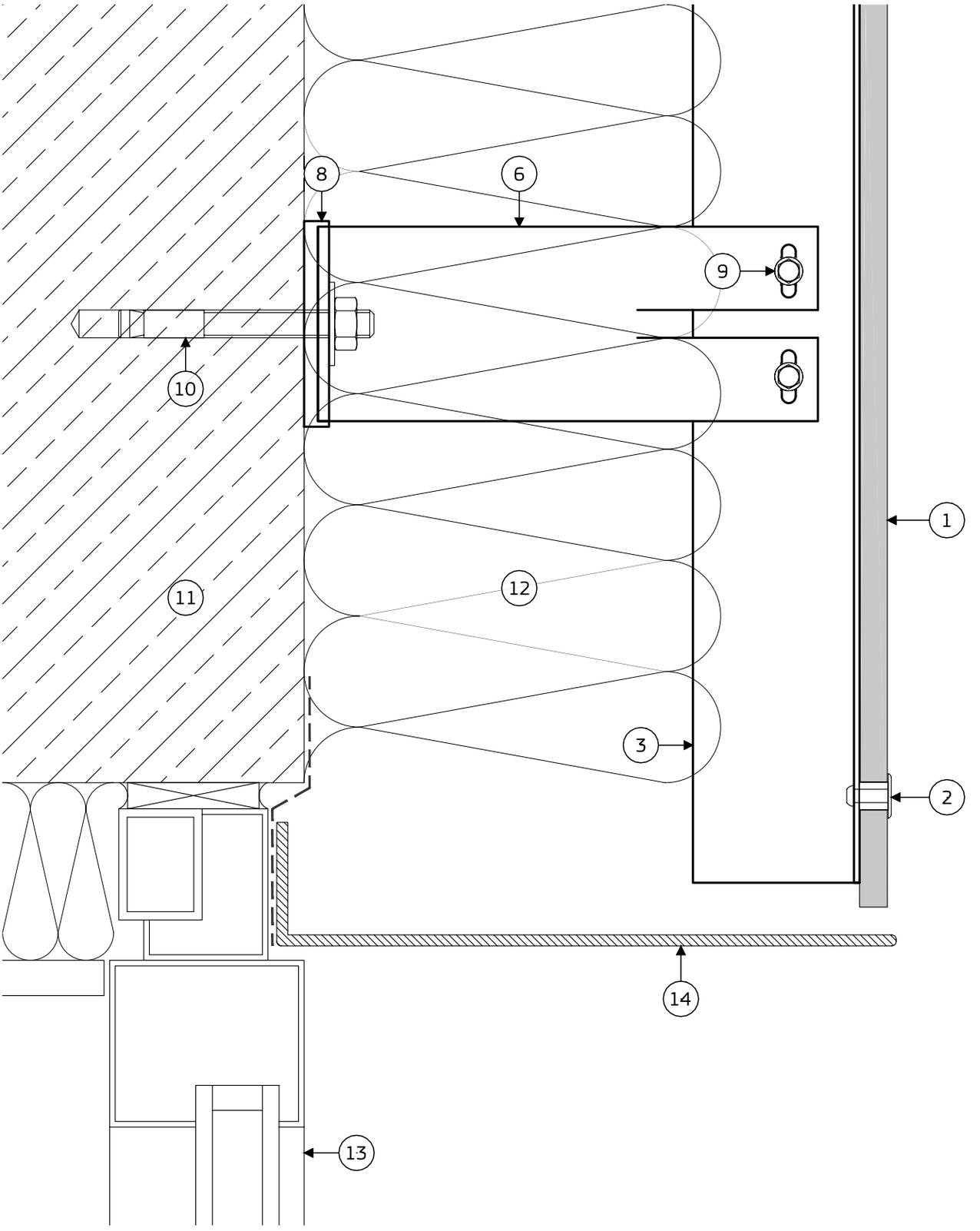
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

8.1 SECTION DETAIL - WINDOW HEAD



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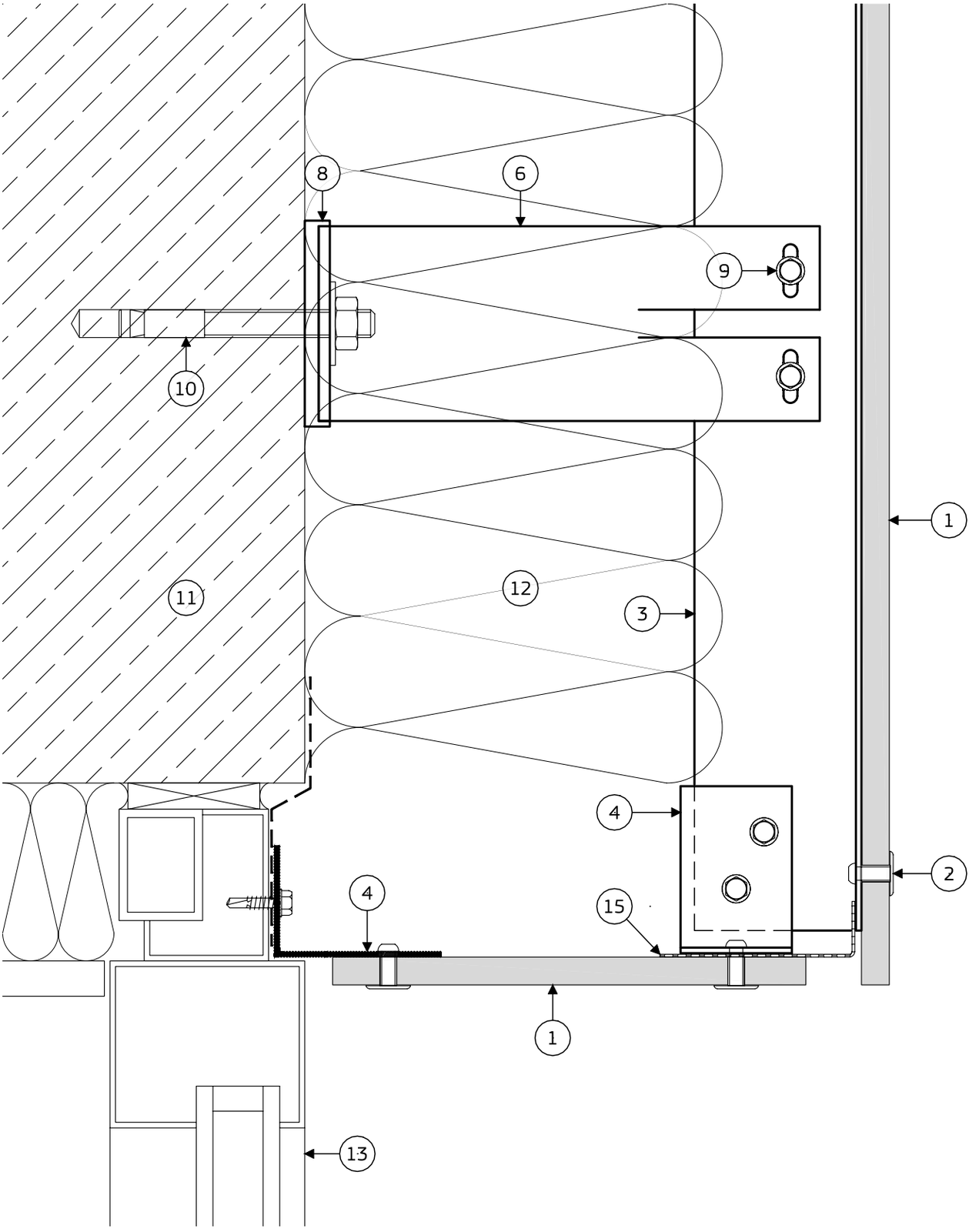
8.2 SECTION DETAIL - WINDOW HEAD



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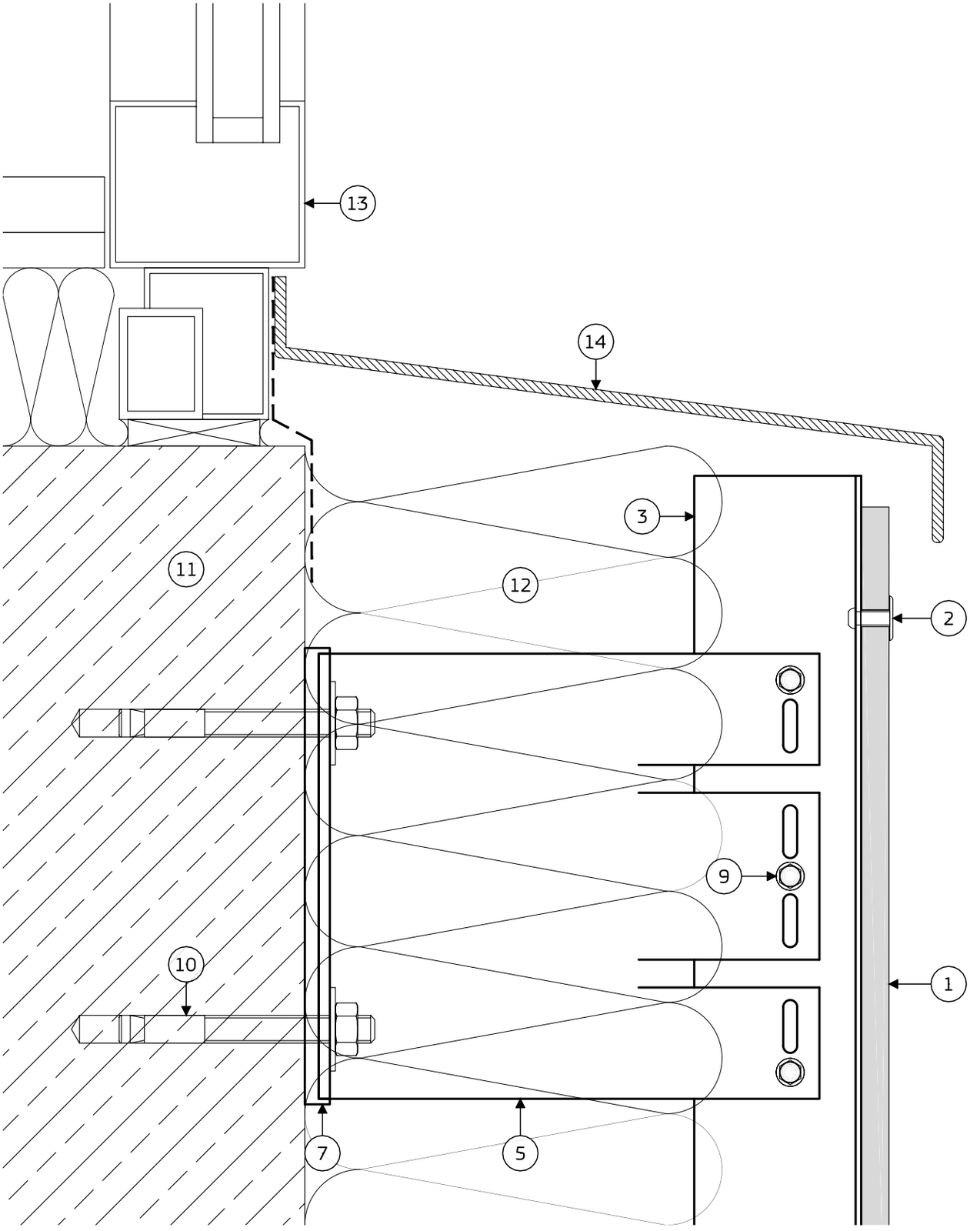
QV1.1 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

9.1 SECTION DETAIL - WINDOW SILL



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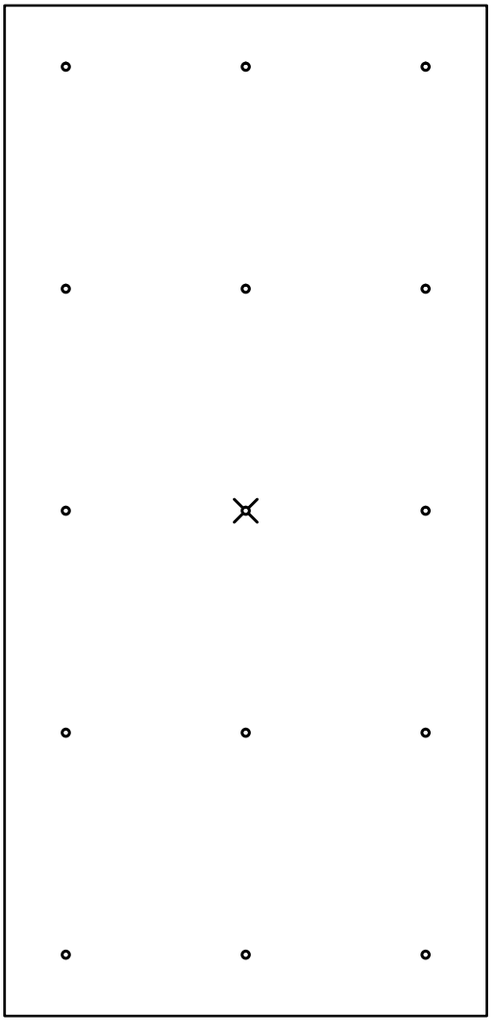
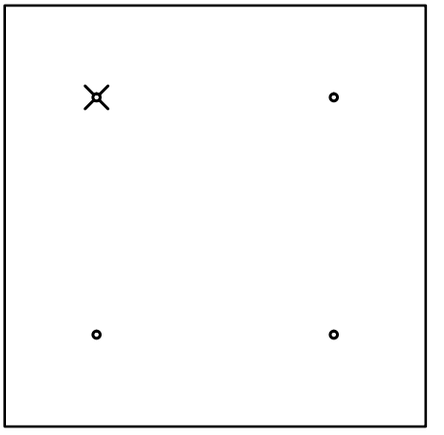
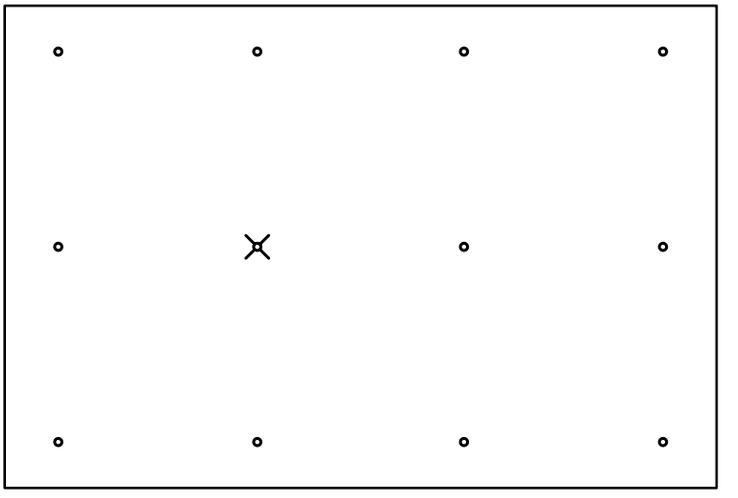
INSTALLATION DIAGRAMS



MULTI-SPAN PANEL



SINGLE-SPAN PANEL



MULTI-SPAN PANEL

Fixed point (dead load support)

Sliding point (wind load support)

The diagrams are schematic.
Refer to panel manufacturer's technical data and installation instructions for the exact diagram.

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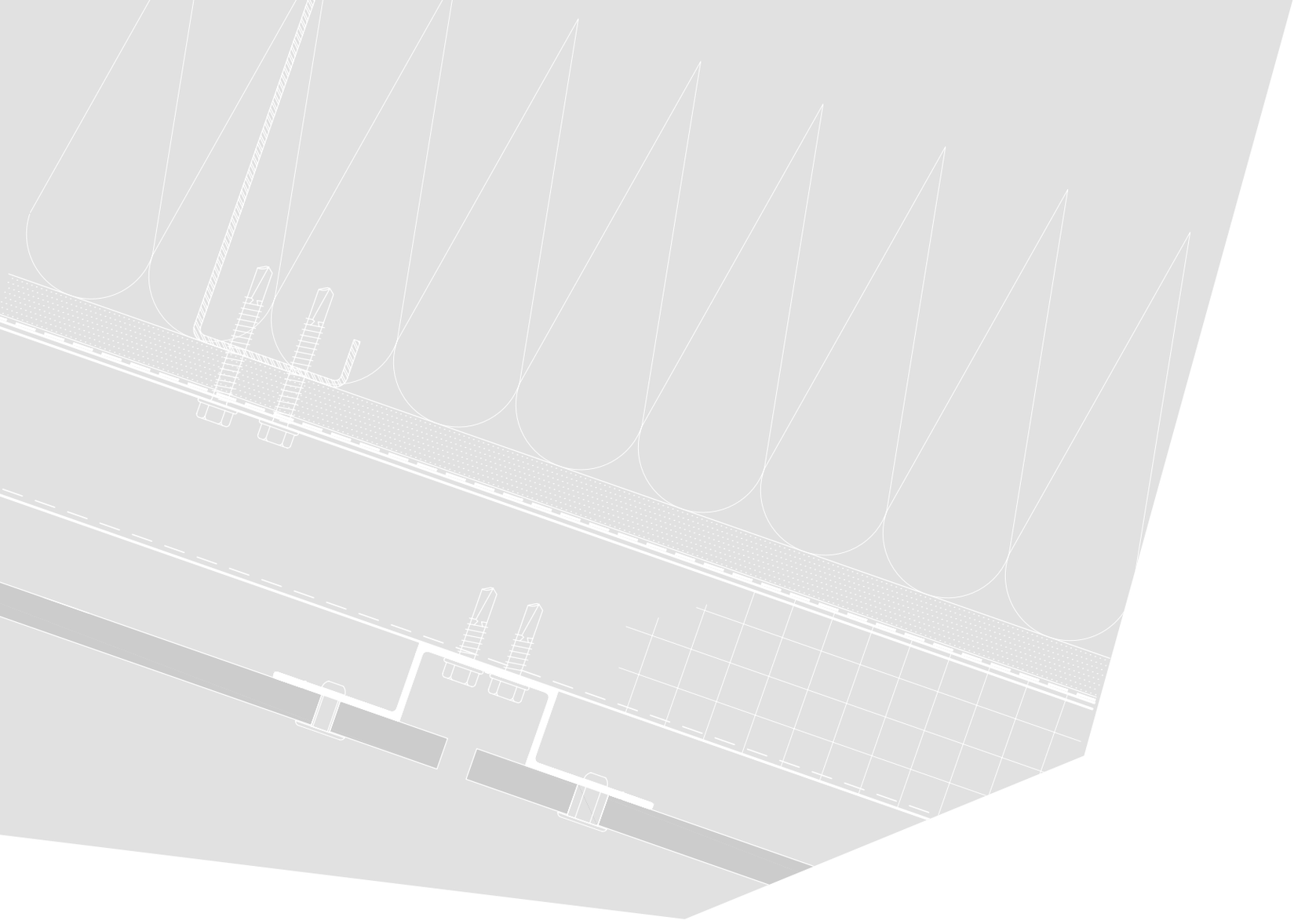

QV1.2

FLAT PANELS VISIBLE RAINSCREEN SYSTEM

USING HORIZONTAL RAILS

LEGEND

1. FLAT PANEL
2. RIVET Ø4.8x18 mm, HEAD 16 mm, PAINTED
3. HAT PROFILE 124/41x25, SLOTTED HOLES *art.No 01.5.631.02501.xxx*
4. J-RAIL 82/41x25, SLOTTED HOLES *art.No 01.4.631.02501.xxx*
5. HORIZONTAL PROFILE, PROJECT SPECIFIC
6. PROFILE L60x40x2 *art.No 01.1.60402.xxx*
7. SELF-DRILLING SCREW Ø6.3x25 mm, A2
8. SELF-DRILLING SCREW Ø6.3X45 mm, A2
9. STUD WALL
10. INSULATION
11. WINDOW SYSTEM
12. METAL TRIM / FLASHING / COPING
13. PERFORATED ALUMINUM SHEET

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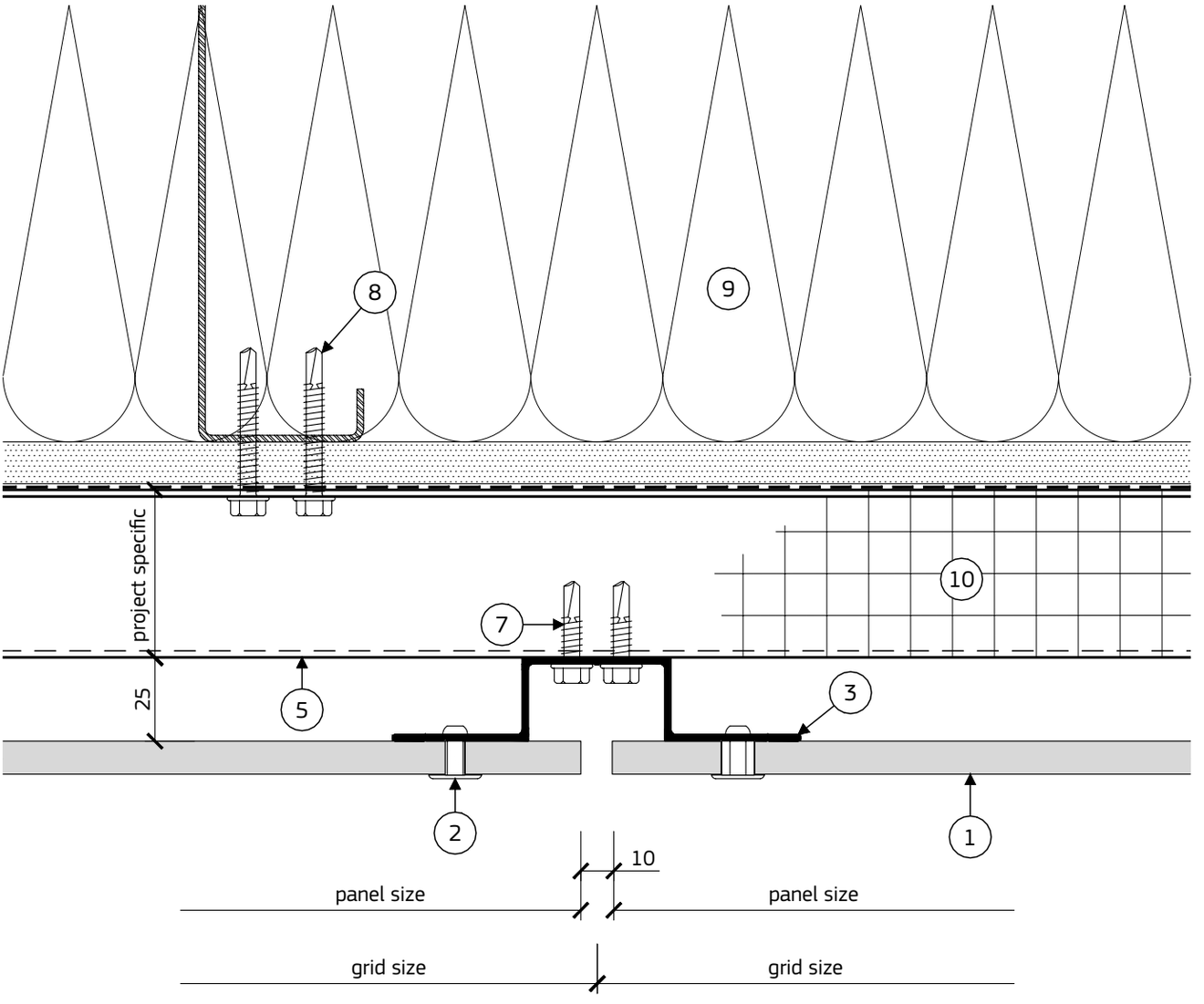
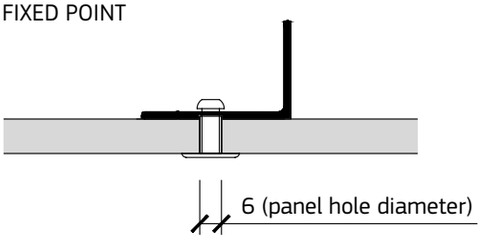
Q-VENT

QV1.2 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

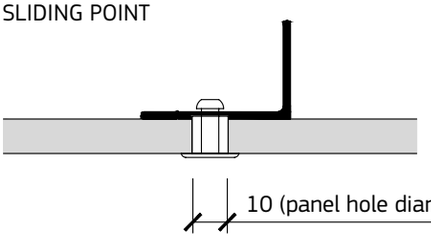
1.1 PLAN DETAIL



FIXED POINT



SLIDING POINT



Rivets at sliding points must be installed centered on the oversize hole.

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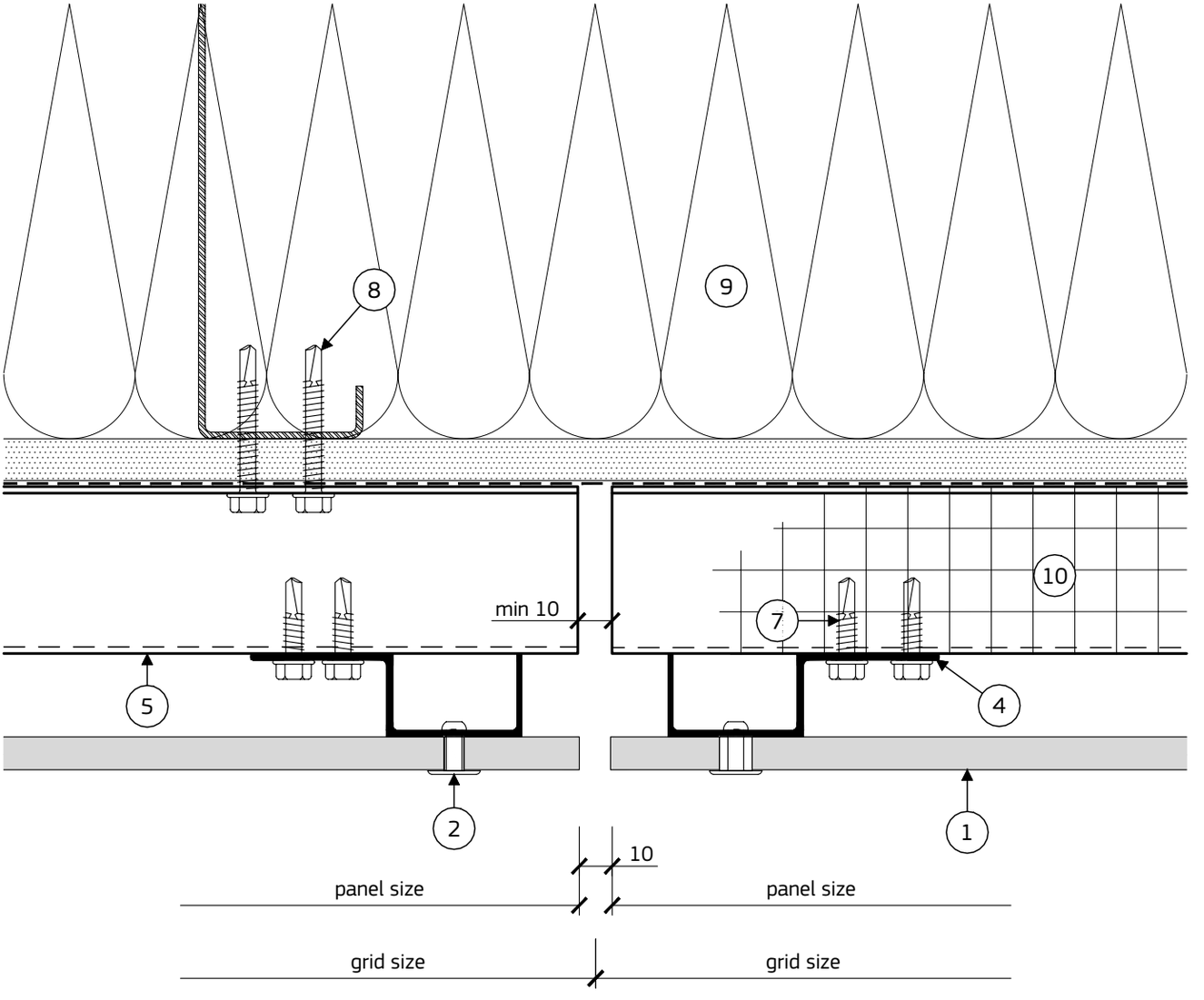
1.2 PLAN DETAIL



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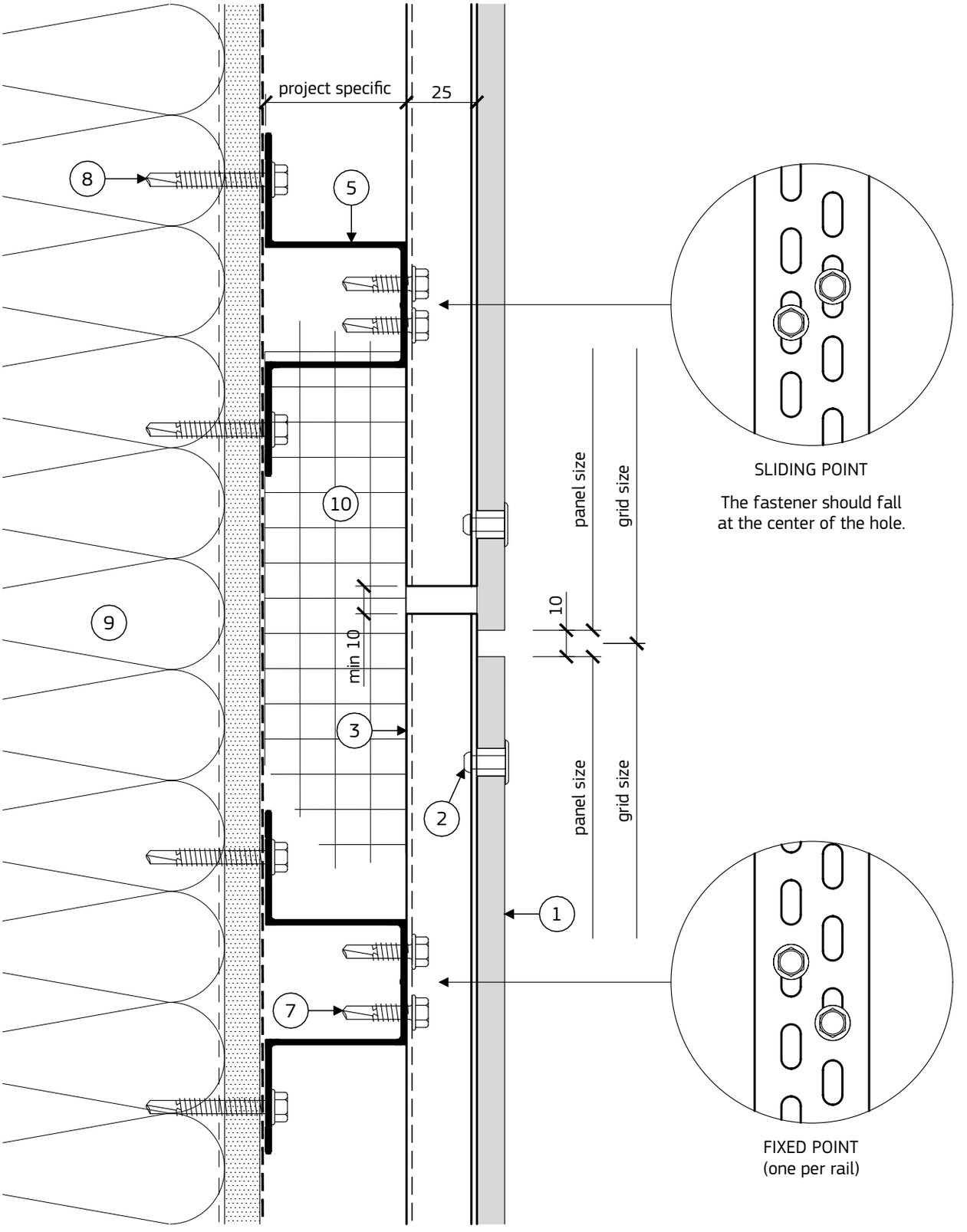
Q-VENT

QV1.2 FLAT PANELS VISIBLE RAINSCREEN SYSTEM

2.1 SECTION DETAIL



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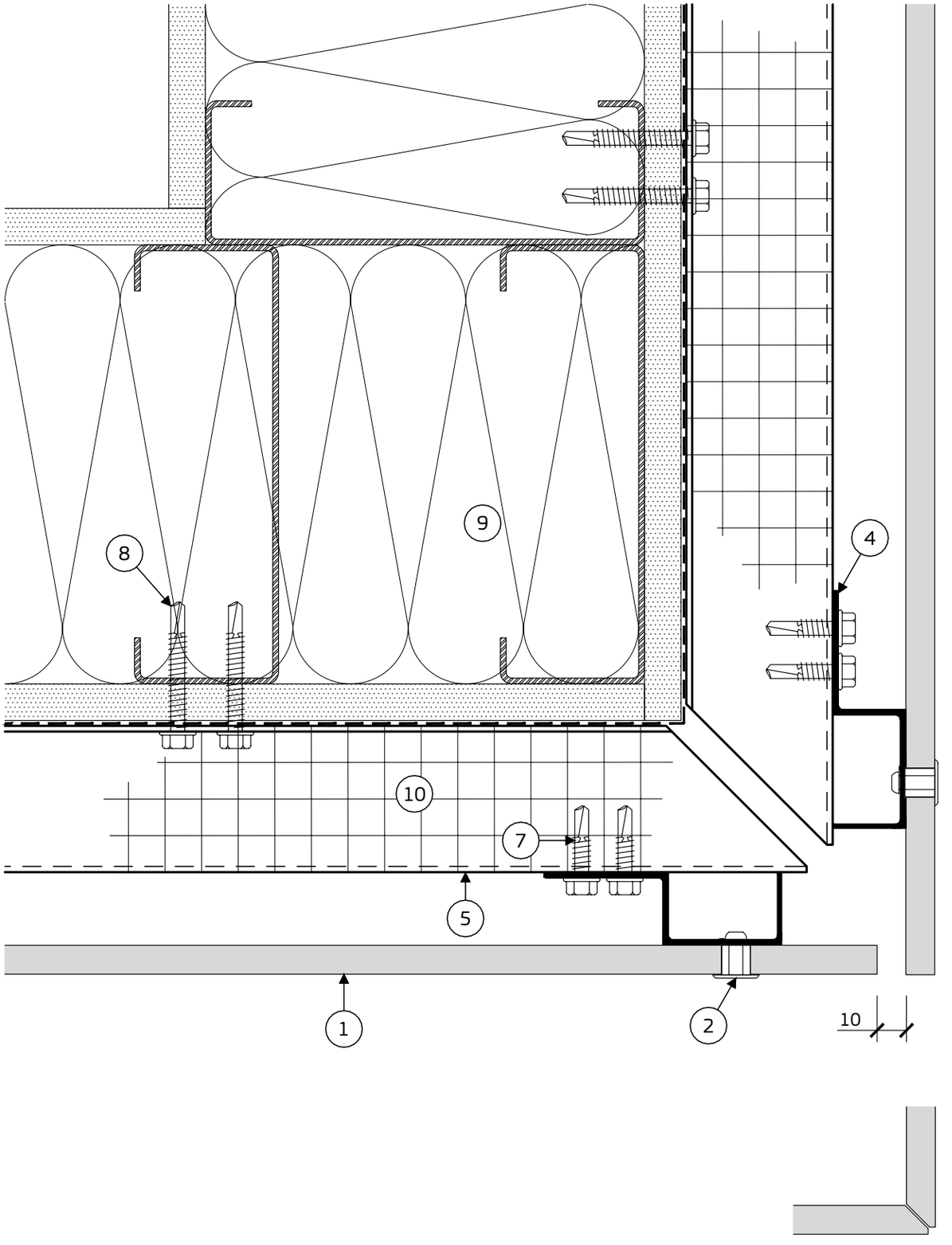
3.1 PLAN DETAIL - OUTSIDE CORNER



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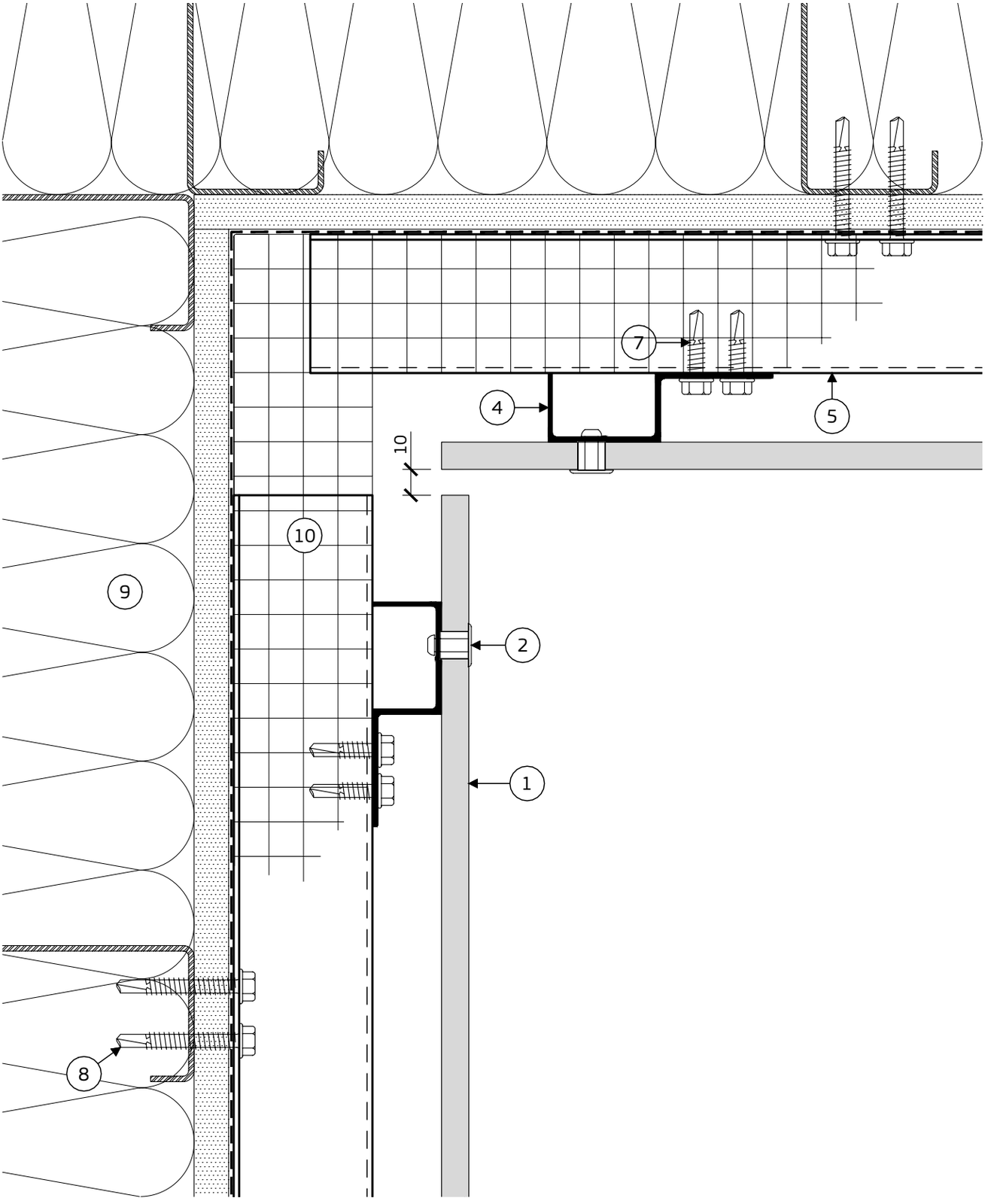
4.1 PLAN DETAIL - INSIDE CORNER



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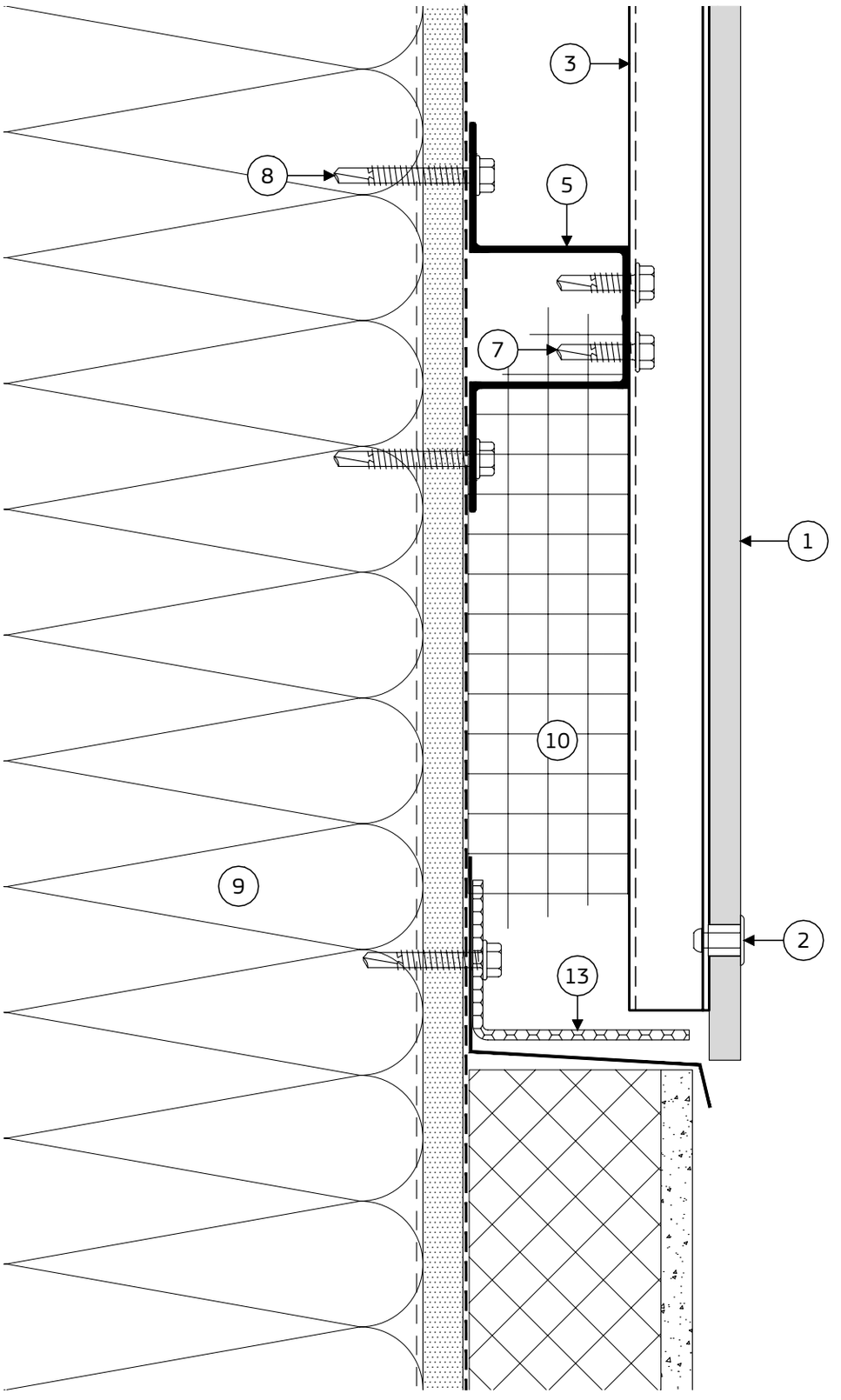
5.1 SECTION DETAIL - BASE



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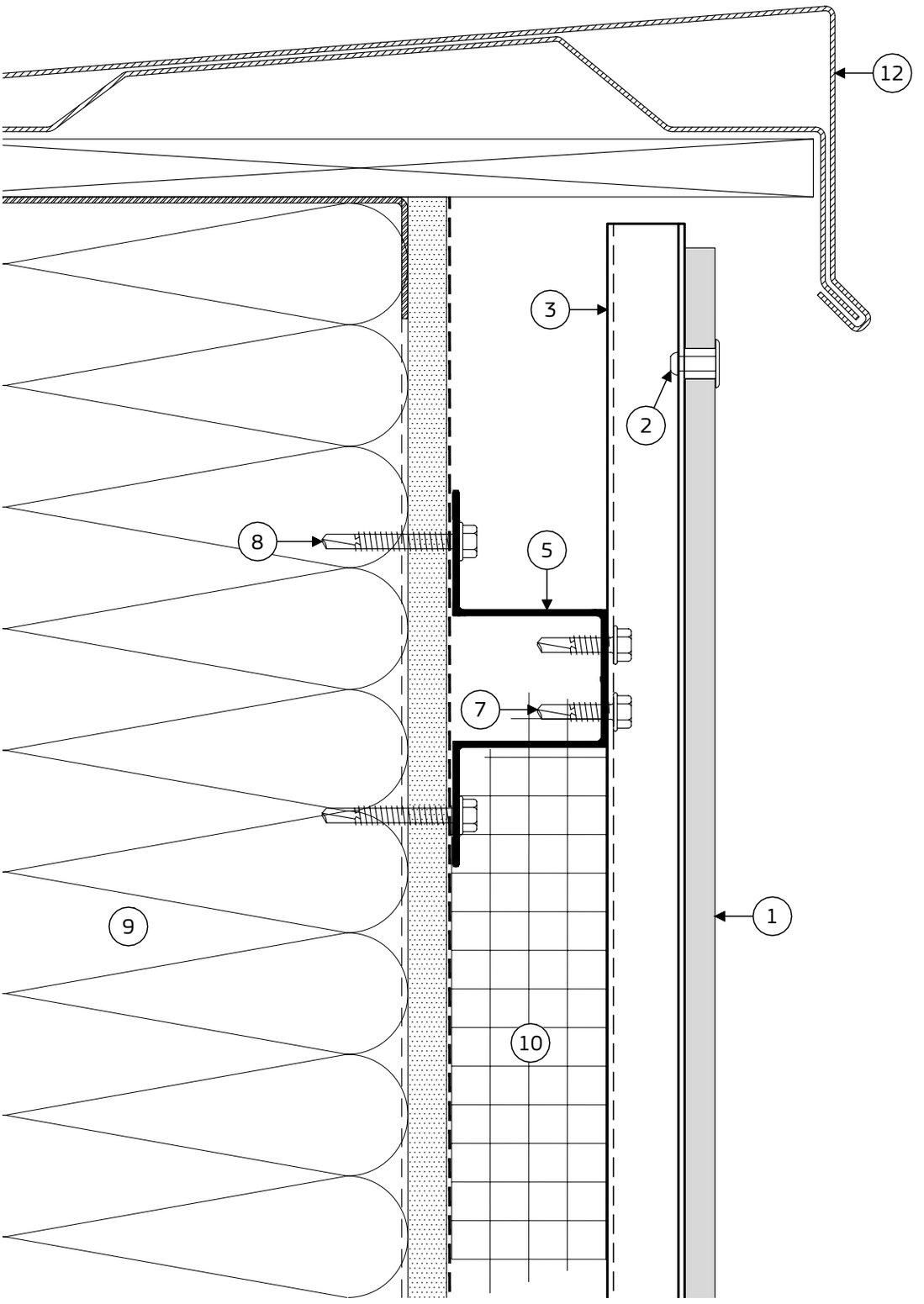
6.1 SECTION DETAIL - PARAPET



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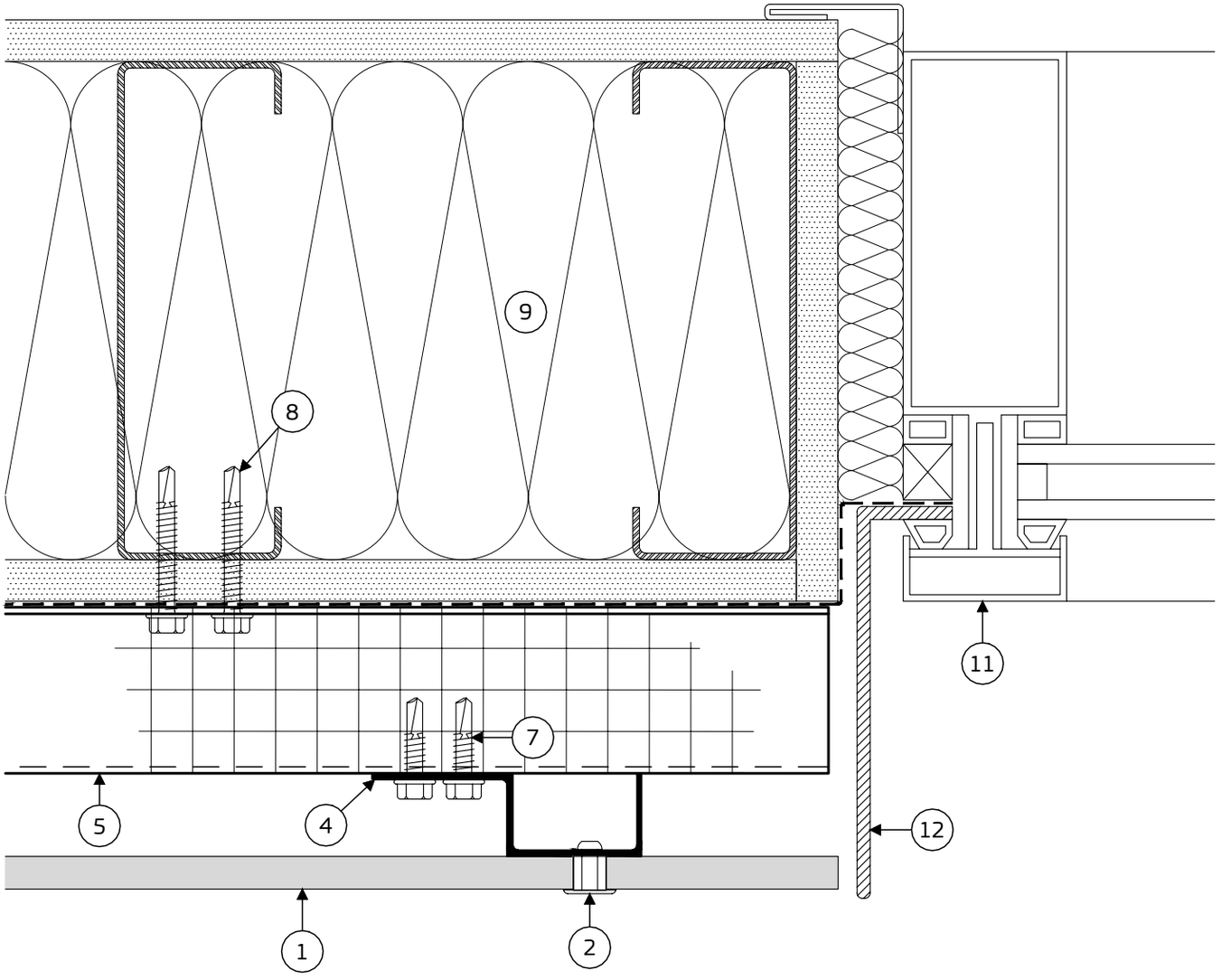
7.1 PLAN DETAIL - WINDOW JAMB



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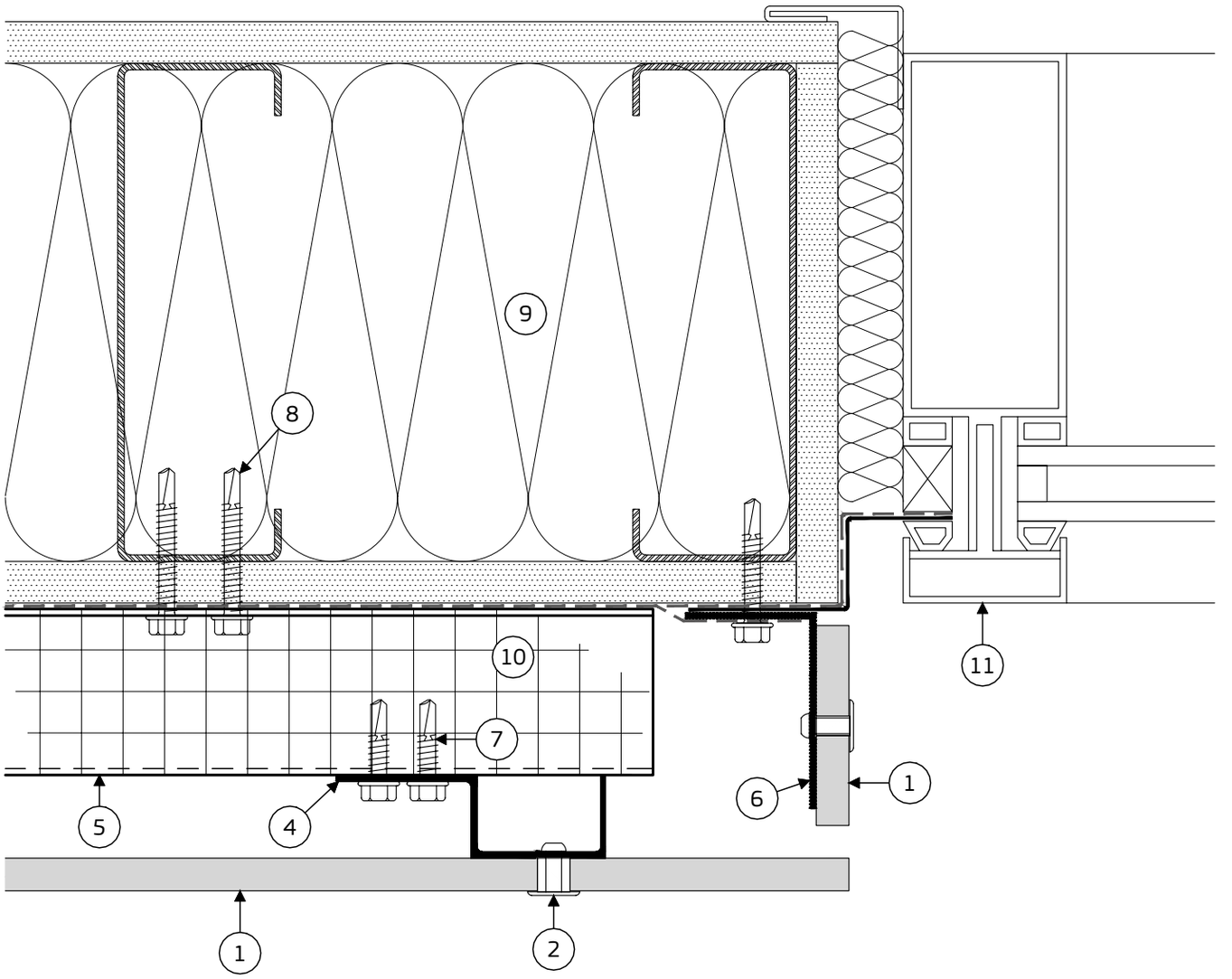
7.2 PLAN DETAIL - WINDOW JAMB



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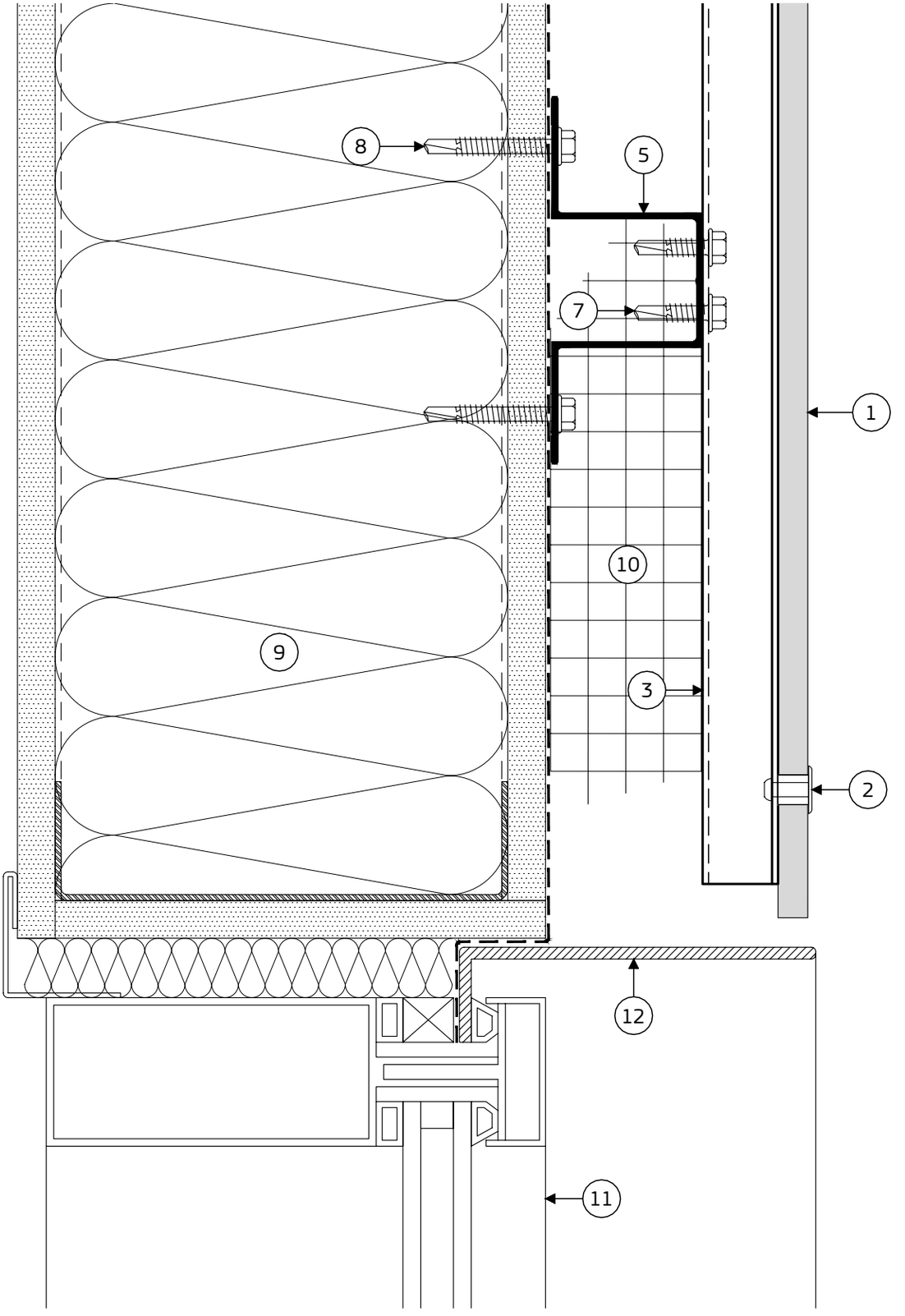
8.1 SECTION DETAIL - WINDOW HEAD



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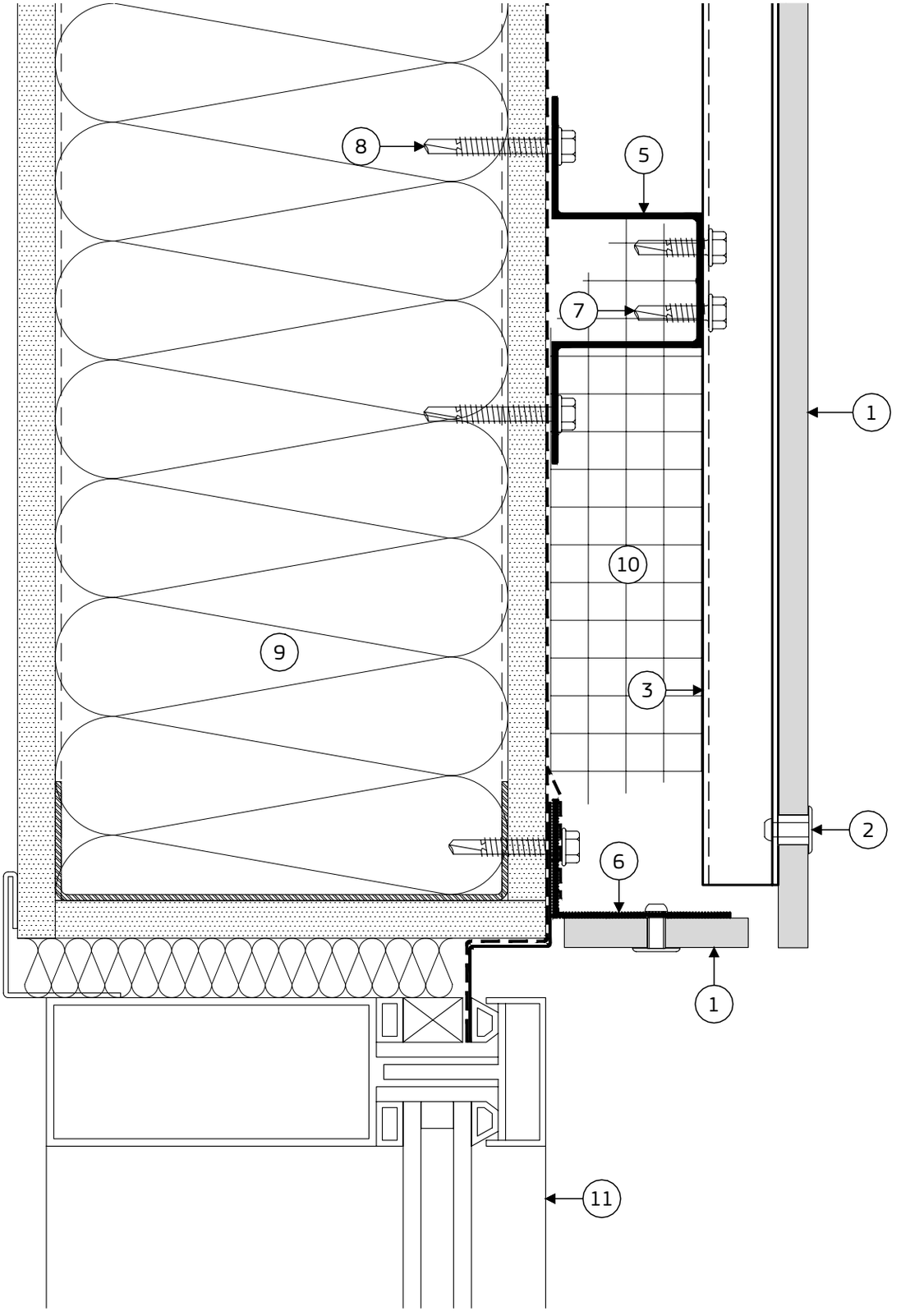
8.2 SECTION DETAIL - WINDOW HEAD



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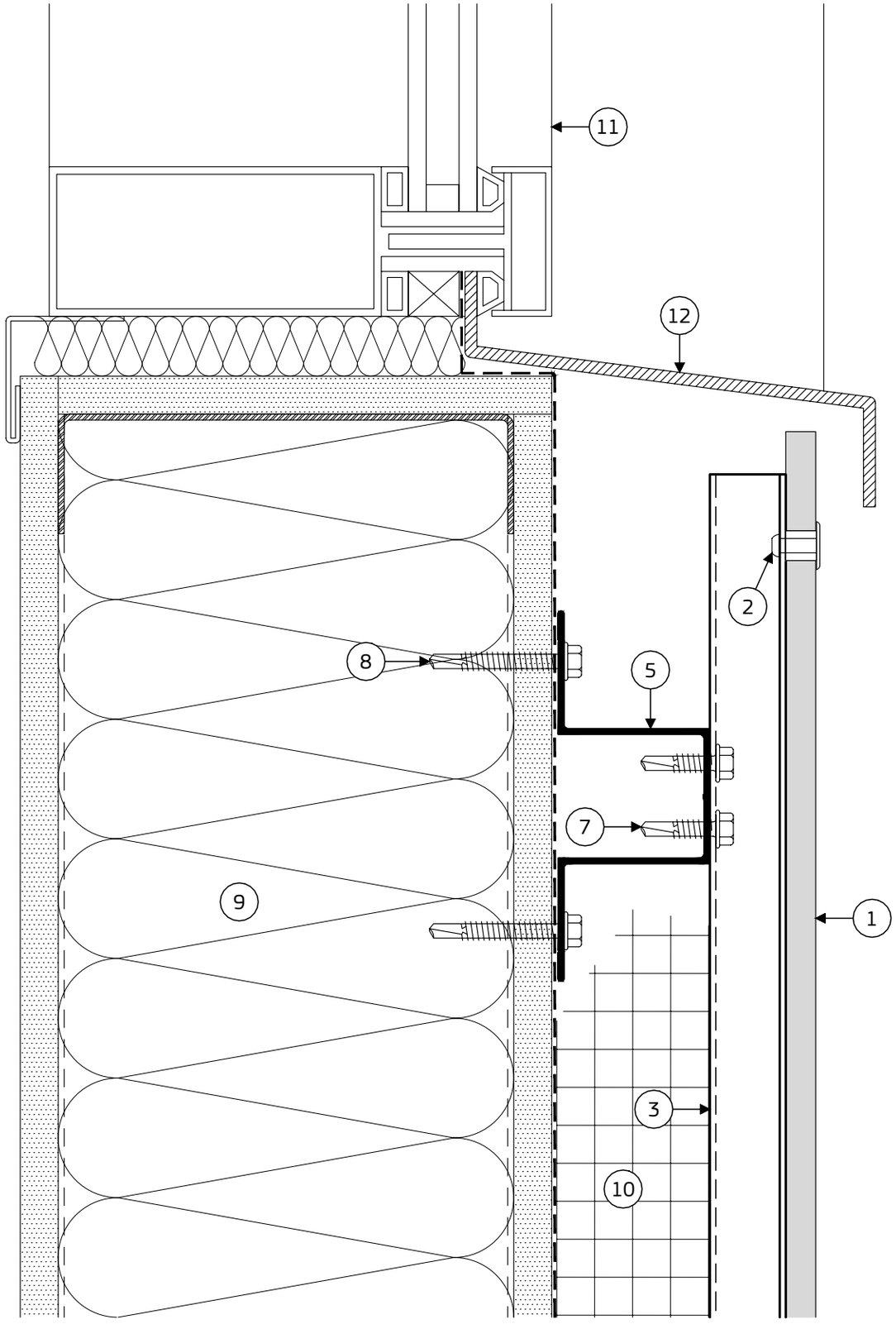
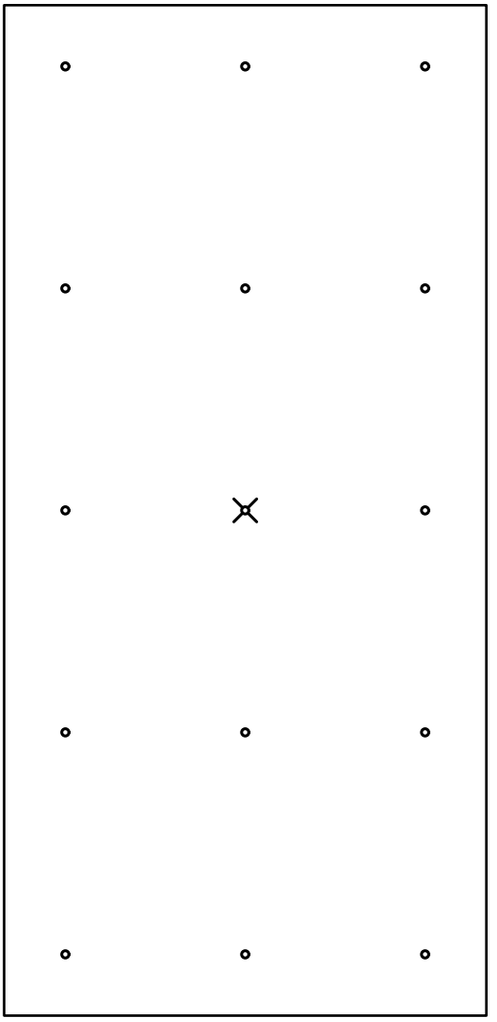
9.1 SECTION DETAIL - WINDOW SILL

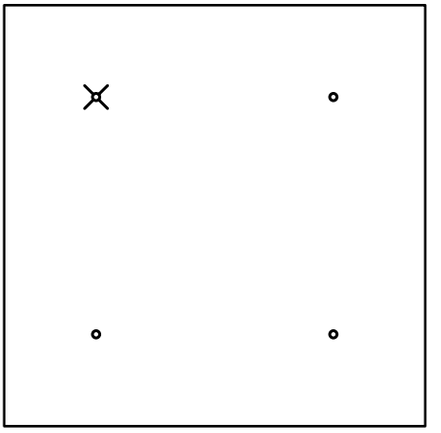


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

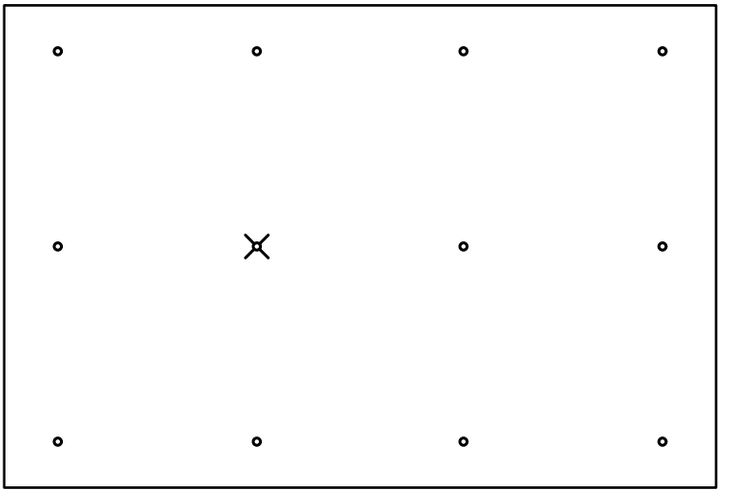
INSTALLATION DIAGRAMS



MULTI-SPAN PANEL



SINGLE-SPAN PANEL



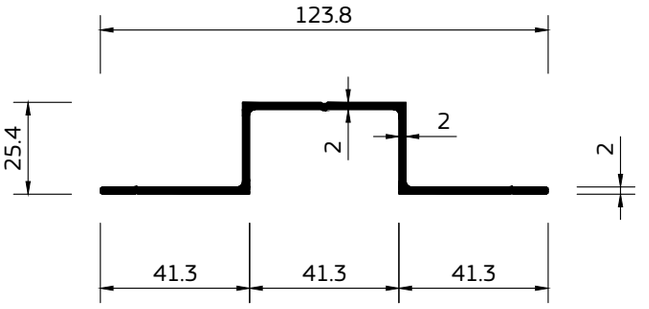
MULTI-SPAN PANEL

- Fixed point (dead load support)
- Sliding point (wind load support)

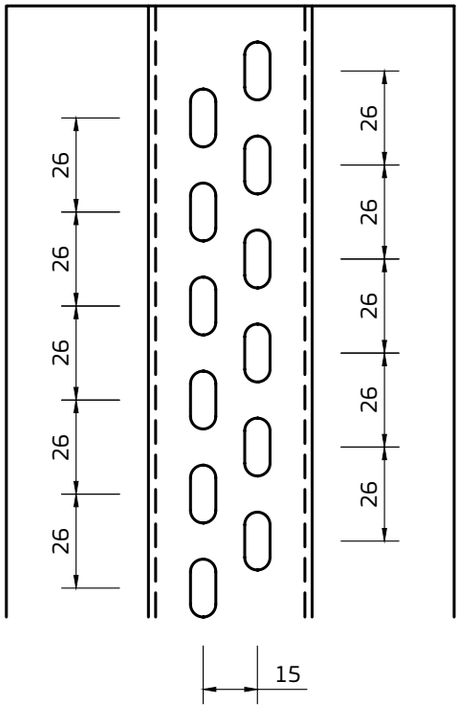
The diagrams are schematic.
Refer to panel manufacturer's technical data and installation instructions for the exact diagram.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

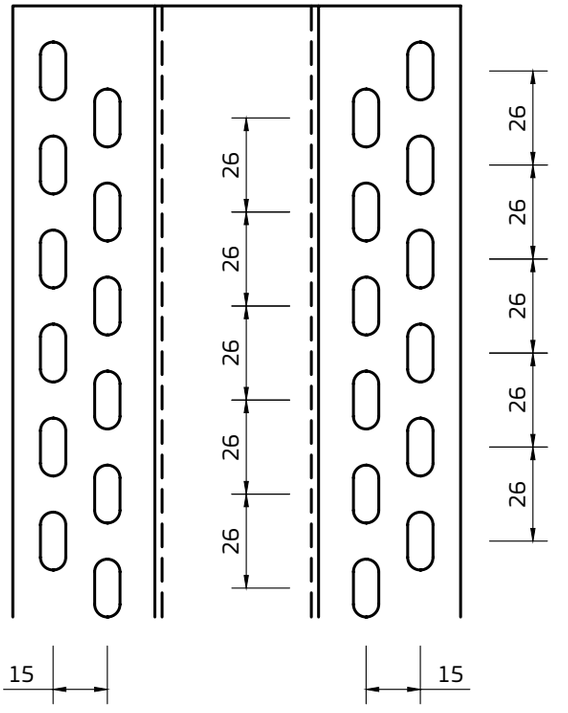
SYSTEM COMPONENTS



7x16 mm SLOTTED HOLES, OPTION 1



7x16 mm SLOTTED HOLES, OPTION 2



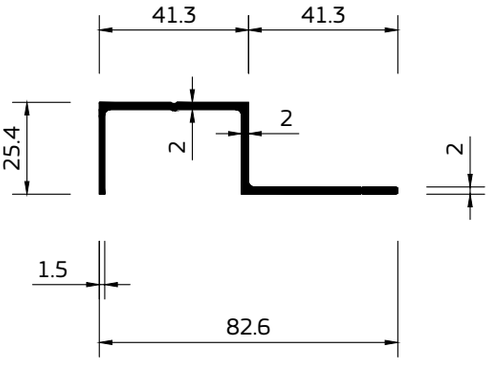
Material: AW 6063 T66

Article No	Description	Finish	Weight
01.5.02501.xxxP	HAT profile 124/41x25	painted black	926 g/m
01.5.02501.xxx	HAT profile 124/41x25	unpainted	
01.5.631.02501.xxxP	HAT rail 124/41x25, slotted holes, option 1	painted black	
01.5.631.02501.xxx	HAT rail 124/41x25, slotted holes, option 1	unpainted	
01.5.632.02501.xxxP	HAT rail 124/41x25, slotted holes, option 2	painted black	
01.5.632.02501.xxx	HAT rail 124/41x25, slotted holes, option 2	unpainted	

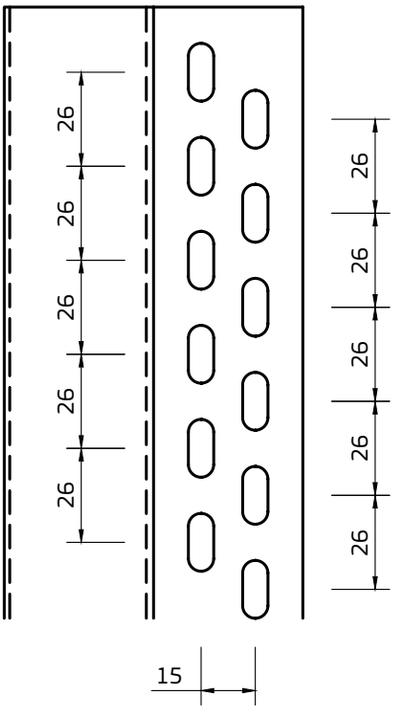
xxx - profile length

Standard length 6000 mm.
Other colors or anodized finishes on request.

SYSTEM COMPONENTS



7x16 mm SLOTTED HOLES



Material: AW 6063 T66

Article No	Description	Finish	Weight
01.4.02501.xxxP	J-rail 82/41x25	painted black	668 g/m
01.4.02501.xxx	J-rail 82/41x25	unpainted	
01.4.631.02501.xxxP	J-rail 82/41x25, slotted holes	painted black	
01.4.631.02501.xxx	J-rail 82/41x25, slotted holes	unpainted	

xxx - profile length

Standard length 6000 mm.
Other colors or anodized finishes on request.

QV2

FLAT PANELS ADHESIVE RAINSCREEN SYSTEM

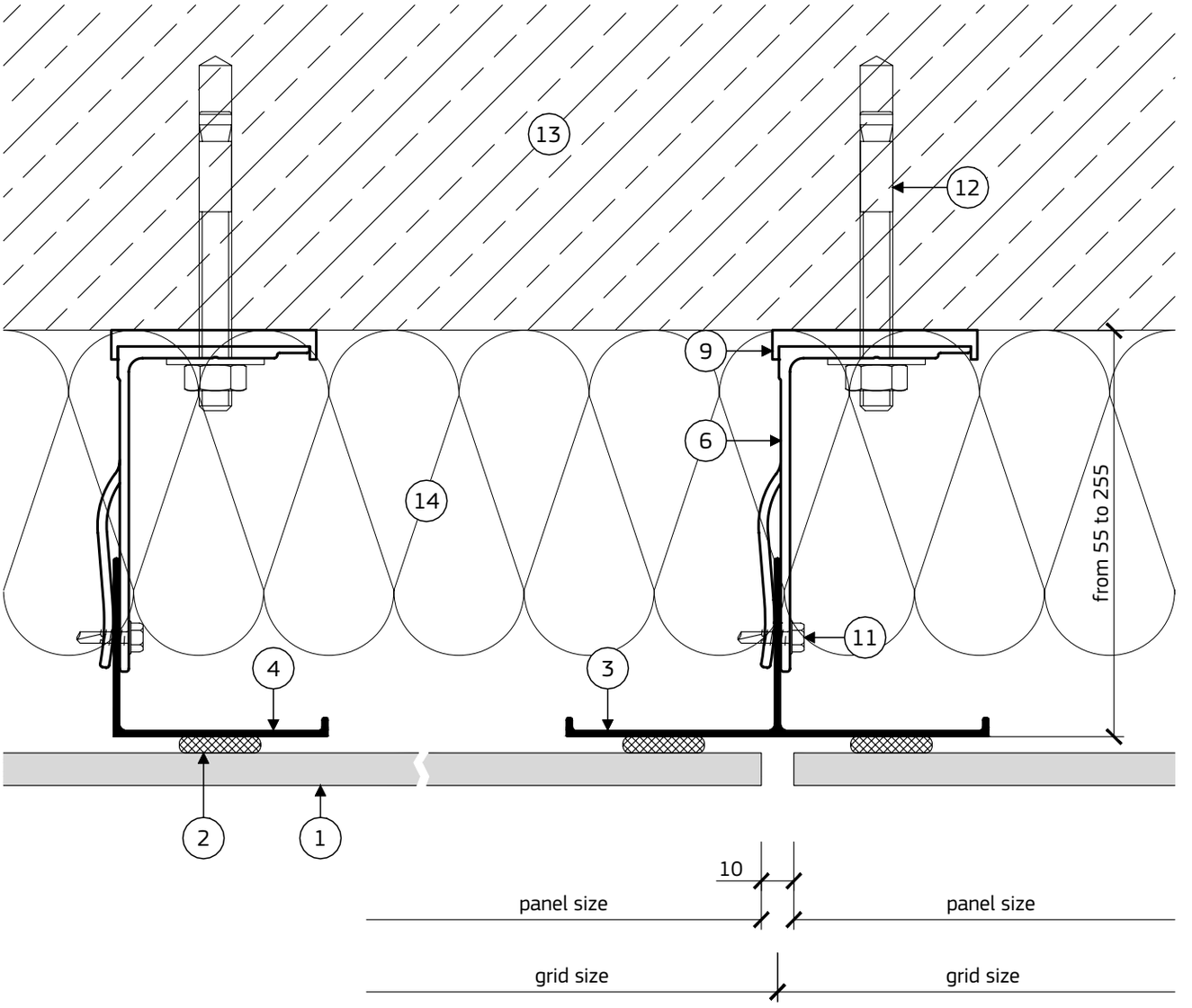
USING QVB WALL BRACKETS

LEGEND

1. FLAT PANEL
2. ADHESIVE SYSTEM
3. PROFILE T130x55x2 *art.No 01.2.130552.xxx*
4. PROFILE L66x55x2 *art.No 01.1.66552.xxx*
5. PROFILE L66x66x2 *art.No 01.1.66662.xxx*
6. WALL BRACKET QVB 100/160, FIXED POINT *art.No 02.100.160.10*
7. WALL BRACKET QVB 100/70, SLIDING POINT *art.No 02.100.70.10*
8. WALL BRACKET QVB 50/70, SLIDING POINT *art.No 02.50.70.10*
9. THERMO-PAD 160x59 *art.No 05.59.160*
10. THERMO-PAD 70x59 *art.No 05.59.70*
11. SELF-DRILLING SCREW Ø4.8x16 mm, A2
12. FASTENER
13. CONCRETE / MASONRY WALL
14. INSULATION
15. WINDOW SYSTEM
16. METAL TRIM / FLASHING / COPING
17. PERFORATED ALUMINUM SHEET

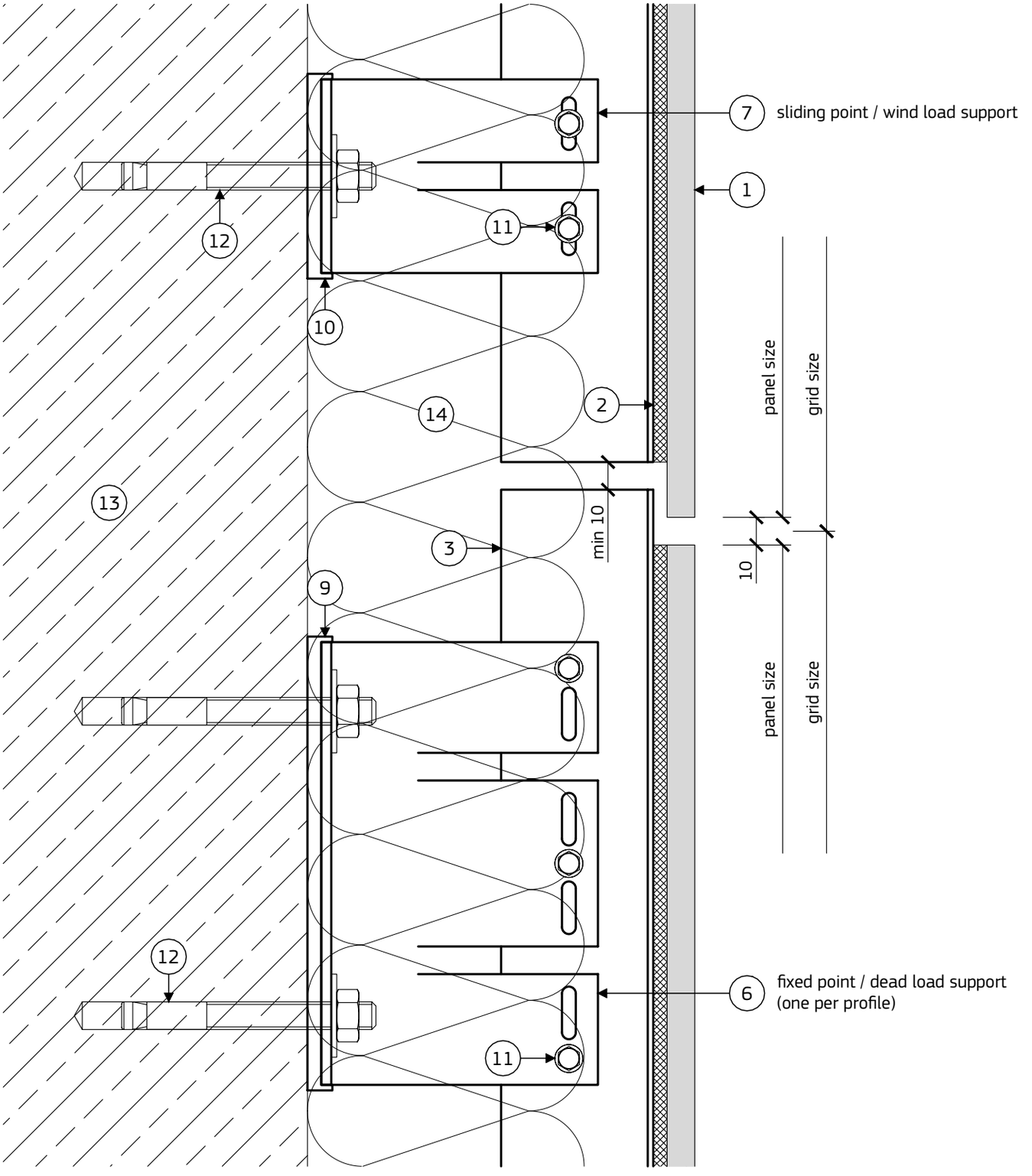
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.1 PLAN DETAIL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

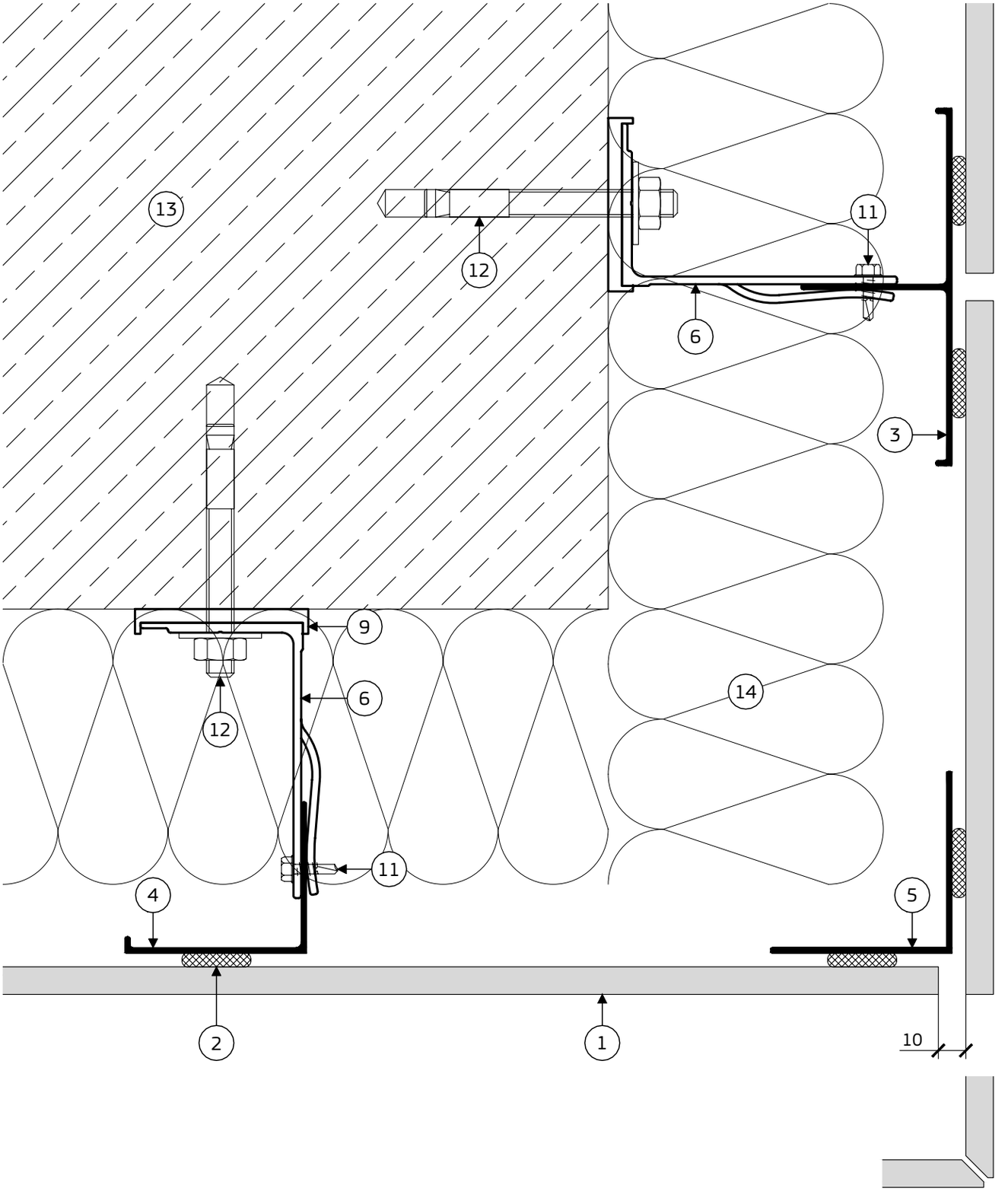
2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

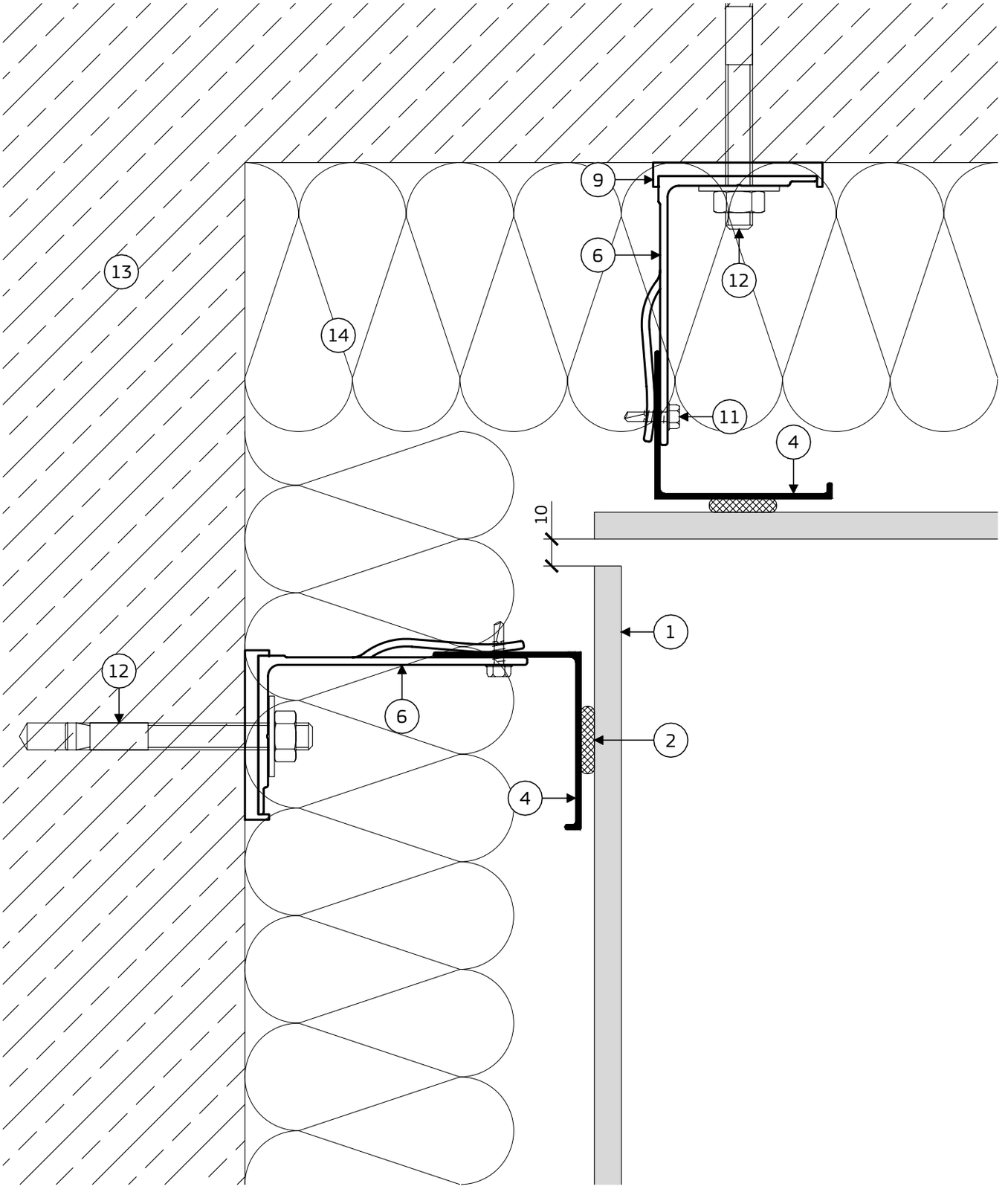
10/2018

3.1 PLAN DETAIL - OUTSIDE CORNER



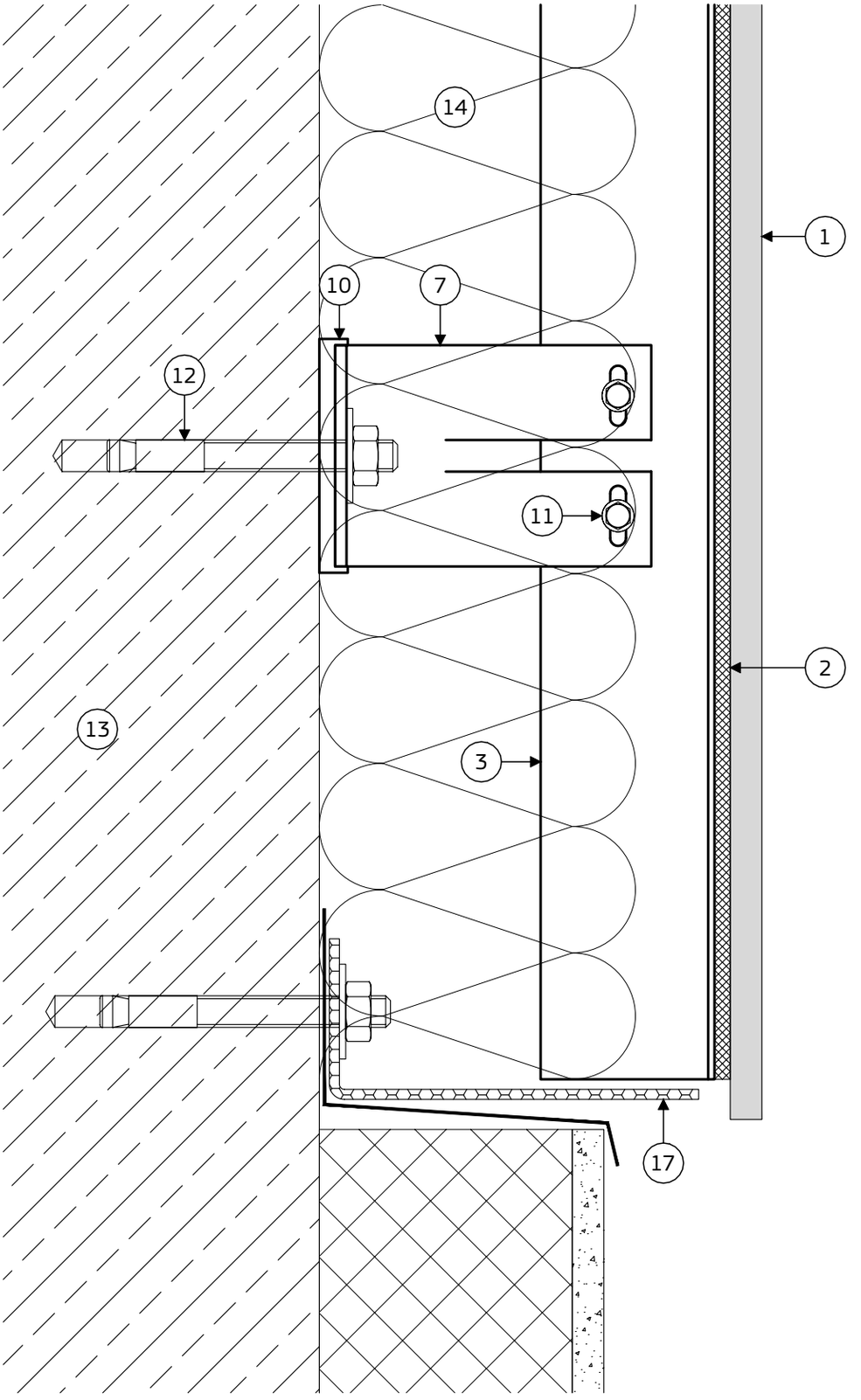
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



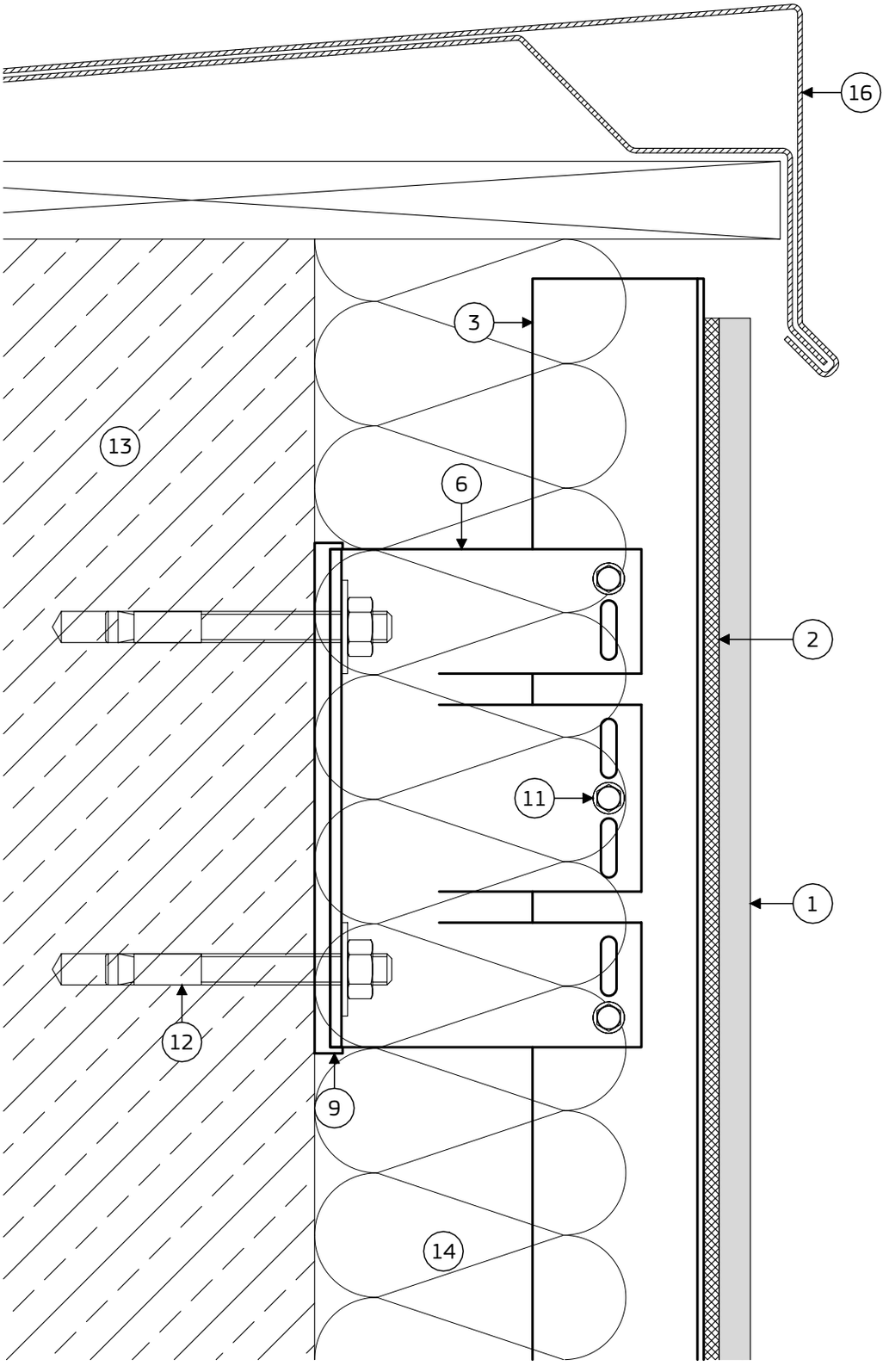
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



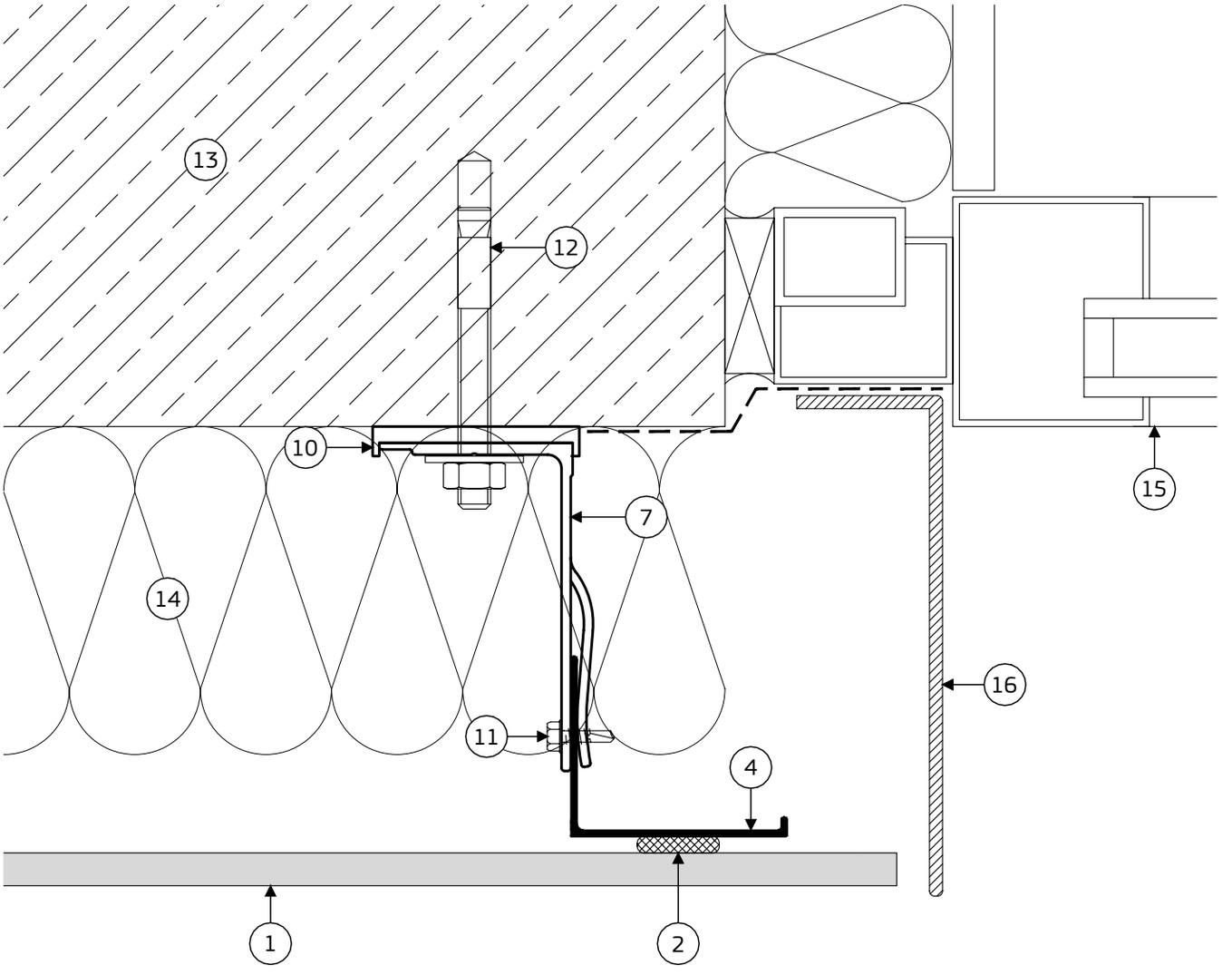
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



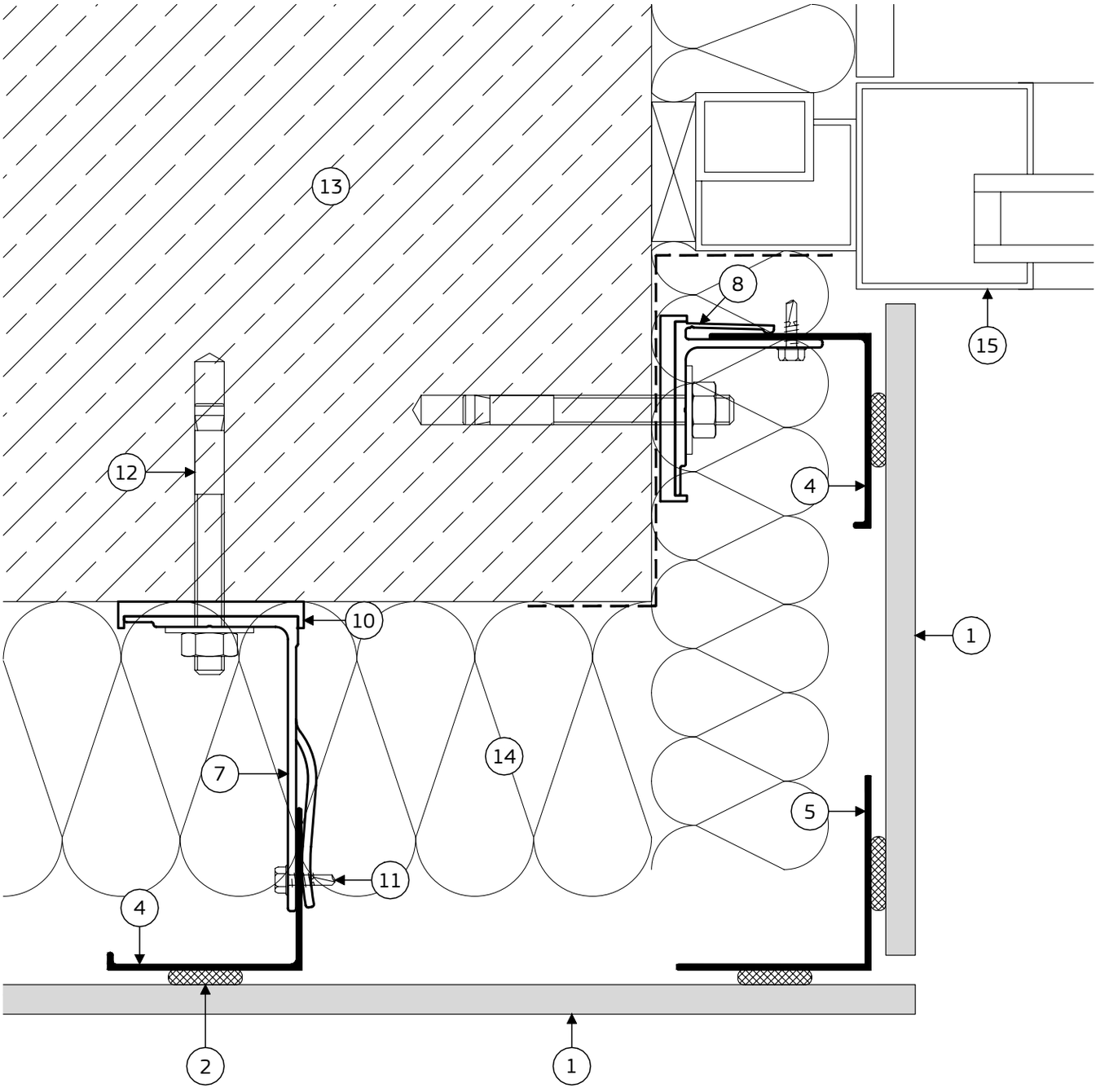
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



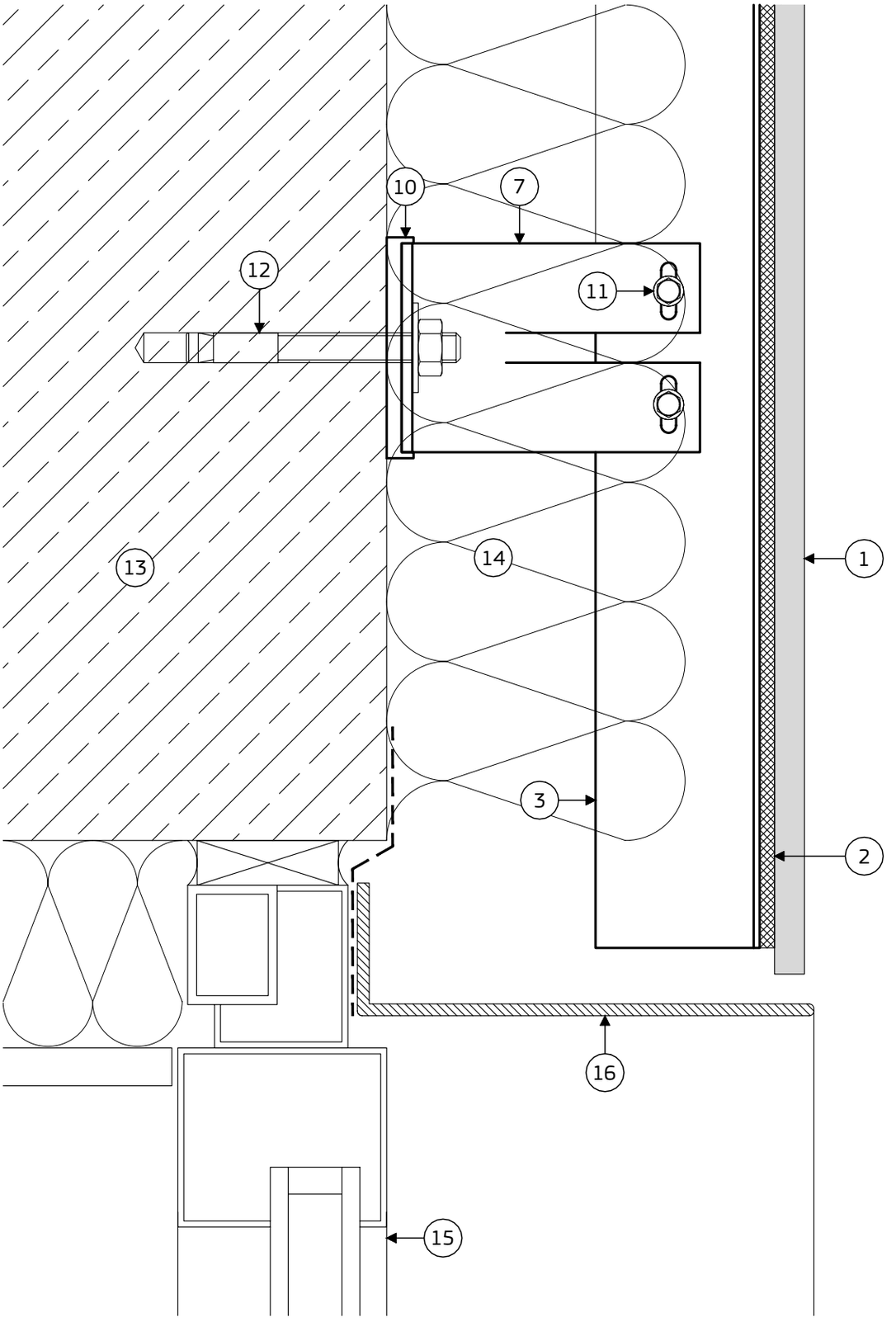
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.2 PLAN DETAIL - WINDOW JAMB



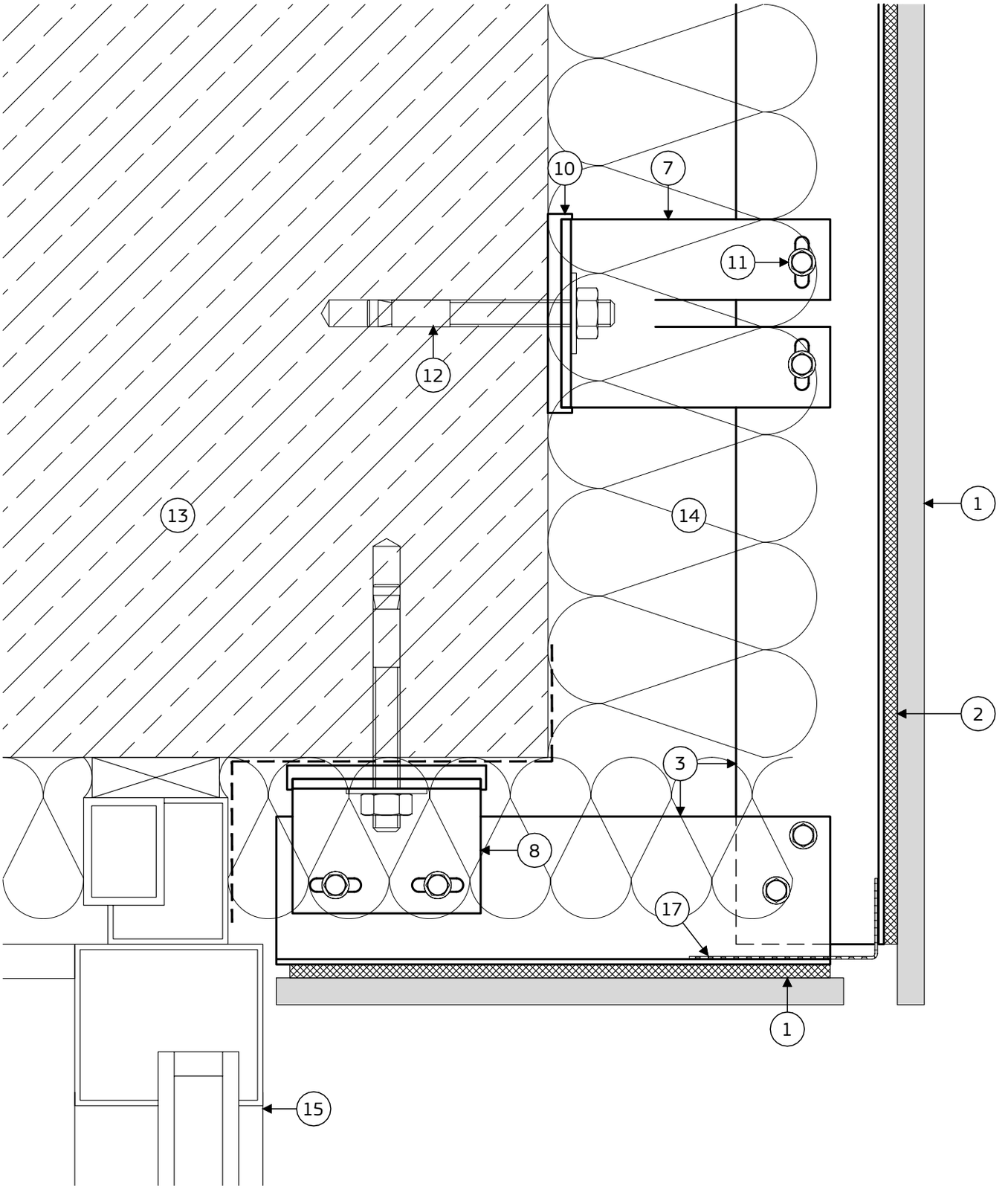
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



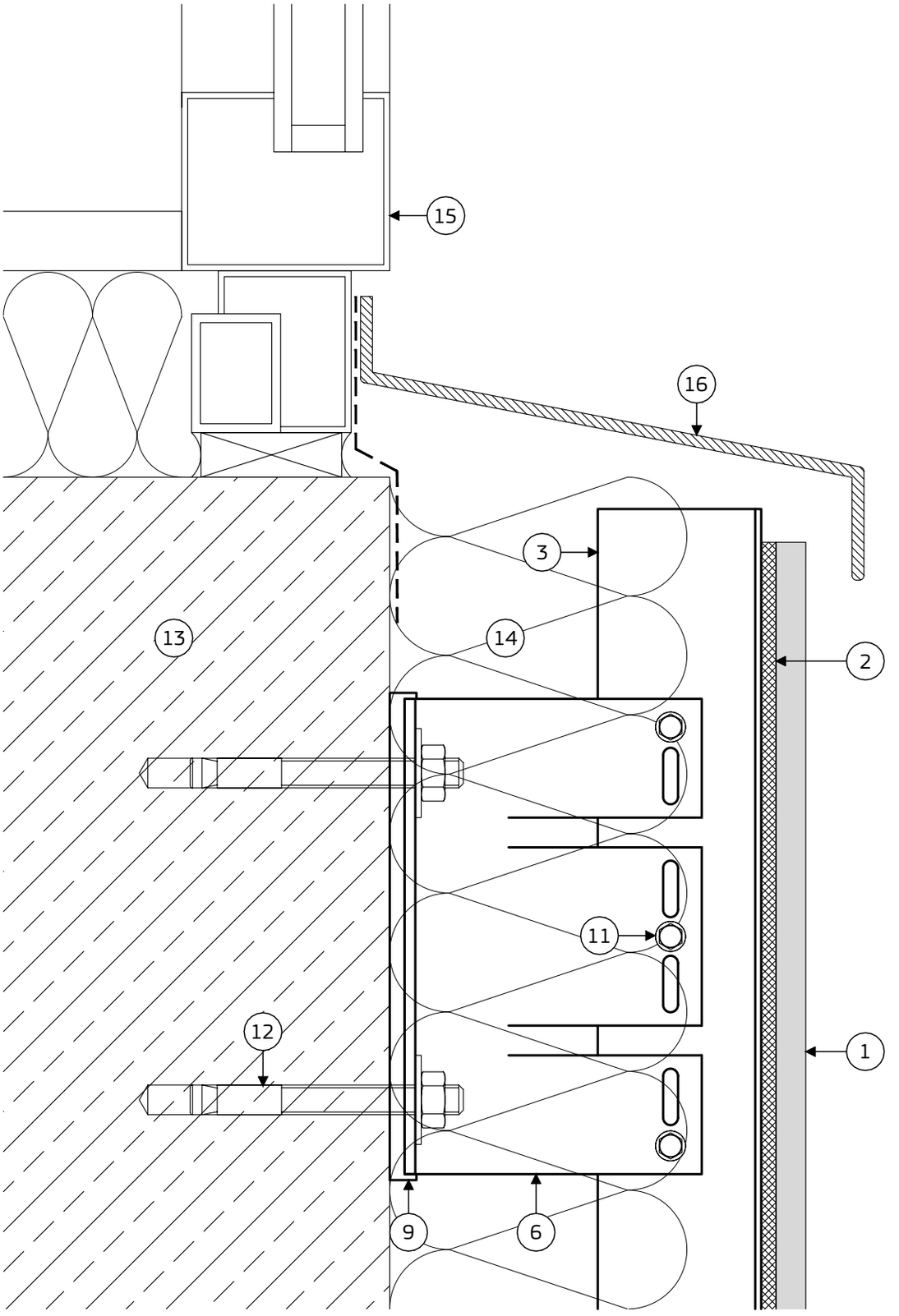
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

QV3

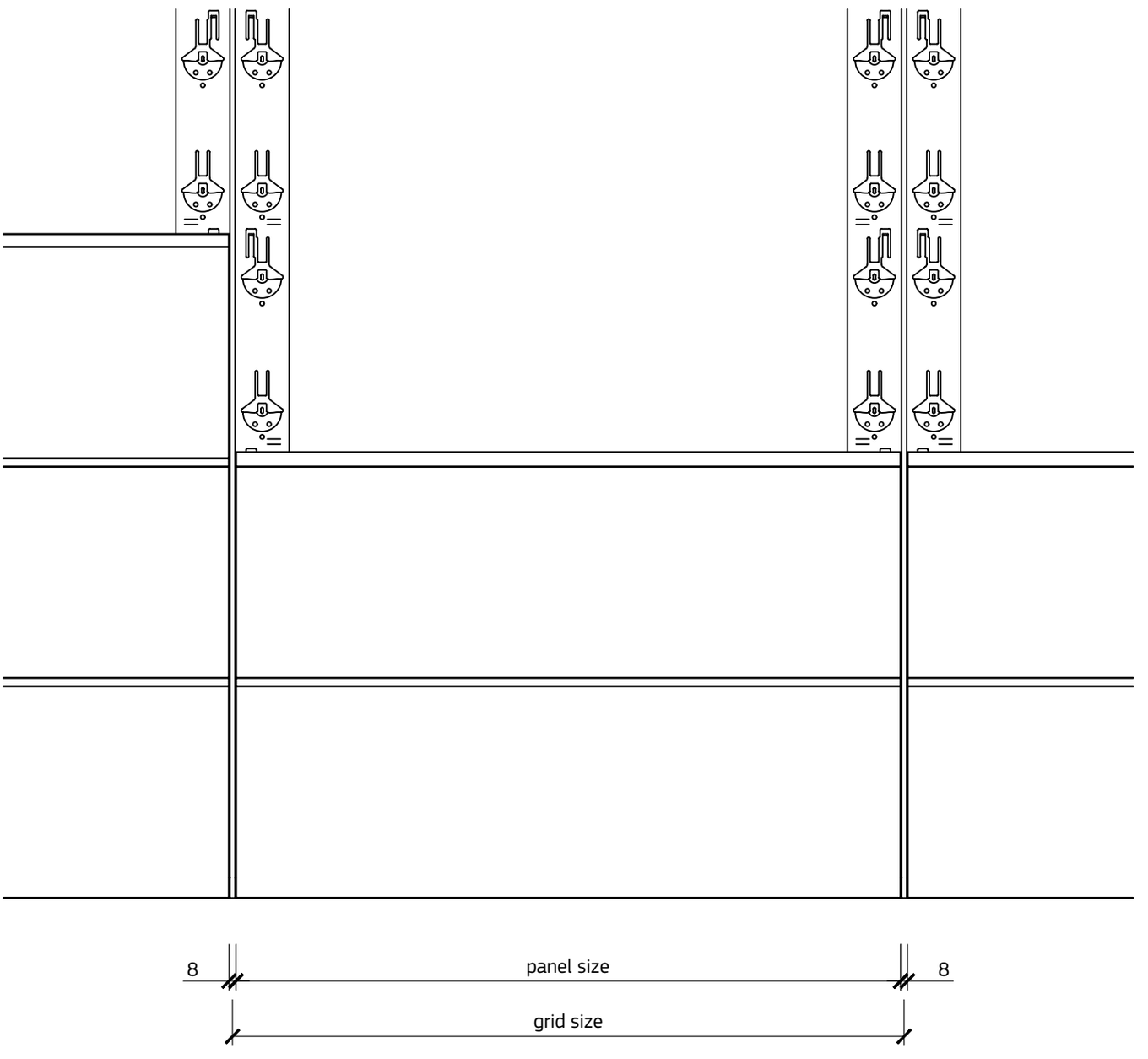
CERAMIC PANELS K20 T-RAIL RAINSCREEN SYSTEM

LEGEND

1. CERAMIC PANEL AGROB BUCHTAL KeraTwin K20
2. F-695QH T-RAIL WITH H-SLOT, BRIGHT
   art.No 03.695H.xx.XXX
3. F-695Q T-RAIL, PAINTED
   art.No 03.695.xx.XXXP
4. F-695Q T-RAIL, BRIGHT
   art.No 03.695.xx.XXX
5. F-690Q T-RAIL, PAINTED
   art.No 03.690.xx.XXXP
6. F-698Q T-RAIL, PAINTED
   art.No 03.698.xx.XXXP
7. F-625QH SYSTEM RAIL WITH H-SLOT, BRIGHT
   art.No 03.625H.xx.XXX
8. F-620Q SYSTEM RAIL, PAINTED
   art.No 03.620.xx.XXXP
9. PROFILE T110x60x2
   art.No 01.2.110602.xxx
10. F-640Q JOINT RAIL
    art.No 03.640.xx.XXX
11. F-645 JOINT SPACER
12. F-647 PLUG-IN JOINT
13. F-650Q SQUARE RAIL, EXTERNAL ANGLE
    art.No 03.650.xx.XXXP
14. F-652Q SWORD RAIL, EXTERNAL ANGLE
    art.No 03.652.xx.XXXP
15. F-654Q NEGATIVE RAIL, EXTERNAL ANGLE
    art.No 03.654.xx.XXXP
16. F-630Q L-RAIL, EXTERNAL ANGLE
    art.No 03.630.xx.XXX
17. SQUARE TUBE 60x60x2
18. SUPPORTING PROFILE (PROJECT SPECIFIC)
19. WALL BRACKET QVB 125/160, FIXED POINT
    art.No 02.125.160.10
20. WALL BRACKET QVB 125/70, SLIDING POINT
    art.No 02.125.70.10
21. WALL BRACKET QVB 100/70, SLIDING POINT
    art.No 02.100.70.10
22. THERMO-PAD 160x59
    art.No 05.59.160
23. THERMO-PAD 70x59
    art.No 05.59.70
24. SELF-DRILLING SCREW Ø4.8x16 mm, A2
25. SELF-DRILLING SCREW Ø4.8x16 mm, Pan head, A2
26. SELF-DRILLING SCREW Ø6.3x25 mm, A2
27. FASTENER
28. PROFILE T130x55x2
    art.No 01.2.130552.xxx
29. F-684 SINGLE-CLAMP K20 W/ RIVETS
30. CONCRETE / MASONRY WALL
31. INSULATION
32. WINDOW SYSTEM
33. METAL TRIM / FLASHING / COPING
34. PERFORATED METAL TRIM

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

GENERAL INSTALLATION DIAGRAM

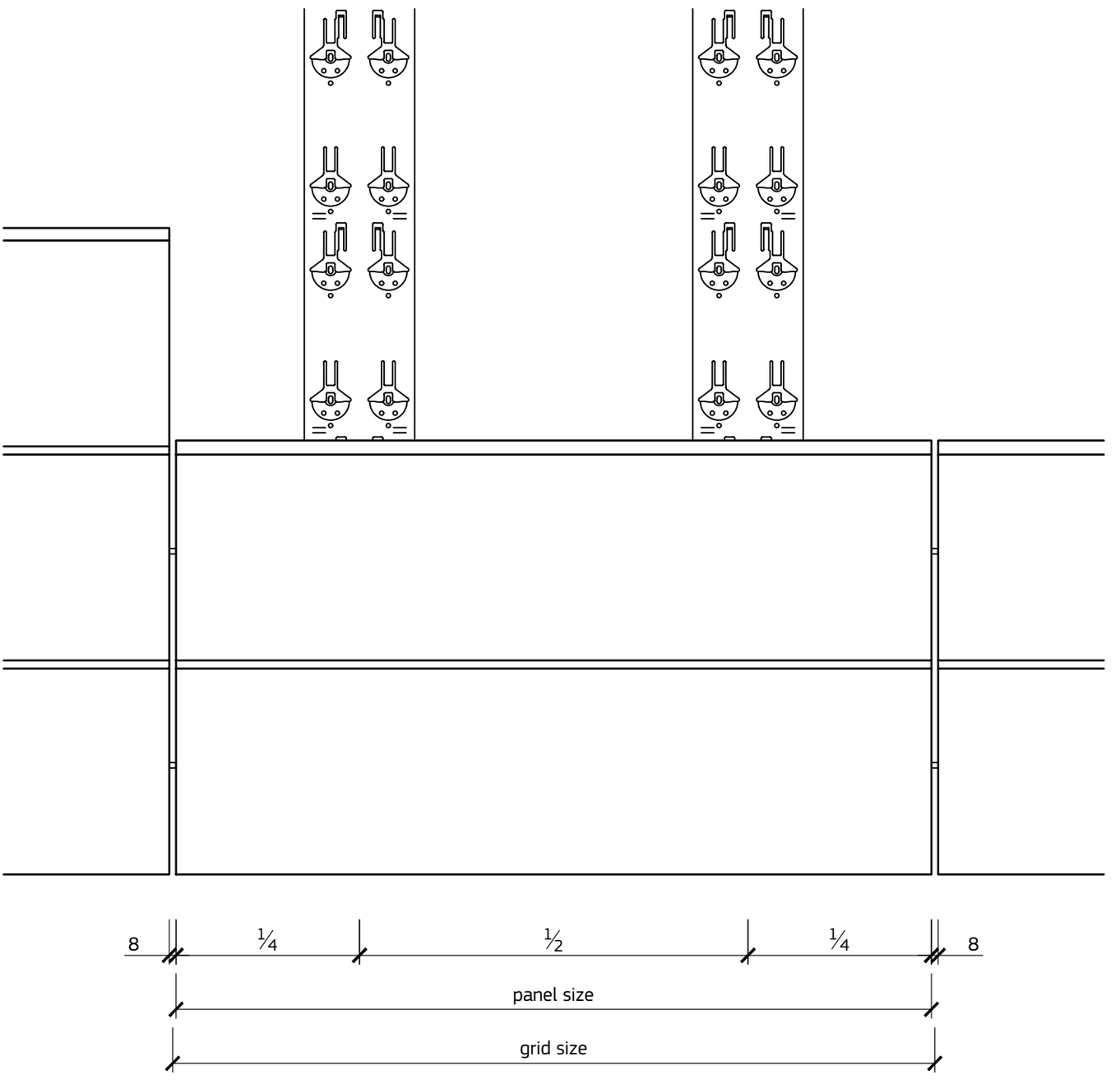


SINGLE-SPAN WITHOUT CANTILEVER

Refer to general approval Z-33.1-1175 for complete technical data.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

GENERAL INSTALLATION DIAGRAM



SINGLE-SPAN WITH CANTILEVER

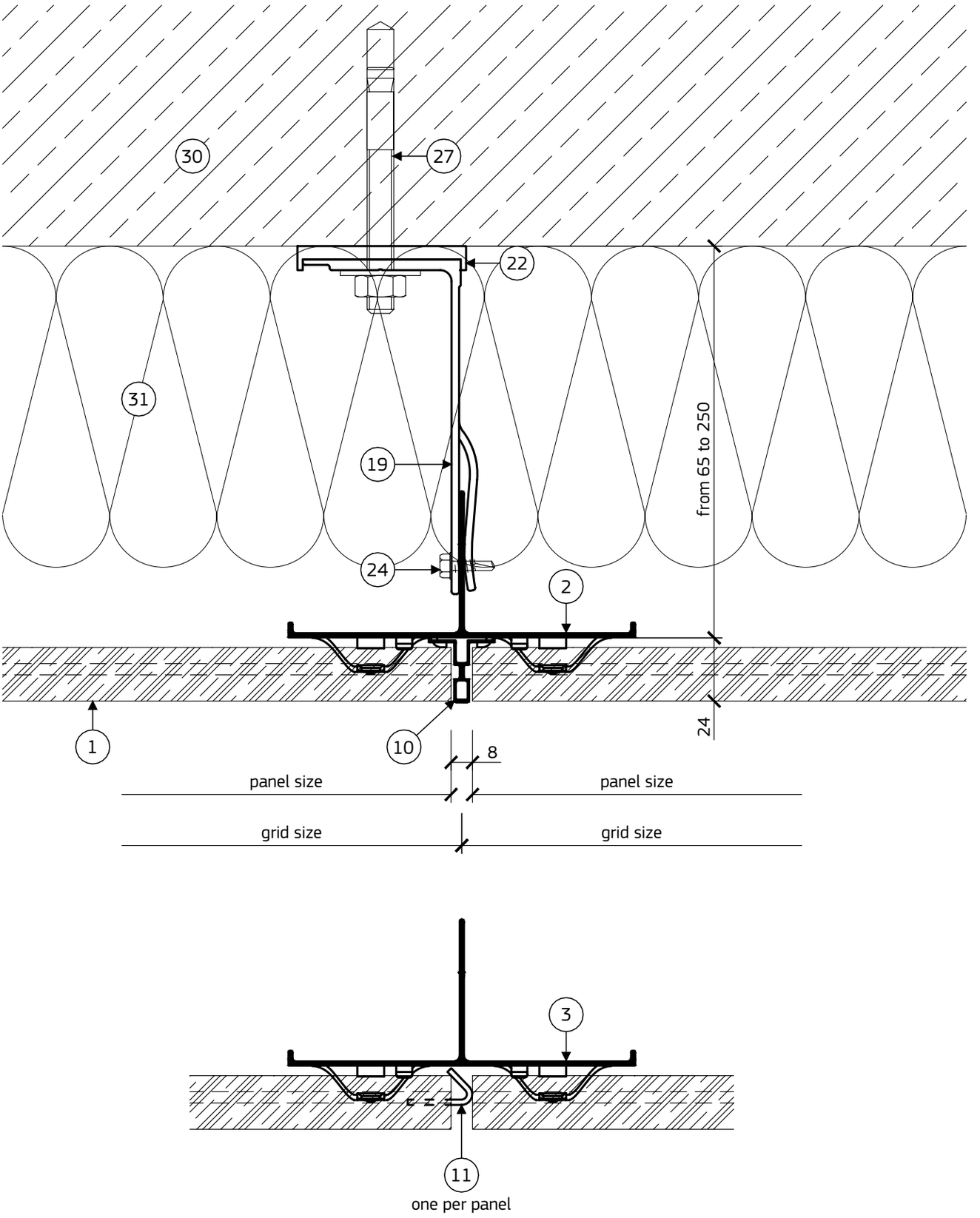
Refer to general approval Z-33.1-1175 for complete technical data.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

QV3 CERAMIC PANELS K20 T-RAIL RAINSCREEN SYSTEM

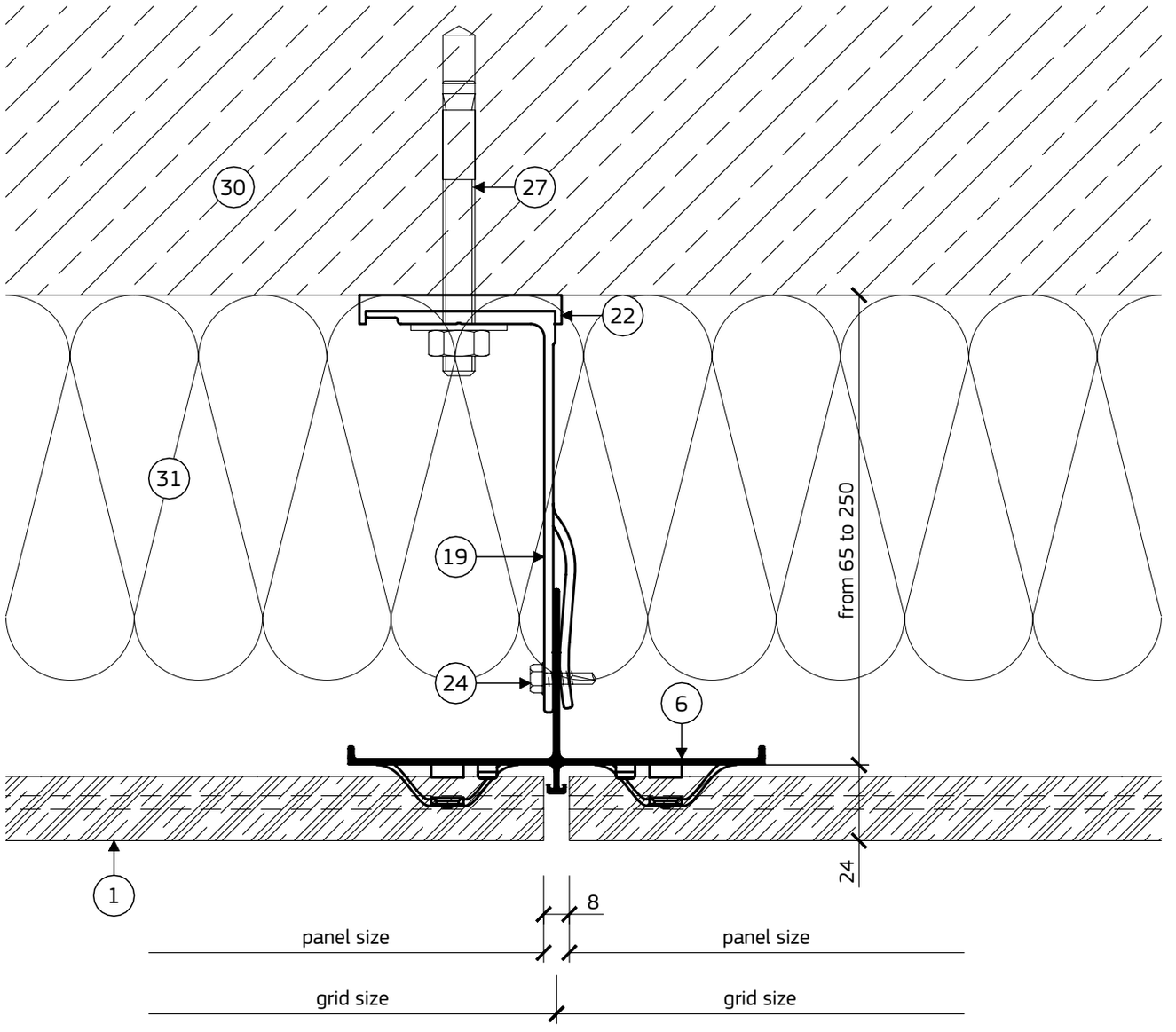
1.1 PLAN DETAIL



10/2018

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.2 PLAN DETAIL



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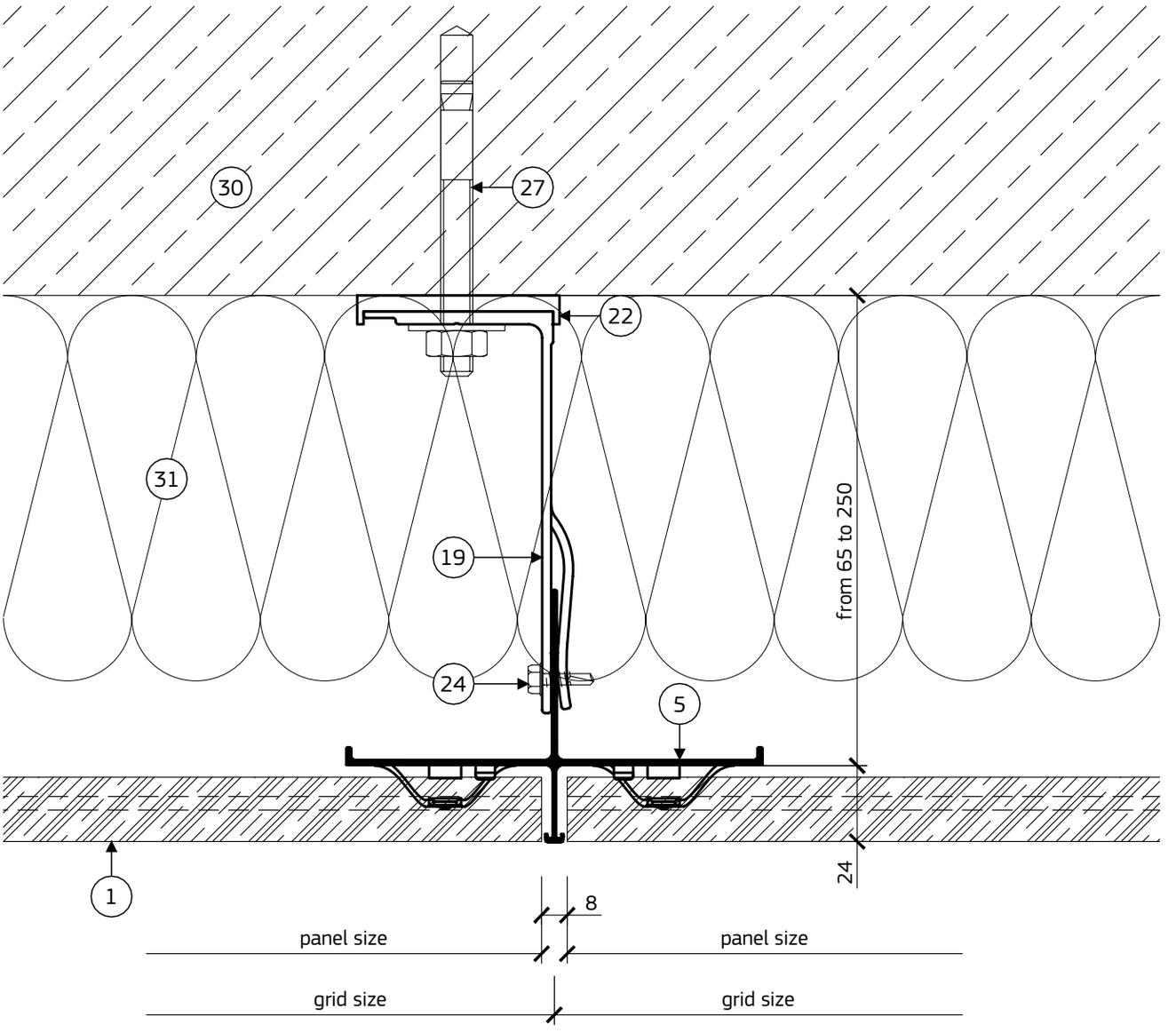
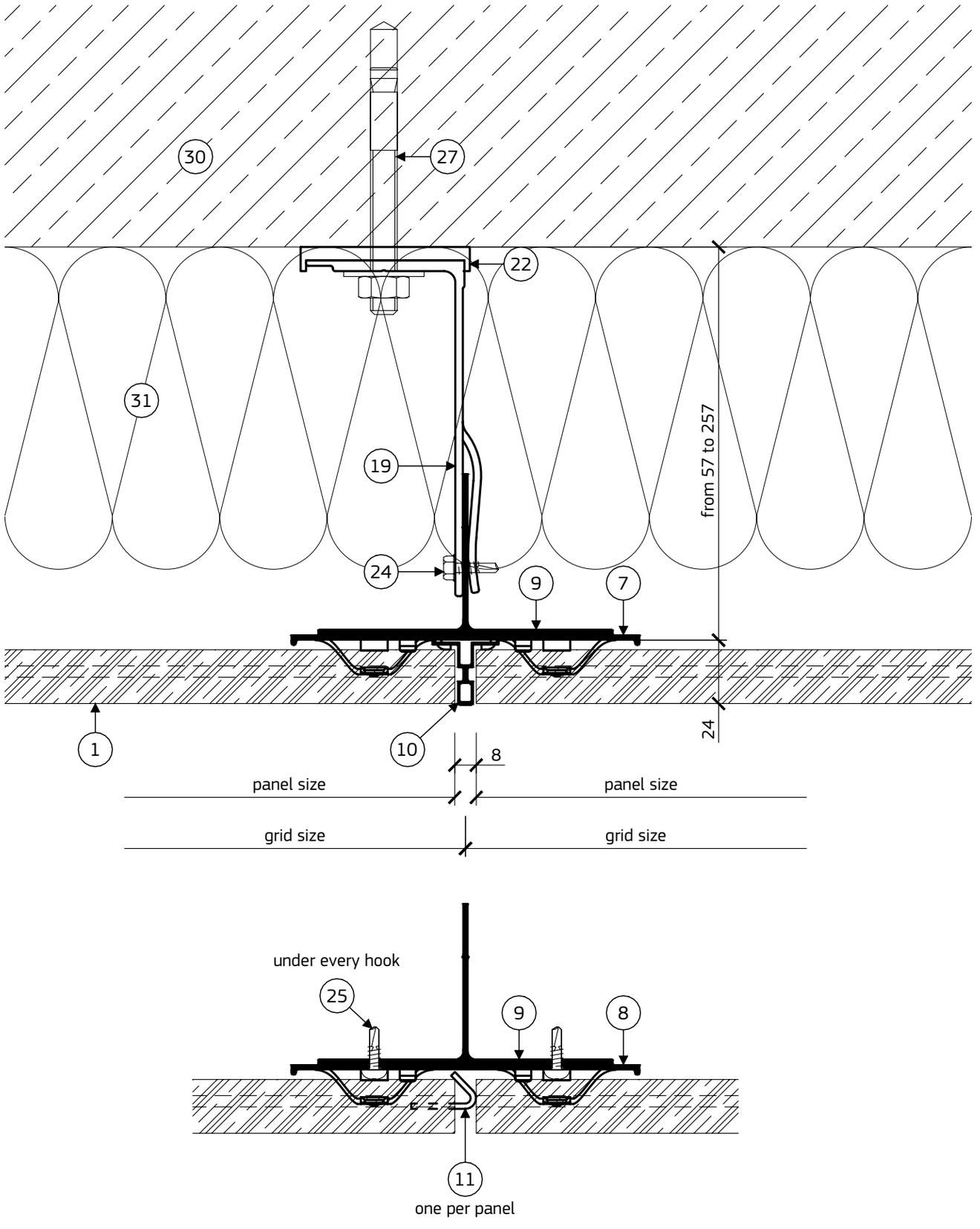
1.3 PLAN DETAIL



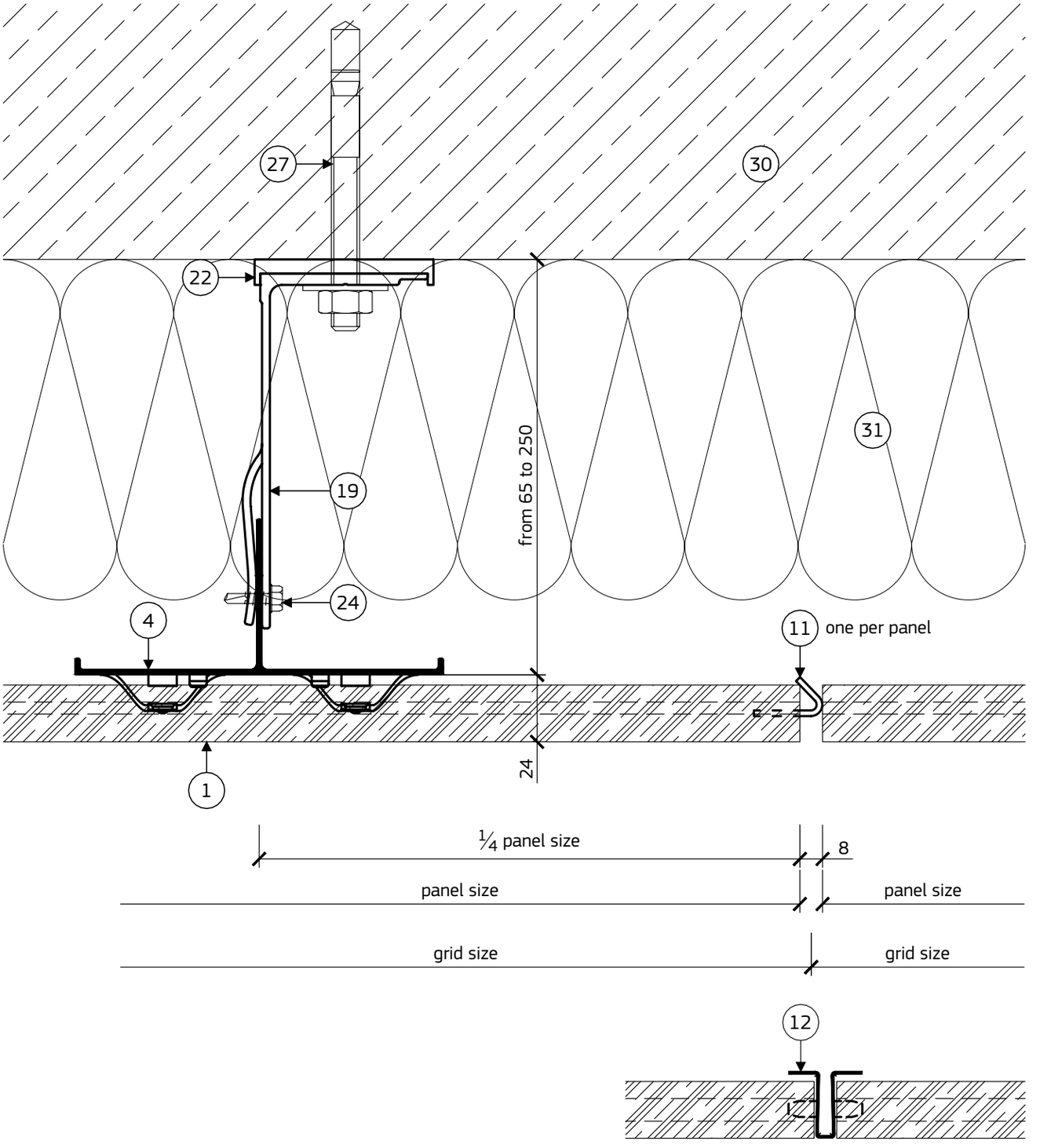
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.4 PLAN DETAIL



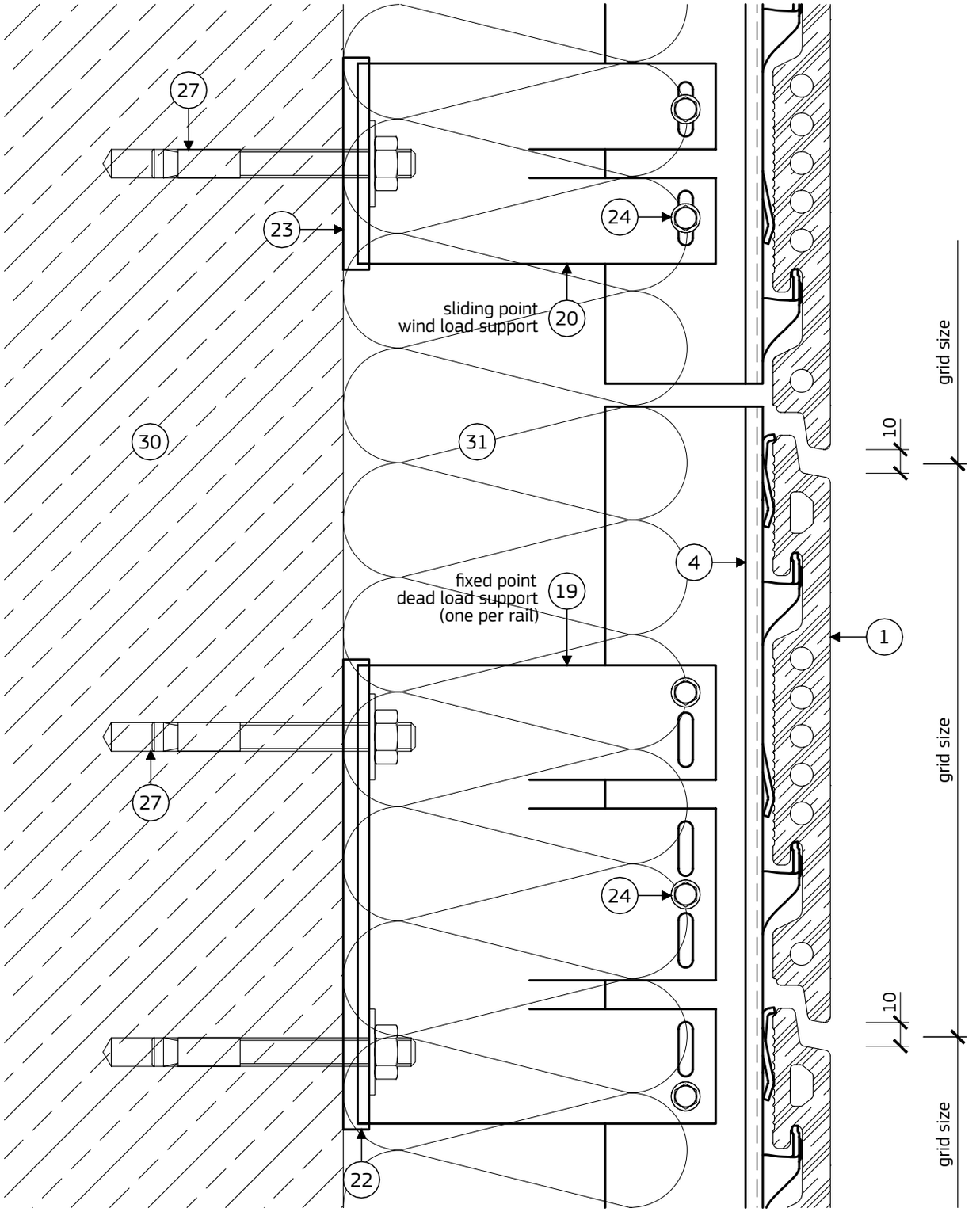
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.5 PLAN DETAIL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

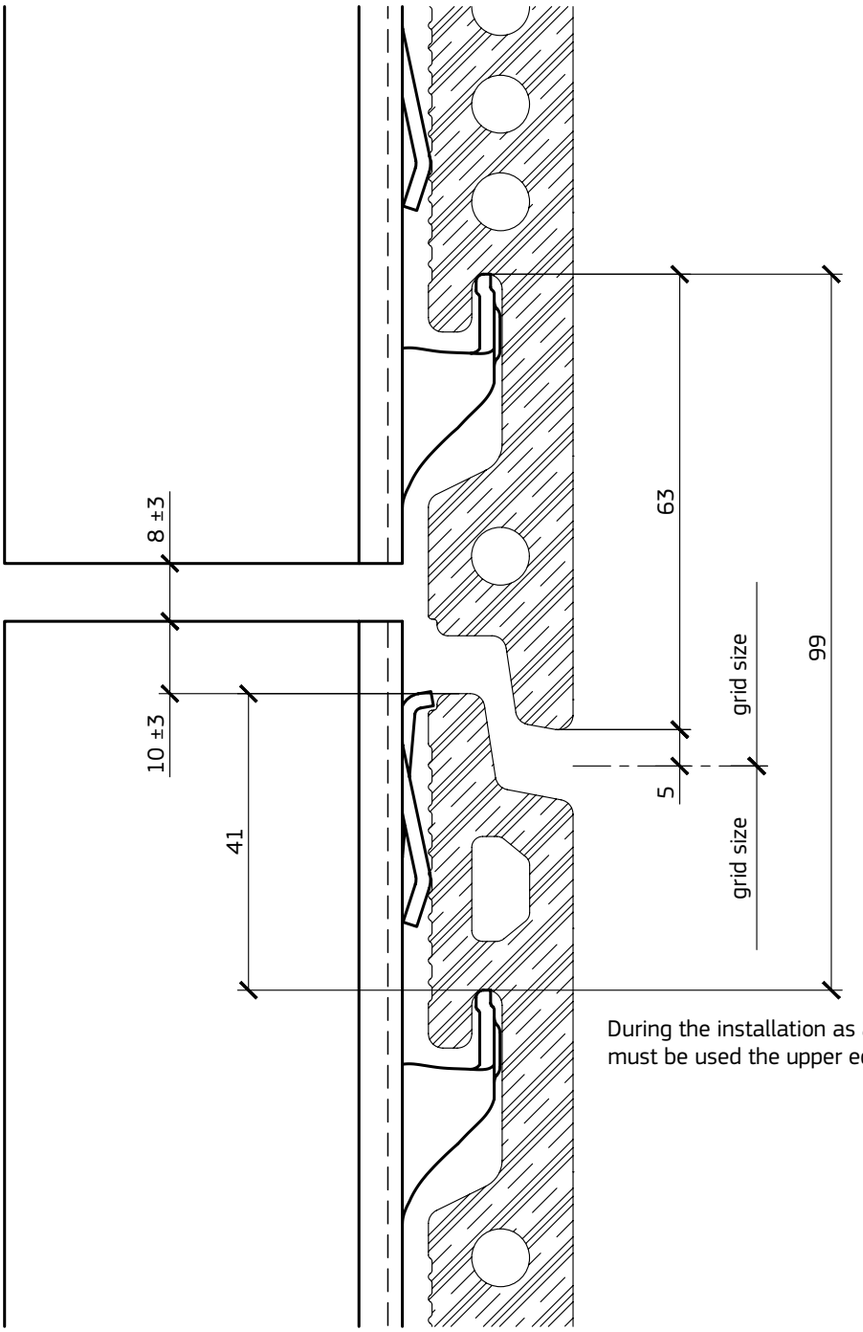
2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

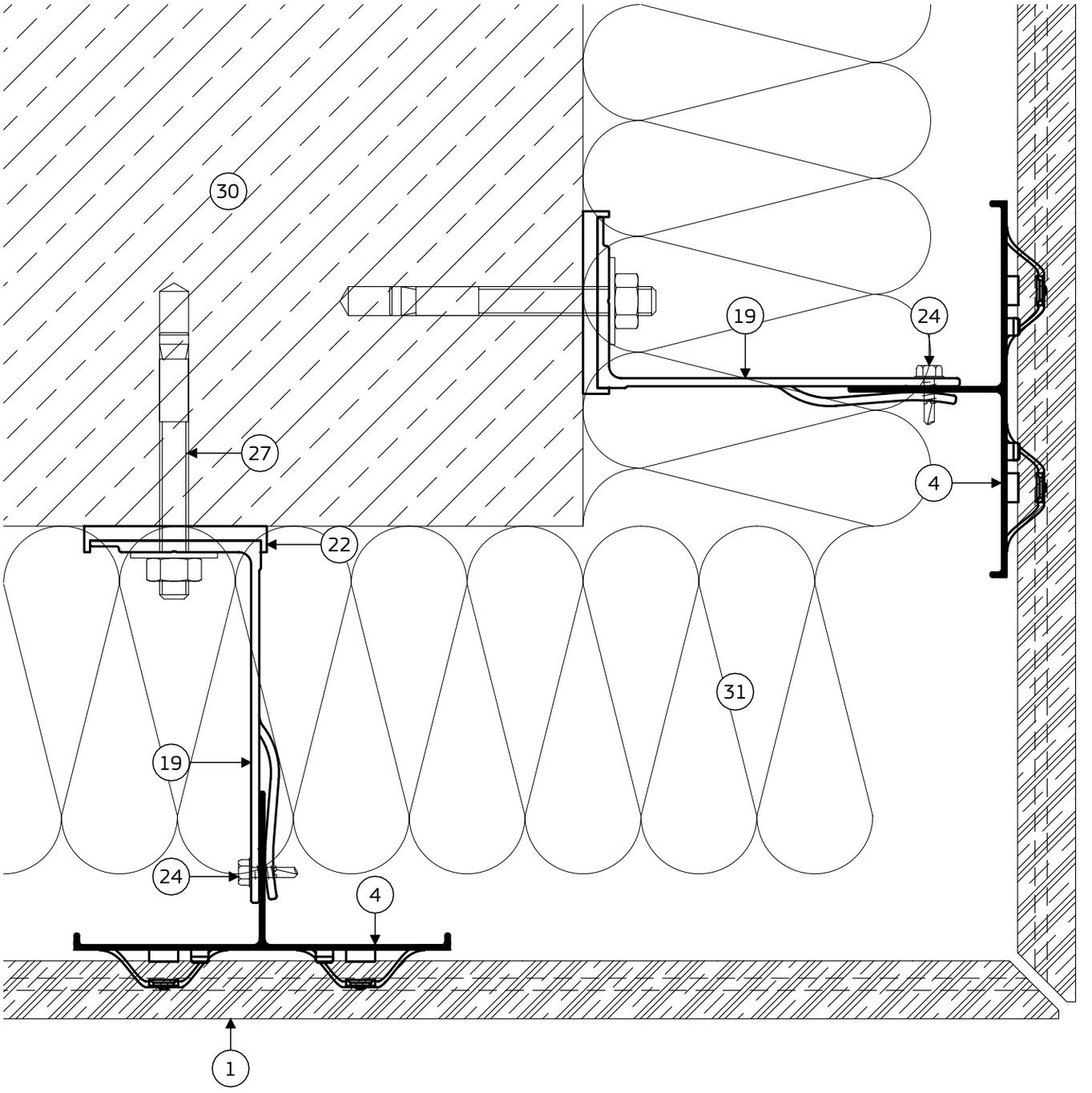
2.2 SECTION DETAIL - HORIZONTAL JOINT



During the installation as a reference point must be used the upper edge of the hooks.

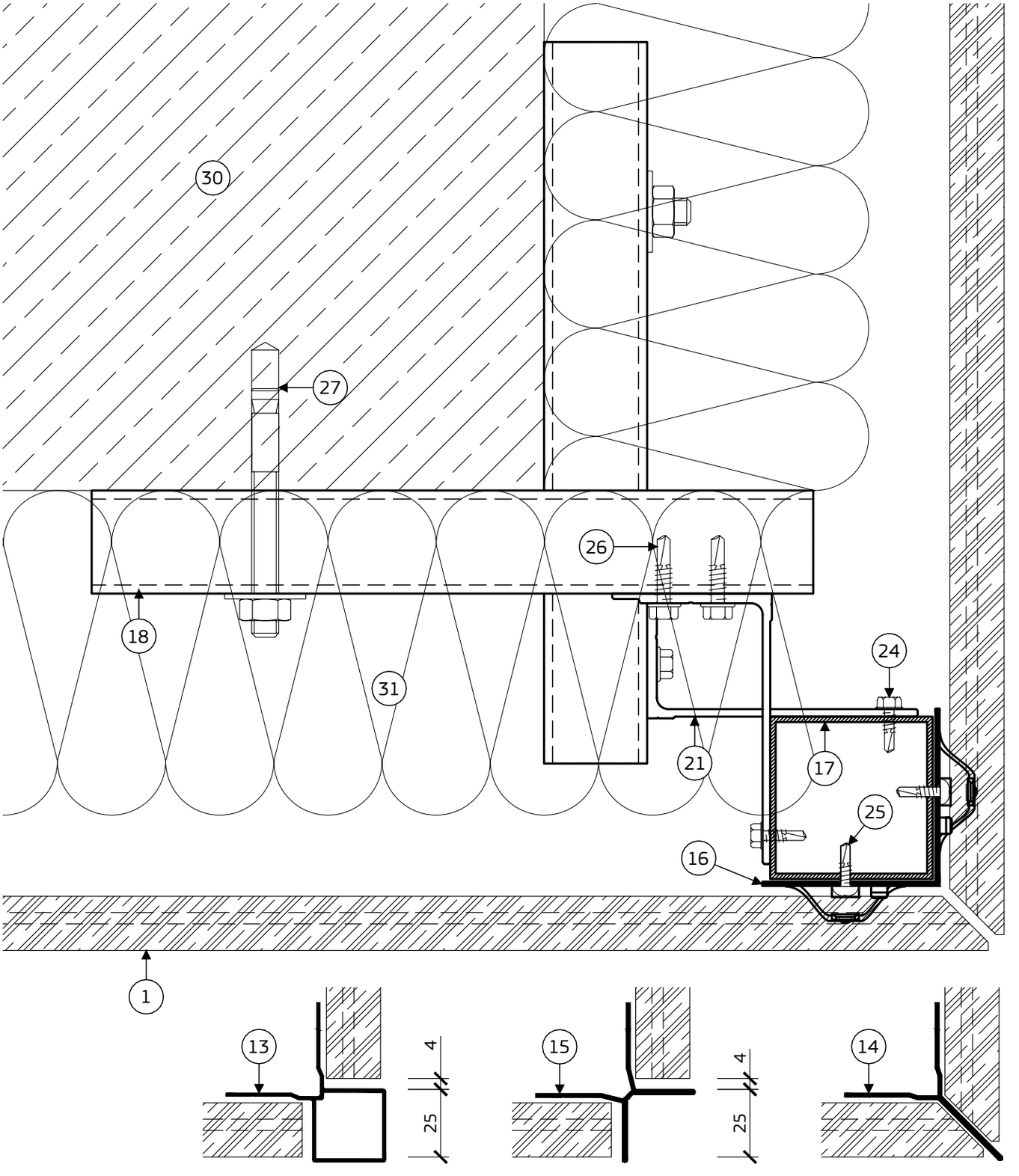
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.1 PLAN DETAIL - OUTSIDE CORNER



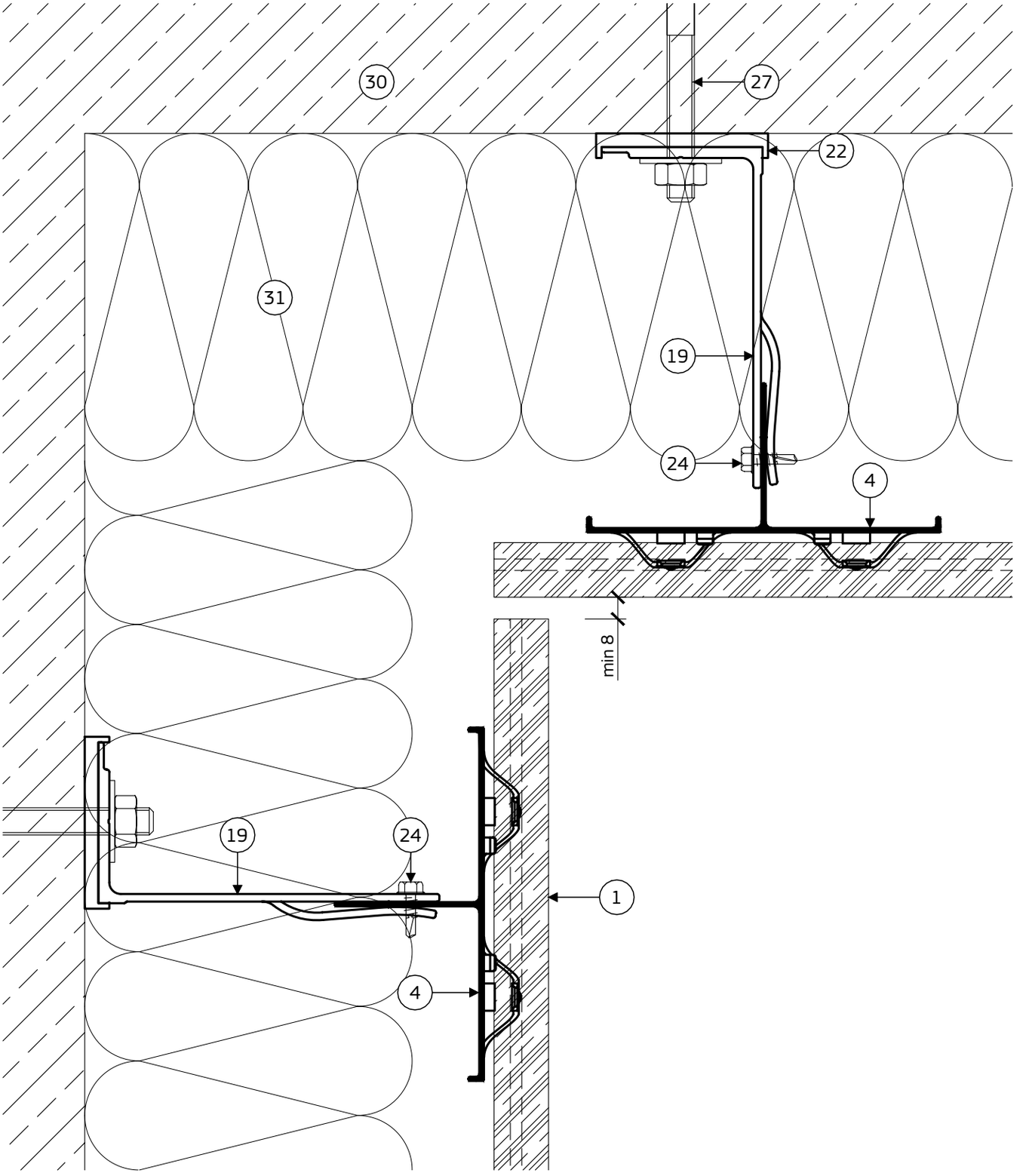
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.2 PLAN DETAIL - OUTSIDE CORNER



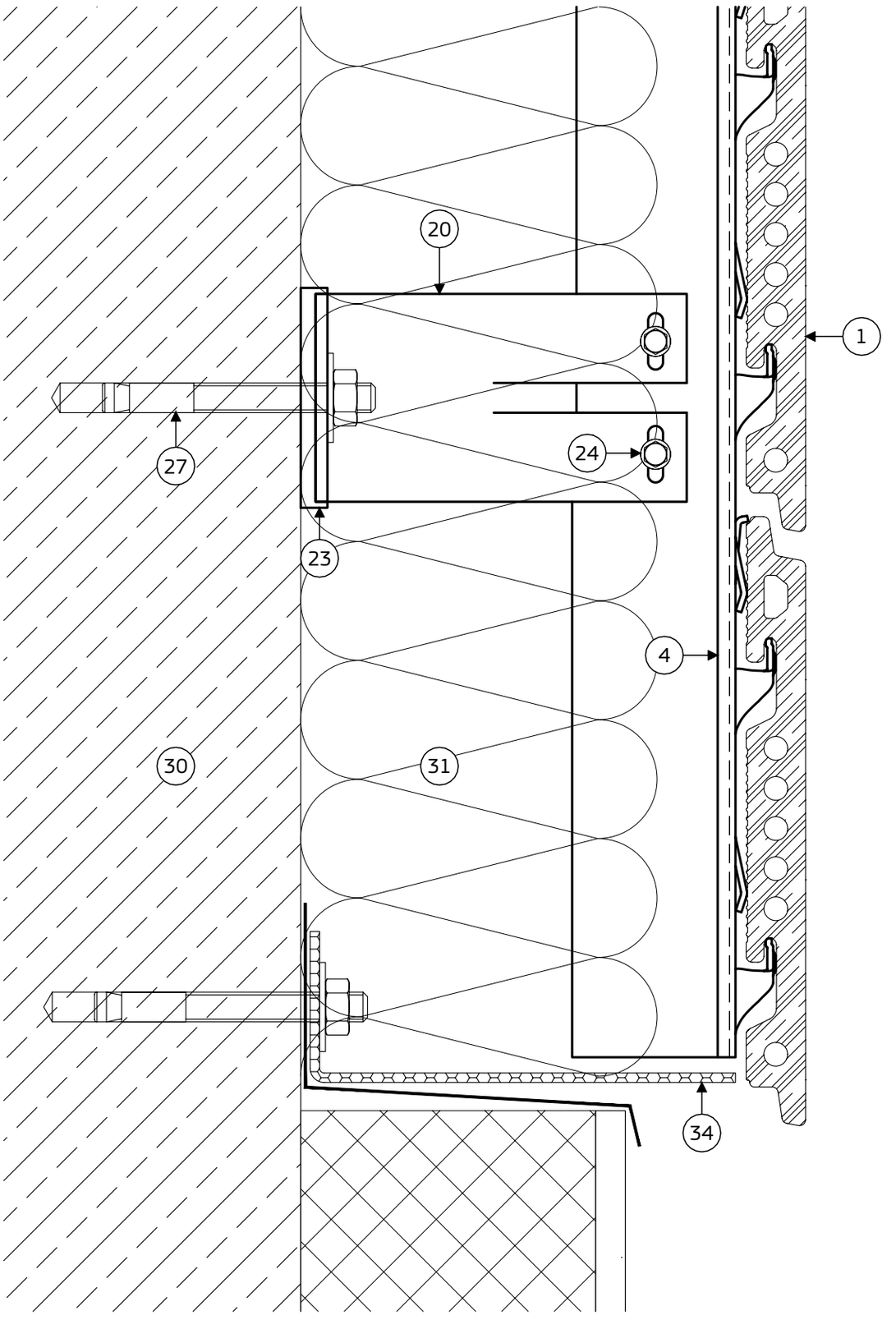
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



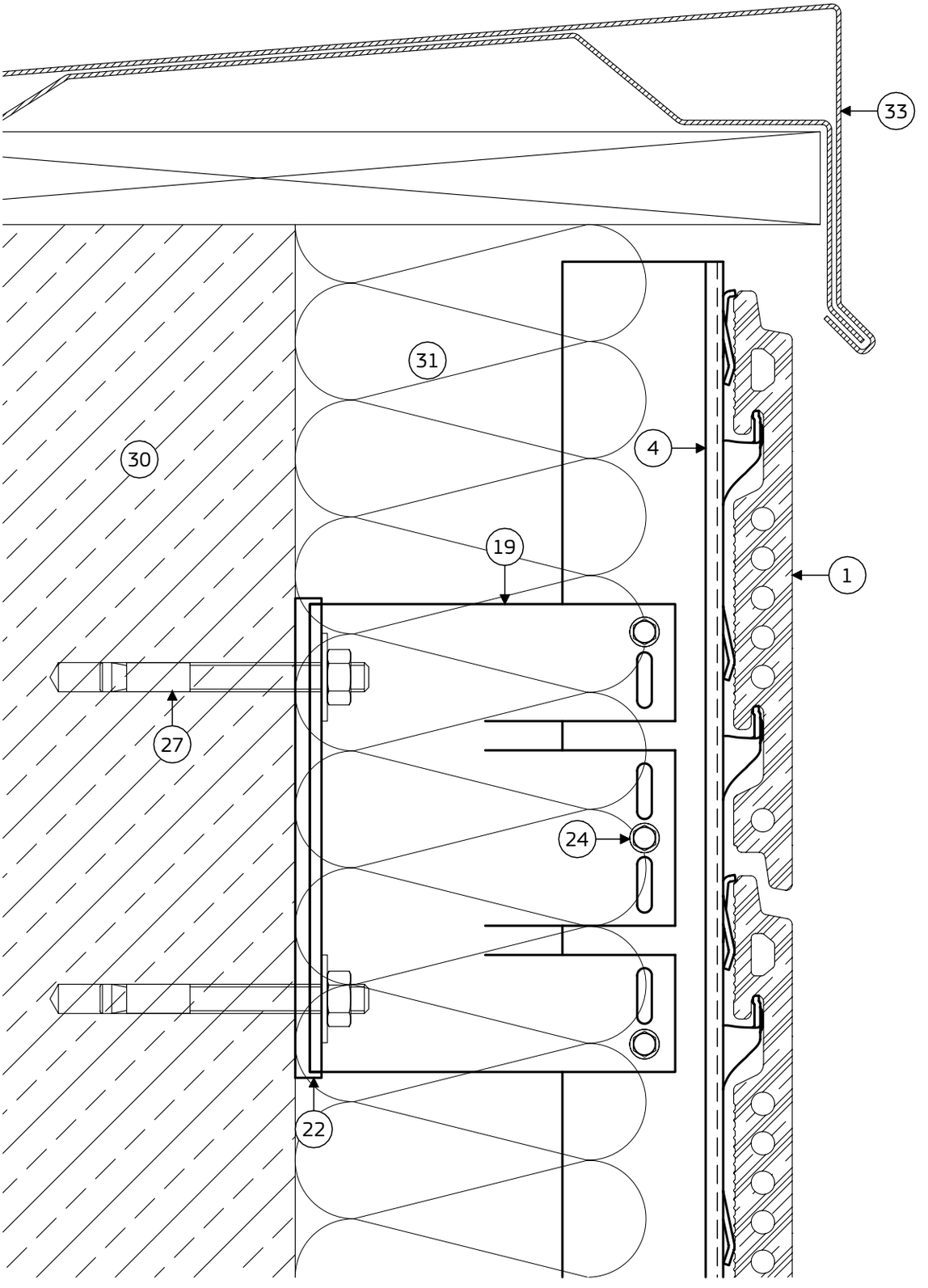
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



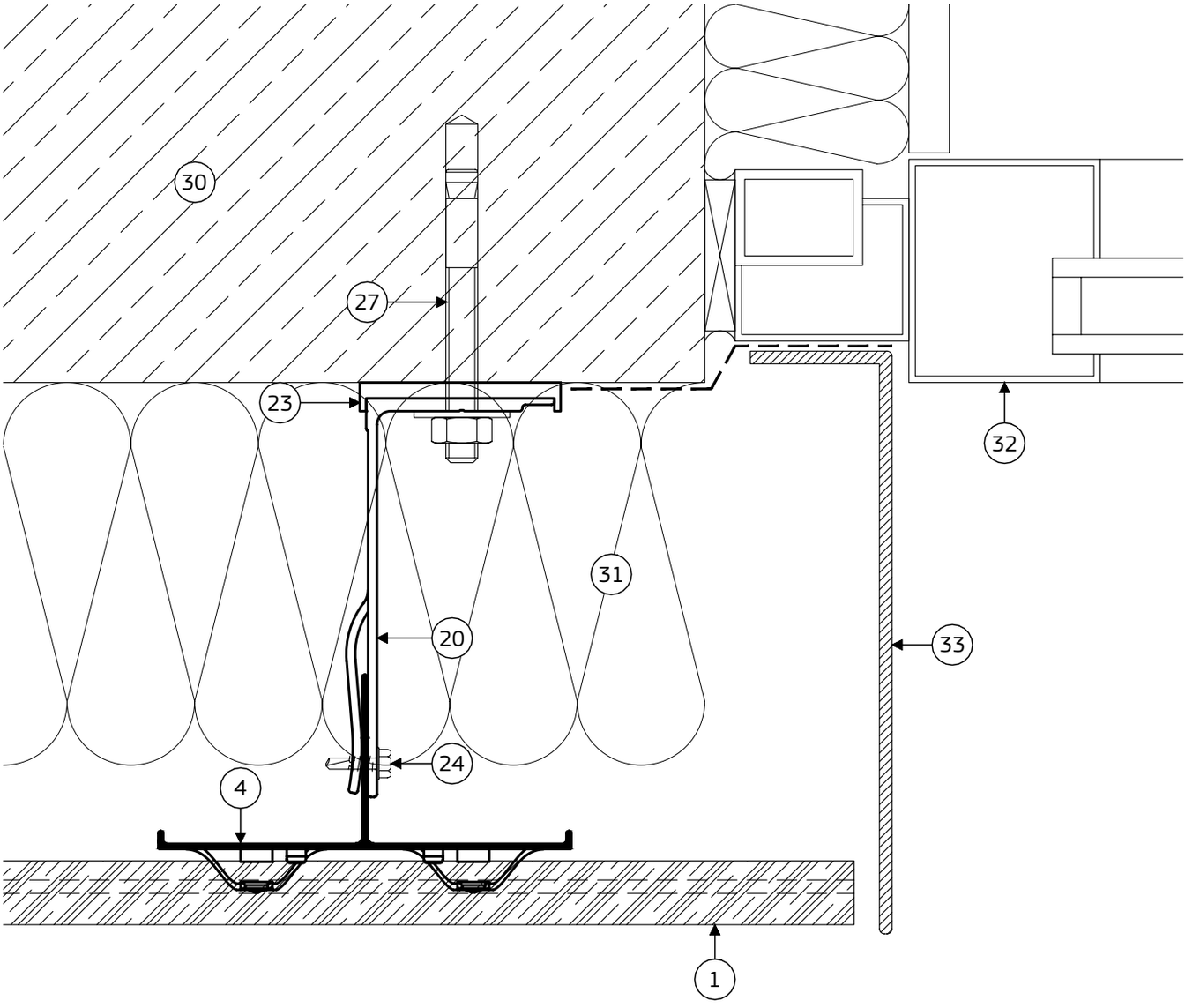
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



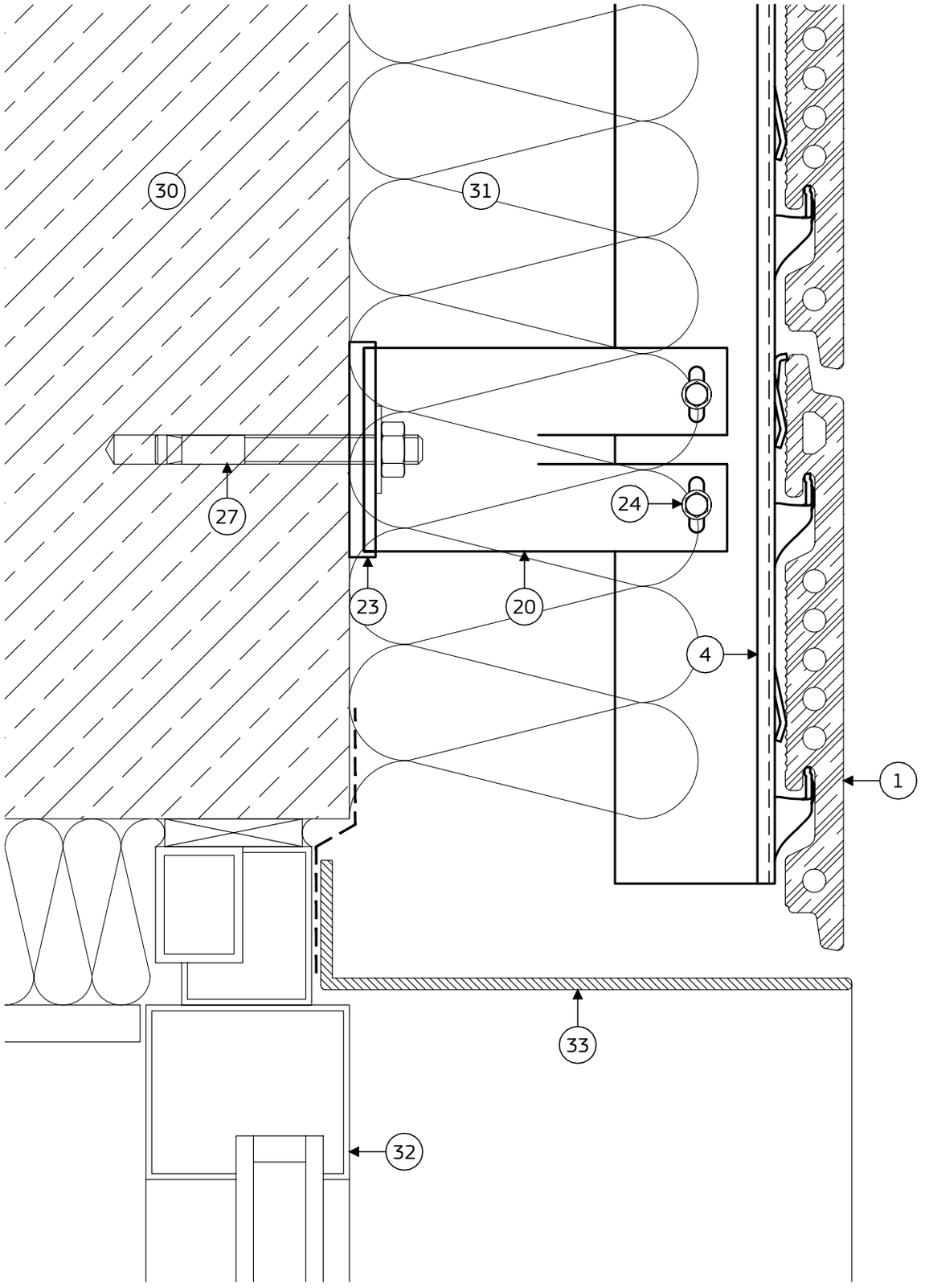
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



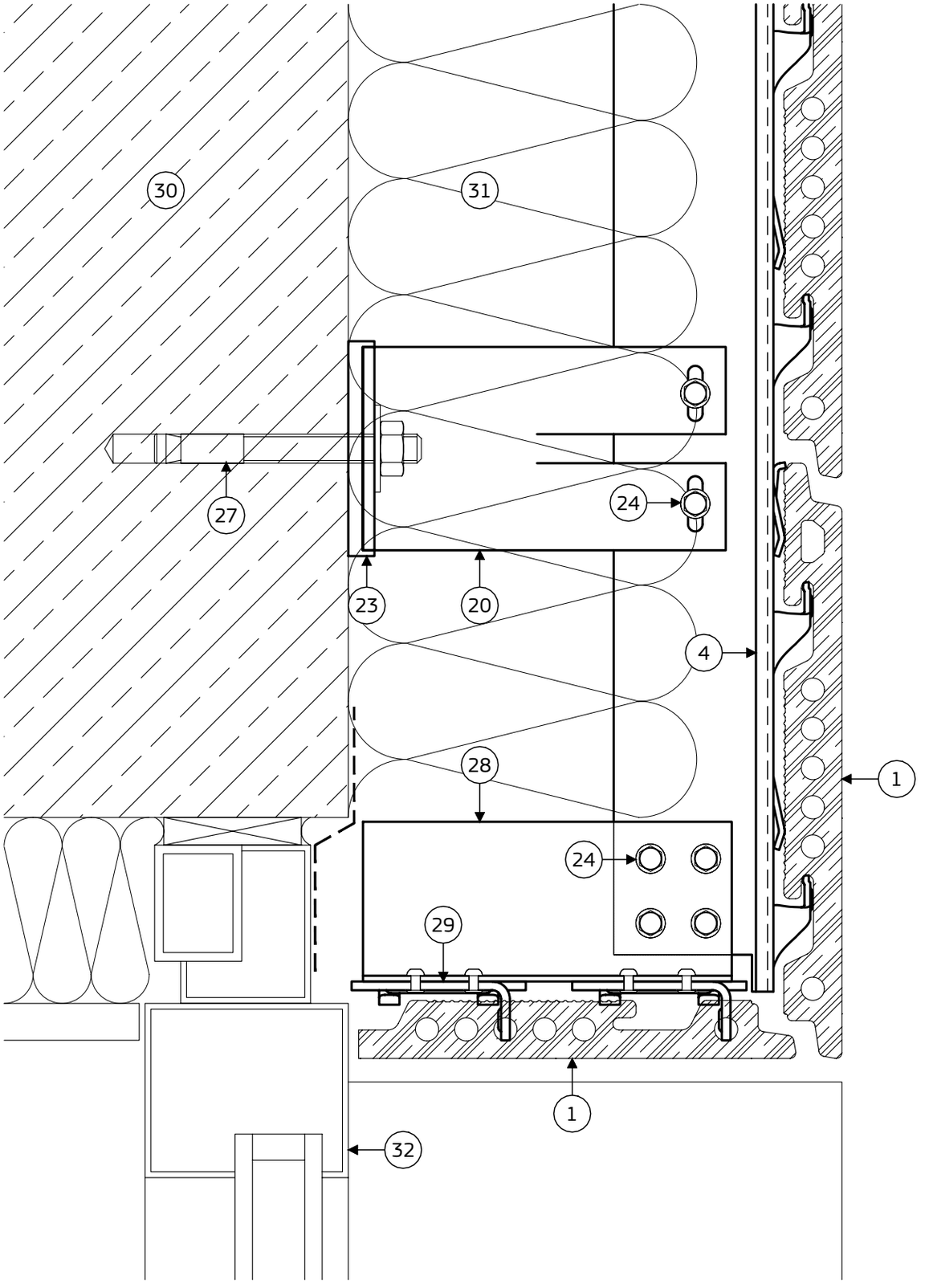
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



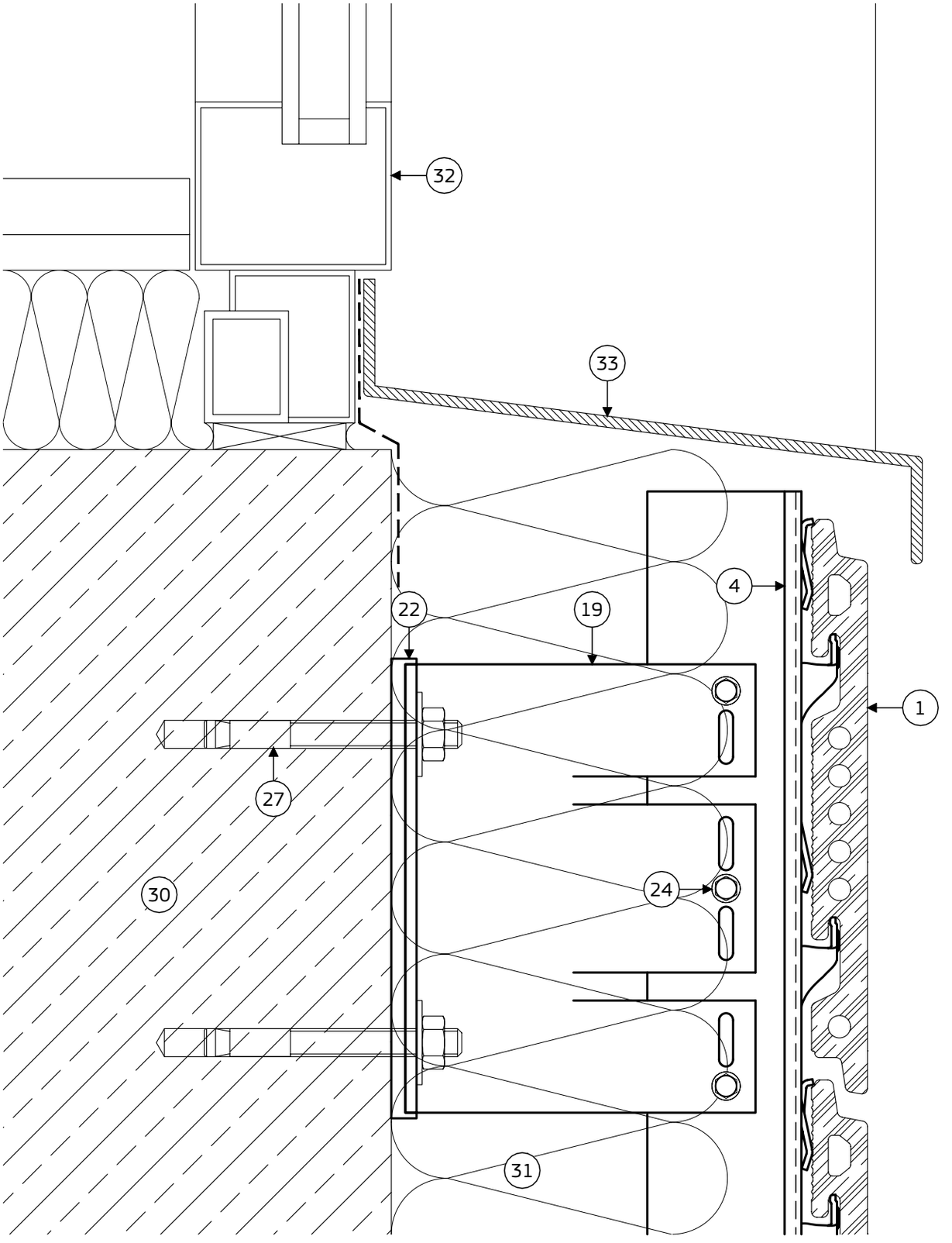
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



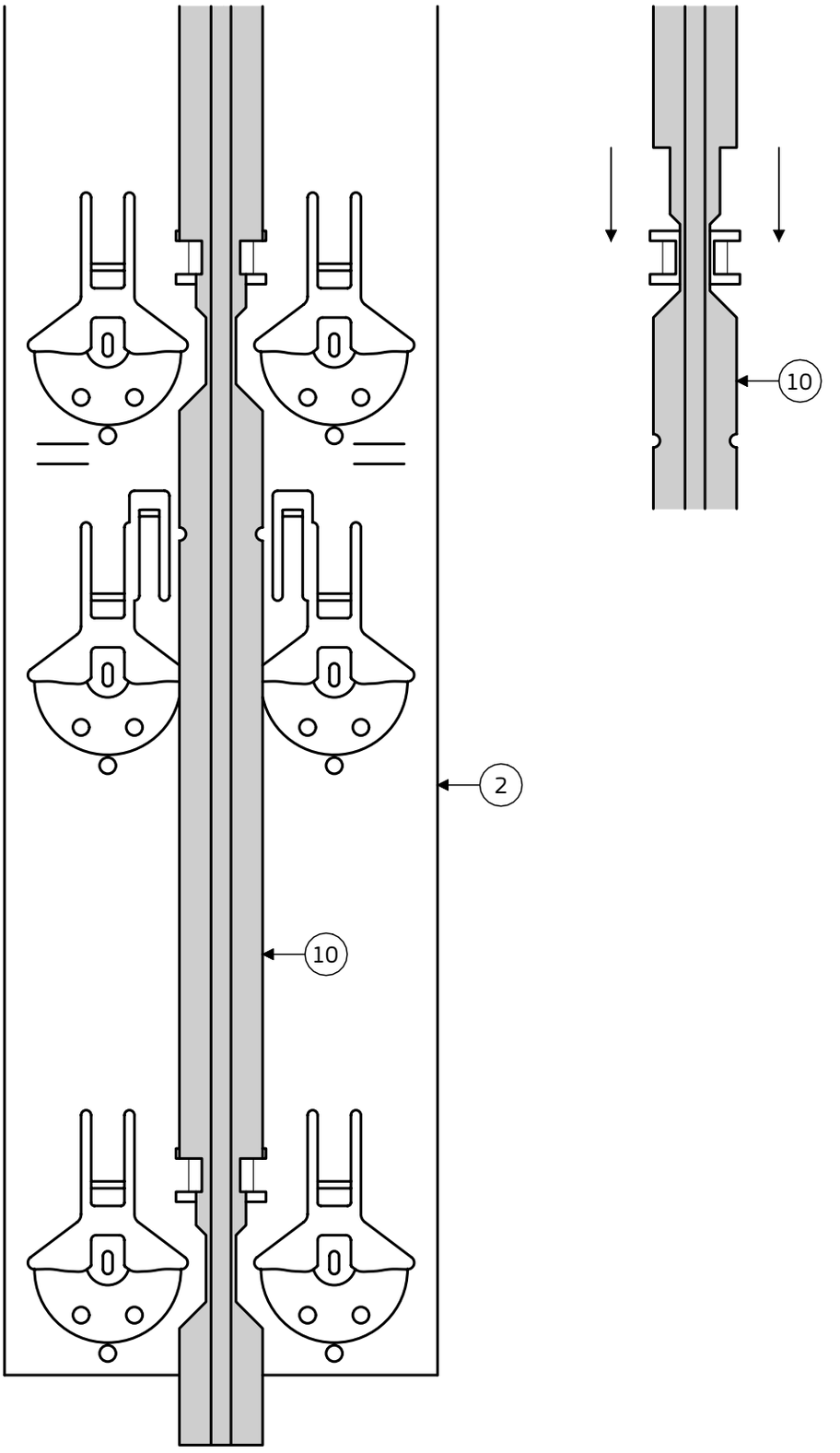
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL



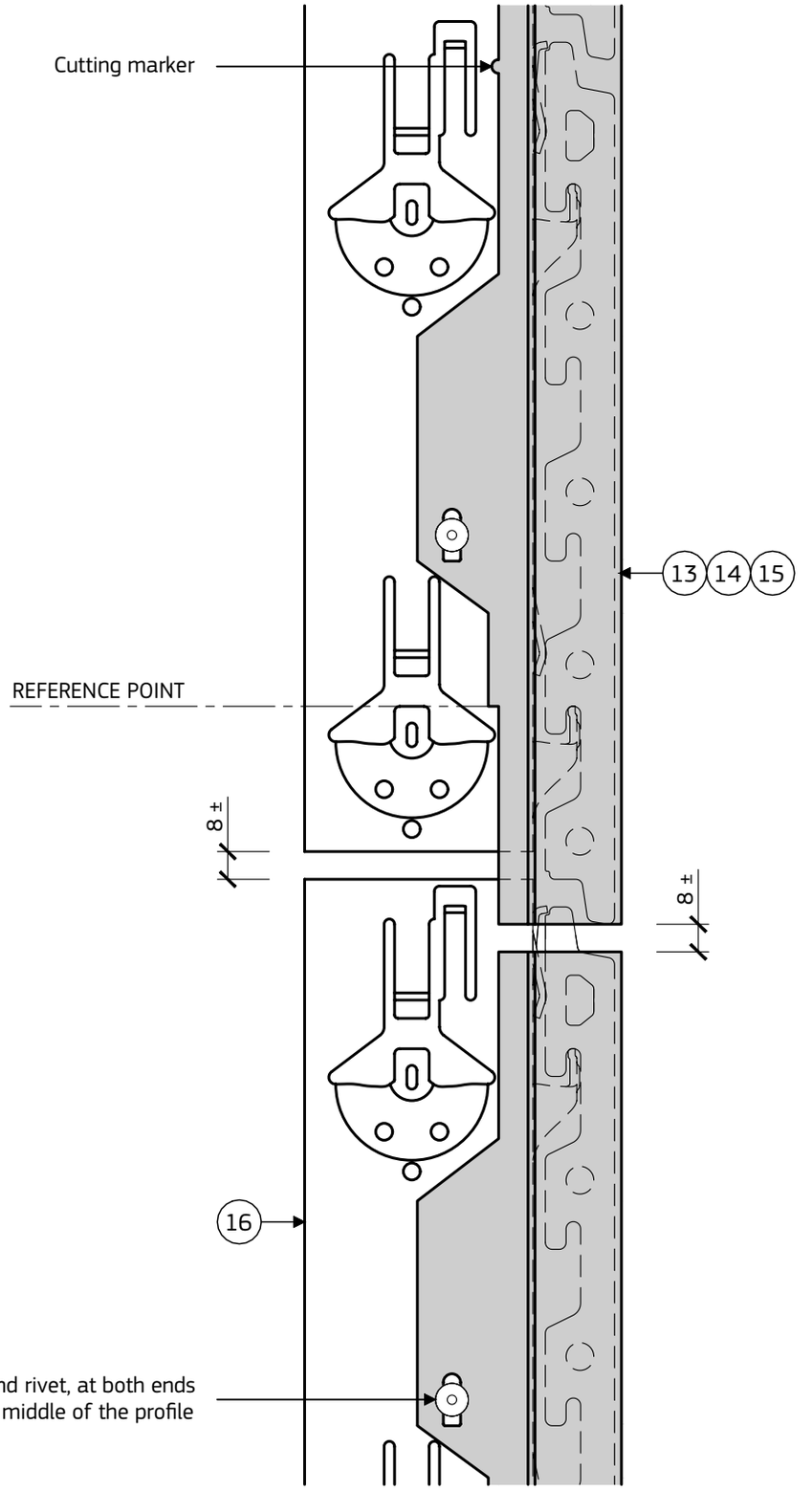
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

F-640Q JOINT RAIL INSTALLATION DIAGRAM



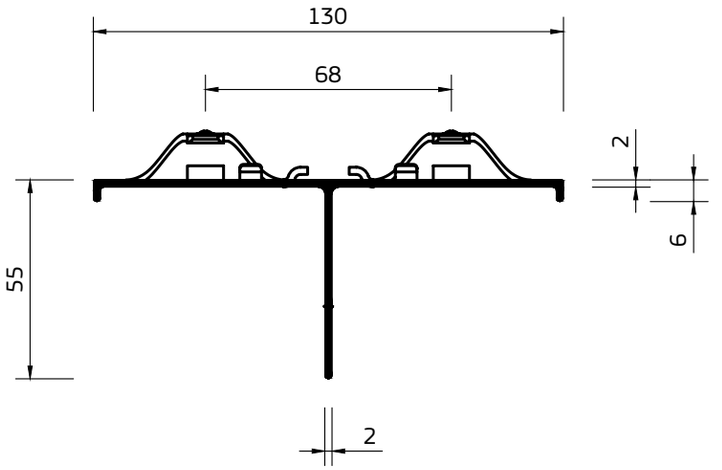
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

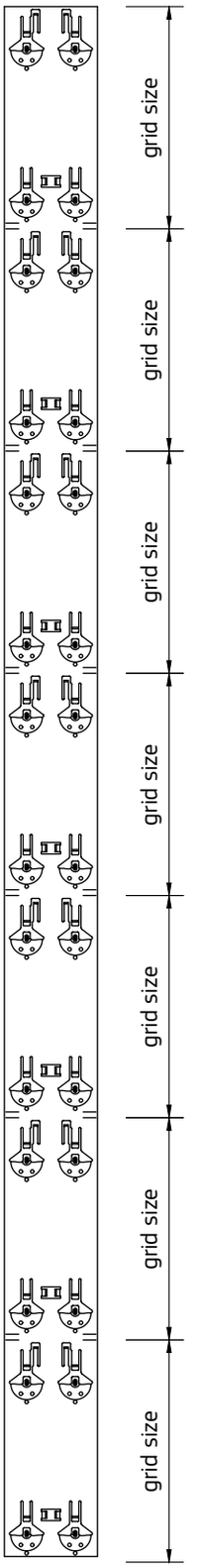
EXTERNAL ANGLES INSTALLATION DIAGRAM



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

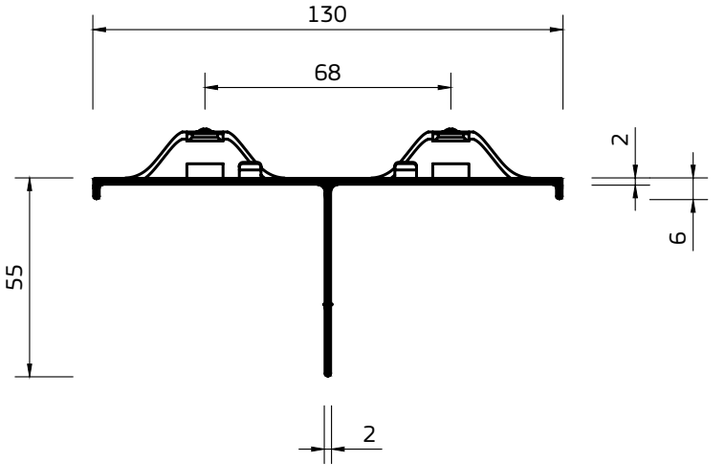
Refer to table T.3 for standard profile lengths.
Other lengths on request.

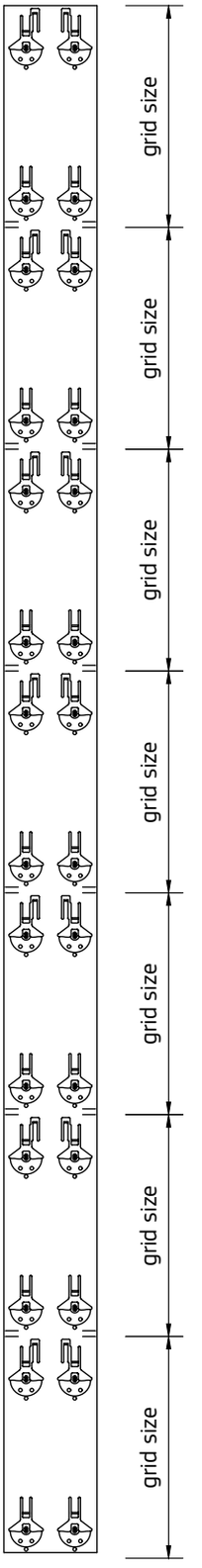
Material: AW 6063 T5

Article No	Description	Finish	Weight
03.695H.xx.XXX	F-695QH T-rail with H-slot	bright	1034 g/m

xx - grid size, XXX - rail length

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

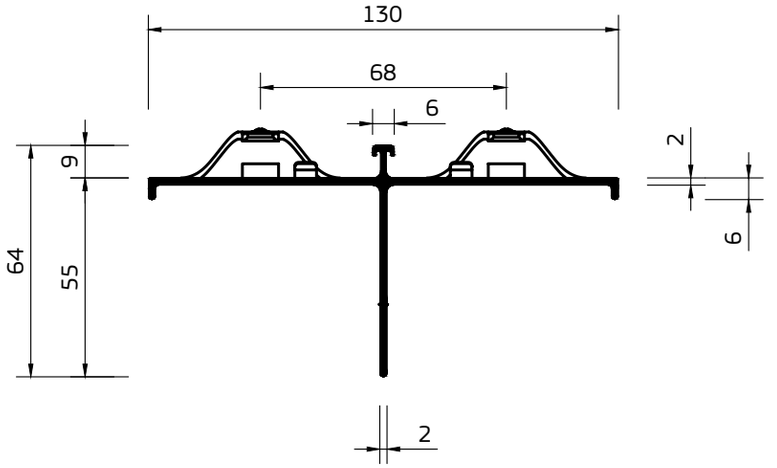
Material: AW 6063 T5

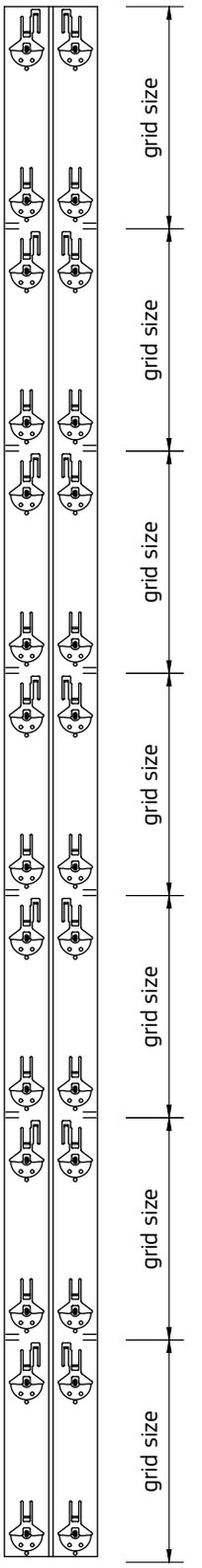
Article No	Description	Finish	Weight
03.695.xx.XXX	F-695Q T-rail	bright	1034 g/m
03.695.xx.XXXP	F-695Q T-rail	painted black	

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

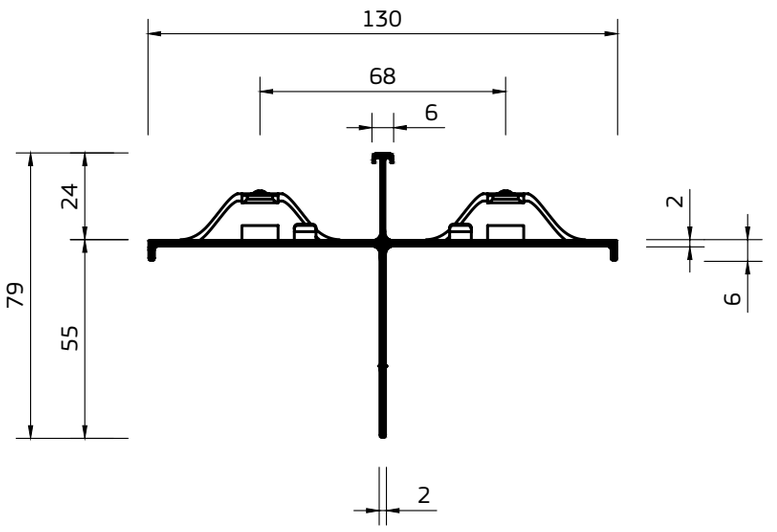
Material: AW 6063 T5

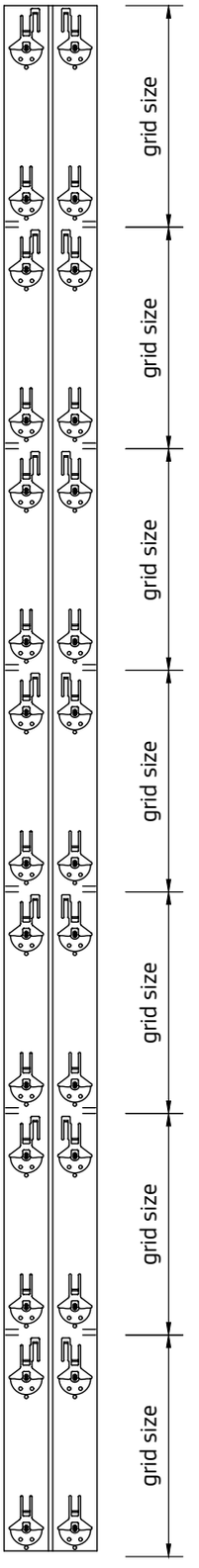
Article No	Description	Finish	Weight
03.698.xx.XXX	F-698Q T-rail	painted black	1103 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

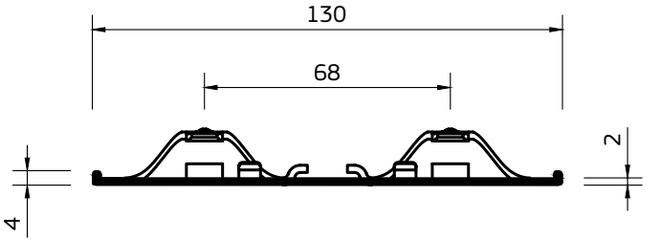
Material: AW 6063 T5

Article No	Description	Finish	Weight
03.690.xx.XXX	F-690Q T-rail	painted black	1168 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS



Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

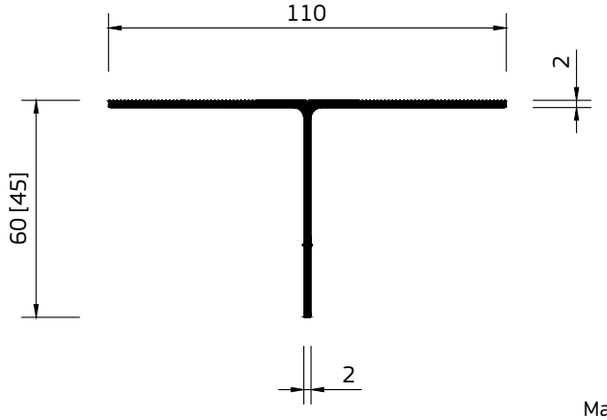
Refer to table T.3 for standard profile lengths.
Other lengths on request.

Material: AW 6063 T5

Article No	Description	Finish	Weight
03.625H.xx.XXX	F-625QH System rail with H-slot	bright	724 g/m
03.620H.xx.XXX	F-620QH System rail with H-slot	painted black	

xx - grid size, XXX - rail length

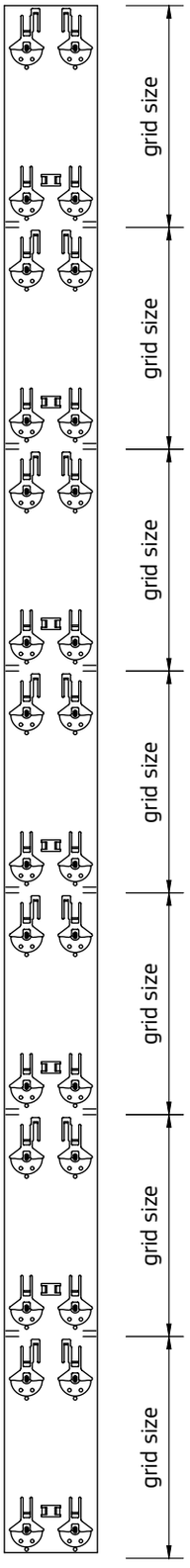
Other colors on request.



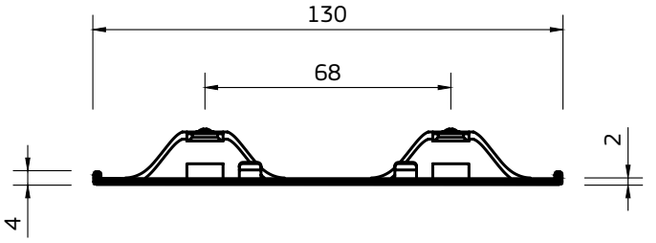
Material: AW 6063 T66

Article No	Description	Finish	Weight
01.2.110602.xxx	Profile T110x60x2, unpainted	unpainted	886 g/m
01.2.110602.xxxP	Profile T110x60x2, painted black	painted black	
01.2.110452.xxx	Profile T110x45x2, unpainted	unpainted	826 g/m
01.2.110452.xxxP	Profile T110x45x2, painted black	painted black	

xxx - profile length



SYSTEM COMPONENTS



Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

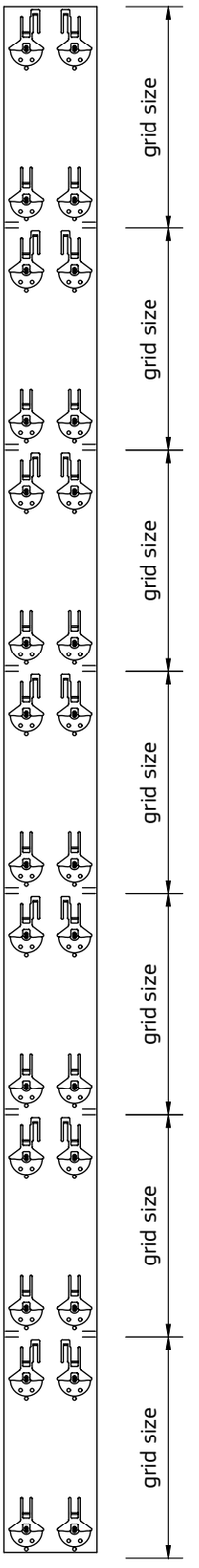
Refer to table T.3 for standard profile lengths.
Other lengths on request.

Material: AW 6063 T5

Article No	Description	Finish	Weight
03.625.xx.XXX	F-625Q System rail	bright	724 g/m
03.620.xx.XXX	F-620Q System rail	painted black	

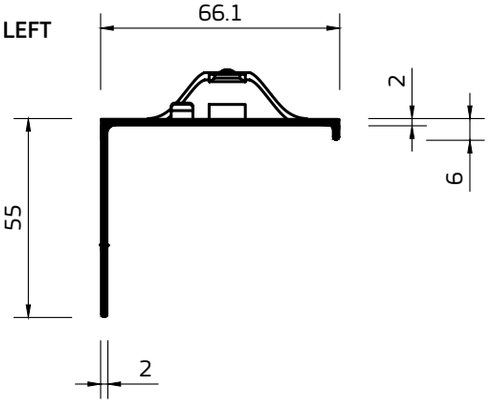
xx - grid size, XXX - rail length

Other colors on request.

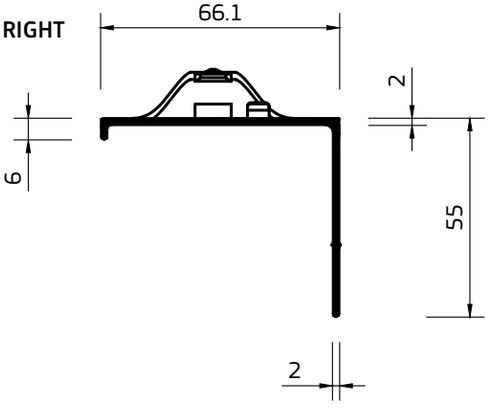


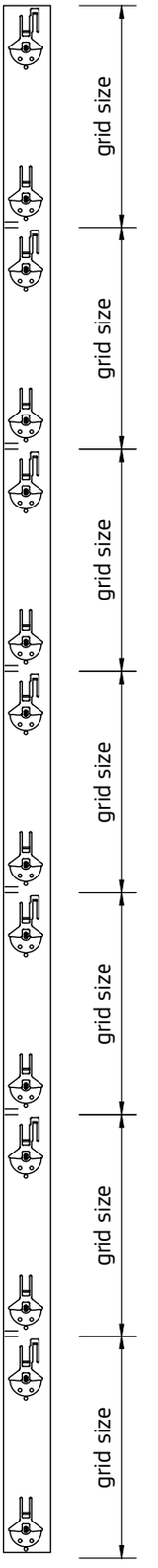
SYSTEM COMPONENTS

F-696Q L-RAIL, LEFT



F-696Q L-RAIL, RIGHT





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

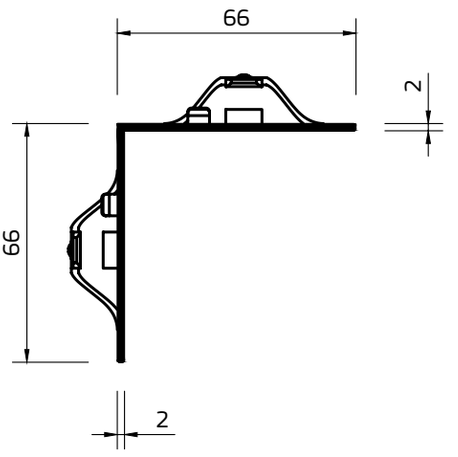
Refer to table T.3 for standard profile lengths.
Other lengths on request.

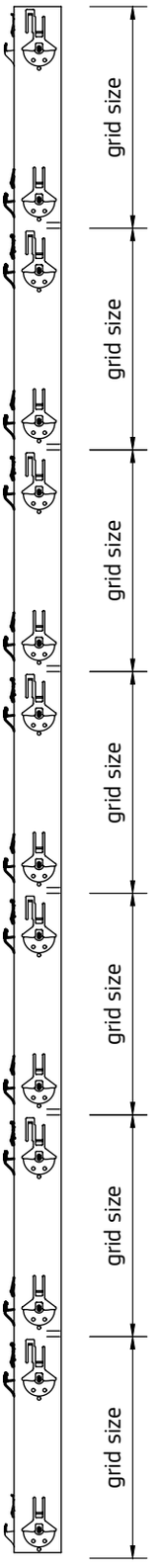
Material: AW 6063 T5

Article No	Description	Finish	Weight
03.696.xx.XXXL	F-696Q L-rail, left	bright	666 g/m
03.696.xx.XXXR	F-696Q L-rail, right	bright	

xx - grid size, XXX - rail length

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

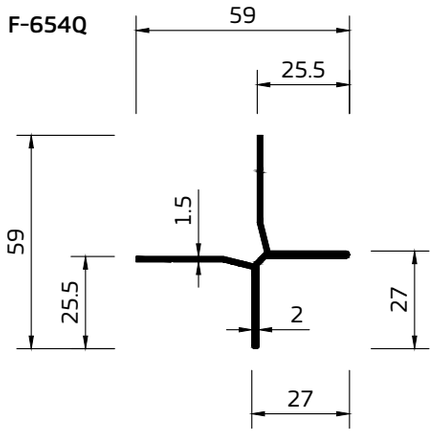
Material: AW 6063 T5

Article No	Description	Finish	Weight
03.630.xx.XXX	F-630Q L-rail, external angle	bright	701 g/m

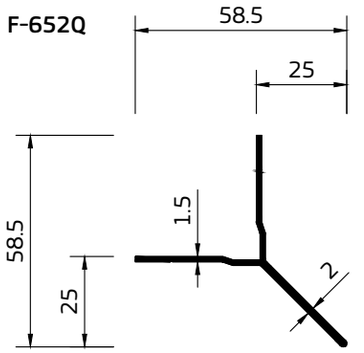
xx - grid size, XXX - rail length

SYSTEM COMPONENTS

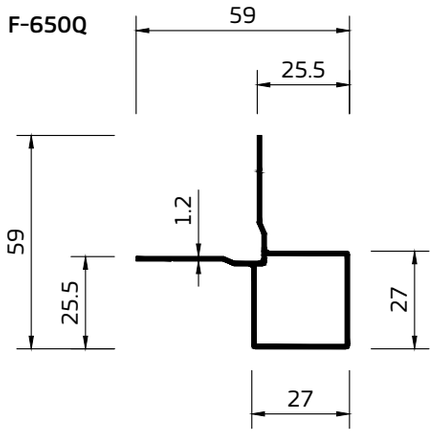
F-654Q

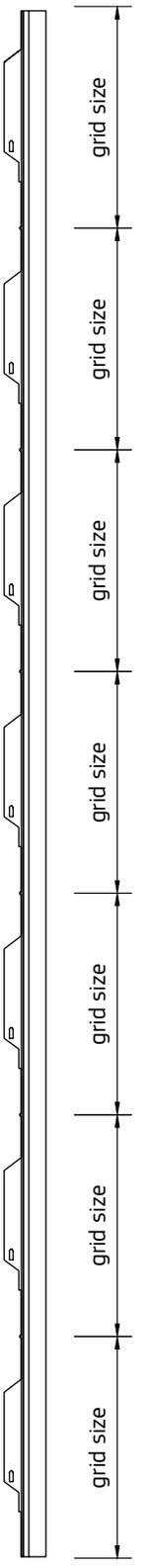


F-652Q



F-650Q





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

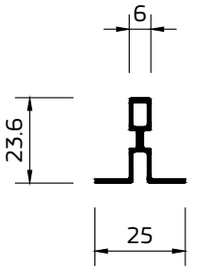
Material: AW 6063 T66

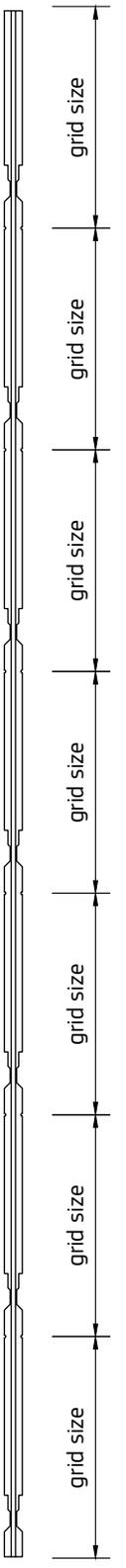
Article No	Description	Finish	Weight
03.654.xx.XXXP	F-654Q Negative rail, external angle	painted black	526 g/m
03.652.xx.XXXP	F-652Q Sword rail, external angle		459 g/m
03.650.xx.XXXP	F-650Q Square rail, external angle		543 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

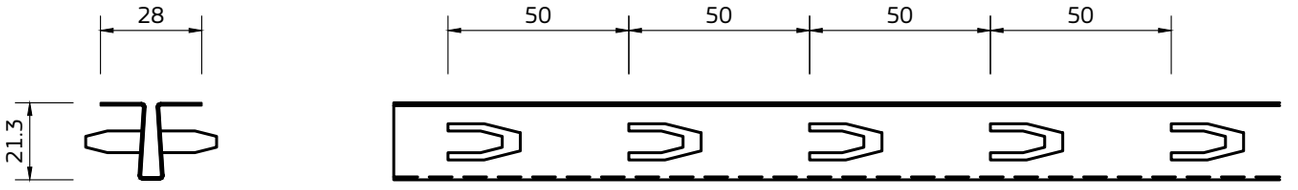
MATERIAL: AW 6063 T66

Article No	Description	Finish	Weight
03.640.xx.XXX	F-640Q Joint rail	painted black	227 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS

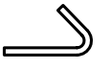


Standard length 1496 mm.
Other lengths on request.

MATERIAL: AW 5754 H22

Article No	Description	Finish	Weight
647	F-647 Plug-in joint rail	painted black	152 g/m

xxx - rail length



MATERIAL: AW 5754 H22

Article No	Description	Finish	Weight
645	F-645 Joint spacer	painted black	2 g/pc

SYSTEM COMPONENTS

Table T.3 **K20 RAILS STANDARD LENGTHS**

PANEL GRID SIZE mm	RAIL LENGTH mm
200	2992
225	3142
250	2992
275	3292
300	2992
325	3242
350	3142
375	2992
400	3192
450	3142
500	2992
550	3292
600	2992

QV3

CERAMIC PANELS K20 OMEGA-RAIL RAINSCREEN SYSTEM

LEGEND

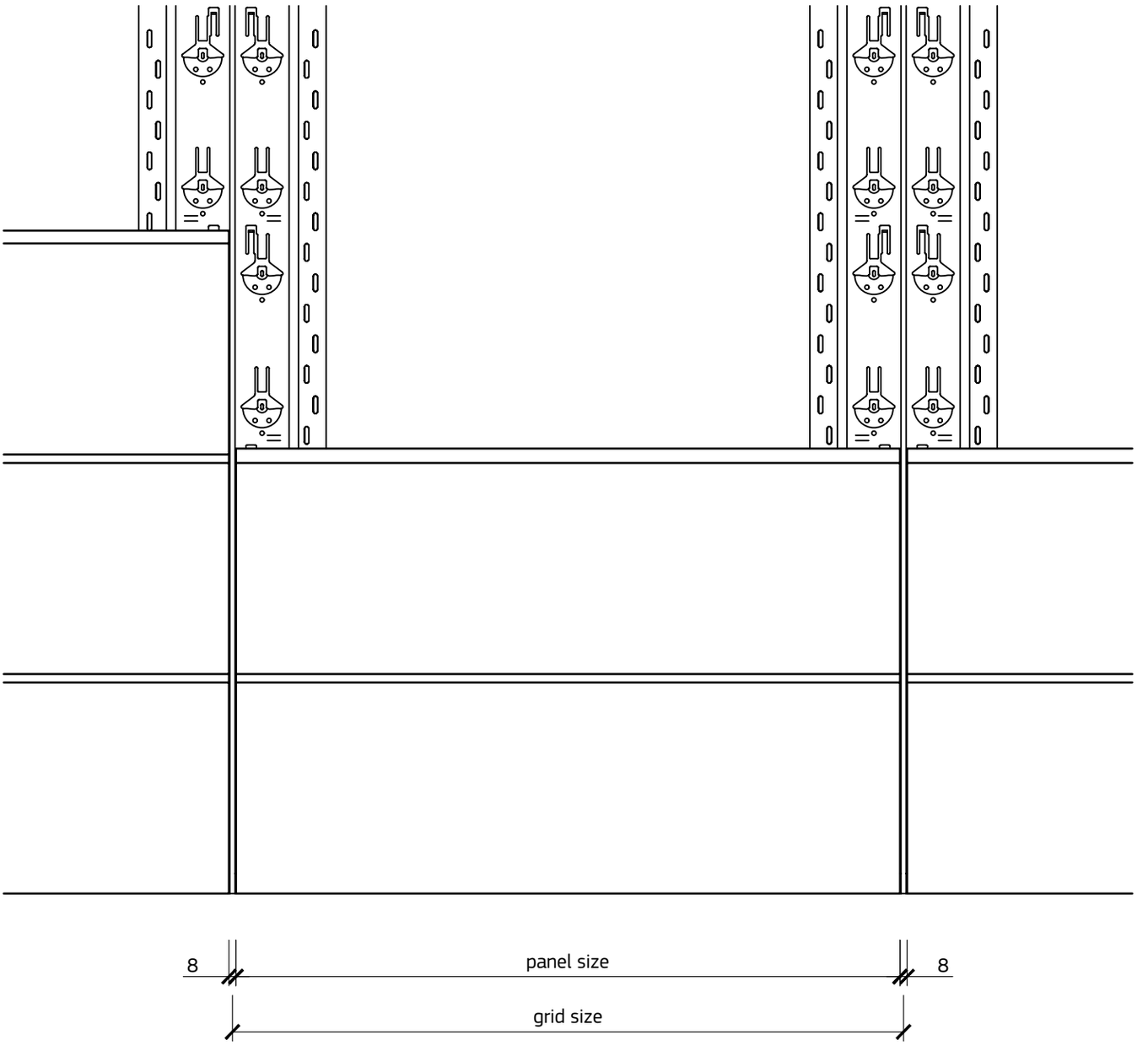
1. CERAMIC PANEL AGROB BUCHTAL KeraTwin K20
2. F-627QH OMEGA RAIL WITH H-SLOT, BRIGHT *art.No 03.627H.xx.XXX*
3. F-624Q OMEGA RAIL, PAINTED *art.No 03.624.xx.XXX*
4. F-627Q OMEGA RAIL, BRIGHT *art.No 03.627.xx.XXX*
5. F-127Q OMEGA RAIL, SINGLE, BRIGHT *art.No 03.127.xx.XXX*
6. F-633Q OMEGA RAIL, EXTERNAL ANGLE *art.No 03.633.xx.XXX*
7. CUSTOM OMEGA RAIL
8. F-640Q JOINT RAIL *art.No 03.640.xx.XXX*
9. F-645 JOINT SPACER
10. F-647 PLUG-IN JOINT
11. F-650Q SQUARE RAIL, EXTERNAL ANGLE *art.No 03.650.xx.XXXP*
12. F-652Q SWORD RAIL, EXTERNAL ANGLE *art.No 03.652.xx.XXXP*
13. F-654Q NEGATIVE RAIL, EXTERNAL ANGLE *art.No 03.654.xx.XXXP*
14. HAT PROFILE 120/60x20 *art. No 03.697.xxx*
15. OMEGA PIECE
16. Z PIECE
17. HAT PROFILE, PROJECT SPECIFIC
18. SELF-DRILLING SCREW Ø4.8x16 mm, A2
19. SCREW
20. F-684 SINGLE-CLAMP K20 W/ RIVETS
21. STUD WALL
22. WINDOW SYSTEM
23. METAL TRIM / FLASHING / COPING
24. PERFORATED METAL TRIM

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

QV3 CERAMIC PANELS K20 OMEGA RAIL RAINSCREEN SYSTEM

GENERAL INSTALLATION DIAGRAM

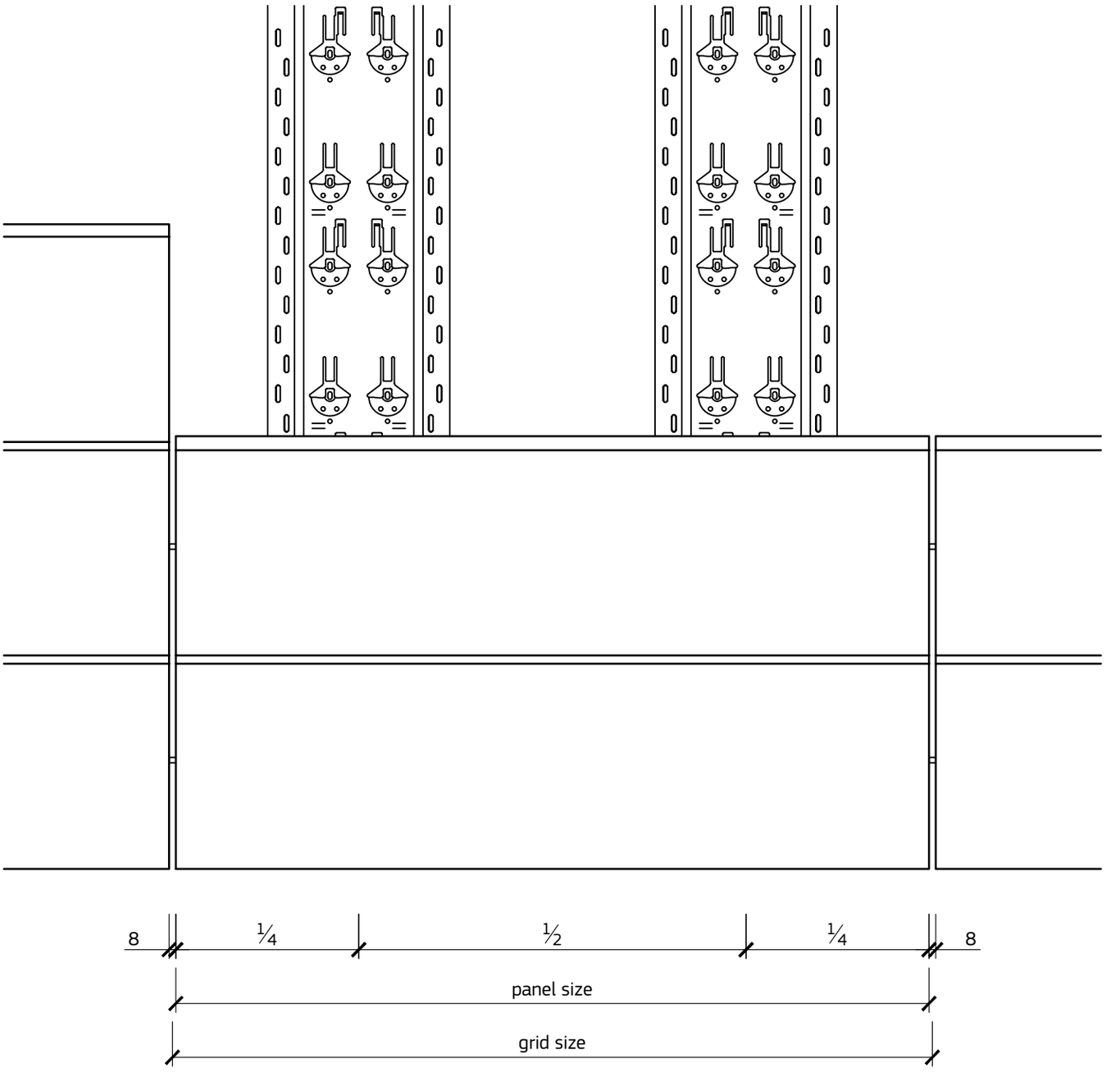


SINGLE-SPAN WITHOUT CANTILEVER

Refer to general approval Z-33.1-1175 for complete technical data.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

GENERAL INSTALLATION DIAGRAM

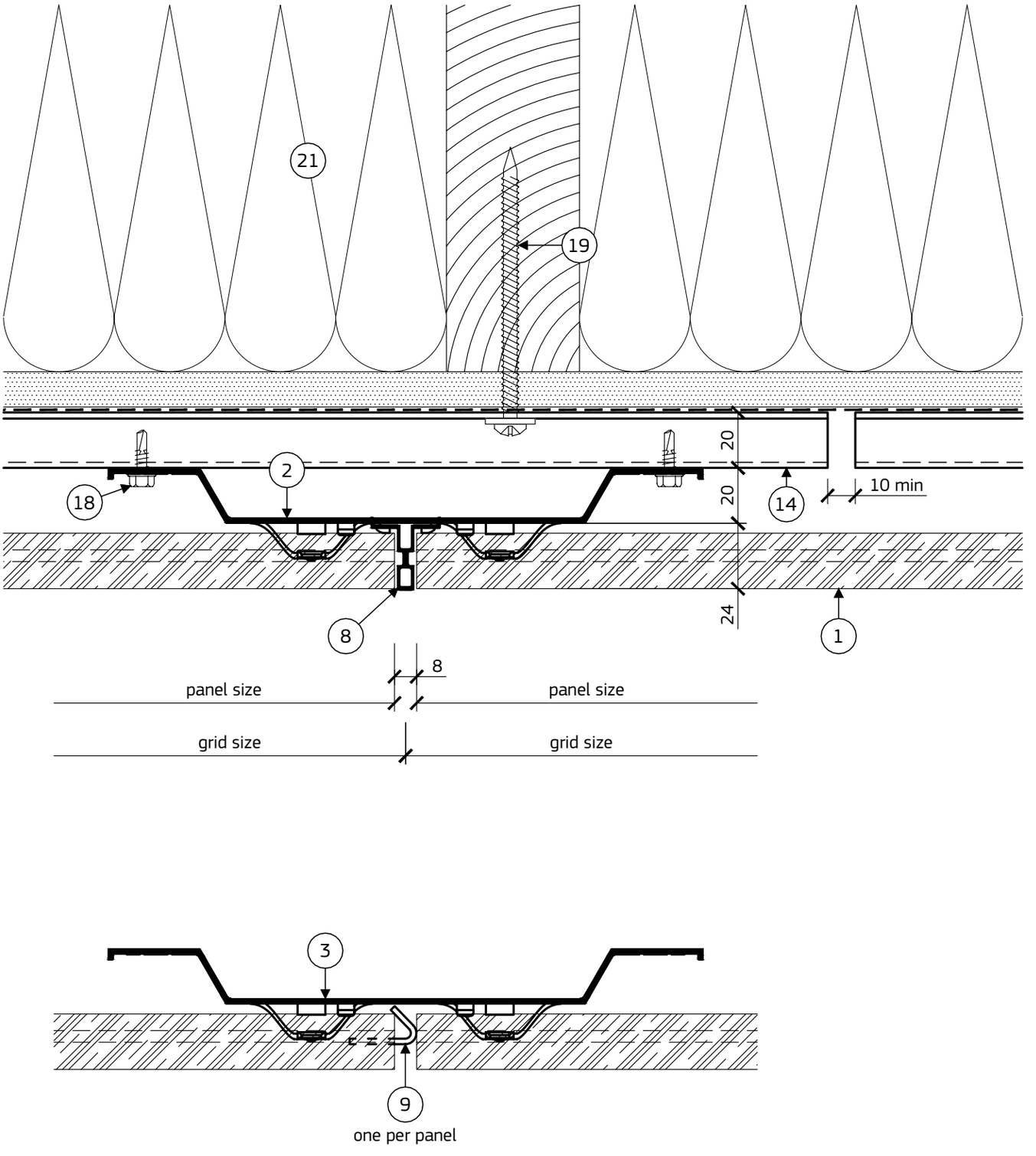


SINGLE-SPAN WITH CANTILEVER

Refer to general approval Z-33.1-1175 for complete technical data.

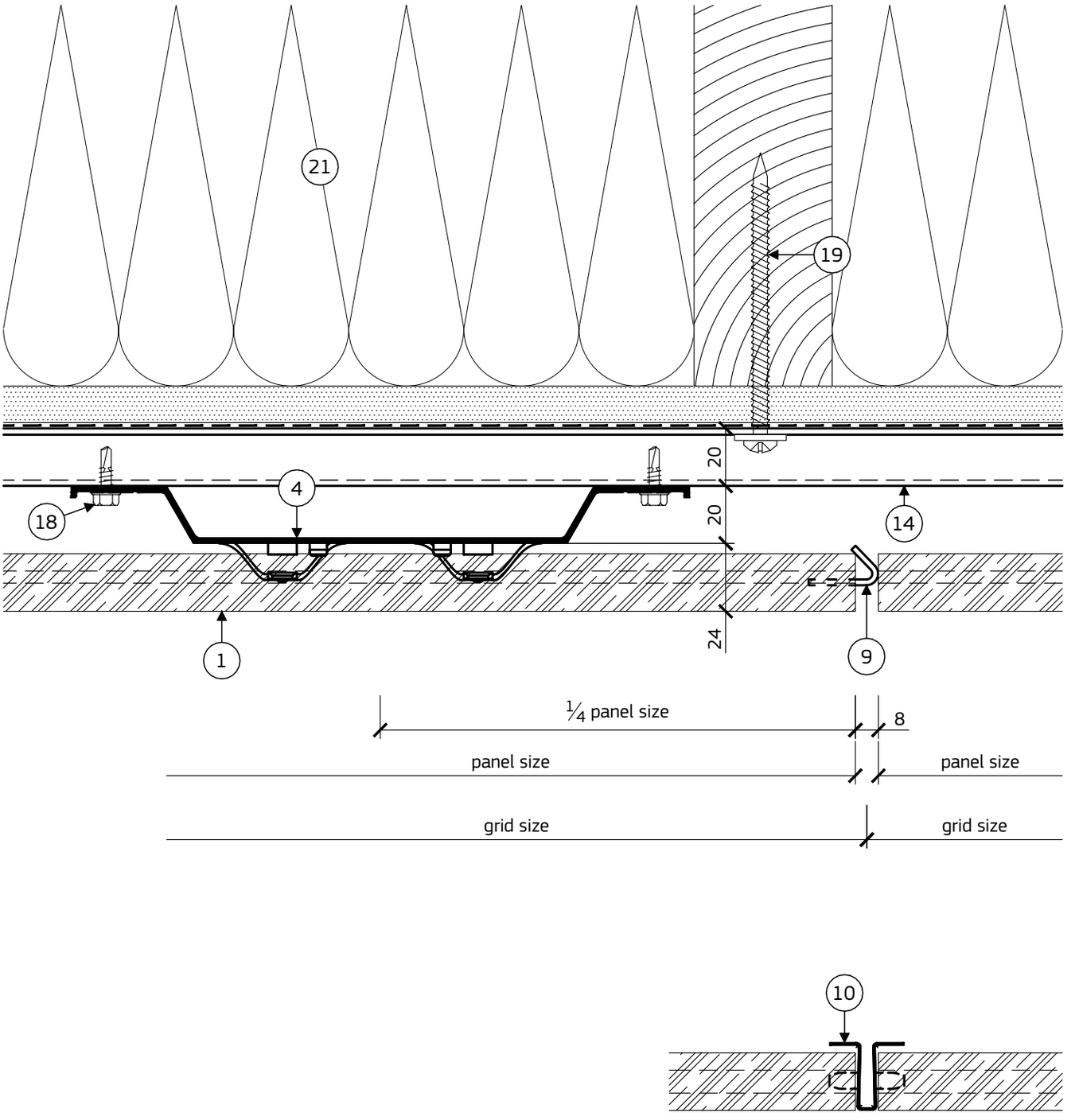
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.1 PLAN DETAIL



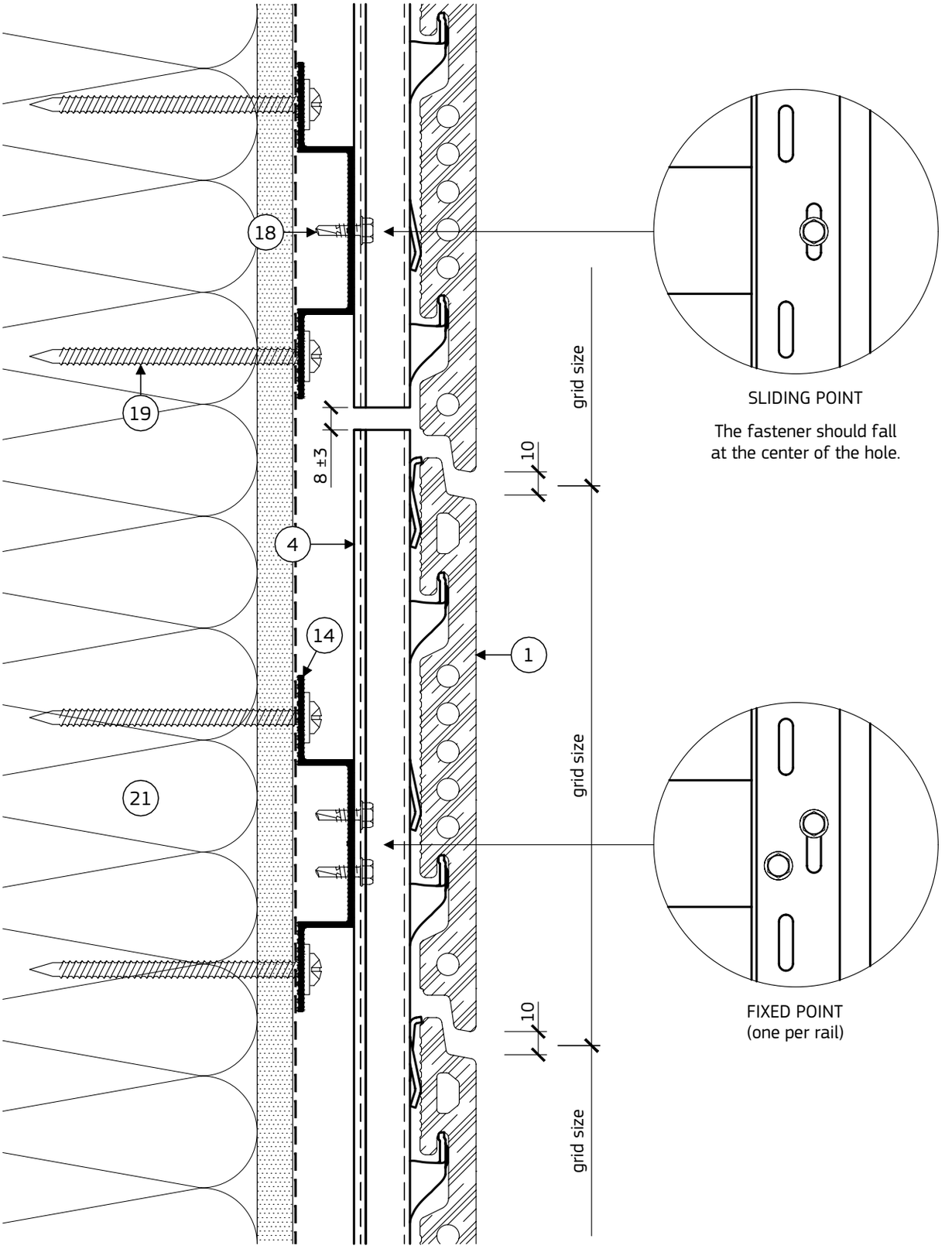
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

1.2 PLAN DETAIL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

2.1 SECTION DETAIL



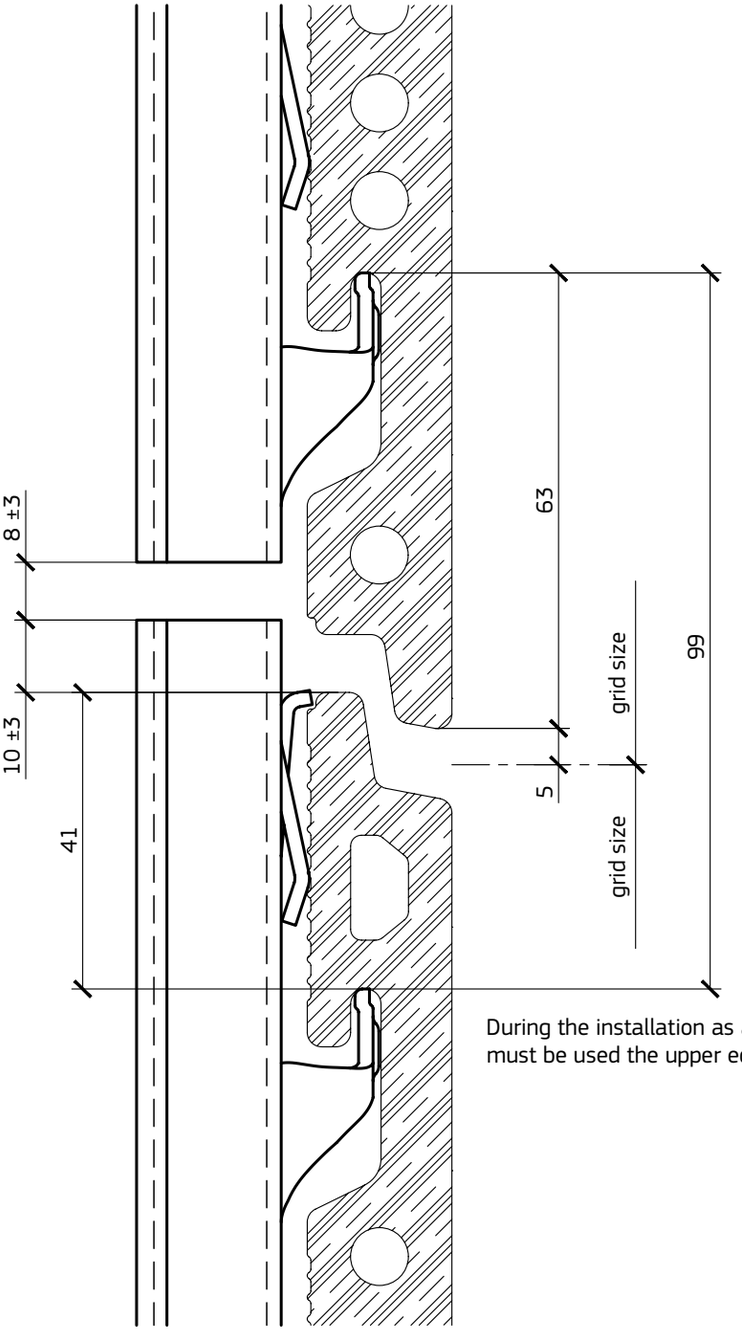
SLIDING POINT

The fastener should fall
at the center of the hole.

FIXED POINT
(one per rail)

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

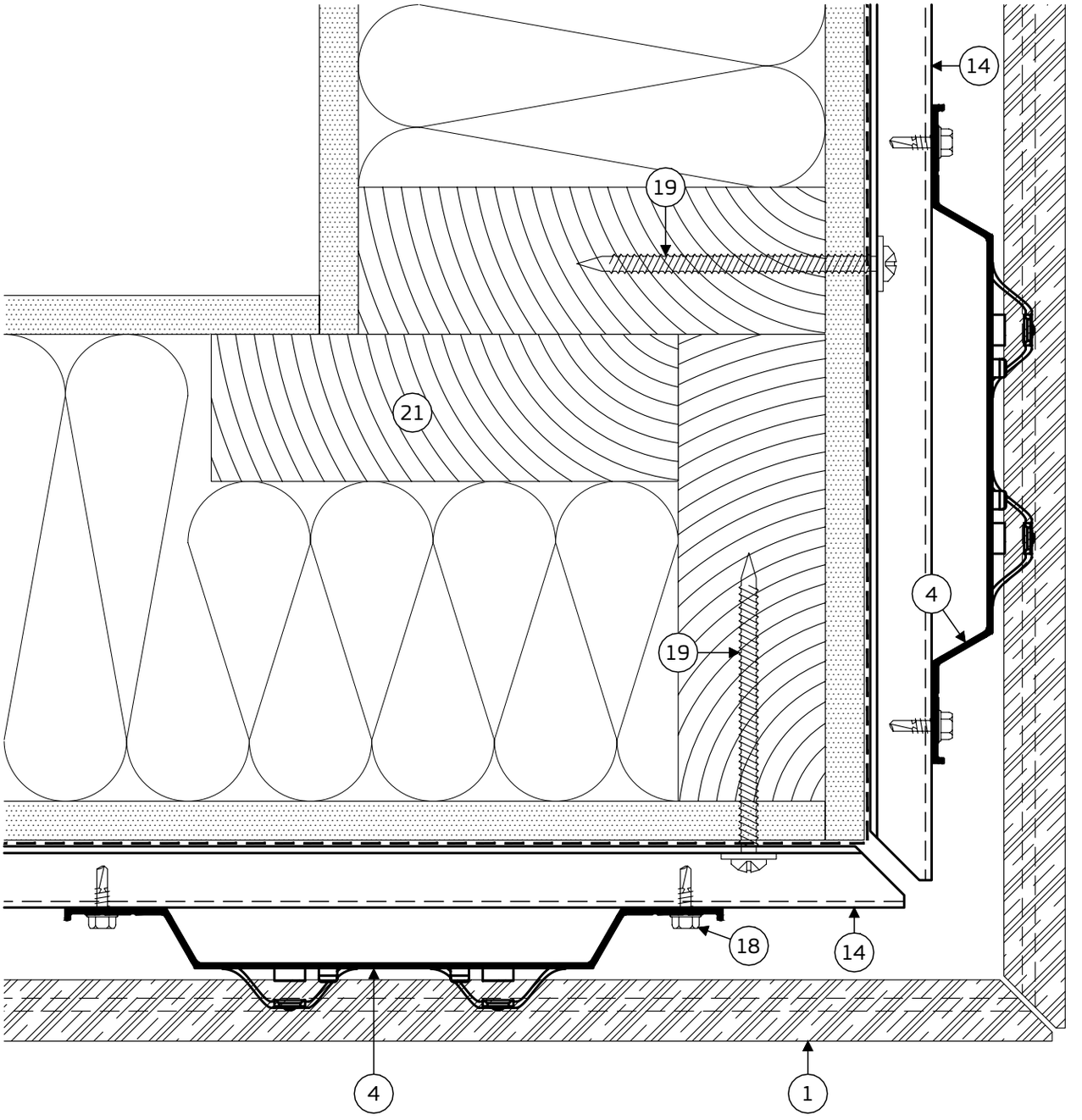
2.2 SECTION DETAIL - HORIZONTAL JOINT



During the installation as a reference point must be used the upper edge of the hooks.

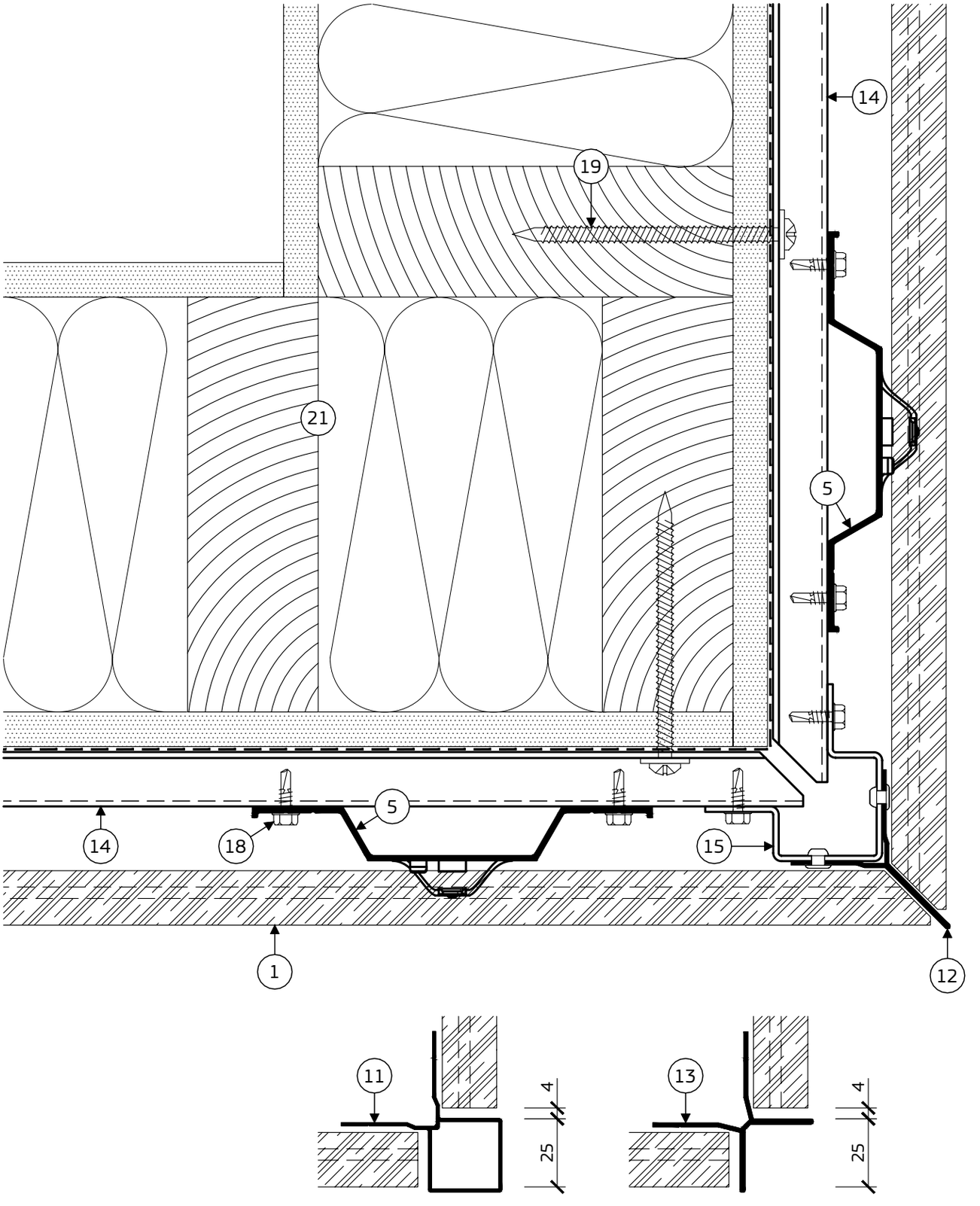
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.1 PLAN DETAIL - OUTSIDE CORNER



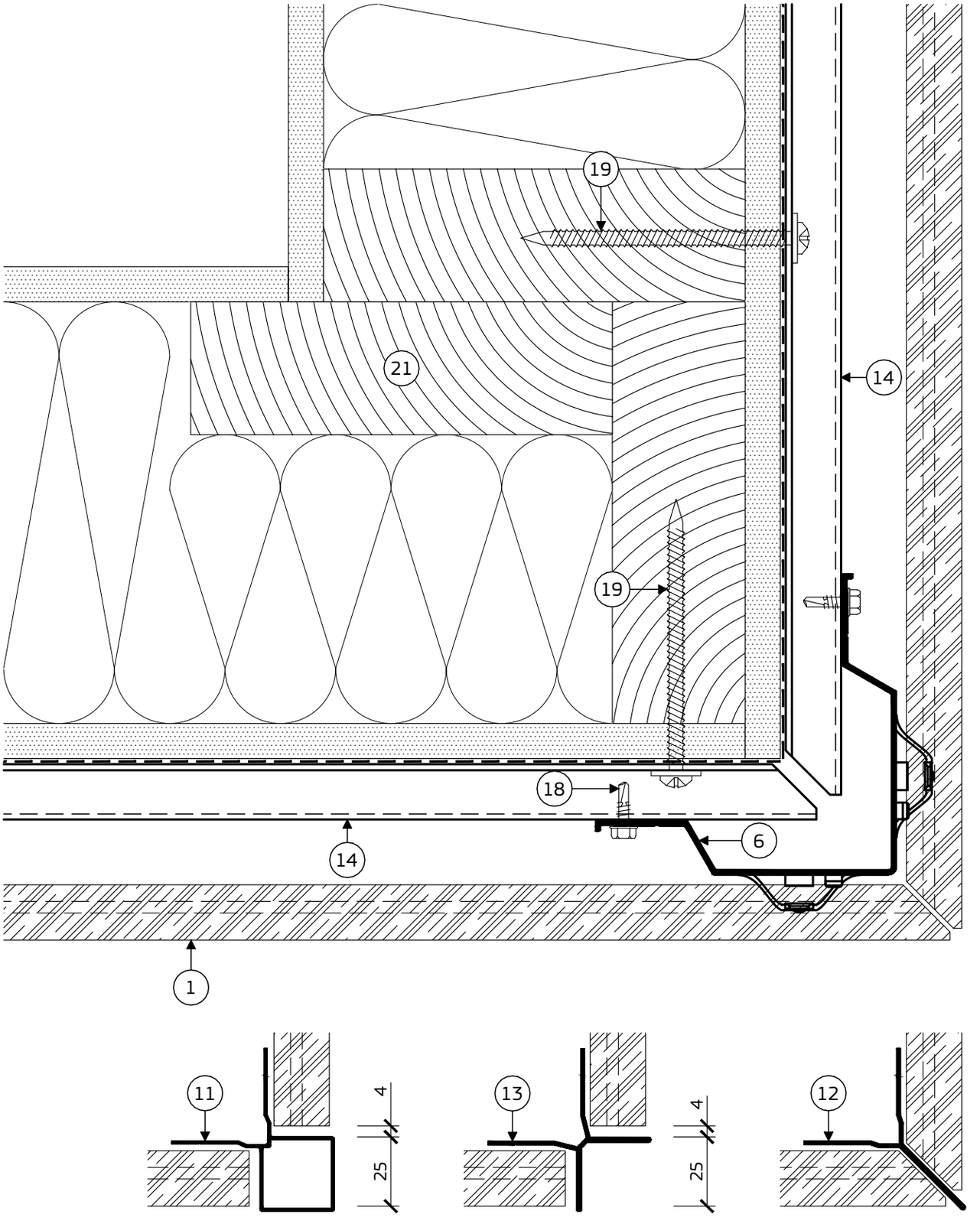
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.2 PLAN DETAIL - OUTSIDE CORNER



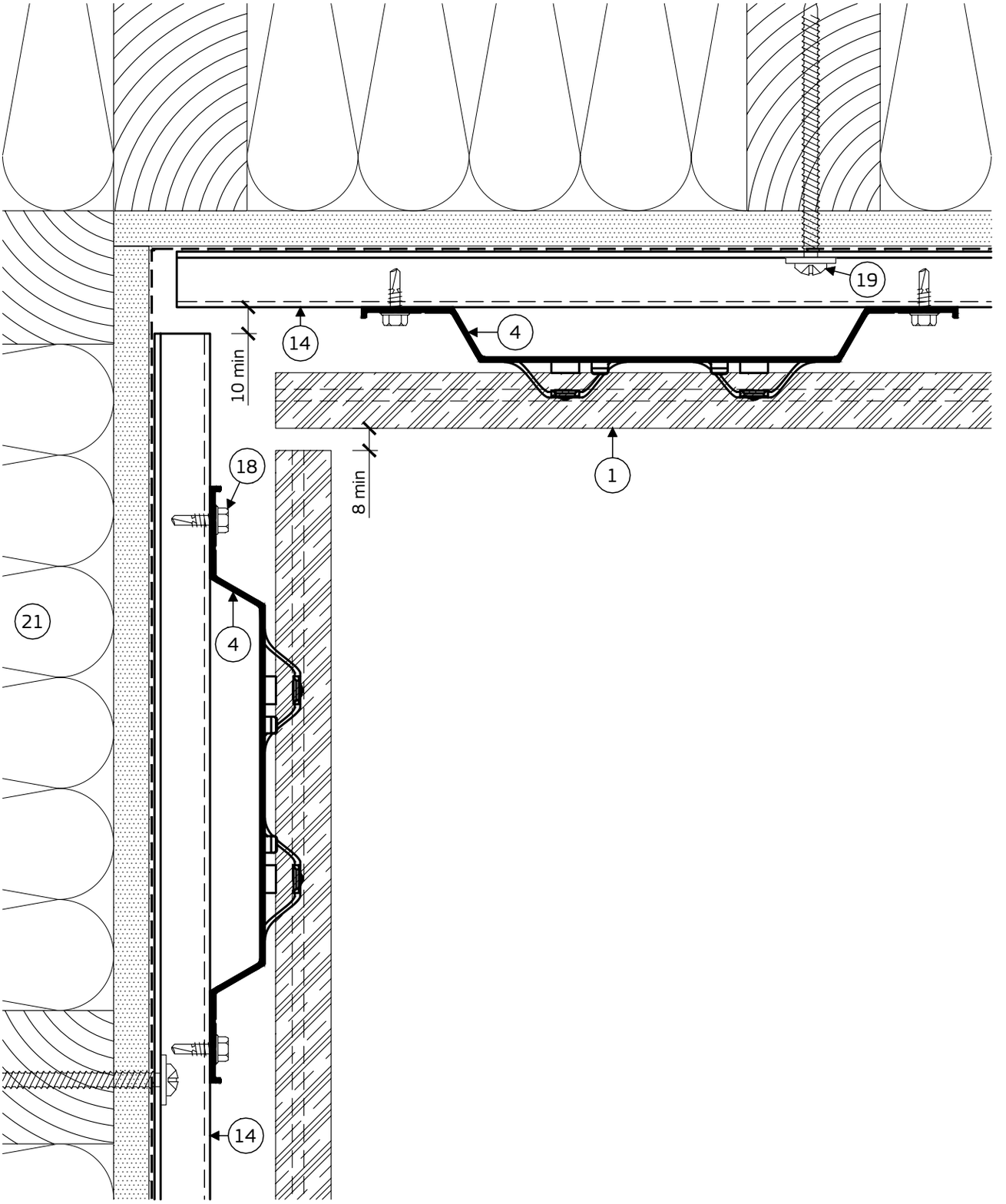
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.3 PLAN DETAIL - OUTSIDE CORNER



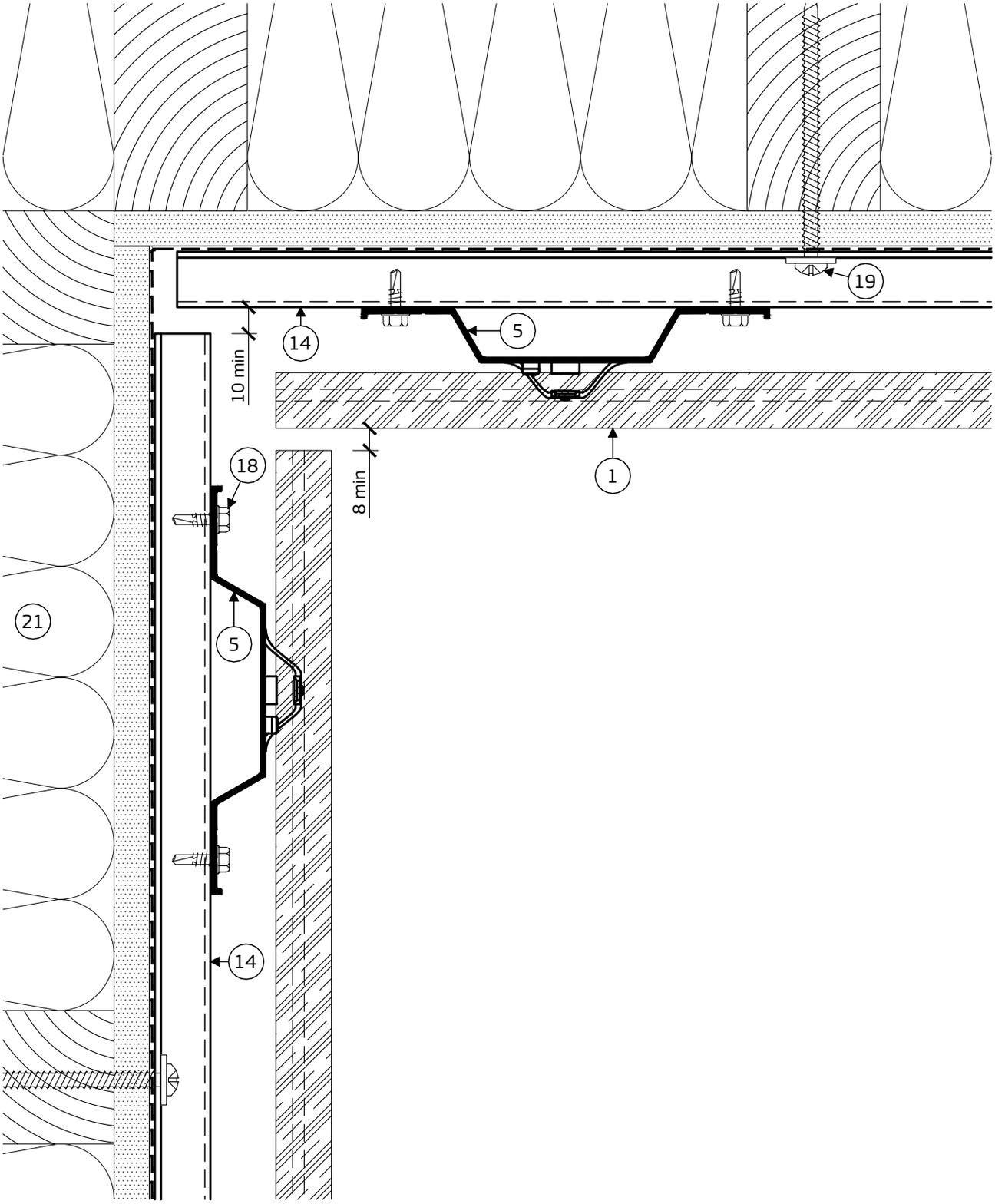
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



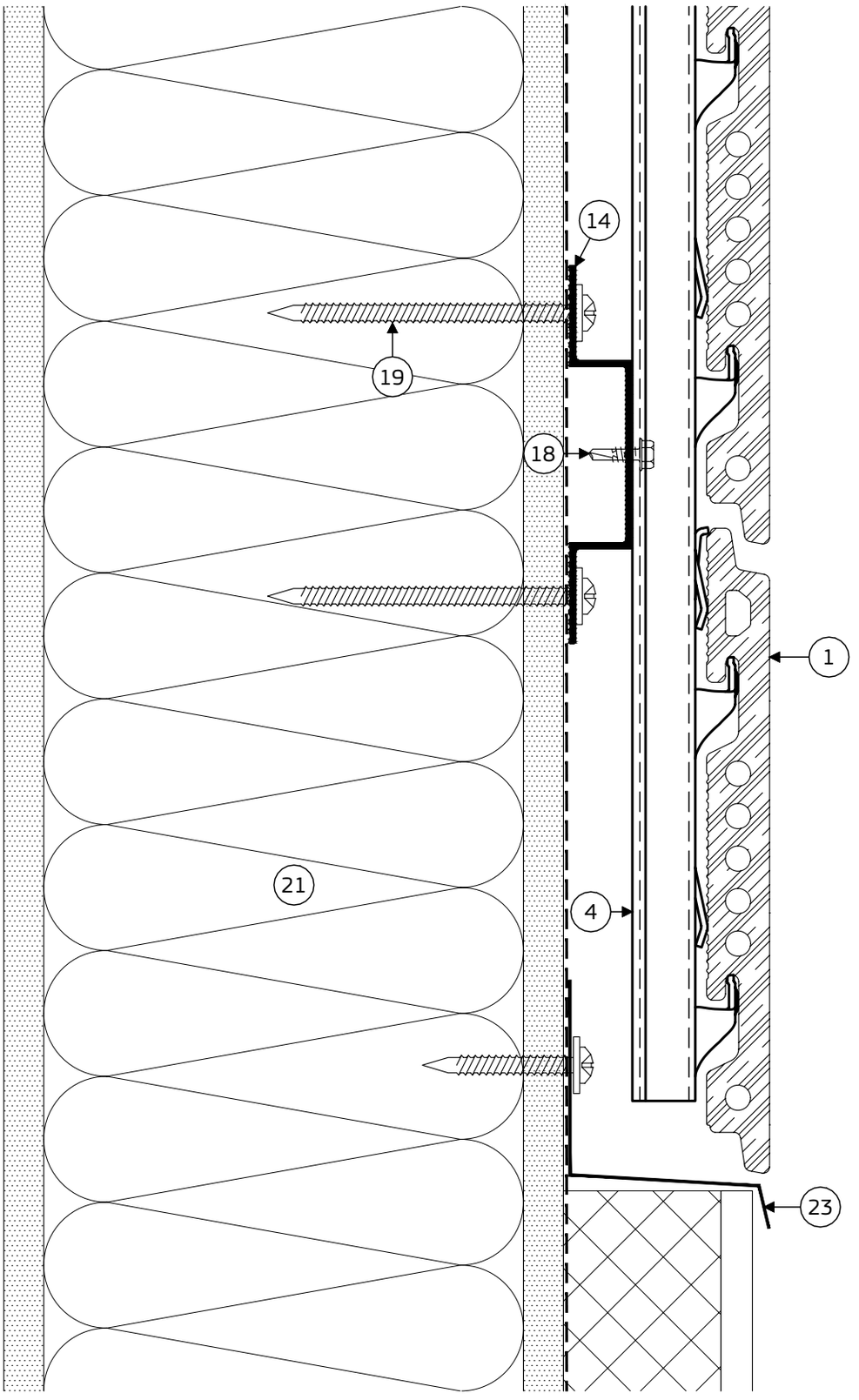
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.2 PLAN DETAIL - INSIDE CORNER



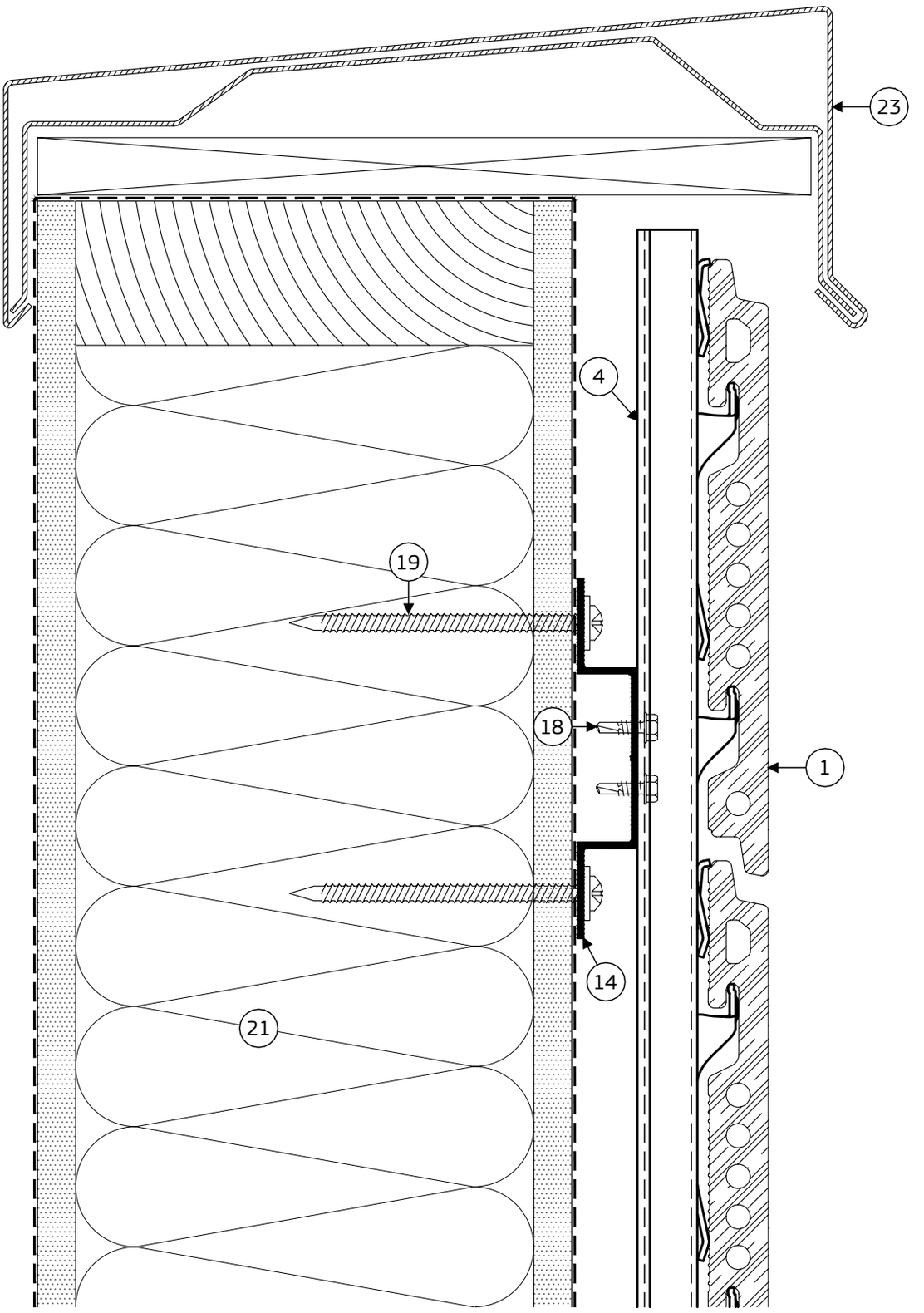
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



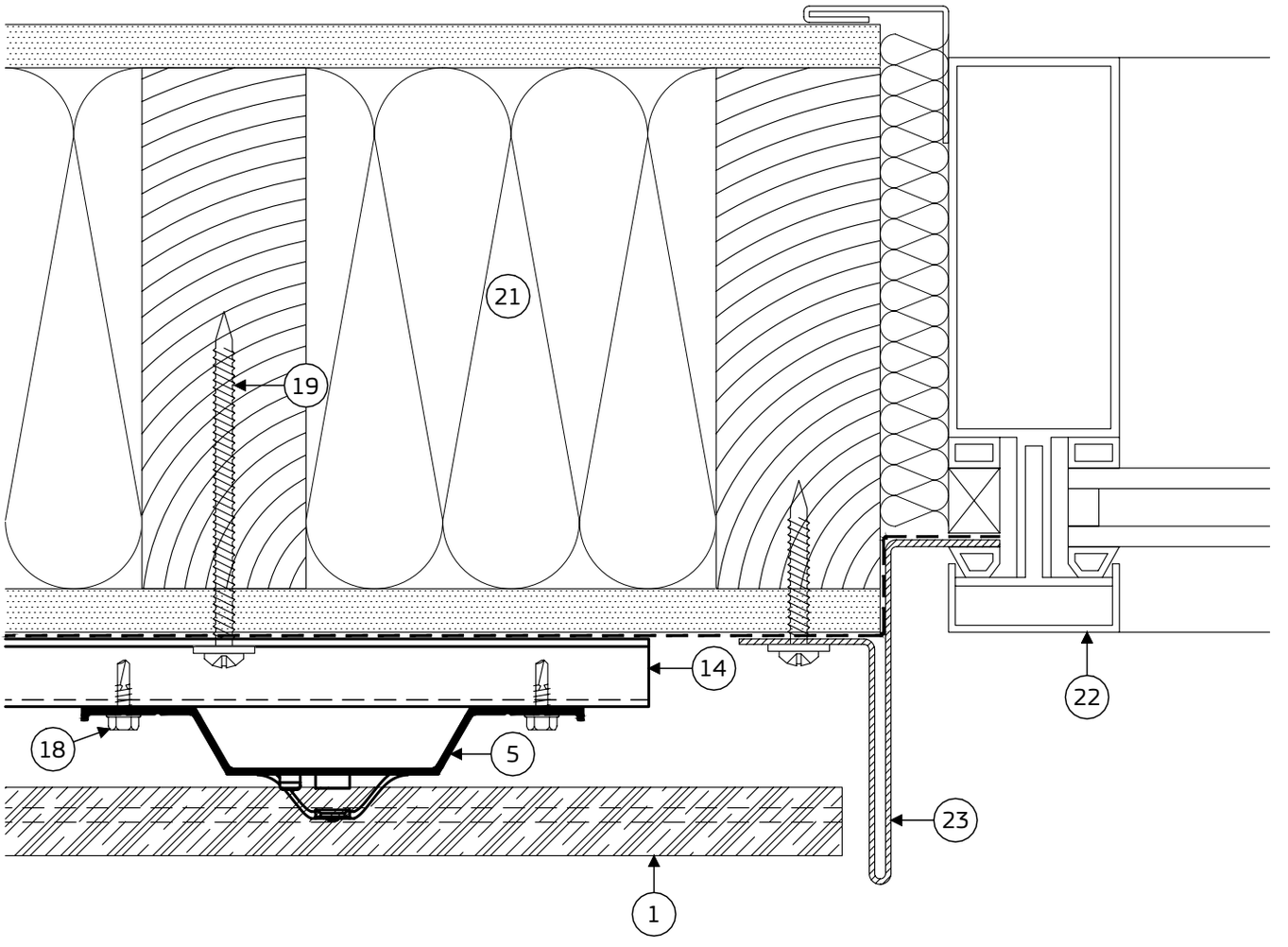
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



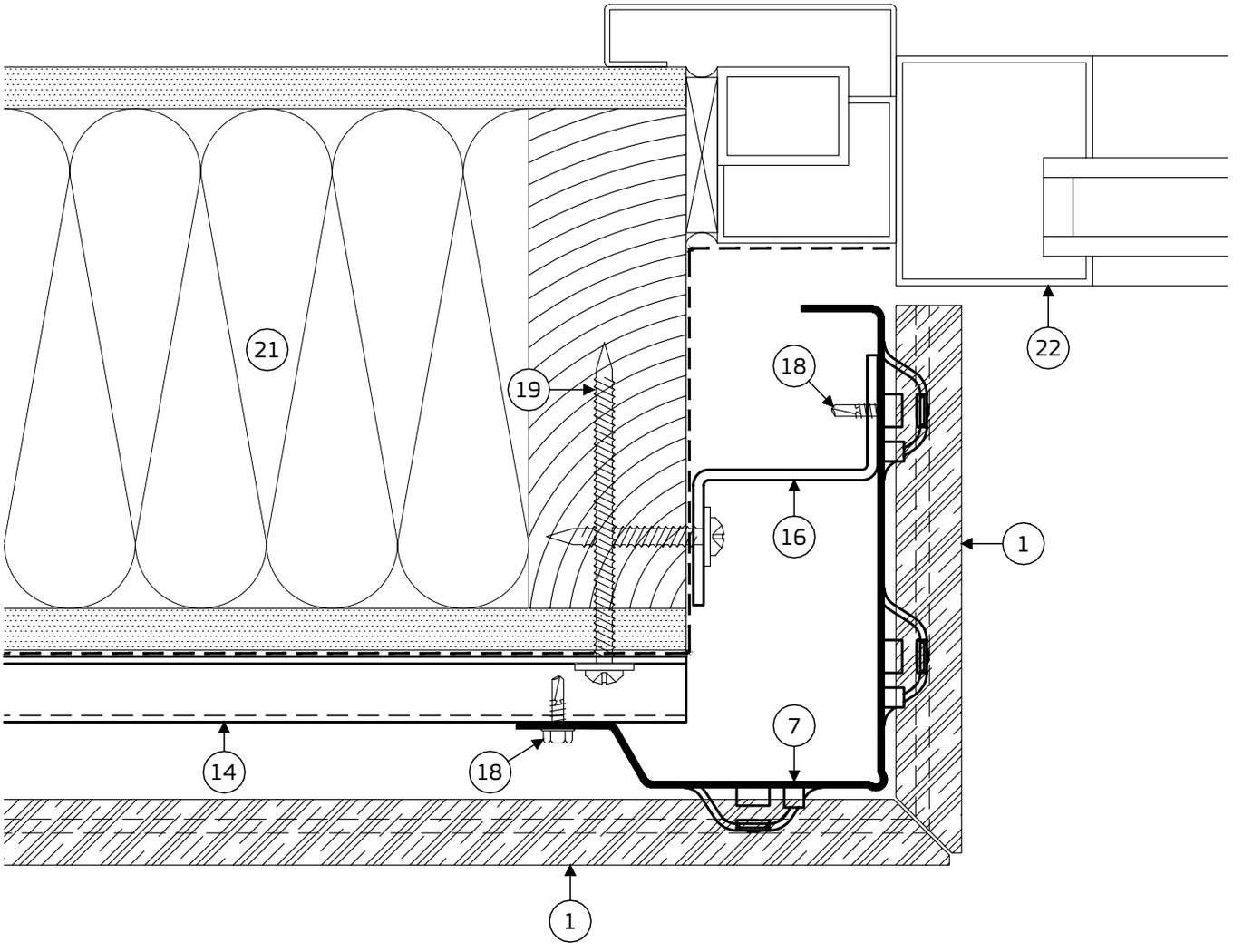
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



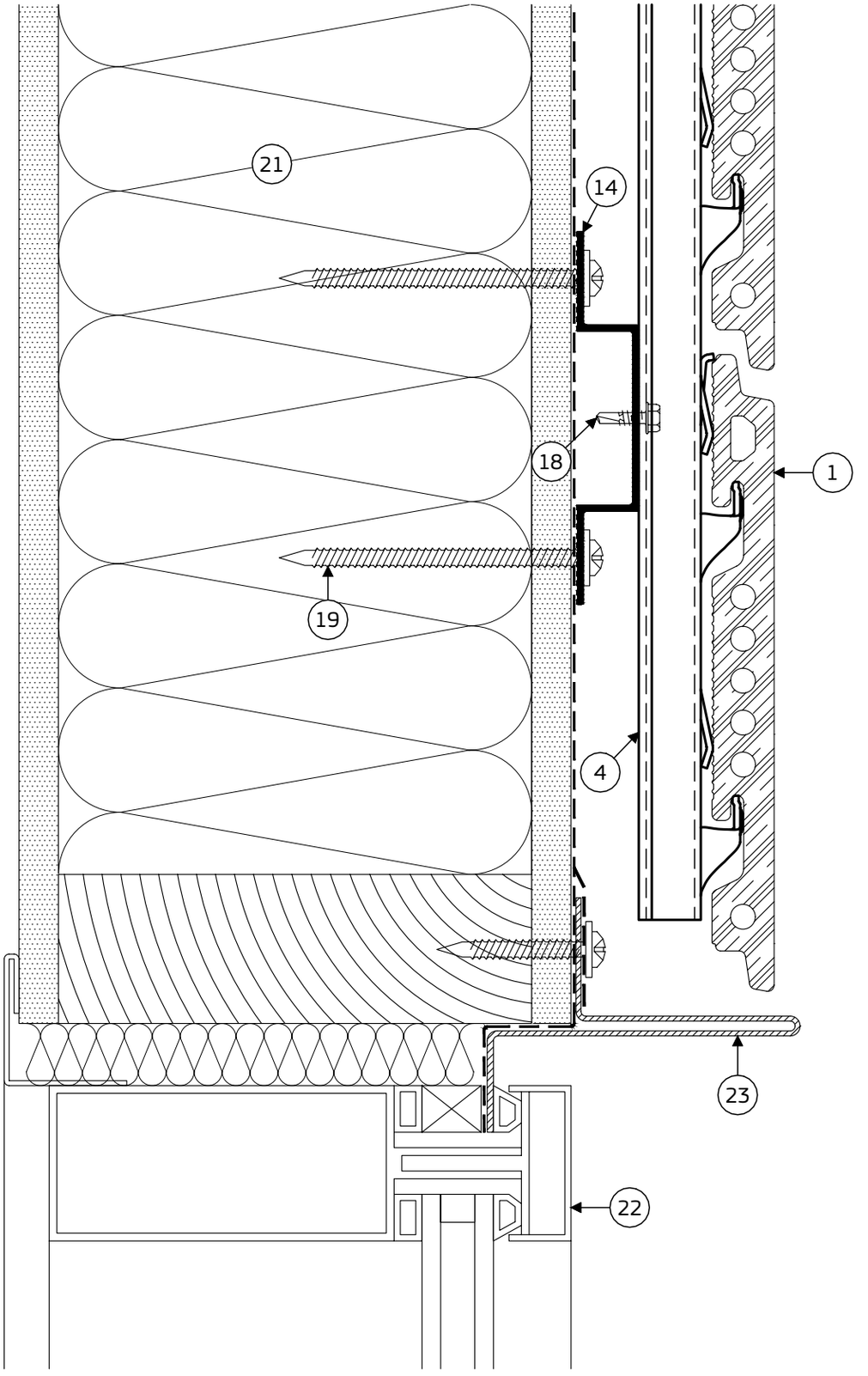
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.2 PLAN DETAIL - WINDOW JAMB



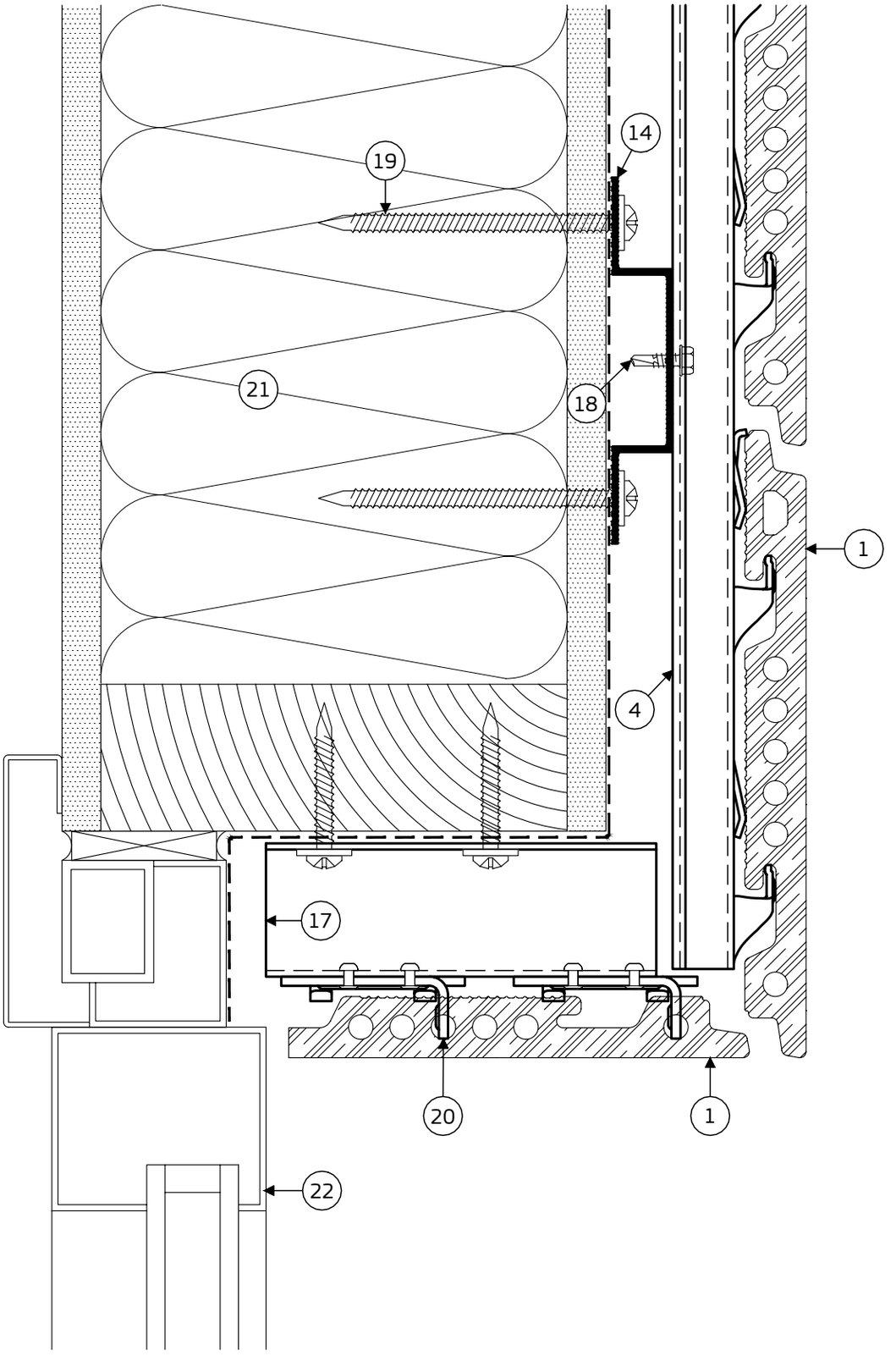
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



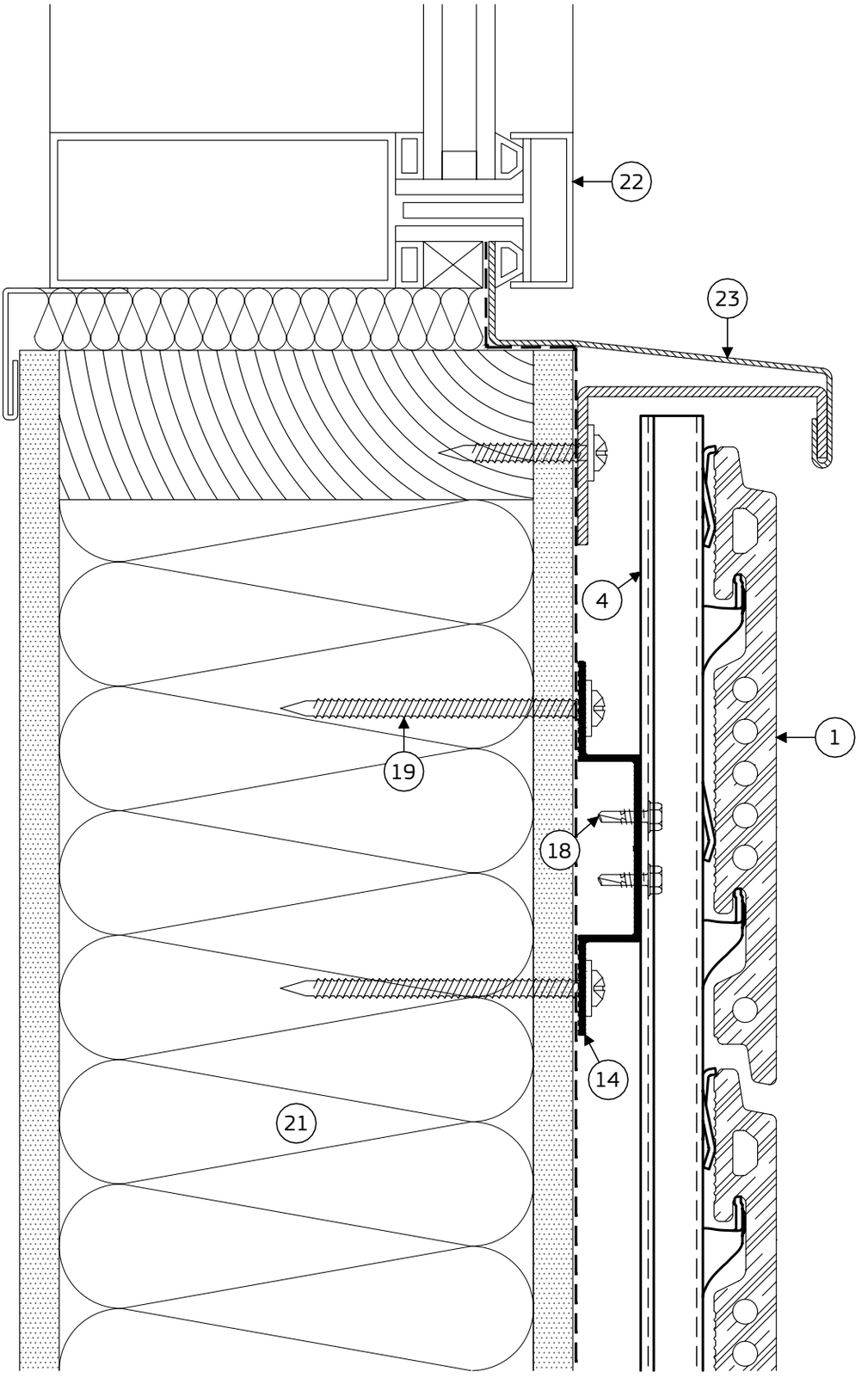
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



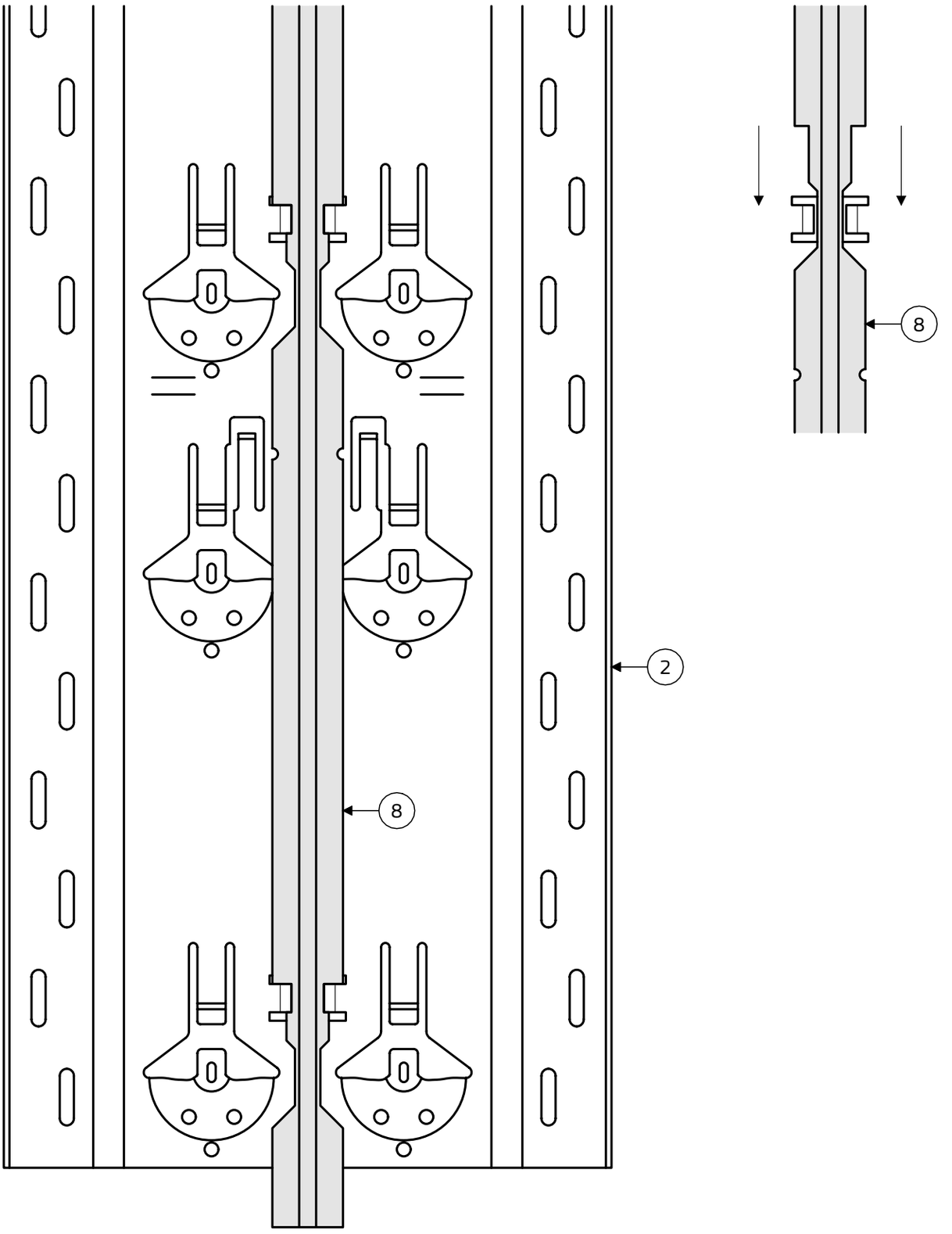
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL



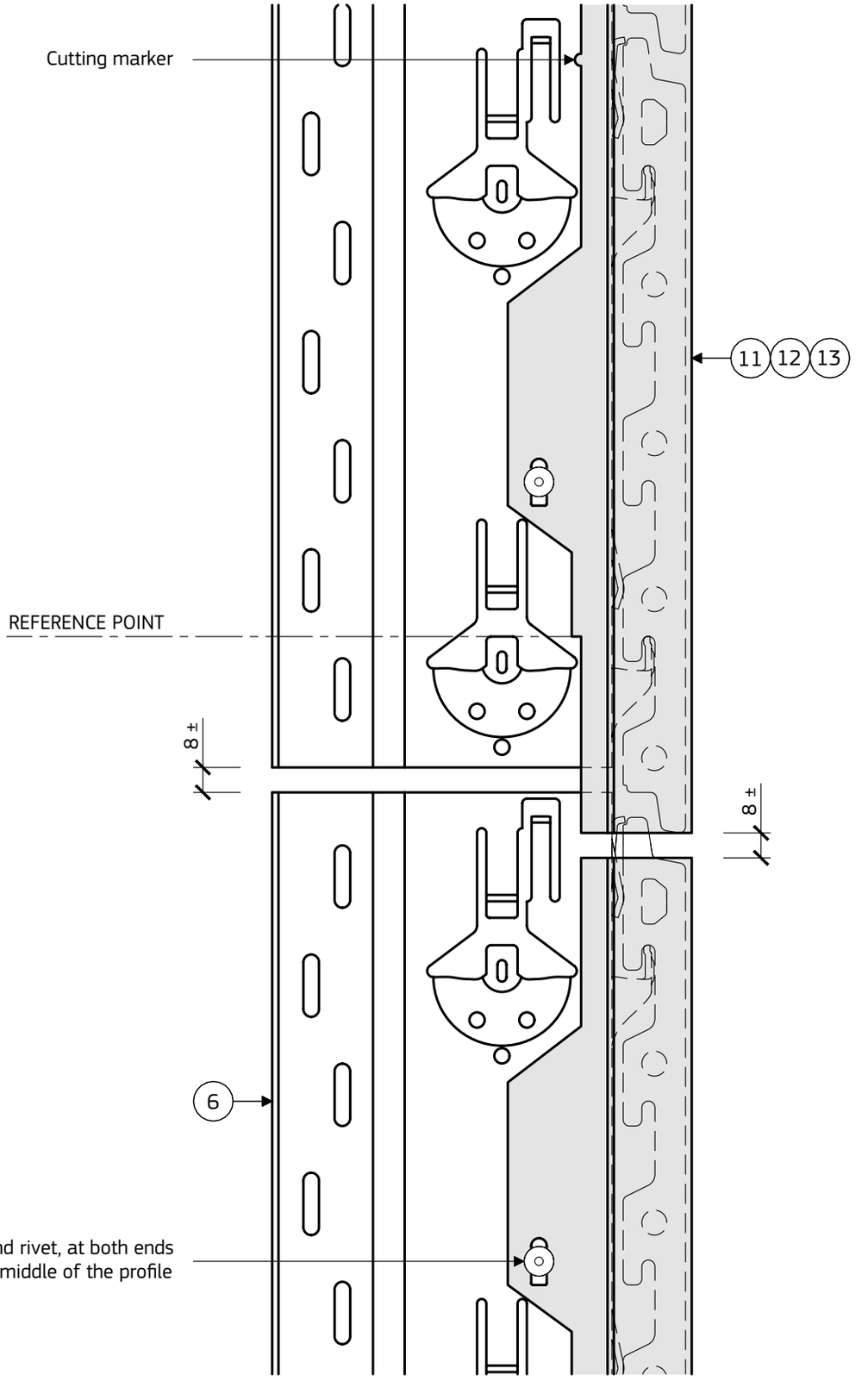
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

F-640Q JOINT RAIL INSTALLATION DIAGRAM



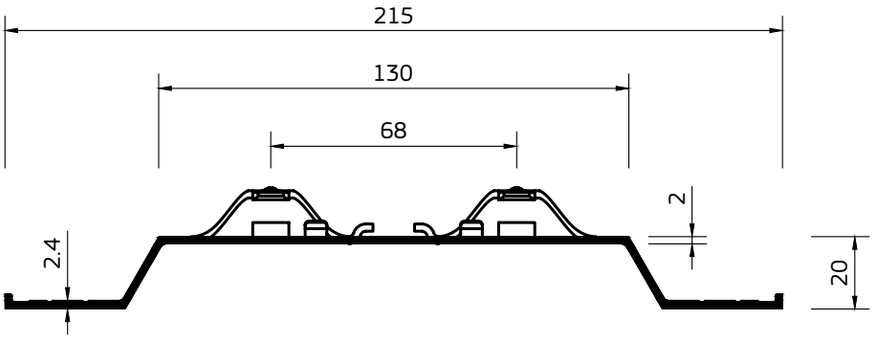
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

EXTERNAL ANGLES INSTALLATION DIAGRAM



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS



Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

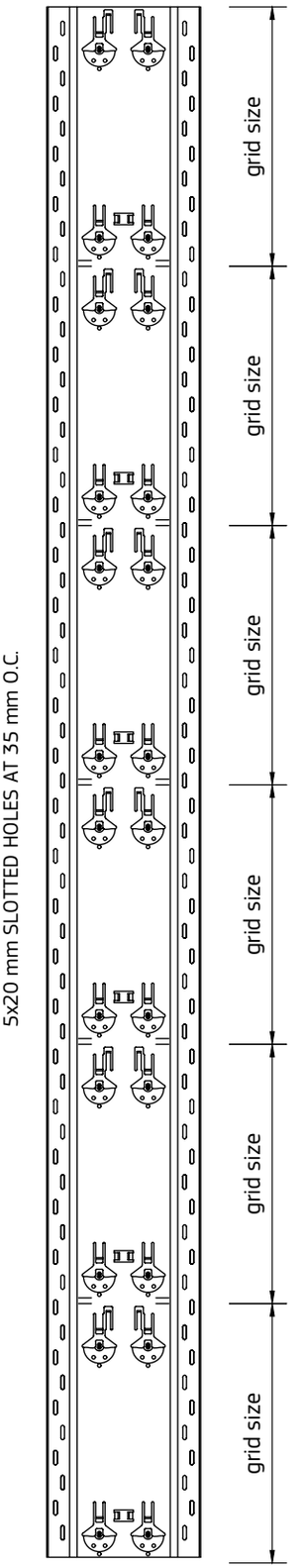
Refer to table T.3 for standard profile lengths.
Other lengths on request.

Material: AW 6063 T5

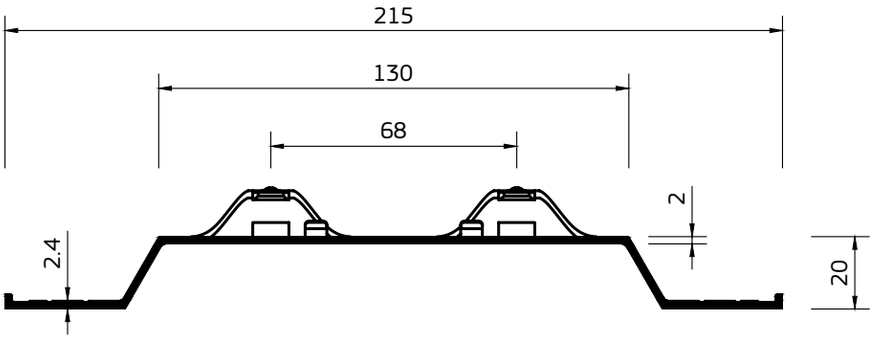
Article No	Description	Finish	Weight
03.627H.xx.XXX	F-627QH Omega rail with H-slot	bright	1356 g/m
03.624H.xx.XXX	F-624QH Omega rail with H-slot	painted black	

xx - grid size, XXX - rail length

Other colors on request.



SYSTEM COMPONENTS



Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

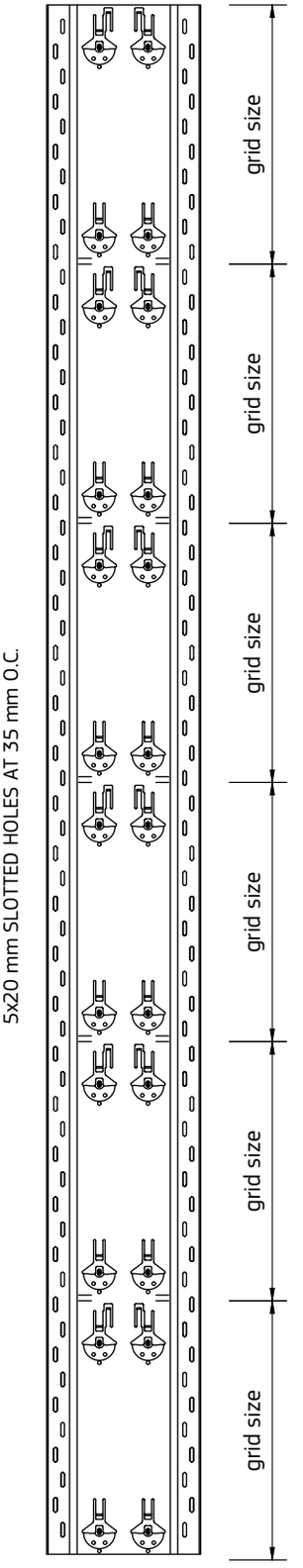
Refer to table T.3 for standard profile lengths.
Other lengths on request.

Material: AW 6063 T5

Article No	Description	Finish	Weight
03.627.xx.XXX	F-627Q Omega rail	bright	1356 g/m
03.624.xx.XXX	F-624Q Omega rail	painted black	

xx - grid size, XXX - rail length

Other colors on request.



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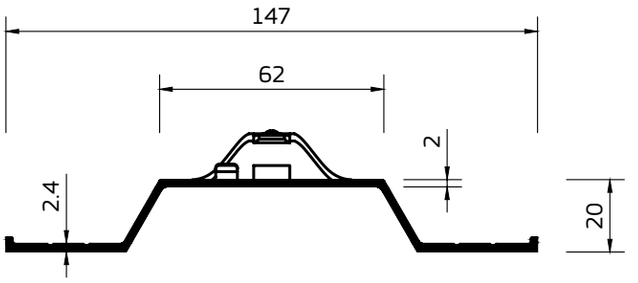
All dimensions are in mm I Scale 1:2

SYSTEM COMPONENTS



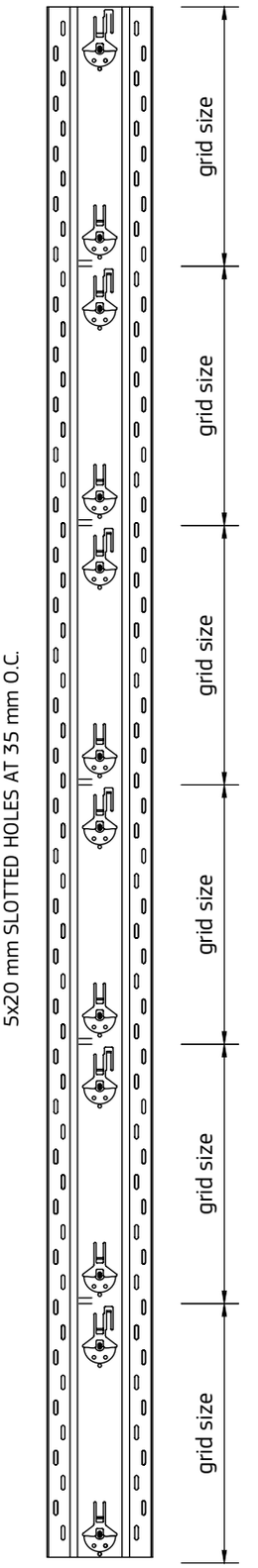
Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

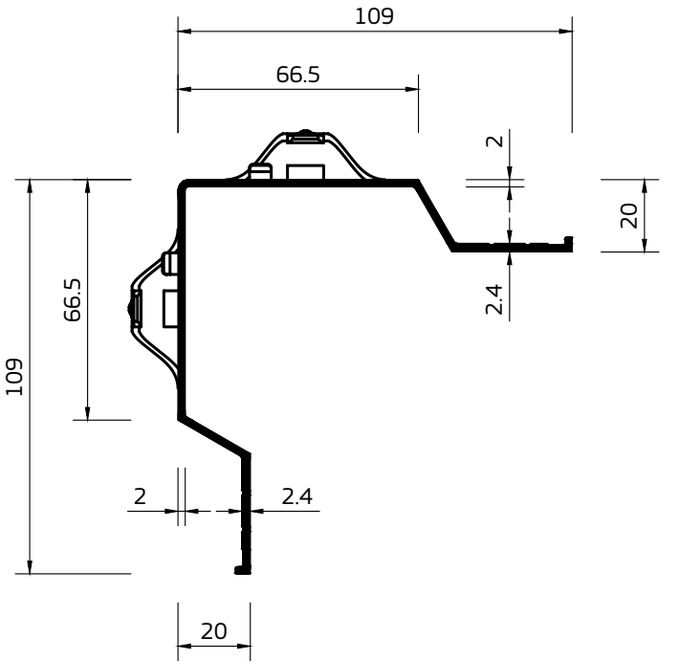
Material: AW 6063 T5

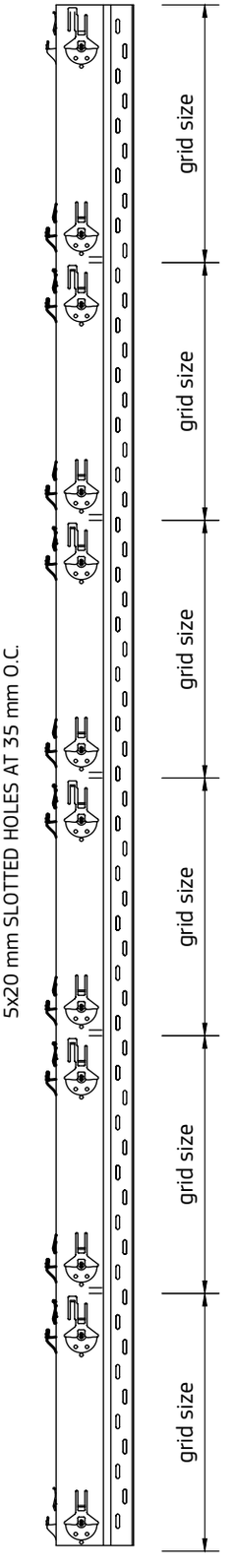
Article No	Description	Finish	Weight
03.127.xx.XXX	F-127Q Omega rail, single	bright	995 g/m

xx - grid size, XXX - rail length



SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

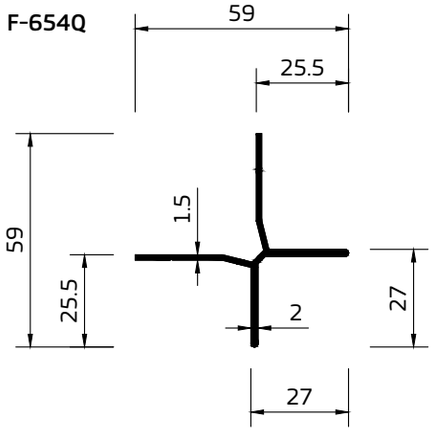
Material: AW 6063 T5

Article No	Description	Finish	Weight
03.633.xx.XXX	F-633Q Omega rail, external angle	bright	1356 g/m

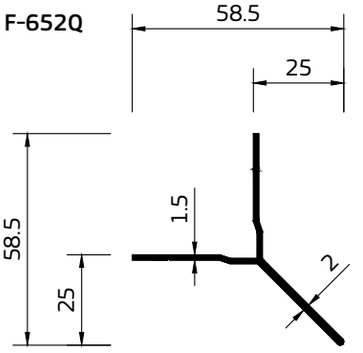
xx - grid size, XXX - rail length

SYSTEM COMPONENTS

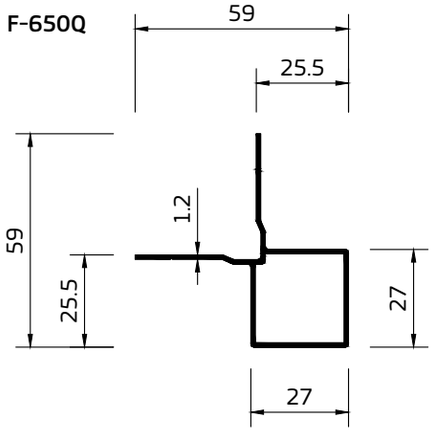
F-654Q

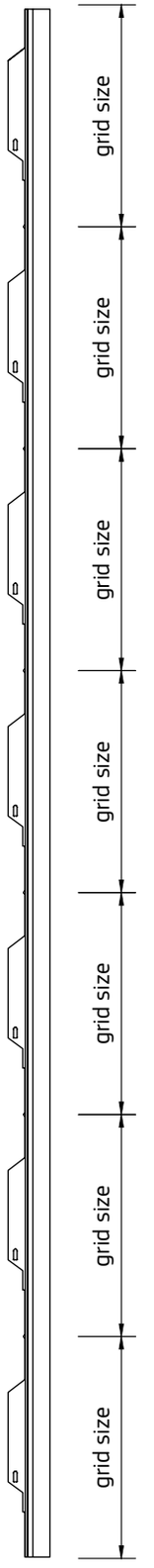


F-652Q



F-650Q





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

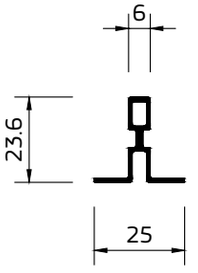
Material: AW 6063 T66

Article No	Description	Finish	Weight
03.654.xx.XXXP	F-654Q Negative rail, external angle	painted black	526 g/m
03.652.xx.XXXP	F-652Q Sword rail, external angle		459 g/m
03.650.xx.XXXP	F-650Q Square rail, external angle		543 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS



Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

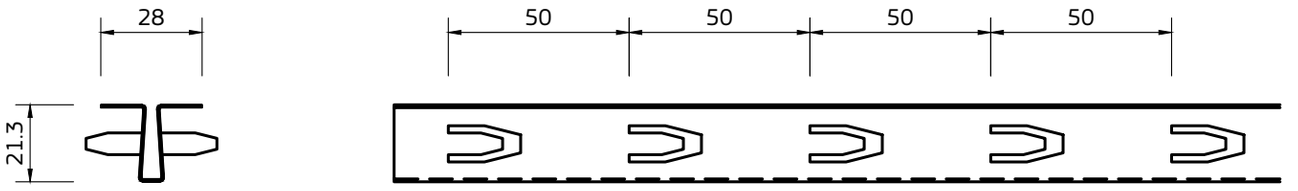
MATERIAL: AW 6063 T66

Article No	Description	Finish	Weight
03.640.xx.XXX	F-640Q Joint rail	painted black	227 g/m

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS

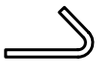


Standard length 1496 mm.
Other lengths on request.

MATERIAL: AW 5754 H22

Article No	Description	Finish	Weight
647	F-647 Plug-in joint rail	painted black	152 g/m

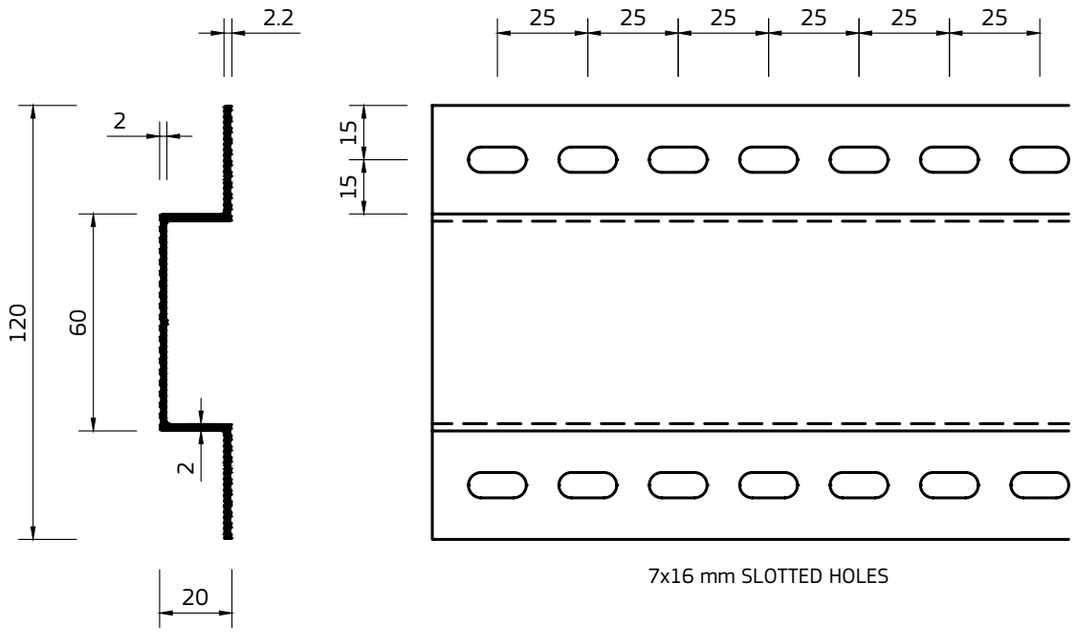
xxx - rail length



MATERIAL: AW 5754 H22

Article No	Description	Finish	Weight
645	F-645 Joint spacer	painted black	2 g/pc

SYSTEM COMPONENTS



7x16 mm SLOTTED HOLES

Material: AW 6063 T66

Article No	Description	Finish	Weight
03.697.xxx	HAT profile 120/60x20	unpainted	829 g/m
03.697.xxxP	HAT profile 120/60x20	painted black	
03.697.631.xxx	HAT profile 120/60x20, slotted holes	unpainted	
03.697.631.xxxP	HAT profile 120/60x20, slotted holes	painted black	

xxx - profile lenght

Other colors on request.

QV3

CERAMIC PANELS K20 OMEGA-S RAINSCREEN SYSTEM

Q-VENT

LEGEND

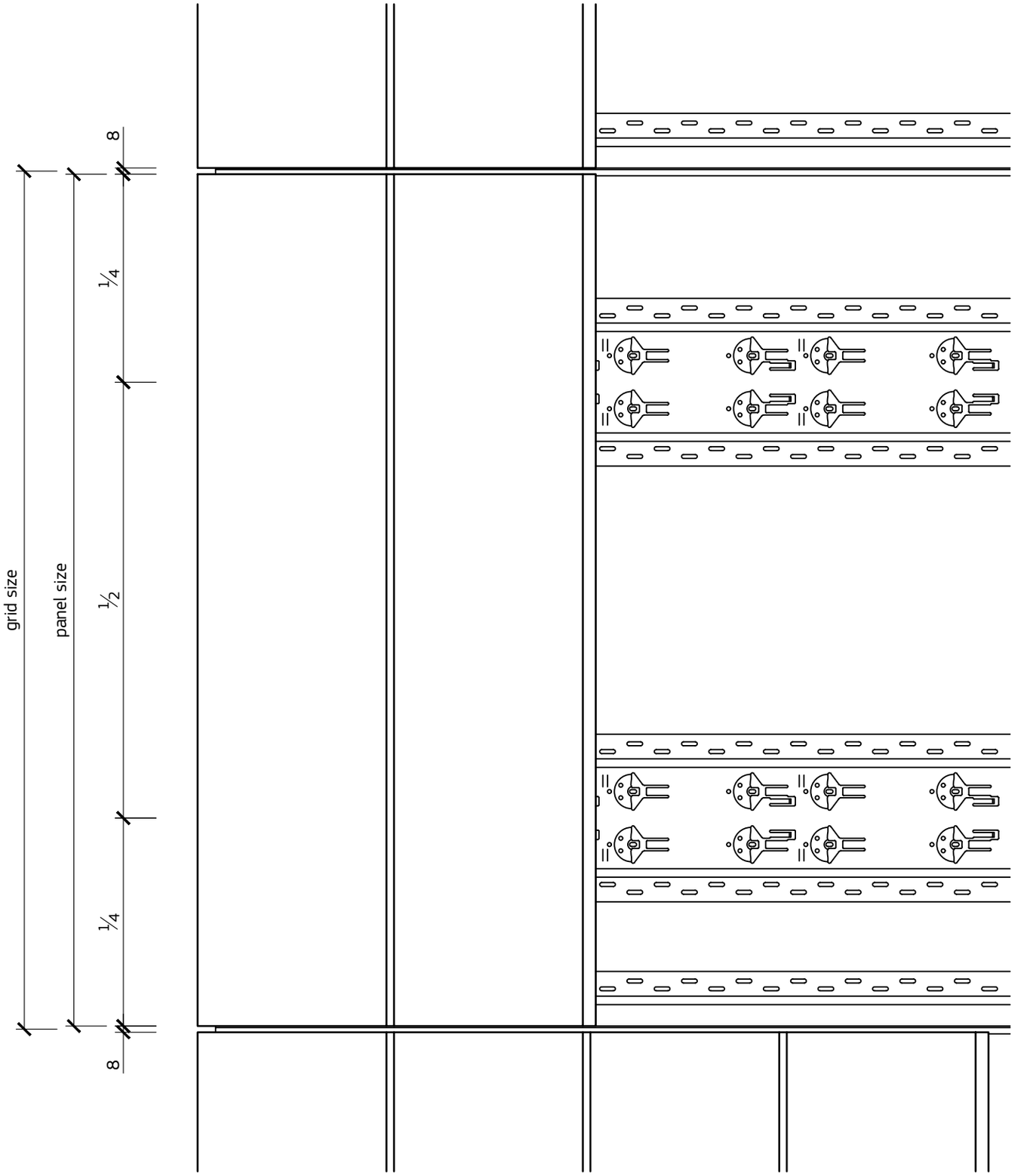
1. CERAMIC PANEL AGROB BUCHTAL KeraTwin K20
2. F-627Q OMEGA RAIL, BRIGHT *art.No 03.627.xx.XXX*
3. F-710Q OMEGA-S SUPPORTING PROFILE, PAINTED *art.No 03.710.xxx*
4. F-711Q POSITION SECURING BRACKET *art.No 03.711*
5. F-688Q JOINT PROFILE *art.No 03.688.xxx*
6. F-689 HOLDING CLIP FOR JOINT PROFILE *art.No 689*
7. F-650Q SQUARE RAIL, EXTERNAL ANGLE *art.No 03.650.xx.XXXP*
8. F-652Q SWORD RAIL, EXTERNAL ANGLE *art.No 03.652.xx.XXXP*
9. F-654Q NEGATIVE RAIL, EXTERNAL ANGLE *art.No 03.654.xx.XXXP*
10. PROFILE T130x55x2 *art.No 01.2.130552.xxx*
11. WALL BRACKET QVB 100/160, FIXED POINT *art.No 02.100.160.10*
12. WALL BRACKET QVB 100/70, SLIDING POINT *art.No 02.100.70.10*
13. THERMO-PAD 160x59 *art.No 05.59.160*
14. THERMO-PAD 70x59 *art.No 05.59.70*
15. SELF-DRILLING SCREW Ø4.8x16 mm, A2
16. SELF-DRILLING SCREW Ø4.8x16 mm, Pan head, A2
17. FASTENER
18. CONCRETE / MASONRY WALL
19. INSULATION
20. WINDOW SYSTEM
21. METAL TRIM / FLASHING / COPING
22. PERFORATED METAL TRIM

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

QV3 CERAMIC PANELS K20 OMEGA-S RAINSCREEN SYSTEM

GENERAL INSTALLATION DIAGRAM



10/2018

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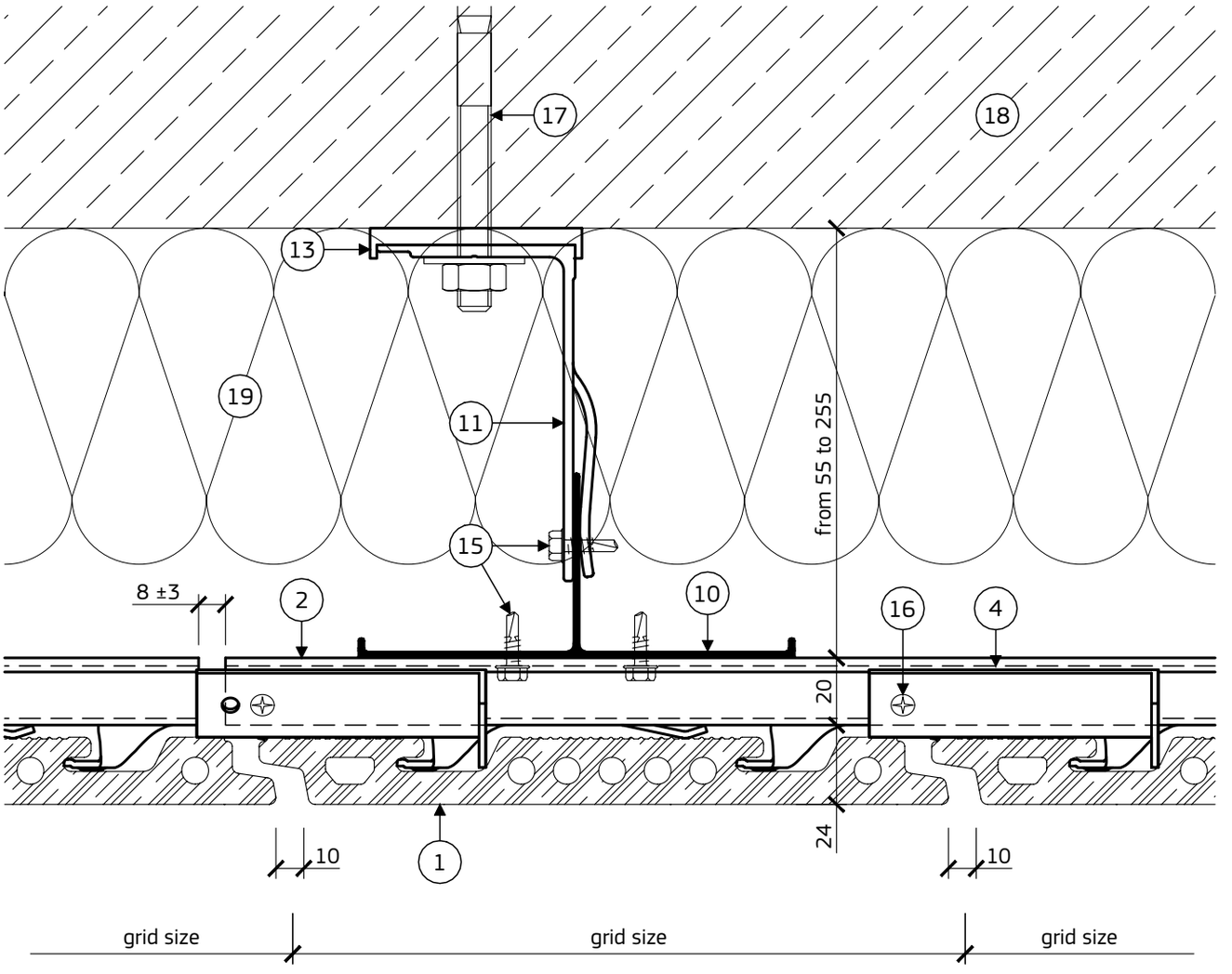
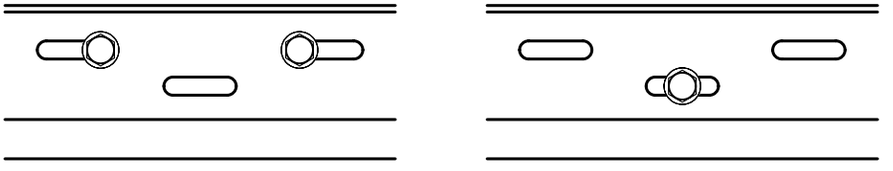
1.1 PLAN DETAIL





FIXED POINT
(one per rail)

SLIDING POINT

The supporting rail and F-627Q omega rails should be fixed at mid-length (fixed point) and allowed to expand toward the ends using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

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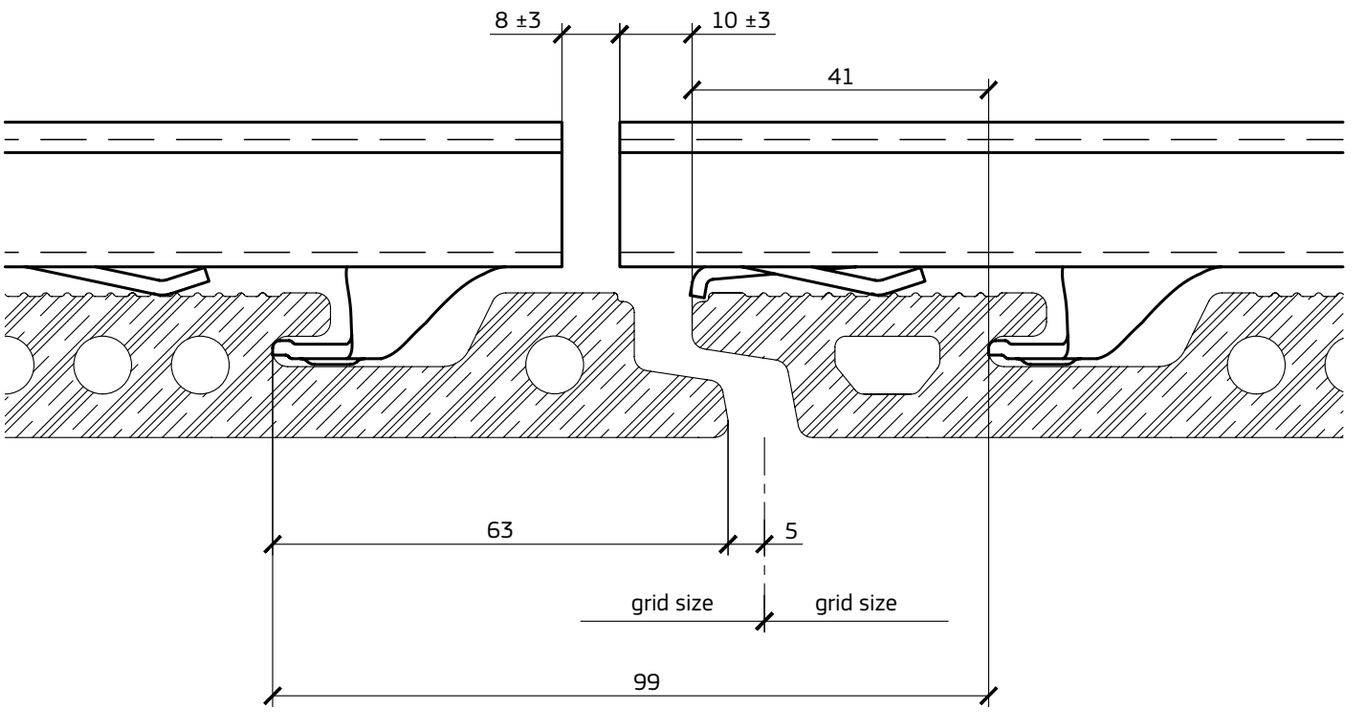
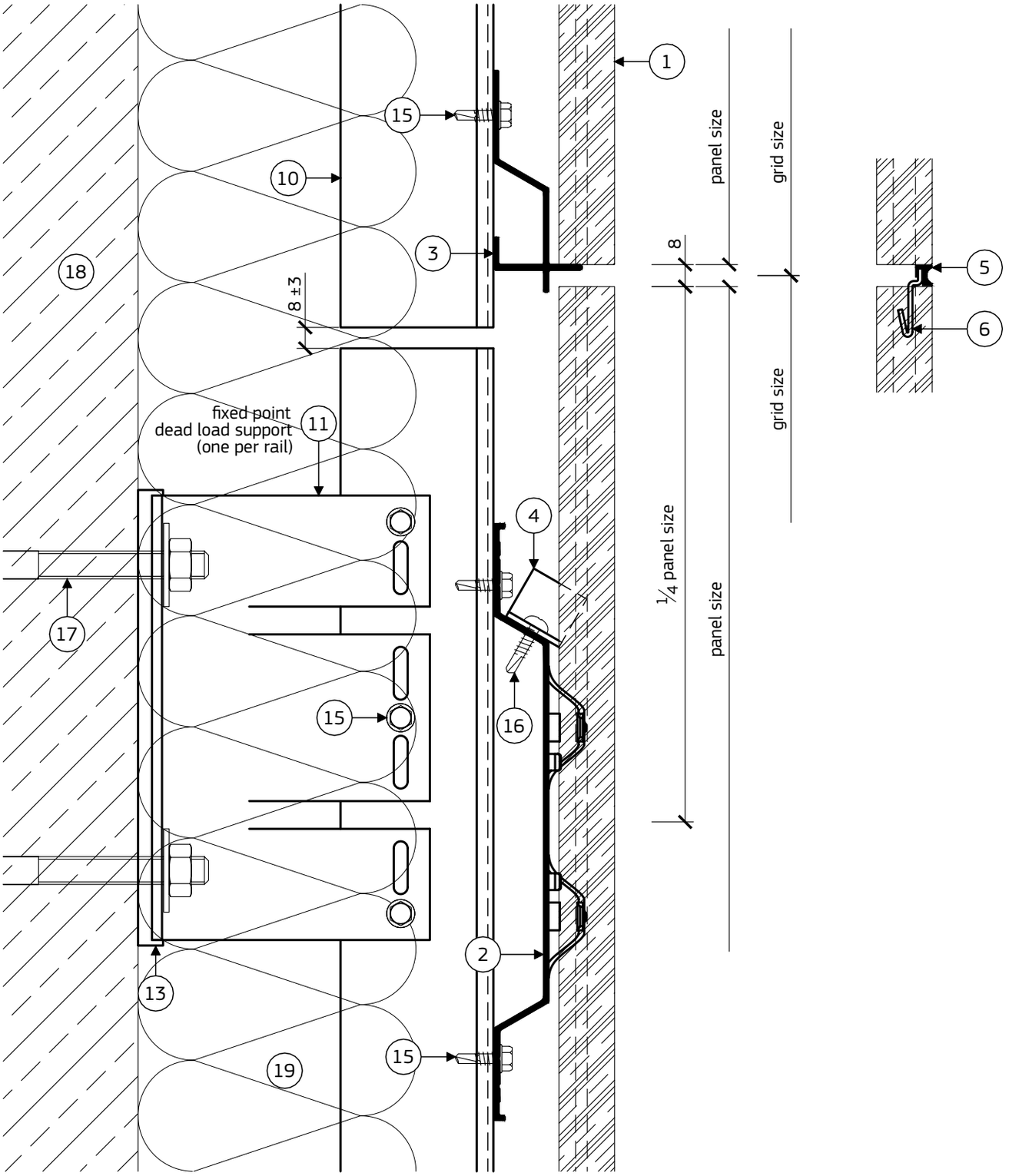
1.2 PLAN DETAIL - VERTICAL JOINT



During the installation as a reference point must be used the upper edge of the hooks.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

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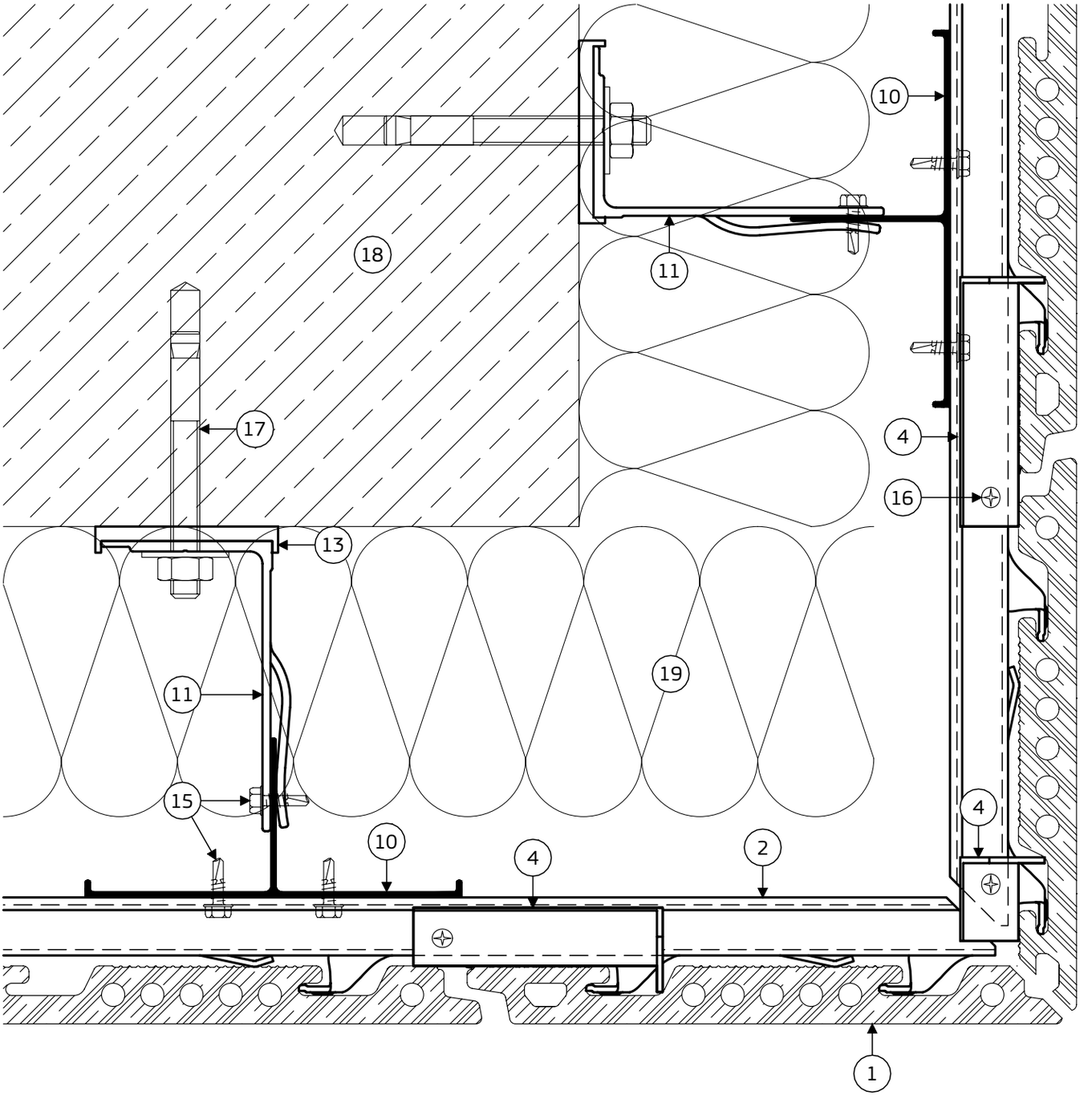
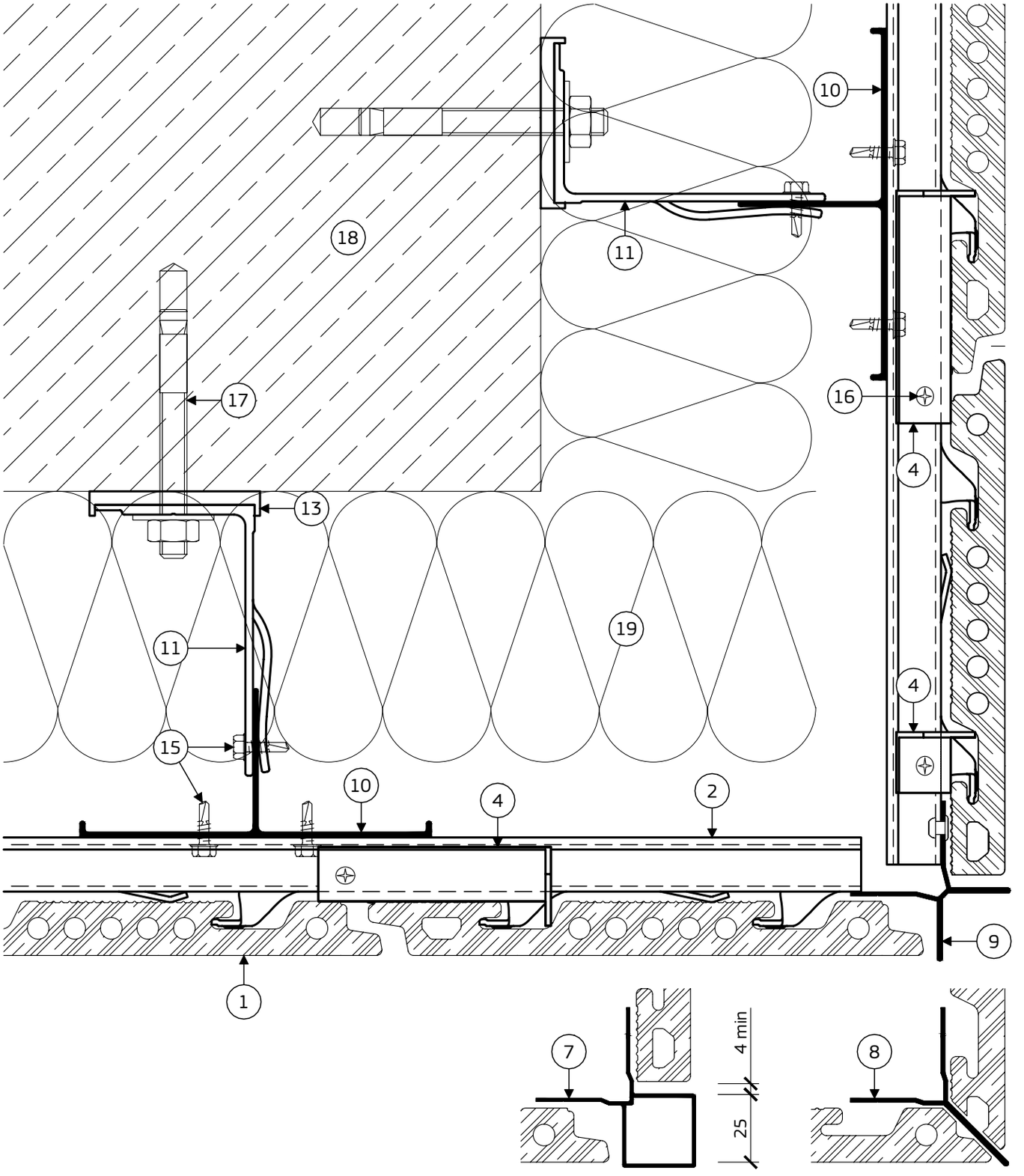
3.1 PLAN DETAIL - OUTSIDE CORNER



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.2 PLAN DETAIL - OUTSIDE CORNER



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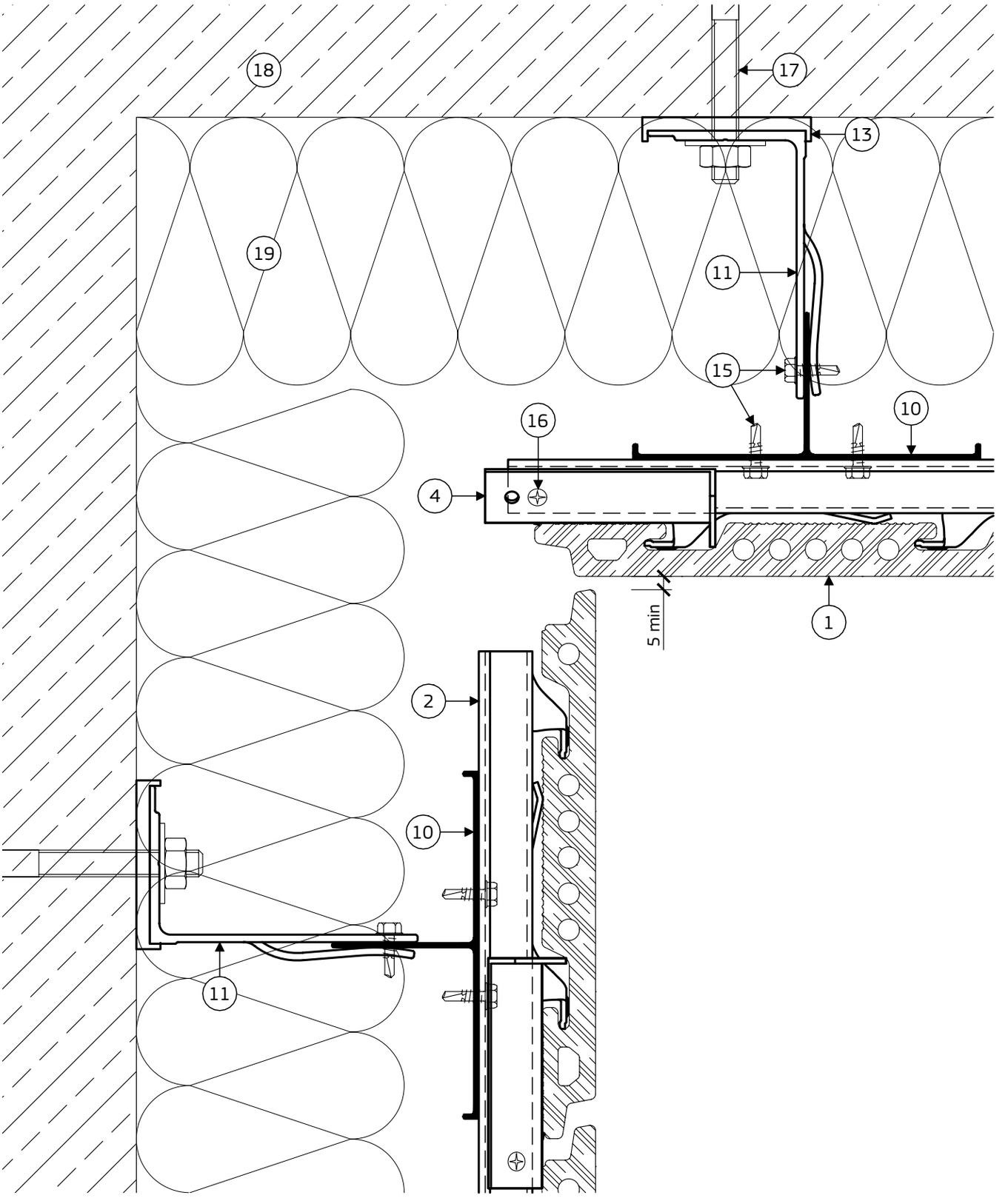
4.1 PLAN DETAIL - INSIDE CORNER



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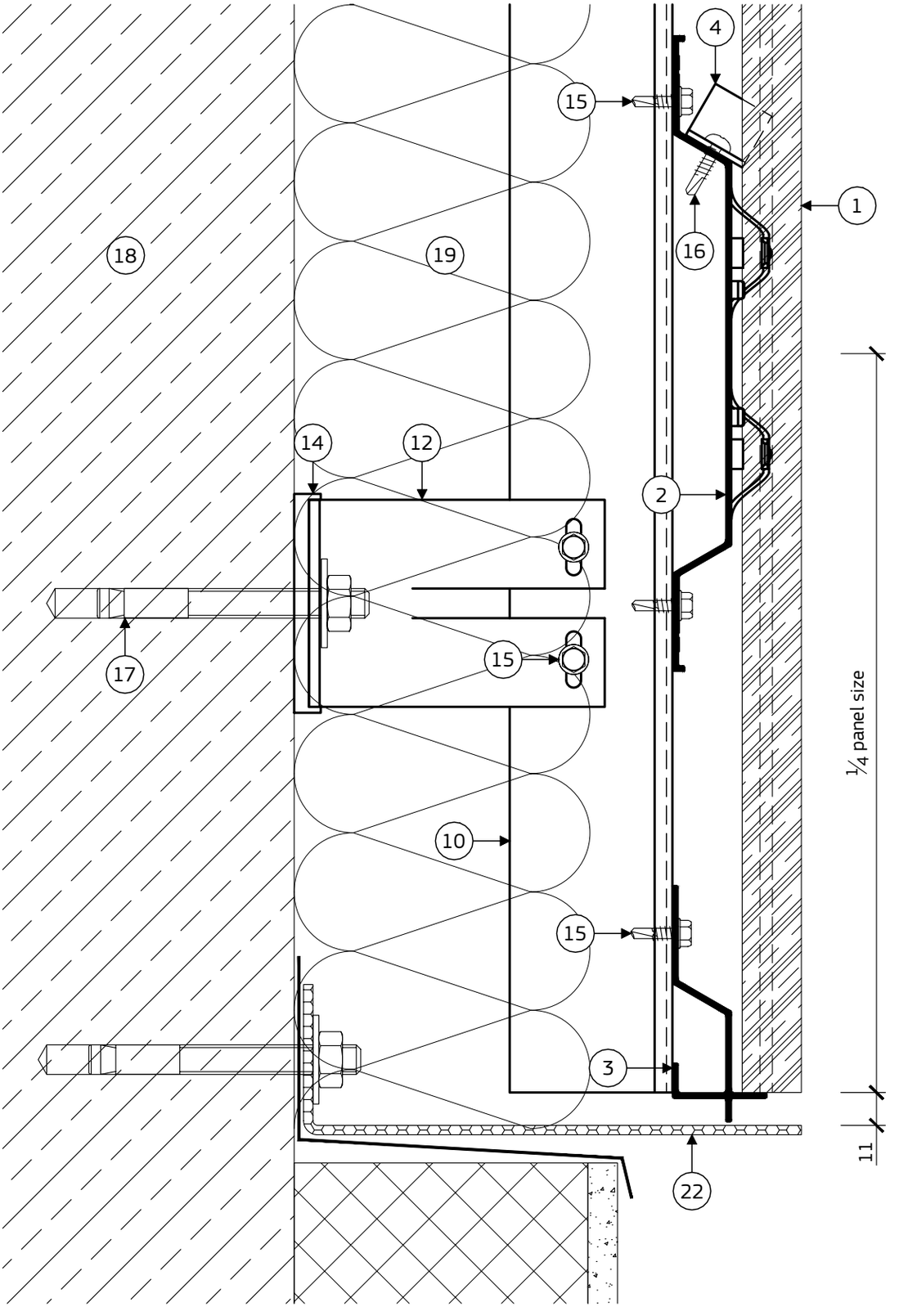
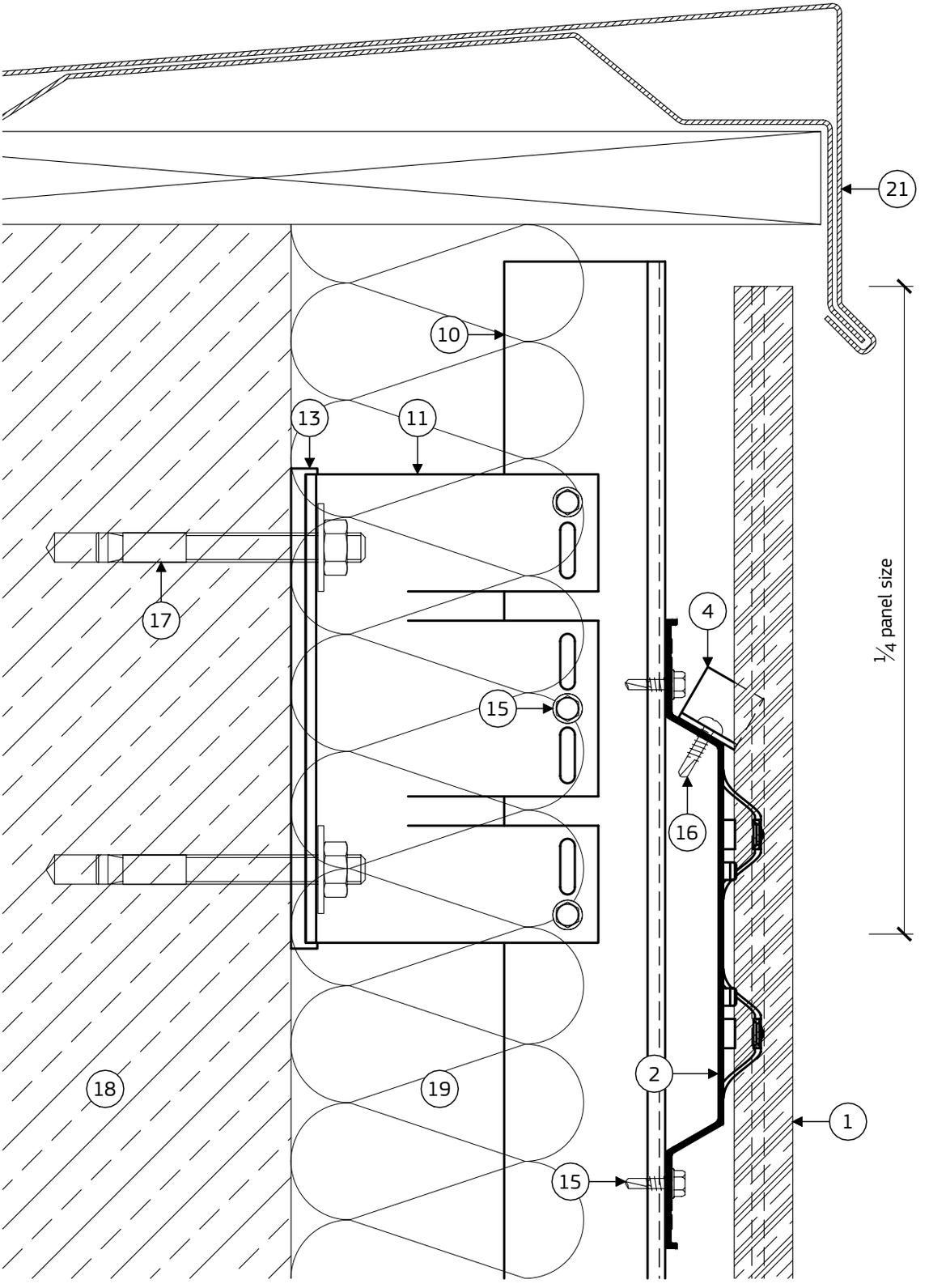
5.1 SECTION DETAIL - BASE



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



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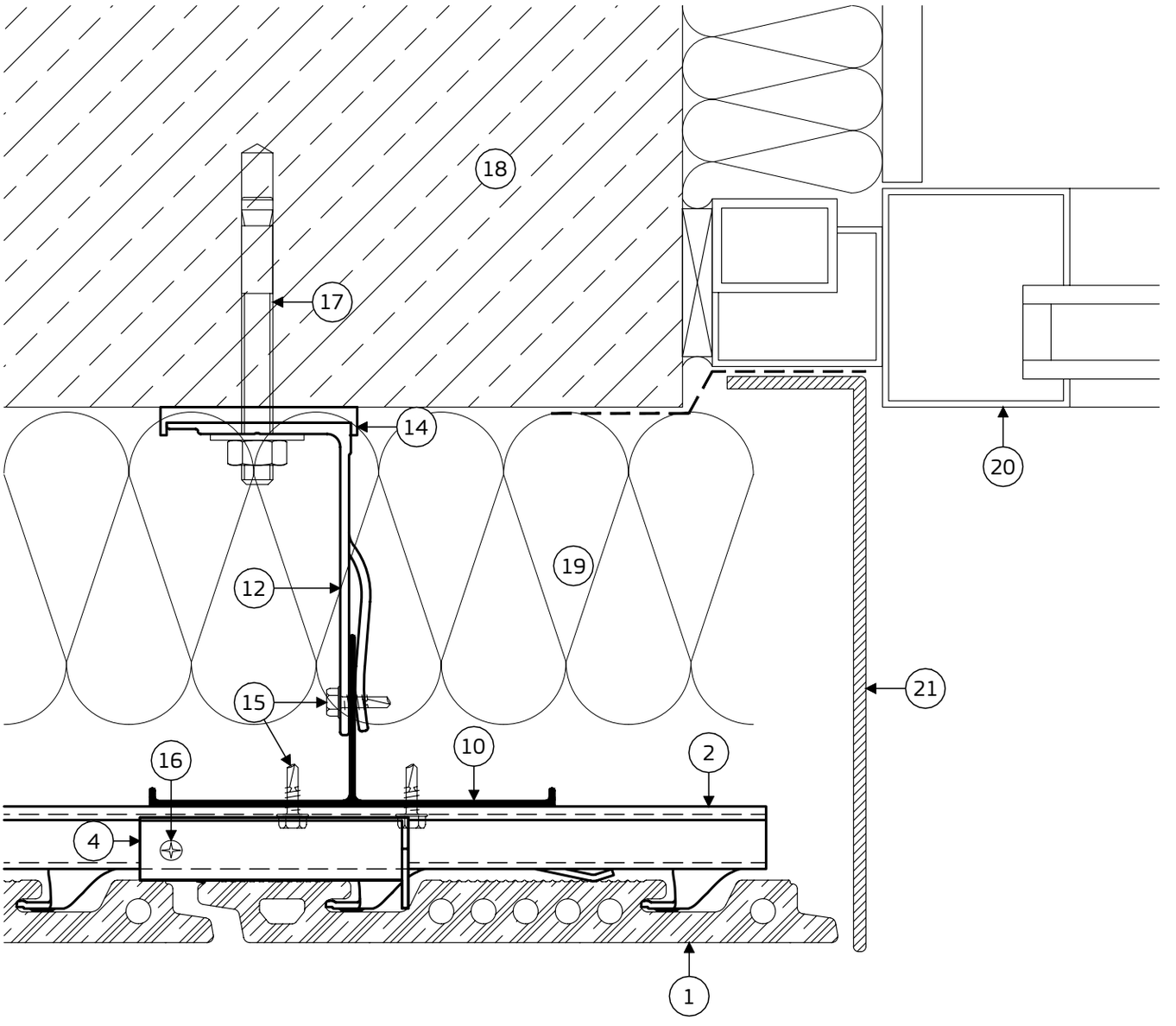
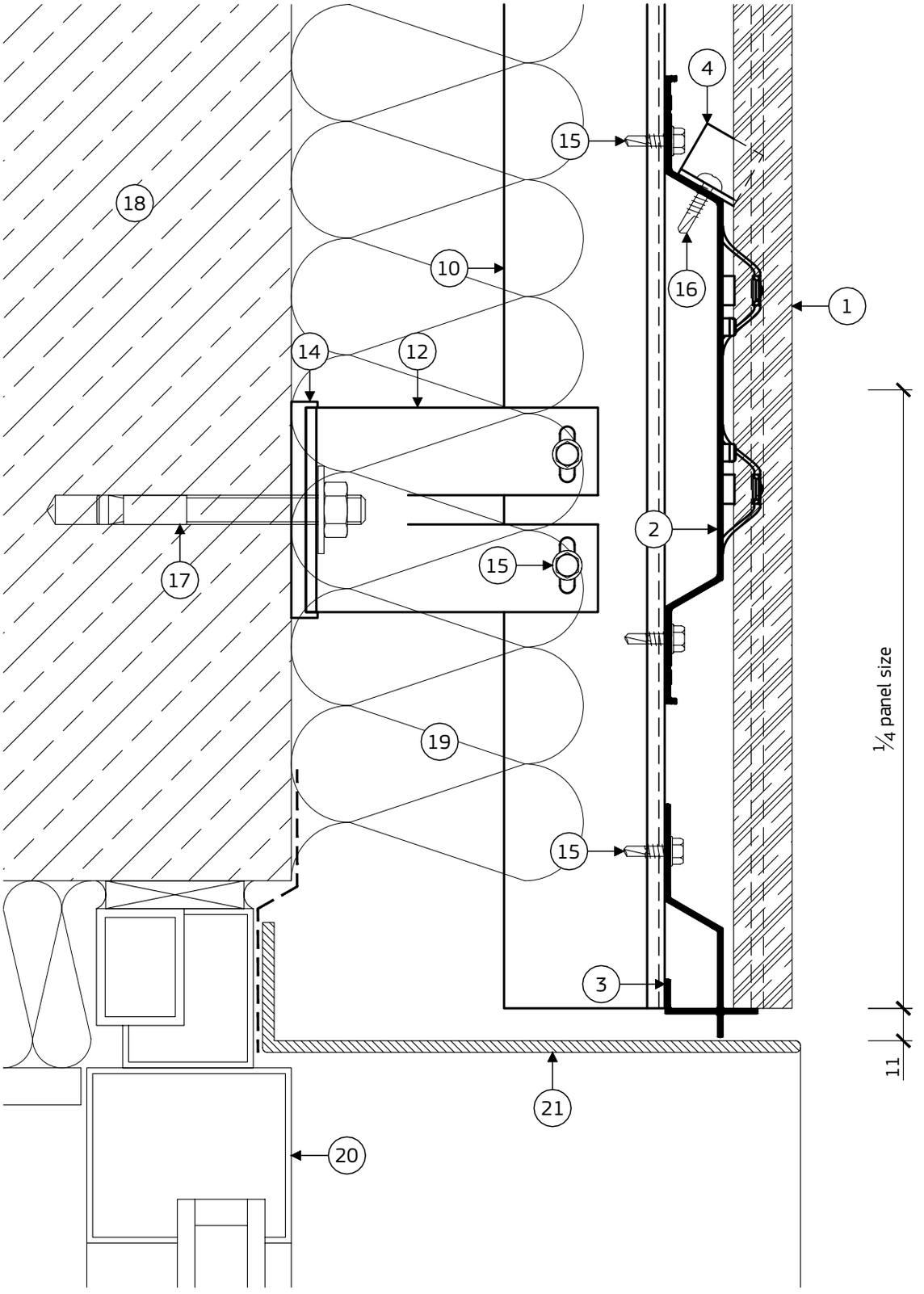
7.1 PLAN DETAIL - WINDOW JAMB



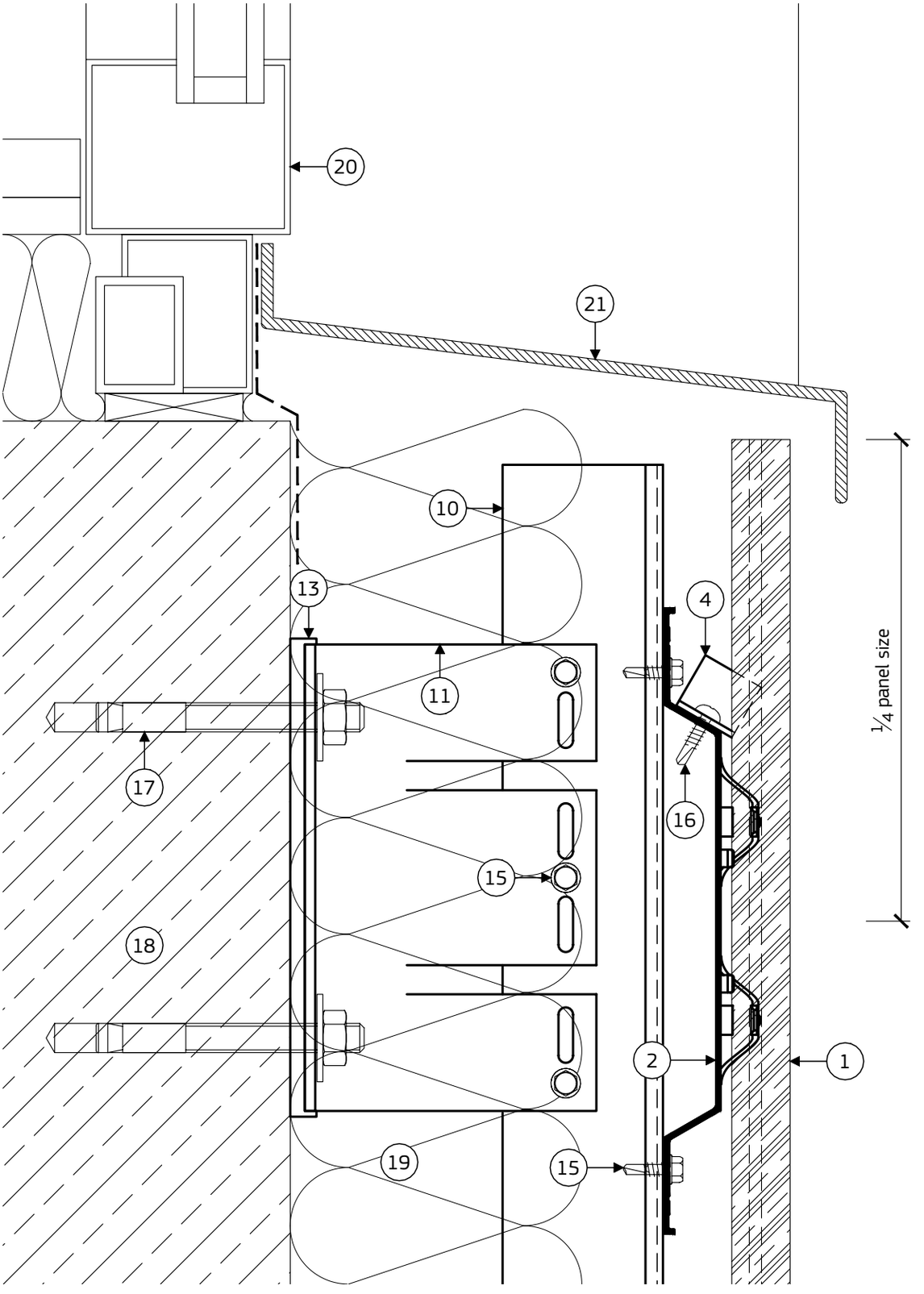
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



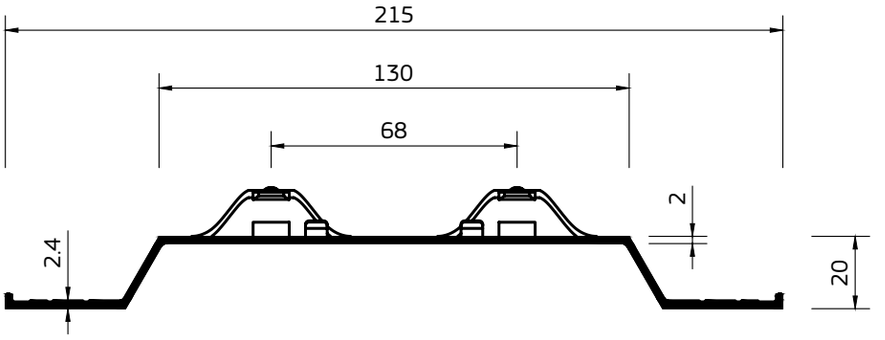
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

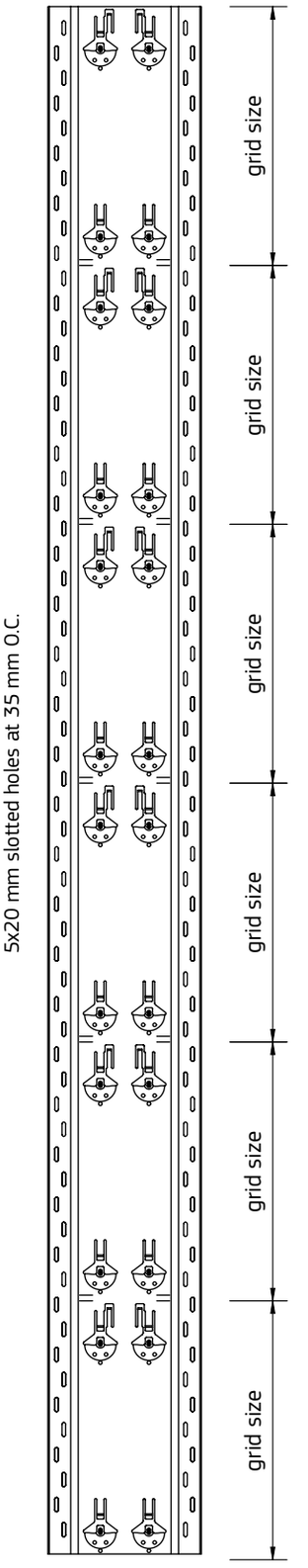
9.1 SECTION DETAIL - WINDOW SILL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS





Available for panel grid of 200 mm up to 600 mm.
Non-standard and mixed grids on request.

Refer to table T.3 for standard profile lengths.
Other lengths on request.

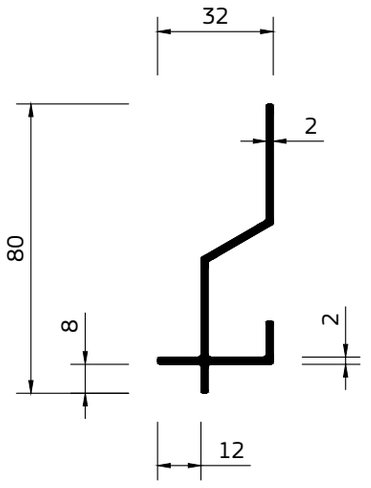
Material: AW 6063 T5

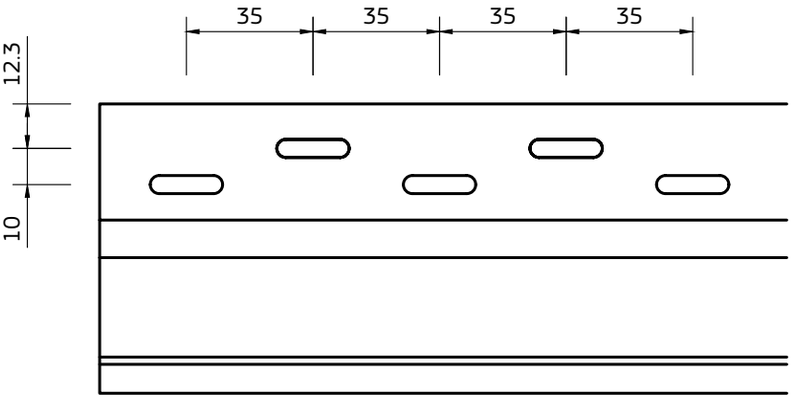
Article No	Description	Finish	Weight
03.627.xx.XXX	F-627Q Omega rail	bright	1356 g/m
03.624.xx.XXX	F-624Q Omega rail	painted black	

xx - grid size, XXX - rail length

Other colors on request.

SYSTEM COMPONENTS





5x20 mm SLOTTED HOLES

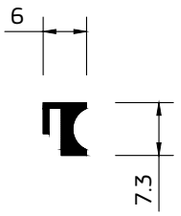
Material: AW 6063 T6

Article No	Description	Finish	Weight
03.710.xxx	F-710Q Omega-S supporting profile	painted black	702 g/m

xxx - rail length

Other colors on request.

SYSTEM COMPONENTS



Material: AW 6063 T66

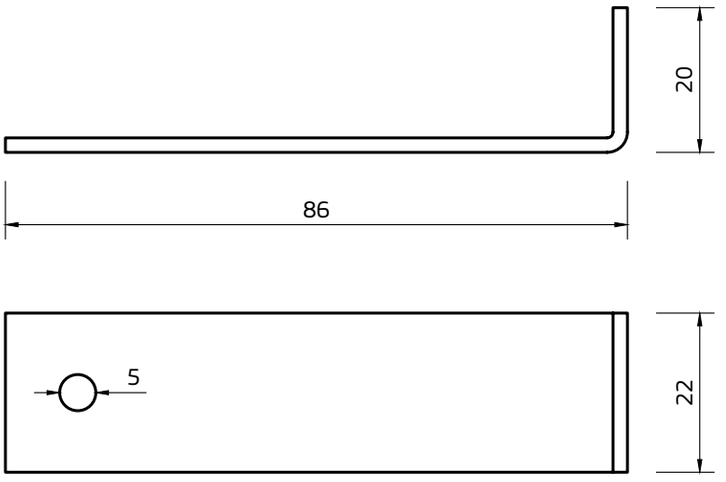
Article No	Description	Finish	Weight
03.688.xxx	F-688Q Joint profile	painted black	61 g/m

xxx - rail length

Other colors on request.

Material: AW 5005 A

Article No	Description	Finish	Weight
689	F-689 Holding clip for joint profile	unpainted	2 g/pc



Material: AW 5754 H22

Article No	Description	Finish	Weight
03.711	F-711Q Position securing bracket	unpainted	14 g/pc

QV6.2

FLAT PANELS CONCEALED RAINSCREEN SYSTEM

LEGEND

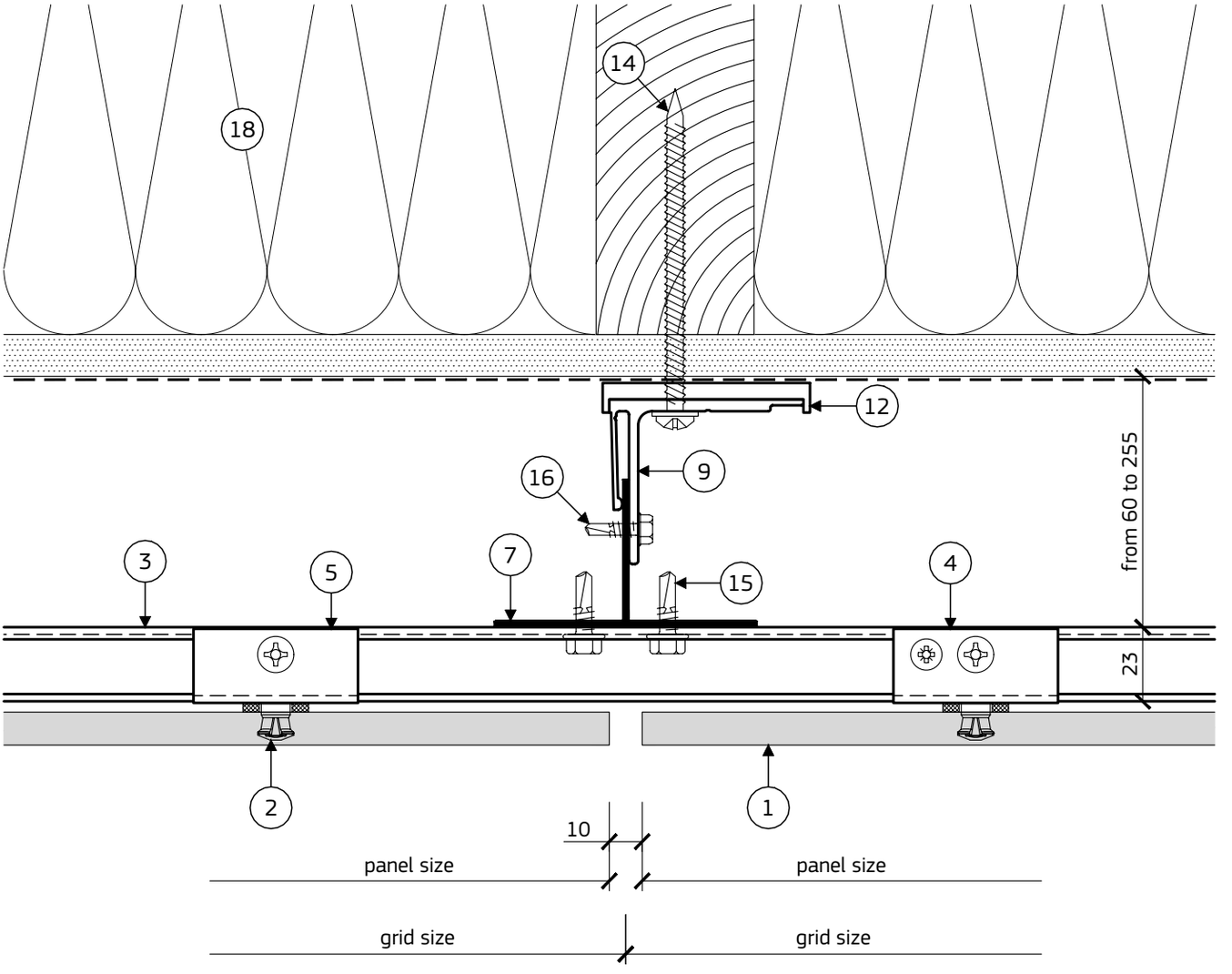
1. FLAT PANEL
2. UNDERCUT ANCHOR fischer FZP II
3. HORIZONTAL RAIL, SLOTTED HOLES *art.No 06.2.631.xxx*
4. ADJUSTABLE HANGER FIXED POINT, M8, SET *art.No 06.201.8.50*
5. ADJUSTABLE HANGER SLIDING POINT, M8, SET *art.No 06.202.8.50*
6. HANGER SLIDING POINT, M8. *art.No 06.203.8.50*
7. PROFILE T80x45x2 *art.No 01.2.80452.xxx*
8. PROFILE L66x55x2 *art.No 01.1.66552.xxx*
9. WALL BRACKET QVB 50/160, FIXED POINT *art.No 02.50.160.63*
10. WALL BRACKET QVB 50/70, SLIDING POINT *art.No 02.50.70.63*
11. WALL BRACKET QVB 150/70, SLIDING POINT *art.No 02.150.70.63*
12. THERMO-PAD 160x59 *art.No 05.59.160*
13. THERMO-PAD 70x59 *art.No 05.59.70*
14. SCREW
15. SELF-DRILLING SCREW Ø6.3x19 mm, A2
16. SELF-DRILLING SCREW Ø4.8x16 mm, A2
17. RIVET Ø4.8x18 mm, HEAD 16 mm, PAINTED
18. STUD WALL
19. WINDOW SYSTEM
20. METAL TRIM / FLASHING / COPING
21. PERFORATED ALUMINUM SHEET

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

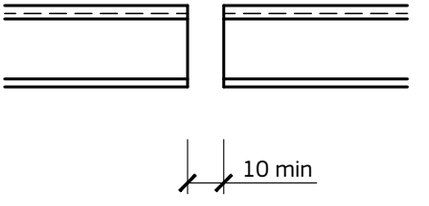
Q-VENT

QV6.2 FLAT PANELS CONCEALED RAINSCREEN SYSTEM

1.1 PLAN DETAIL

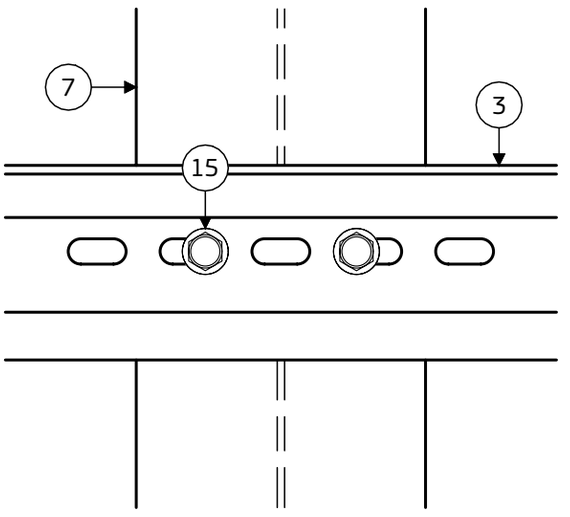


HORIZONTAL RAILS' JOINT

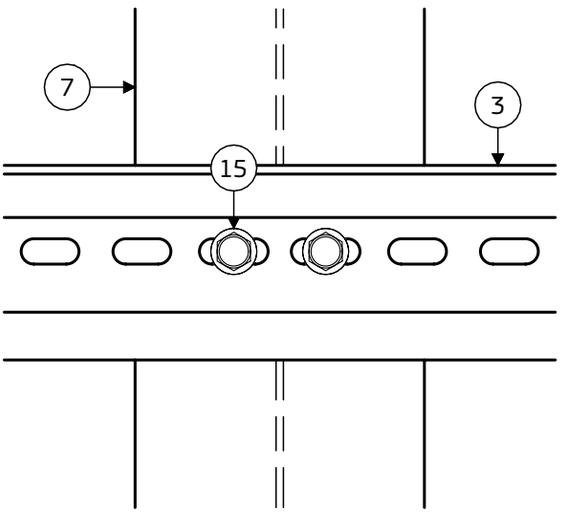


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

INSTALLATION DIAGRAM



FIXED POINT
(one per rail)

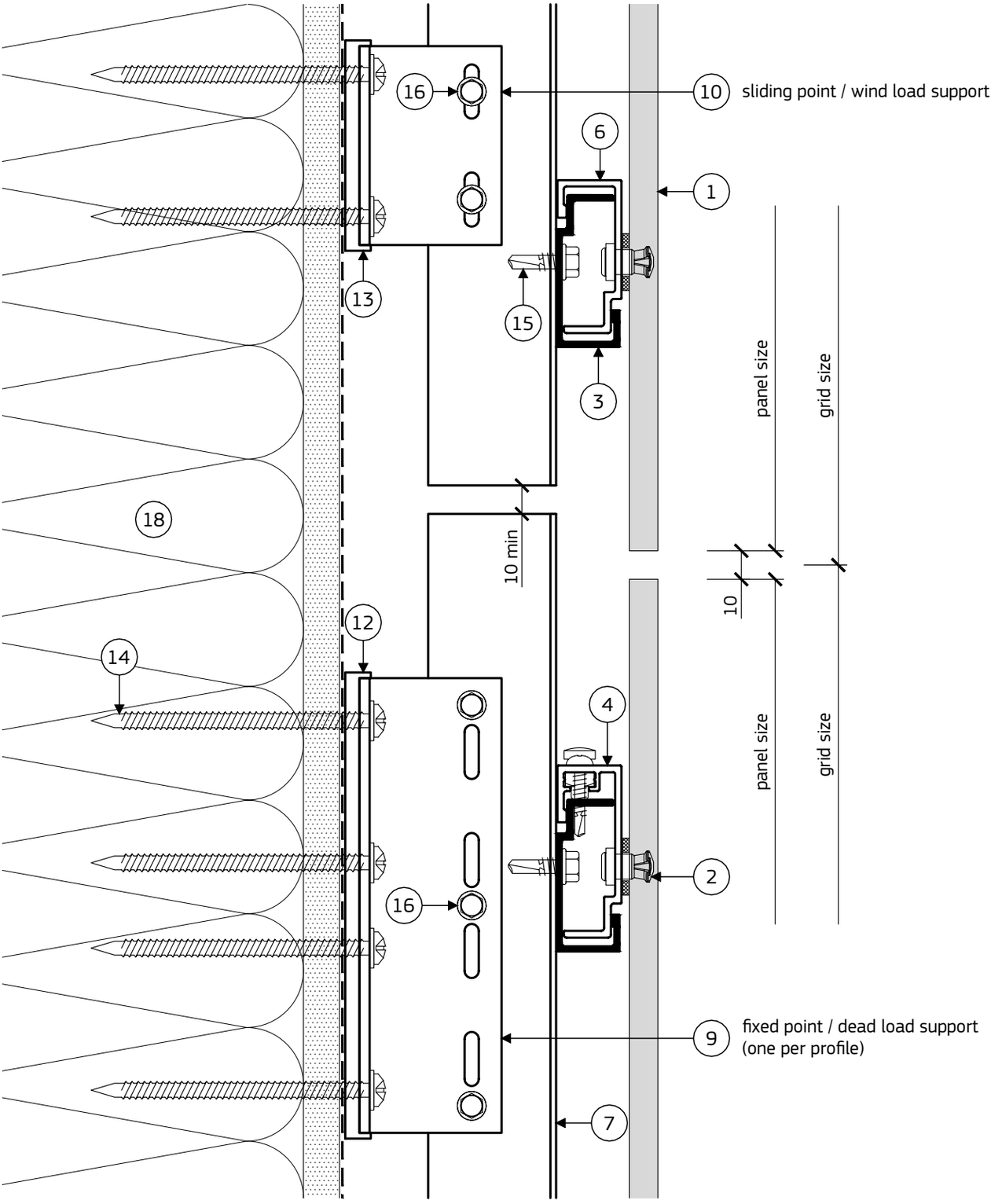


SLIDING POINT

The rails should be fixed at mid-length (fixed point) and allowed to expand toward the ends using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

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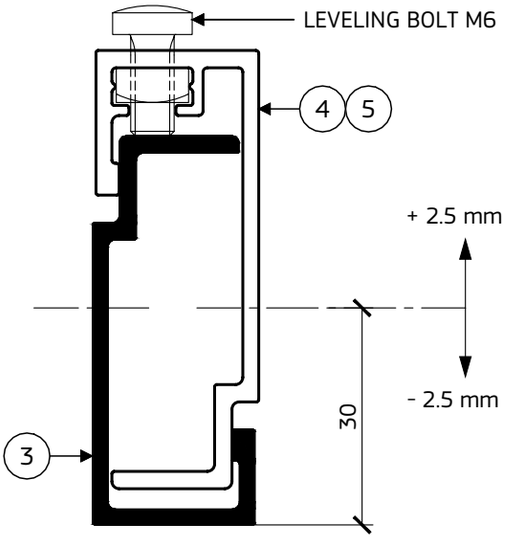
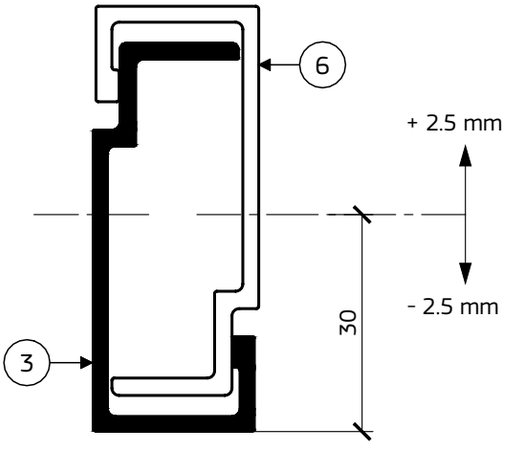
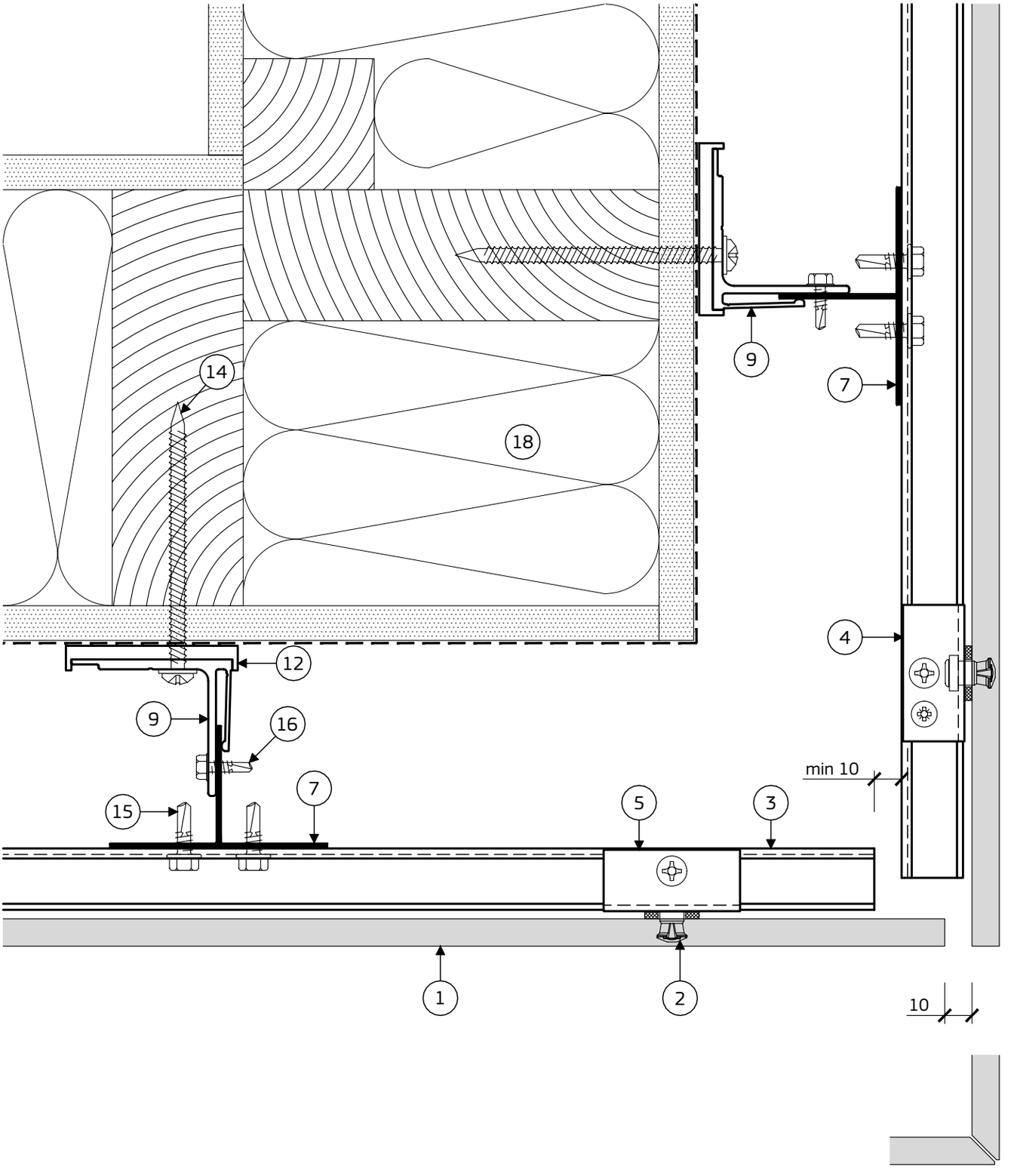
INSTALLATION DIAGRAM





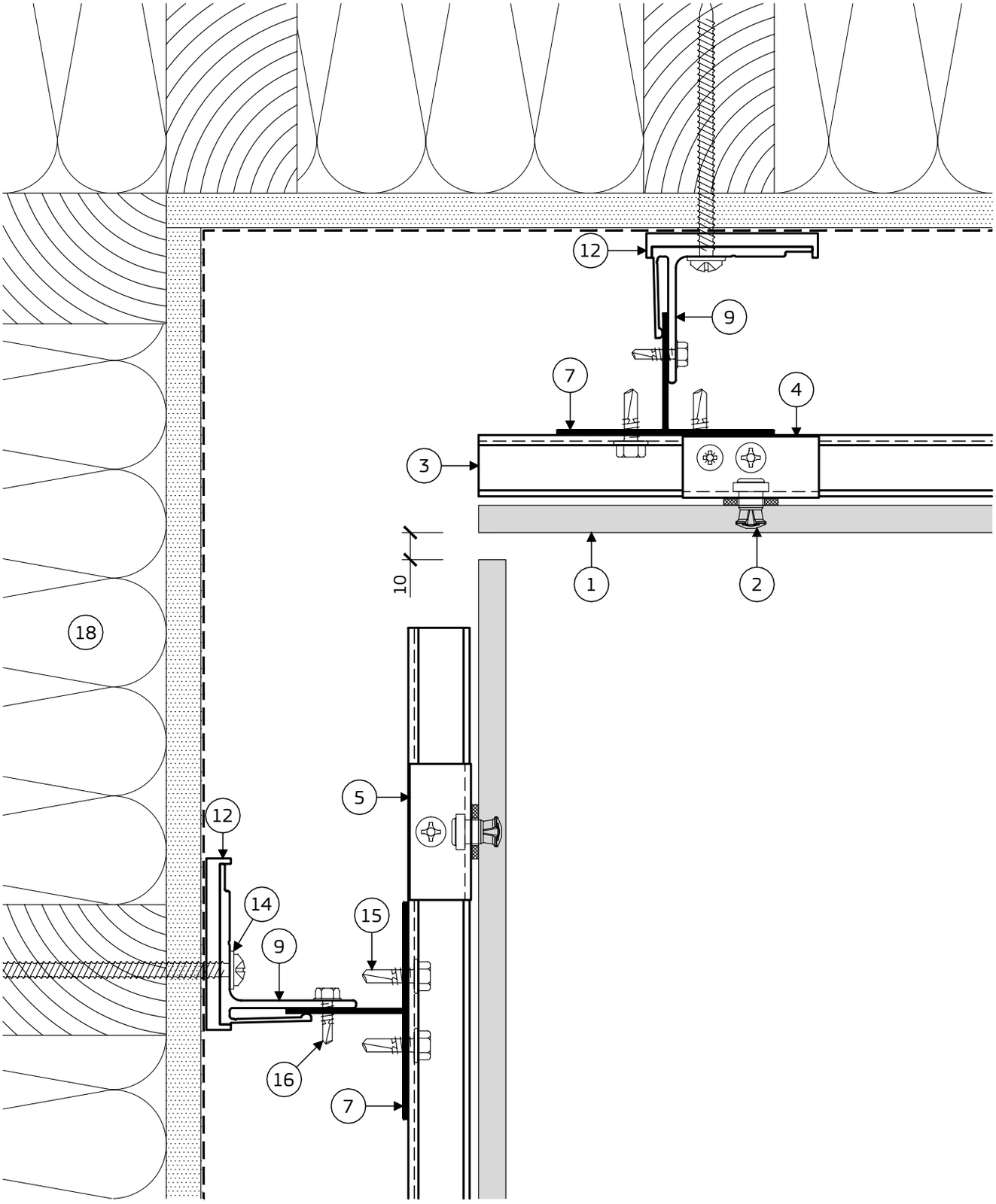
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.1 PLAN DETAIL - OUTSIDE CORNER



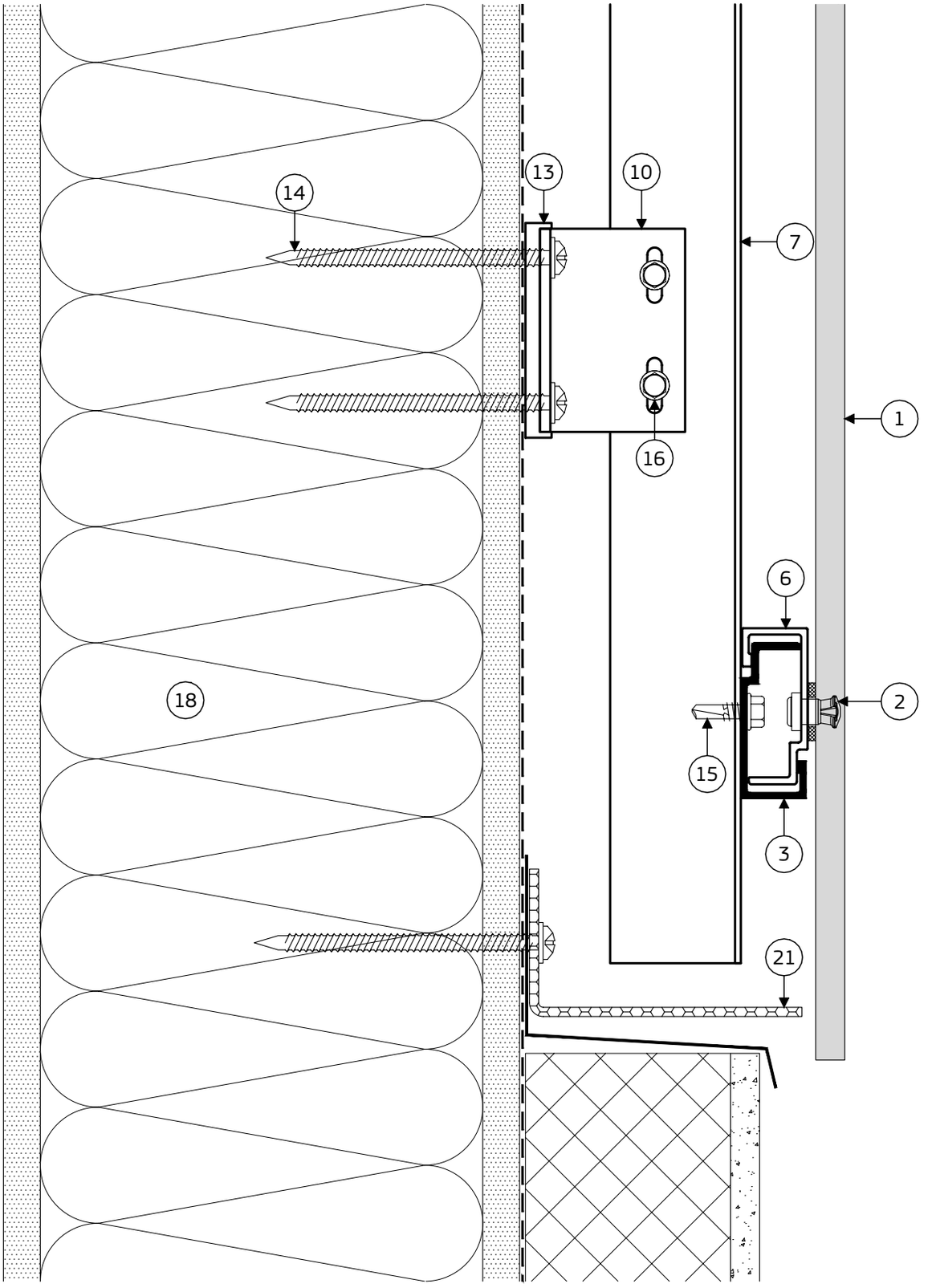
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



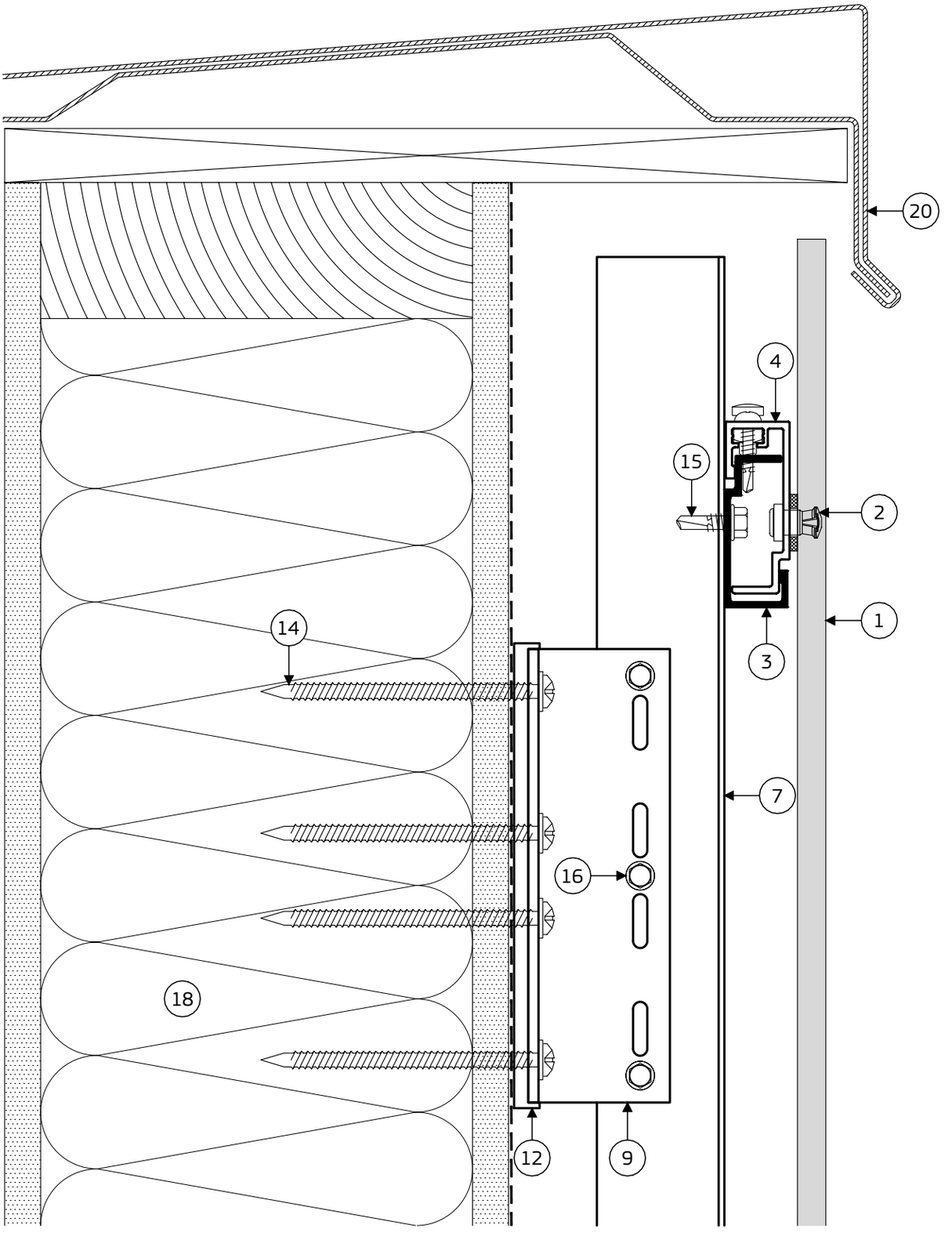
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



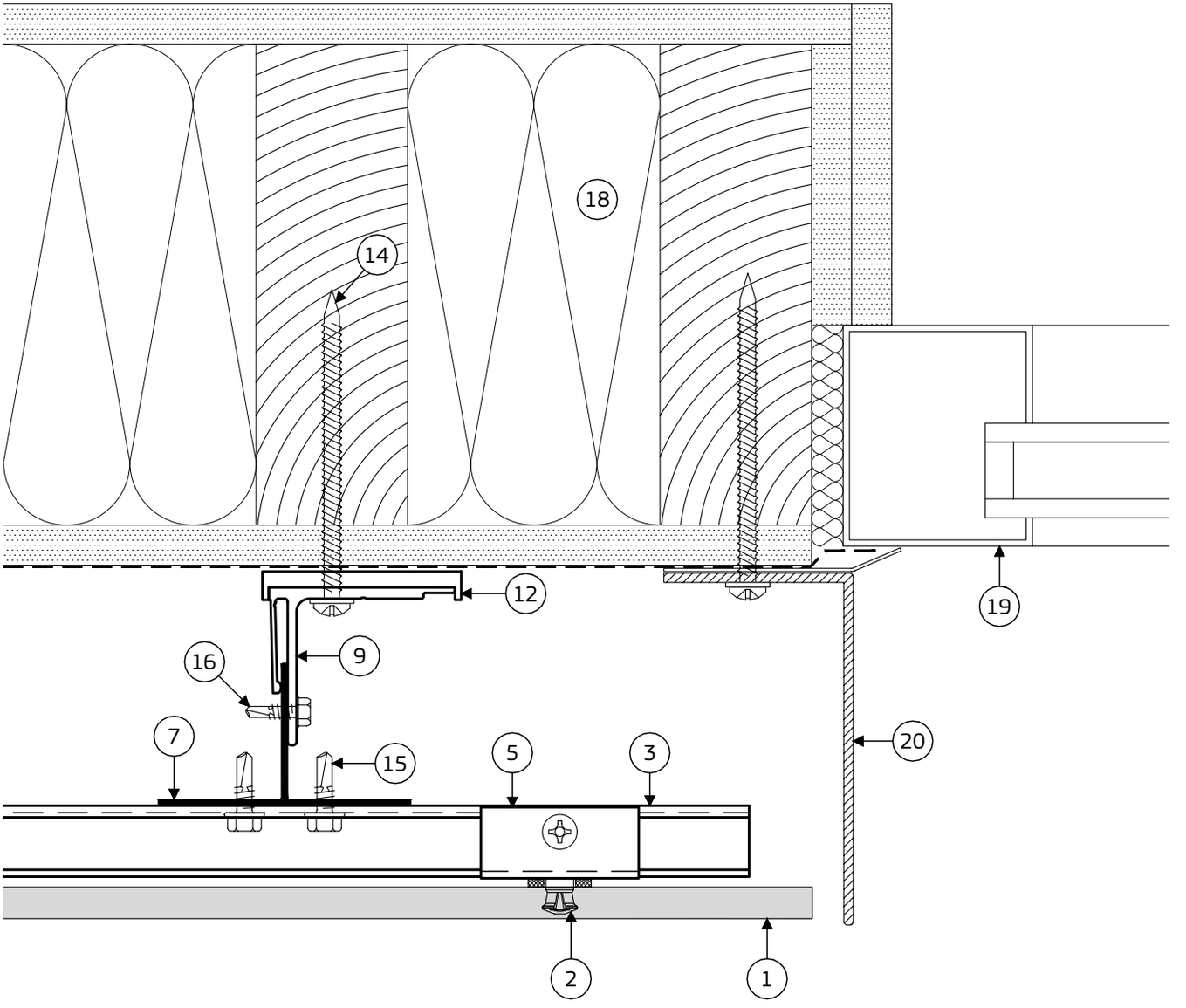
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



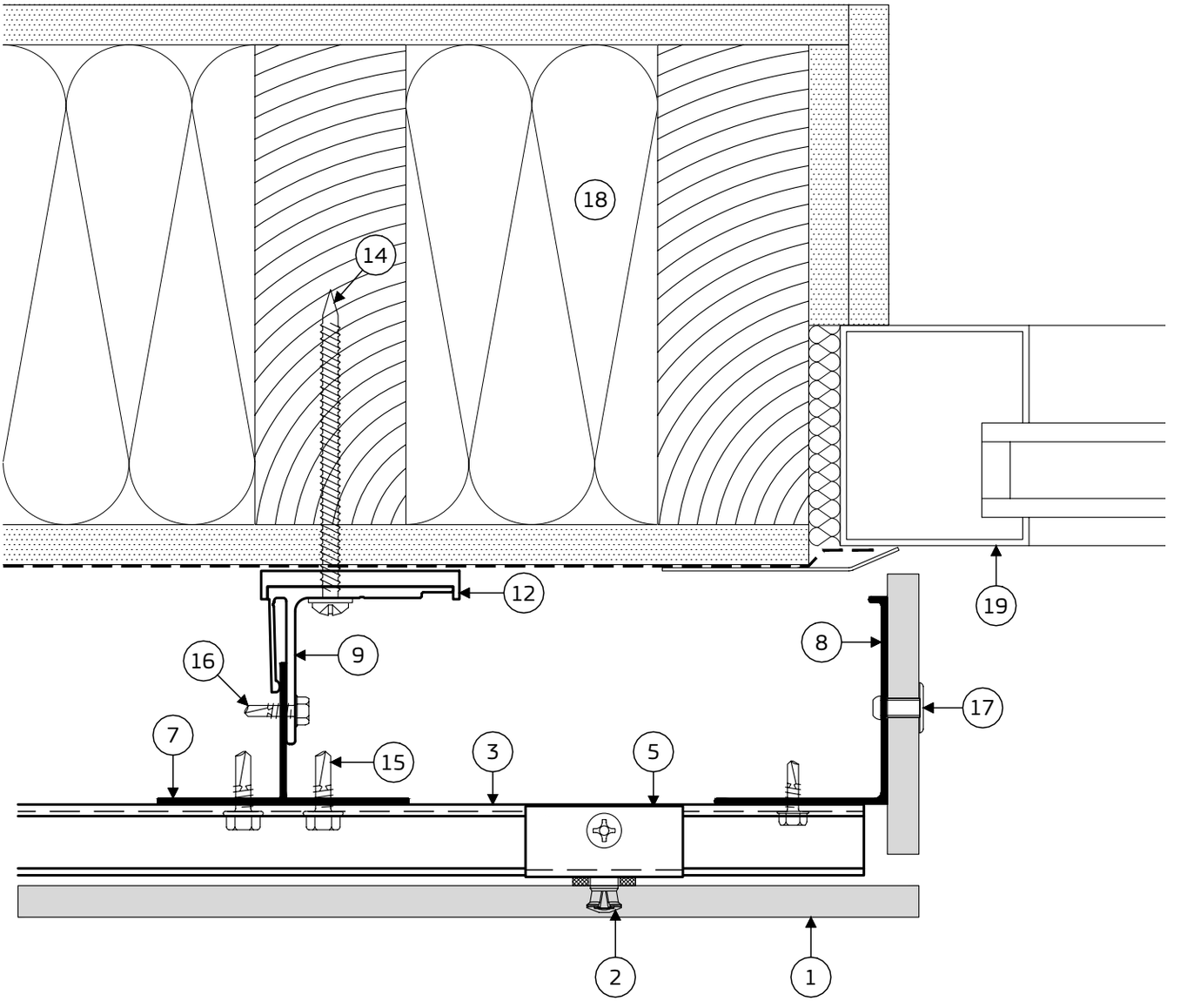
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



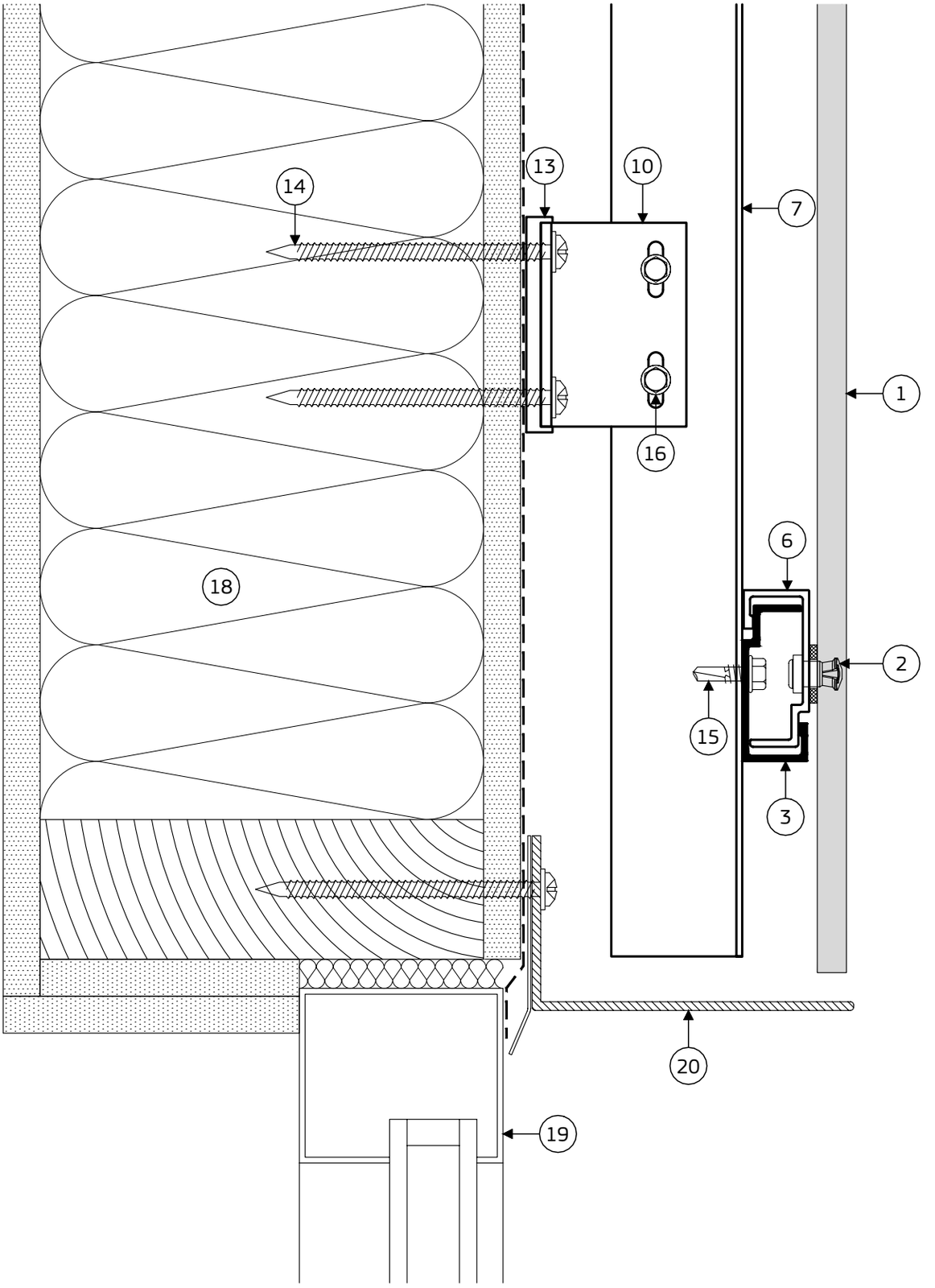
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.2 PLAN DETAIL - WINDOW JAMB



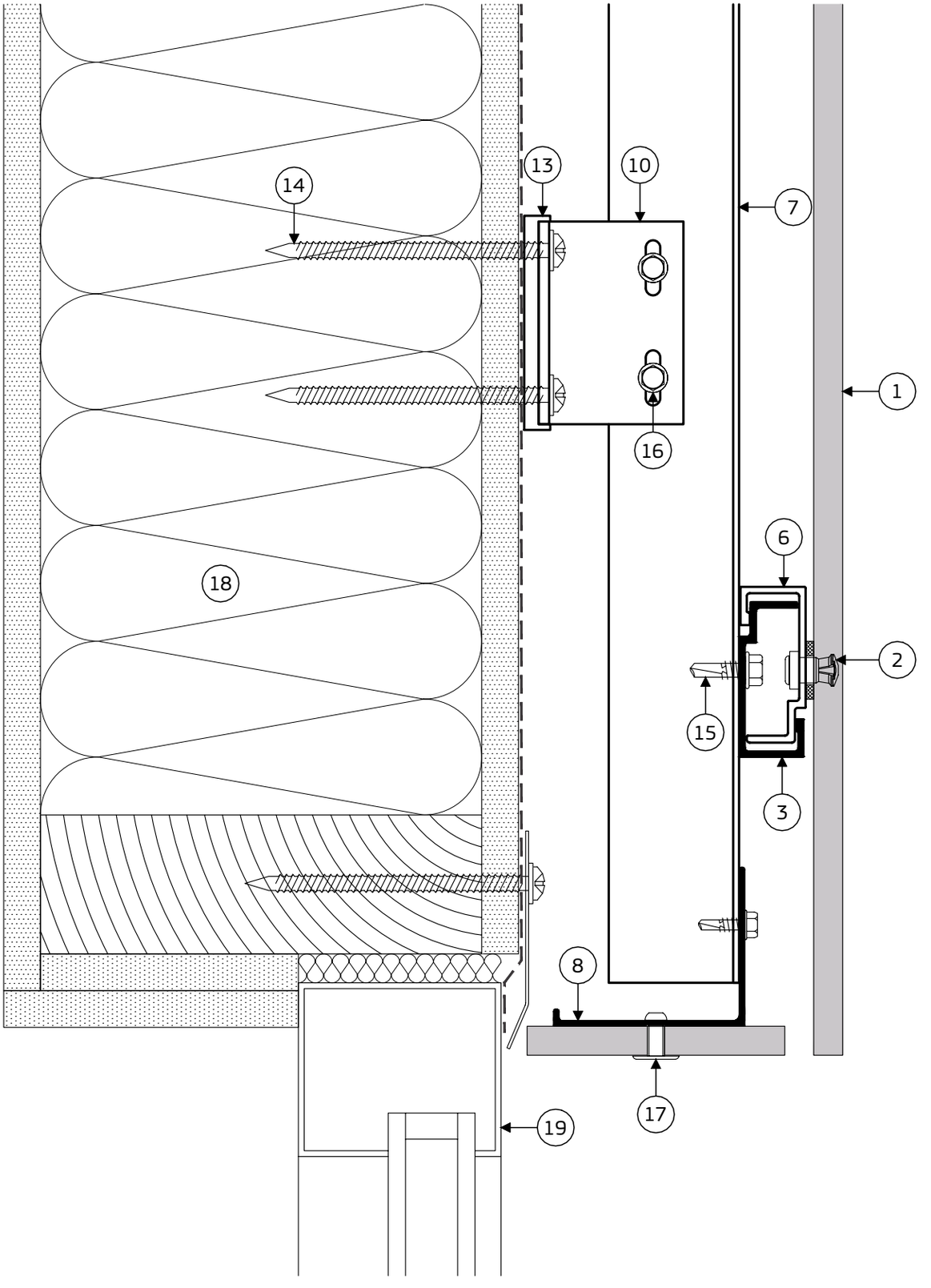
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



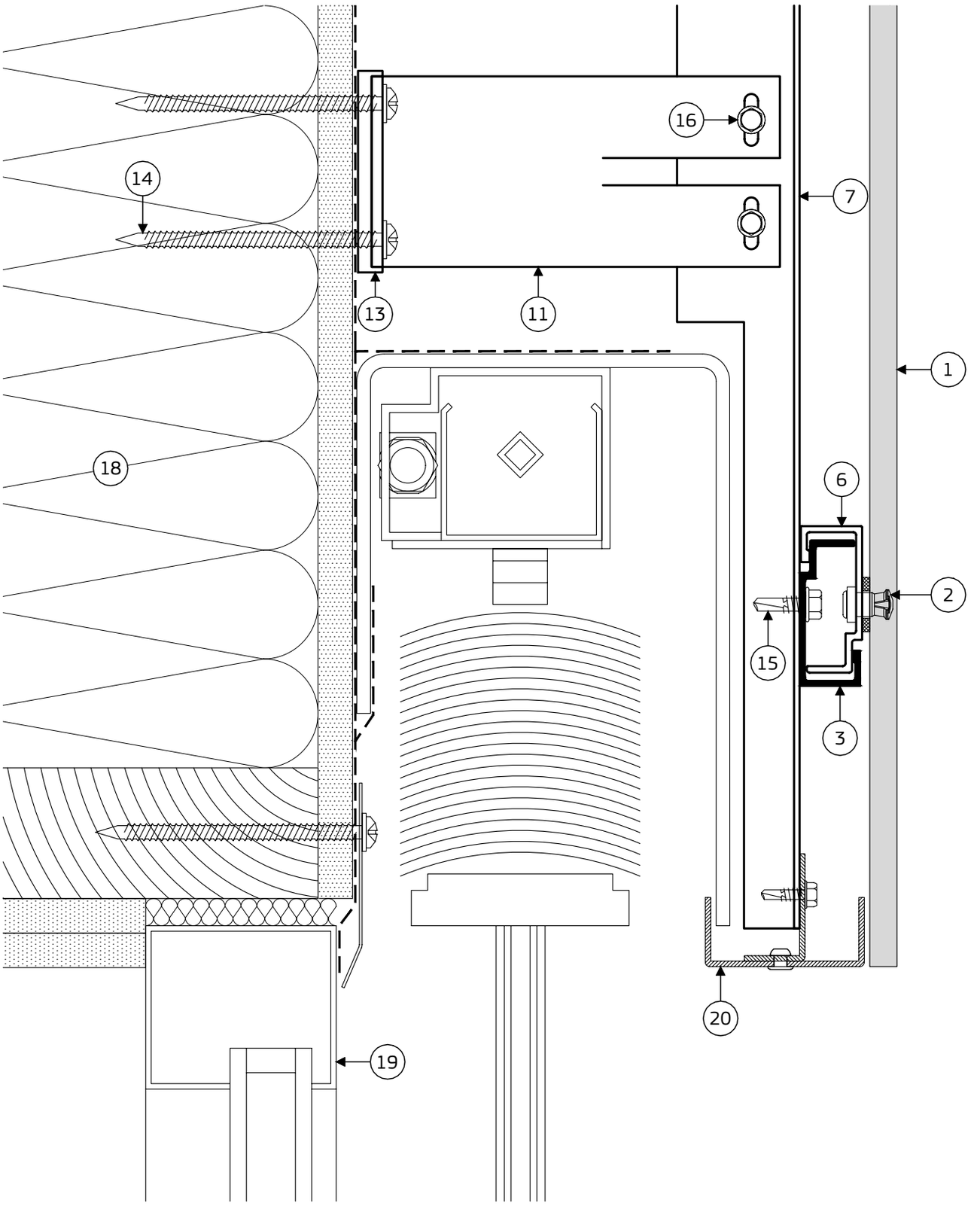
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



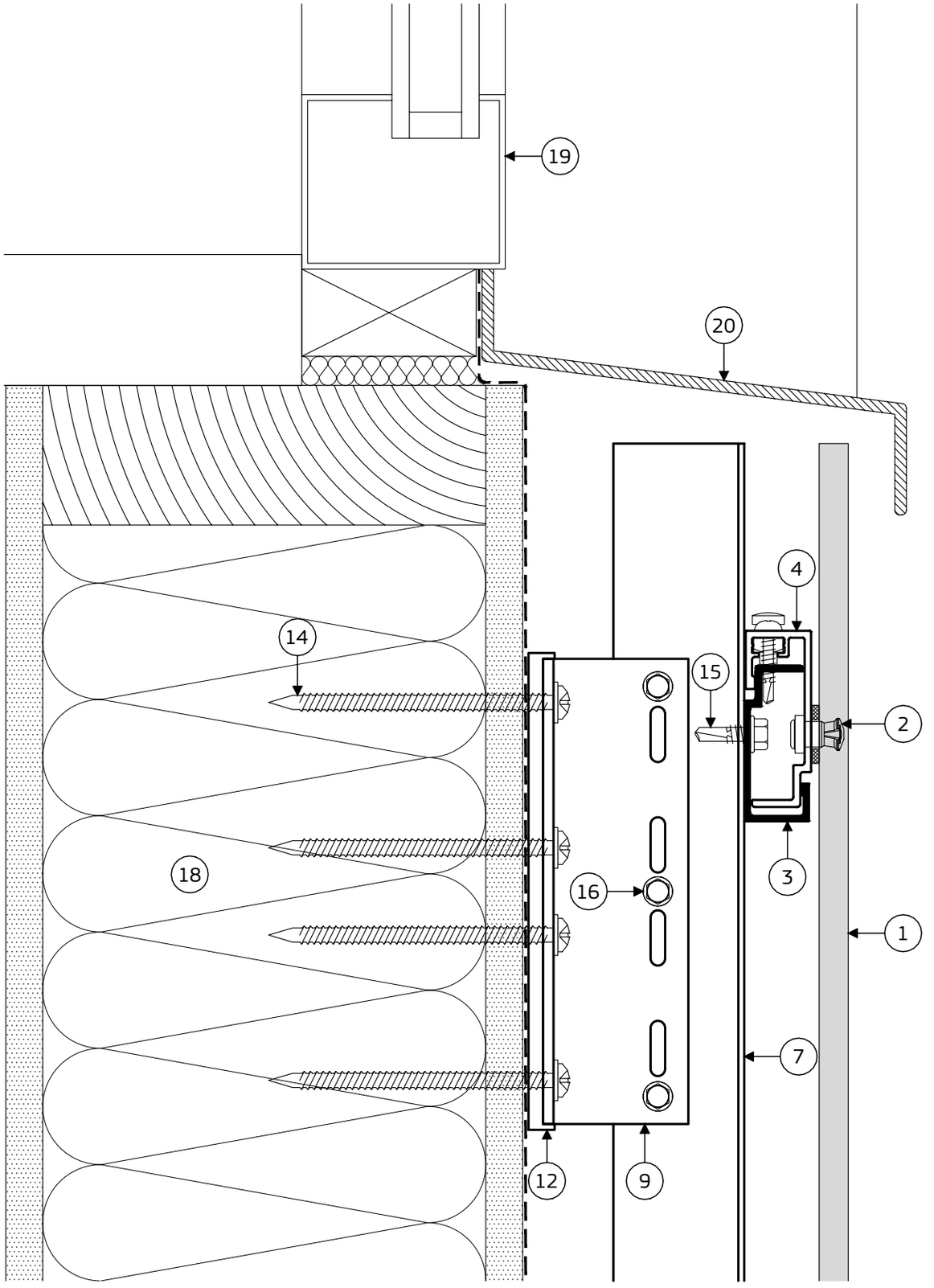
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.3 SECTION DETAIL - WINDOW HEAD



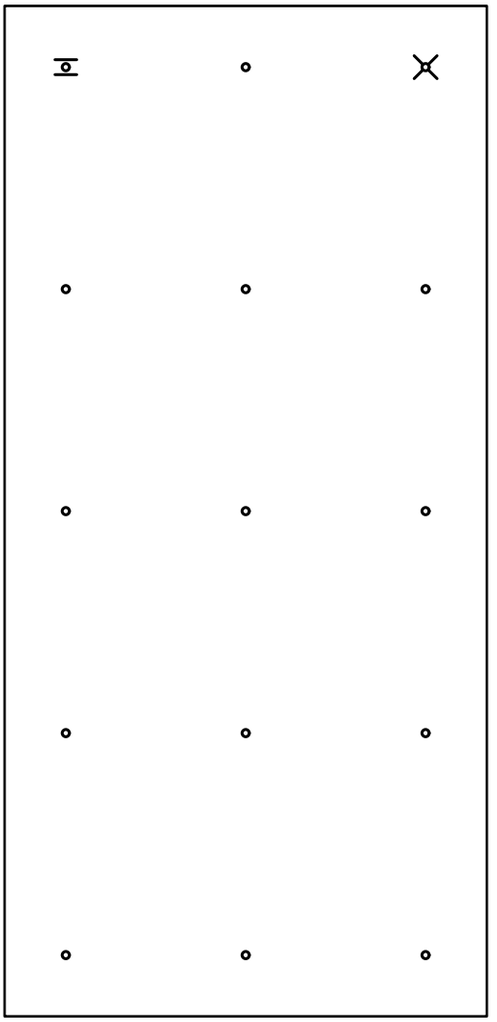
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL

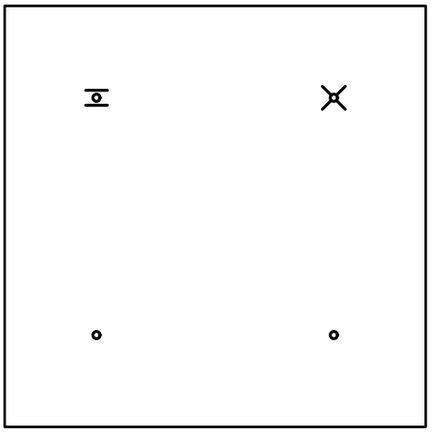


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

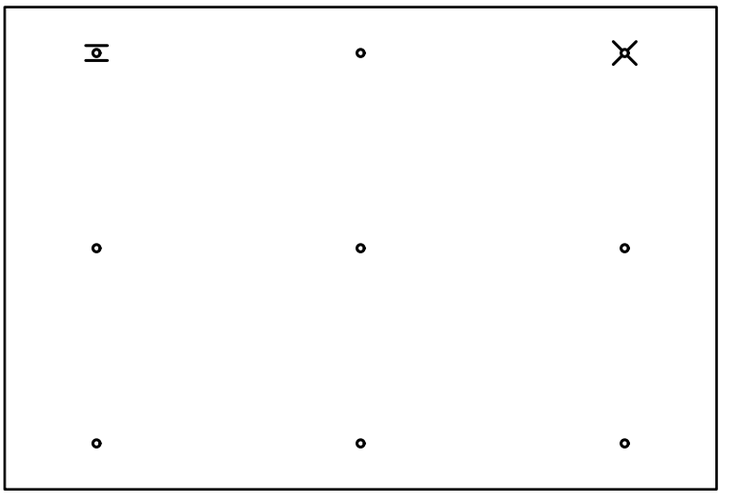
INSTALLATION DIAGRAMS



MULTI-SPAN PANEL



SINGLE-SPAN PANEL



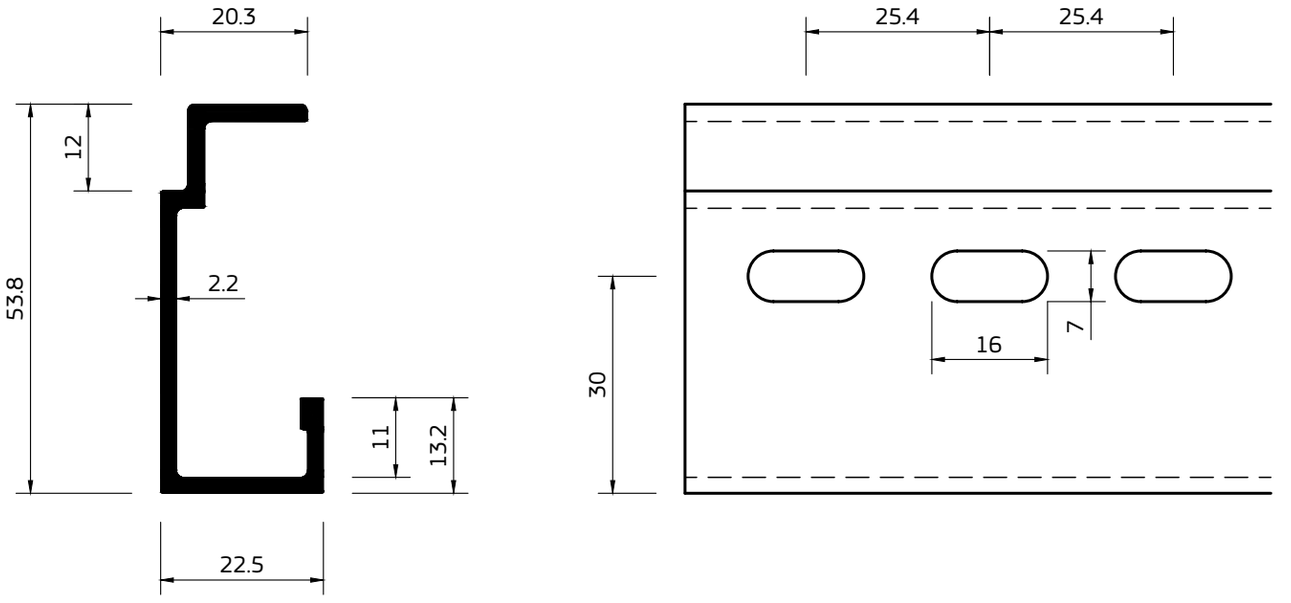
MULTI-SPAN PANEL

- Adjustable hanger fixed point (dead load support), one per panel
- Adjustable hanger sliding point (dead load support), one per panel
- Hanger sliding point (wind load support)

The diagrams are schematic.
Refer to panel manufacturer's technical data and installation instructions for the exact diagram.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS



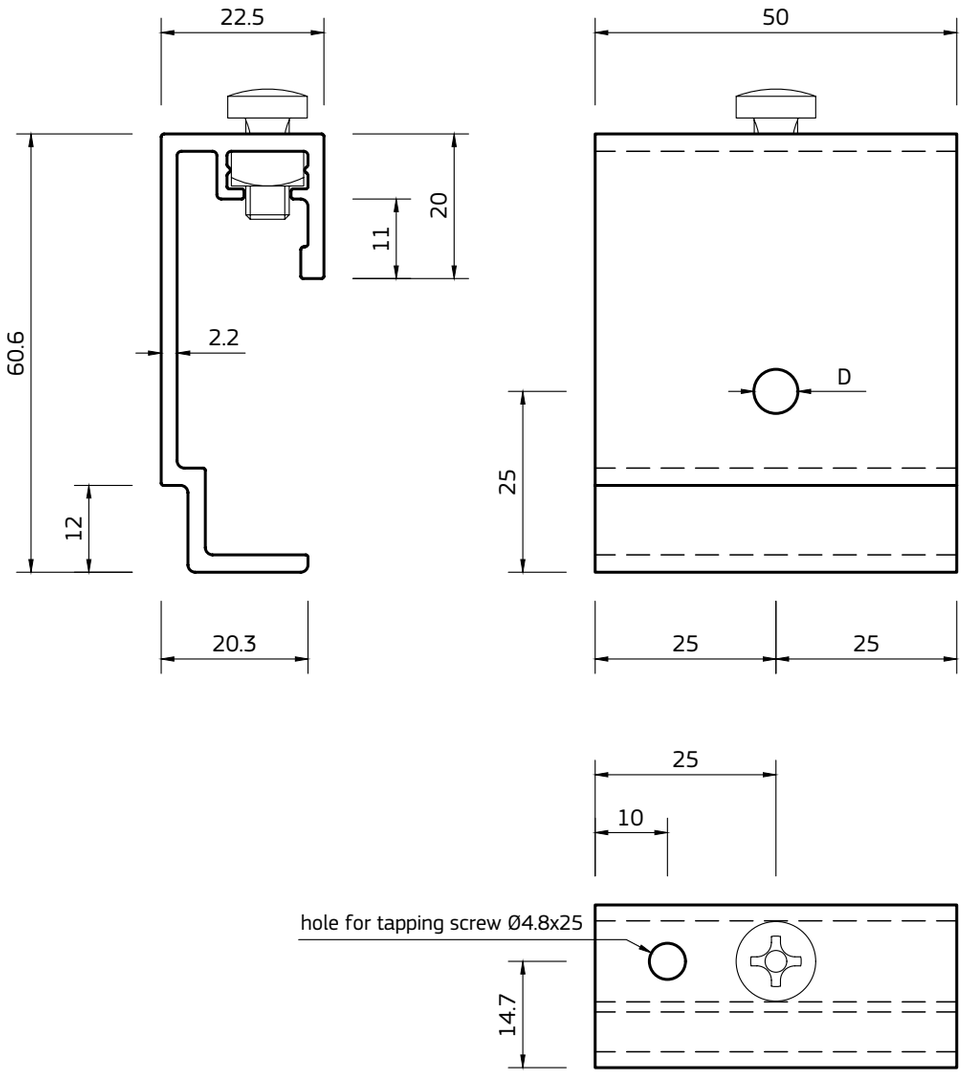
Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.2.xxx	Horizontal rail		unpainted	643 g/m
06.2.631.xxx	Horizontal rail, slotted holes (6.3)	7x16 mm		

xxx - rail length

Standard length 6000 mm.
Other size slotted holes on request.
Painted rails or anodized finishes on request.

SYSTEM COMPONENTS



Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.201.5.50	Adjustable hanger fixed point, hole Ø5, set	Ø5.1	unpainted	39 g/pcs
06.201.6.50	Adjustable hanger fixed point, hole Ø6, set	Ø6.1		
06.201.8.50	Adjustable hanger fixed point, hole Ø8, set	Ø8.1		

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

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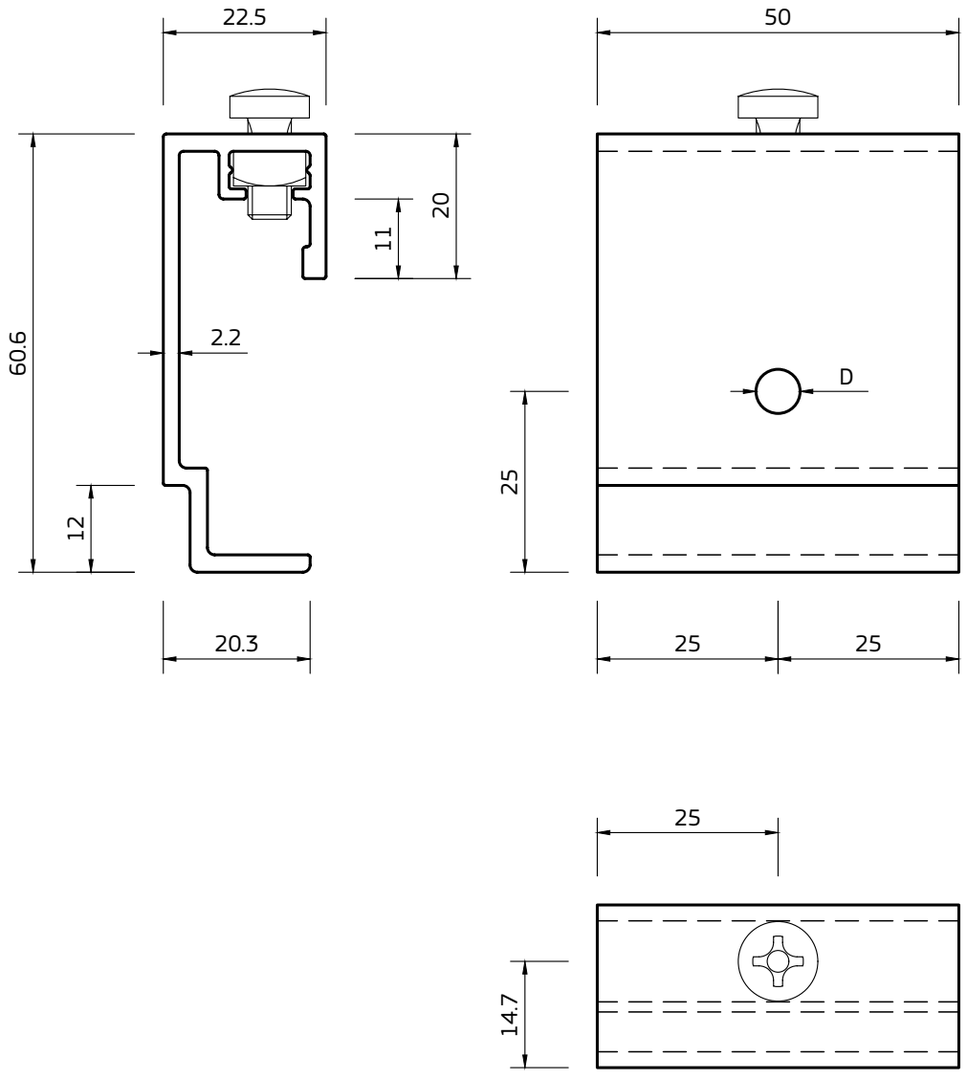
All dimensions are in mm I Scale 1:1

SYSTEM COMPONENTS

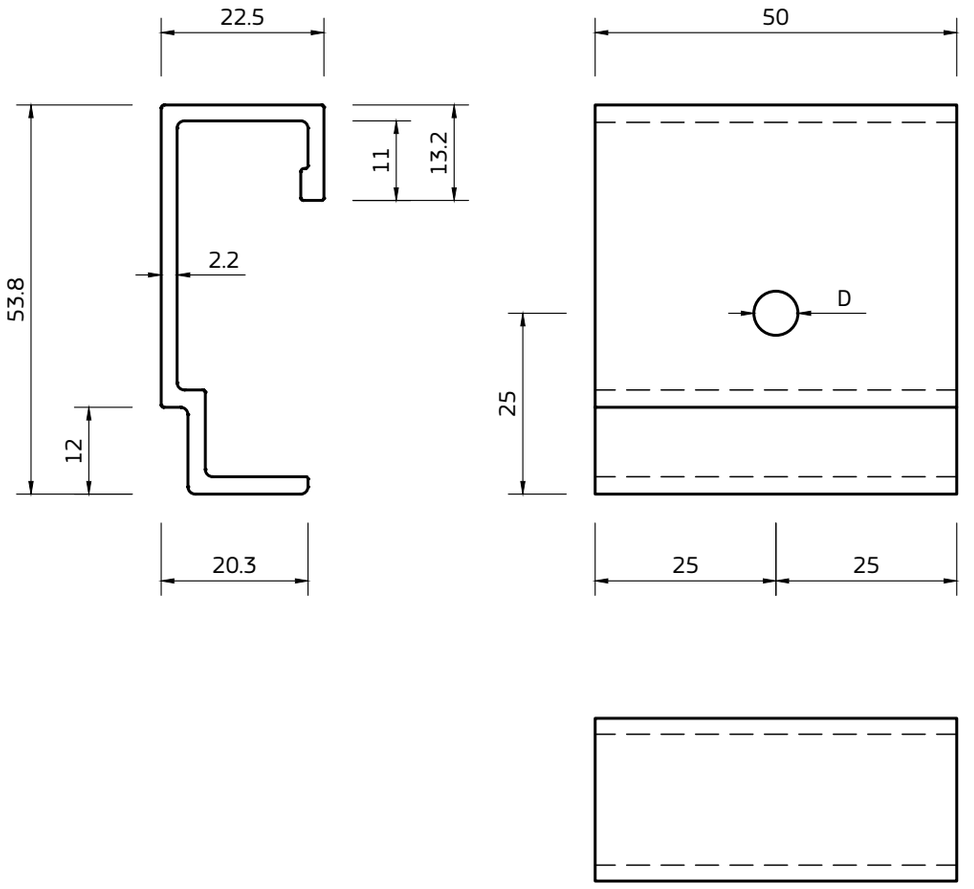


Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.202.5.50	Adjustable hanger sliding point, hole Ø5, set	Ø5.1	unpainted	39 g/pcs
06.202.6.50	Adjustable hanger sliding point, hole Ø6, set	Ø6.1		
06.202.8.50	Adjustable hanger sliding point, hole Ø8, set	Ø8.1		

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

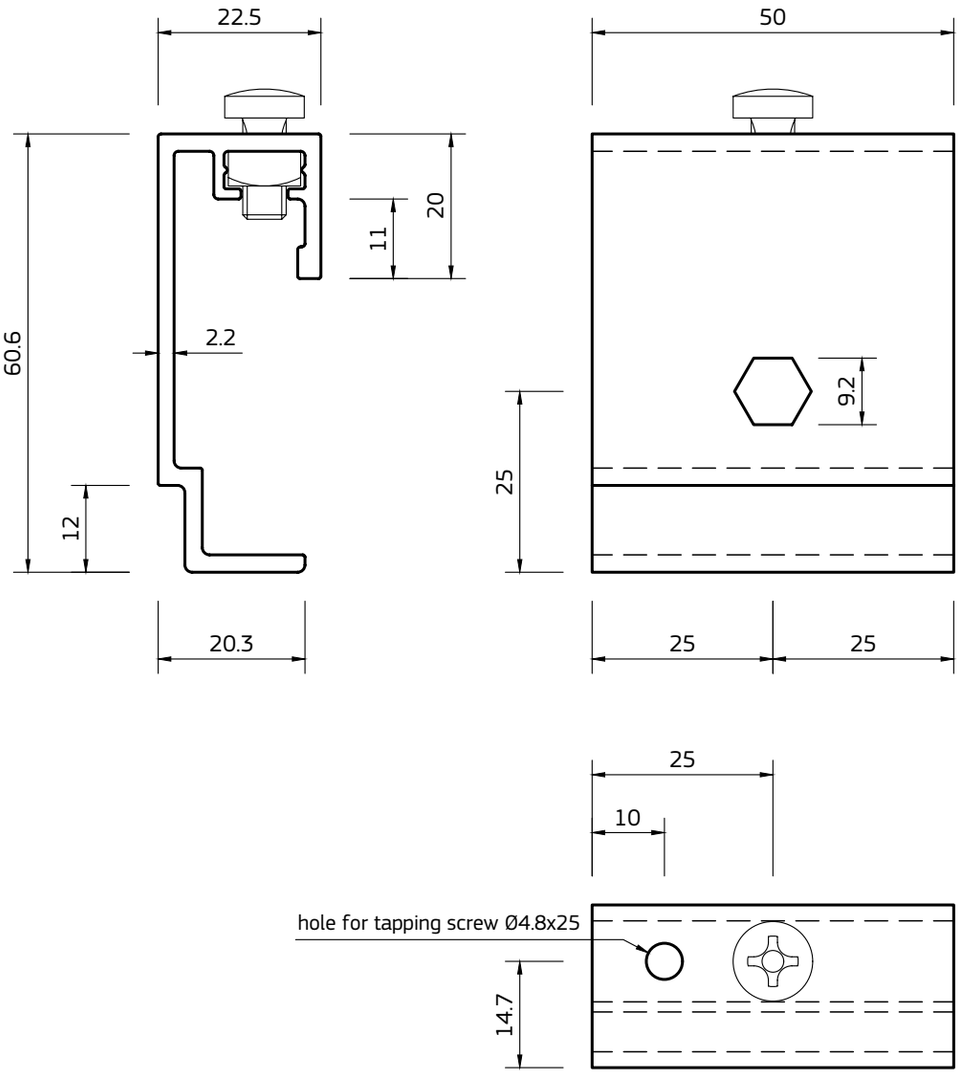


Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.203.5.50	Hanger sliding point, hole Ø5	Ø5.1	unpainted	32 g/pcs
06.203.6.50	Hanger sliding point, hole Ø6	Ø6.1		
06.203.8.50	Hanger sliding point, hole Ø8	Ø8.1		

Non-standard hangers on request.

SYSTEM COMPONENTS

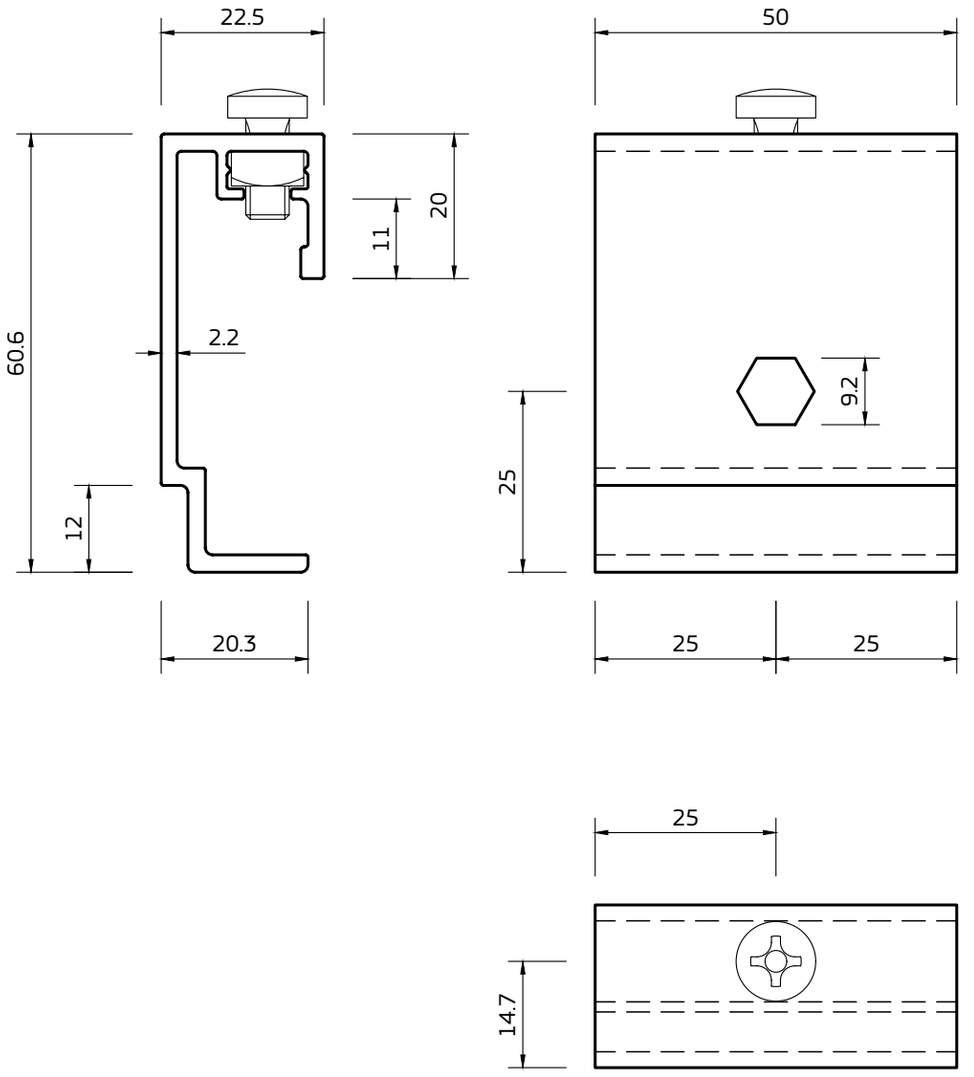


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.9.50	Adjustable hanger fixed point, hex hole, set	hex hole SW9	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

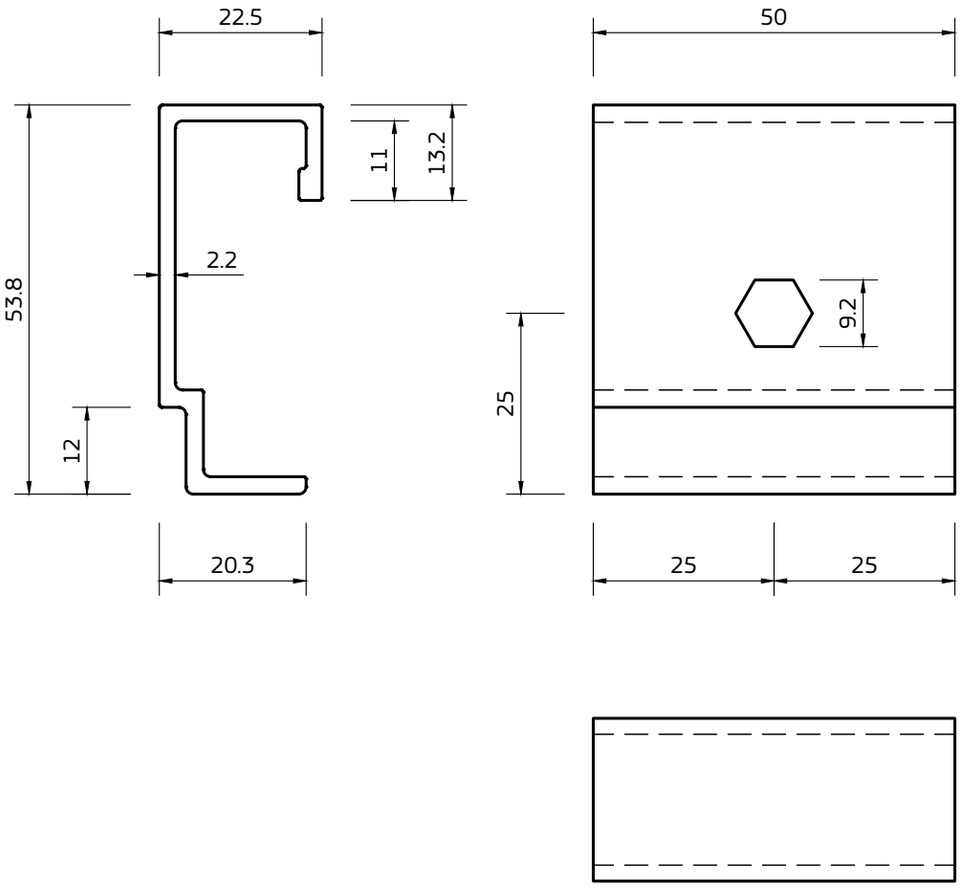


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.9.50	Adjustable hanger sliding point, hex hole, set	hex hole SW9	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

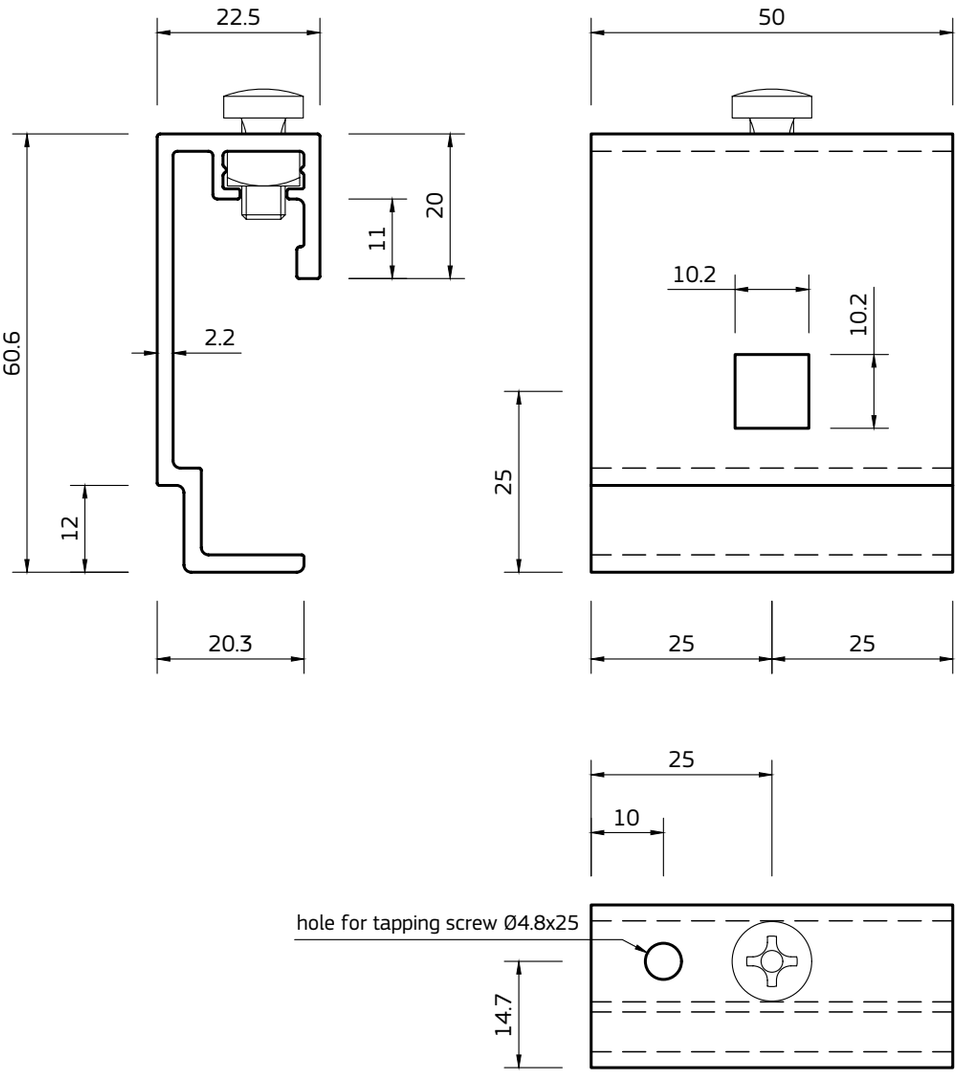


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.9.50	Hanger sliding point, hex hole	hex hole SW9	unpainted	32 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

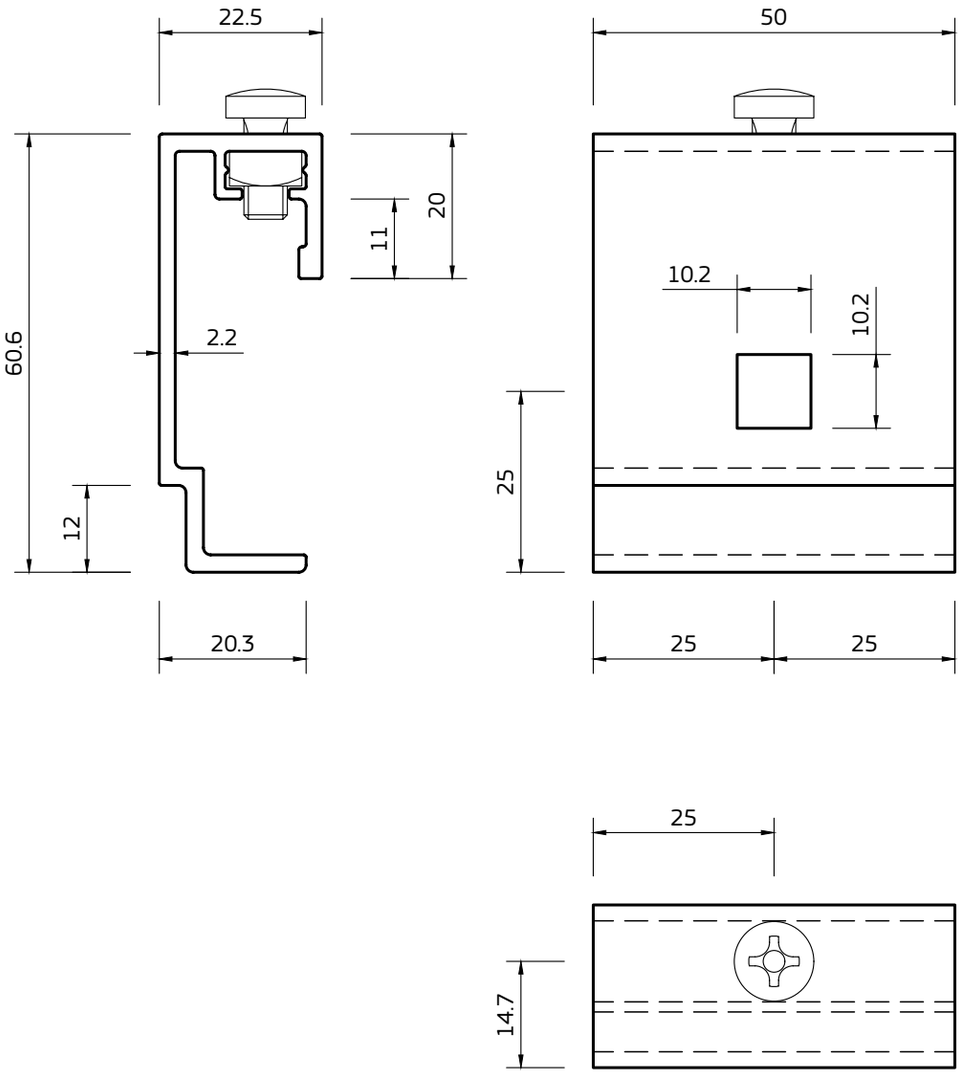


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.10.50	Adjustable hanger fixed point, square hole, set	square hole 10.2	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

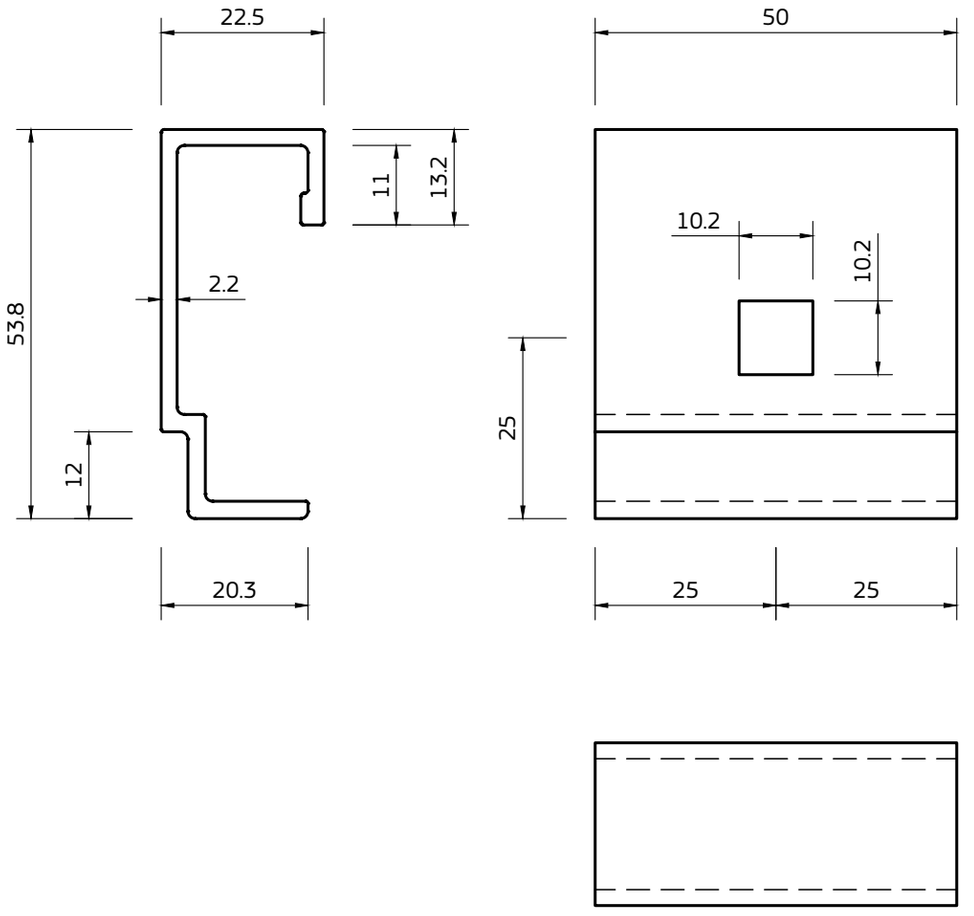


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.10.50	Adjustable hanger sliding point, square hole, set	square hole 10.2	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

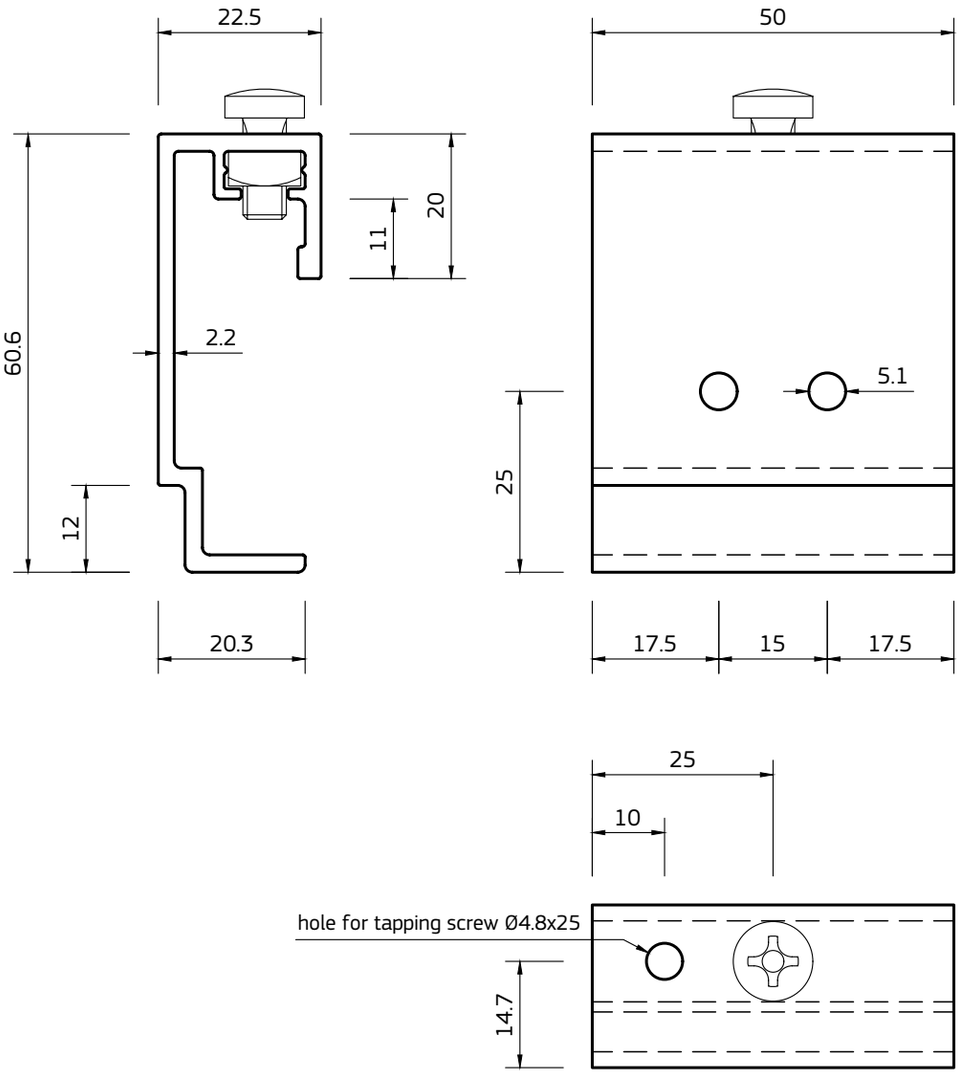


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.10.50	Hanger sliding point, square hole	square hole 10.2	unpainted	32 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

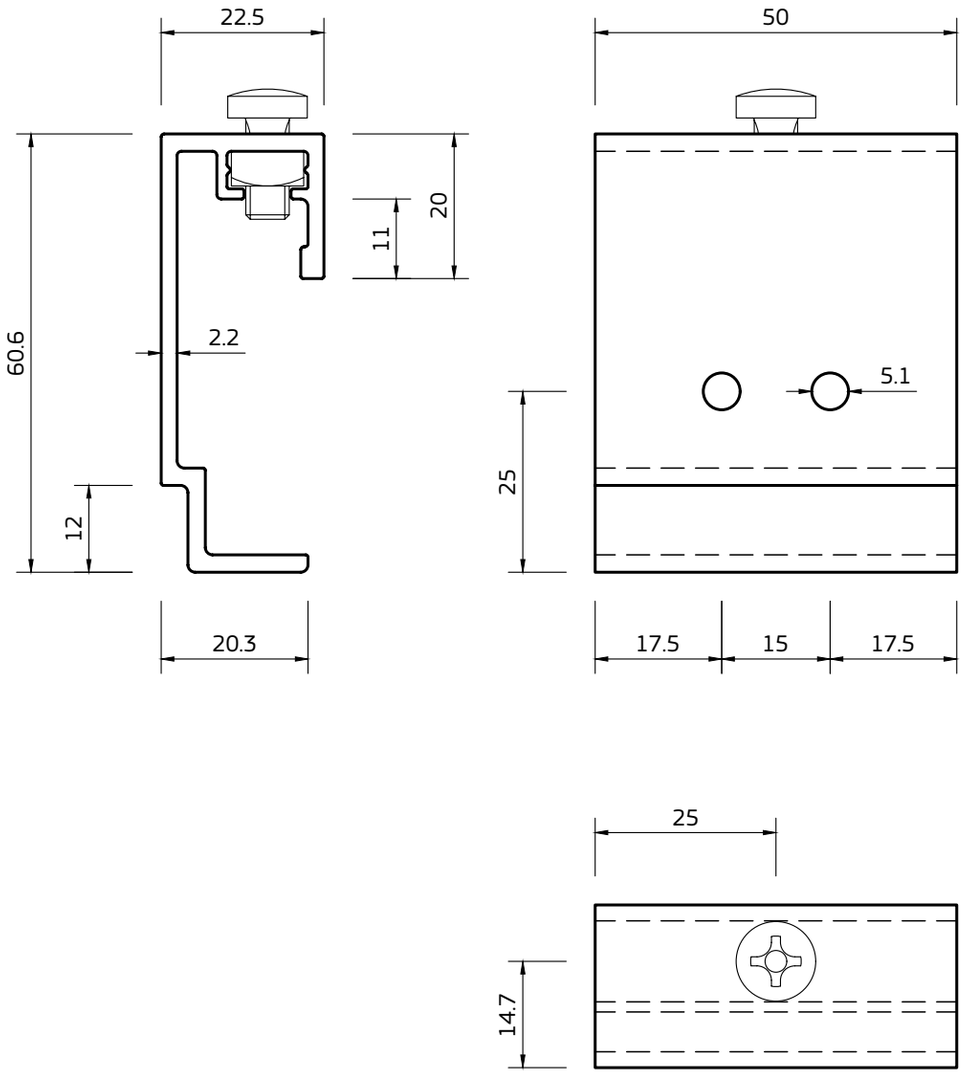


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.52.50	Adjustable hanger fixed point, holes Ø5, set	Ø5.1	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

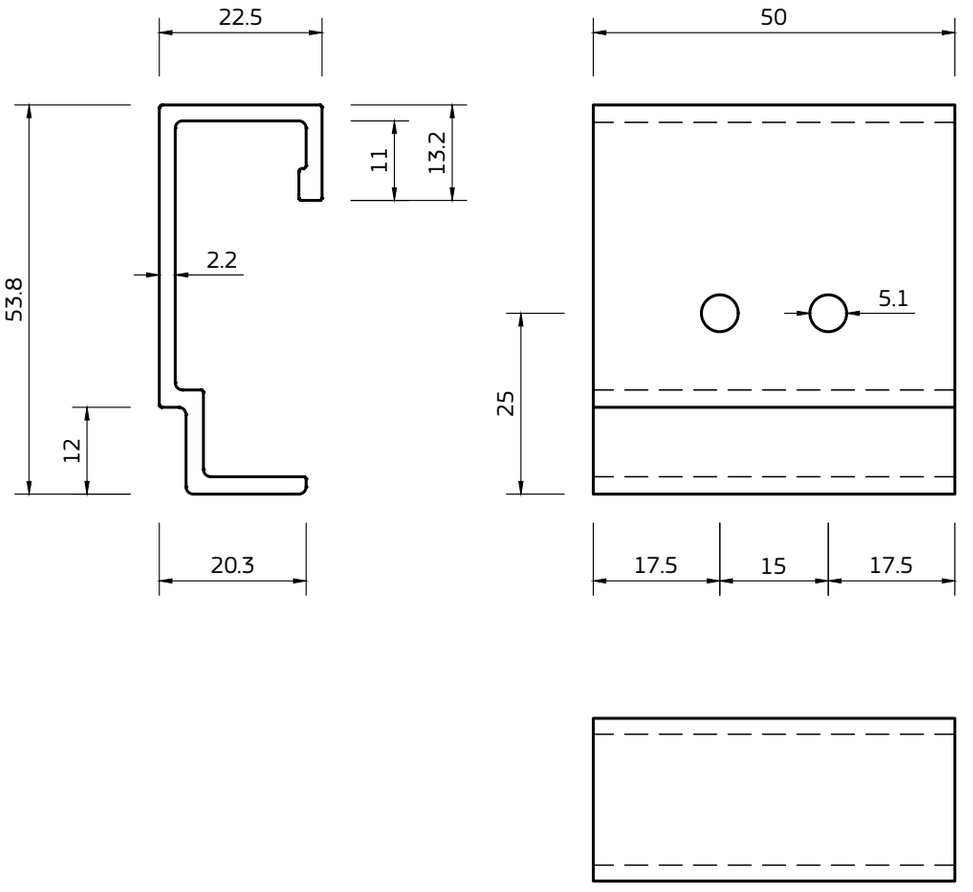


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.52.50	Adjustable hanger sliding point, holes Ø5, set	Ø5.1	unpainted	39 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

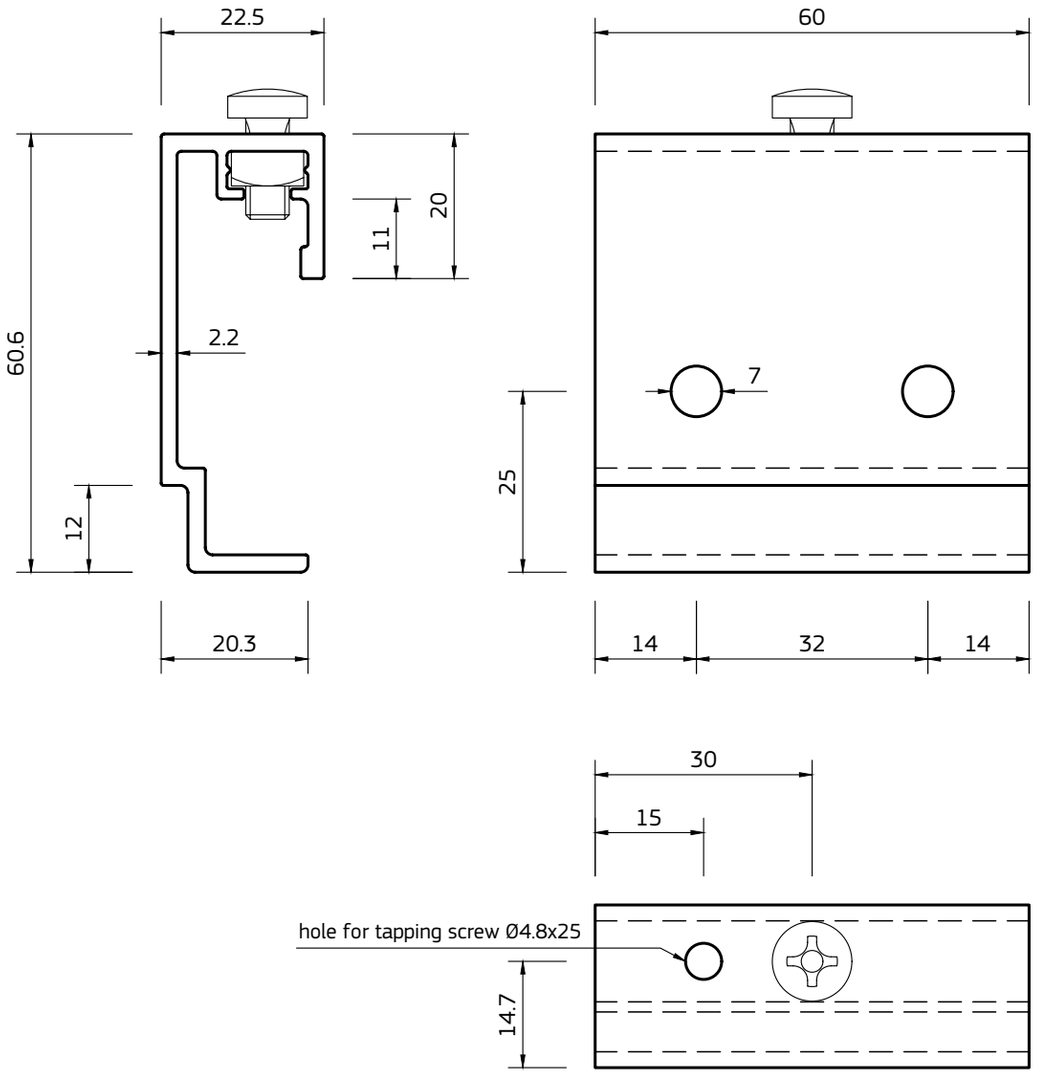


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.52.50	Hanger sliding point, holes Ø5	Ø5.1	unpainted	32 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

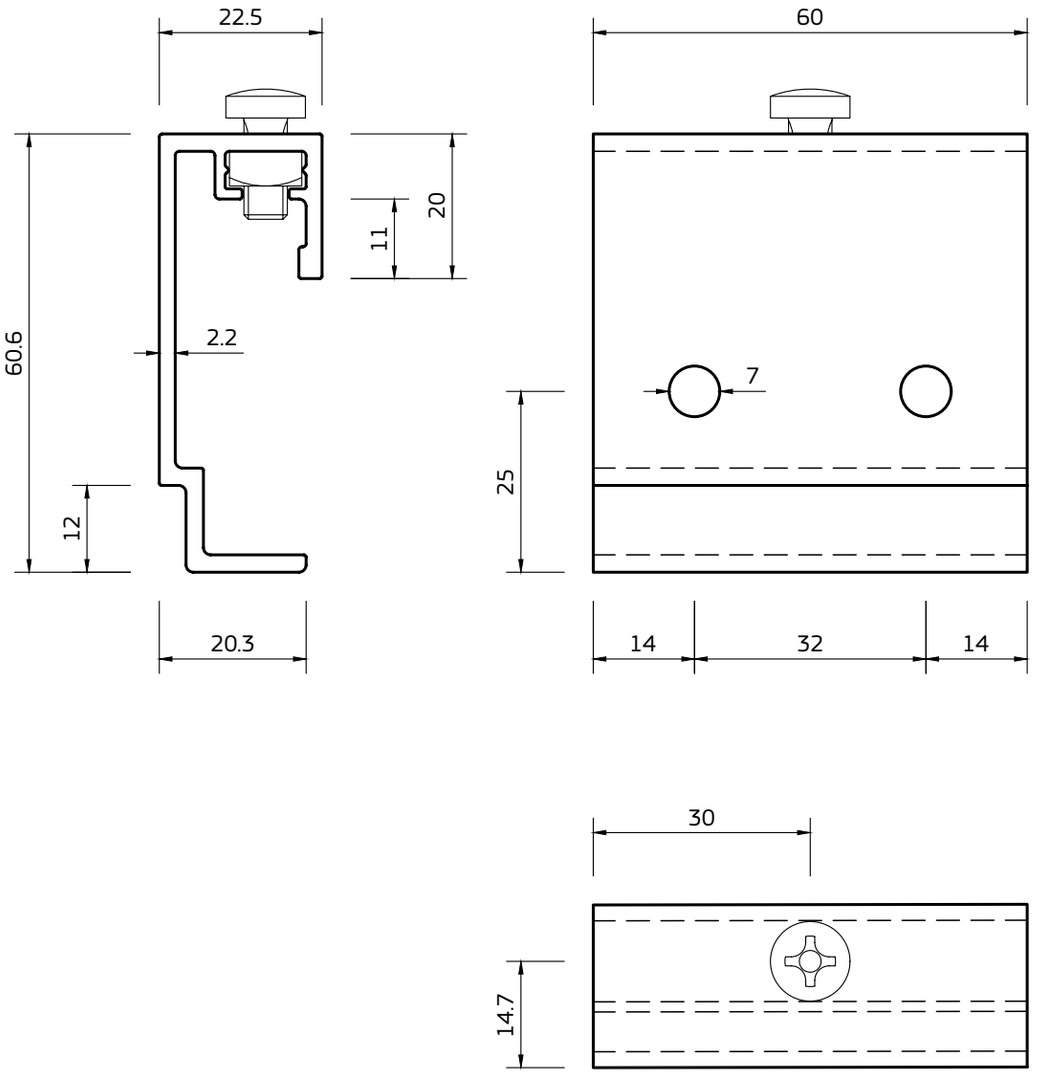


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.72.60	Adjustable hanger fixed point, holes Ø7, set	Ø7	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

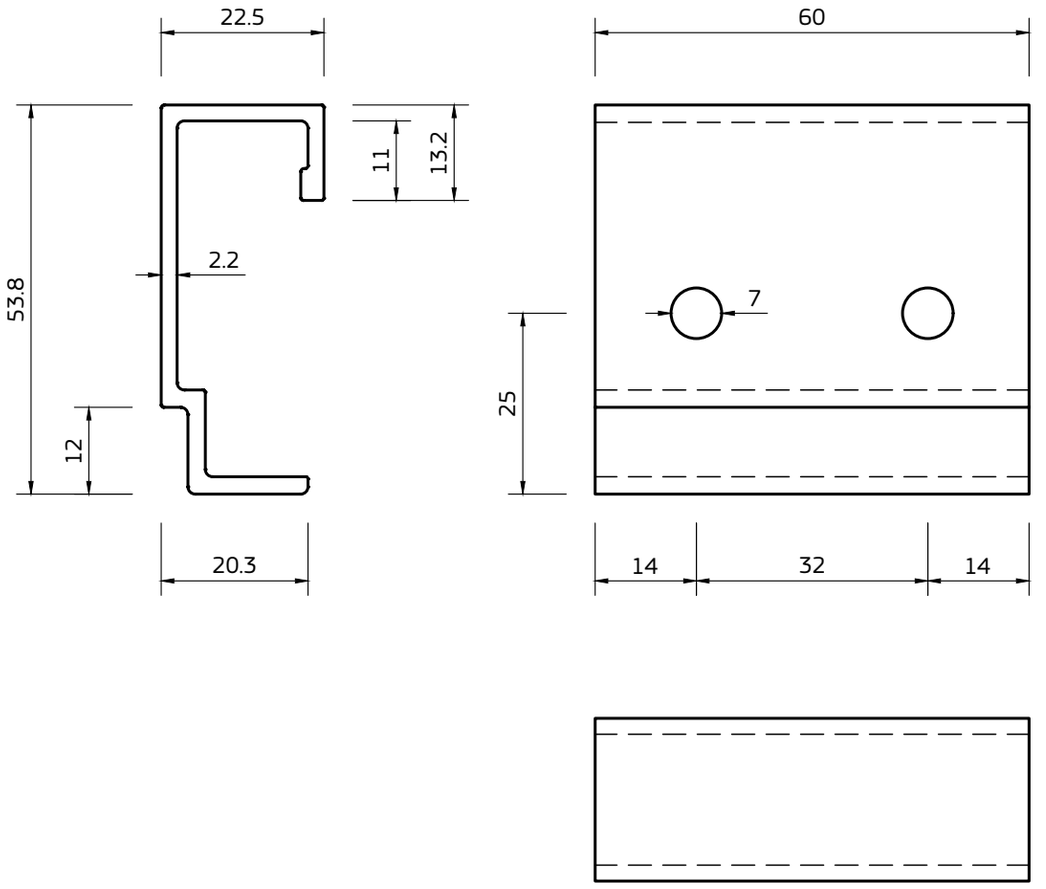


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.72.60	Adjustable hanger sliding point, holes Ø7, set	Ø7	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

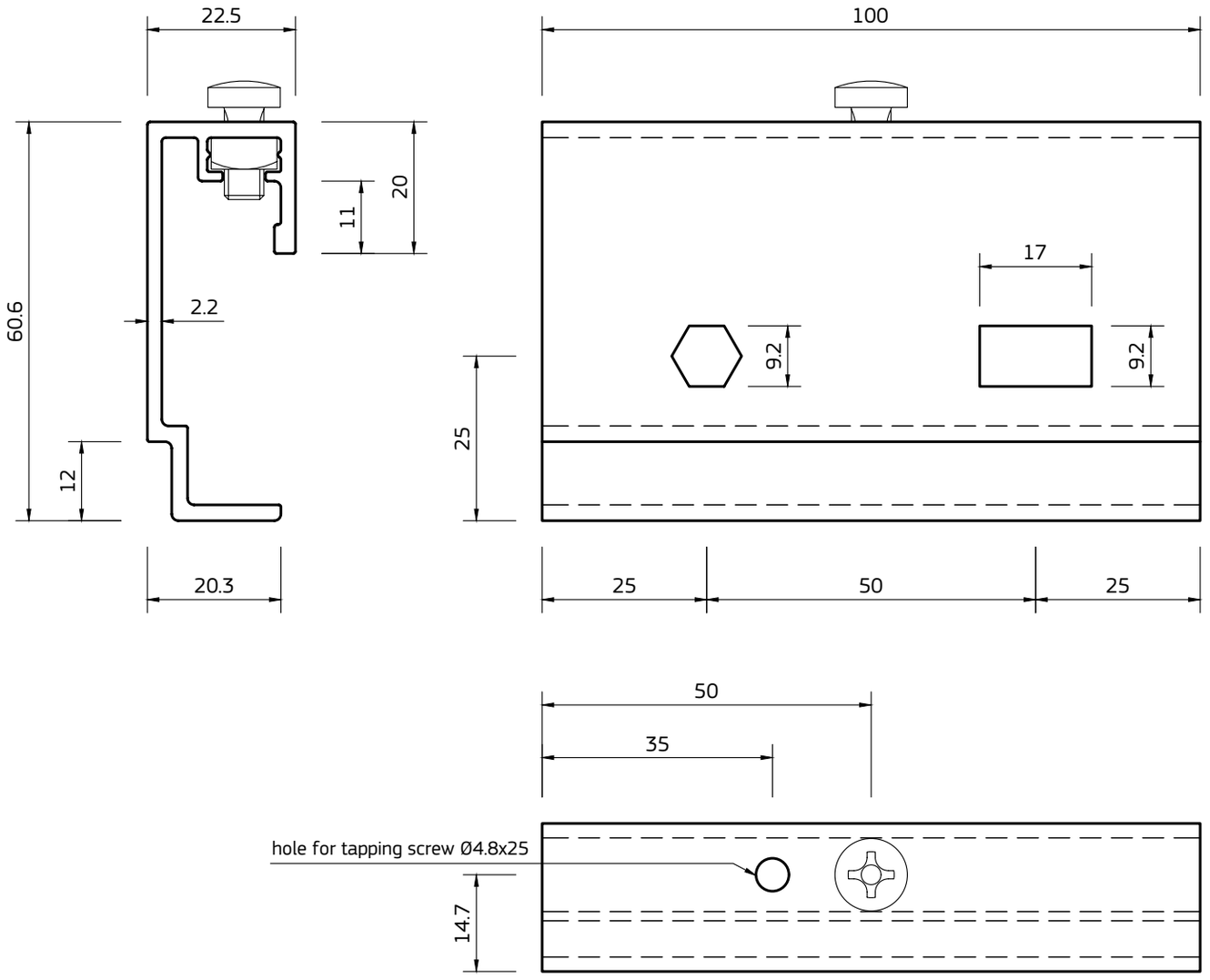


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.72.60	Hanger sliding point, holes Ø7	Ø7	unpainted	39 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

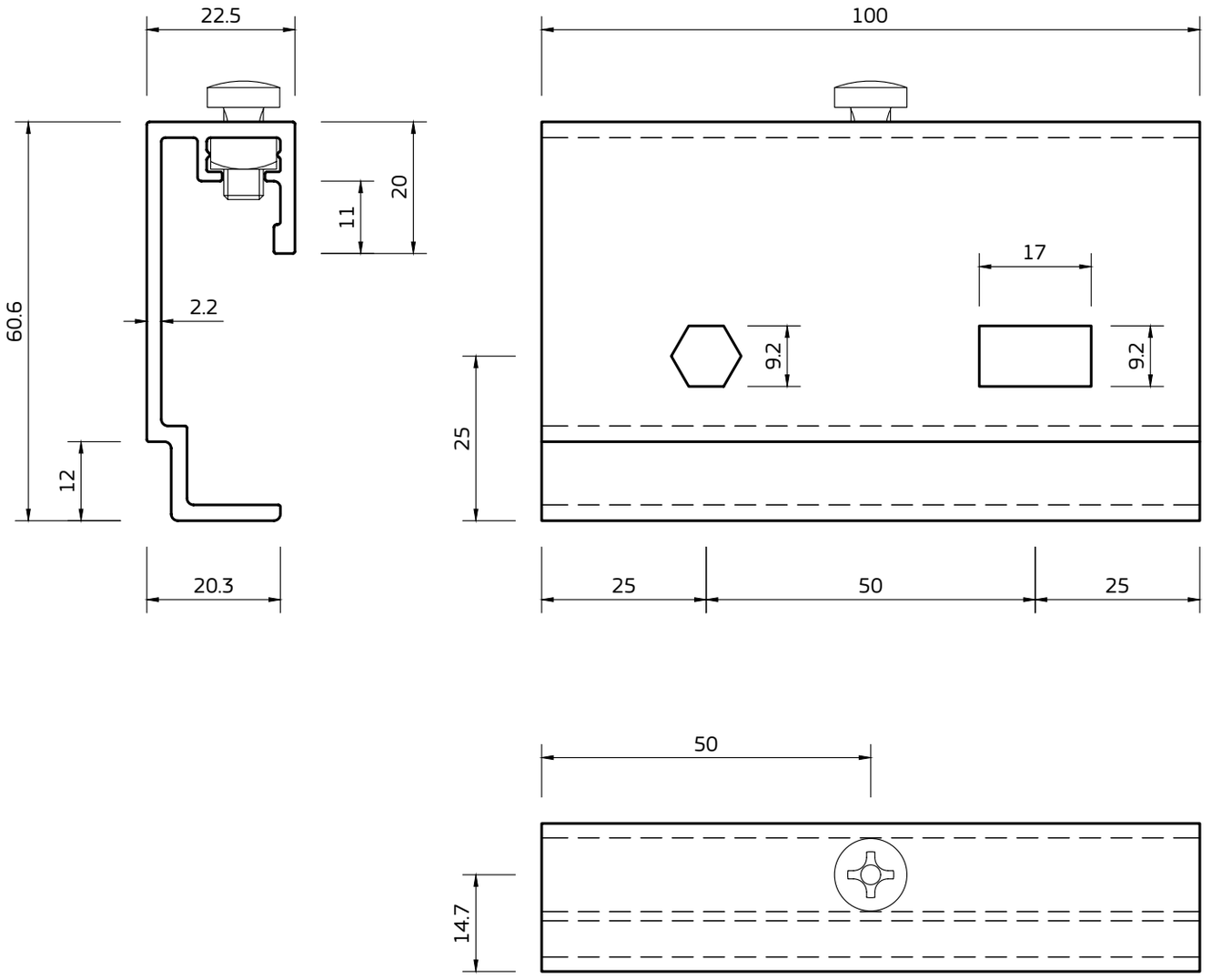


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.92.100	Adjustable hanger fixed point 100 mm, hex hole, set	per drawing	unpainted	78 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

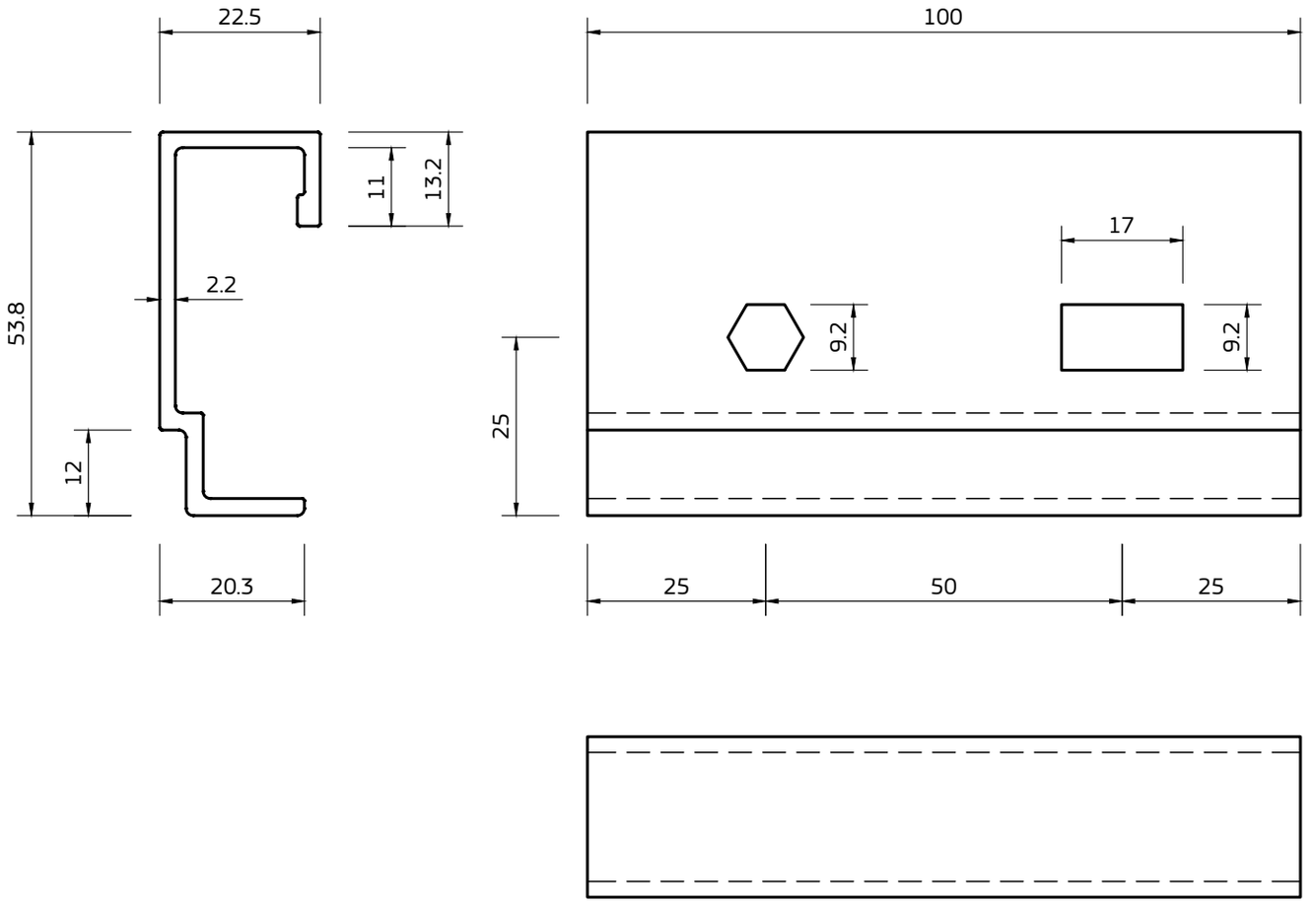


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.92.100	Adjustable hanger sliding point 100 mm, hex hole, set	per drawing	unpainted	78 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

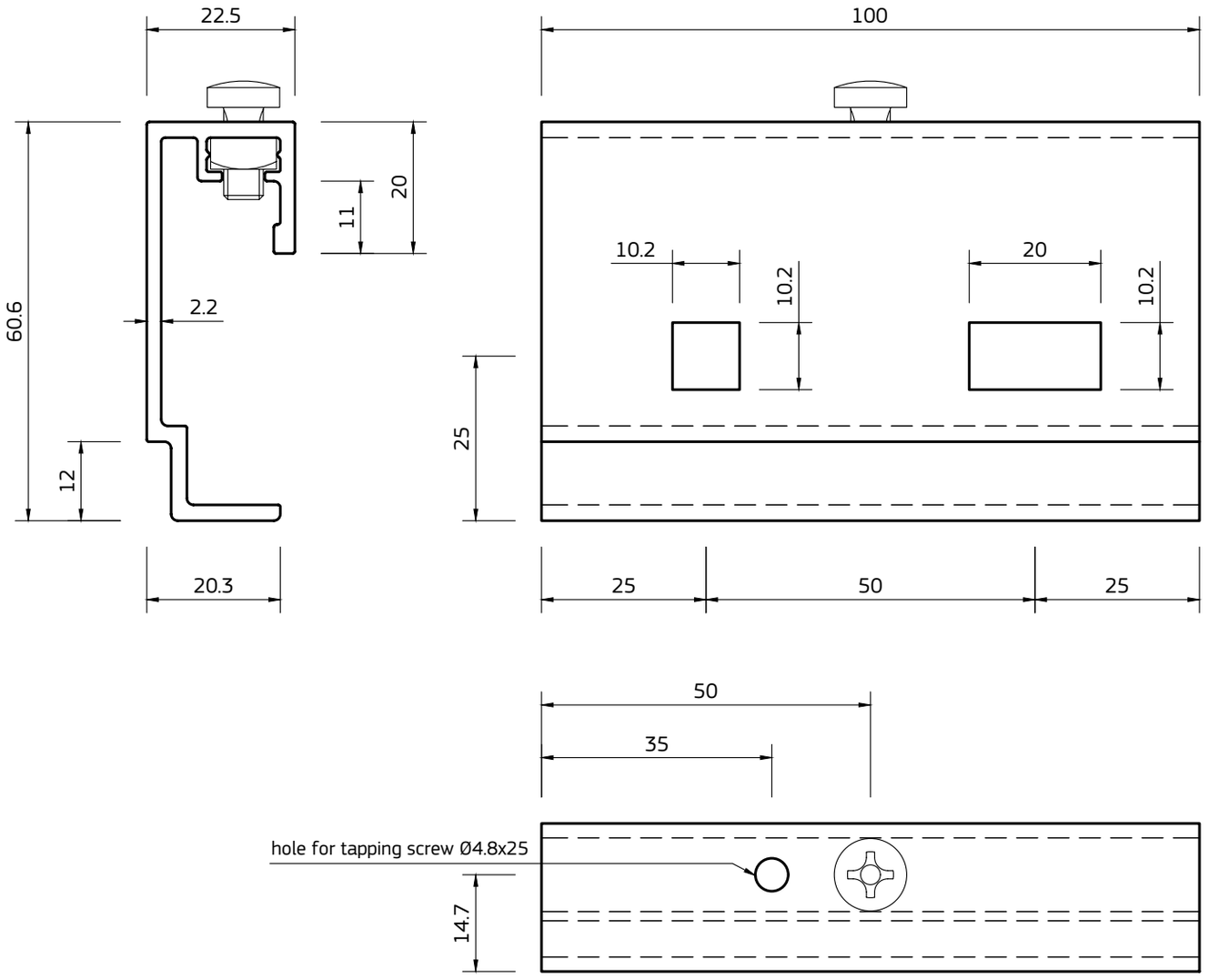


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.92.100	Hanger sliding point 100 mm, hex hole	per drawing	unpainted	64 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

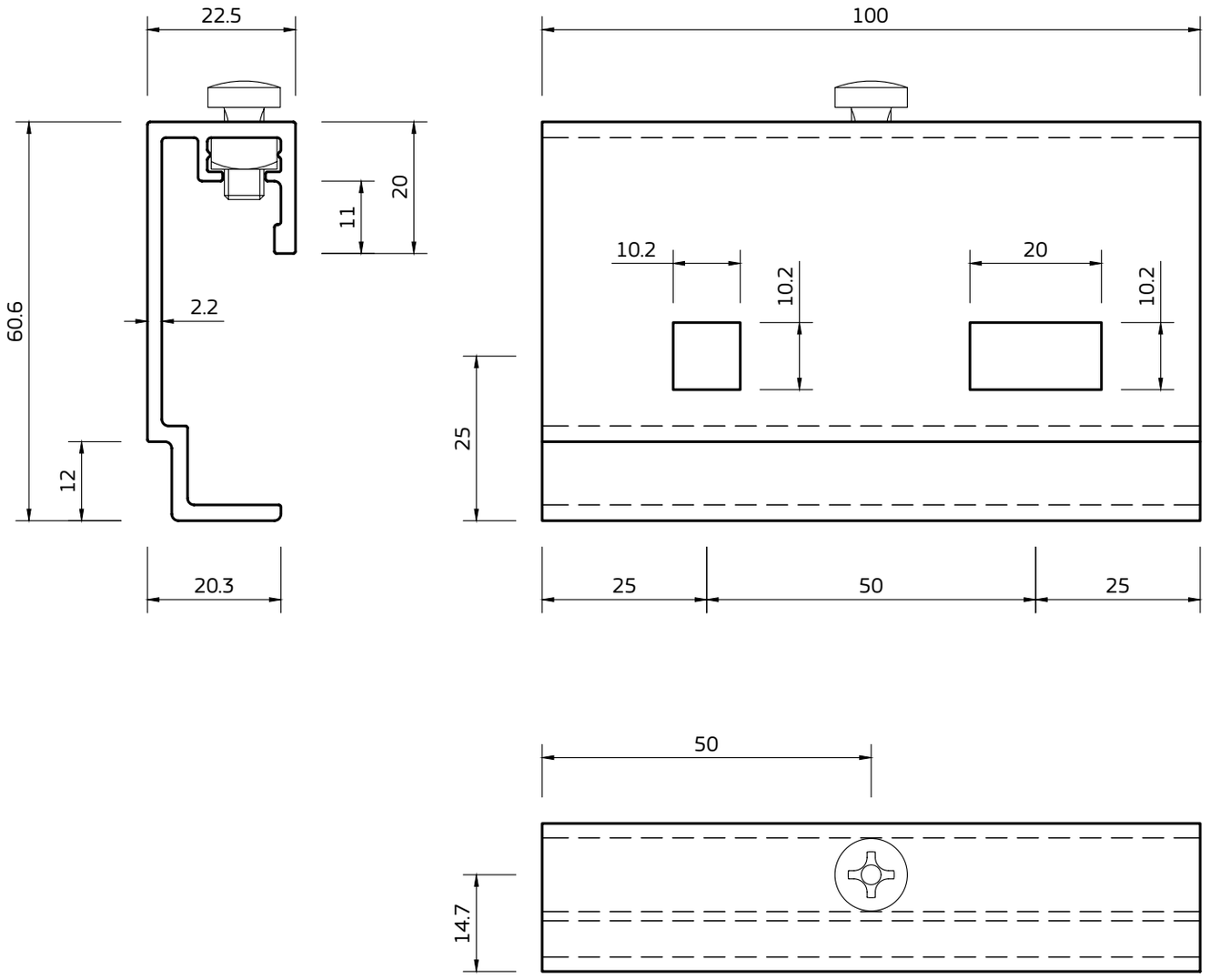


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.201.102.100	Adjustable hanger fixed point 100 mm, square hole, set	per drawing	unpainted	78 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

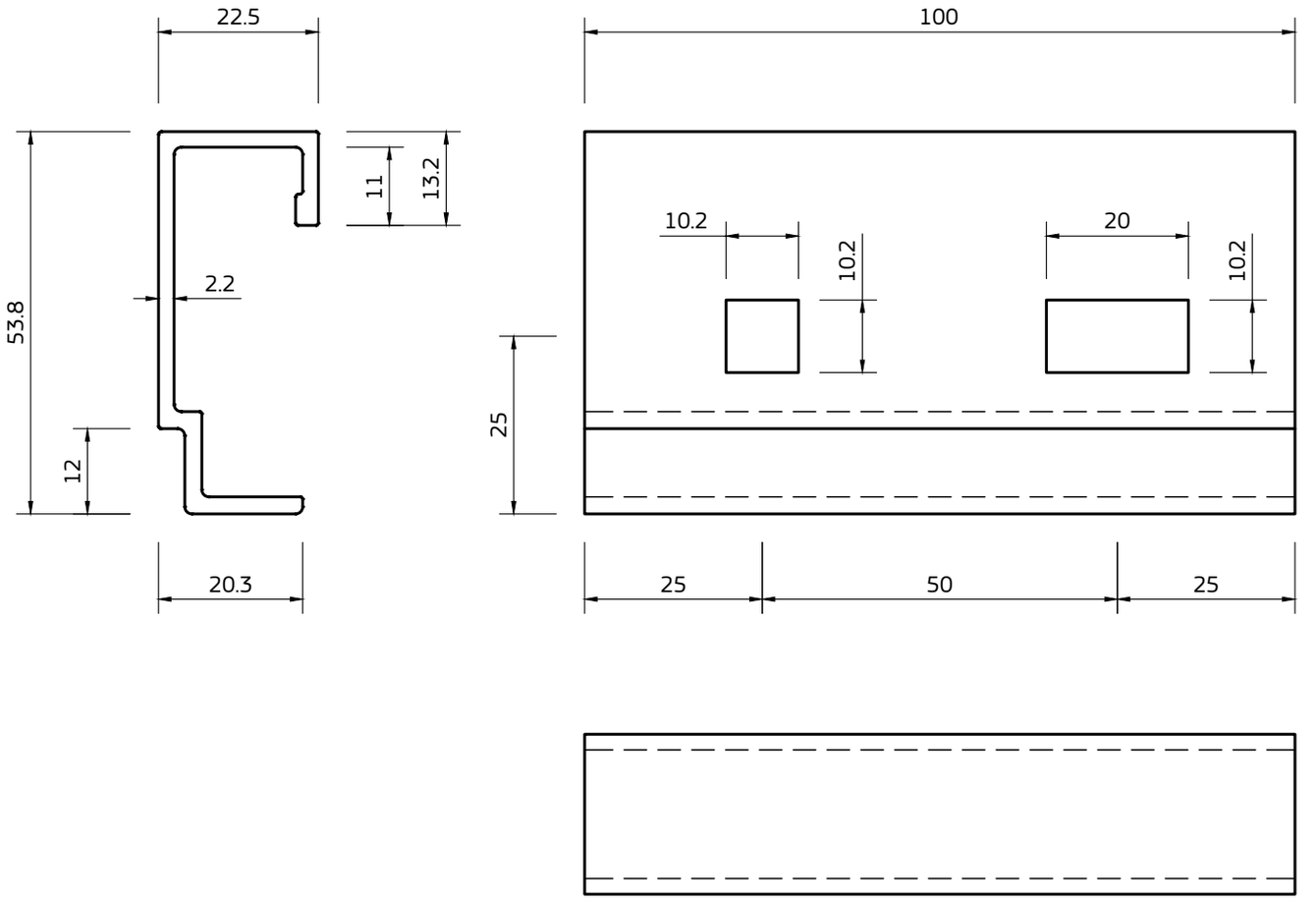


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.202.102.100	Adjustable hanger sliding point 100 mm, square hole, set	per drawing	unpainted	78 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

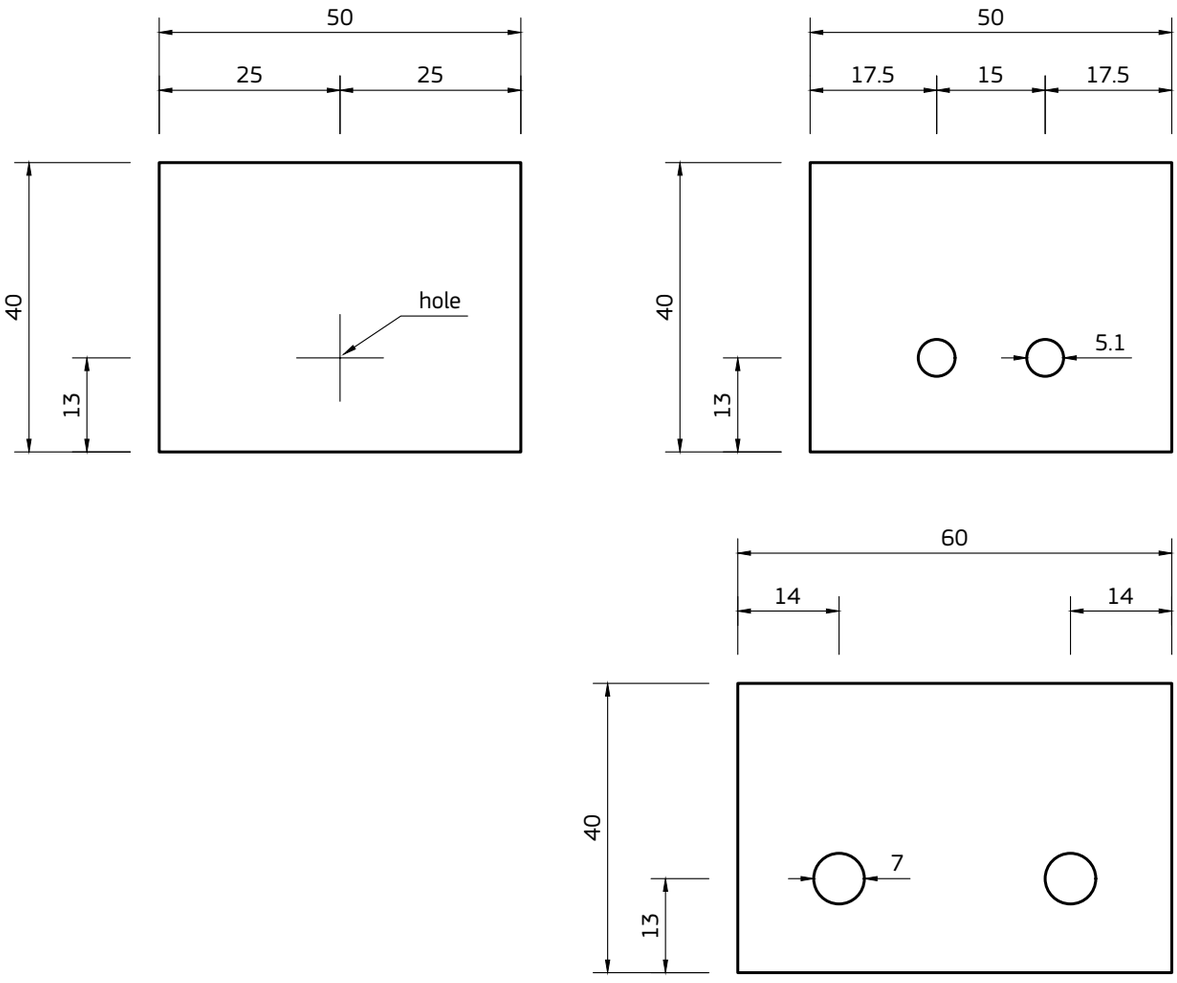


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.203.102.100	Hanger sliding point 100 mm, square hole	per drawing	unpainted	64 g/pcs

Non-standard hangers on request.

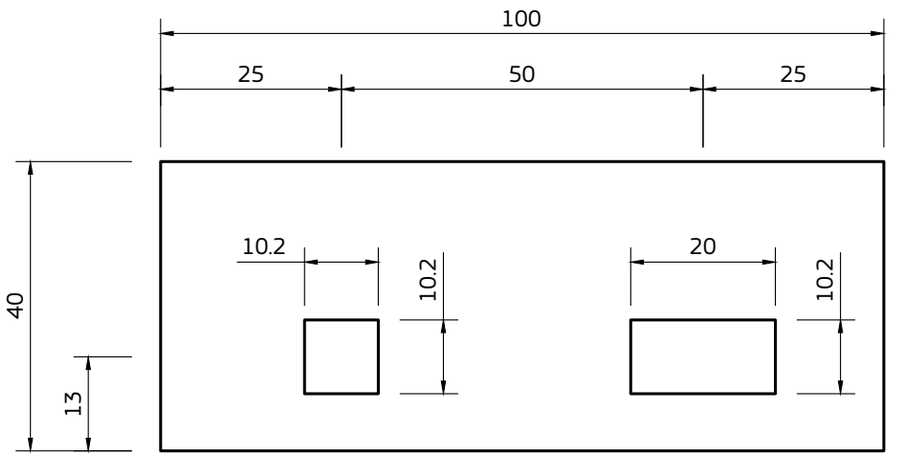
SYSTEM COMPONENTS

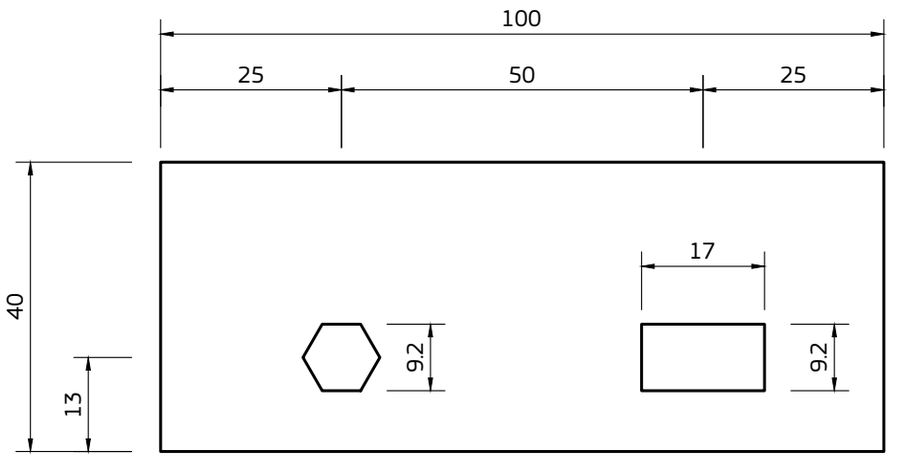


Material: Silicone, 70 Shore A

Article No	Description	Hole size	Weight
06.001.5.50	Silicone pad, 0.9 mm thick, hole Ø5	Ø5.1	2 g/pcs
06.001.52.50	Silicone pad, 0.9 mm thick, holes Ø5	2 x Ø5.1	
06.001.6.50	Silicone pad, 0.9 mm thick, hole Ø6	Ø6.1	
06.001.72.60	Silicone pad, 0.9 mm thick, holes Ø7	2 x Ø7	
06.001.8.50	Silicone pad, 0.9 mm thick, hole Ø8	Ø8.1	
06.001.9.50	Silicone pad, 0.9 mm thick, hex hole	SW9	
06.001.10.50	Silicone pad, 0.9 mm thick, square hole	10	

SYSTEM COMPONENTS





Material: Silicone, 70 Shore A

Article No	Description	Hole size	Weight
06.001.102.100	Silicone pad 100 mm, 0.9 mm thick, square holes	per drawing	4 g/pcs
06.001.92.100	Silicone pad 100 mm, 0.9 mm thick, hex holes	per drawing	

QV6.3

FLAT PANELS CONCEALED RAINSCREEN SYSTEM

LEGEND

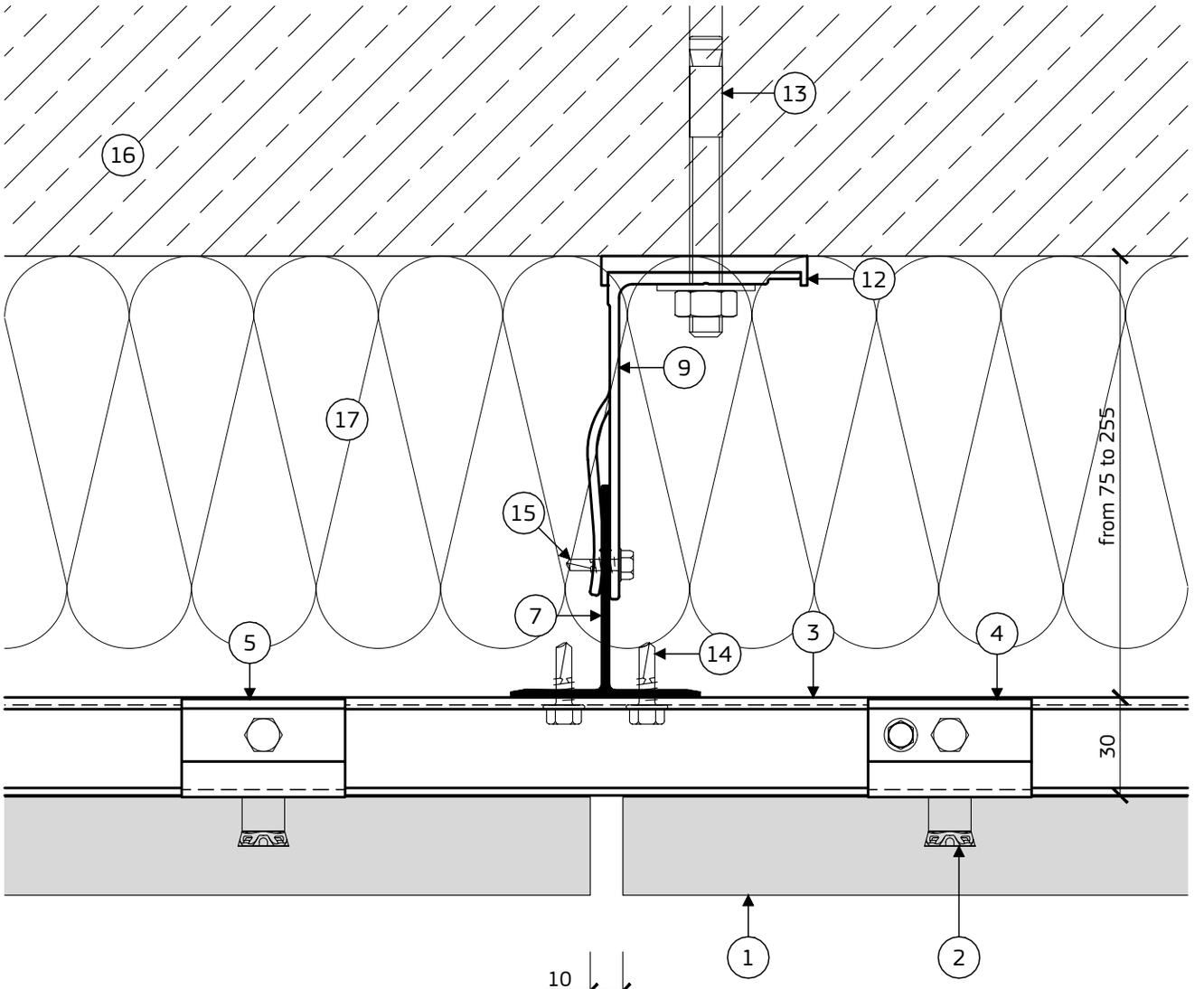
1. STONE PANEL
2. UNDERCUT ANCHOR fischer FZP II
3. HORIZONTAL RAIL, SLOTTED HOLES *art.No 06.3.631.xxx*
4. ADJUSTABLE HANGER FIXED POINT, M8, SET *art.No 06.301.8.50*
5. ADJUSTABLE HANGER SLIDING POINT, M8, SET *art.No 06.302.8.50*
6. HANGER SLIDING POINT, M8 *art.No 06.303.8.50*
7. PROFILE T58x65x2.7 *art.No 01.2.586527.xxx*
8. WALL BRACKET QVB 100/160, FIXED POINT *art.No 02.100.160.10*
9. WALL BRACKET QVB 100/70, SLIDING POINT *art.No 02.100.70.10*
10. WALL BRACKET QVB 125/70, SLIDING POINT *art.No 02.125.70.10*
11. THERMO-PAD 160x59 *art.No 05.59.160*
12. THERMO-PAD 70x59 *art.No 05.59.70*
13. FASTENER
14. SELF-DRILLING SCREW Ø6.3x19 mm, A2
15. SELF-DRILLING SCREW Ø4.8x16 mm, A2
16. CONCRETE / MASONRY WALL
17. INSULATION
18. WINDOW SYSTEM
19. METAL TRIM / FLASHING / COPING
20. PERFORATED ALUMINUM SHEET

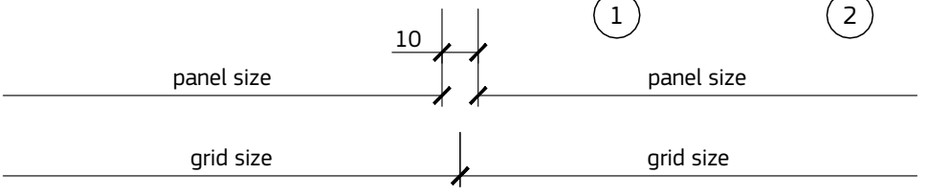
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

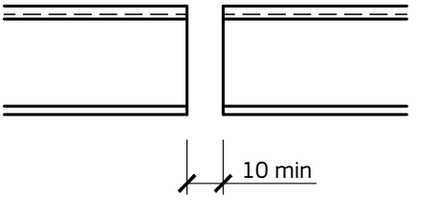
QV6.3 FLAT PANELS CONCEALED RAINSCREEN SYSTEM

1.1 PLAN DETAIL



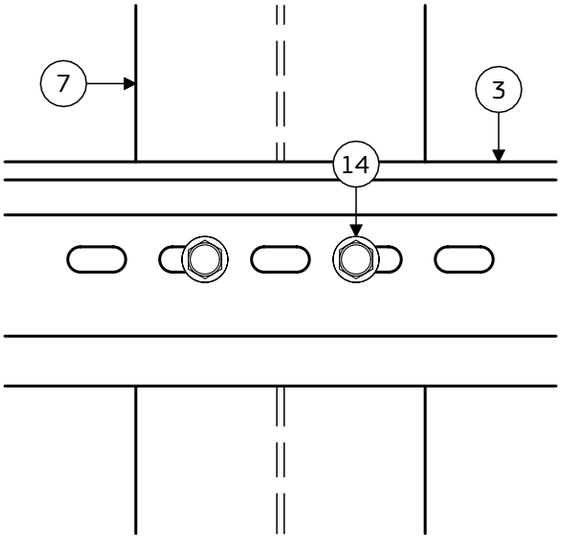


HORIZONTAL RAILS' JOINT

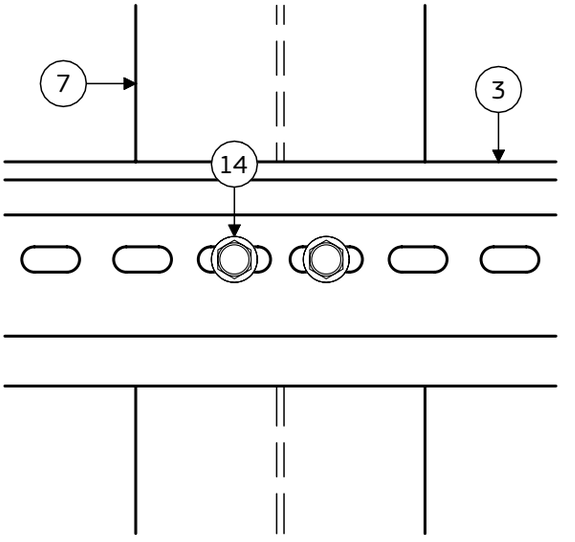


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

INSTALLATION DIAGRAM



FIXED POINT
(one per rail)

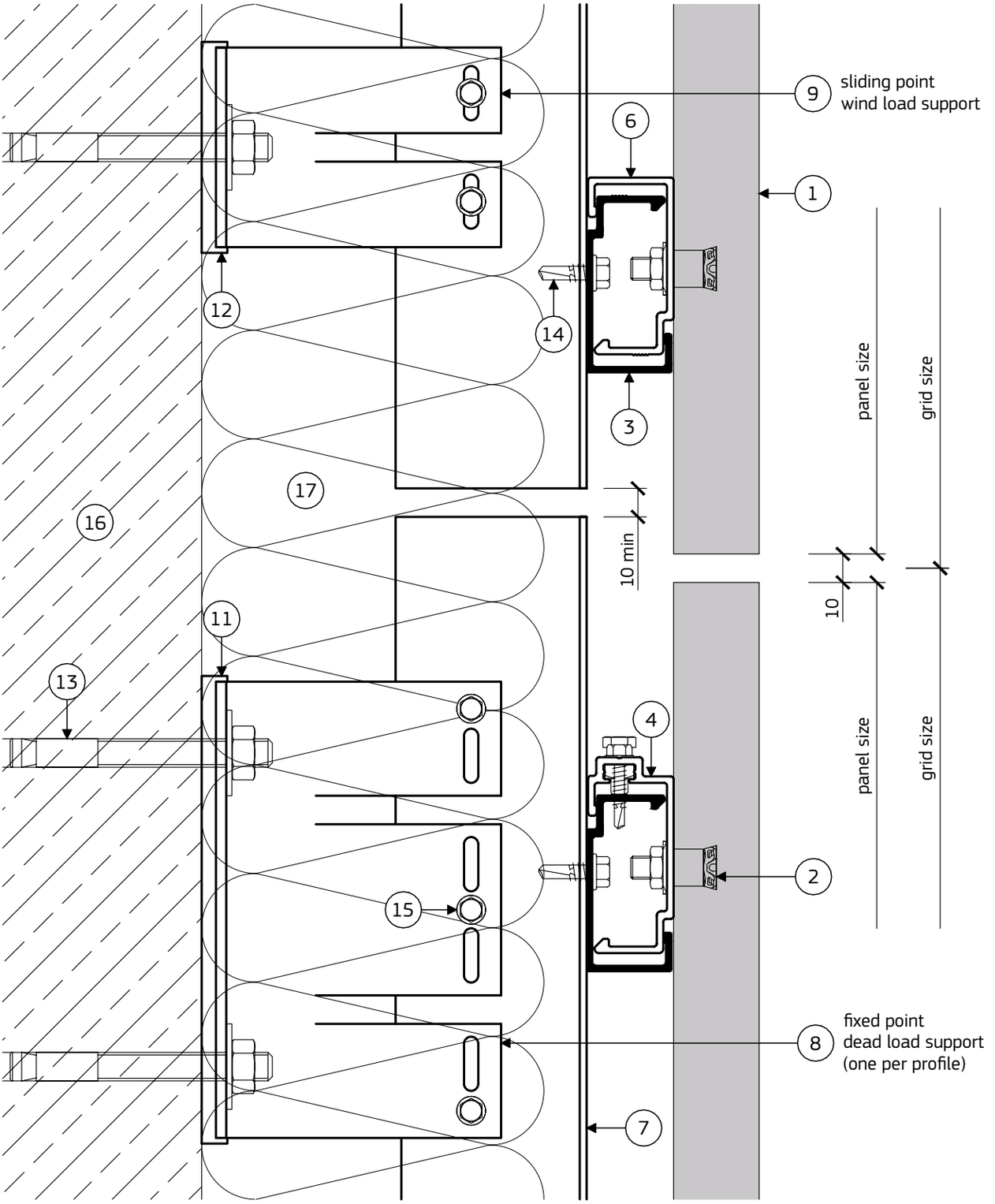


SLIDING POINT

The rails should be fixed at mid-length (fixed point) and allowed to expand toward the ends using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

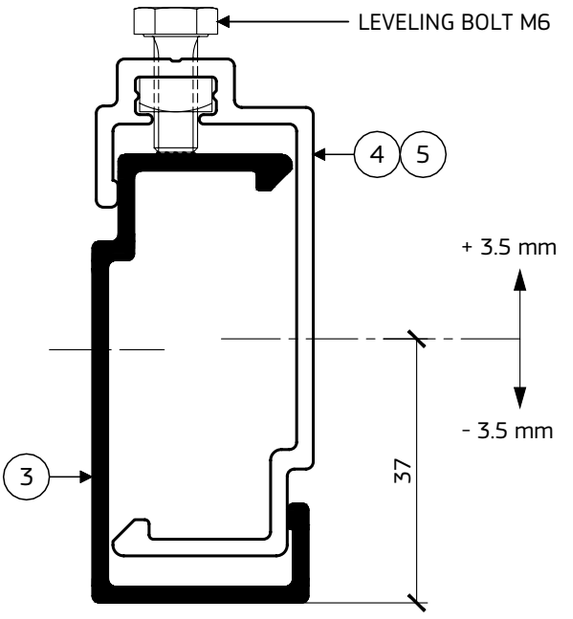
2.1 SECTION DETAIL

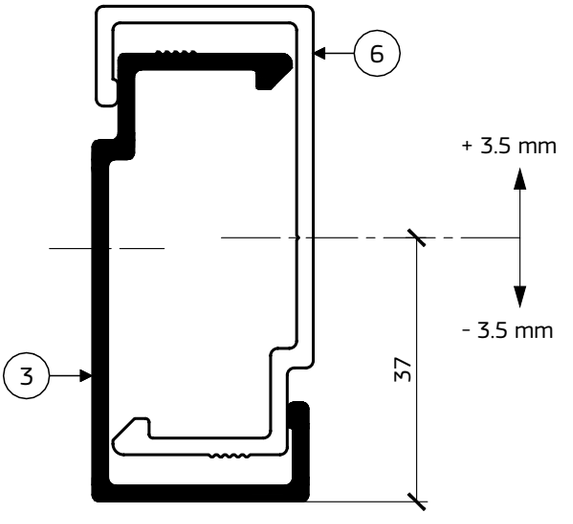


The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

INSTALLATION DIAGRAM



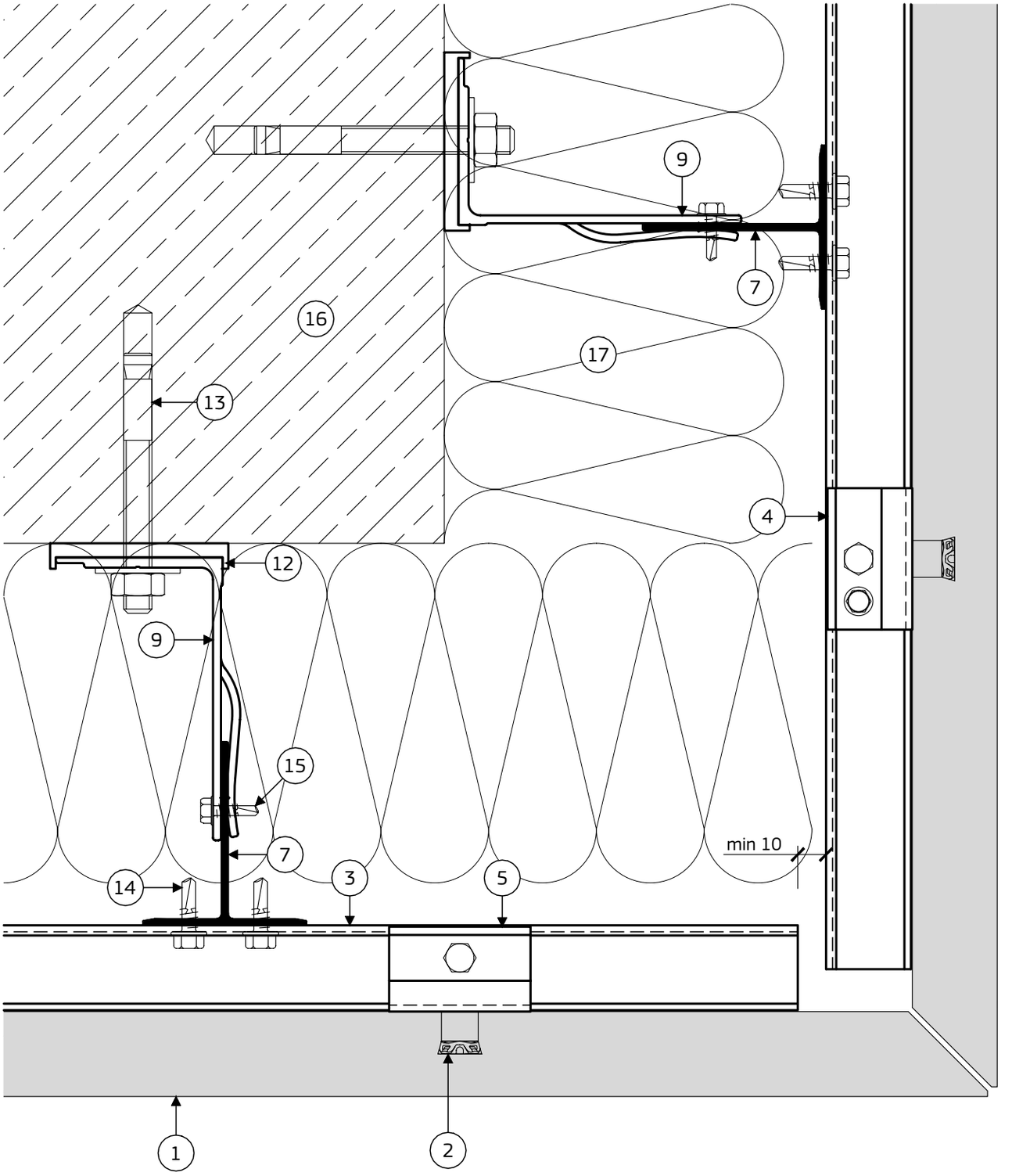


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

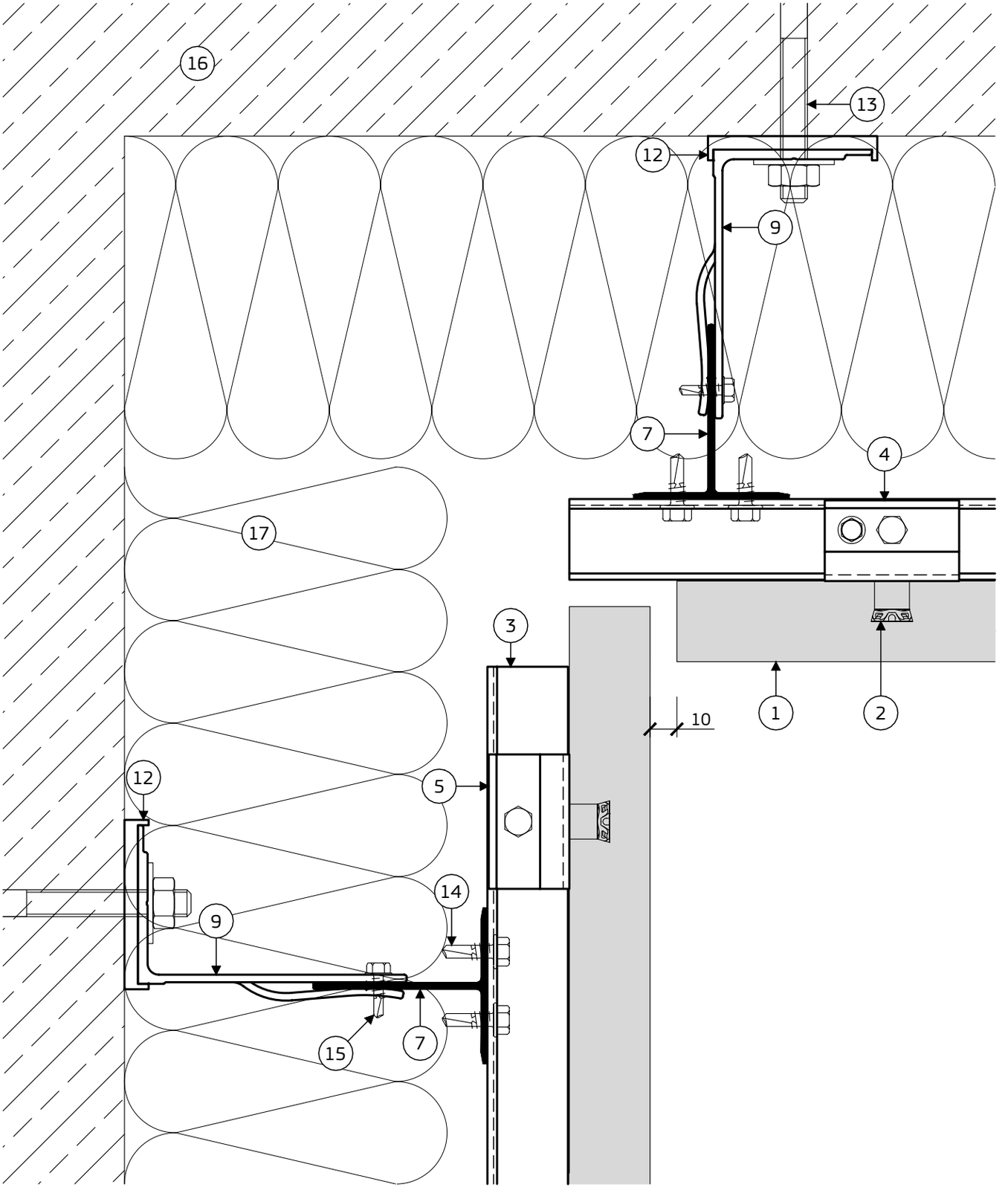
QV6.3 FLAT PANELS CONCEALED RAINSCREEN SYSTEM

3.1 PLAN DETAIL - OUTSIDE CORNER



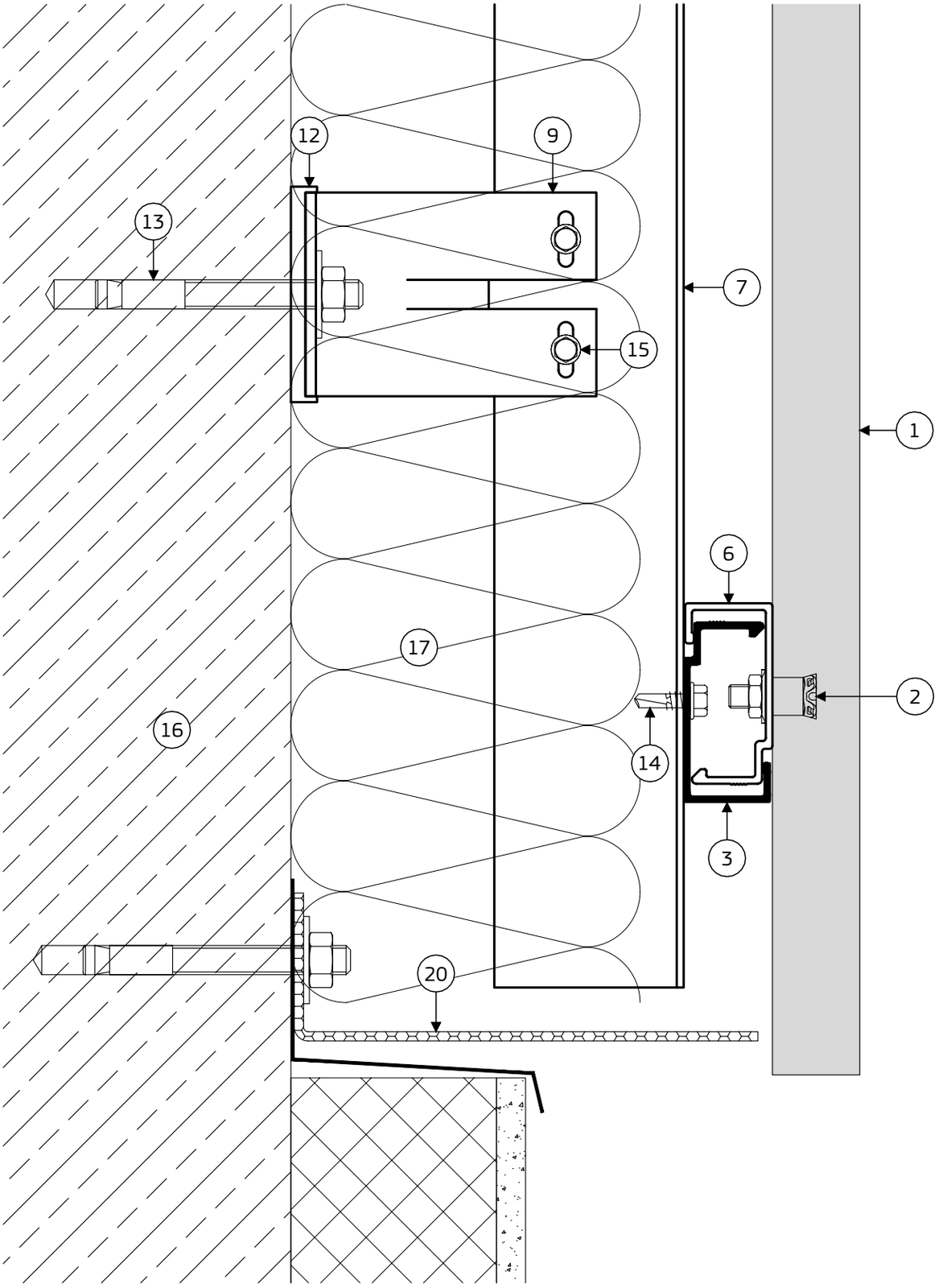
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



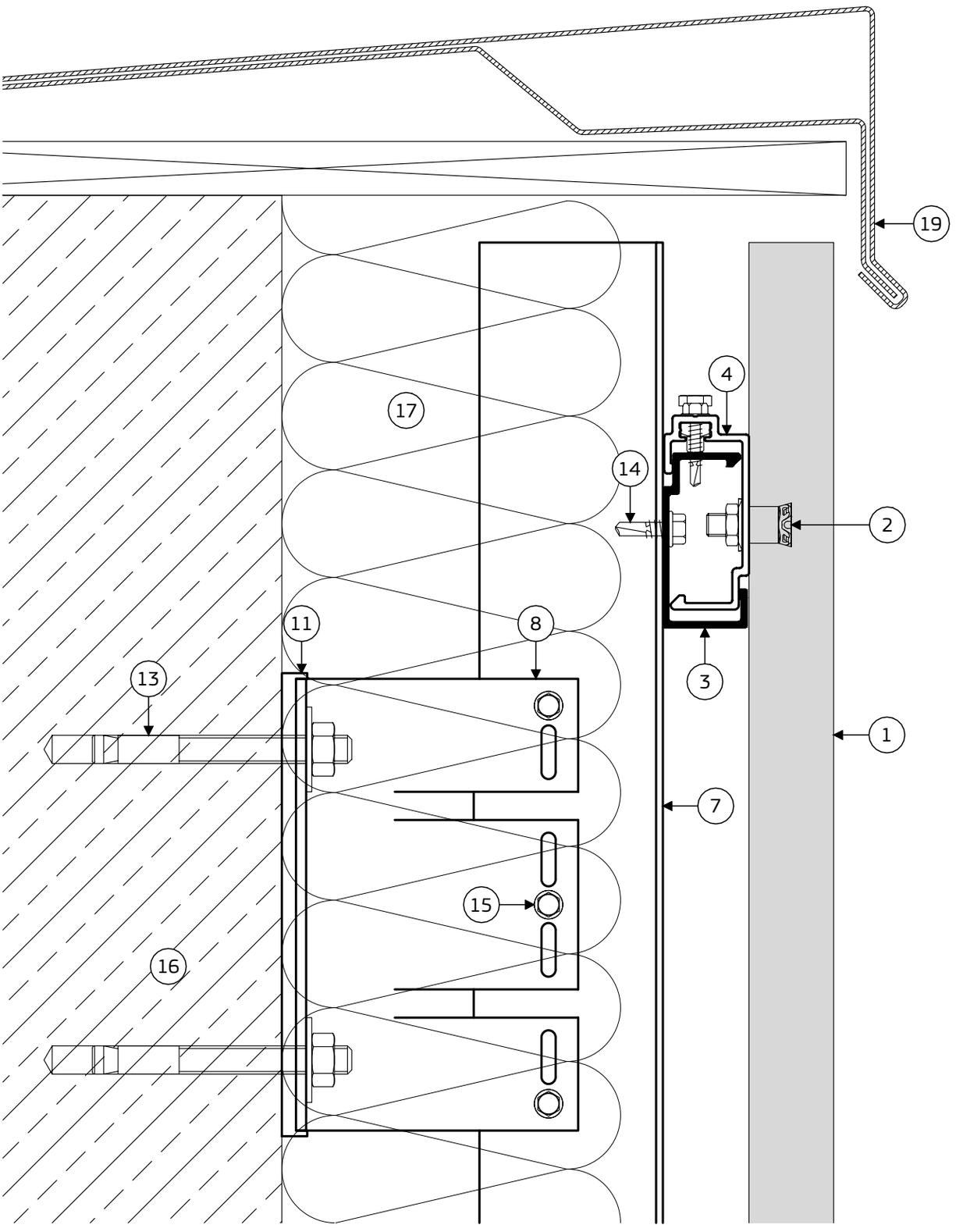
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



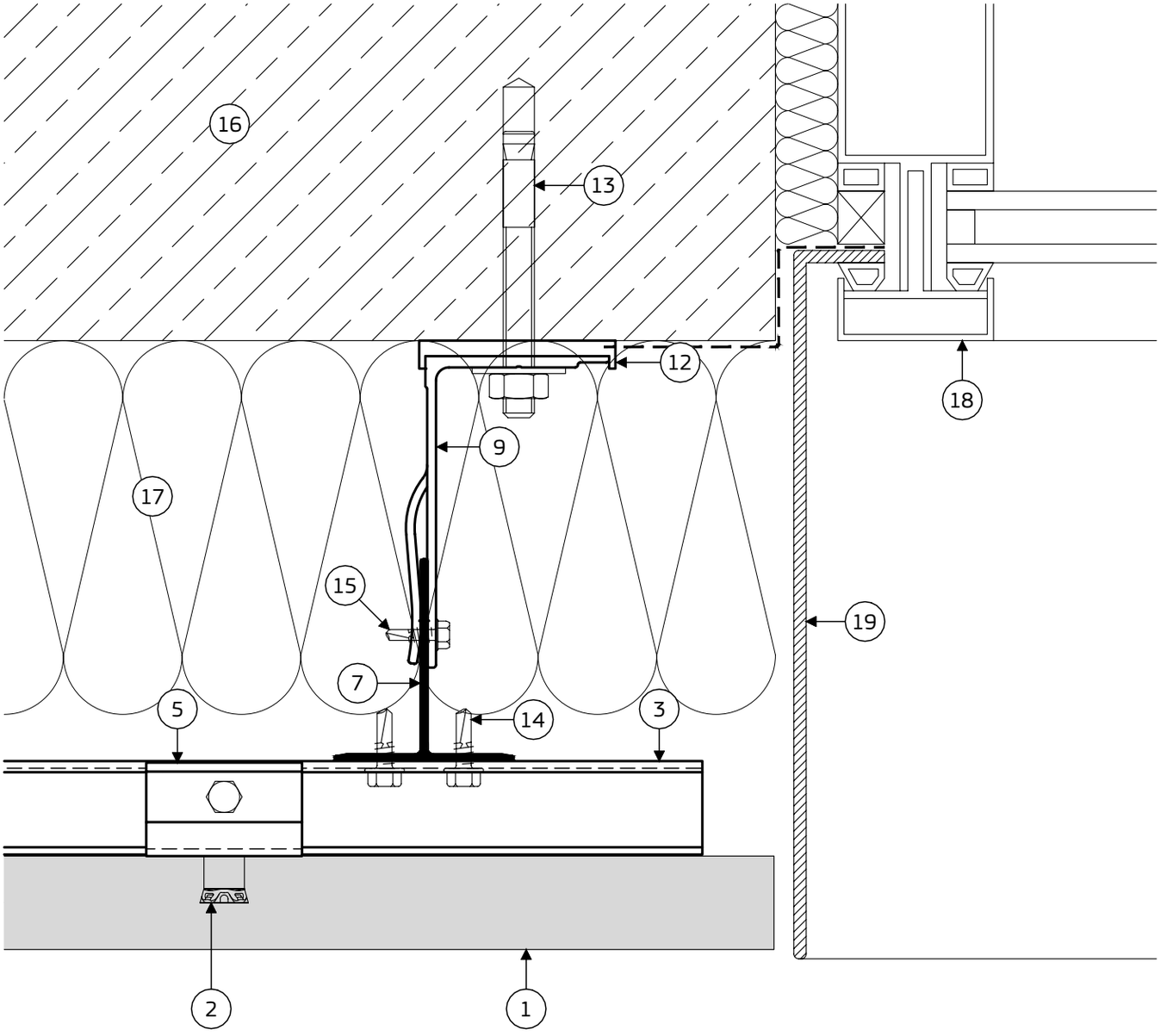
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



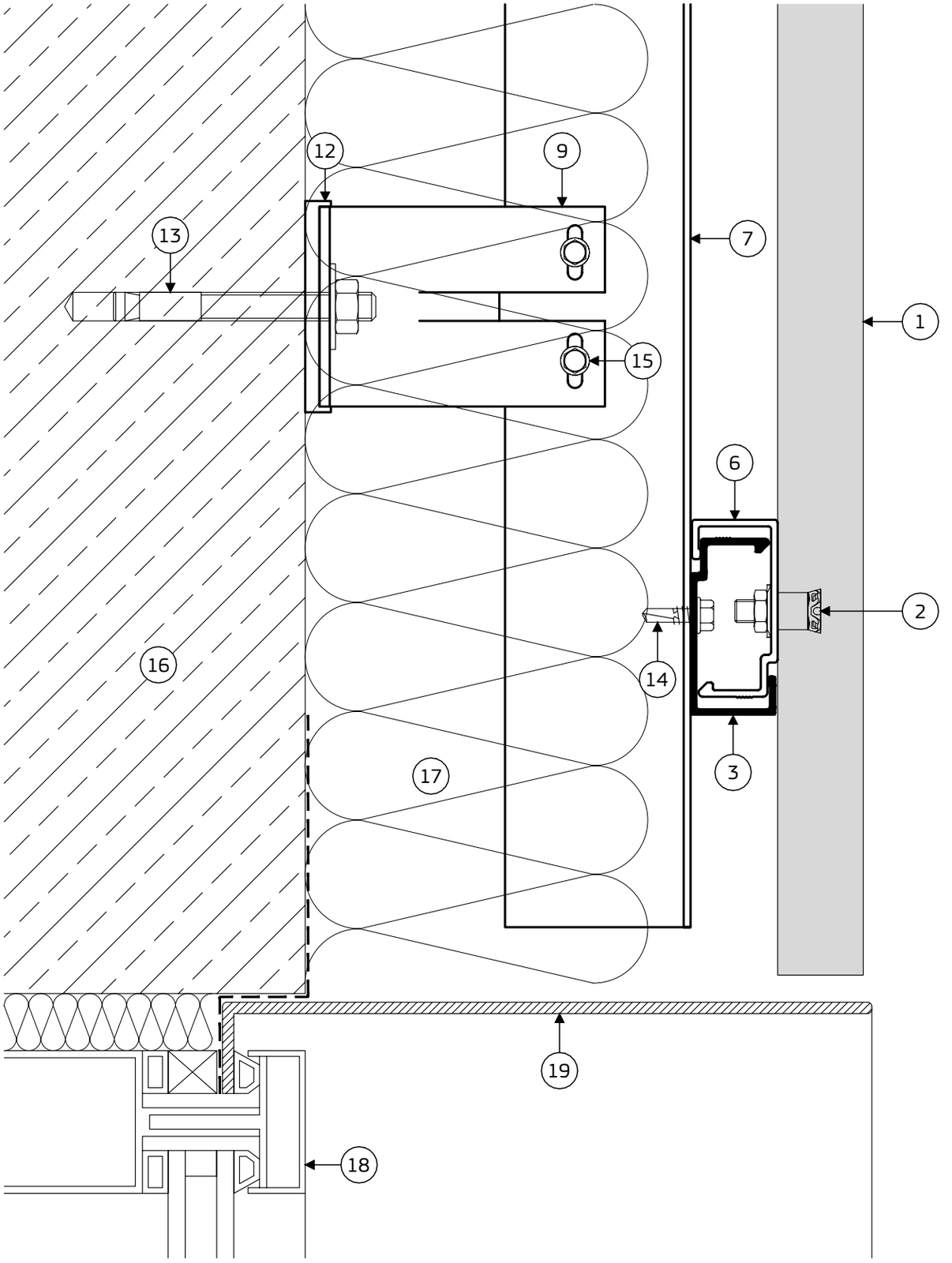
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



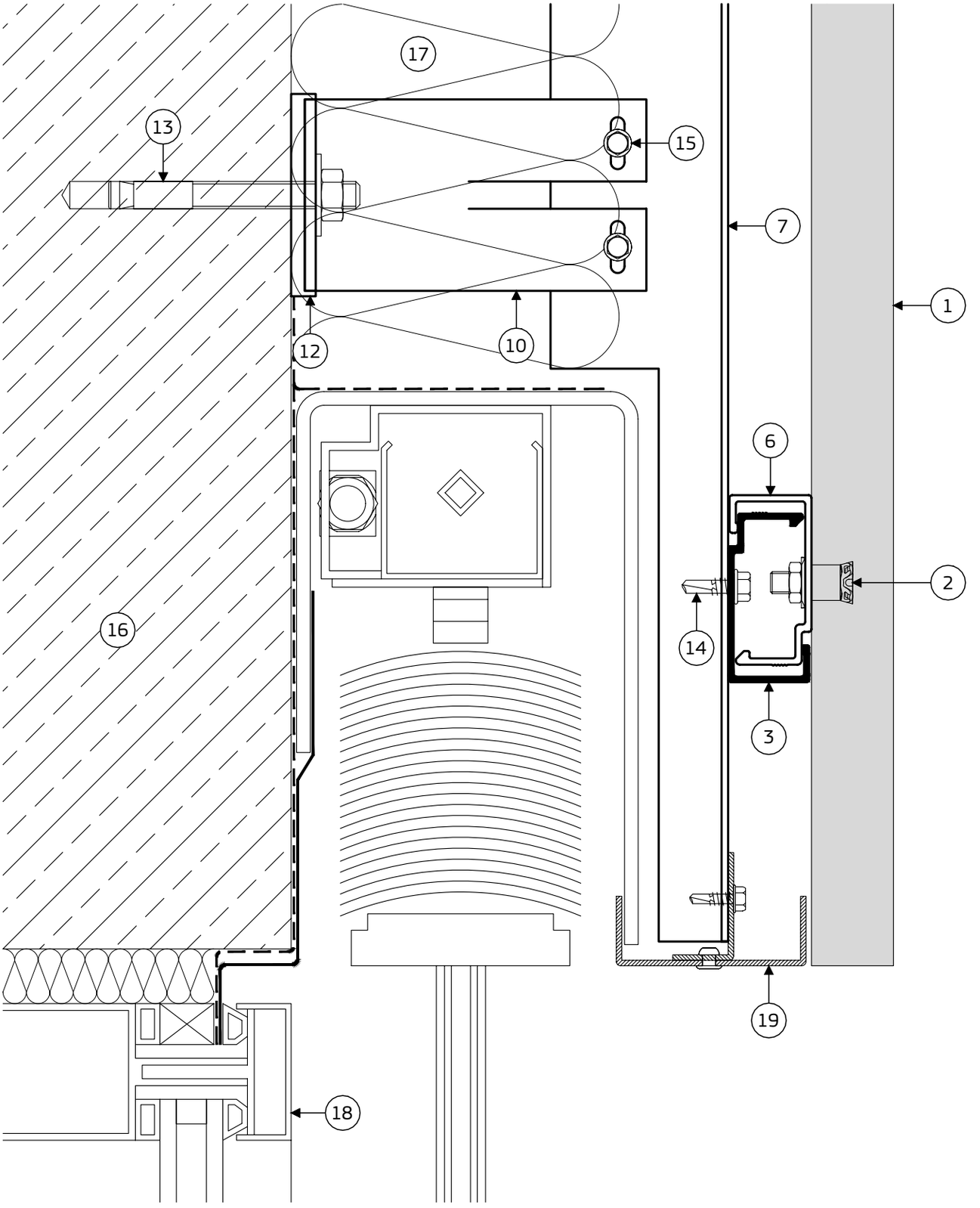
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



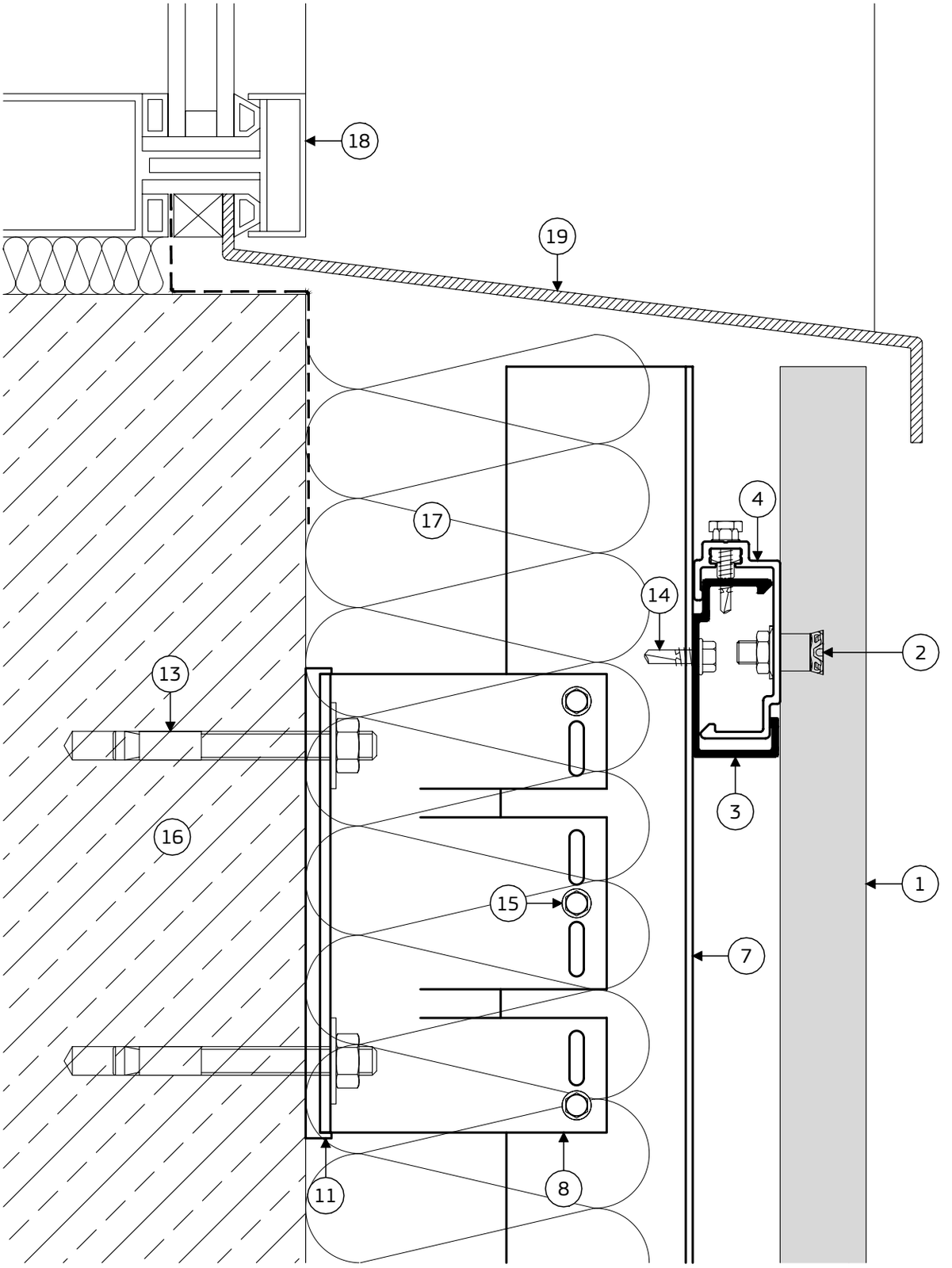
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



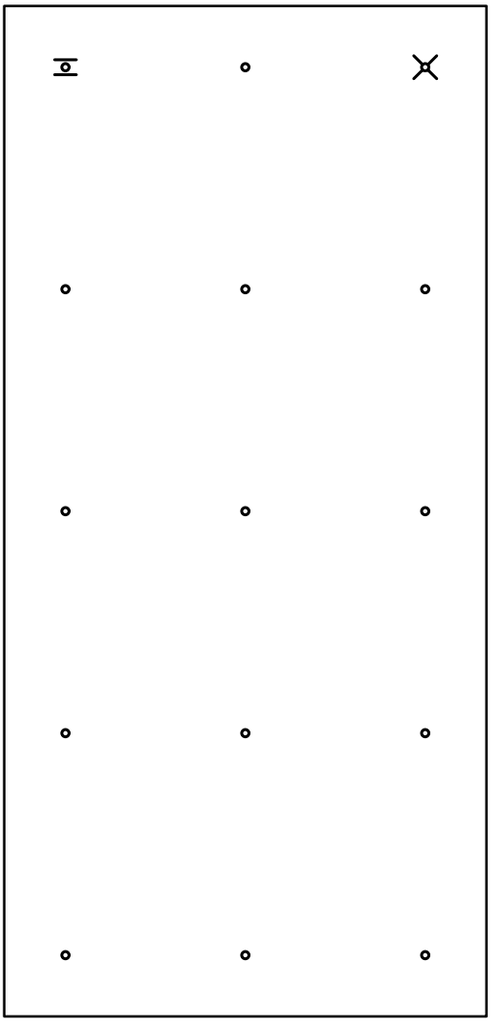
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL

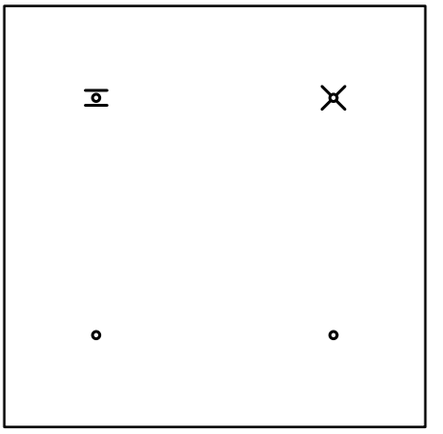


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

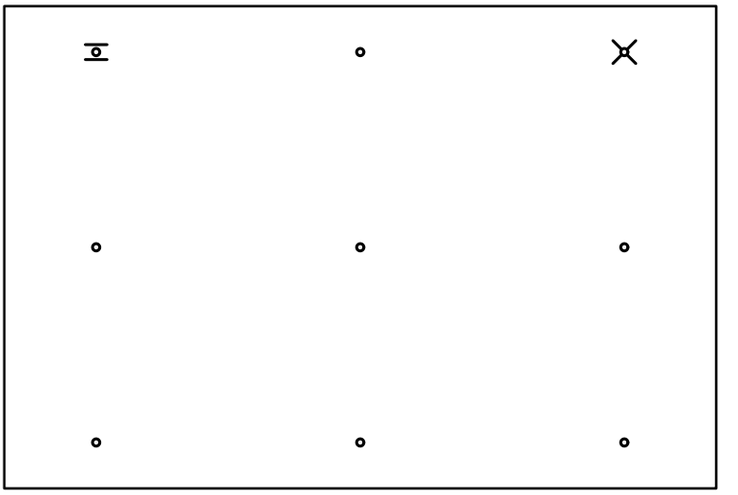
INSTALLATION DIAGRAMS



MULTI-SPAN PANEL



SINGLE-SPAN PANEL



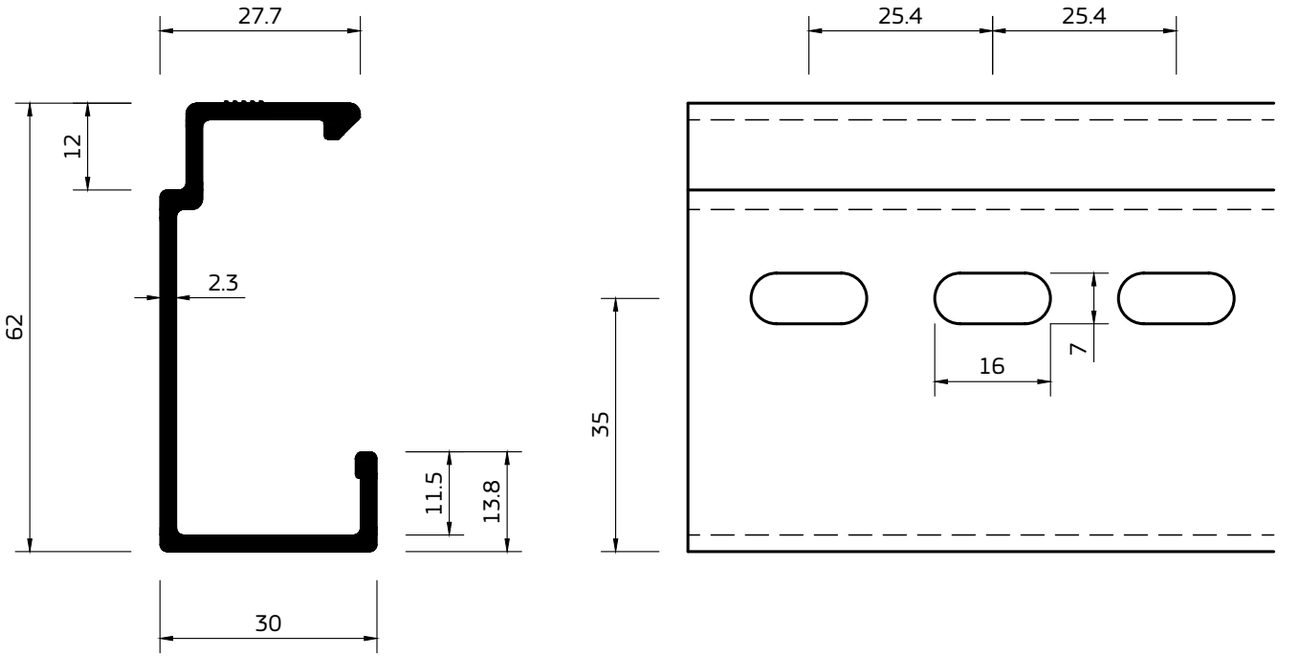
MULTI-SPAN PANEL

- Adjustable hanger fixed point (dead load support), one per panel
- Adjustable hanger sliding point (dead load support), one per panel
- Hanger sliding point (wind load support)

The diagrams are schematic.
Refer to panel manufacturer's technical data and installation instructions for the exact diagram.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS



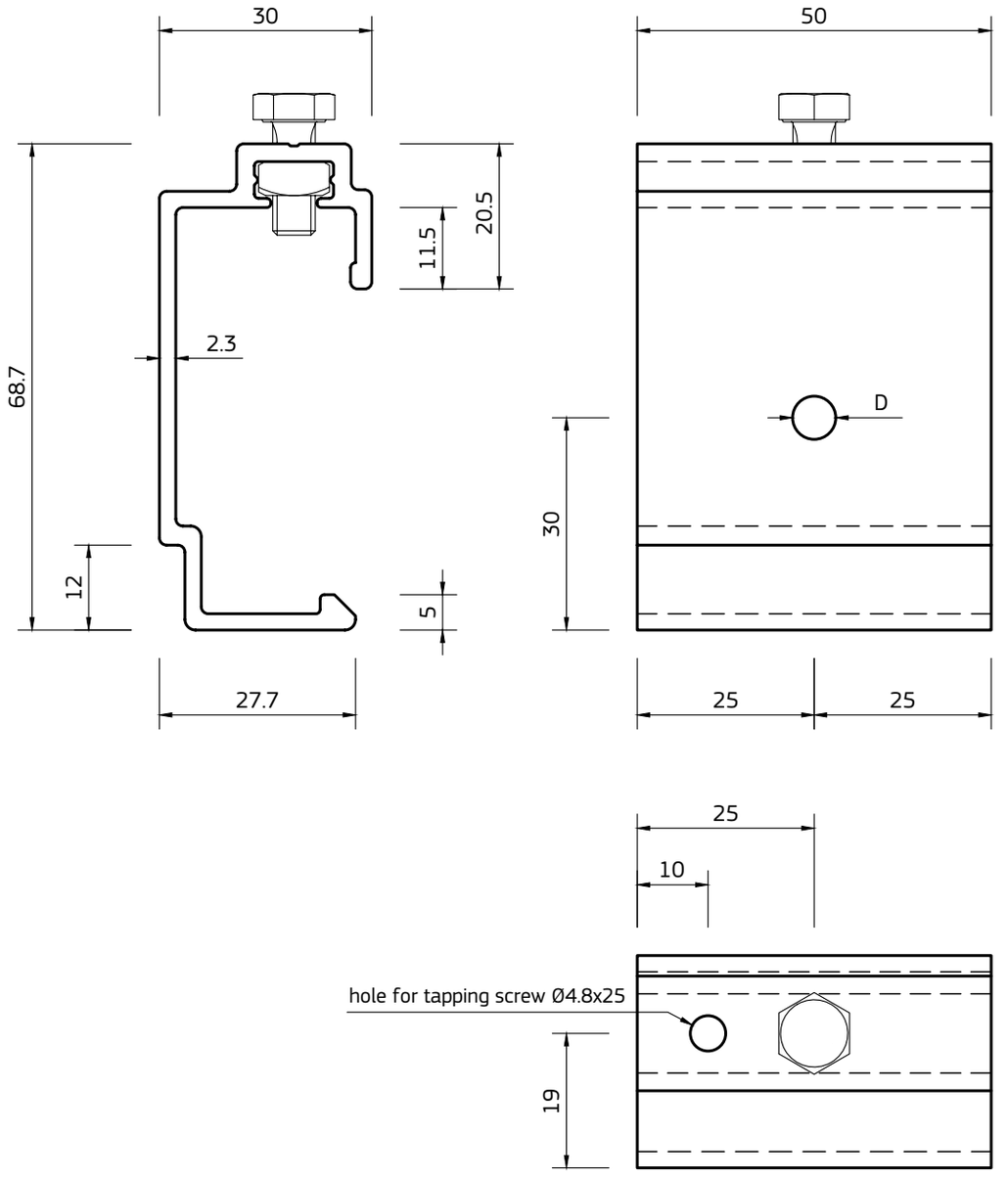
Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.3.xxx	Horizontal rail		unpainted	822 g/m
06.3.631.xxx	Horizontal rail, slotted holes (6.3)	7x16		

xxx - rail length

Standard length 6000 mm.
Other size slotted holes on request.
Painted rails or anodized finishes on request.

SYSTEM COMPONENTS



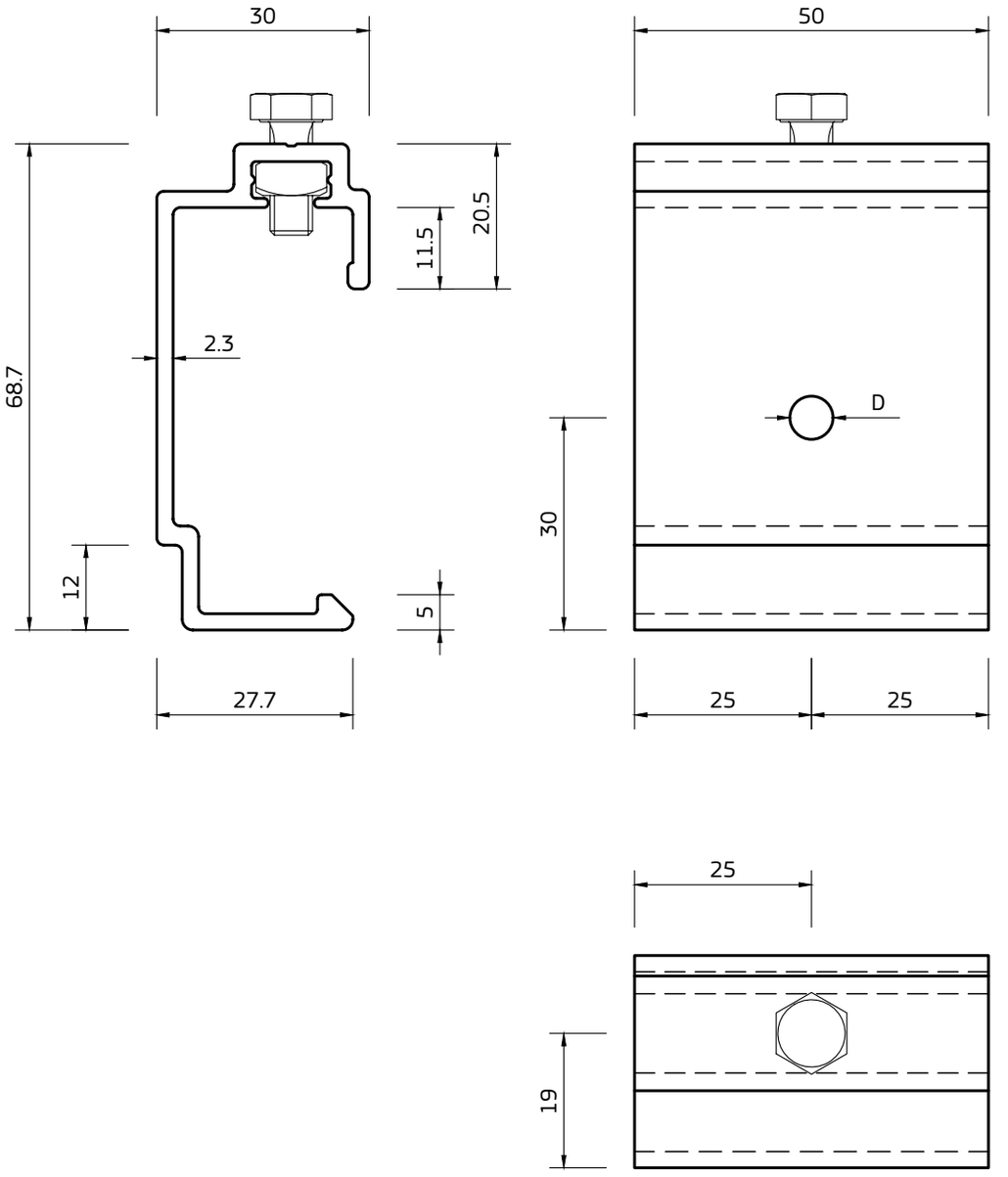
Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.301.5.50	Adjustable hanger fixed point, hole Ø5, set	Ø5.1	unpainted	47 g/pcs
06.301.6.50	Adjustable hanger fixed point, hole Ø6, set	Ø6.1		
06.301.8.50	Adjustable hanger fixed point, hole Ø8, set	Ø8.1		

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

10/2018

SYSTEM COMPONENTS

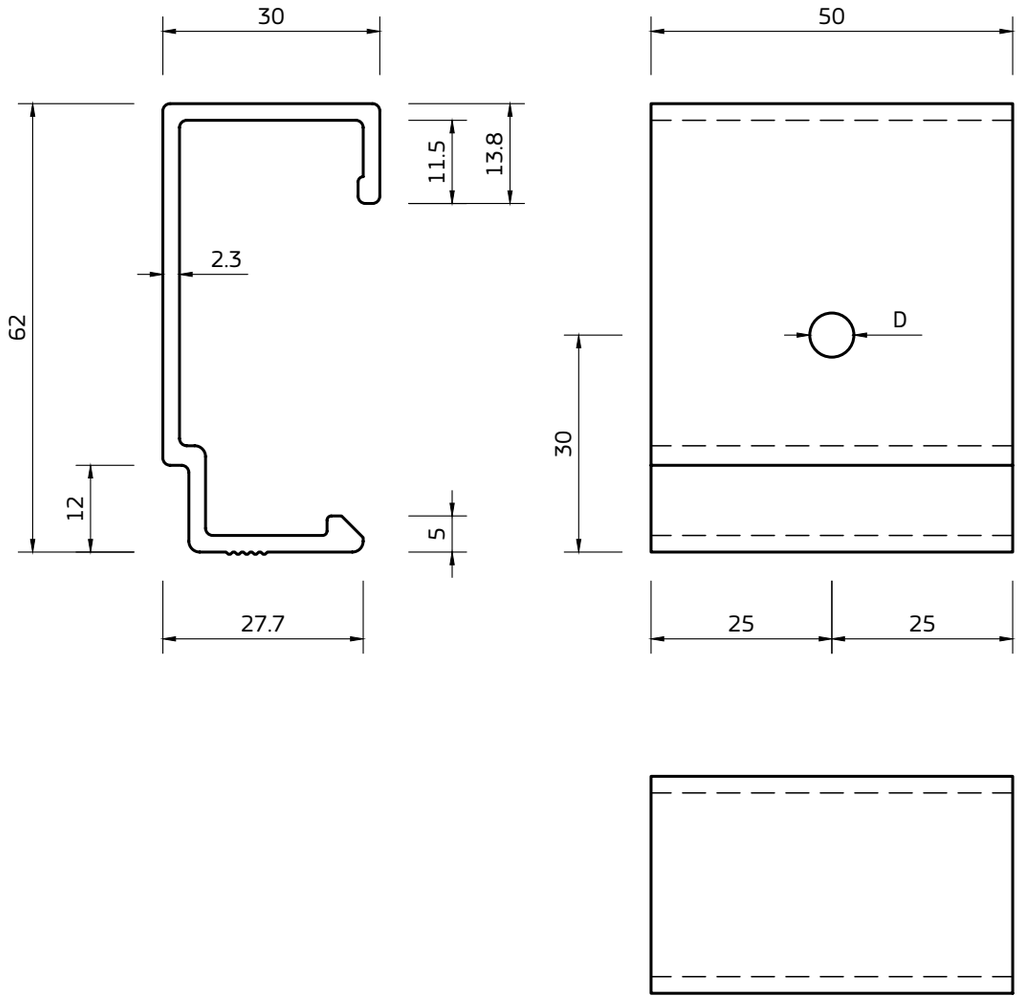


Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.302.5.50	Adjustable hanger sliding point, hole Ø5, set	Ø5.1	unpainted	47 g/pcs
06.302.6.50	Adjustable hanger sliding point, hole Ø6, set	Ø6.1		
06.302.8.50	Adjustable hanger sliding point, hole Ø8, set	Ø8.1		

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

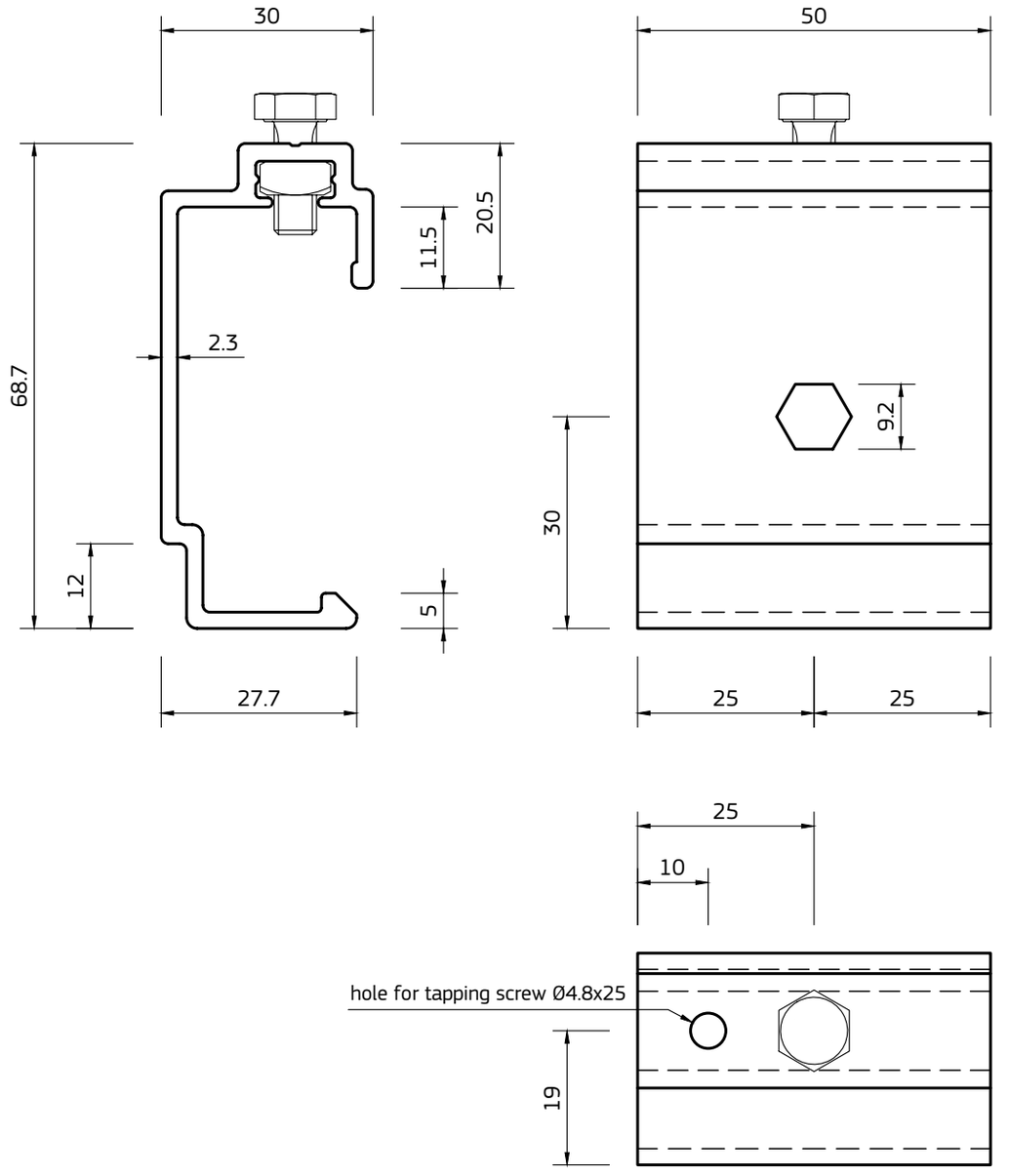


Material: AW 6063 T66

Article No	Description	Hole size D	Finish	Weight
06.303.5.50	Hanger sliding point, hole Ø5	Ø5.1	unpainted	41 g/pcs
06.303.6.50	Hanger sliding point, hole Ø6	Ø6.1		
06.303.8.50	Hanger sliding point, hole Ø8	Ø8.1		

Non-standard hangers on request.

SYSTEM COMPONENTS

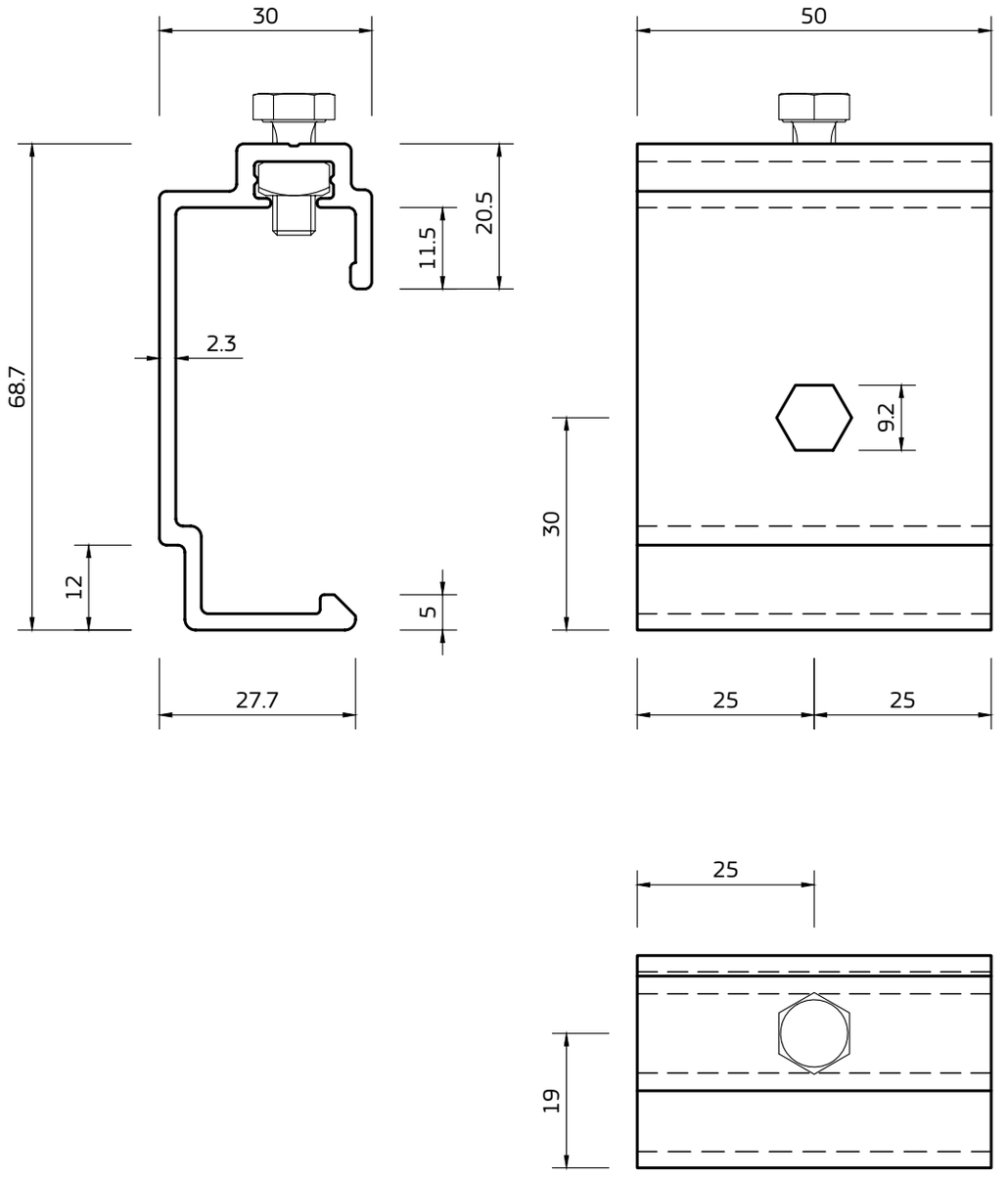


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.301.9.50	Adjustable hanger fixed point, hex hole, set	hex hole SW9	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

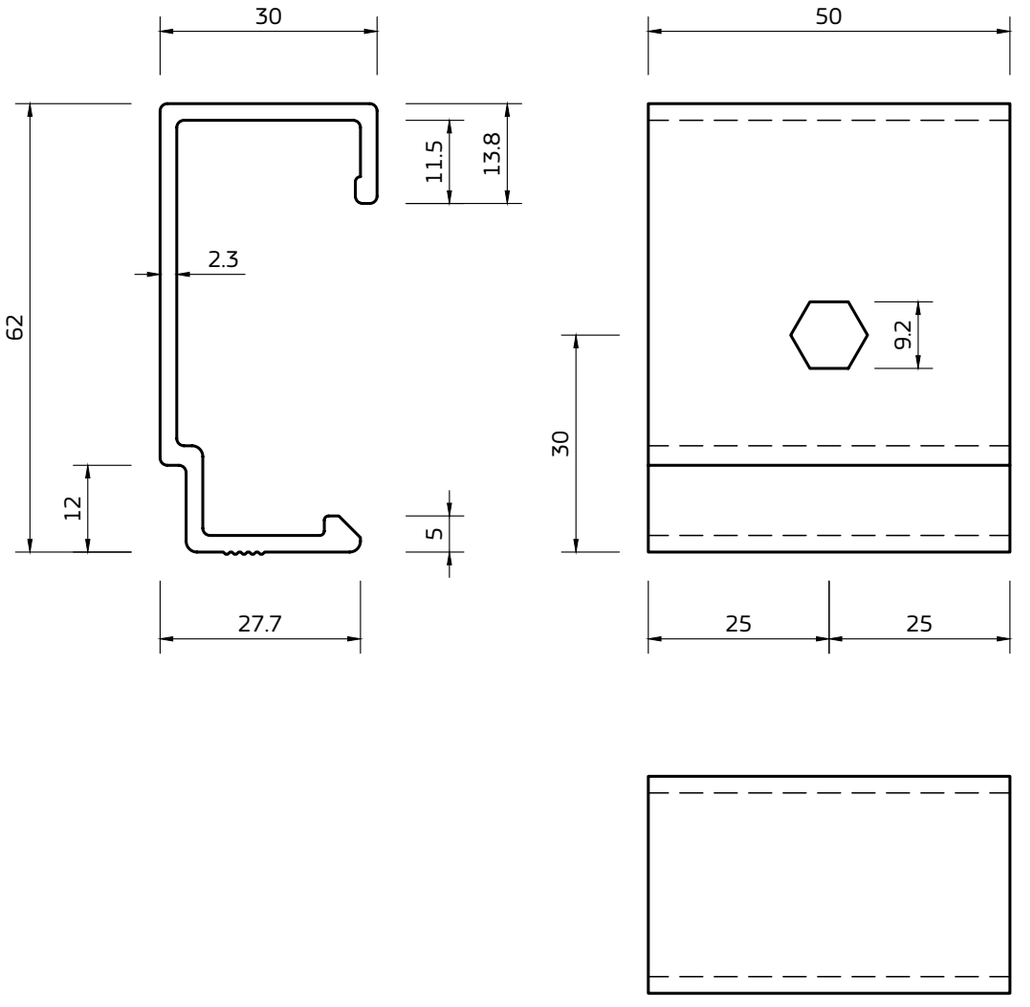


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.9.50	Adjustable hanger sliding point, hex hole, set	hex hole SW9	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

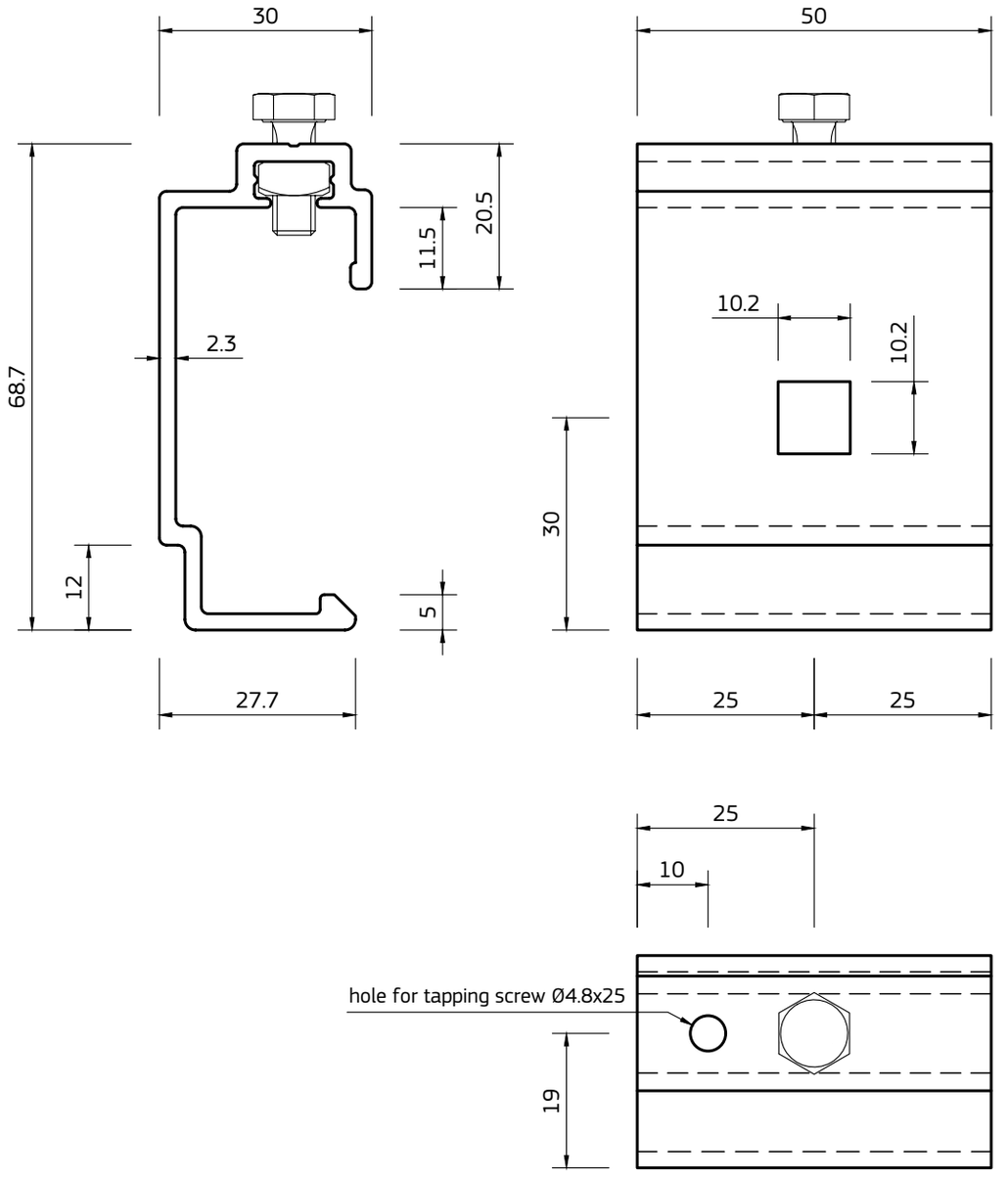


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.9.50	Hanger sliding point, hex hole	hex hole SW9	unpainted	41 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

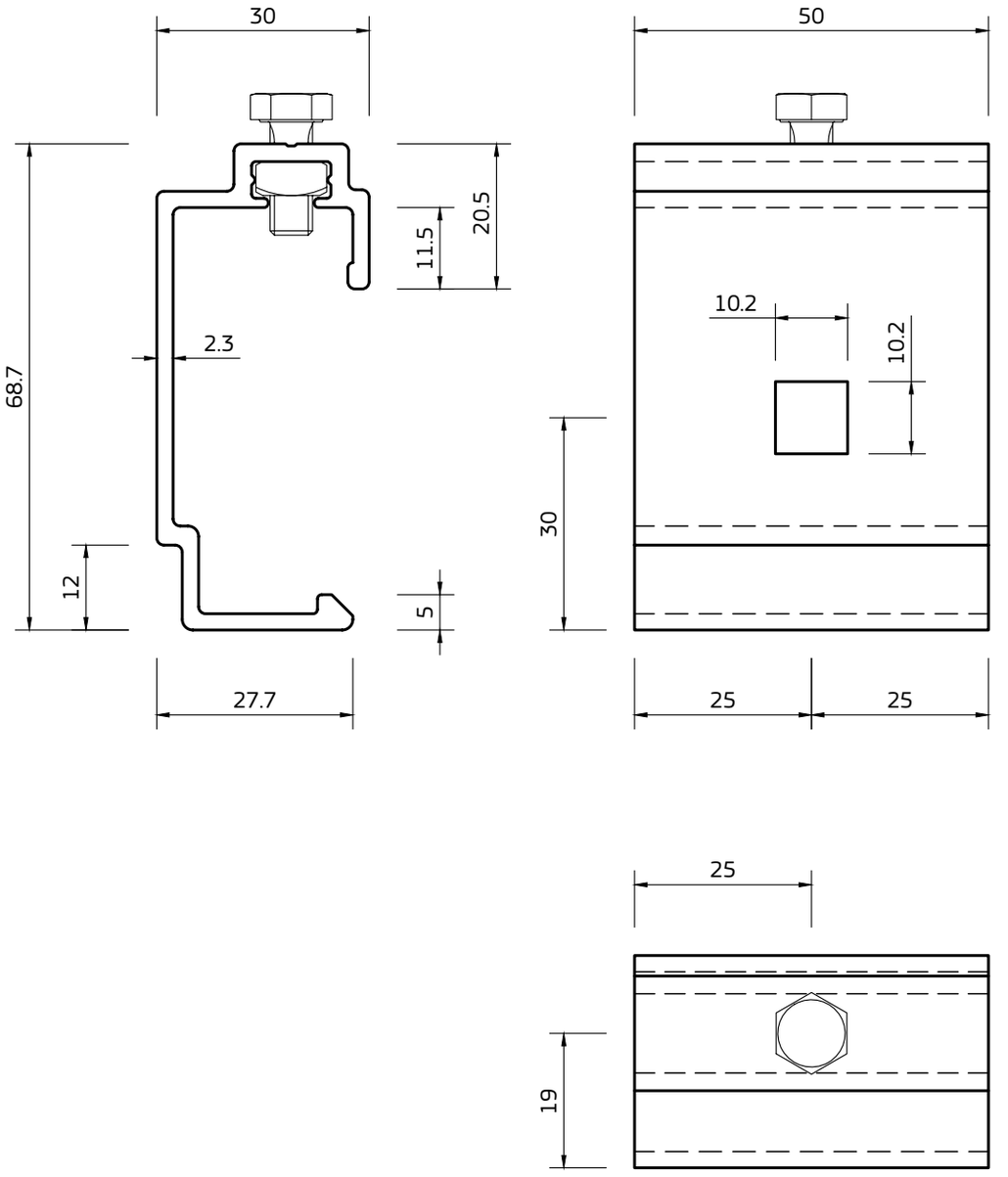


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.301.10.50	Adjustable hanger fixed point, square hole, set	square hole 10.2	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

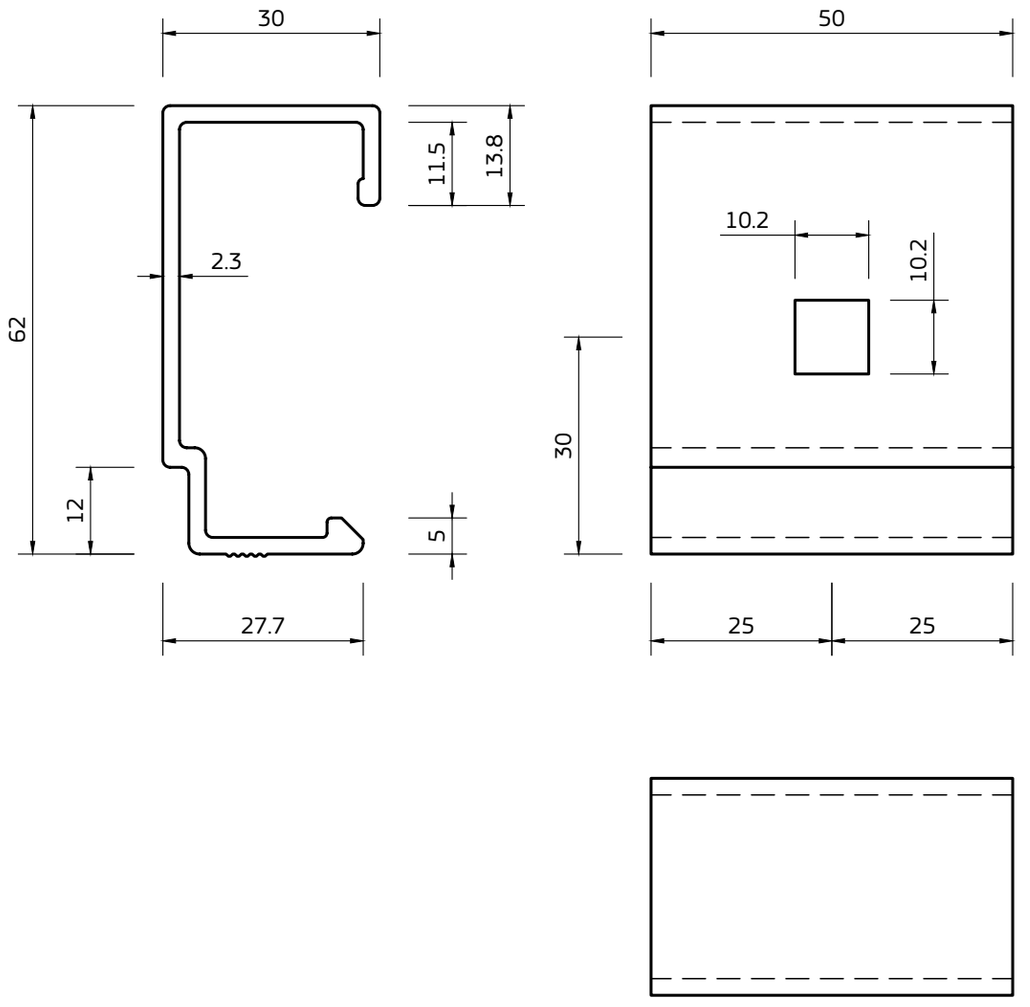


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.10.50	Adjustable hanger sliding point, square hole, set	square hole 10.2	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

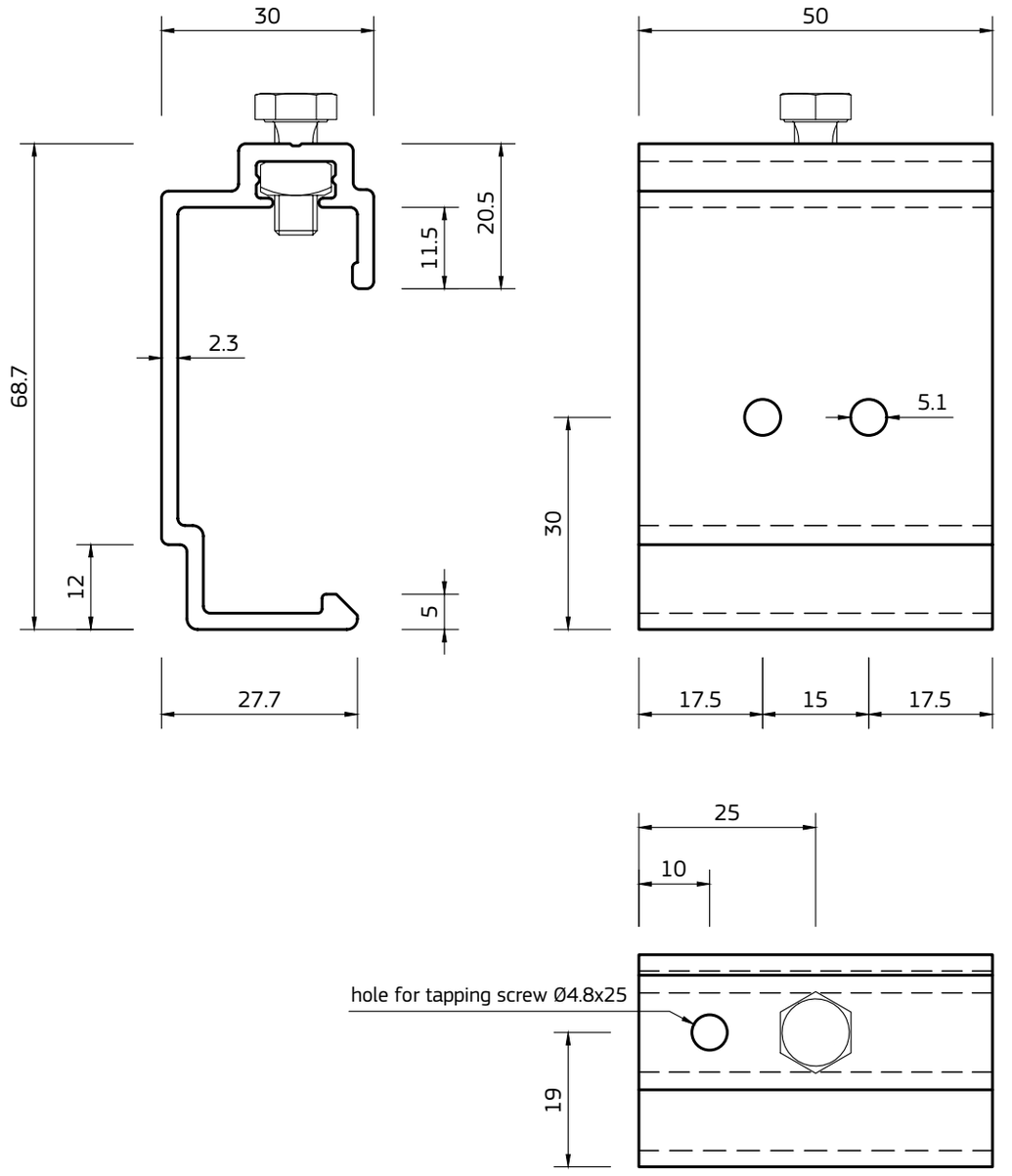


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.10.50	Hanger sliding point, square hole	square hole 10.2	unpainted	41 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

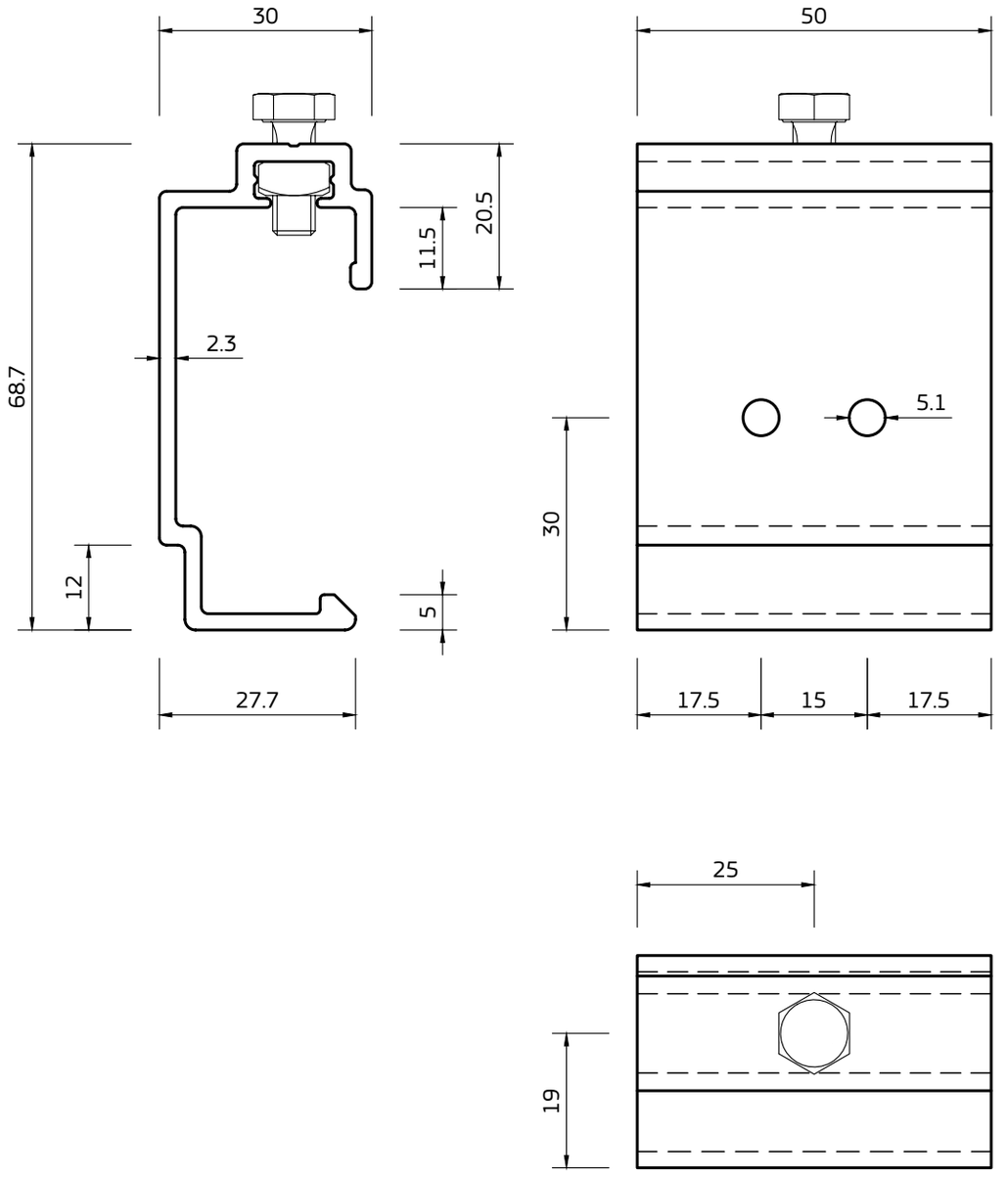


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.301.52.50	Adjustable hanger fixed point, holes Ø5, set	Ø5.1	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

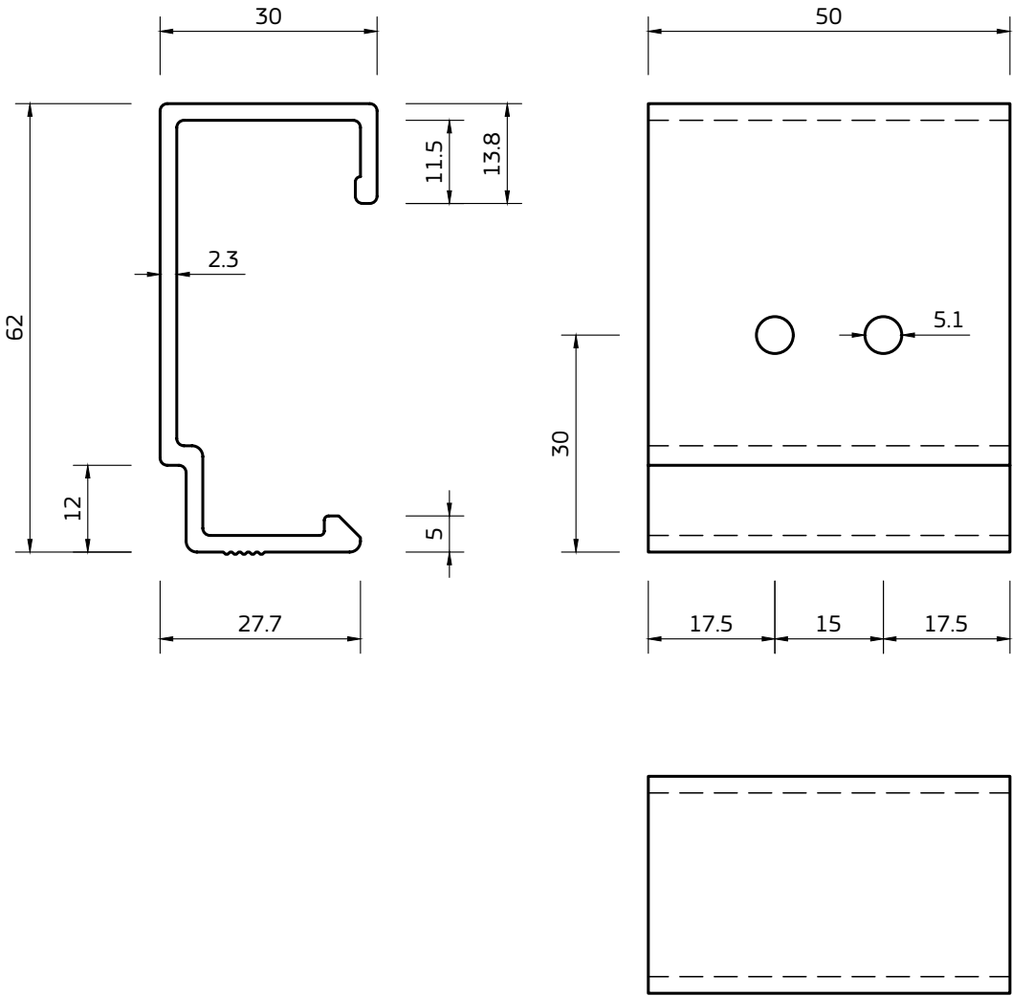


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.52.50	Adjustable hanger sliding point, holes Ø5, set	Ø5.1	unpainted	47 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

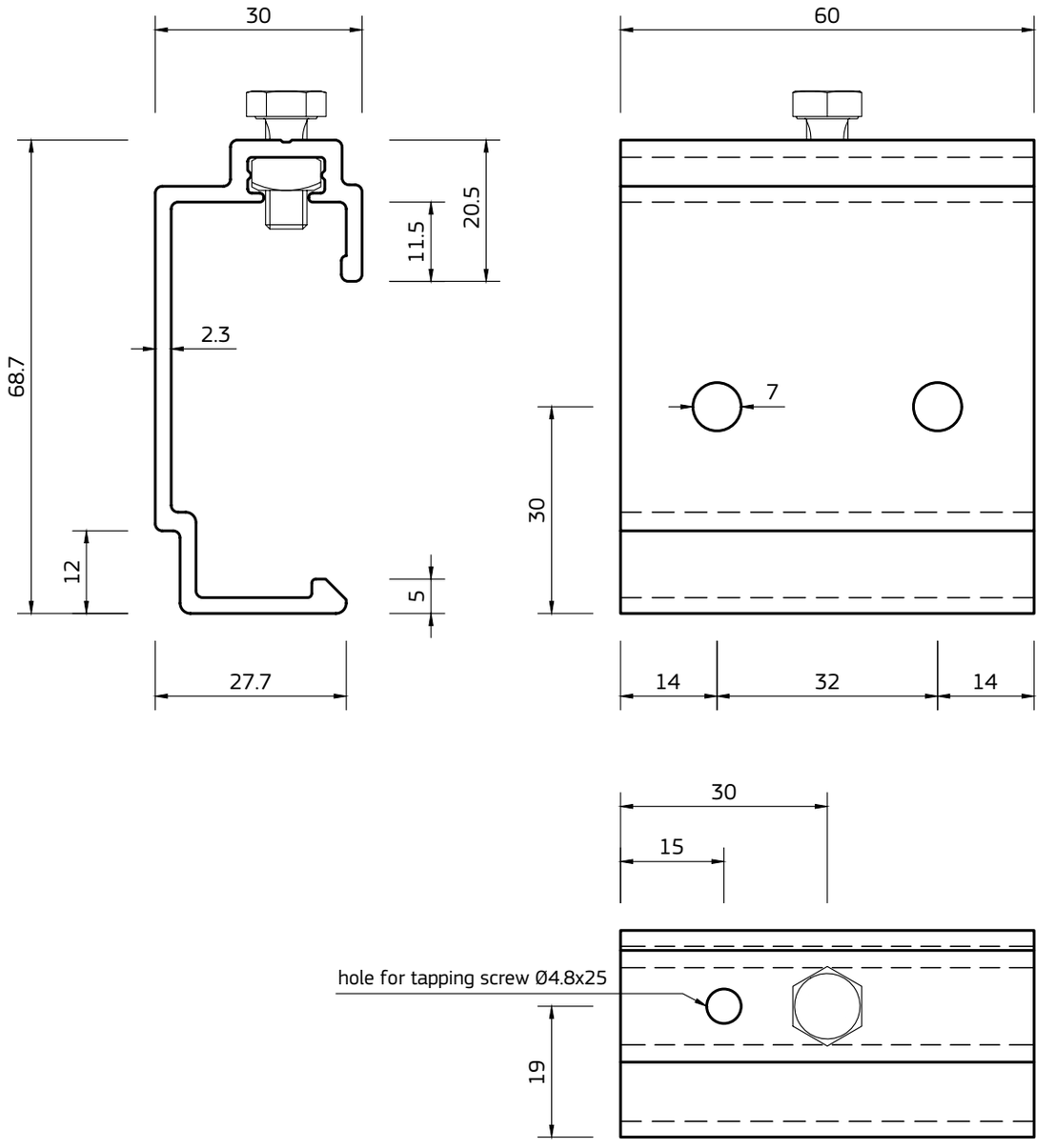


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.52.50	Hanger sliding point, holes Ø5	Ø5.1	unpainted	41 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

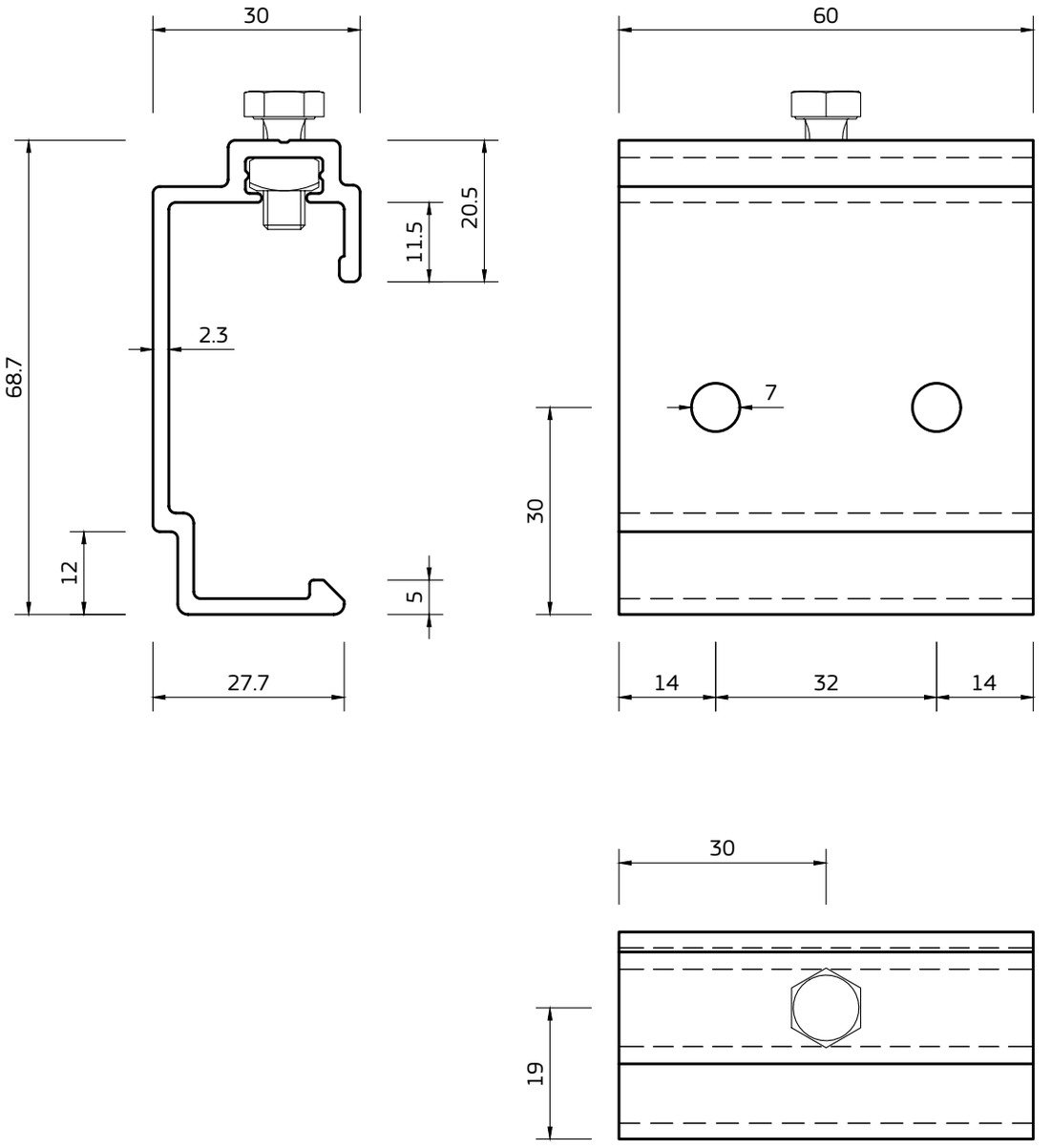


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.301.72.60	Adjustable hanger fixed point, holes Ø7, set	Ø7	unpainted	56 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

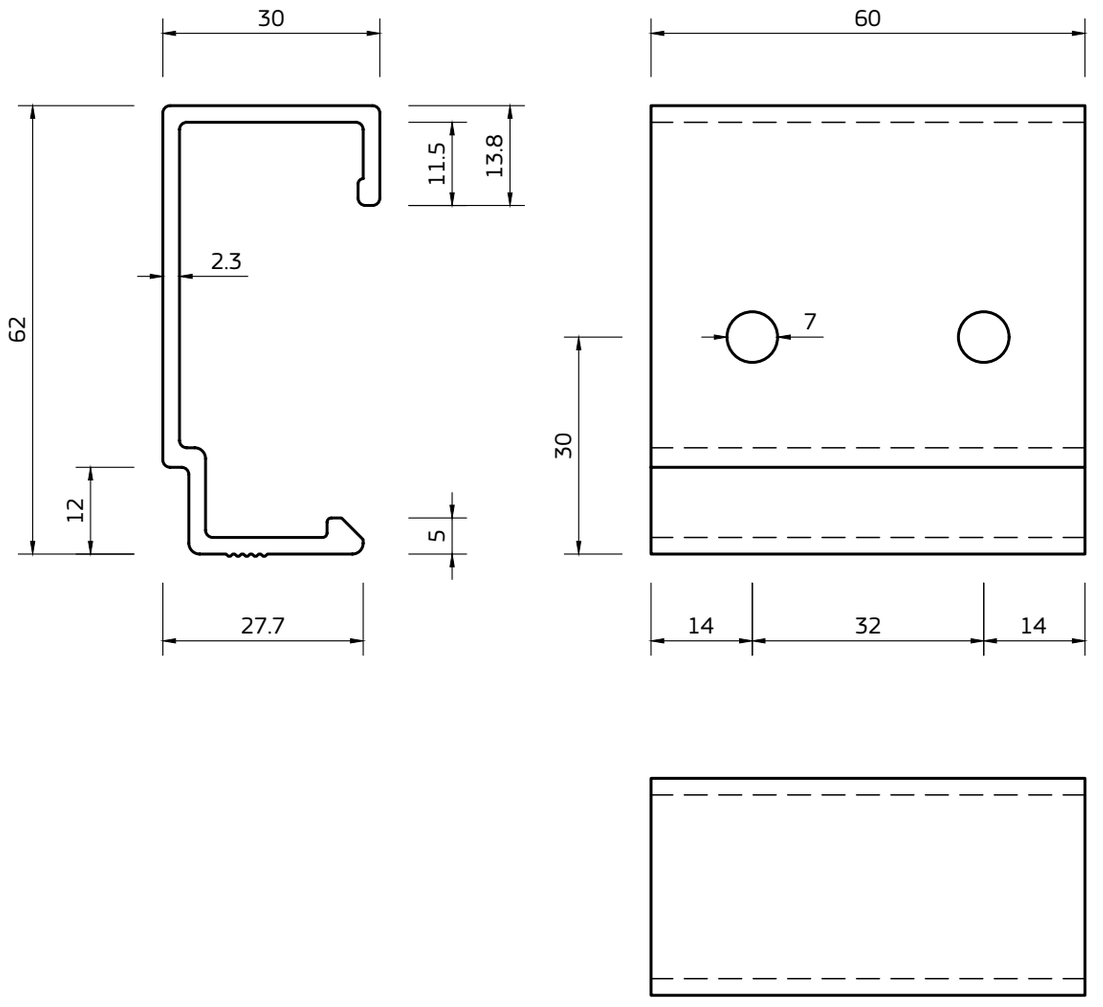


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.72.60	Adjustable hanger sliding point, holes Ø7, set	Ø7	unpainted	56 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

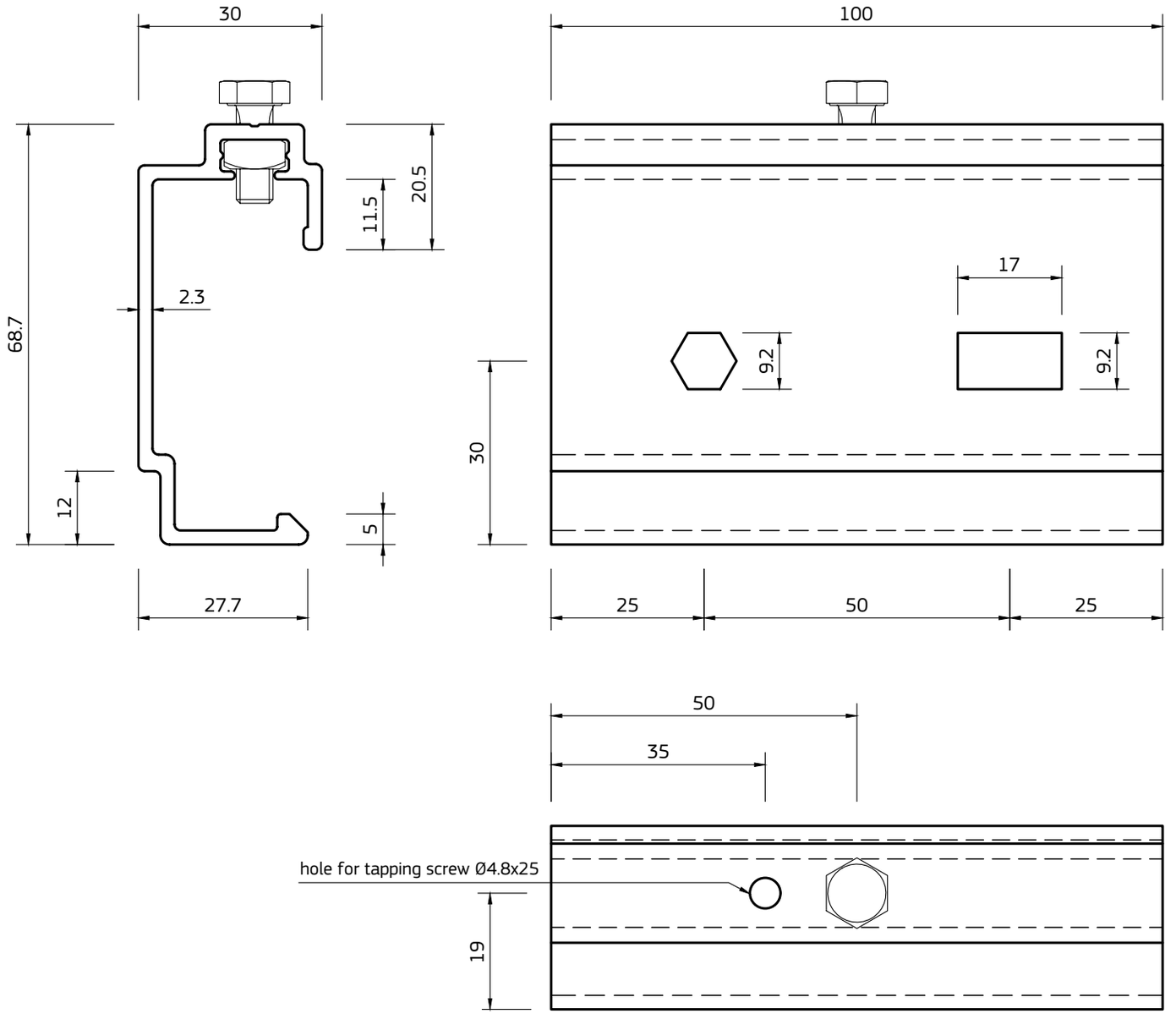


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.72.60	Hanger sliding point, holes Ø7	Ø7	unpainted	49 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS



Material: AW 6063 T66

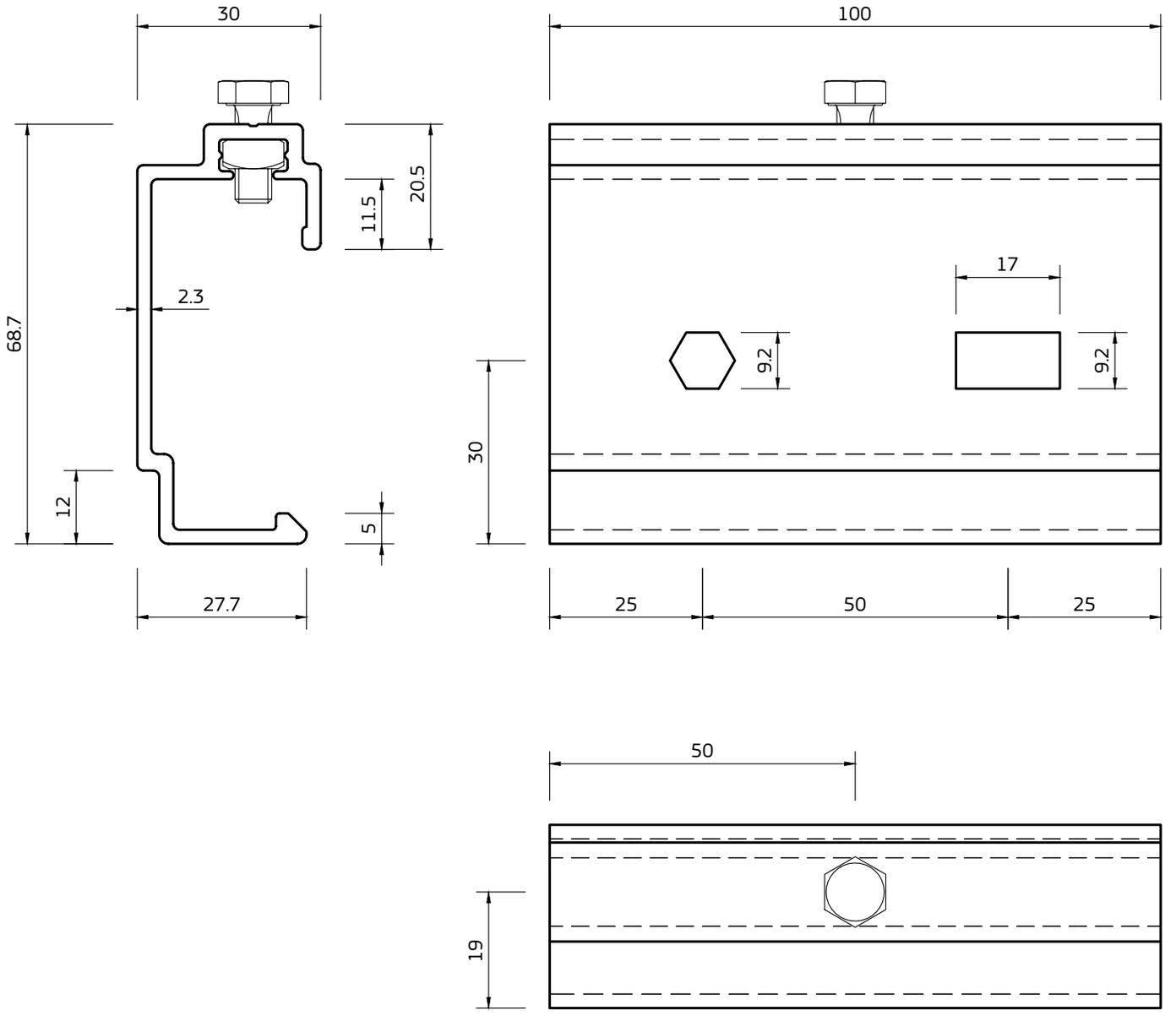
Article No	Description	Hole size	Finish	Weight
06.301.92.100	Adjustable hanger fixed point 100 mm, hex hole, set	per drawing	unpainted	93 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

Q-VENT

QV6.3 FLAT PANELS CONCEALED RAINSCREEN SYSTEM

SYSTEM COMPONENTS

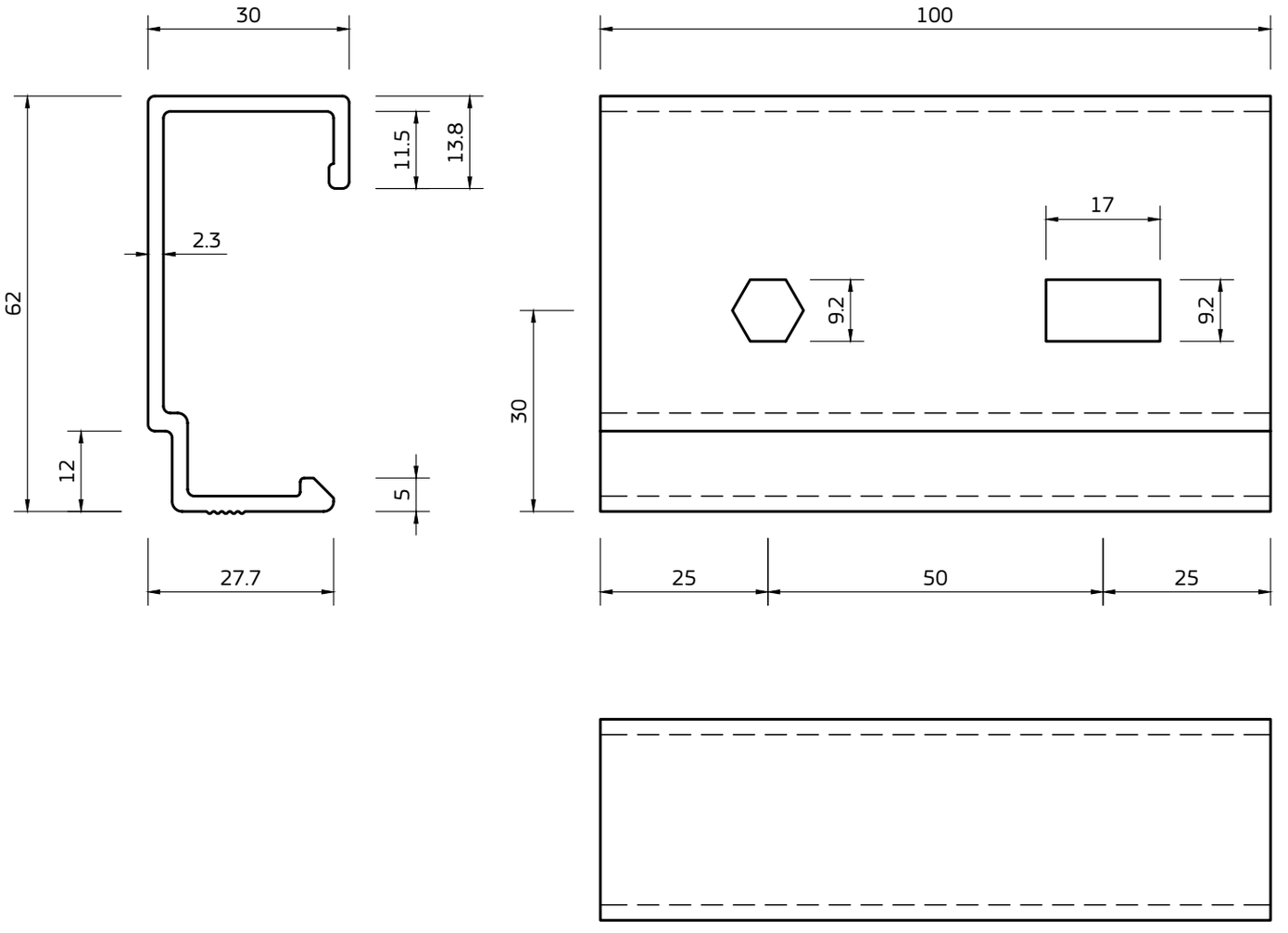


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.92.100	Adjustable hanger sliding point 100 mm, hex hole, set	per drawing	unpainted	93 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

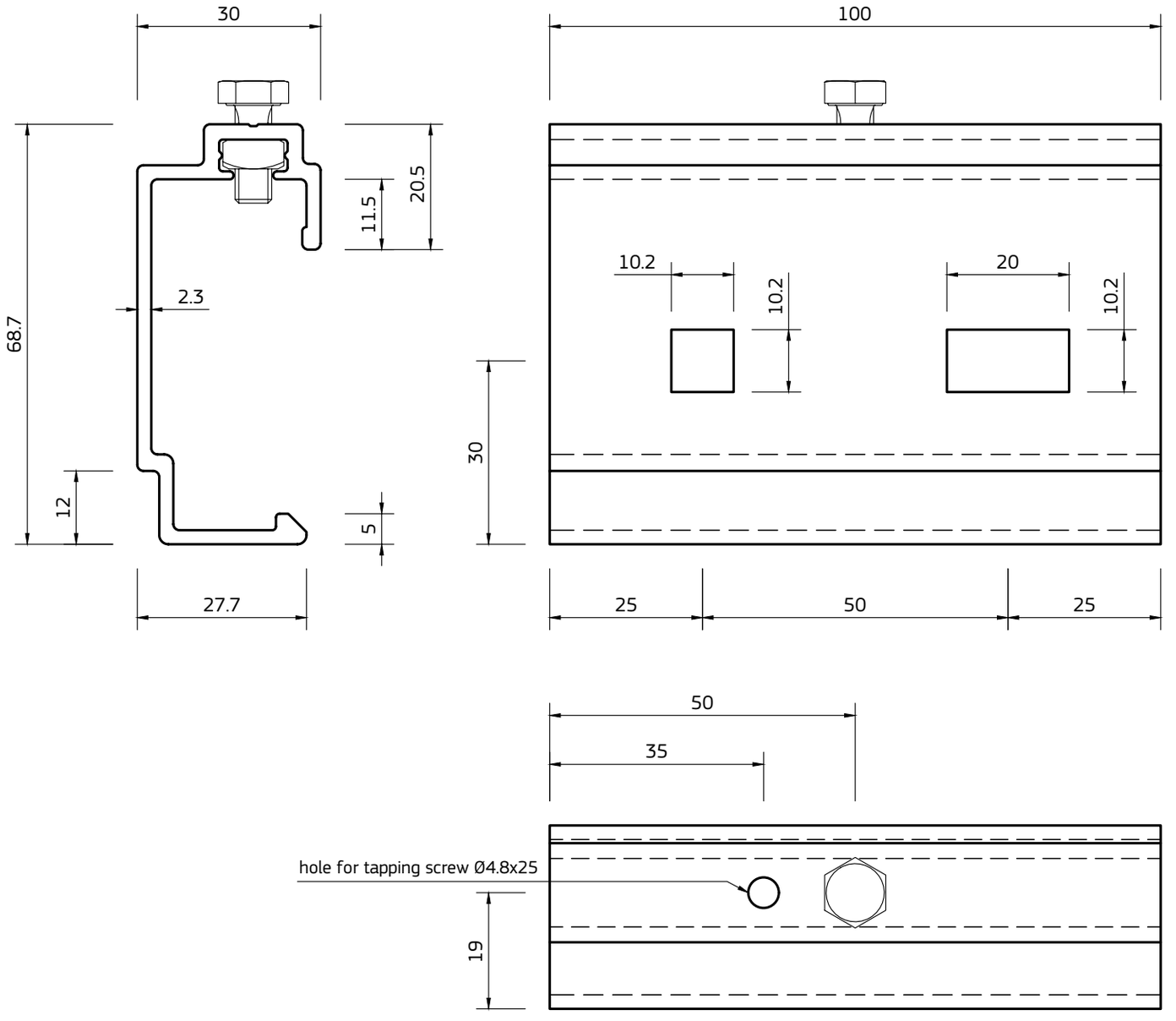


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.92.100	Hanger sliding point 100 mm, hex hole	per drawing	unpainted	83 g/pcs

Non-standard hangers on request.

SYSTEM COMPONENTS

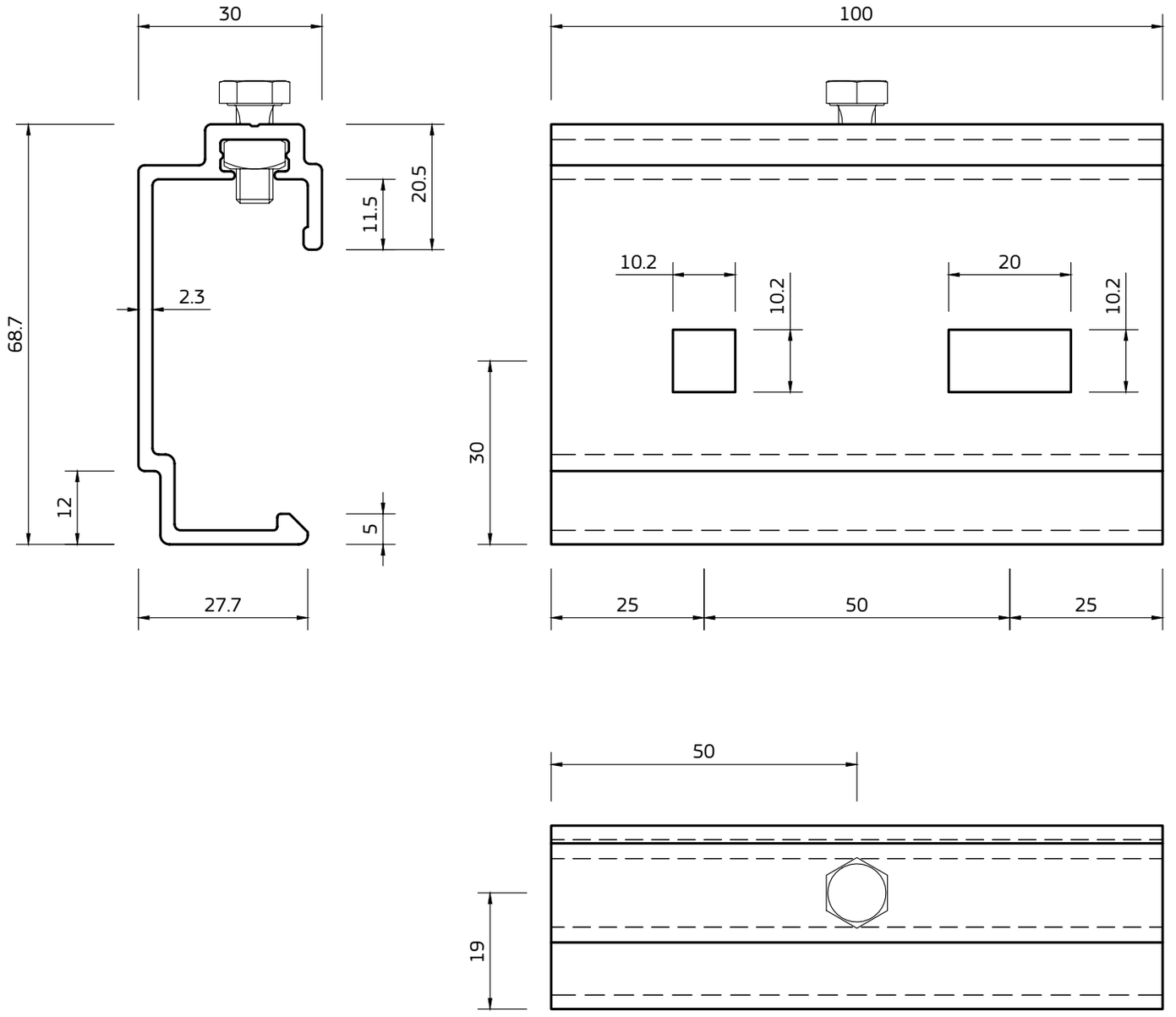


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.301.102.100	Adjustable hanger fixed point 100 mm, square hole, set	per drawing	unpainted	93 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut and self-drilling screw Ø4.8x25. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

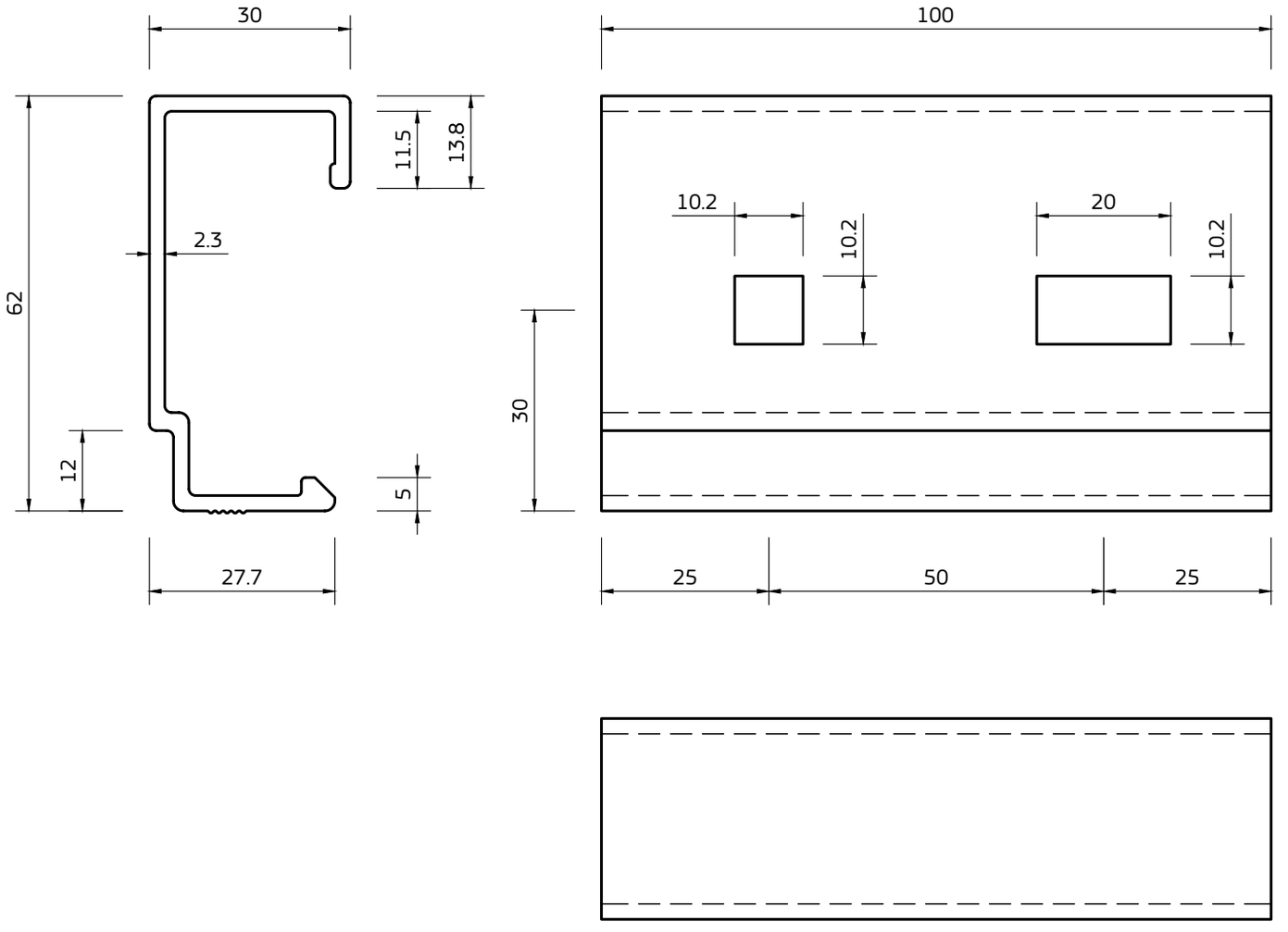


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.302.102.100	Adjustable hanger sliding point 100 mm, square hole, set	per drawing	unpainted	93 g/pcs

Non-standard hangers on request.
The hanger set includes M6 bolt & nut. All fasteners are A2 stainless steel.

SYSTEM COMPONENTS

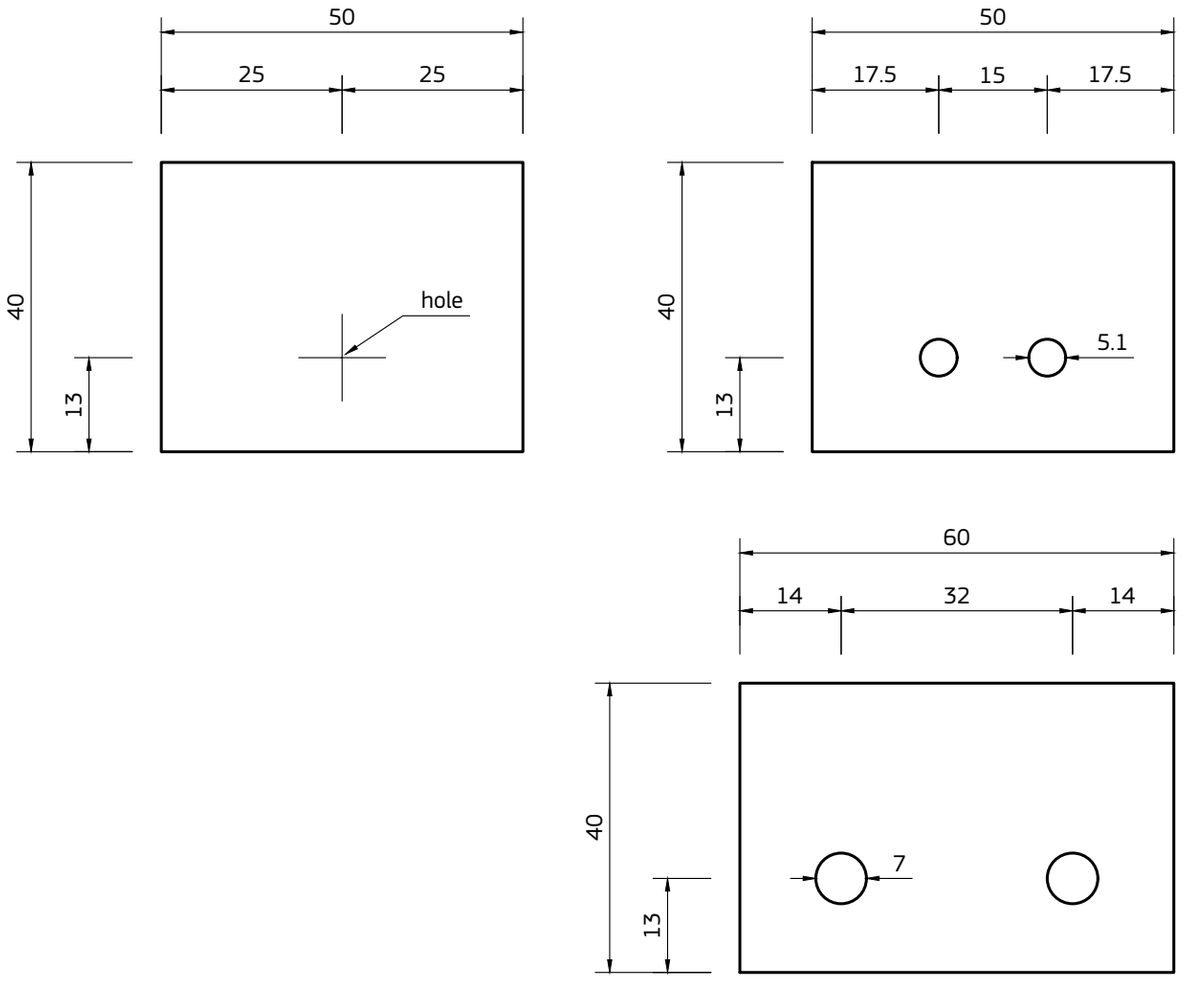


Material: AW 6063 T66

Article No	Description	Hole size	Finish	Weight
06.303.102.100	Hanger sliding point 100 mm, square hole	per drawing	unpainted	83 g/pcs

Non-standard hangers on request.

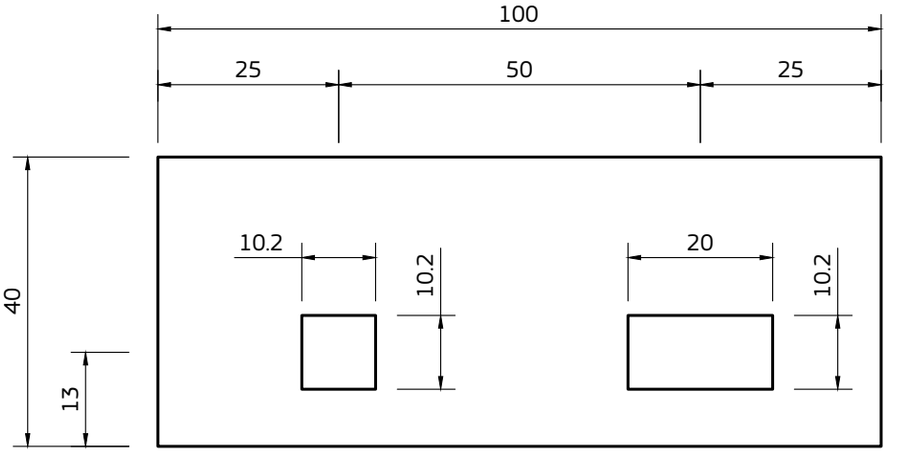
SYSTEM COMPONENTS

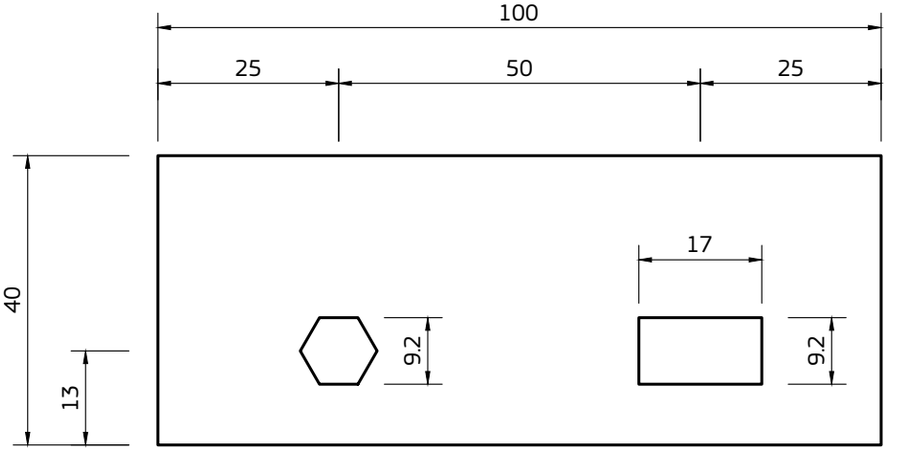


Material: Silicone, 70 Shore A

Article No	Description	Hole size	Weight
06.001.5.50	Silicone pad, 0.9 mm thick, hole Ø5	Ø5.1	2 g/pcs
06.001.52.50	Silicone pad, 0.9 mm thick, holes Ø5	2 x Ø5.1	
06.001.6.50	Silicone pad, 0.9 mm thick, hole Ø6	Ø6.1	
06.001.72.60	Silicone pad, 0.9 mm thick, holes Ø7	2 x Ø7	
06.001.8.50	Silicone pad, 0.9 mm thick, hole Ø8	Ø8.1	
06.001.9.50	Silicone pad, 0.9 mm thick, hex hole	SW9	
06.001.10.50	Silicone pad, 0.9 mm thick, square hole	10	

SYSTEM COMPONENTS





Material: Silicone, 70 Shore A

Article No	Description	Hole size	Weight
06.001.102.100	Silicone pad 100 mm, 0.9 mm thick, square holes	per drawing	4 g/pcs
06.001.92.100	Silicone pad 100 mm, 0.9 mm thick, hex holes	per drawing	

Q-CLOUD

GLASS PANELS ADHESIVE RAINSCREEN SYSTEM

LEGEND

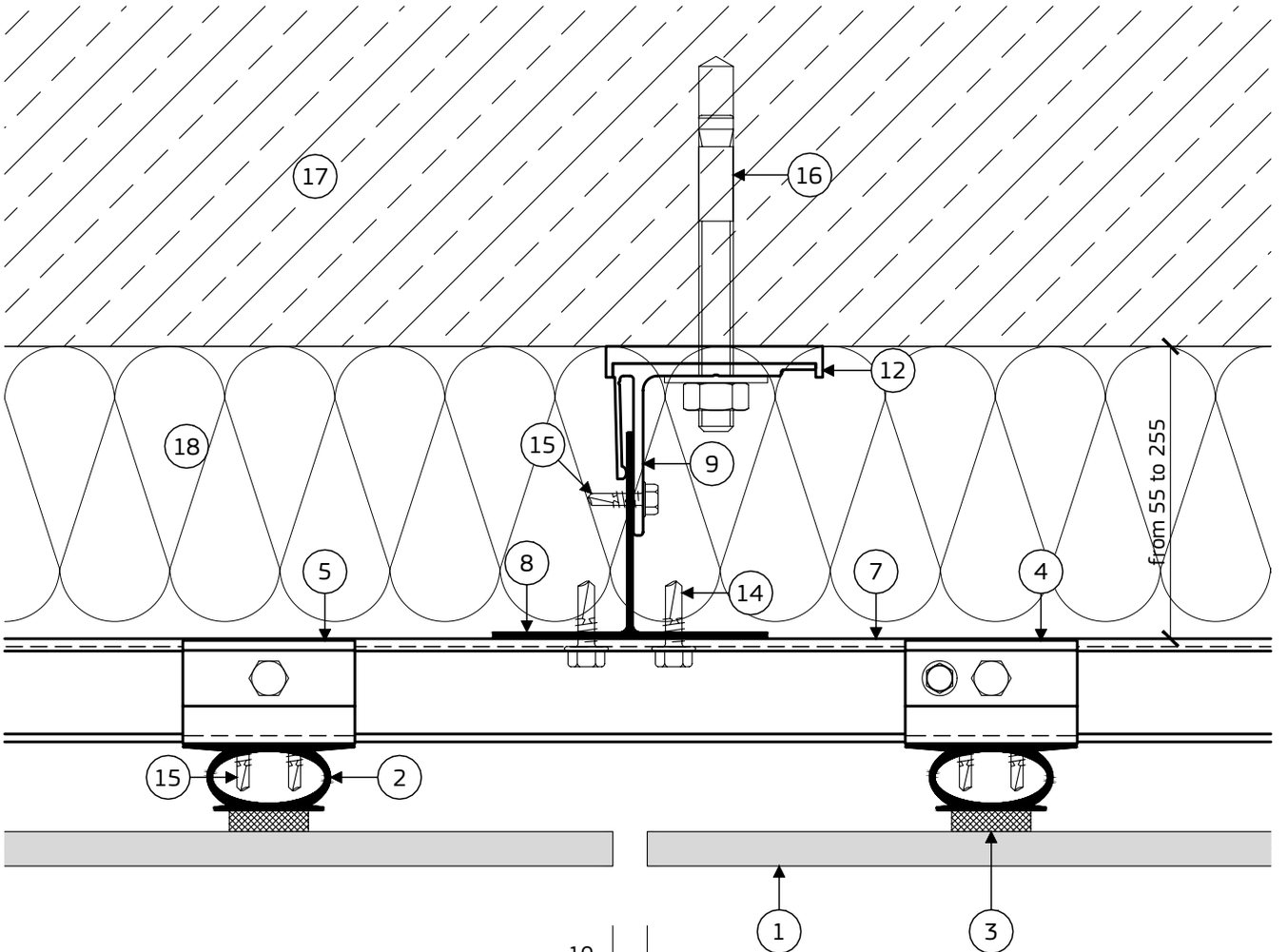
1. GLASS PANEL
2. Q-CLOUD RAIL *art.No 06.9.xxx*
3. ADHESIVE SYSTEM
4. ADJUSTABLE HANGER FIXED POINT, SET *art.No 06.301.52.50*
5. ADJUSTABLE HANGER SLIDING POINT, SET *art.No 06.302.52.50*
6. HANGER SLIDING POINT, *art.No 06.303.52.50*
7. HORIZONTAL RAIL, SLOTTED HOLES *art.No 06.3.631.xxx*
8. PROFILE T80x60x2 *art.No 01.2.80602.xxx*
9. WALL BRACKET QVB 50/160, FIXED POINT *art.No 02.50.160.10*
10. WALL BRACKET QVB 50/70, SLIDING POINT *art.No 02.50.70.10*
11. WALL BRACKET QVB 125/70, SLIDING POINT *art.No 02.125.70.10*
12. THERMO-PAD 160x59 *art.No 05.59.160*
13. THERMO-PAD 70x59 *art.No 05.59.70*
14. SELF-DRILLING SCREW Ø6.3x19 mm, A2
15. SELF-DRILLING SCREW Ø4.8x16 mm, A2
16. FASTENER
17. CONCRETE
18. INSULATION
19. WINDOW SYSTEM
20. METAL TRIM / FLASHING / COPING
21. PERFORATED ALUMINUM SHEET

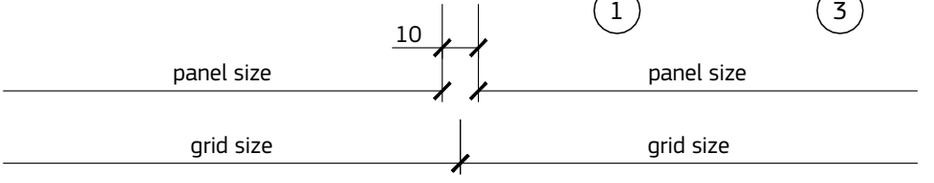
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

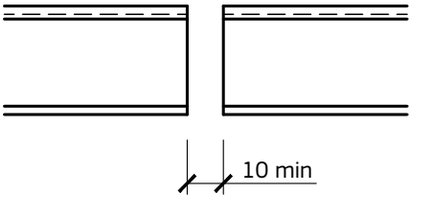
Q-CLOUD GLASS PANELS ADHESIVE RAINSCREEN SYSTEM

1.1 PLAN DETAIL



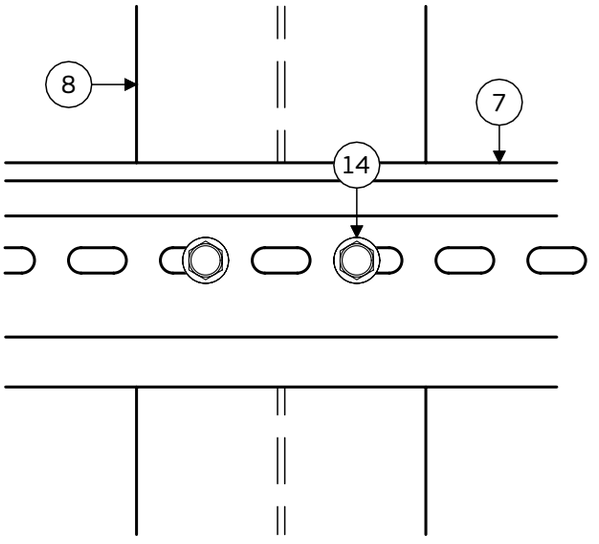


HORIZONTAL RAILS' JOINT

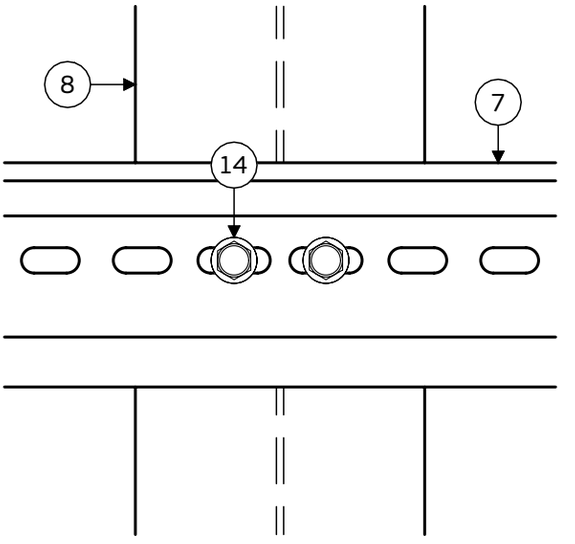


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

INSTALLATION DIAGRAM



FIXED POINT
(one per rail)

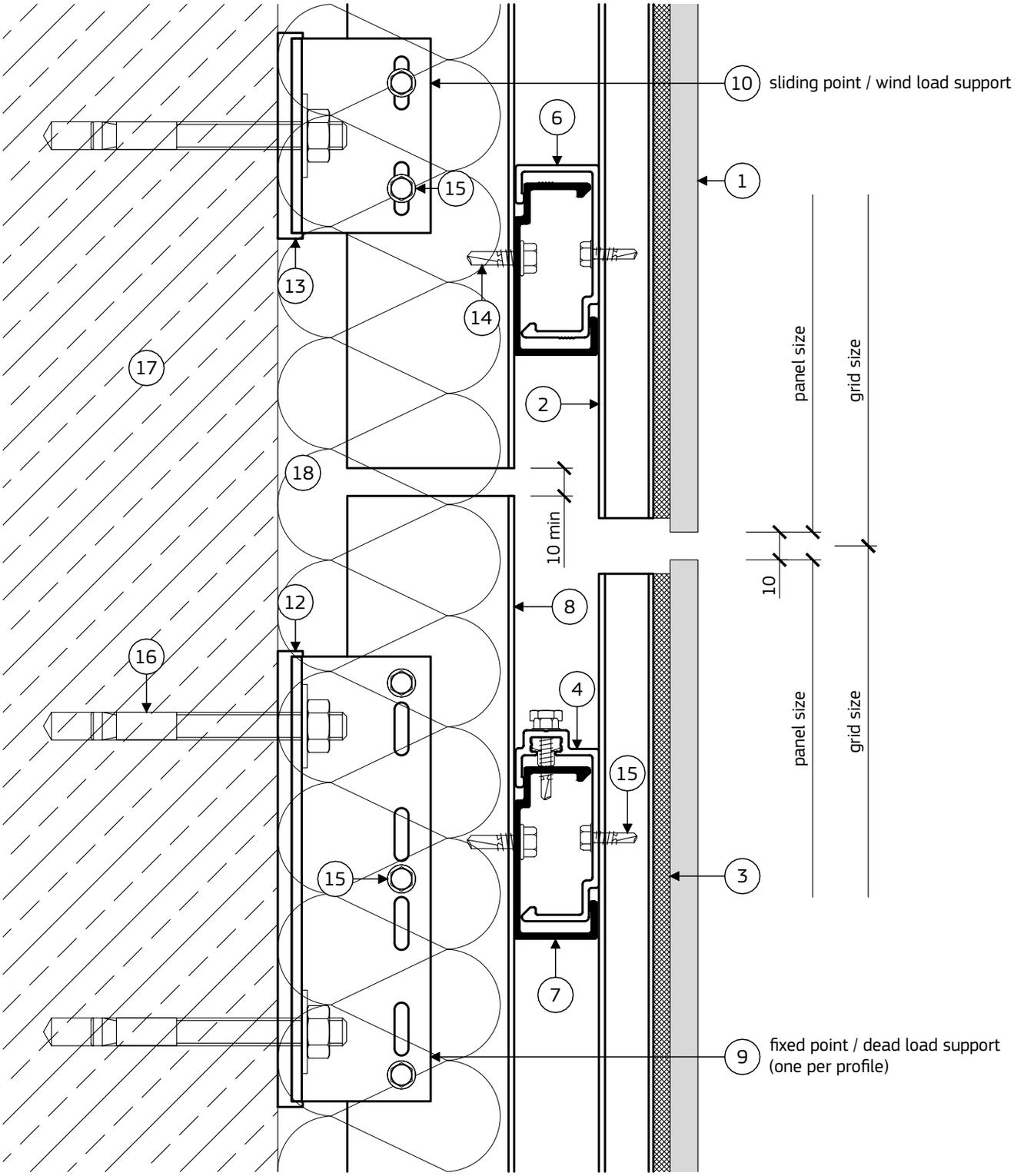


SLIDING POINT

The rails should be fixed at mid-length (fixed point) and allowed to expand toward the ends using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

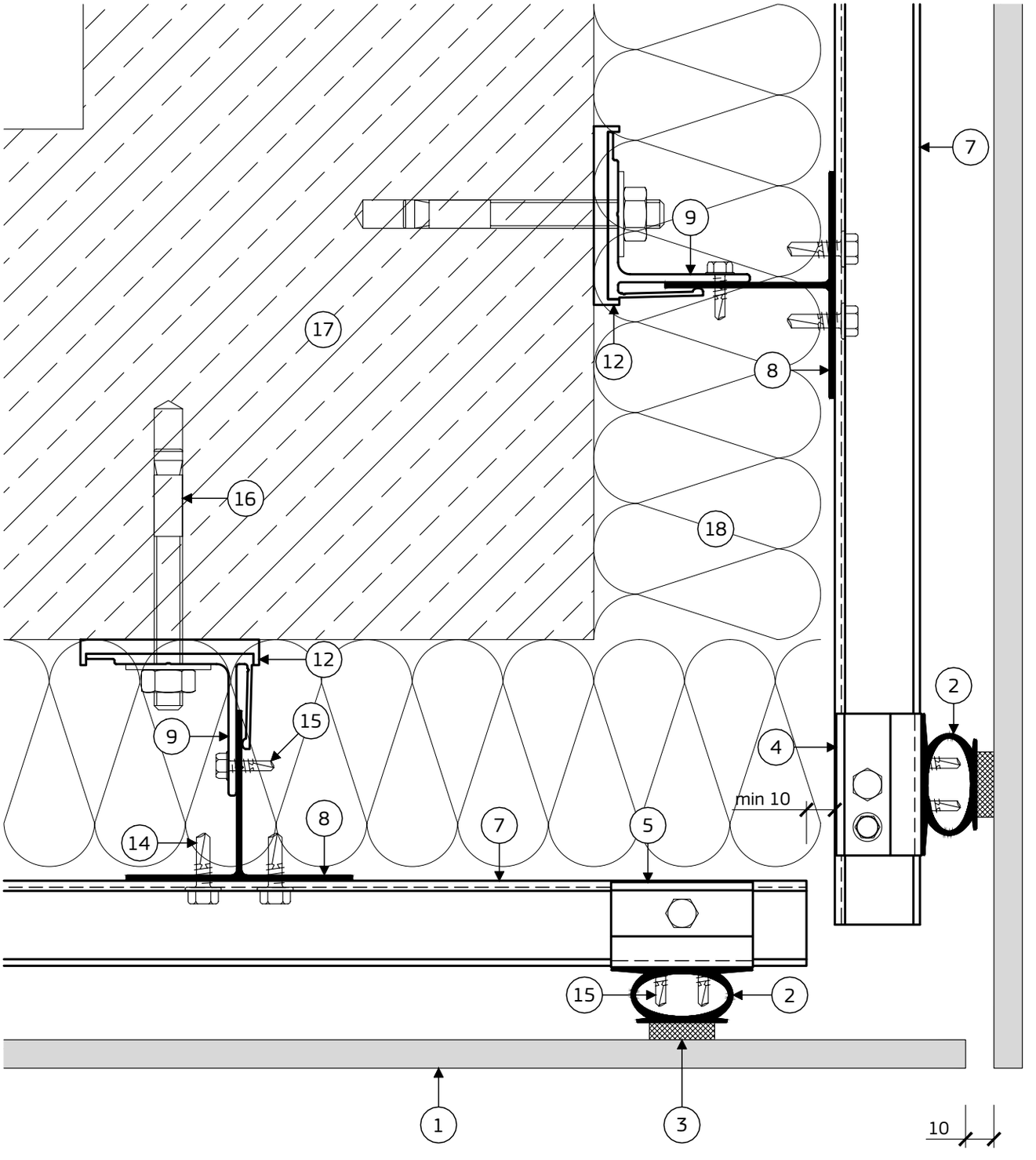
2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

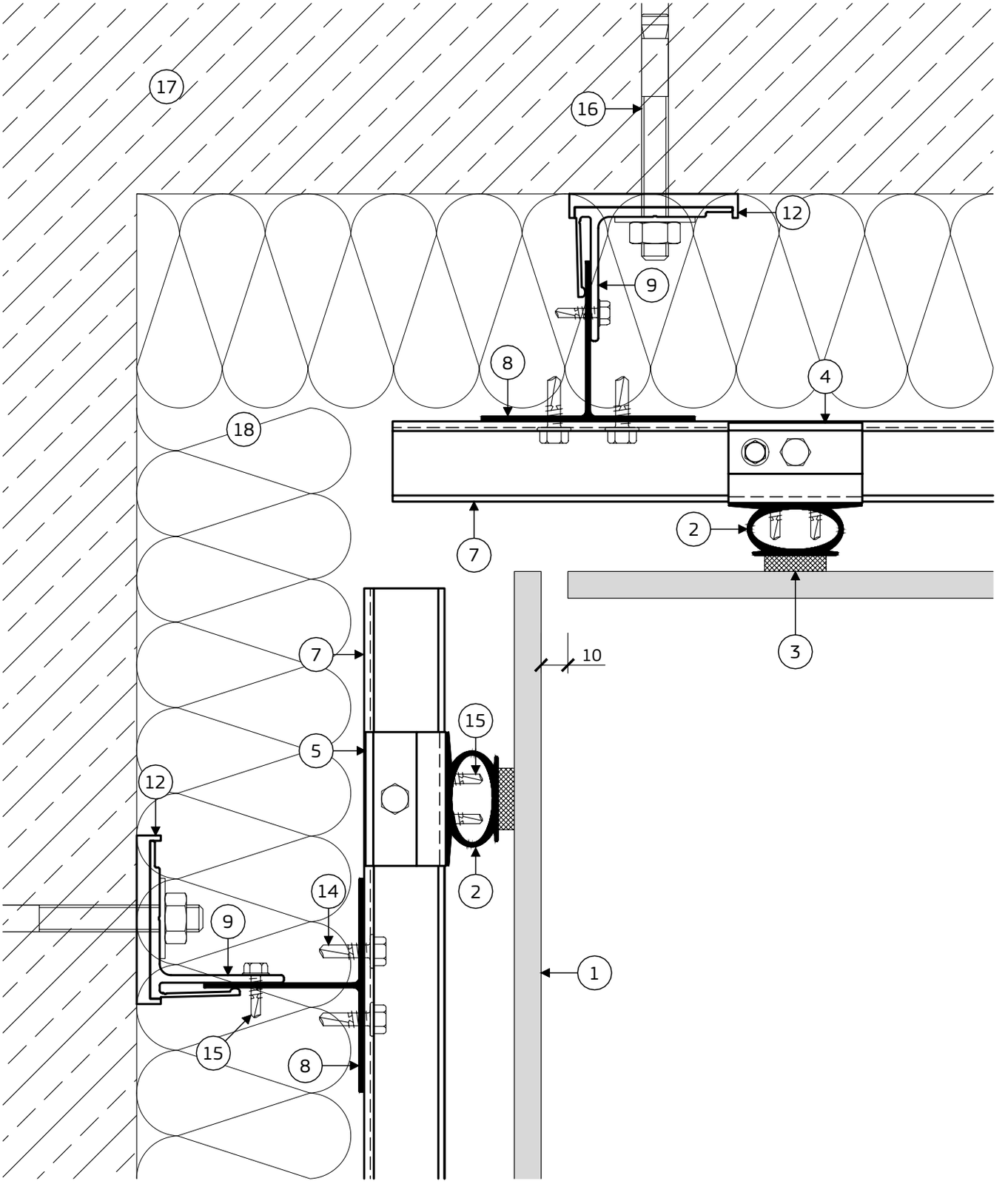
10/2018

3.1 PLAN DETAIL - OUTSIDE CORNER



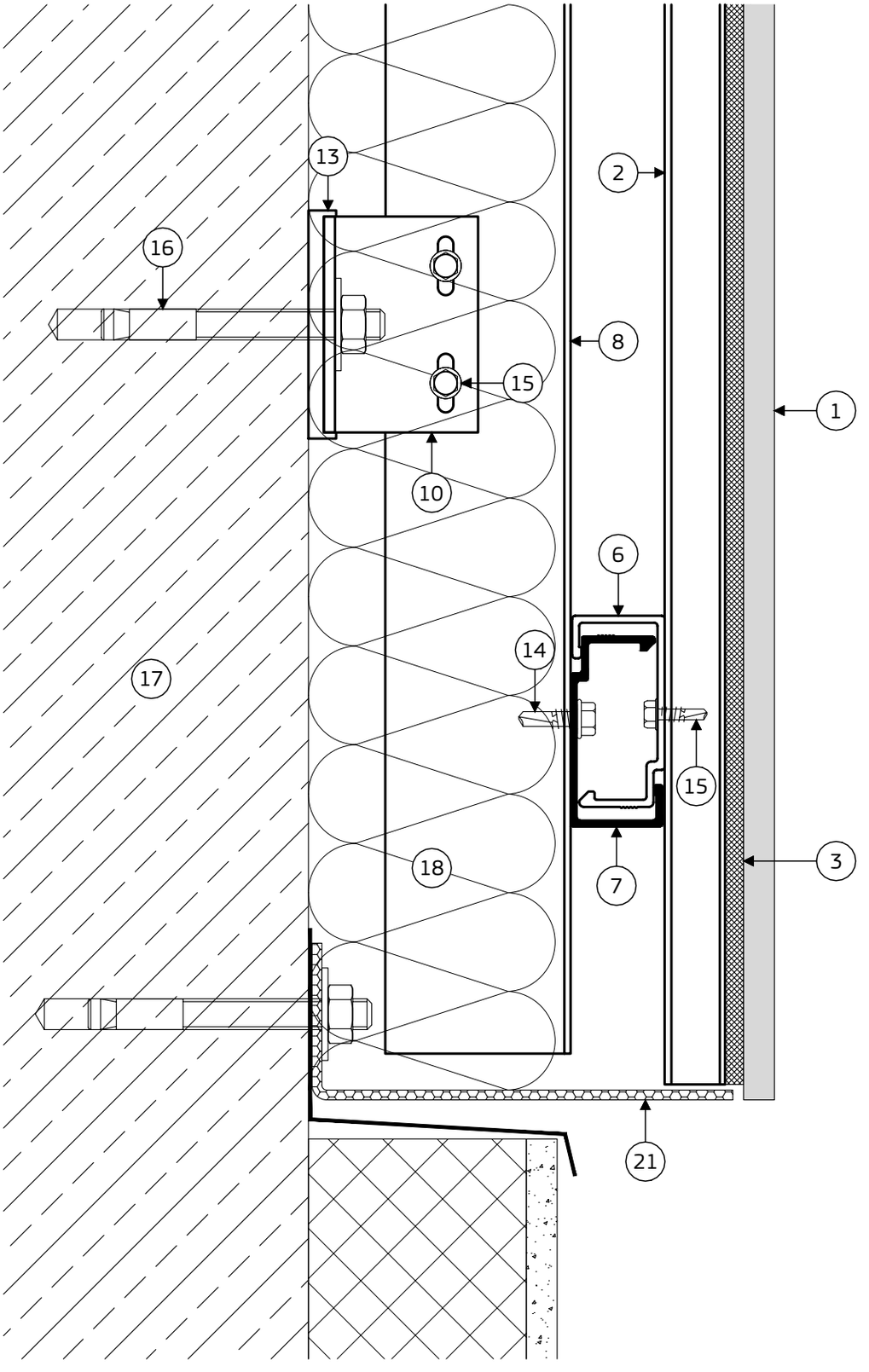
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



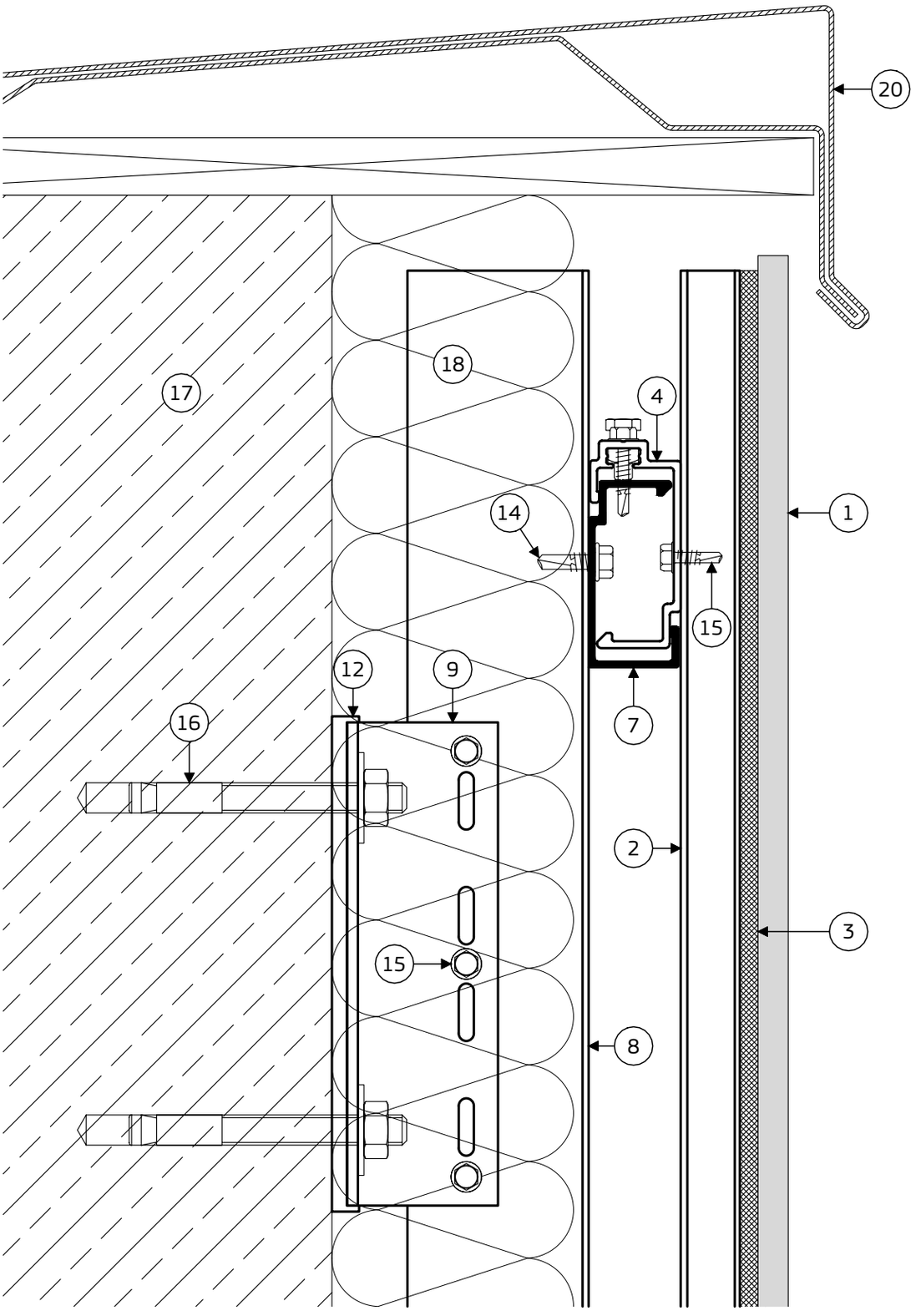
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



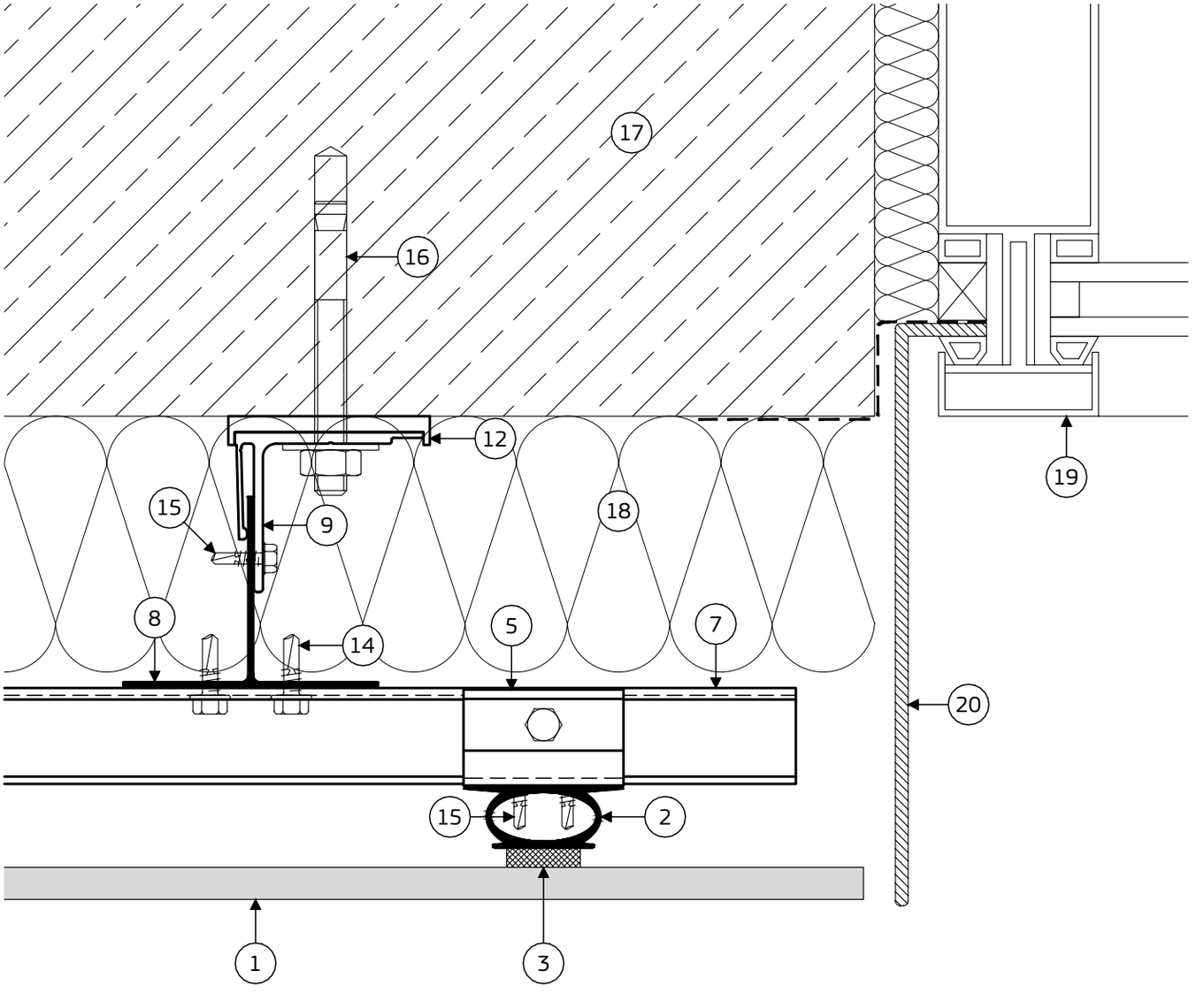
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



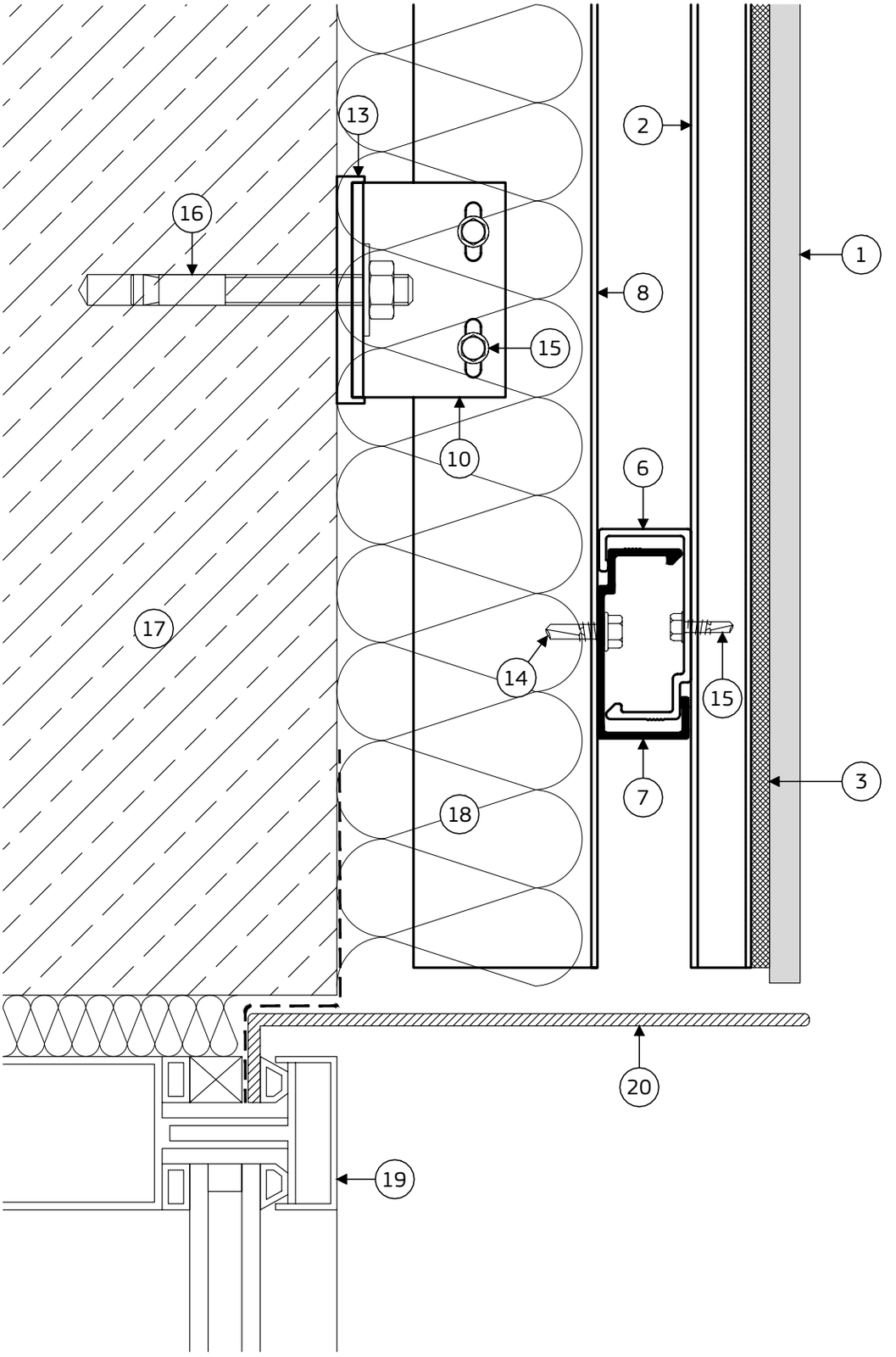
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



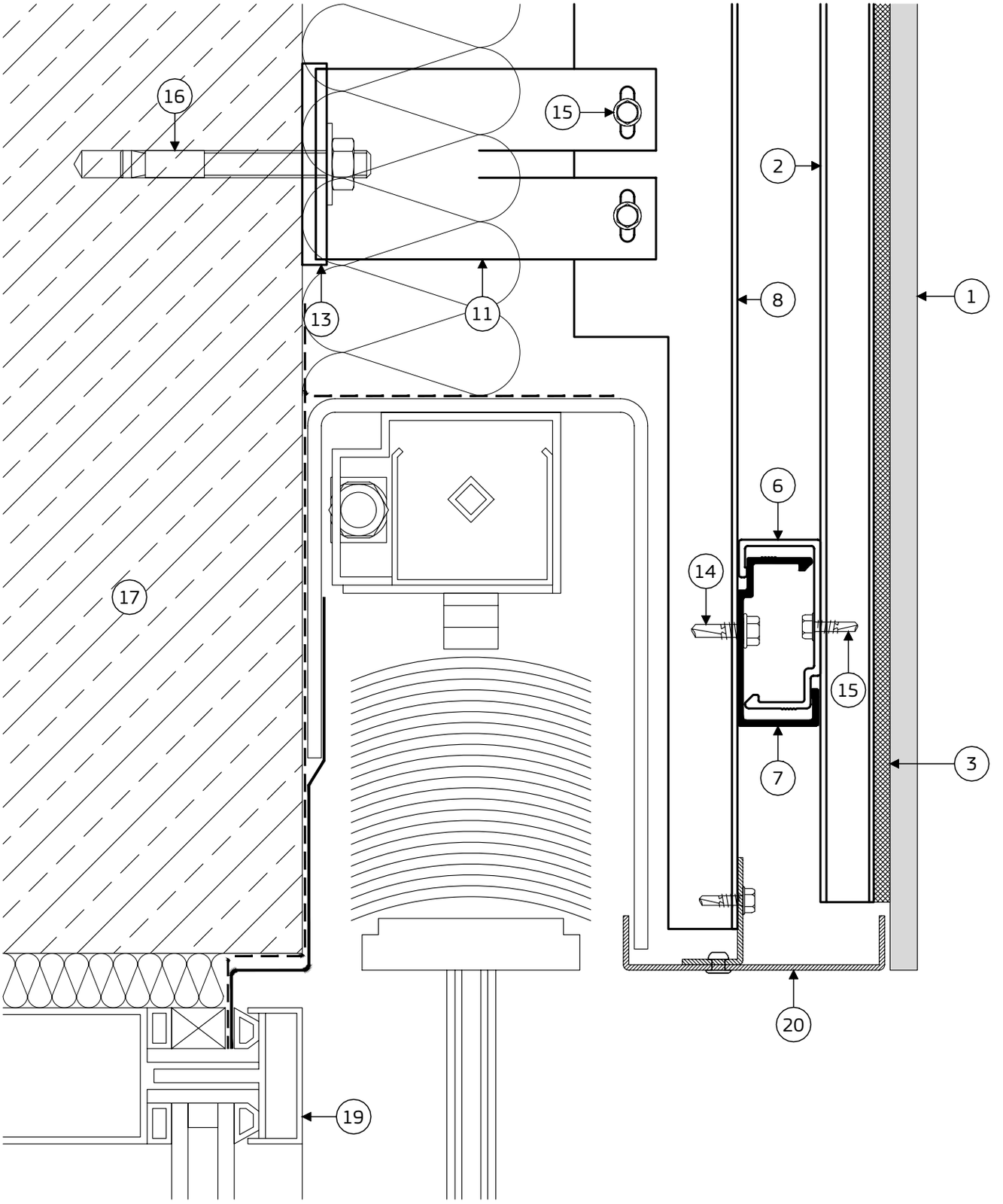
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



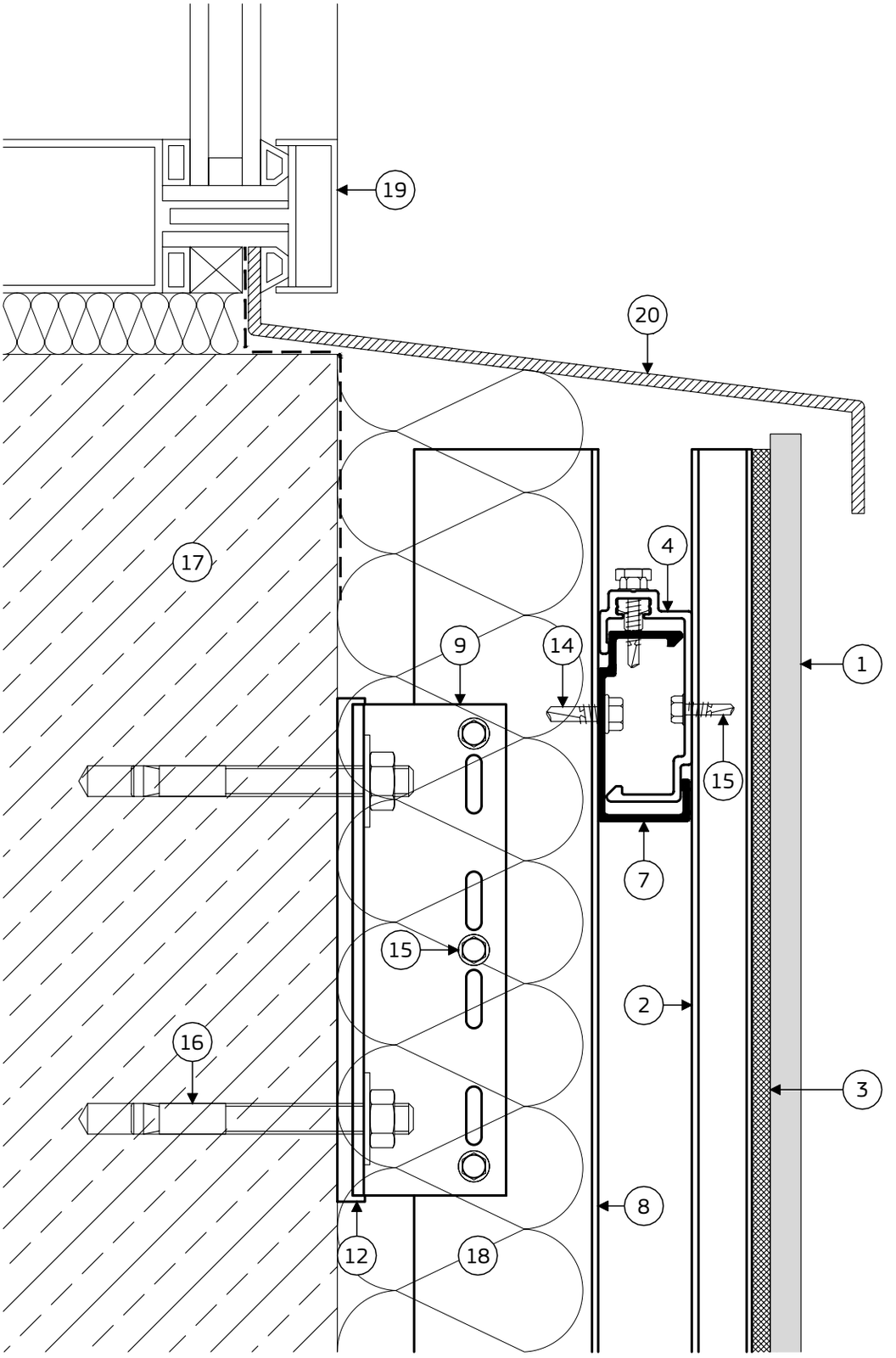
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



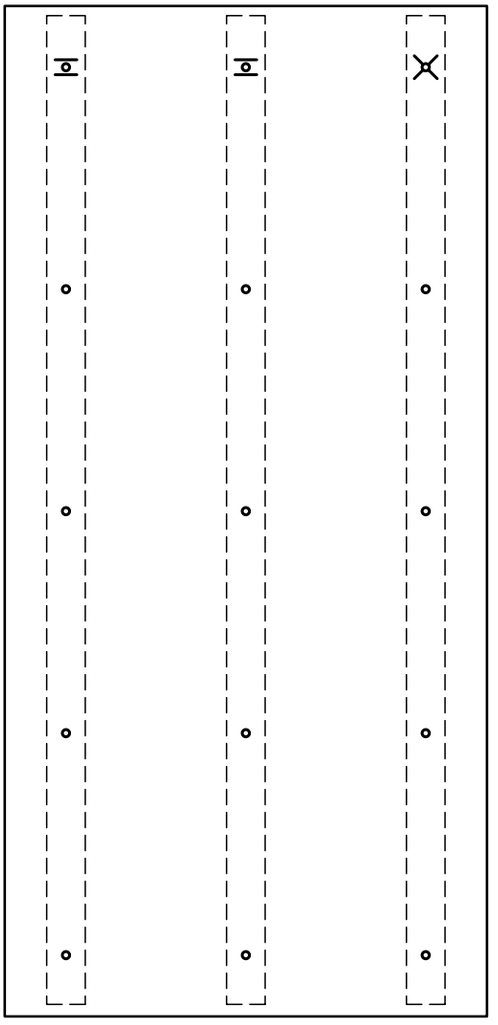
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

9.1 SECTION DETAIL - WINDOW SILL

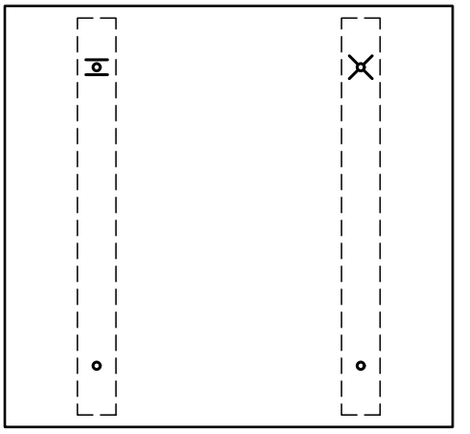


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

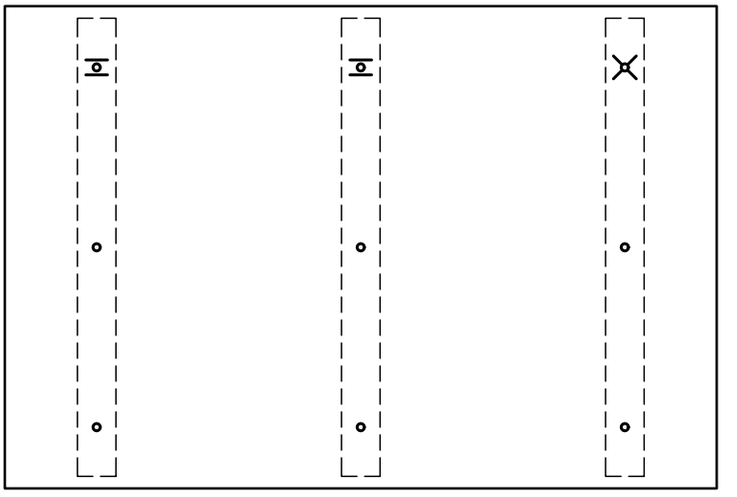
INSTALLATION DIAGRAMS



MULTI-SPAN PANEL



SINGLE-SPAN PANEL



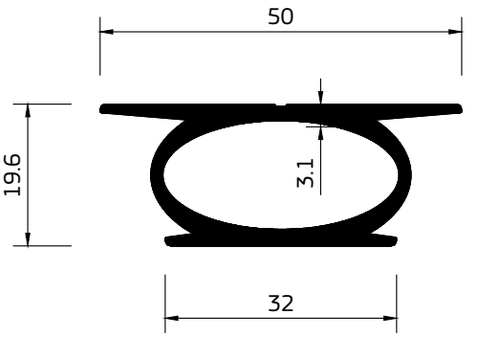
MULTI-SPAN PANEL

- Adjustable hanger fixed point (dead load support), one per panel
- Adjustable hanger sliding point (dead load support)
- Hanger sliding point (wind load support)

The diagrams are schematic.

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS



Article No	Description	Finish	Material	Weight
06.9.xxx	vertical Q-CLOUD profile	unpainted	AW 6063 T66	756 g/m

xxx - profile length

Standard length 6000 mm.
Painted or anodized finishes on request.

QV9.3

ALUMINUM CASSETTES RAINSCREEN SYSTEM

LEGEND

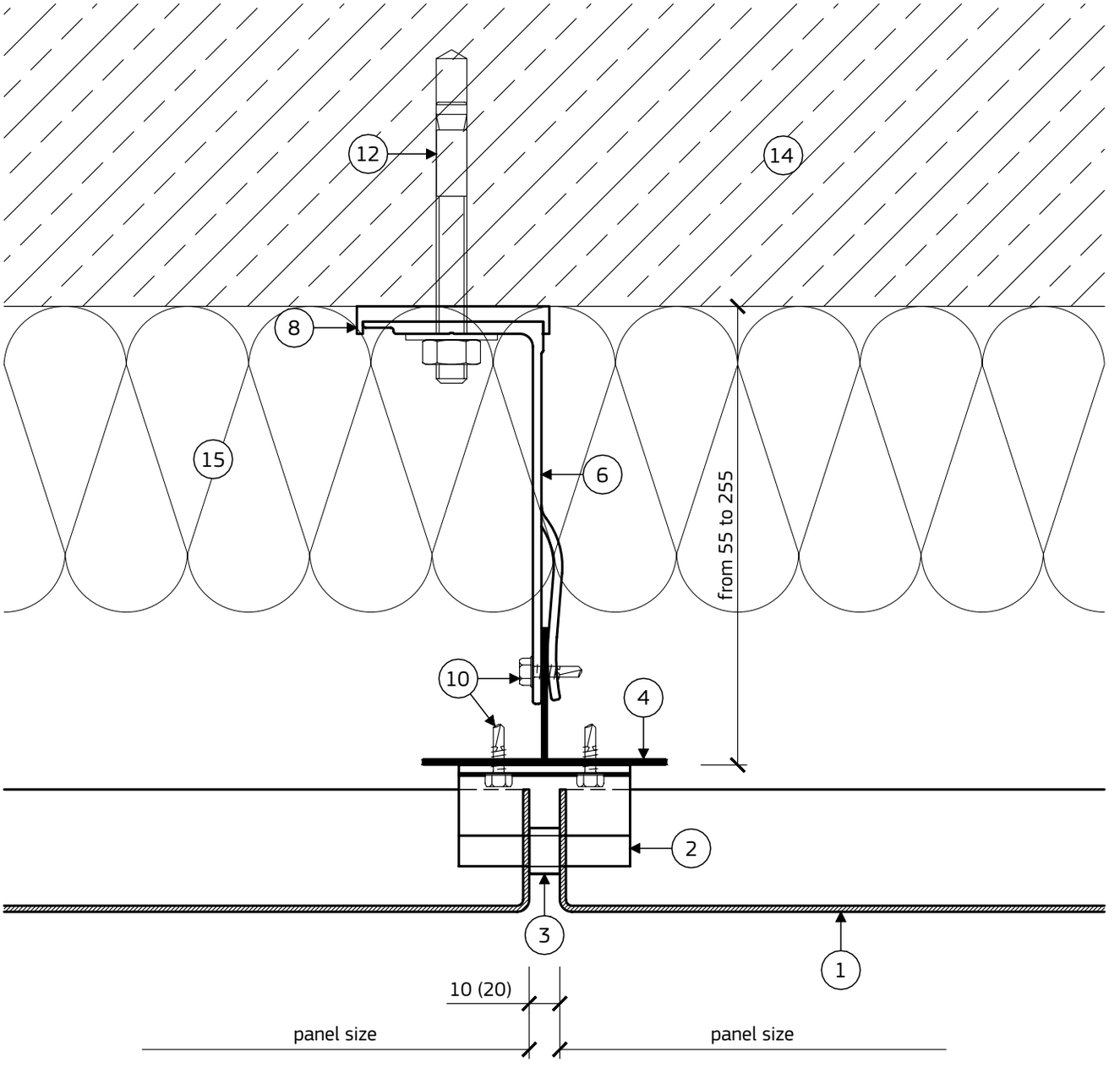
1. ALUMINUM CASSETTE
2. HANGER *art.No 09.302.48.60*
3. JOINT SPACER a*rt.No 09.303.10.9005*
4. PROFILE T80x45x2, PAINTED *art.No 01.2.80452.xxxP*
5. PROFILE L60x40x2 *art.No 01.1.60402.xxx*
6. WALL BRACKET QVB 125/160, FIXED POINT *art.No 02.125.160.10*
7. WALL BRACKET QVB 125/70, SLIDING POINT *art.No 02.125.70.10*
8. THERMO-PAD 160x59 *art.No 05.59.160*
9. THERMO-PAD 70x59 *art.No 05.59.70*
10. SELF-DRILLING SCREW Ø4.8x16 mm, A2
11. RIVET Ø4.8x12 mm, A2/A2
12. FASTENER
13. ADHESIVE TAPE
14. CONCRETE / MASONRY WALL
15. INSULATION
16. WINDOW SYSTEM
17. JOINT PLATE
18. SUPPORTING RIB
19. METAL TRIM / FLASHING / COPING
20. PERFORATED ALUMINUM SHEET

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

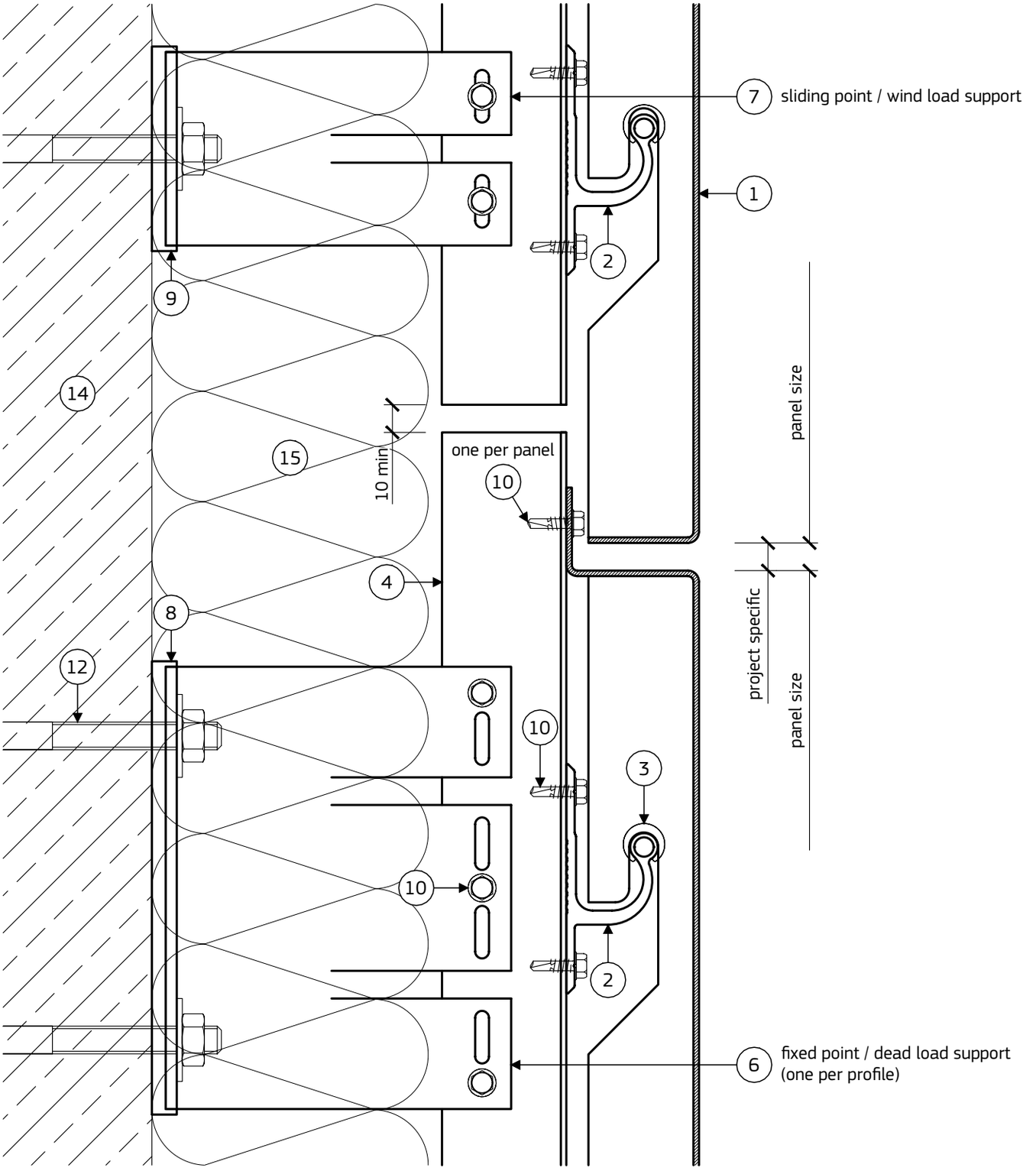
QV9.3 ALUMINUM CASSETTES RAINSCREEN SYSTEM

1.1 PLAN DETAIL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

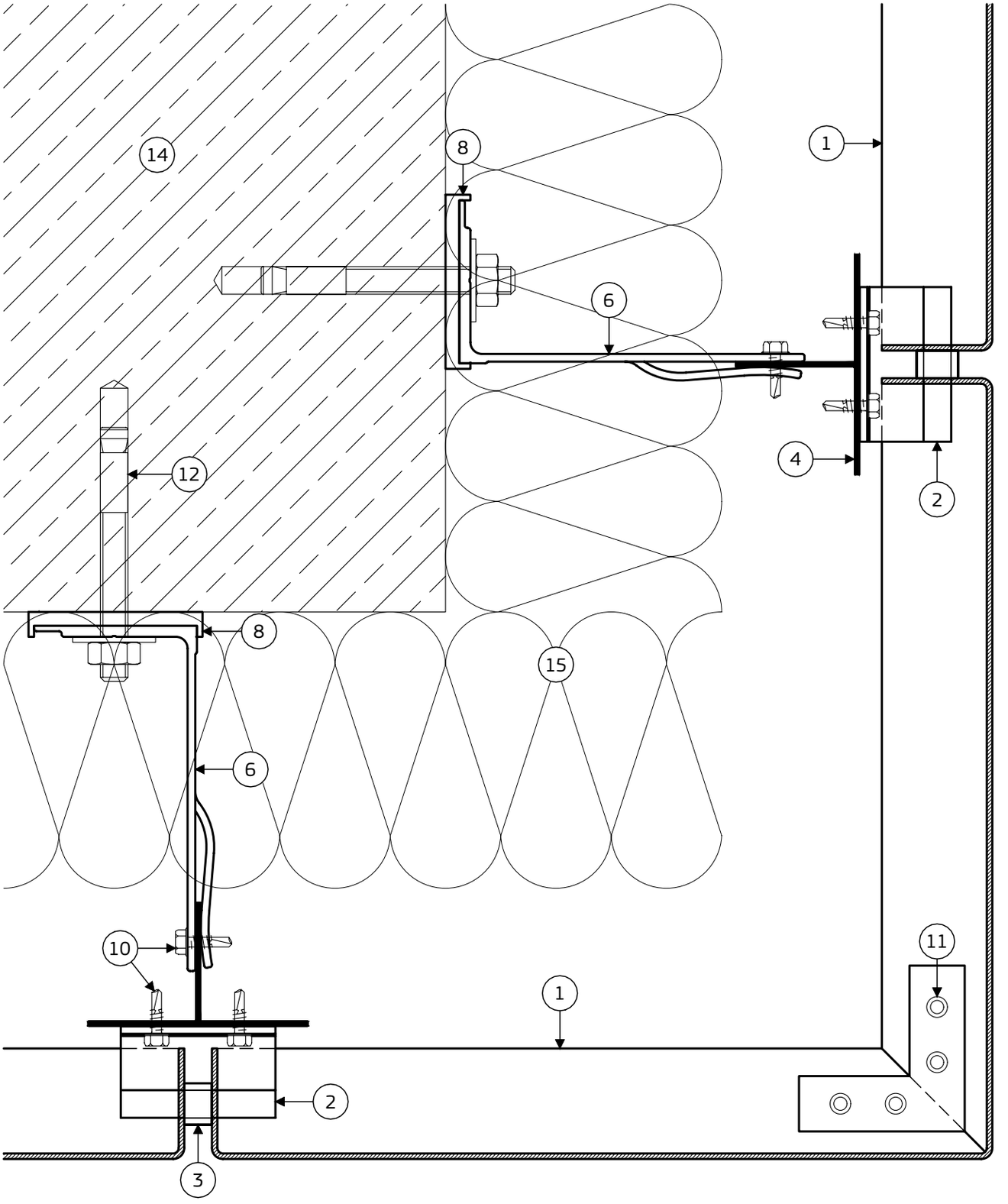
2.1 SECTION DETAIL



The profiles should be fixed using normal clearance holes (fixed point) and allowed to expand using slotted holes (sliding points), considering the fastener to fall at the center of the hole.

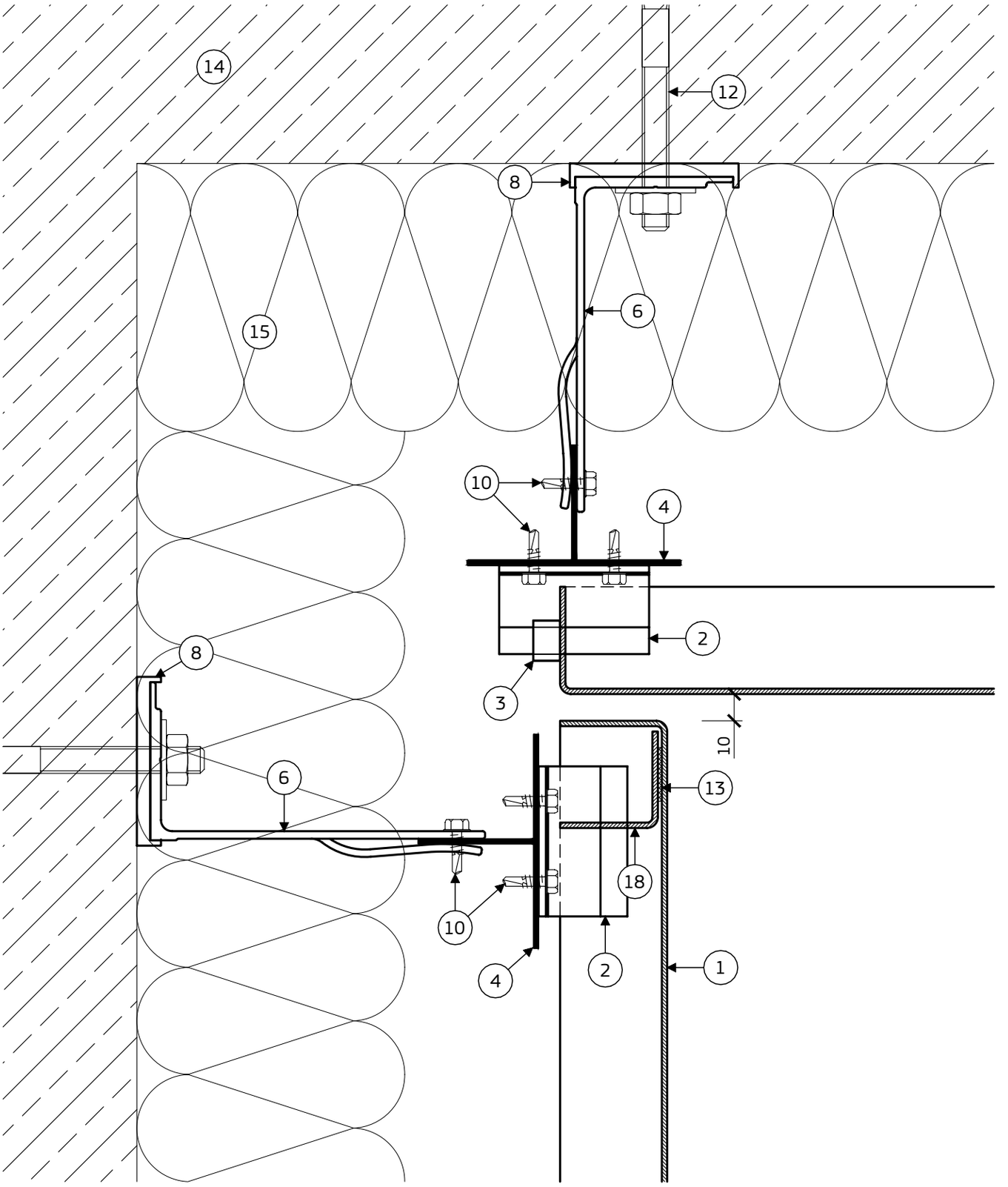
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

3.1 PLAN DETAIL - OUTSIDE CORNER



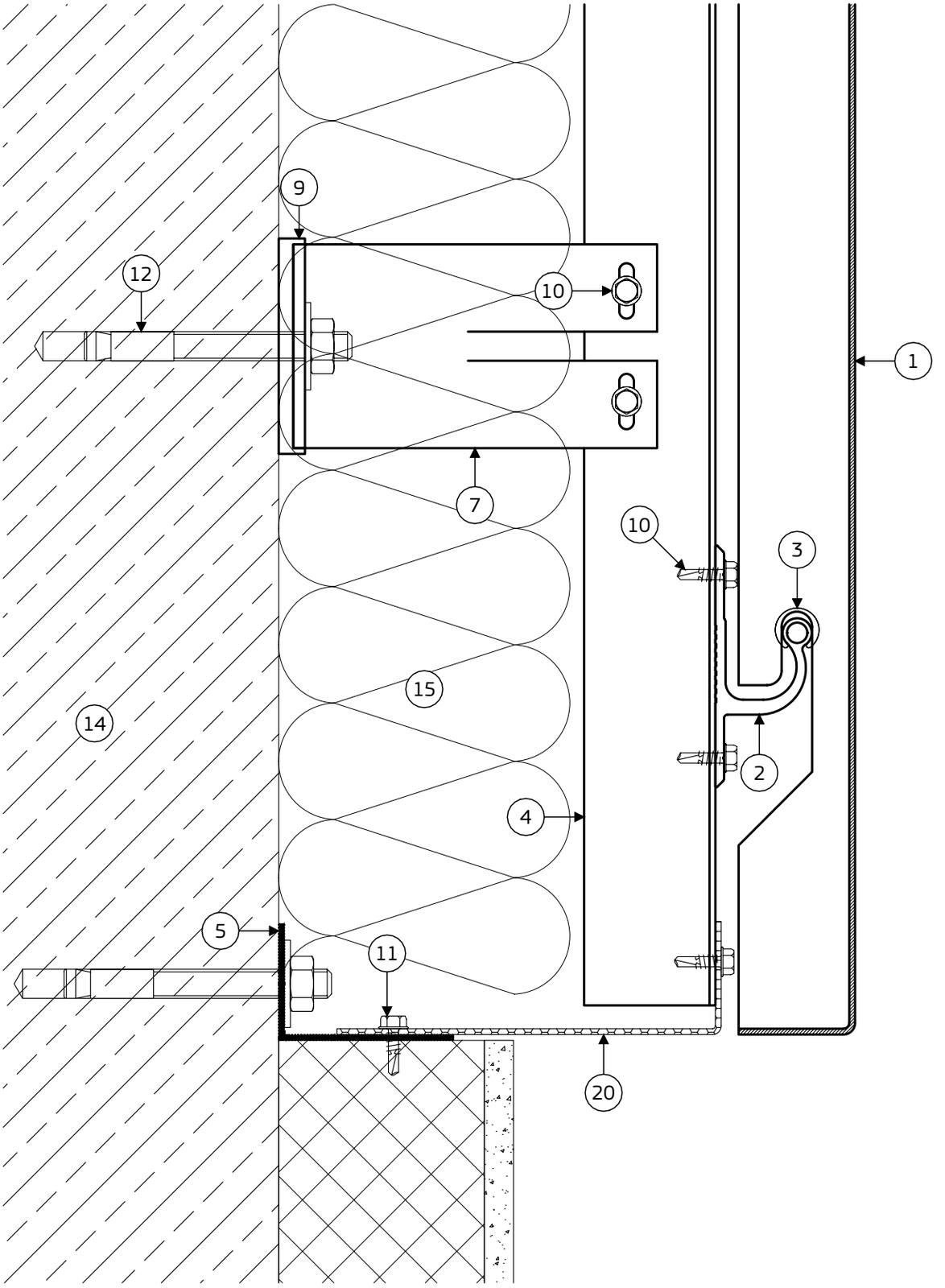
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

4.1 PLAN DETAIL - INSIDE CORNER



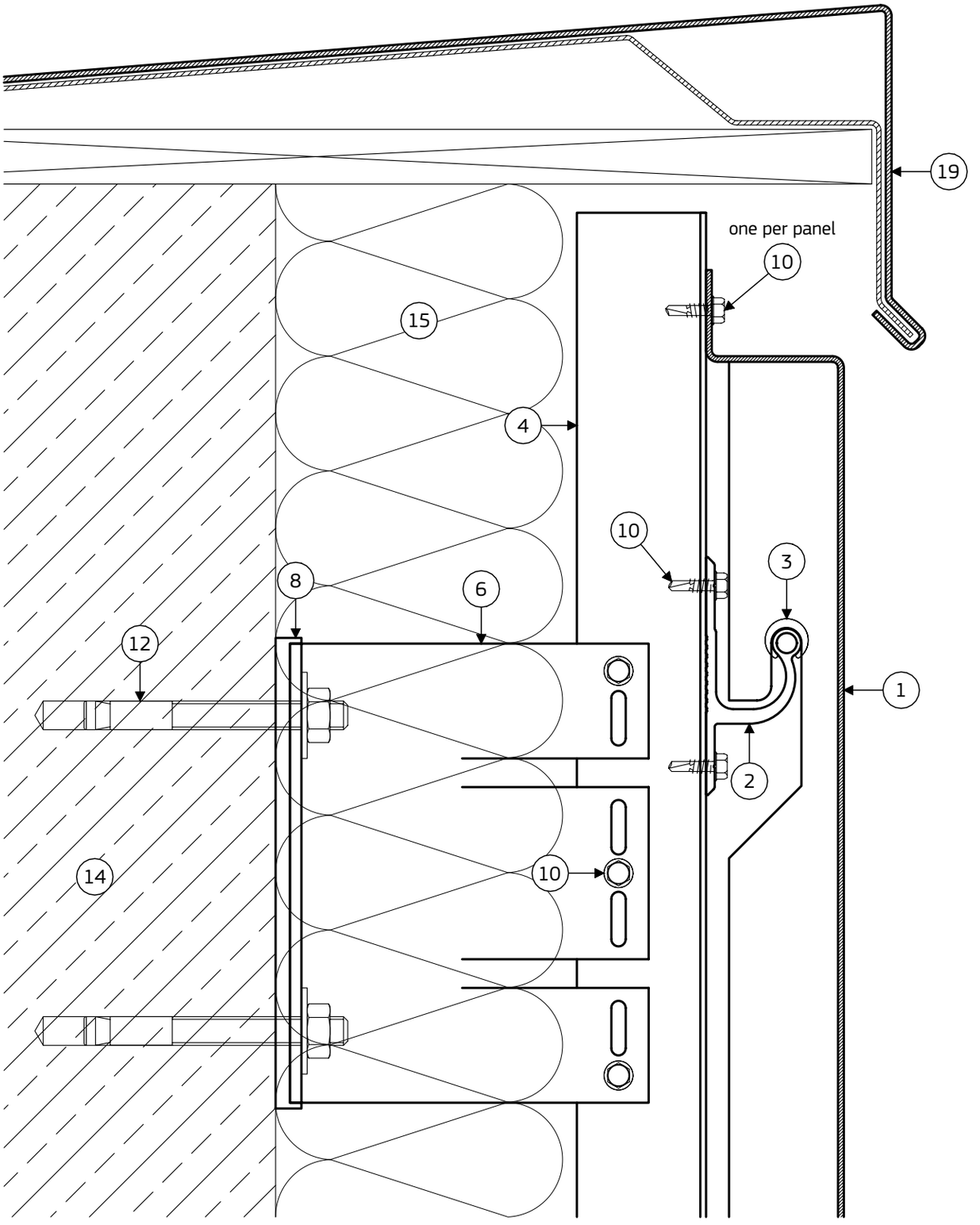
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

5.1 SECTION DETAIL - BASE



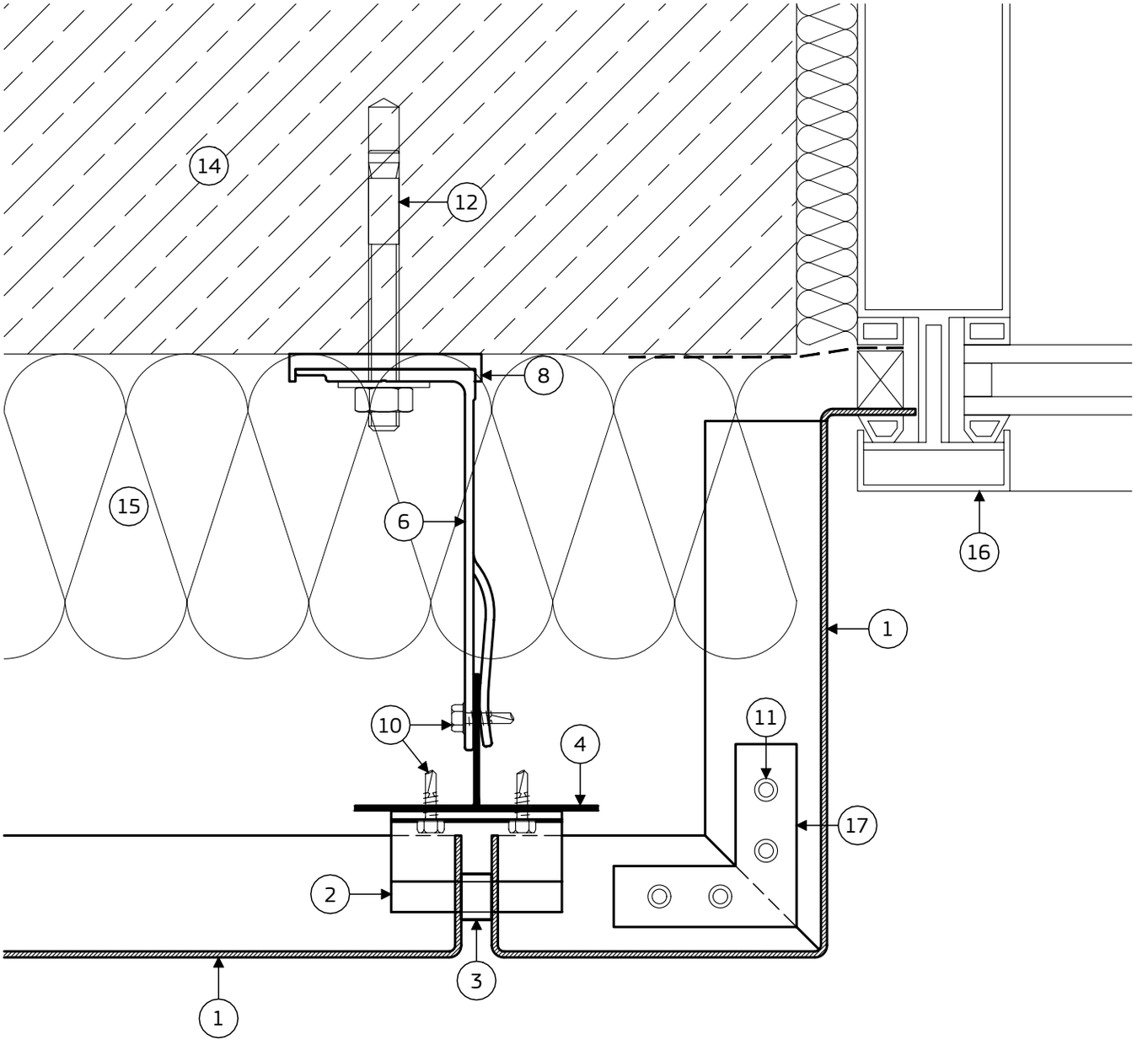
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

6.1 SECTION DETAIL - PARAPET



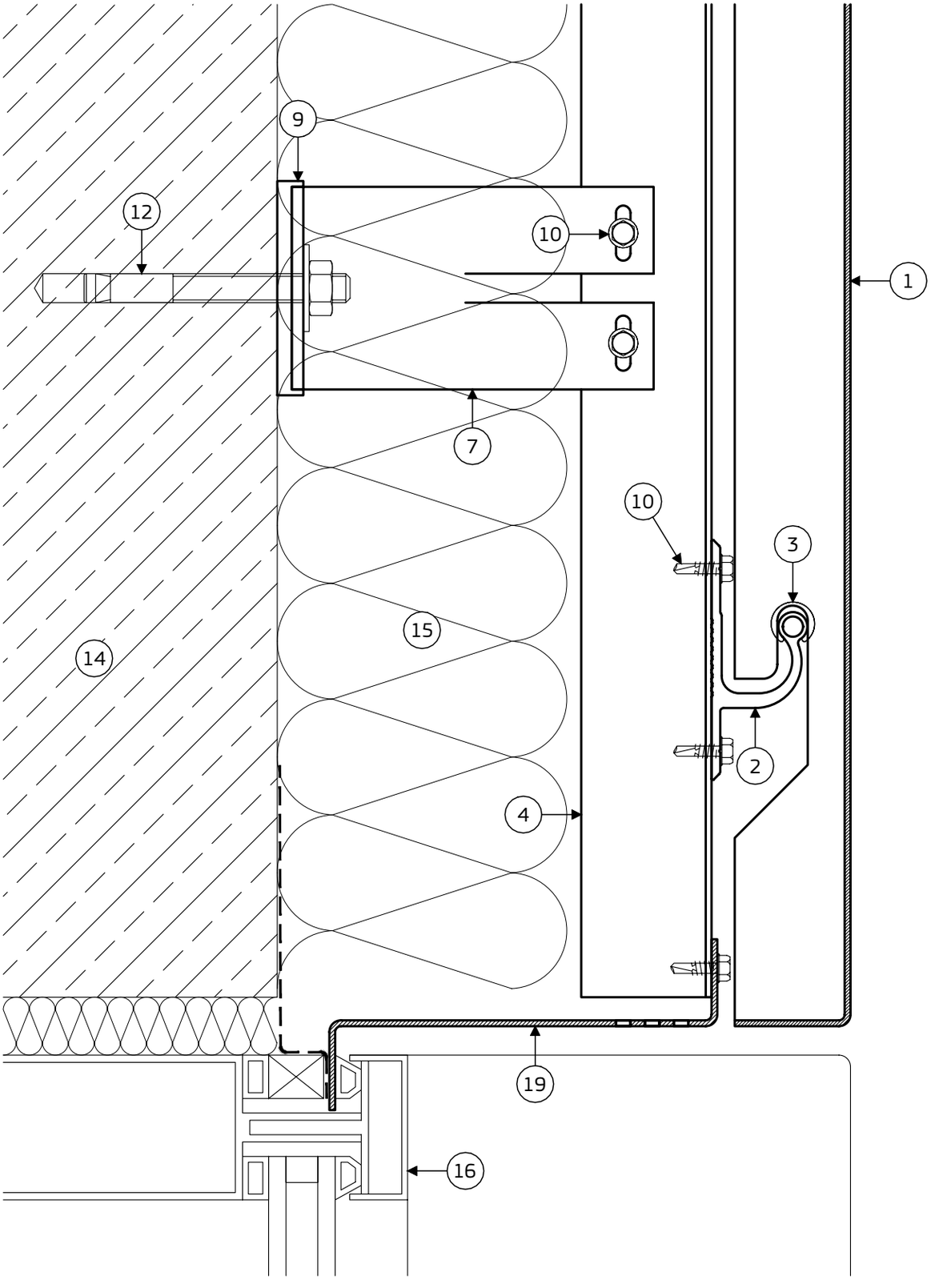
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

7.1 PLAN DETAIL - WINDOW JAMB



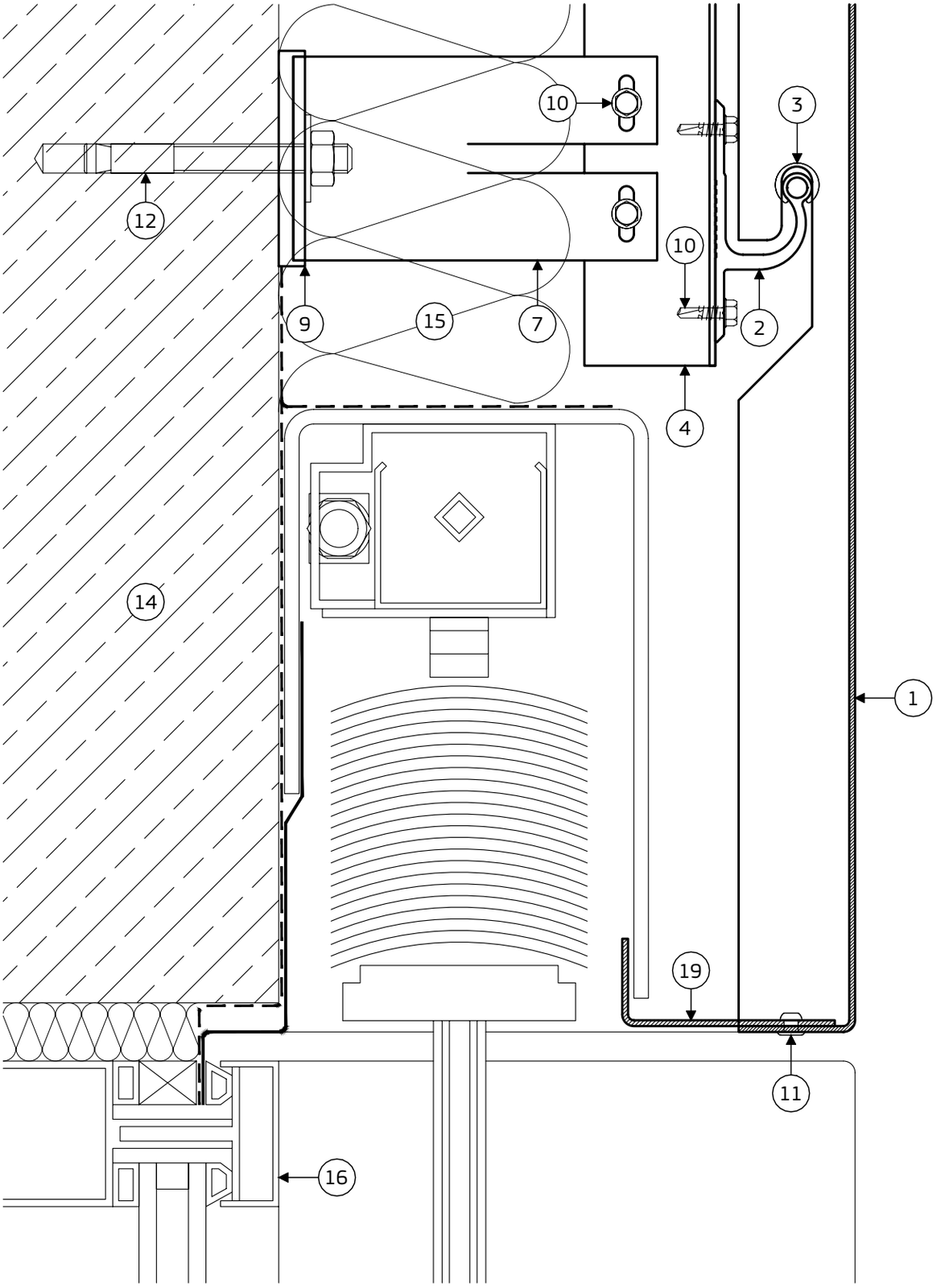
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.1 SECTION DETAIL - WINDOW HEAD



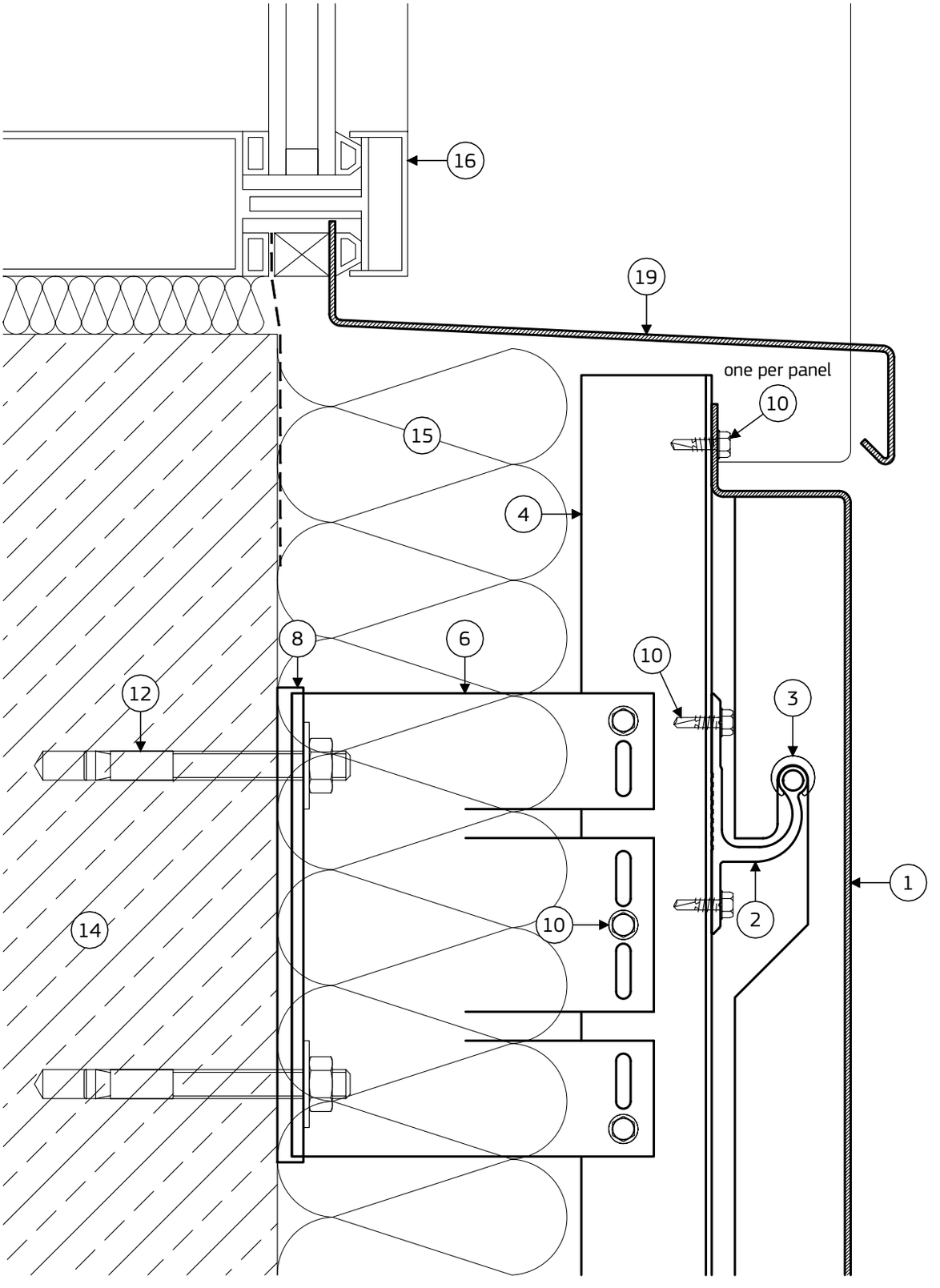
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

8.2 SECTION DETAIL - WINDOW HEAD



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

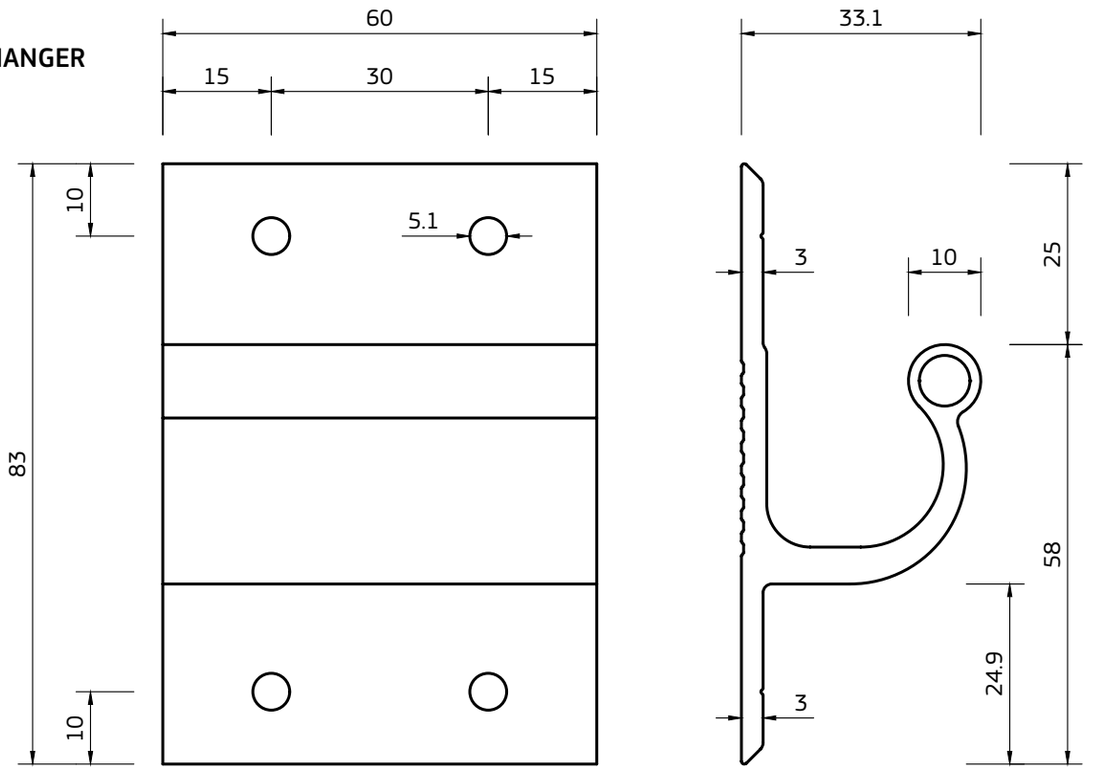
9.1 SECTION DETAIL - WINDOW SILL



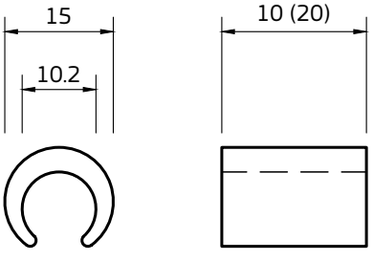
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

SYSTEM COMPONENTS

HANGER



SPACER



Article No	Description	Hole size	Finish	Material	Weight
09.302.48.60P	Hanger 83x60 mm, holes Ø5 mm	Ø5.1	painted black	AW 6063 T66	77 g/pcs
09.302.48.60	Hanger 83x60 mm, holes Ø5 mm	Ø5.1	unpainted	AW 6063 T66	77 g/pcs
09.303.10.9005	Spacer 10 mm			Silicone	2 g/pcs
09.303.20.9005	Spacer 20 mm			Silicone	4 g/pcs

Non-standard hangers on request.
Other colors on request.

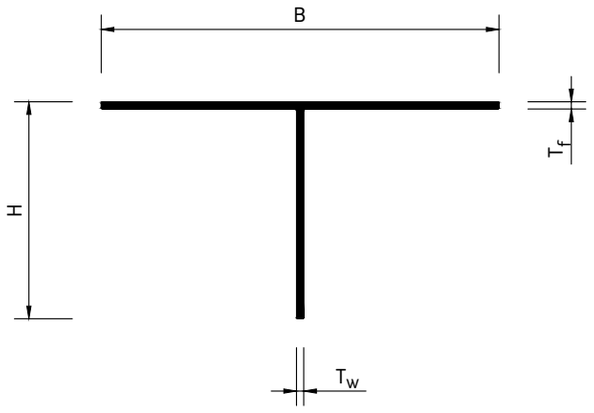
10/2018

PROFILES

T PROFILES

Q-VENT

SYSTEM COMPONENTS



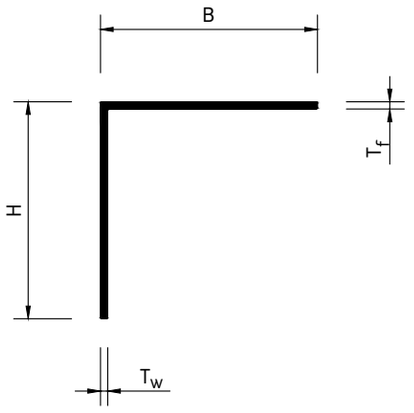
MATERIAL: AW 6063 T66 (*T5)

Article No	Description	Finish	Dimensions [mm] B / H / T_f / T_w	WEIGHT
01.2.130552.xxx	Profile T 130x55x2 *	unpainted	130 / 55 / 2 / 2	1034 g/m
01.2.130552.xxxP		painted black		
01.2.110602.xxx	Profile T 110x60x2	unpainted	110 / 60 / 2 / 2	886 g/m
01.2.110602.xxxP		painted black		
01.2.110452.xxx	Profile T 110x45x2	unpainted	110 / 45 / 2 / 2	826 g/m
01.2.110452.xxxP		painted black		
01.2.80602.xxx	Profile T 80x60x2	unpainted	80 / 60 / 2 / 2	734 g/m
01.2.80602.xxxP		painted black		
01.2.80452.xxx	Profile T 80x45x2	unpainted	80 / 45 / 2 / 2	664 g/m
01.2.80452.xxxP		painted black		
01.2.595919.xxx	Profile T 59x59x1.9	unpainted	59 / 59 / 1.9 / 1.9	584 g/m
01.2.595919.xxxP		painted black		
01.2.586527.xxx	Profile T 58x65x2.7	unpainted	58 / 65 / 2.4 / 2.7	811 g/m
01.2.586527.xxxP		painted black		

xxx - profile length

Standard length 6000 mm.
Other colors or anodized finishes on request.

SYSTEM COMPONENTS



MATERIAL: AW 6063 T66 (*T5)

Article No	Description	Finish	Dimensions [mm] B / H / T_f / T_w	WEIGHT
01.1.66662.xxx	Profile L 66x66x2 *	unpainted	66 / 66 / 2 / 2	701 g/m
01.1.66662.xxxP		painted black		
01.1.66552.xxx	Profile L 66x55x2 *	unpainted	66 / 55 / 2 / 2	666 g/m
01.1.66552.xxxP		painted black		
01.1.60503.xxx	Profile L 60x50x3	unpainted	60 / 50 / 3 / 3	864 g/m
01.1.60503.xxxP		painted black		
01.1.60402.xxx	Profile L 60x40x2	unpainted	60 / 40 / 2 / 2	455 g/m
01.1.60402.xxxP		painted black		
01.1.40402.xxx	Profile L 40x40x2	unpainted	40 / 40 / 2 / 2	421 g/m
01.1.40402.xxxP		painted black		
01.1.40403.xxx	Profile L 40x40x3	unpainted	40 / 40 / 3 / 3	627 g/m
01.1.40403.xxxP		painted black		
01.1.40202.xxx	Profile L 40x20x2	unpainted	40 / 20 / 2 / 2	313 g/m
01.1.40202.xxxP		painted black		

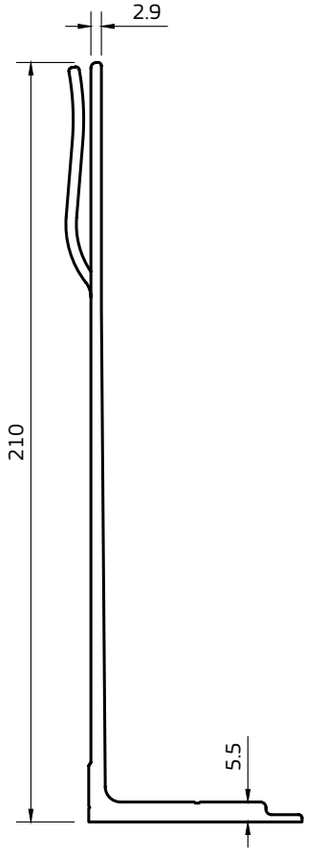
xxx - profile length

Standard length 6000 mm.
Other colors or anodized finishes on request.

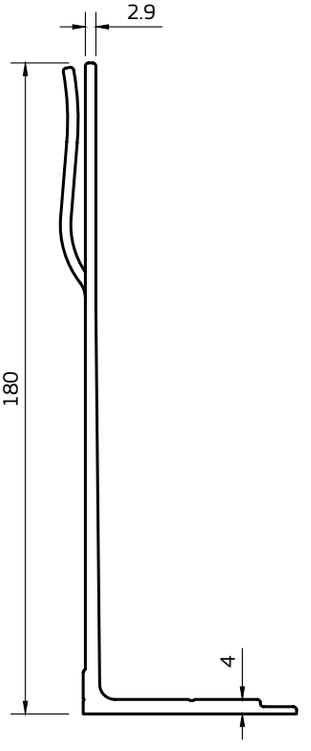
WALL BRACKETS

Q-VENT

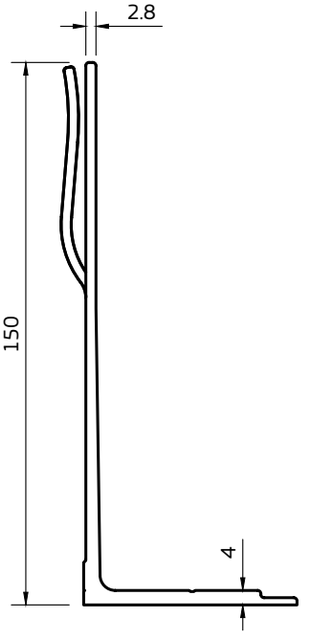
SYSTEM COMPONENTS



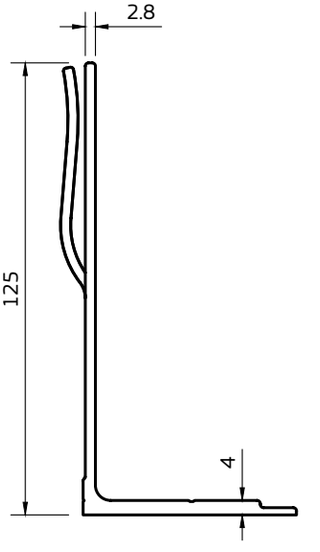
QVB 210



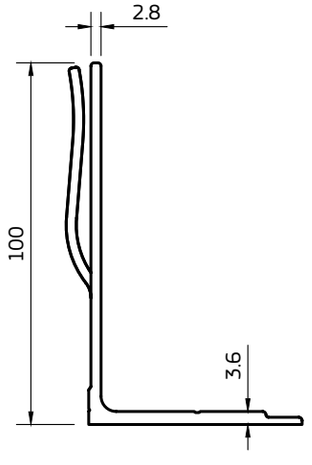
QVB 180



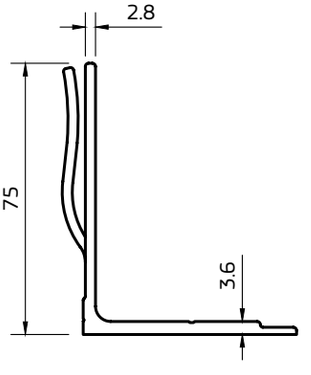
QVB 150



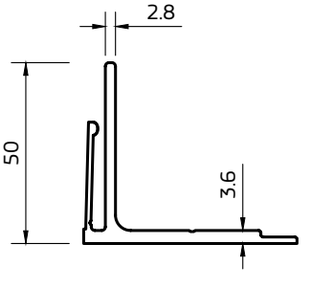
QVB 125



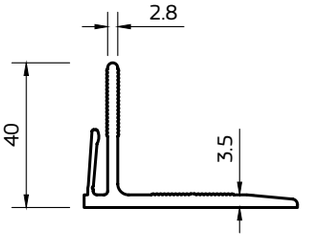
QVB 100



QVB 75



QVB 50



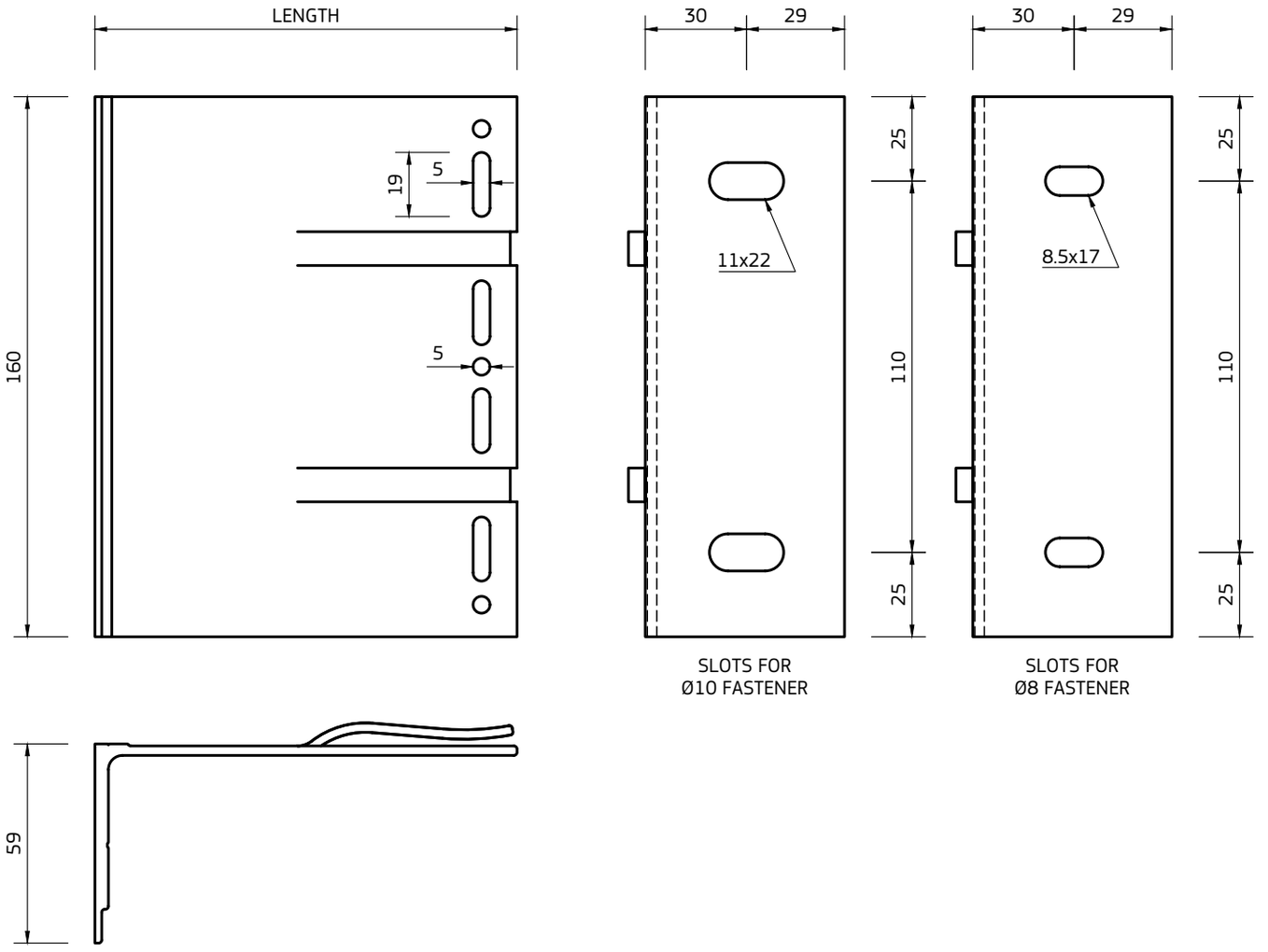
QVB 40

All dimensions are in mm I Scale 1:2

Q-VENT

WALL BRACKETS

SYSTEM COMPONENTS



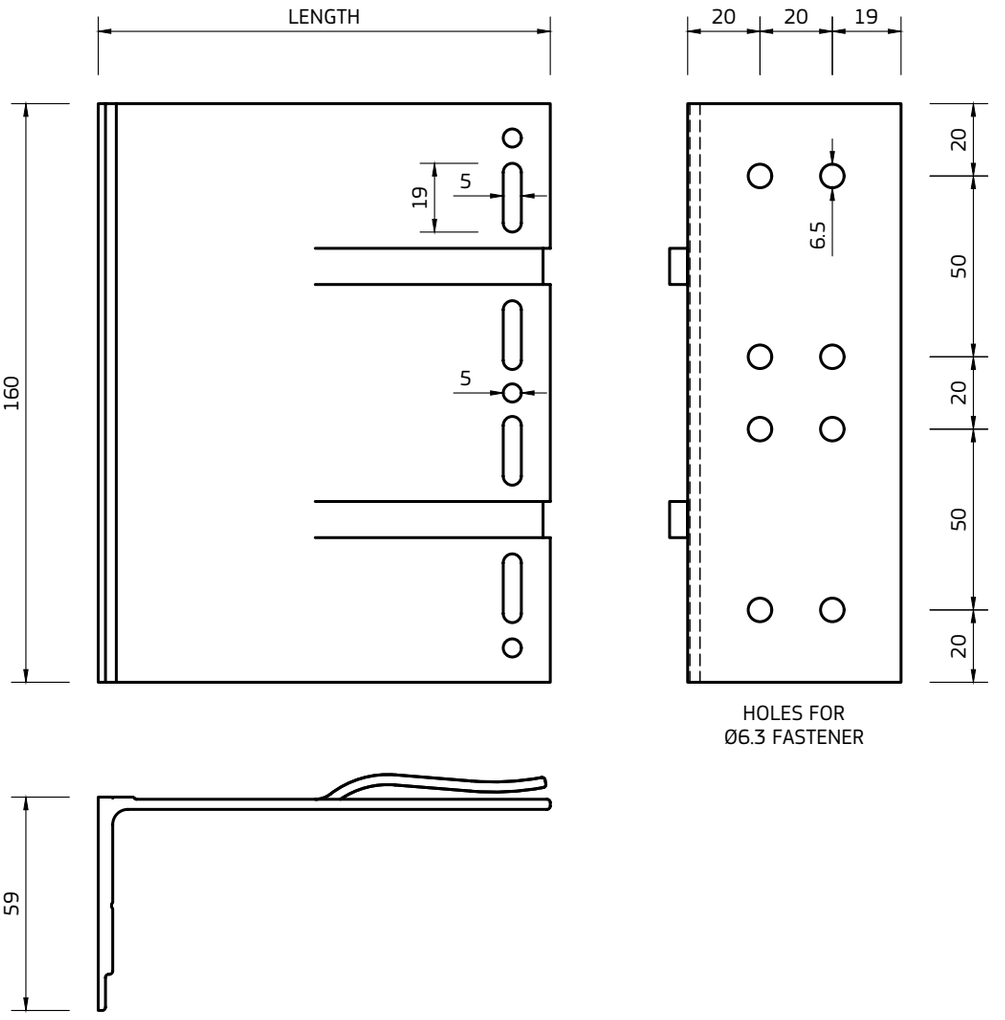
MATERIAL: AW 6063 T6 FINISH: UNPAINTED

LENGTH	HOLES FOR Ø10 FASTENER		HOLES FOR Ø8 FASTENER		WEIGHT
	Article No	Description	Article No	Description	
210 mm	02.210.160.10	Wall bracket QVB 210/160 (2x10)	02.210.160.08	Wall bracket QVB 210/160 (2x8)	419 g/pcs
180 mm	02.180.160.10	Wall bracket QVB 180/160 (2x10)	02.180.160.08	Wall bracket QVB 180/160 (2x8)	343 g/pcs
150 mm	02.150.160.10	Wall bracket QVB 150/160 (2x10)	02.150.160.08	Wall bracket QVB 150/160 (2x8)	293 g/pcs
125 mm	02.125.160.10	Wall bracket QVB 125/160 (2x10)	02.125.160.08	Wall bracket QVB 125/160 (2x8)	242 g/pcs
100 mm	02.100.160.10	Wall bracket QVB 100/160 (2x10)	02.100.160.08	Wall bracket QVB 100/160 (2x8)	204 g/pcs
75 mm	02.75.160.10	Wall bracket QVB 75/160 (2x10)	02.75.160.08	Wall bracket QVB 75/160 (2x8)	174 g/pcs
50 mm	02.50.160.10	Wall bracket QVB 50/160 (2x10)	02.50.160.08	Wall bracket QVB 50/160 (2x8)	162 g/pcs
40 mm	02.40.160.10	Wall bracket QVB 40/160 (2x10)	02.40.160.08	Wall bracket QVB 40/160 (2x8)	147 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

SYSTEM COMPONENTS



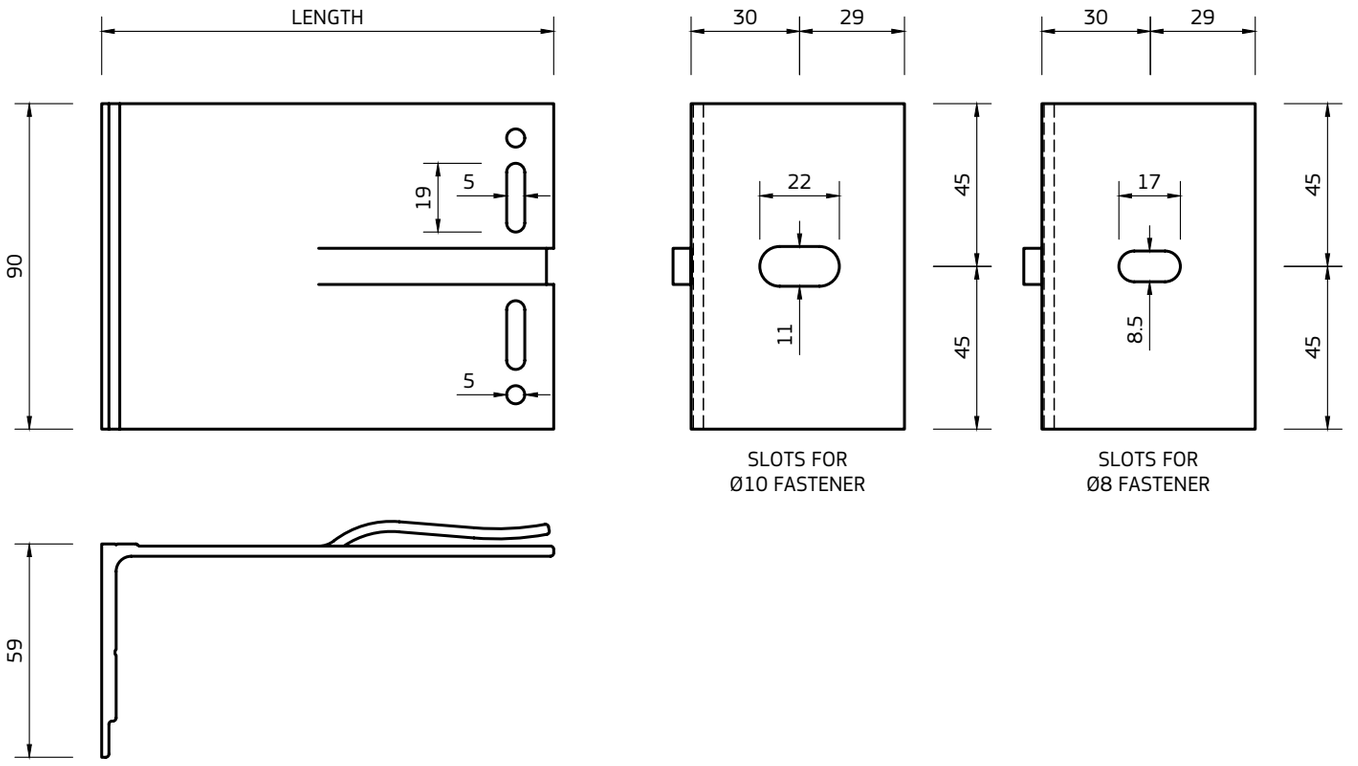
MATERIAL: AW 6063 T6 FINISH: UNPAINTED

LENGTH	HOLES FOR Ø6.3 FASTENER		WEIGHT
	Article No	Description	
210 mm	02.210.160.63	Wall bracket QVB 210/160 (8x6.3)	419 g/pcs
180 mm	02.180.160.63	Wall bracket QVB 180/160 (8x6.3)	343 g/pcs
150 mm	02.150.160.63	Wall bracket QVB 150/160 (8x6.3)	293 g/pcs
125 mm	02.125.160.63	Wall bracket QVB 125/160 (8x6.3)	242 g/pcs
100 mm	02.100.160.63	Wall bracket QVB 100/160 (8x6.3)	204 g/pcs
75 mm	02.75.160.63	Wall bracket QVB 75/160 (8x6.3)	174 g/pcs
50 mm	02.50.160.63	Wall bracket QVB 50/160 (8x6.3)	162 g/pcs
40 mm	02.40.160.63	Wall bracket QVB 40/160 (8x6.3)	147 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

SYSTEM COMPONENTS



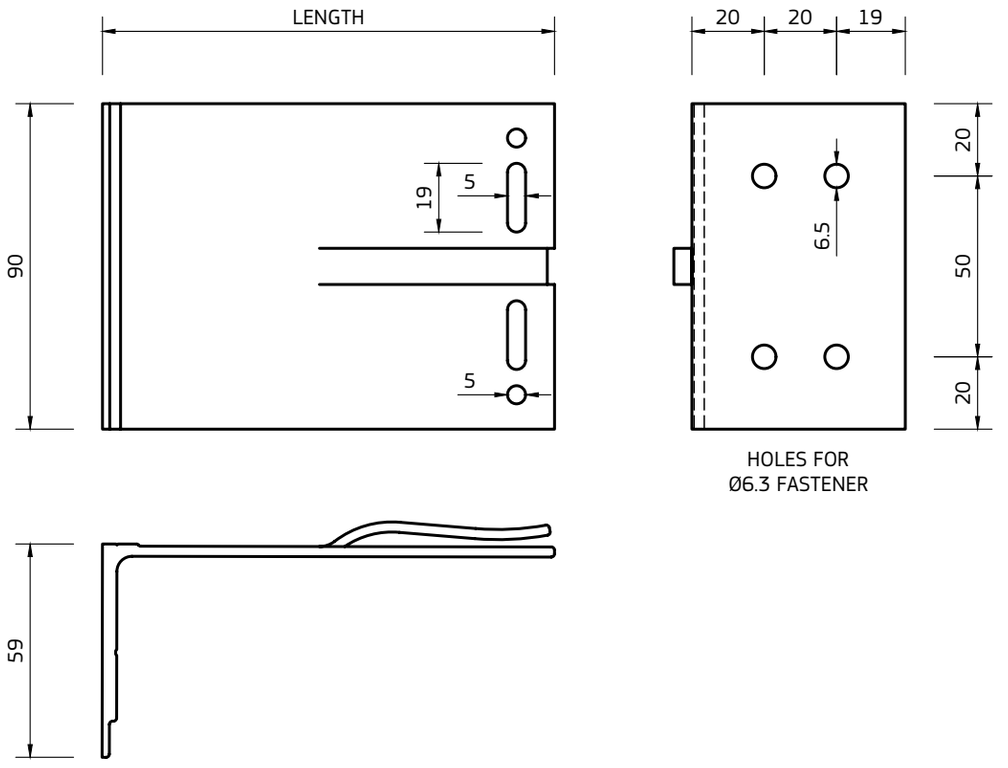
MATERIAL: AW 6063 T6 FINISH: UNPAINTED

LENGTH	HOLES FOR Ø10 FASTENER		HOLES FOR Ø6.3 FASTENER		WEIGHT
	Article No	Description	Article No	Description	
210 mm	02.210.90.10	Wall bracket QVB 210/90 (1x10)	02.210.90.08	Wall bracket QVB 210/90 (1x8)	236 g/pcs
180 mm	02.180.90.10	Wall bracket QVB 180/90 (1x10)	02.180.90.08	Wall bracket QVB 180/90 (1x8)	193 g/pcs
150 mm	02.150.90.10	Wall bracket QVB 150/90 (1x10)	02.150.90.08	Wall bracket QVB 150/90 (1x8)	165 g/pcs
125 mm	02.125.90.10	Wall bracket QVB 125/90 (1x10)	02.125.90.08	Wall bracket QVB 125/90 (1x8)	136 g/pcs
100 mm	02.100.90.10	Wall bracket QVB 100/90 (1x10)	02.100.90.08	Wall bracket QVB 100/90 (1x8)	115 g/pcs
75 mm	02.75.90.10	Wall bracket QVB 75/90 (1x10)	02.75.90.08	Wall bracket QVB 75/90 (1x8)	98 g/pcs
50 mm	02.50.90.10	Wall bracket QVB 50/90 (1x10)	02.50.90.08	Wall bracket QVB 50/90 (1x8)	91 g/pcs
40 mm	02.40.90.10	Wall bracket QVB 40/90 (1x10)	02.40.90.08	Wall bracket QVB 40/90 (1x8)	83 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

SYSTEM COMPONENTS



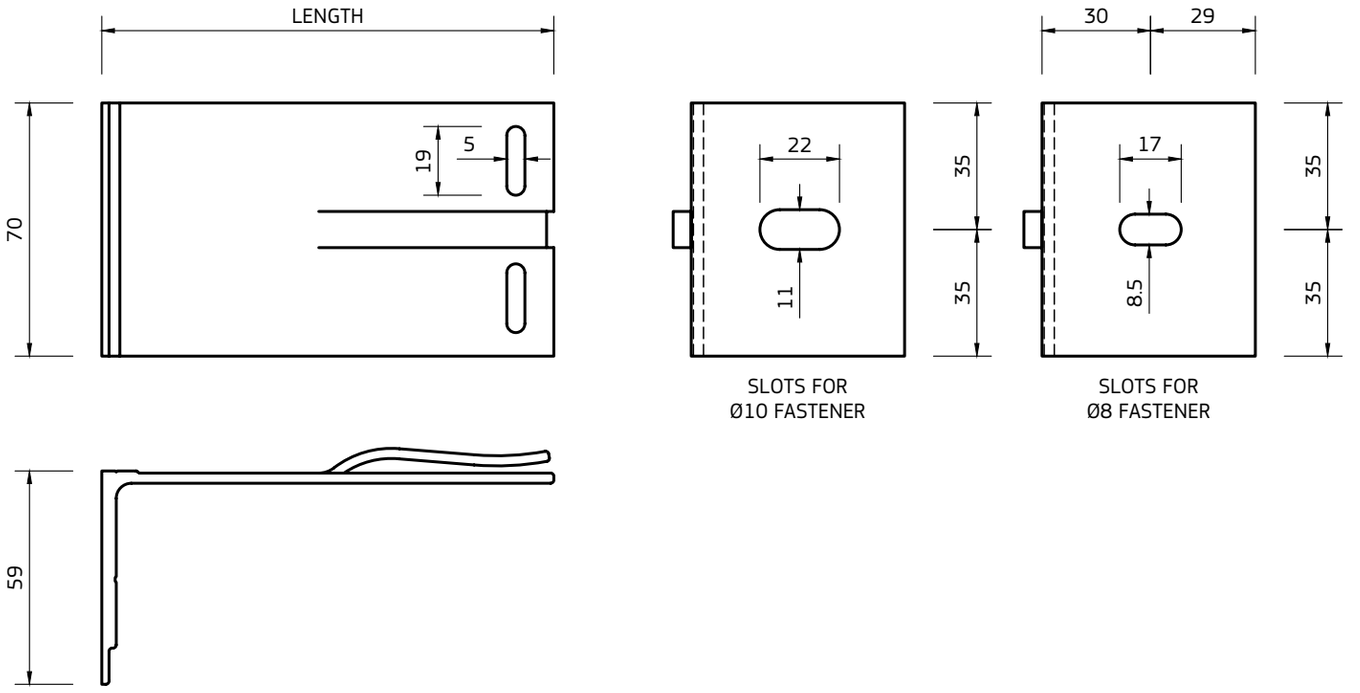
MATERIAL: AW 6063 T6 FINISH: UNPAINTED

LENGTH	HOLES FOR Ø6.3 FASTENER		WEIGHT
	Article No	Description	
210 mm	02.210.90.63	Wall bracket QVB 210/90 (4x6.3)	236 g/pcs
180 mm	02.180.90.63	Wall bracket QVB 180/90 (4x6.3)	193 g/pcs
150 mm	02.150.90.63	Wall bracket QVB 150/90 (4x6.3)	165 g/pcs
125 mm	02.125.90.63	Wall bracket QVB 125/90 (4x6.3)	136 g/pcs
100 mm	02.100.90.63	Wall bracket QVB 100/90 (4x6.3)	115 g/pcs
75 mm	02.75.90.63	Wall bracket QVB 75/90 (4x6.3)	98 g/pcs
50 mm	02.50.90.63	Wall bracket QVB 50/90 (4x6.3)	91 g/pcs
40 mm	02.40.90.63	Wall bracket QVB 40/90 (4x6.3)	83 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

SYSTEM COMPONENTS



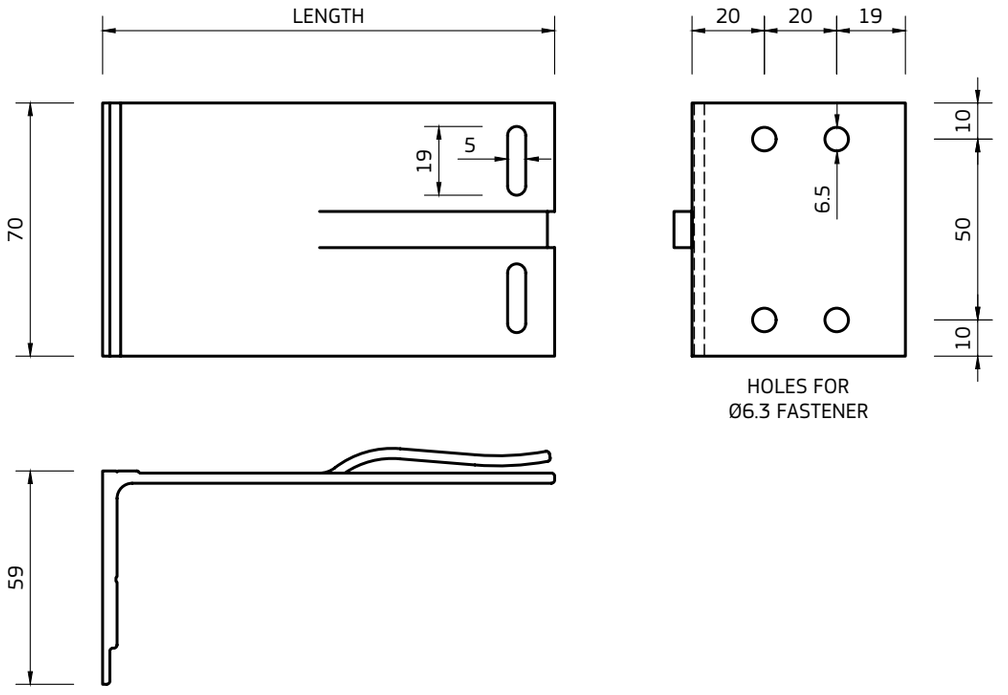
MATERIAL: AW 6063 T6 FINISH: UNPAINTED

LENGTH	HOLES FOR Ø10 FASTENER		HOLES FOR Ø6.3 FASTENER		WEIGHT
	Article No	Description	Article No	Description	
210 mm	02.210.70.10	Wall bracket QVB 210/70 (1x10)	02.210.70.08	Wall bracket QVB 210/70 (1x8)	183 g/pcs
180 mm	02.180.70.10	Wall bracket QVB 180/70 (1x10)	02.180.70.08	Wall bracket QVB 180/70 (1x8)	150 g/pcs
150 mm	02.150.70.10	Wall bracket QVB 150/70 (1x10)	02.150.70.08	Wall bracket QVB 150/70 (1x8)	128 g/pcs
125 mm	02.125.70.10	Wall bracket QVB 125/70 (1x10)	02.125.70.08	Wall bracket QVB 125/70 (1x8)	106 g/pcs
100 mm	02.100.70.10	Wall bracket QVB 100/70 (1x10)	02.100.70.08	Wall bracket QVB 100/70 (1x8)	89 g/pcs
75 mm	02.75.70.10	Wall bracket QVB 75/70 (1x10)	02.75.70.08	Wall bracket QVB 75/70 (1x8)	76 g/pcs
50 mm	02.50.70.10	Wall bracket QVB 50/70 (1x10)	02.50.70.08	Wall bracket QVB 50/70 (1x8)	71 g/pcs
40 mm	02.40.70.10	Wall bracket QVB 40/70 (1x10)	02.40.70.08	Wall bracket QVB 40/70 (1x8)	64 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

SYSTEM COMPONENTS



MATERIAL: AW 6063 T6 FINISH: UNPAINTED

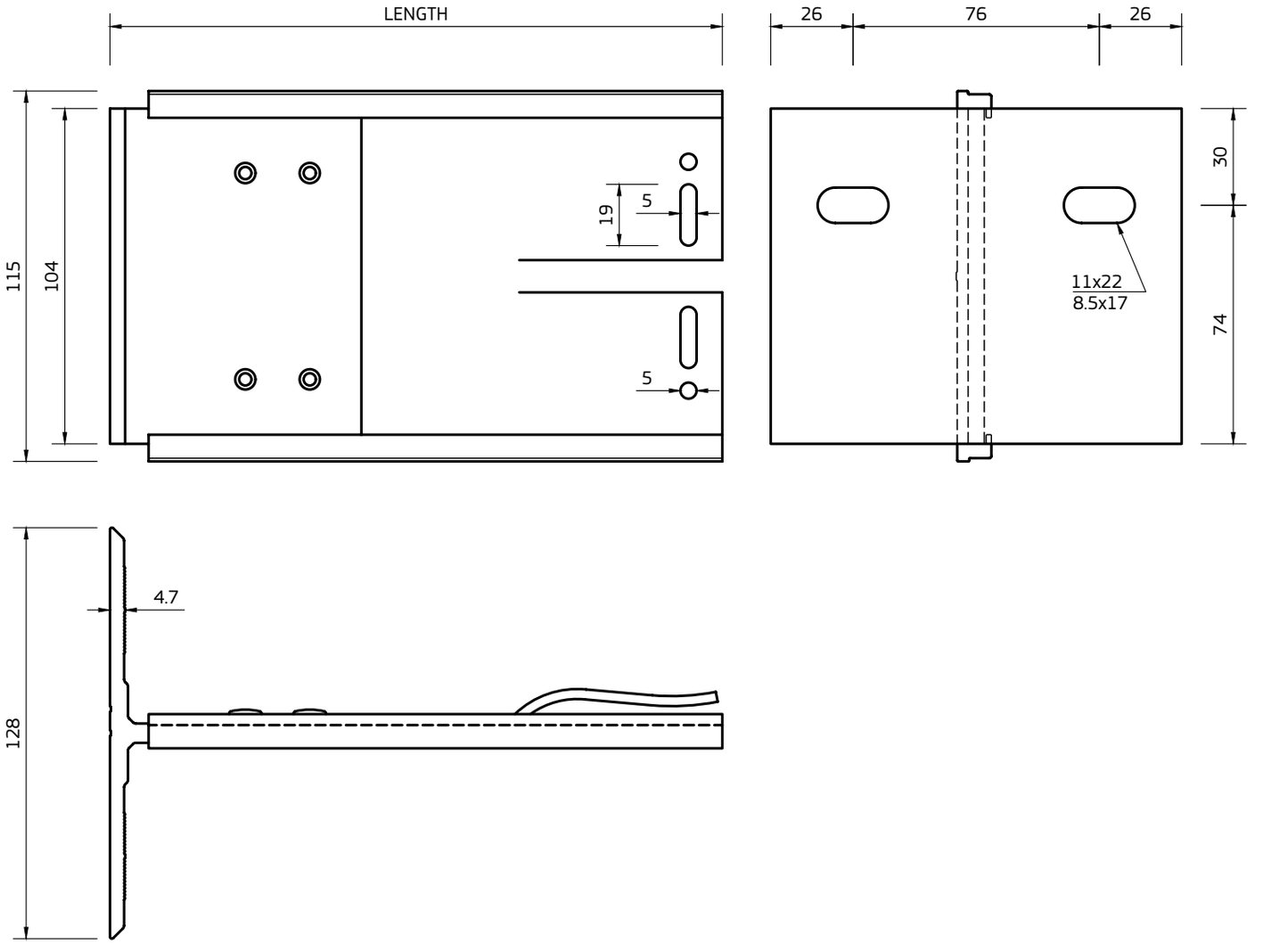
LENGTH	HOLES FOR Ø6.3 FASTENER		WEIGHT
	Article No	Description	
210 mm	02.210.70.63	Wall bracket QVB 210/70 (4x6.3)	183 g/pcs
180 mm	02.180.70.63	Wall bracket QVB 180/70 (4x6.3)	150 g/pcs
150 mm	02.150.70.63	Wall bracket QVB 150/70 (4x6.3)	128 g/pcs
125 mm	02.125.70.63	Wall bracket QVB 125/70 (4x6.3)	106 g/pcs
100 mm	02.100.70.63	Wall bracket QVB 100/70 (4x6.3)	89 g/pcs
75 mm	02.75.70.63	Wall bracket QVB 75/70 (4x6.3)	76 g/pcs
50 mm	02.50.70.63	Wall bracket QVB 50/70 (4x6.3)	71 g/pcs
40 mm	02.40.70.63	Wall bracket QVB 40/70 (4x6.3)	64 g/pcs

All dimensions are in mm I Scale 1:2

Q-VENT

WALL BRACKETS

SYSTEM COMPONENTS



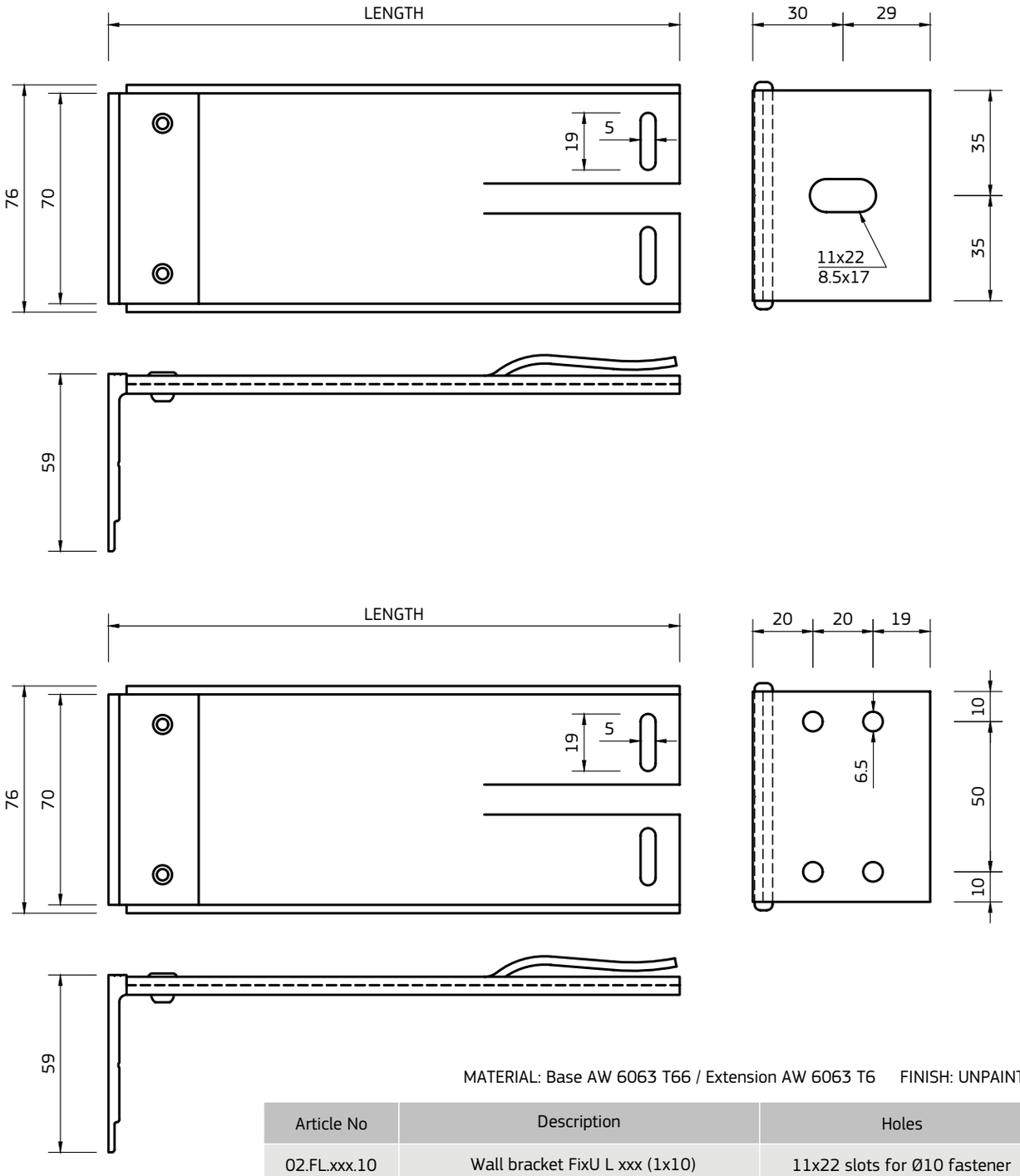
MATERIAL: Base AW 6063 T66 / Extension AW 6063 T6 FINISH: UNPAINTED

Article No	Description	Holes
02.FU.xxx.10	Wall bracket FixU xxx (2x10)	11x22 slots for Ø10 fastener
02.FU.xxx.08	Wall bracket FixU xxx (2x8)	8.5x17 slots for Ø8 fastener

xxx - length

Lengths available from 150 mm.

SYSTEM COMPONENTS



MATERIAL: Base AW 6063 T66 / Extension AW 6063 T6 FINISH: UNPAINTED

Article No	Description	Holes
02.FL.xxx.10	Wall bracket FixU L xxx (1x10)	11x22 slots for Ø10 fastener
02.FL.xxx.08	Wall bracket FixU L xxx (1x8)	8.5x17 slots for Ø8 fastener
02.FL.xxx.63	Wall bracket FixU L xxx (4x6.3)	4xØ6.5 for Ø6.3 fastener

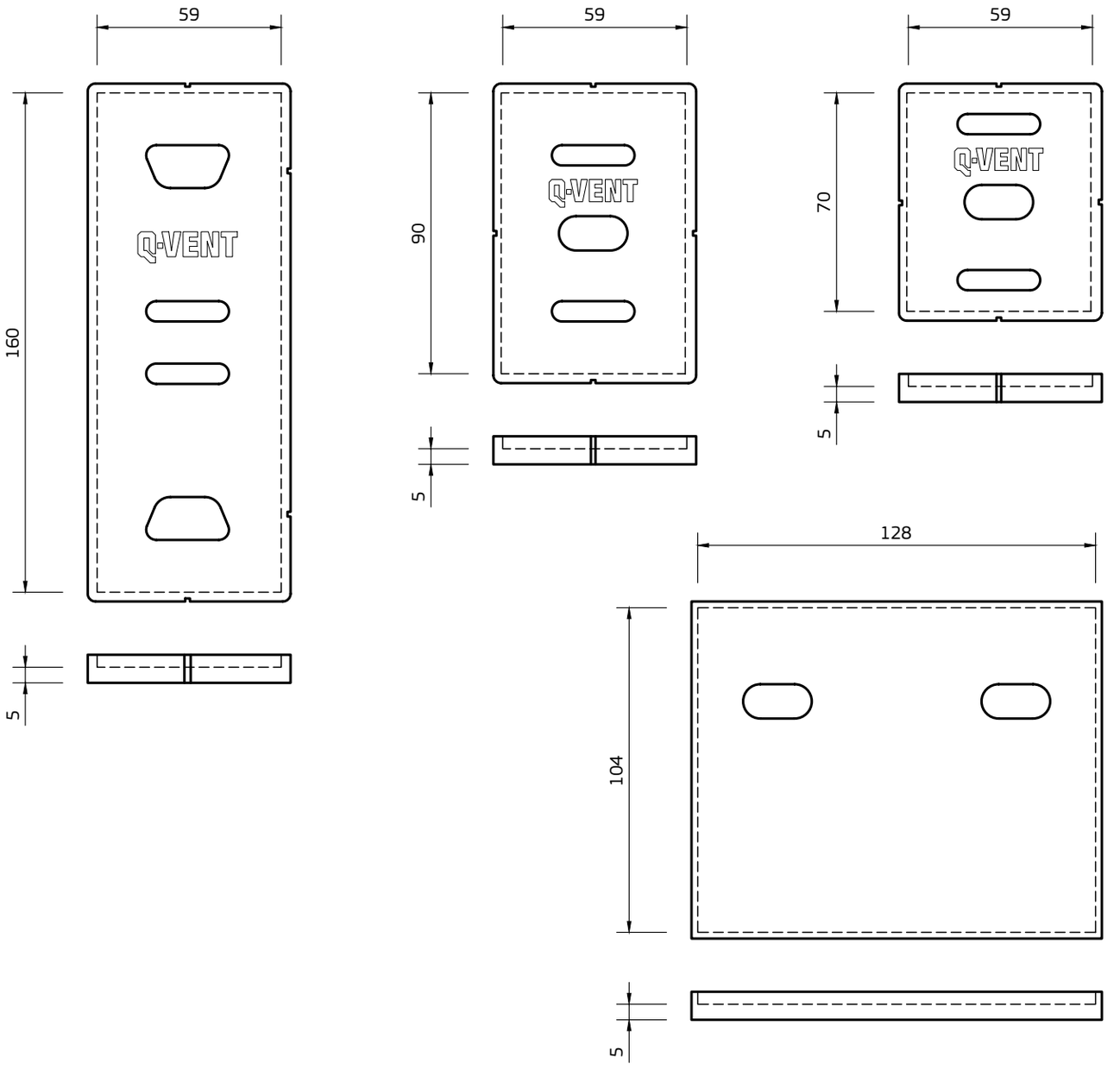
xxx - length

Lengths available from 150 mm.

Q-VENT

WALL BRACKETS

SYSTEM COMPONENTS



MATERIAL: Polypropylene

Article No	Description	WEIGHT
05.59.160	Thermo-pad 160x59	26 g/pcs
05.59.90	Thermo-pad 90x59	17 g/pcs
05.59.70	Thermo-pad 70x59	13 g/pcs
05.104.128	Thermo-pad 104x128	30 g/pcs

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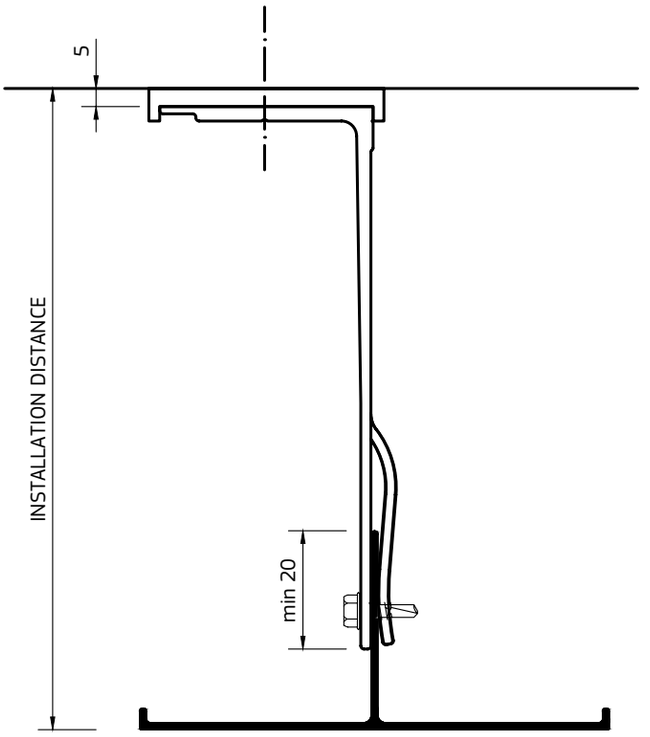
All dimensions are in mm I Scale 1:2

SYSTEM COMPONENTS



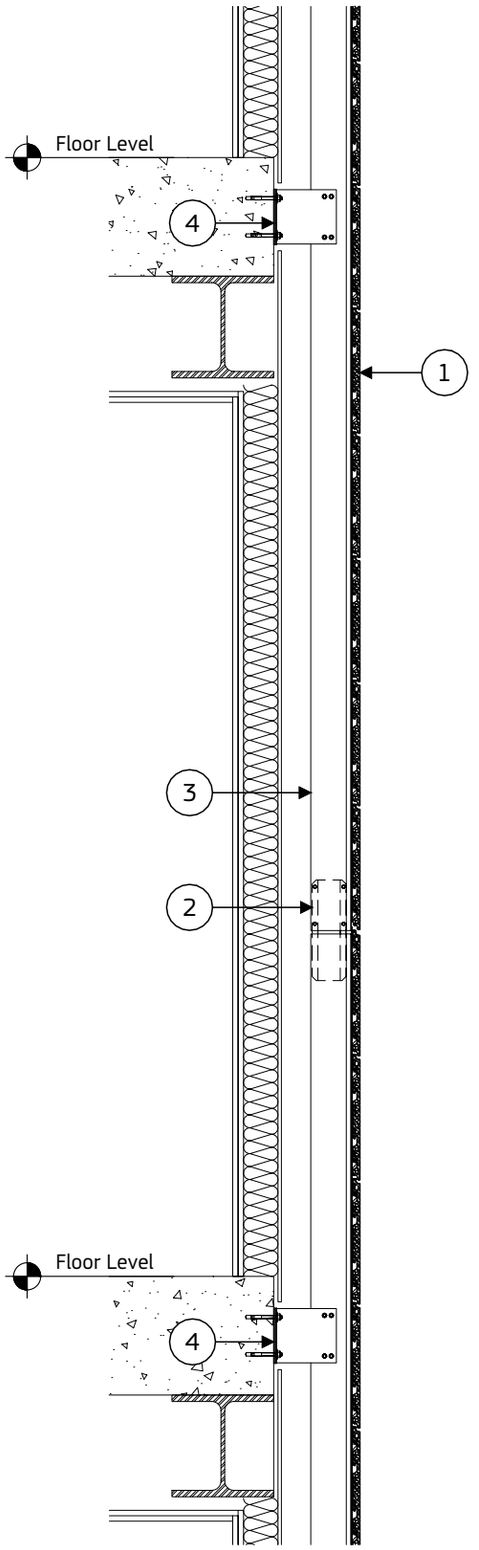
LENGTH	INSTALLATION DISTANCE (1) (2)	
	MINIMUM	MAXIMUM
210 mm	218 mm	255 mm
180 mm	188 mm	225 mm
150 mm	158 mm	195 mm
125 mm	128 mm	170 mm
100 mm	108 mm	145 mm
75 mm	83 mm	120 mm
50 mm	58 mm	95 mm
40 mm	55 mm	85 mm

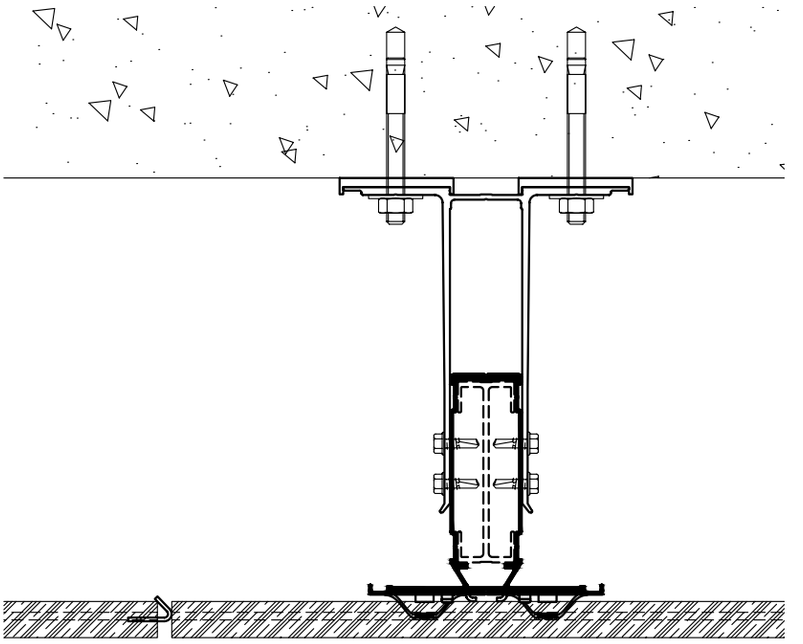
(1) Including 5 mm thermo-pad.
(2) Depends of the type of the vertical profile.

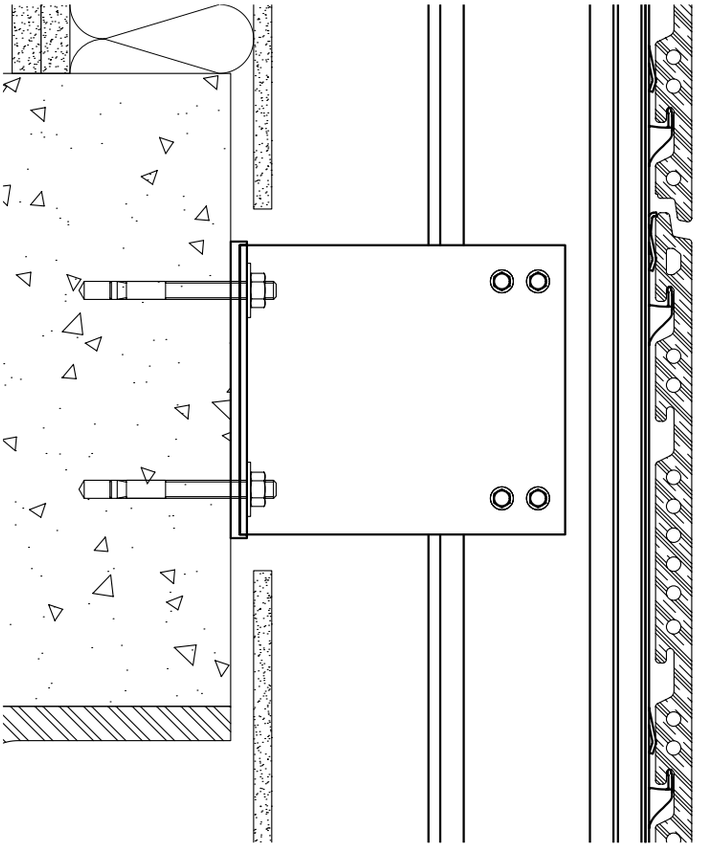
Q-VENT

SYSTEMS SOLUTIONS OVERVIEW

AIO SLAB-TO-SLAB BESPOKE RAINSCREEN SYSTEM







1 CERAMIC PANEL KERATWIN K20

2 AIO RAIL

3 AIO JOINT PROFILE

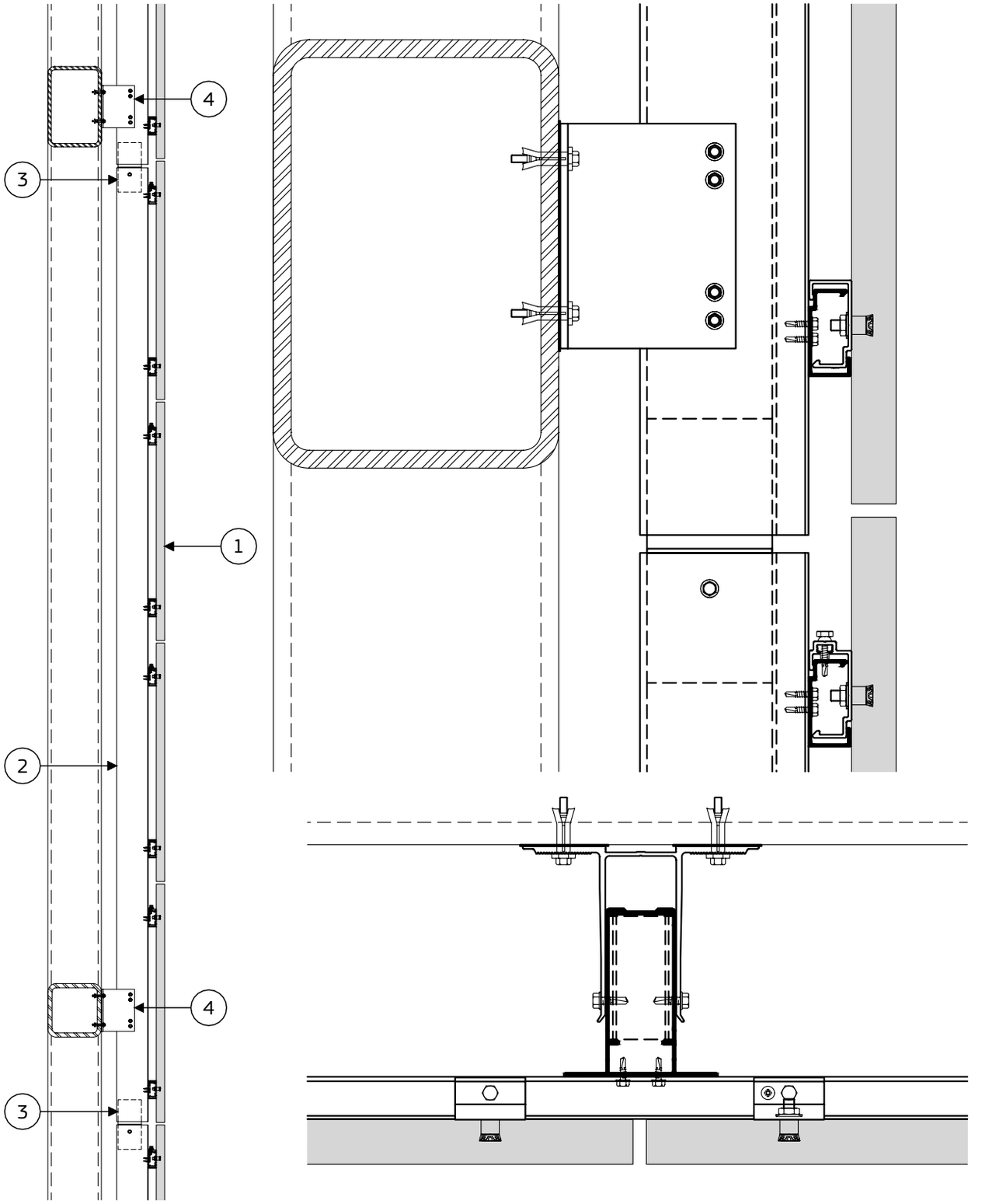
4 WALL BRACKET QAB 180/160

10/2018

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

AIO SLAB-TO-SLAB BESPOKE RAINSCREEN SYSTEM



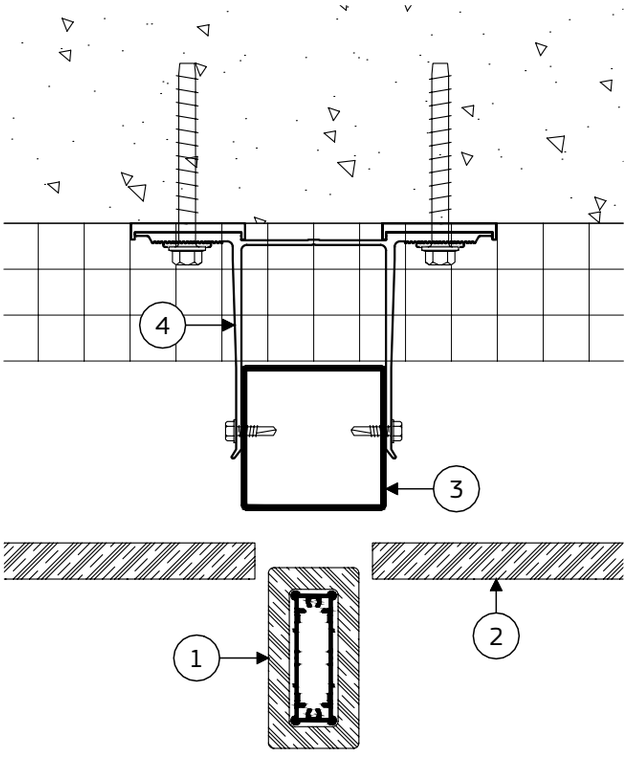
1 STONE PANEL
2 AIO RAIL
3 AIO JOINT PROFILE
4 WALL BRACKET QAB 125/160

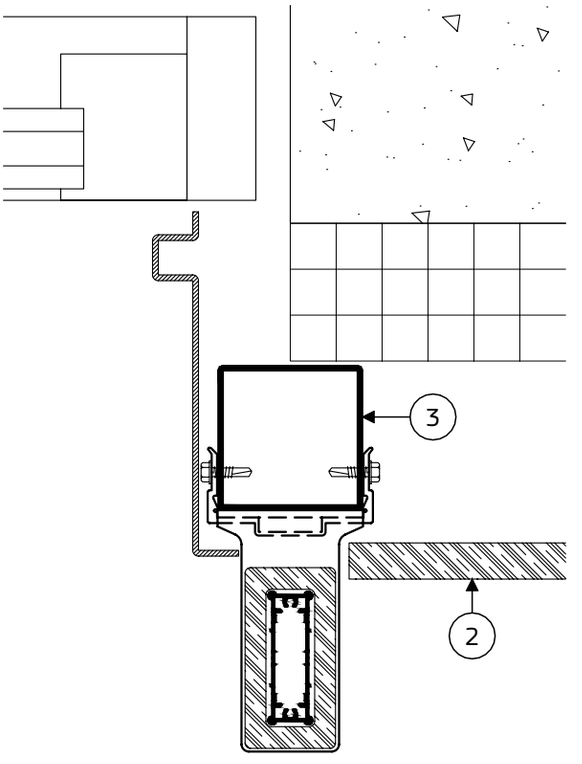
10/2018

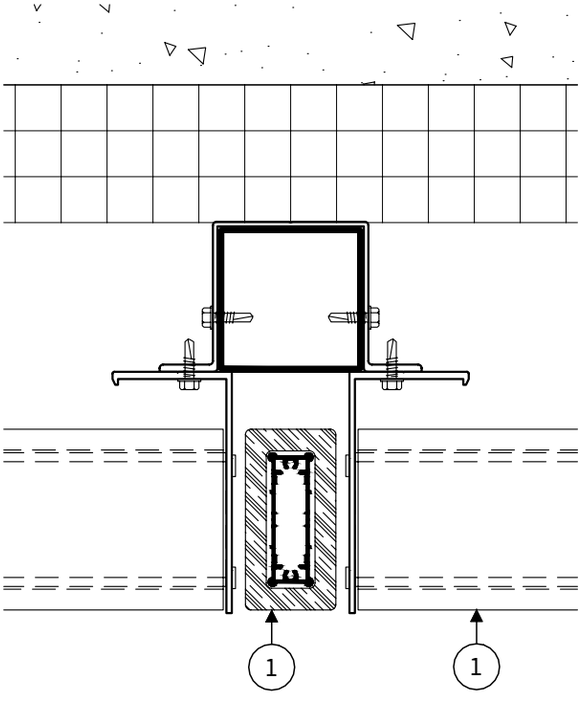
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

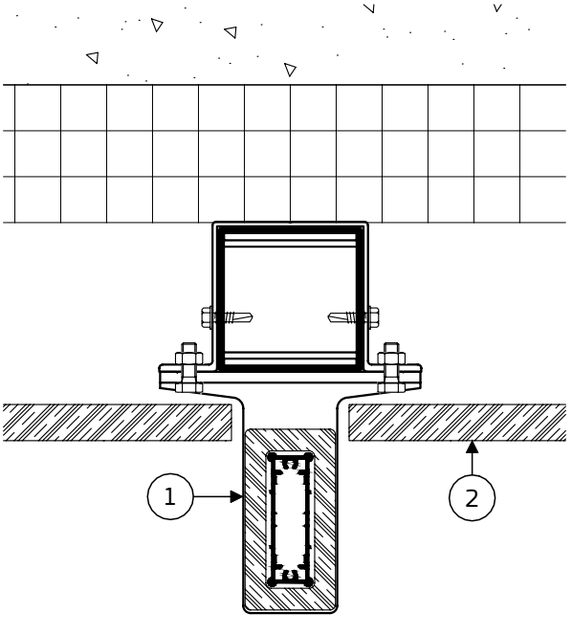
AIO CERAMIC BAGUETTES BESPOKE RAINSCREEN SYSTEM

Q-VENT









1 CERAMIC BAGUETTE

2 CERAMIC PANEL KERATWIN K20

3 AIO PROFILE

4 WALL BRACKET QAB 125/160

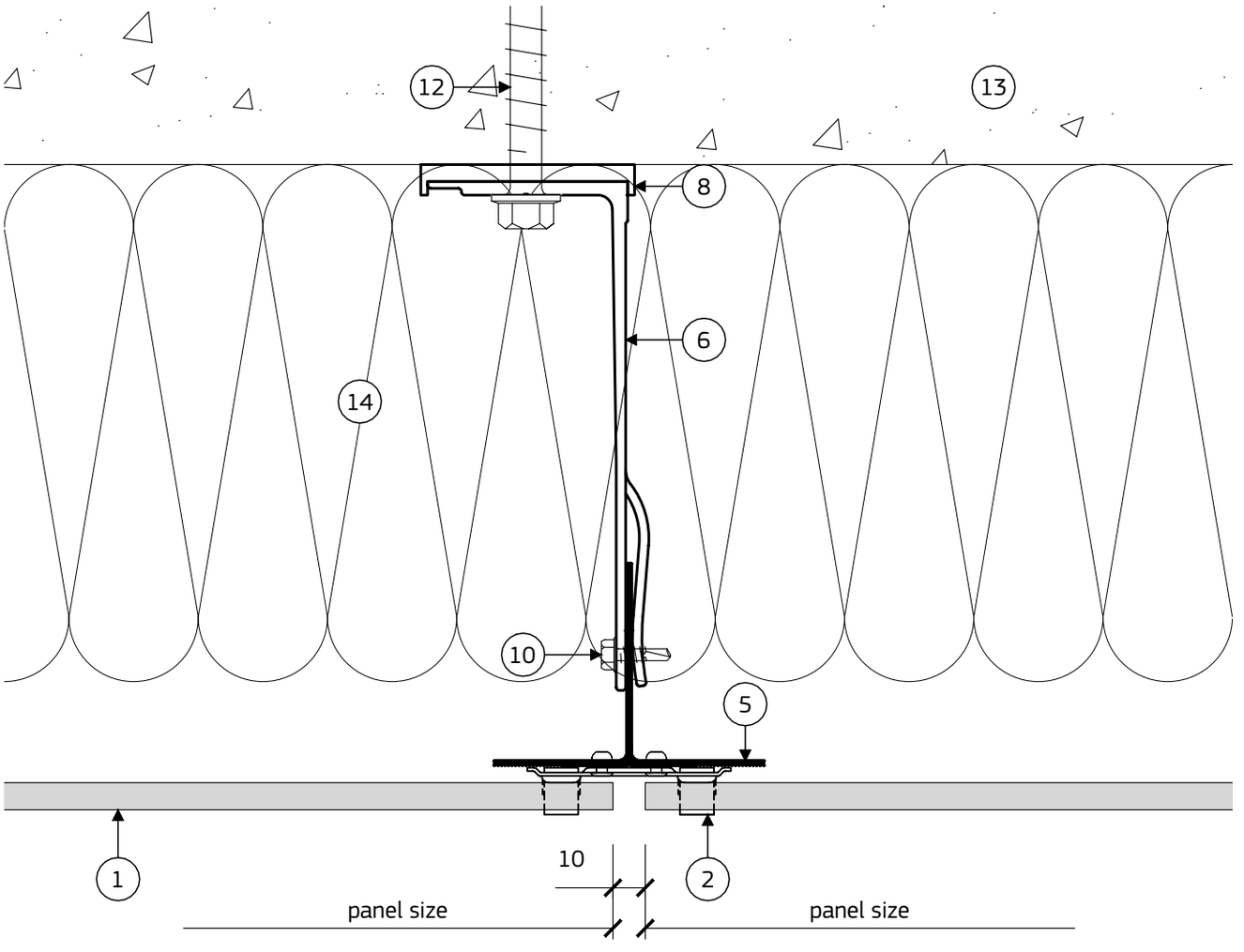
10/2018

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

QV1 FLAT PANELS VISIBLE CLAMP RAINSCREEN SYSTEM

1.1 PLAN DETAIL



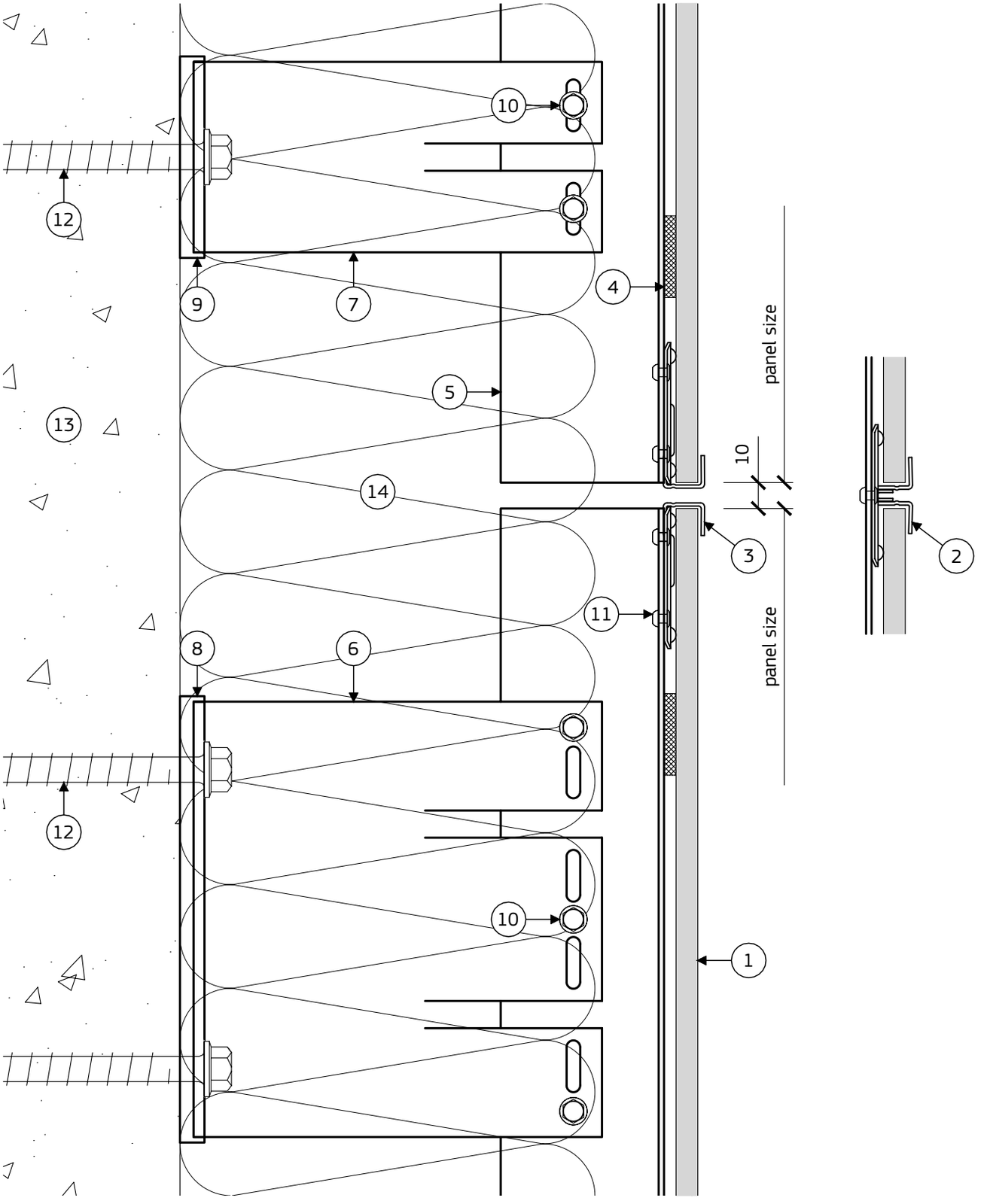
1. FLAT CERAMIC PANEL KerAion K8
2. F-545 TWIN-CLAMP K20
3. F-546 EDGE-CLAMP K20
4. FOAMED PIECE
5. PROFILE T80x60x2, PAINTED
   art.No 01.2.80602.xxxP
6. WALL BRACKET QVB 150/160, FIXED POINT
   art.No 02.150.160.10
7. WALL BRACKET QVB 150/70, SLIDING POINT
   art.No 02.150.70.10
8. THERMO-PAD 160x59
   art.No 05.59.160
9. THERMO-PAD 70x59
   art.No 05.59.70
10. SELF-DRILLING SCREW ø4.8x19, A2 HWH
11. BLIND RIVET ø3.2
12. FASTENER
13. CONCRETE
14. INSULATION

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

QV1 FLAT PANELS VISIBLE CLAMP RAINSCREEN SYSTEM

Q-VENT

2.1 SECTION DETAIL

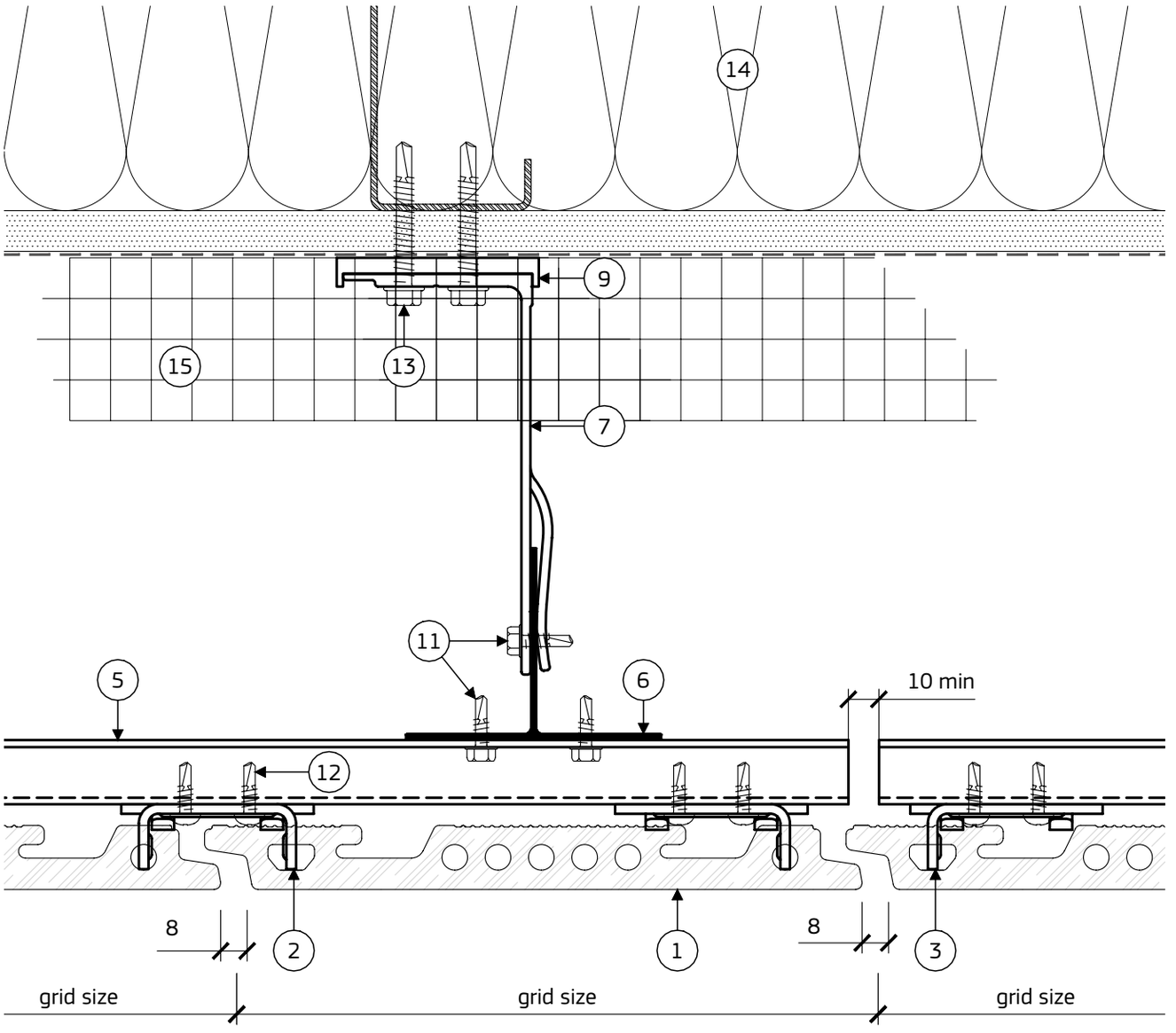


This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

Q-VENT

QV3 CERAMIC PANELS K20 CLAMP RAINSCREEN SYSTEM

1.1 PLAN DETAIL



1. CERAMIC PANELS AGROB BUCHTAL KeraTwin K20
2. F-680 TWIN-CLAMP K20
3. F-684 SINGLE-CLAMP K20
4. F-681 EDGE-CLAMP K20
5. HAT RAIL 120/60x20 *art.No 03.697.xxx*
6. PROFILE T80x60x2 *art.No 01.2.80602.xxx*
7. WALL BRACKET QVB 125/160, FIXED POINT *art.No 02.125.160.63*
8. WALL BRACKET QVB 125/70, SLIDING POINT *art.No02.125.70.63*
9. THERMO-PAD 160x59 *art.No 05.59.160*
10. THERMO-PAD 70x59 *art.No 05.59.70*
11. SELF-DRILLING SCREW ø4.8x19, A2 HWH
12. SELF-DRILLING SCREW ø4.8x19, A2 PH
13. SELF-DRILLING SCREW ø6.3x38, A2
14. STUD WALL
15. INSULATION

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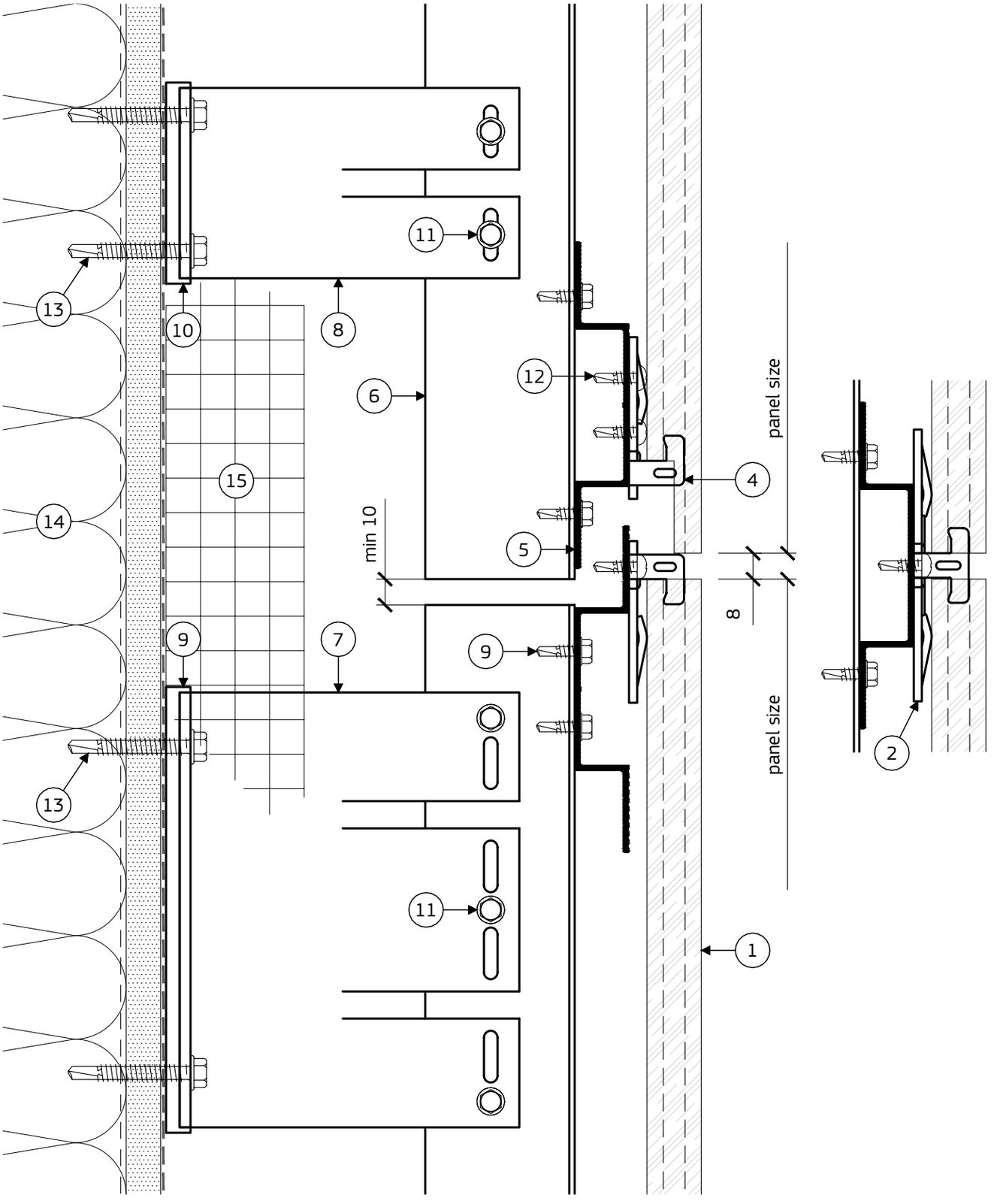
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

QV3 CERAMIC PANELS K20 CLAMP RAINSCREEN SYSTEM

2.1 SECTION DETAIL



10/2018

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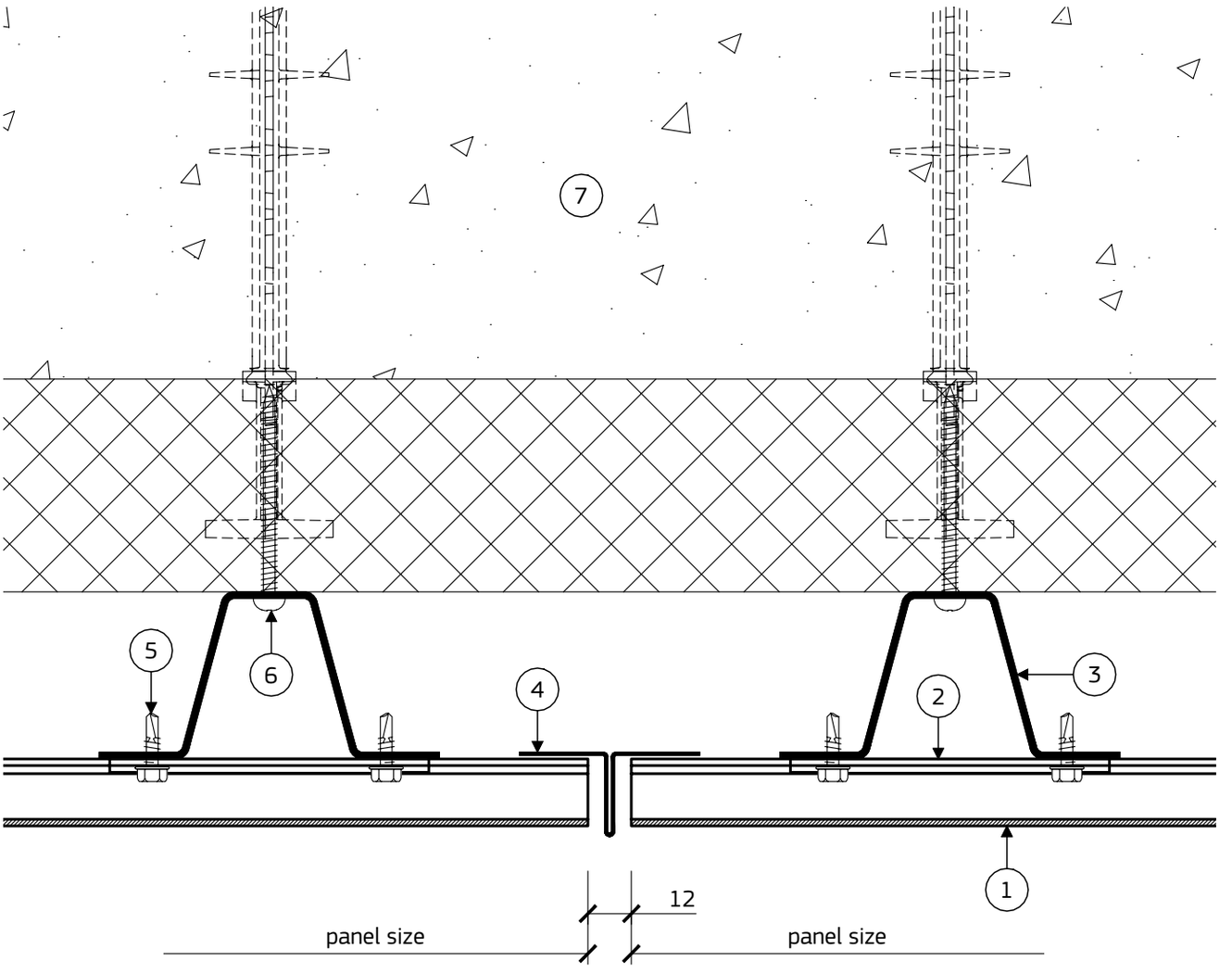
Q-VENT

QV9 EXTRUDED PANELS RAINSCREEN SYSTEM

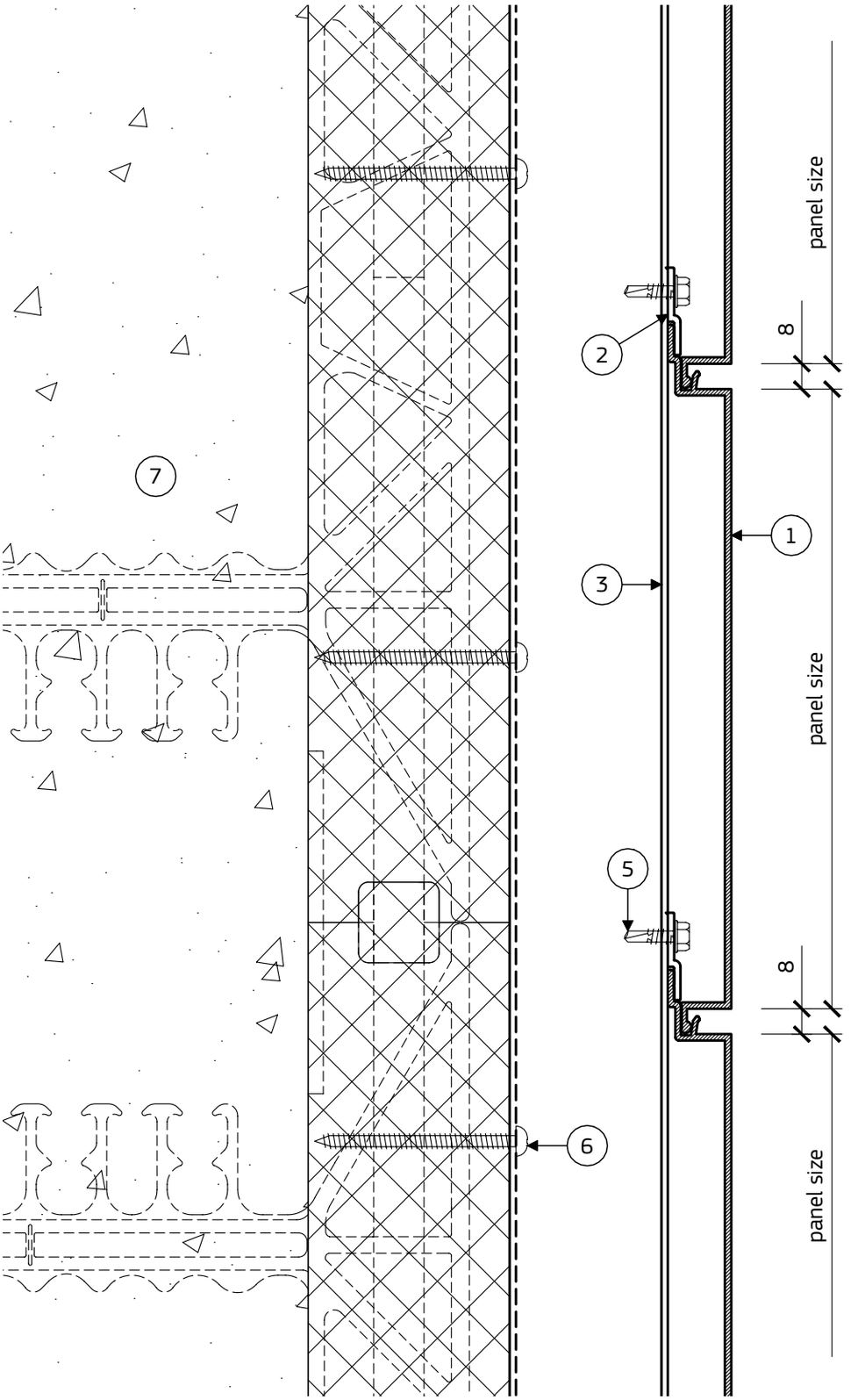
1.1 PLAN DETAIL



1. ALUMINUM PANEL ALU-XP
2. CLIP ALU-XP
3. VERTICAL HAT RAIL,PROJECT SPECIFIC
4. JOINT RAIL
5. SELF-DRILLING SCREW ø4.8x19 HWH
6. WOOD SCREW
7. REINFORCED ICF WALL

This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

2.1 SECTION DETAIL



This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

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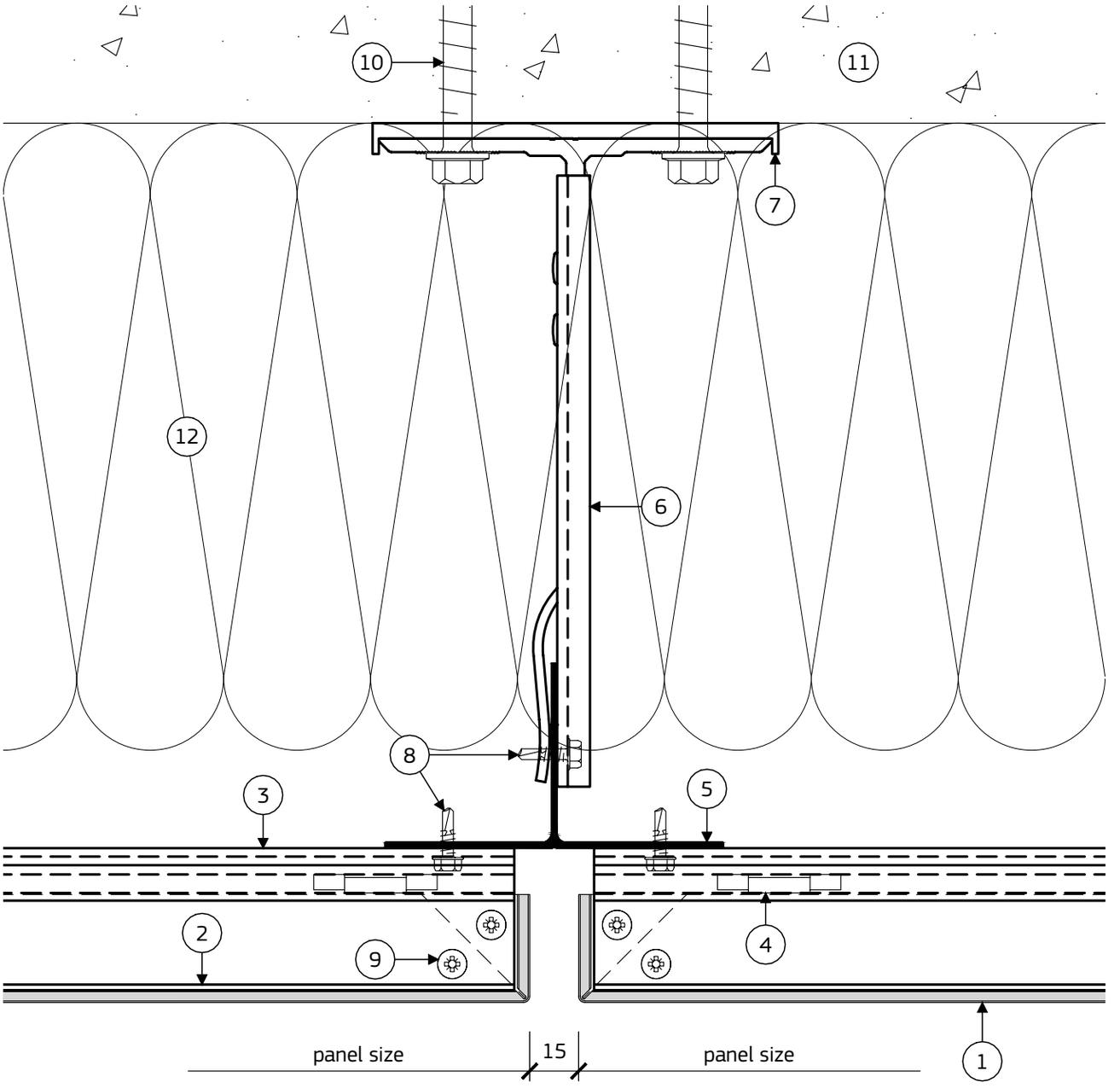
QV9 ACM PANELS SZ RAINSCREEN SYSTEM

1.1 PLAN DETAIL



1. ACM PANEL
2. S-RAIL *art.No 09.11.xxx*
3. Z-RAIL *art.No 09.12.xxx*
4. PLASTIC CLIP *art.No 09.101*
5. PROFILE T110x60x2, PAINTED *art.No 01.2.110602.xxxP*
6. WALL BRACKET FixU, FIXED POINT *art.No 02.fu.210.10*
7. THERMO-PAD FixU *art.No 05.128.104*
8. SELF-DRILLING SCREW ø4.8x19 HWH
9. SELF-DRILLING SCREW ø4.8x19 PH
10. FASTENER
11. CONCRETE
12. INSULATION

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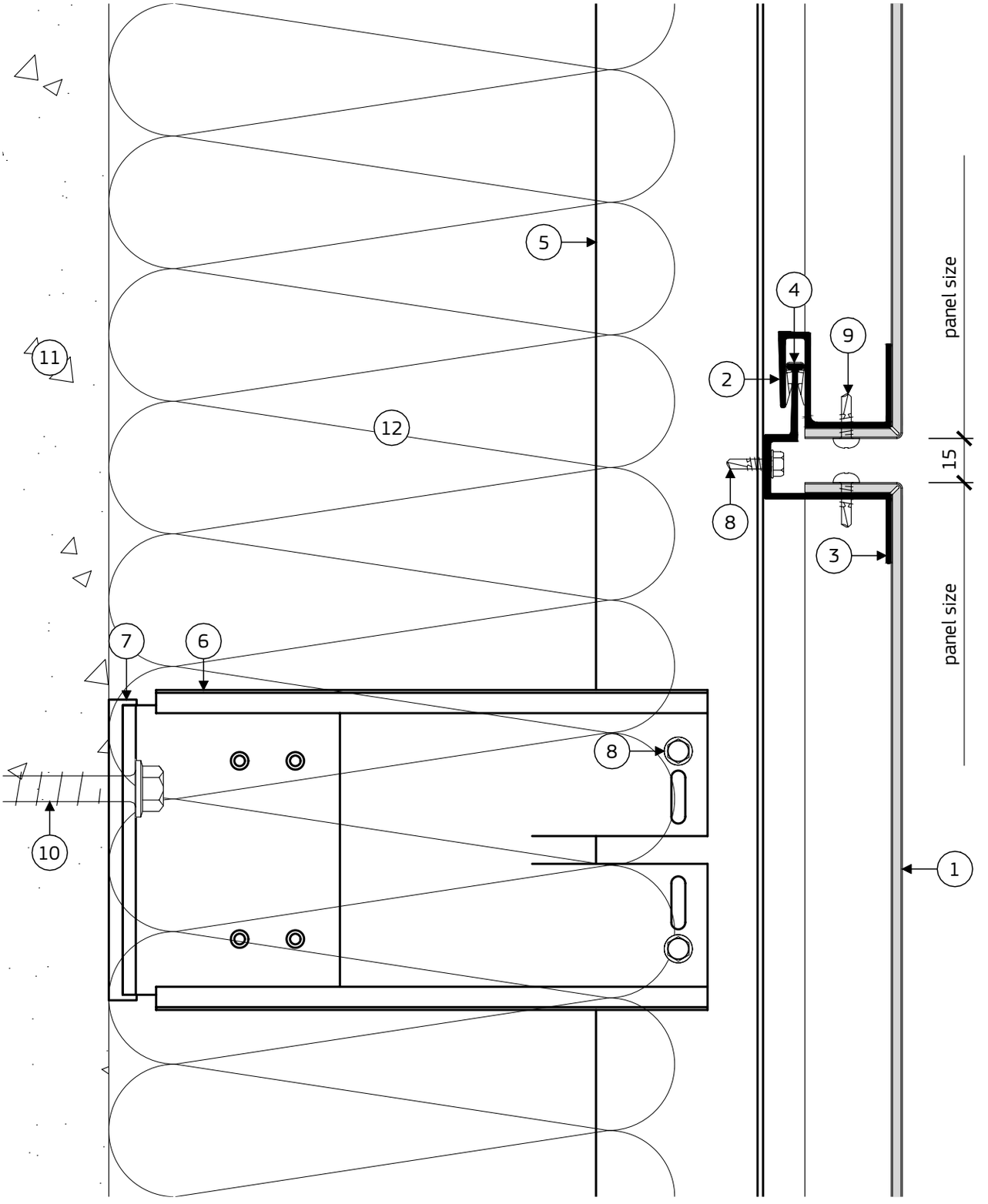
This is a conceptual detail. Assessment of structural performance of the cladding systems for individual buildings must be carried out by a qualified structural engineer.

QV9 ACM PANELS SZ RAINSCREEN SYSTEM

Q-VENT

2.1 SECTION DETAIL



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Q-VENT is an engineering company
established in 2011 in Sofia, Bulgaria.
We are a team of engineers,
designers, skilled workers.
Q-VENT is a ‘One Stop Supplier’
develops and delivers complete façade system.

In February 2014, Q-VENT founded Q-VENT USA LLCand opened a
manufacturing plant in Phoenix, Arizona USA.

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