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Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

MEMBER OF EOTA

European Technical Assessment ETA-21/1064 of 2024/07/25

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:	KOMPROMENT cladding kit type: Arena 600U / Atrium U Arena 500 L Arena 500U Arena 600L / Atrium L Vidar Ceramic Vidar Clay Shingles Concrete Cover
Product family to which the above construction product belongs:	Kits for external wall claddings mechanically fixed
Manufacturer:	KOMPROMENT Danish Building Design Porsborgparken 21 DK-9530 Støvring Telephone +45 9652 0710 www.komproment.dk
Manufacturing plant:	KOMPROMENT Porsborgparken 21 DK-9530 Støvring
This European Technical Assessment contains:	74 pages including 17 annexes which form an integral part of the document
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:	EAD 090062-01-0404 – Kits for external wall claddings mechanically fixed
This version replaces:	The ETA with the same number, issued on 2022/01/06

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product

KOMPROMENT cladding kit type:
Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic and Vidar Clay Shingles is a cladding kit for external wall claddings for new and existing buildings. The façade system can be mounted directly onto the existing façade, on wooden frames or using aluminium battens.

Subframe: Vertical and horizontal aluminium subframe, alloy EN AW-6060 T6 in accordance with EN 573-3.

Wooden battens dimension: 38x57 mm or 38x73 mm.

Screws for fixing the horizontal aluminium subframe to the vertical aluminium subframe: 4,8 x 13-20 mm stainless steel A2 self-tapping screws.

Screws for fixing the horizontal wooden subframe to the vertical subframe to be calculated for the purpose of the individual project.

Screws for fixing the cladding element:
On wooden subframe:
4.5 x 50 mm, TX20 drilling-point RSD CSK woodscrews, bonded sealing washer 15 mm, Stainless – A2.

Arena 600U / Atrium U, Arena 500L, Arena 500U, Arena 600L / Atrium L, Vidar Ceramic & Concrete Cover, on aluminium subframe:
4.5 x 35 mm, TX20 drilling-point RSD CSK woodscrews, bonded sealing washer 15 mm, Stainless – A2.

Vidar Clay Shingles, on aluminium subframe:
4.5x28 mm, LH drilling-point, Stainless – A2.

Cladding element:
Arena 600U / Atrium U; 100 % ceramic tiles.
CE marked in accordance with EN 1304.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
600x210x36	130-165	Max c/c 900

Arena 500L, 100 % ceramic tiles.
CE-marked in accordance with EN 1304.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
500x210x17	130-165	Max c/c 900

Arena 500U, 100 % slate tiles:
CE-marked in accordance with EN 1304.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
500x210x35	130-165	Max c/c 900

Arena 600L / Atrium L, 100 % ceramic tiles:
CE-marked in accordance with EN 1304.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
600x210x18	130-165	Max c/c 900

Vidar Ceramic, 100 % ceramic tiles:
CE-marked in accordance with EN 14411.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
600x300x10	Max. 270	Max c/c 600

Vidar Clay Shingles, 100 % ceramic tiles:
CE-marked in accordance with EN 14411.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
240x113x14	Max. 210	Max c/c 900

Concrete Cover, concrete tiles:
CE-marked in accordance with EN 490.

Tile size [mm]	Horizontal subframe distance [mm]	Vertical subframe distance [mm]
420x213x18	Max. 170	Max c/c 900

Dimensions are specified in annex 1.

Always check the base layer before mounting battens and laths. Straightness requirements of the underlying construction, vertical and horizontal, tolerance: +/- 3 mm, measured with a straight edge over 2 m.

The metal fasteners for fixing the horizontal subframe into the substrate is not a part of the kit

The face to which the system is fixed should be flat, vertical and capable of supporting appropriate loads. In a soffit situation the engineer should specify the sub-structure and number of fixings required based on the weight of the system and any other requirements e.g., wind loads, etc.

2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

The construction product Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic; Vidar Clay Shingles and Concrete Cover is intended for use as fastening of external wall claddings, in ventilated facades.

The cladding kits are fixed to external vertical walls made of masonry (clay, concrete, or stone), concrete (cast on site or as prefabricated panels), timber or metal frame in new or existing buildings (retrofit).

The façade kit is assessed as a kit family E in accordance with EAD 090062-01-0404.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of 25 years, when installed in the works.

The indications given as to the working life of the construction product cannot be interpreted as a guarantee neither given by the product manufacturer or his representative nor by the Technical Assessment Body issuing an ETA based on the EAD 090062-01-0404 but are regarded only as a means for expressing the expected economically reasonable working life of the product.

3 Performance of the product and references to the methods used for its assessment.

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR 2)	
Reaction to fire	The metal parts and the clay/natural slate tiles of the KOMPROMENT Cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic, Vidar Clay Shingles and Concrete Cover are classified as **Euroclass A1** in accordance with EN 13501-1 and Delegated Regulation 2016/364
Façade fire performance	**No performance assessed**
Propensity to undergo continuous smoldering	**Not relevant**
3.3 Hygiene, health and the environment (BWR 3)	
Watertightness of joints (protection against driving rain)	**Not watertight**
Water absorption (for non-ventilated facades)	**Not relevant**
Water vapour permeability (for non-ventilated facades)	**Not relevant**
Drainability	**Drainable,** See figures in annex 2
Content, emission and/or release of dangerous substances*	The KOMPROMENT Cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic, Vidar Clay Shingles and its components **does not contain/release dangerous substances** specified in EOTA GD14 Concrete Cover: No performance assessed
3.4 Safety and accessibility in use (BWR 4)	
Wind load resistance	<table><tr><td>Arena 600U / Atrium U</td><td>Arena 500L</td><td>Arena 500U</td></tr><tr><td>**Q: 500 Pa Max. deformation < 1 mm at 6500 m^3/h**</td><td>**On alu subframe: Q: 300 Pa On wooden subframe: Q: 300 Pa Max. deformation 10 mm at 6500 m^3/h**</td><td>**Q: 500 Pa Max. deformation < 4 mm at 6500 m^3/h**</td></tr><tr><td>Arena 600L / Atrium L</td><td>Vidar Ceramic</td><td>Vidar Clay Shingles</td></tr><tr><td>**Q: 500 Pa Max. deformation < 5 mm at 6500 m^3/h**</td><td>**Q: 250 Pa Max. deformation 10 mm at 6500 m^3/h**</td><td>**Q: 500 Pa Max. deformation < 3 mm at 6500 m^3/h**</td></tr><tr><td>Concrete Cover</td><td colspan="2"></td></tr><tr><td>**Q: 500 Pa Max. deformation 4 mm at 6500 m^3/h**</td><td colspan="2"></td></tr></table> **No failure occurred. The joints in the tiles did not allow for obtaining higher pressure. The characteristic wind resistance of the kit is governed by the resistance of pull-through resistance – see below**
Resistance to horizontal point loads	<table><tr><td>Arena 600U / Atrium U</td><td>Arena 500L</td><td>Arena 500U</td></tr><tr><td>**Passed**</td><td>**Passed**</td><td>**Passed**</td></tr><tr><td>Arena 600L / Atrium L</td><td>Vidar Ceramic</td><td>Vidar Clay Shingles</td></tr><tr><td>**Passed**</td><td>**Passed**</td><td>**Passed**</td></tr><tr><td>Concrete Cover</td><td colspan="2"></td></tr><tr><td>**Passed**</td><td colspan="2"></td></tr></table>

Characteristic	Assessment of characteristic
Impact resistance	**No performance assessed**
Bending strength	**No performance assessed**
Resistance to long term or permanent dead load	**No performance assessed**
Resistance of grooved cladding element	**Not relevant**
Resistance at dowel hole	**Not relevant**
Pull-through resistance	

Arena 600U / Atrium U	Arena 500L	Arena 500U
F_c = 1503 N	**F_c = 1114 N**	**F_c = 812 N**
Arena 600L / Atrium L	Vidar Ceramic	Vidar Clay Shingles
F_c = 1194 N	**F_c = 814 N**	**F_c = 893 N**
Concrete Cover		
F_c = 937 N		

Characteristic pull-through resistance:
Arena 600U / Atrium U:
8,7 kN with 11,65 cladding elements/m²
Arena 500L:
6,7 kN with 12,12 cladding elements/m²
Arena 500U:
4,9 kN with 12,12 cladding elements/m²
Arena 600L / Atrium L:
6,9 kN with 11,65 cladding elements/m²
Vidar Ceramic:
2,5 kN with 6,17 cladding elements/m²
Vidar Clay Shingles:
18,7 kN with 42 cladding elements/m²
Concrete Cover:
6,5 kN with 14 cladding elements/m²

Pull-through resistance under shear loads

Arena 600U / Atrium U	Arena 500L	Arena 500U
F_c = 1503 N	**F_c = 2517 N**	**F_c = 1622 N**
Arena 600L / Atrium L	Vidar Ceramic	Vidar Clay Shingles
F_c = 2548 N	**F_c = 2125 N**	**F_c = 962 N**
Concrete Cover		
F_c = 1537 N		

Axial tension resistance	**Not relevant**
Shear load resistance	**Not relevant**
Resistance of slot	**Not relevant**
Resistance to vertical load	**Not relevant**
Pull-through resistance of fixings from profile	**Not relevant**
Resistance of punctual cladding fixings	**Not relevant**
Combined tension and shear load resistance	**Not relevant**
Resistance of profiles	**No performance assessed**
Subframe fixings, tension/pull-out resistance	The resistance of the screw fixing is the determining factor and therefore the tension/pull out resistance equals the resistance of the screw fixings.
Subframe fixings, shear load resistance	**No performance assessed**
Brackets resistance	**No performance assessed**
Resistance to seismic loads.	**No performance assessed**
Out-of -plane acceleration	

Characteristic	Assessment of characteristic
Resistance to seismic loads. In-plane displacement	**No performance assessed**
3.5 Protection against noise (BWR 5)	
Airborne sound insulation	**No performance assessed**
3.6 Energy economy and heat retention (BWR 6)	
Thermal insulation	**No performance assessed**
3.7 Durability	
Hygrothermal behavior	**Not relevant**. The cladding element is not known to be or suspected of being sensitive to hygrothermal variation
Behavior after pulsating load	**Passed**
Freeze-thaw resistance	<table><tr><td>Arena 600U / Atrium U</td><td>Arena 500L</td><td>Arena 500U</td></tr><tr><td>No performance assessed</td><td>No changes</td><td>No changes</td></tr><tr><td>Arena 600L / Atrium L</td><td>Vidar Ceramic</td><td>Vidar Clay Shingles</td></tr><tr><td>No changes</td><td>No changes</td><td>No changes</td></tr></table>
Behavior after immersion in water	**Not relevant.** The cladding element is not known to be or suspected of being sensitive to water
Dimensional stability – by humidity	**Not relevant.** The cladding element is not known to be or suspected of being sensitive to humidity
Linear thermal expansion	**Not relevant.** The cladding element is not known to be or suspected of being sensitive to temperature
Chemical and biological resistance	**Not relevant.** The cladding kit is made from inorganic materials
UV radiation resistance	**Not relevant.** The cladding kit does not contain polyester or other plastics
Corrosion	The **durability rating** of alloy AW 6060 & AW 5754 in accordance with EN 1999-1-1 is **B** Normally additional corrosion protection is not needed for atmospheric exposure in rural, industrial/urban and marine conditions according to table D.1 of EN 1999-1-1
Accelerated ageing behavior of kit when the cladding element is made of thin metallic composite panels (TMCS/TMCP)	**Not relevant**

See additional information in section 3.8 – 3.9.

*In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g., transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

3.8 Methods of verification

The product is fully covered by EAD 090062-01-0404. According to the Regulation (EU) No 305/2011.

3.9 General aspects related to the fitness for use of the product

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The KOMPROMENT cladding kits are manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base.

4.1 AVCP system

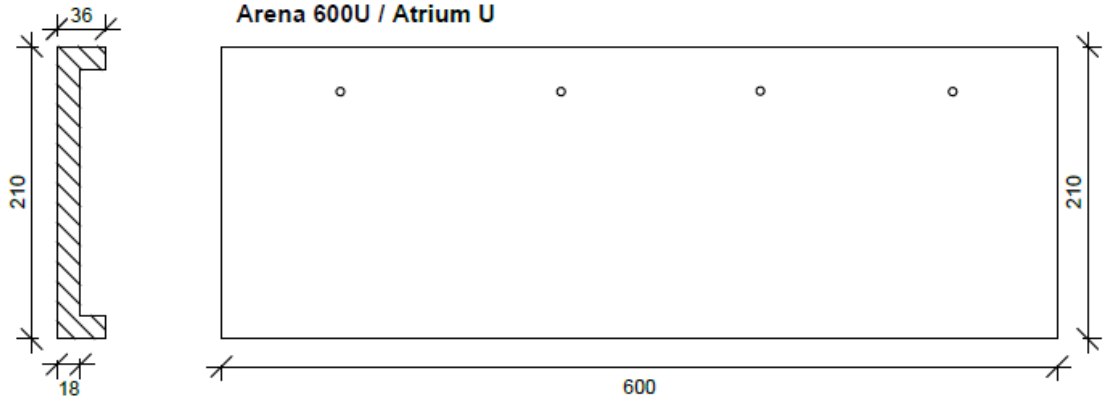
According to the decision 2003/640/EC of the European Commission, as amended by 2001/596/EC, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 2+.

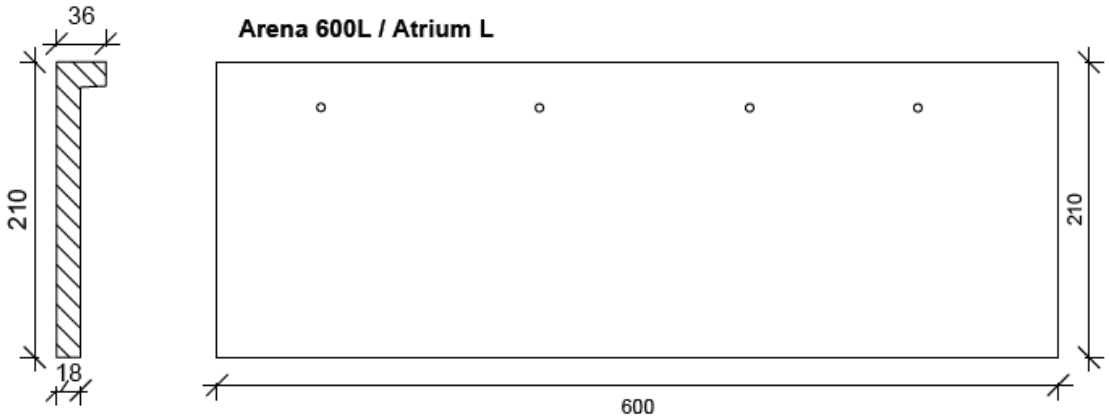
5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD.

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark.

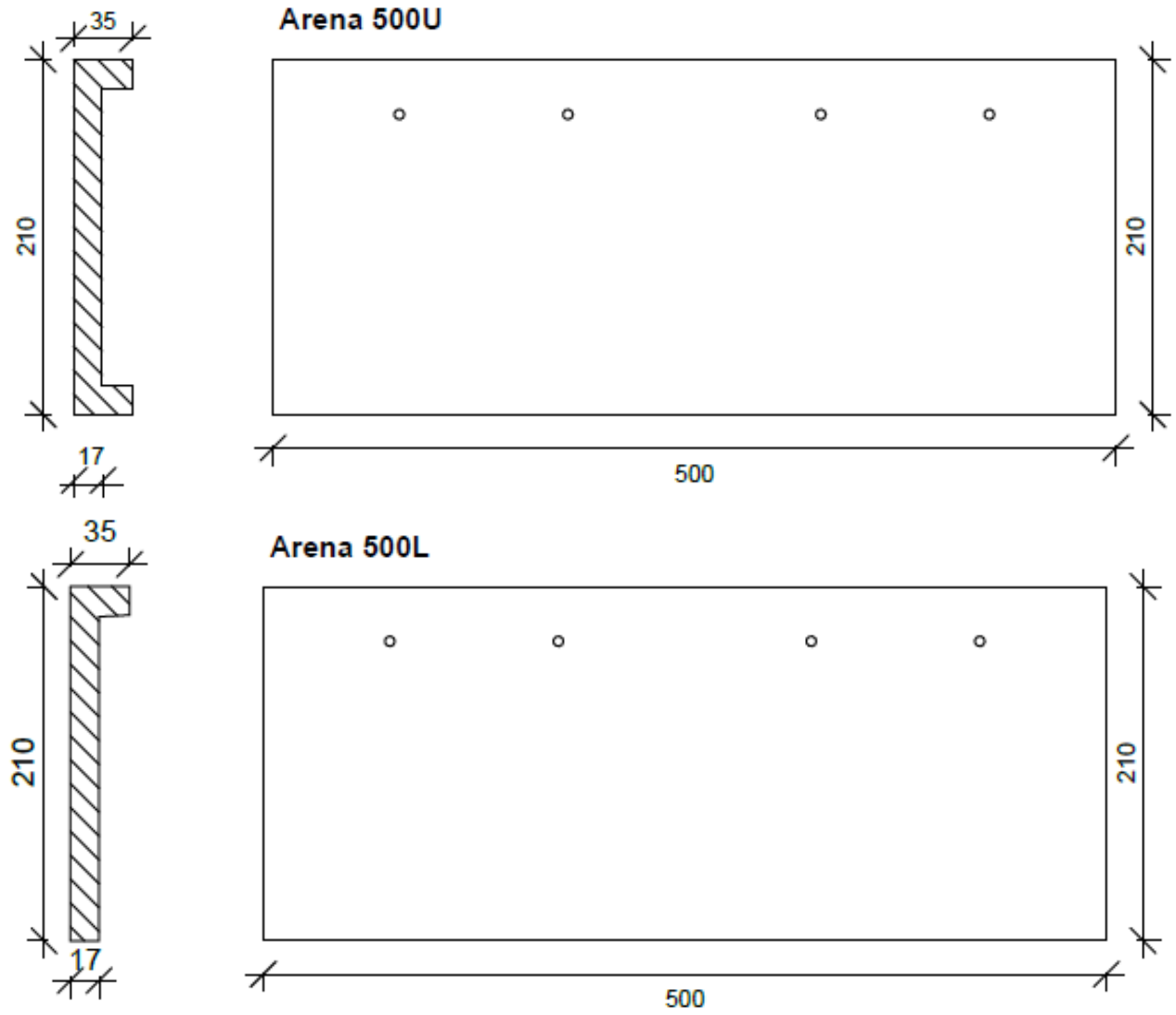
Issued in Copenhagen on 2024-07-25 by

Thomas Bruun
Managing Director, ETA-Danmark



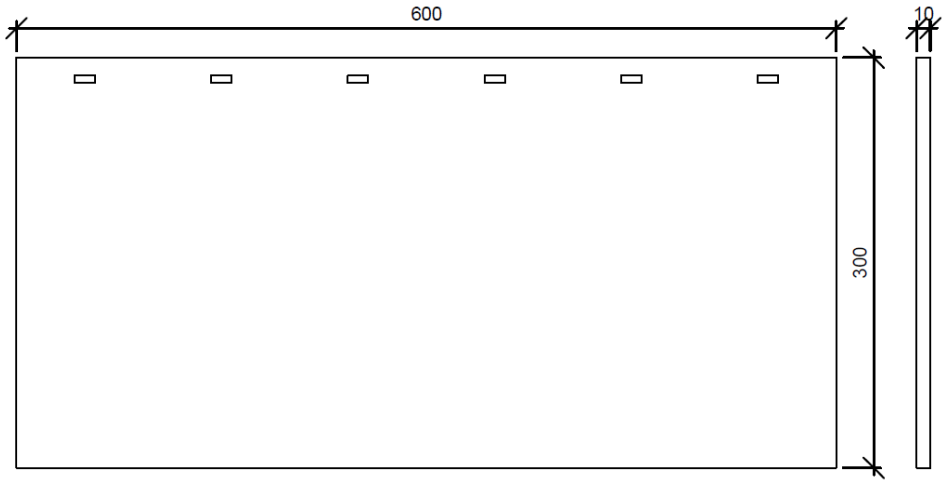


KOMPROMENT cladding kit type Arena 600U/L & Atrium U/ L	Annex 1
Cladding elements	

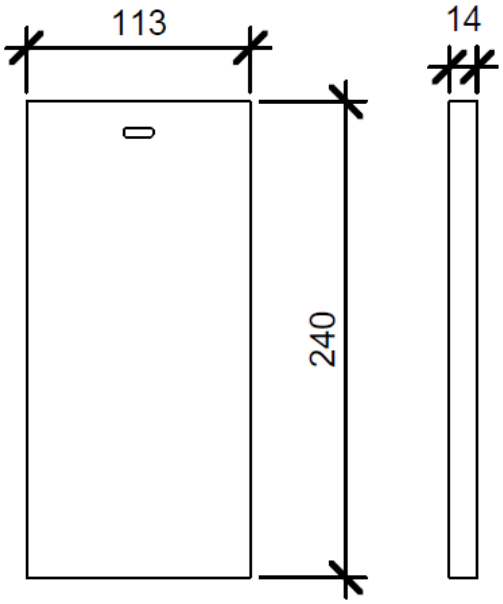


KOMPROMENT cladding kit type Arena 500U & Arena 500L	Annex 1
Cladding elements	

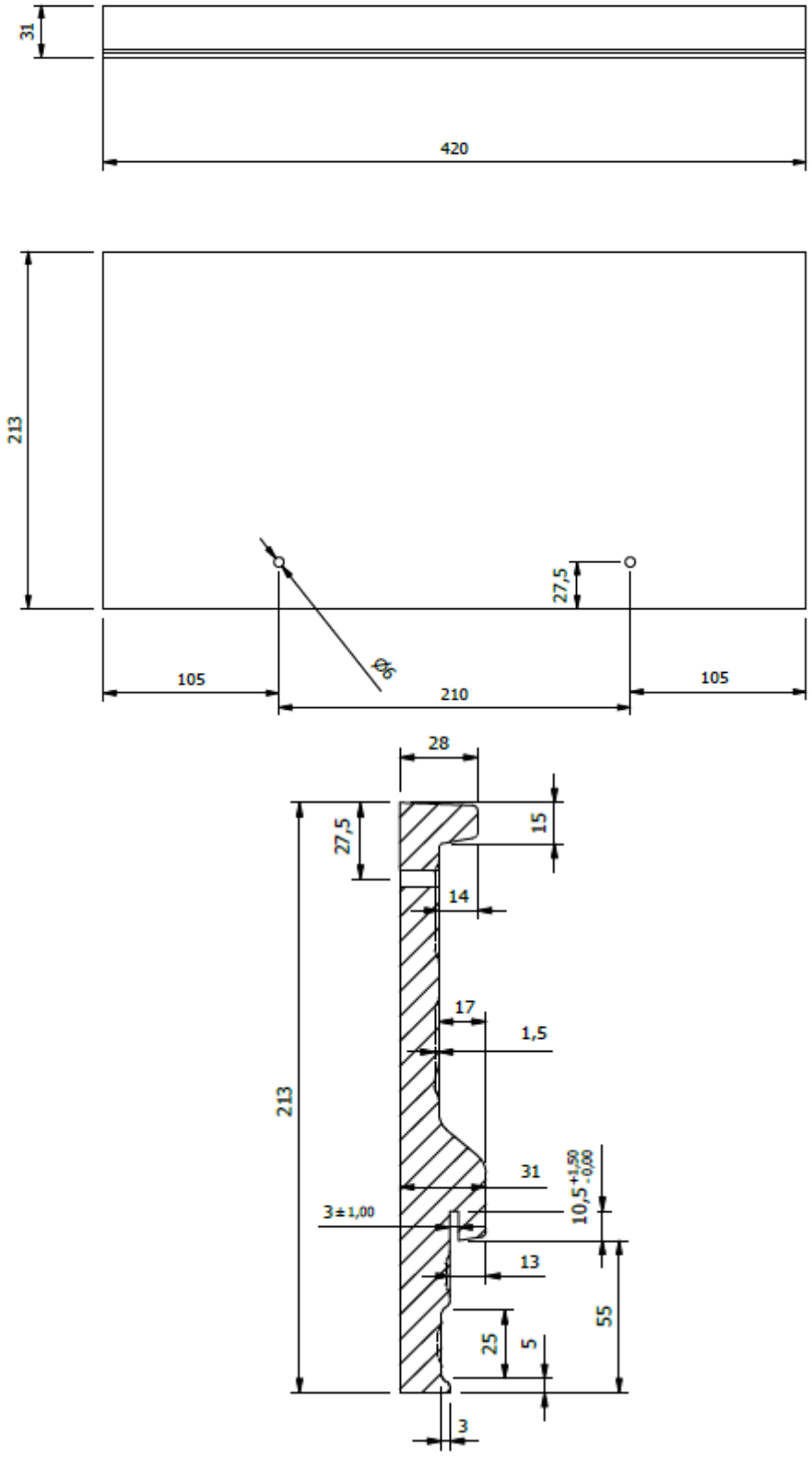
Vidar Ceramic



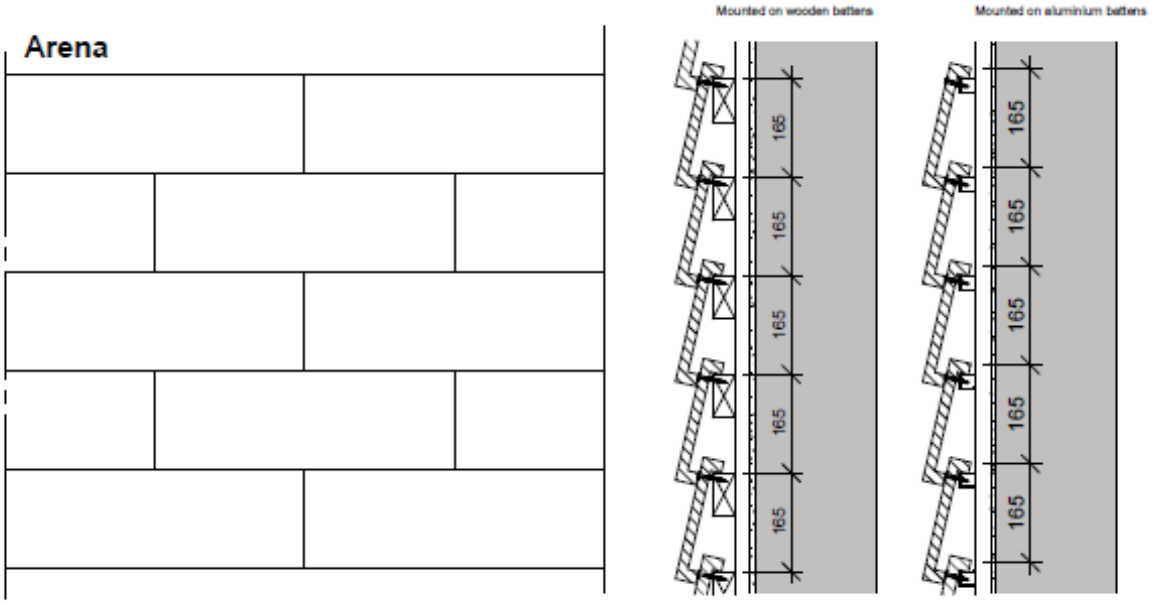
Vidar Clay Shingles



KOMPROMENT cladding kit type Vidar Ceramic & Vidar Clay Shingles	Annex 1
Cladding elements	



KOMPROMENT cladding kit type Concrete Cover	Annex 1
Cladding elements	



Front View
1 : 10

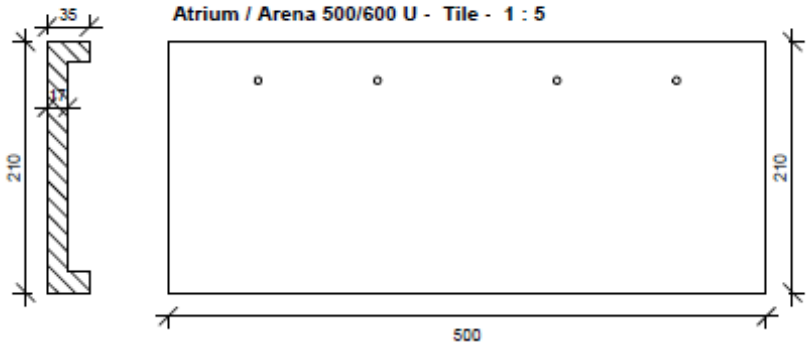
Vertical view
1 : 10

Atrium / Arena U - tiles is a rough ceramic product and has the small distinctive features that characterise this natural product. There will be variation in the surface and size of each tile.

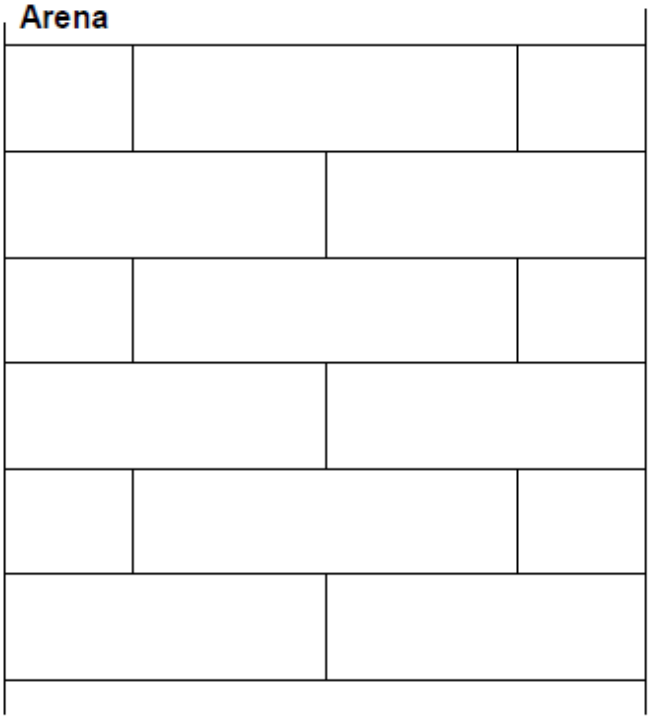
The following points must be observed to achieve optimal results:

- Tiles MUST be mixed from multiple pallets to achieve the desired color variation (Min 4-6 pallets).
- Atrium / Arena U - is a ceramic product and breakage on corners and edges will appear as a natural part of the tiles.
- Recommended bond: Wild bond.
- Recommended minimum tile width for adjustments = 100 mm
- Max batten distance: 165 mm (standard)
- Minimum batten distance: 130 mm

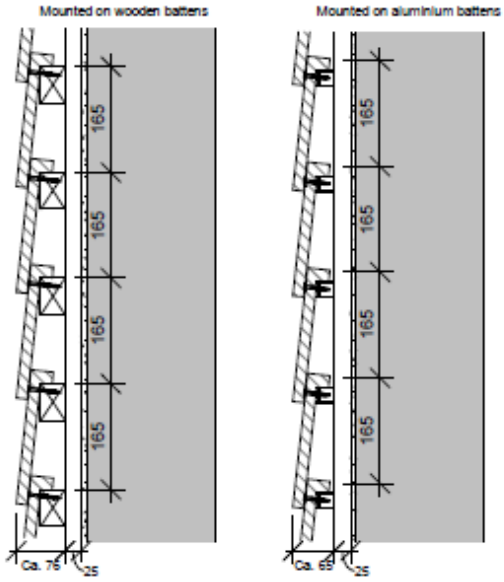
Gluing of tiles:
In situations where the use of Kompроment façade adhesive is required, it is important to always glue tile to tile.



KOMPROMENT cladding kit type Arena 500/600 U; Atrium U	Annex 2
Drainability	



Front View 1:10



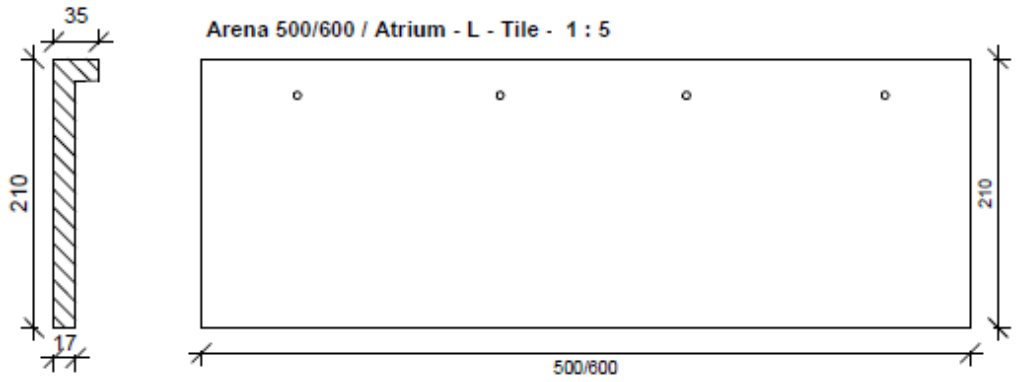
Vertical view 1:10

Atrium / Arena L tiles is a rough ceramic product and has the small distinctive features that characterise this natural product. There will be variation in the surface and size of each tile.

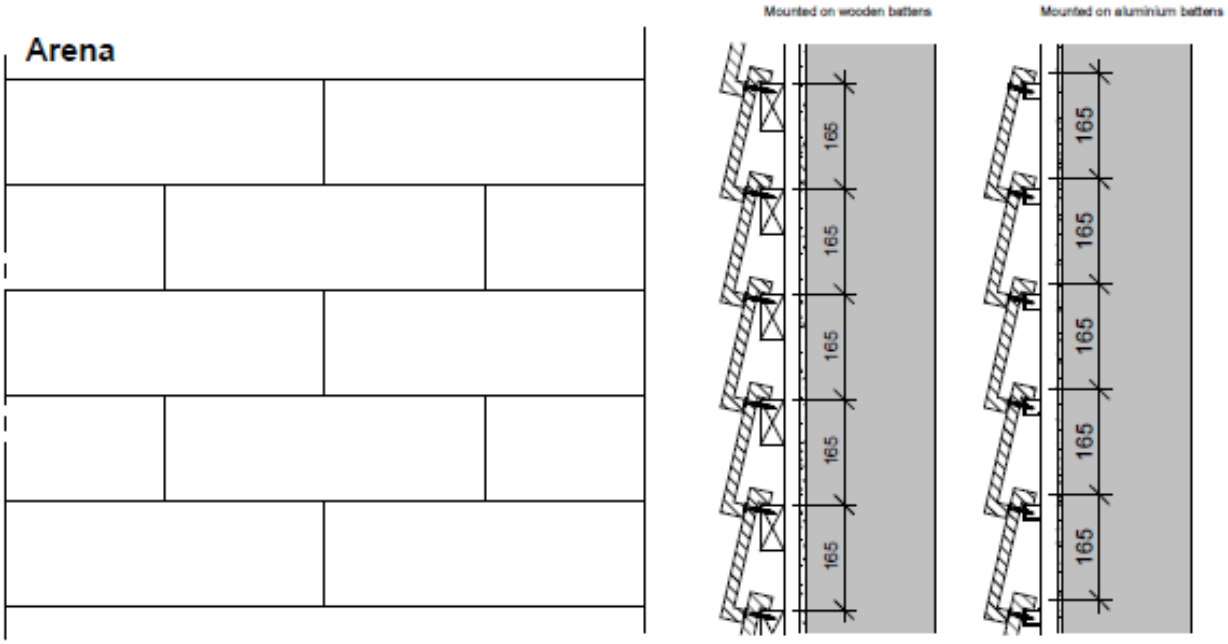
The following points must be observed to achieve optimal results:

- Tiles MUST be mixed from multiple pallets to achieve the desired color variation (Min 4-6 pallets).
- Atrium / Arena L is a ceramic product and breakage on corners and edges will appear as a natural part of the tiles.
- Recommended bond: Wild bond.
- Recommended minimum tile width for adjustments = 100 mm
- Max batten distance: 165 mm (standard)
- Minimum batten distance: 130 mm

Gluing of tiles:
In situations where the use of Kompro ment façade adhesive is required, it is important to always glue tile to tile



KOMPROMENT cladding kit type Arena 500/600L; Atrium L	Annex 2
Drainability	



Front View
1 : 10

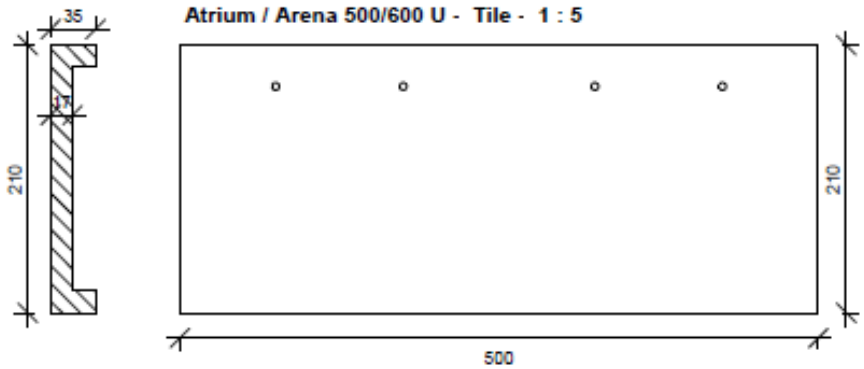
Vertical view
1 : 10

Atrium / Arena U - tiles is a rough ceramic product and has the small distinctive features that characterise this natural product. There will be variation in the surface and size of each tile.

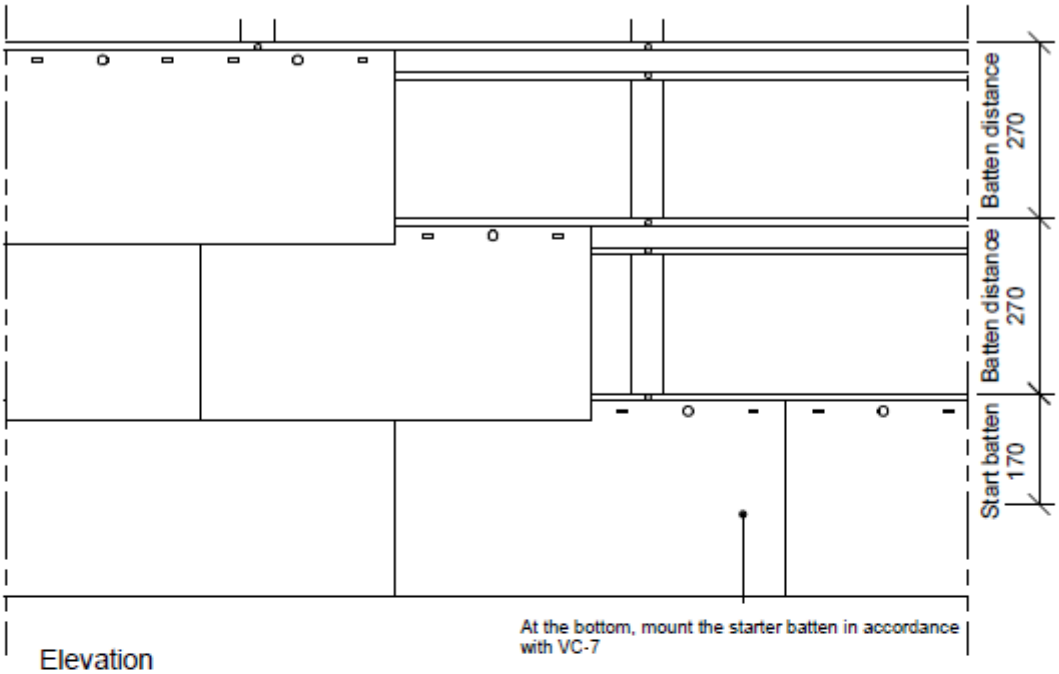
The following points must be observed to achieve optimal results:

- Tiles MUST be mixed from multiple pallets to achieve the desired color variation (Min 4-6 pallets).
- Atrium / Arena U - is a ceramic product and breakage on corners and edges will appear as a natural part of the tiles.
- Recommended bond: Wild bond.
- Recommended minimum tile width for adjustments = 100 mm
- Max batten distance: 165 mm (standard)
- Minimum batten distance: 130 mm

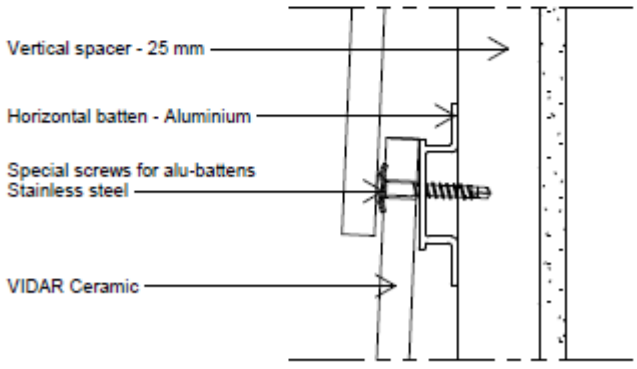
Gluing of tiles:
In situations where the use of Kompроment façade adhesive is required, it is important to always glue tile to tile.



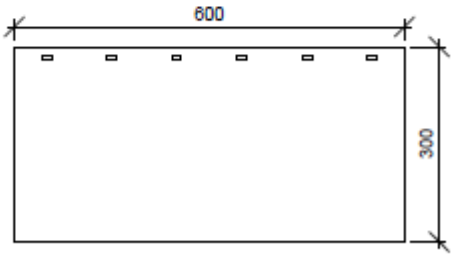
KOMPROMENT cladding kit type Arena 500U	Annex 2
Drainability	



Elevation
1 : 10

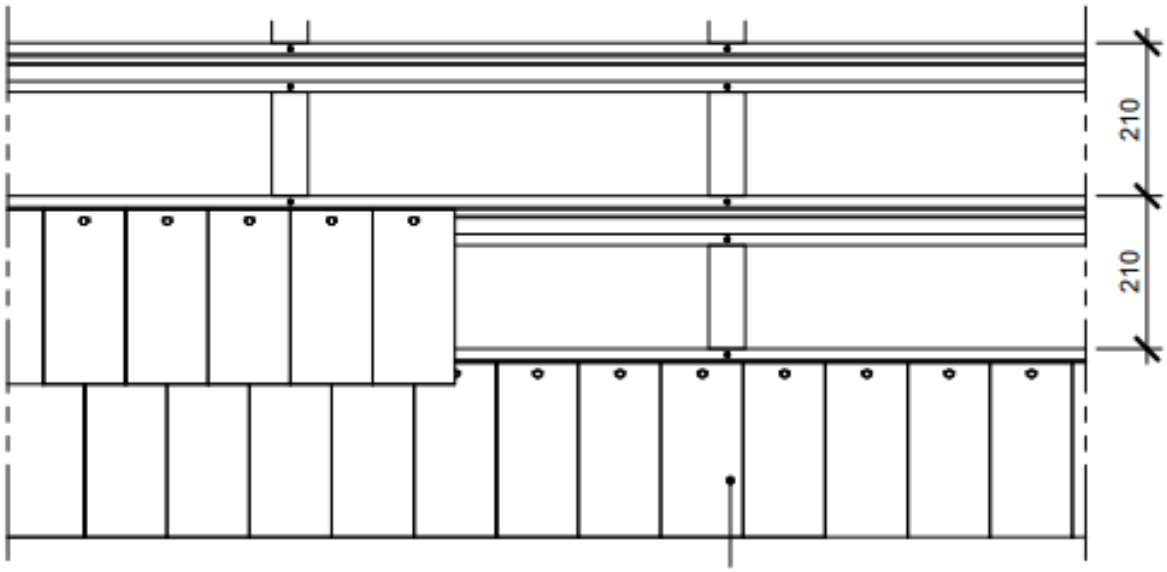


Vertical view
1 : 2



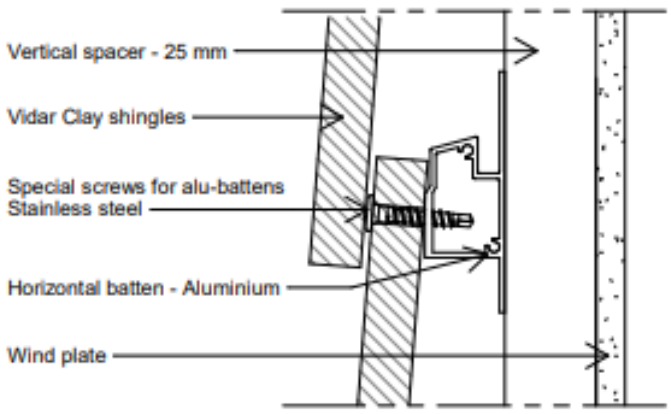
Vidar Ceramic
1 : 10

KOMPROMENT cladding kit type Vidar Ceramic	Annex 2
Drainability	

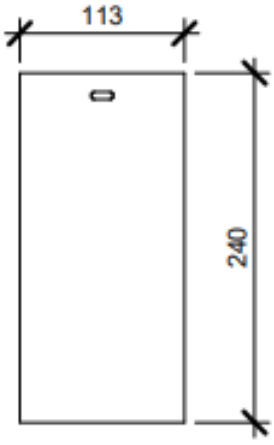


Elevation
1 : 10

At the bottom, mount the starter batten in accordance with T-7 to offset tile thickness

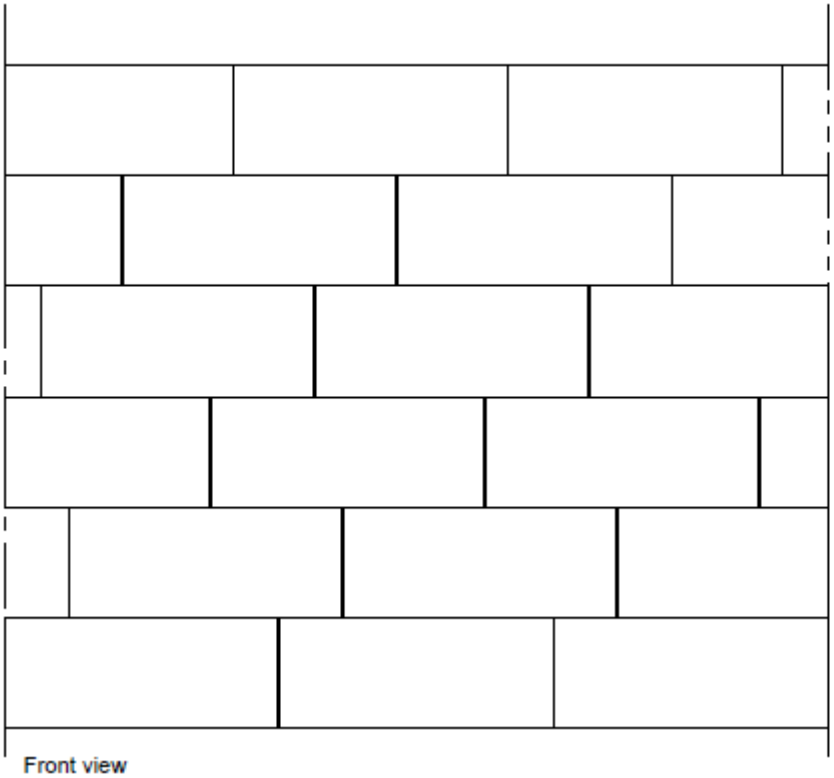


Vertical view
1 : 2

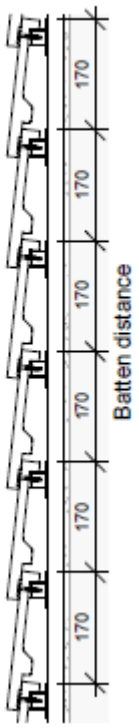


Clay Shingle
1 : 5

KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 2
Drainability	



Front view
1 : 10

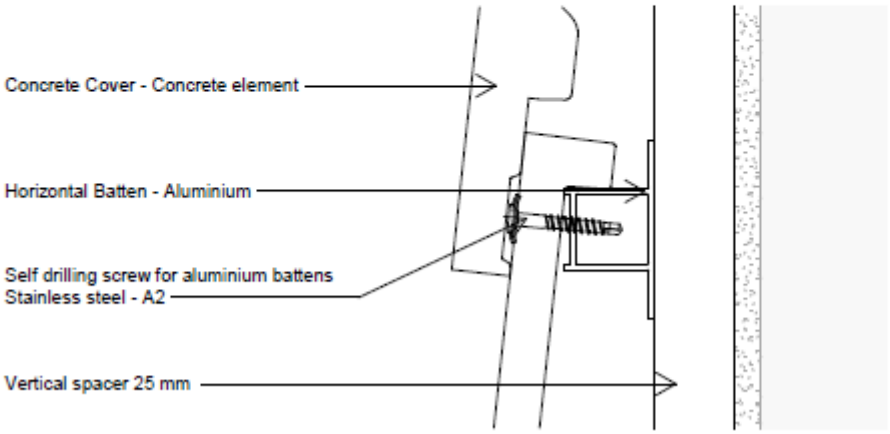


Vertical view
1 : 10

The following points must be observed to achieve optimal results:

- Concrete Cover must be mixed from multiple pallets to achieve the desired play of colours (min. 4–6 pallets).
- Small breakage on corners and edges will appear as a natural part of the concrete elements.
- Recommended bond: Wild bond.
- Recommended minimum tile width for adjustments = 100 mm
- Batten distance: 170 mm

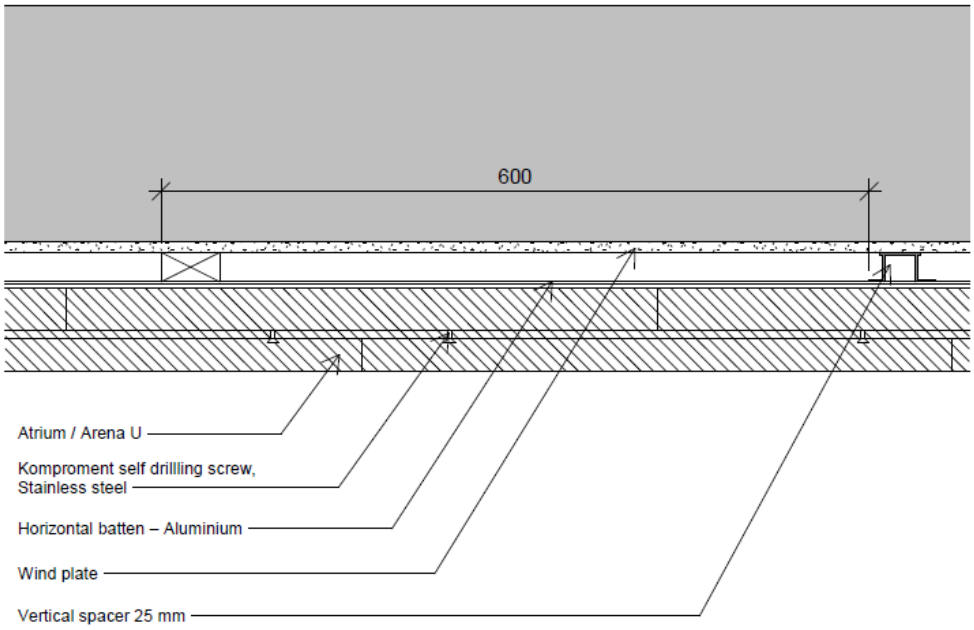
Gluing of Concrete Cover elements:
In situations where the use of Kompro ment façade adhesive is required, it is important to always glue Concrete element to Concrete element.

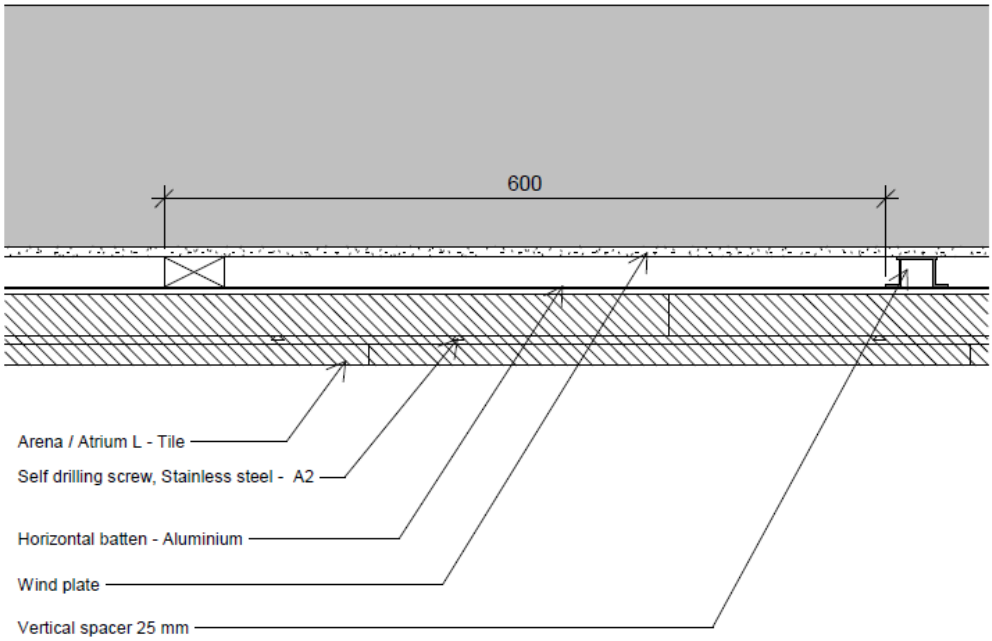


Vertical view
1 : 2

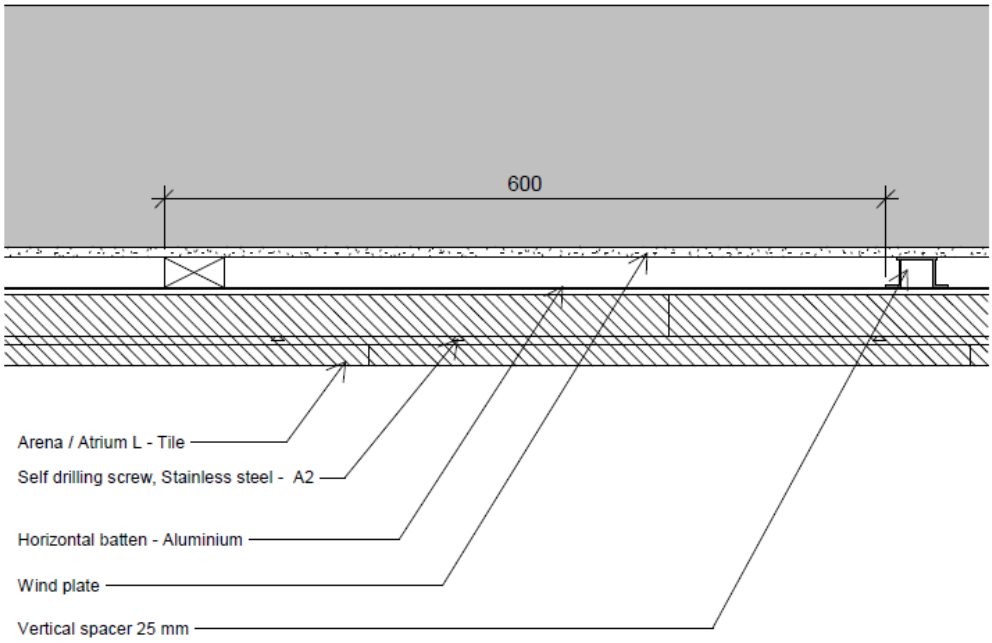
KOMPROMENT cladding kit type Concrete Cover	Annex 2
Drainability	

Horizontal view

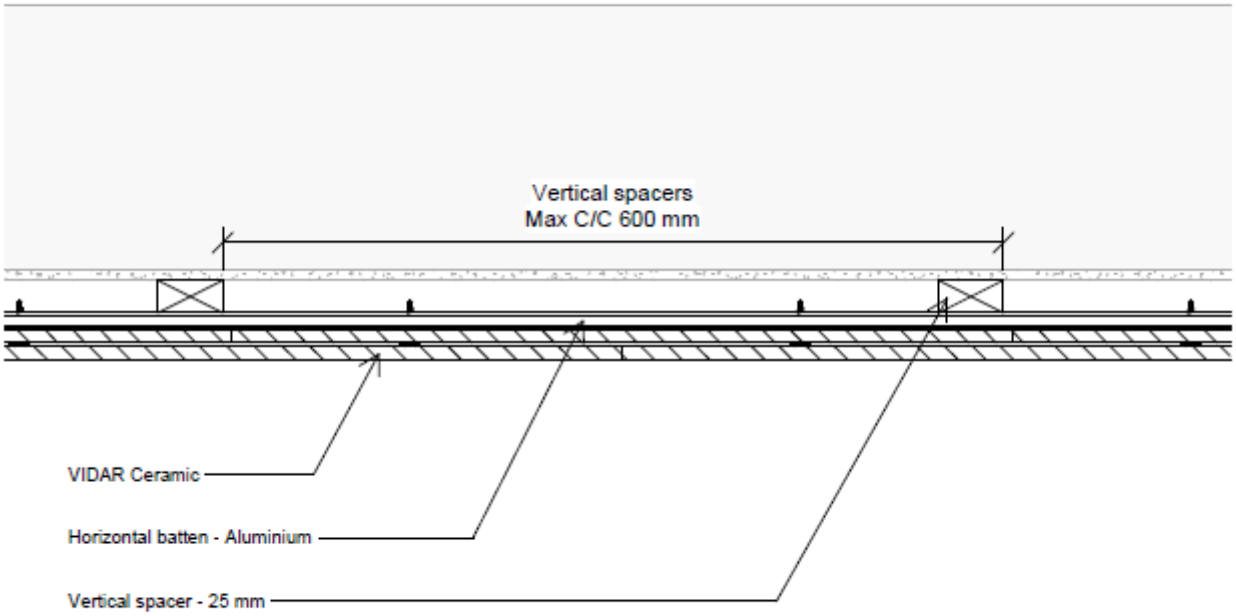


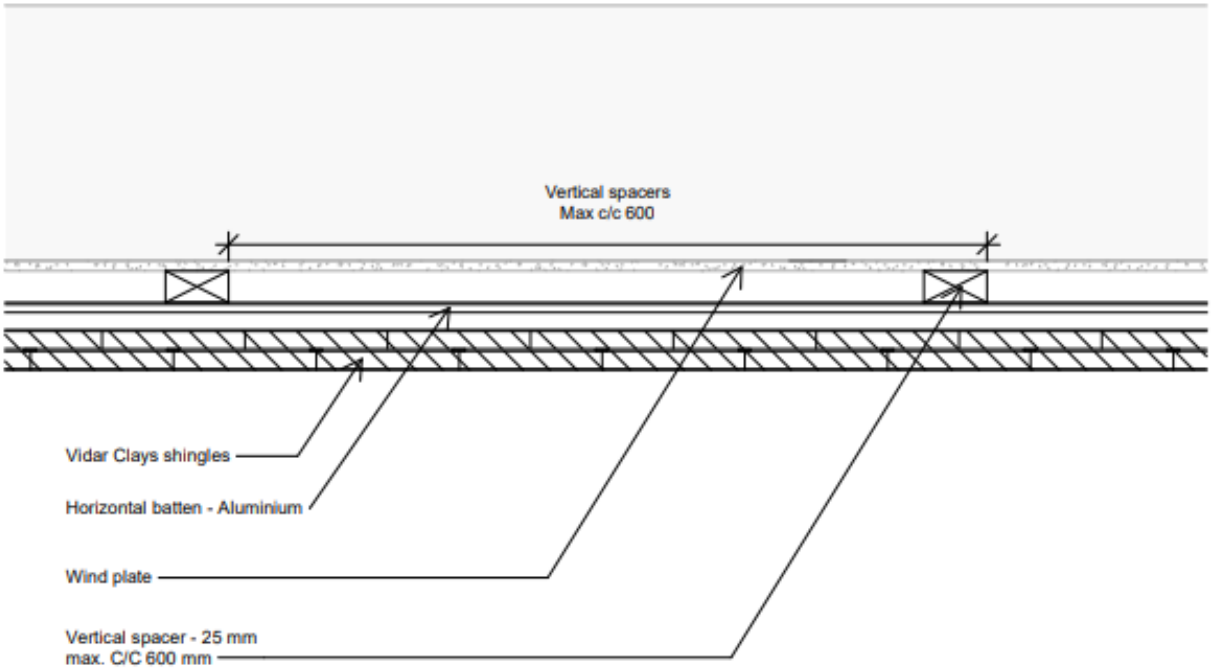


KOMPROMENT cladding kit type Arena 500-600U / Atrium U	
Installation examples Horizontal view	Annex 3

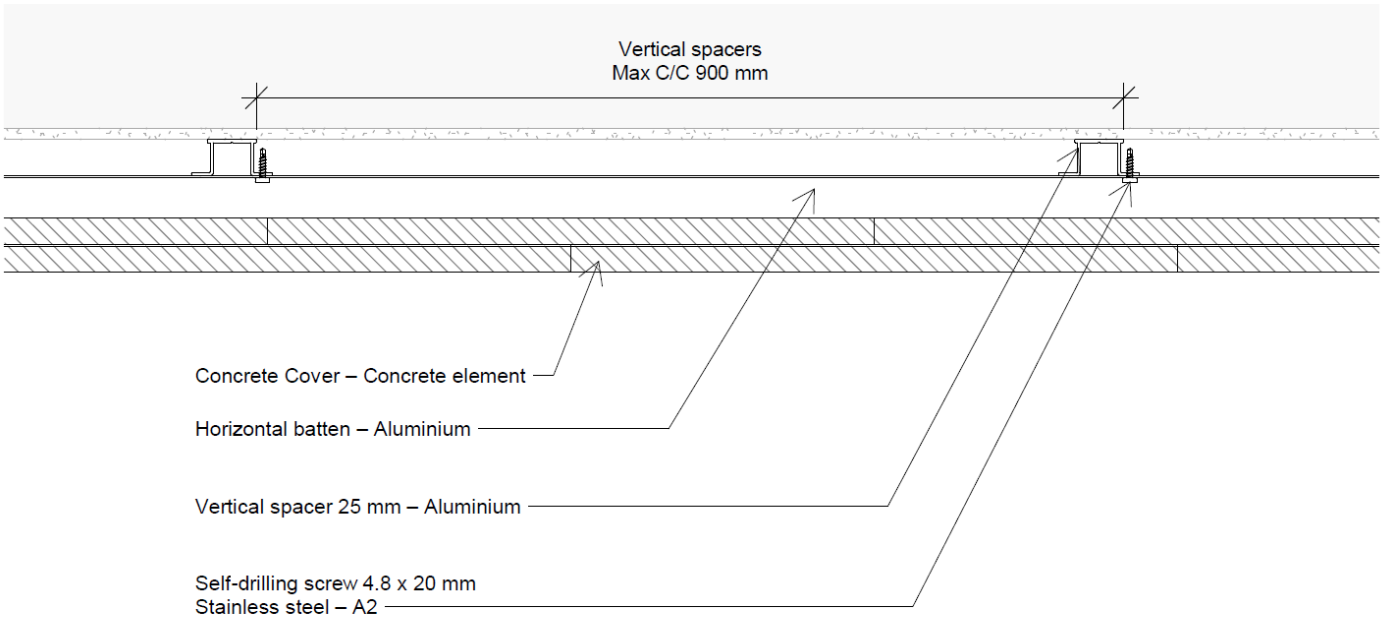


KOMPROMENT cladding kit type Arena 500L & Arena 600L / Atrium L	Annex 3
Installation examples Horizontal view	

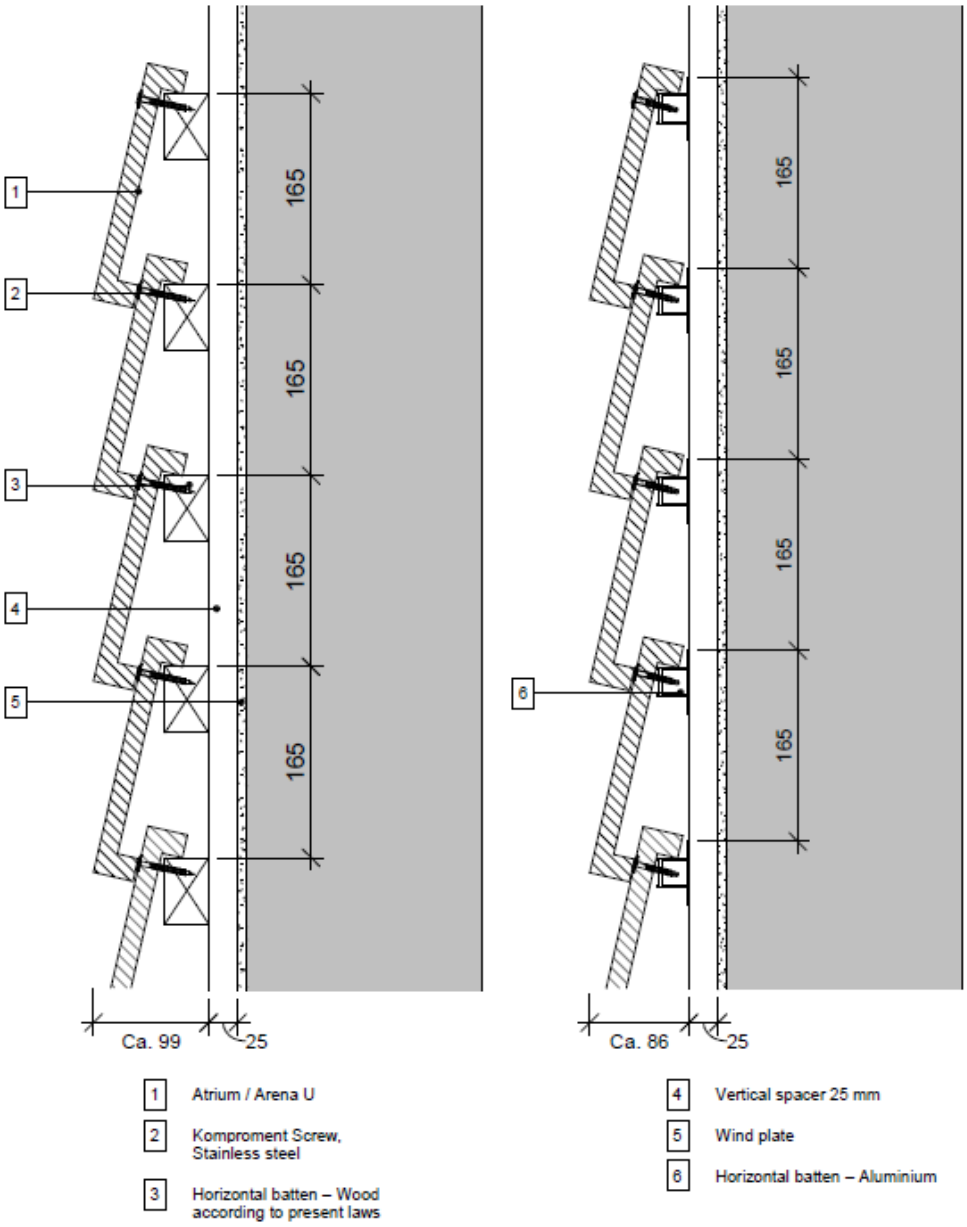




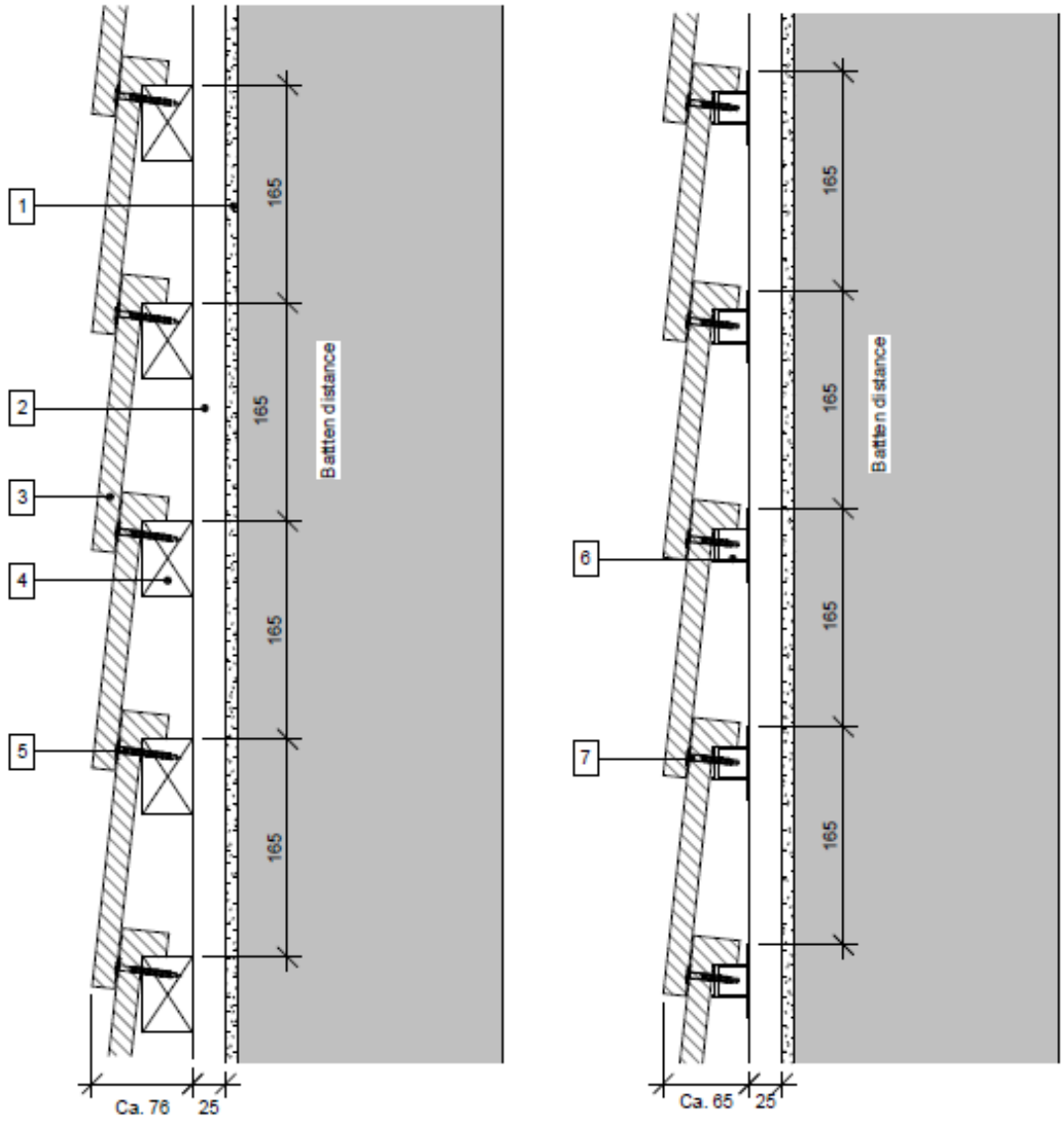
KOMPROMENT cladding kit type Vidar Ceramic & Vidar Clay Shingles	Annex 3
Installation examples Horizontal view	



KOMPROMENT cladding kit type Concrete Cover	Annex 3
Installation examples Horizontal view	

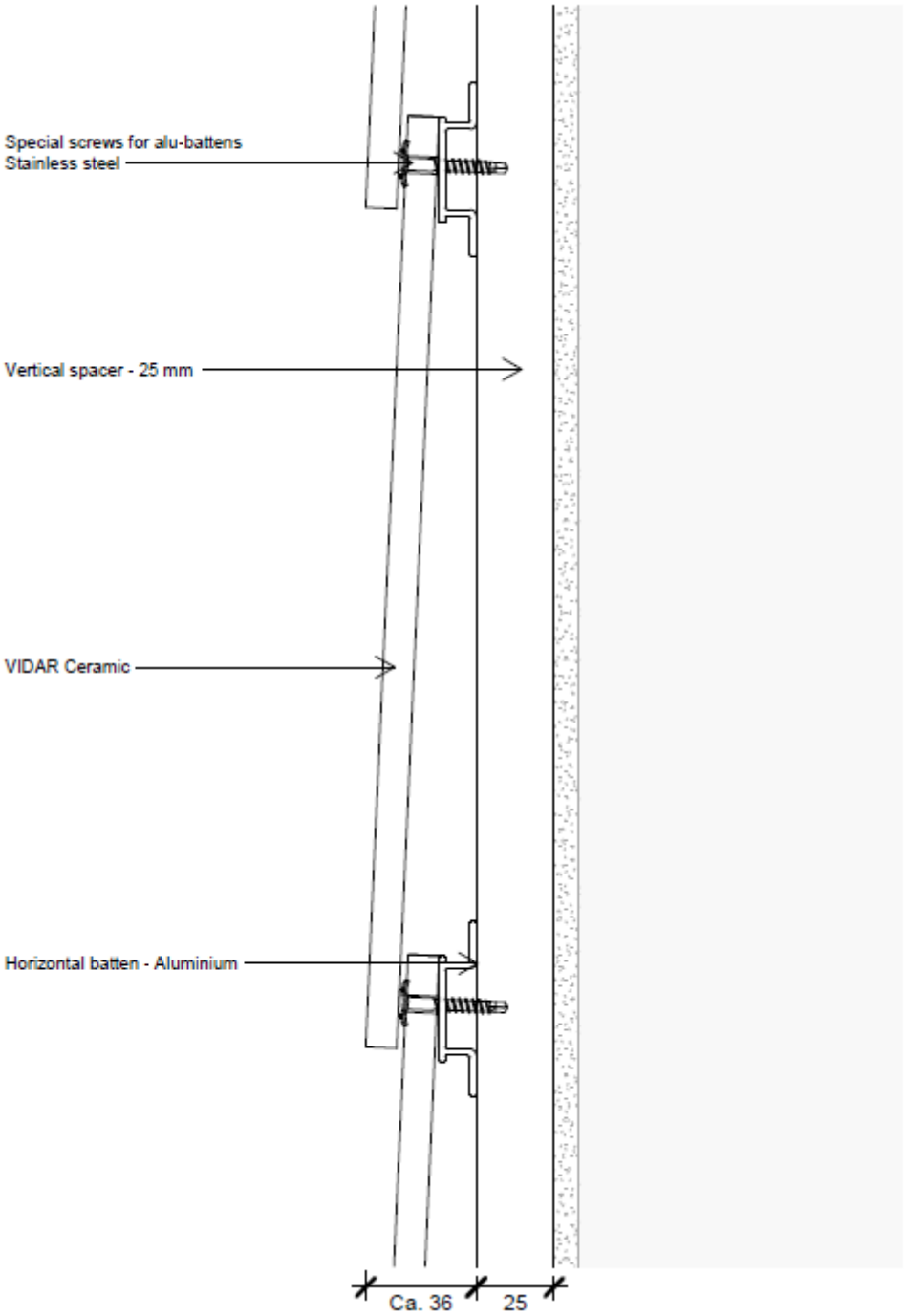


KOMPROMENT cladding kit type Arena 500-600U / Atrium U	Annex 4
Installation examples Vertical view – Aluminium and wood battens	

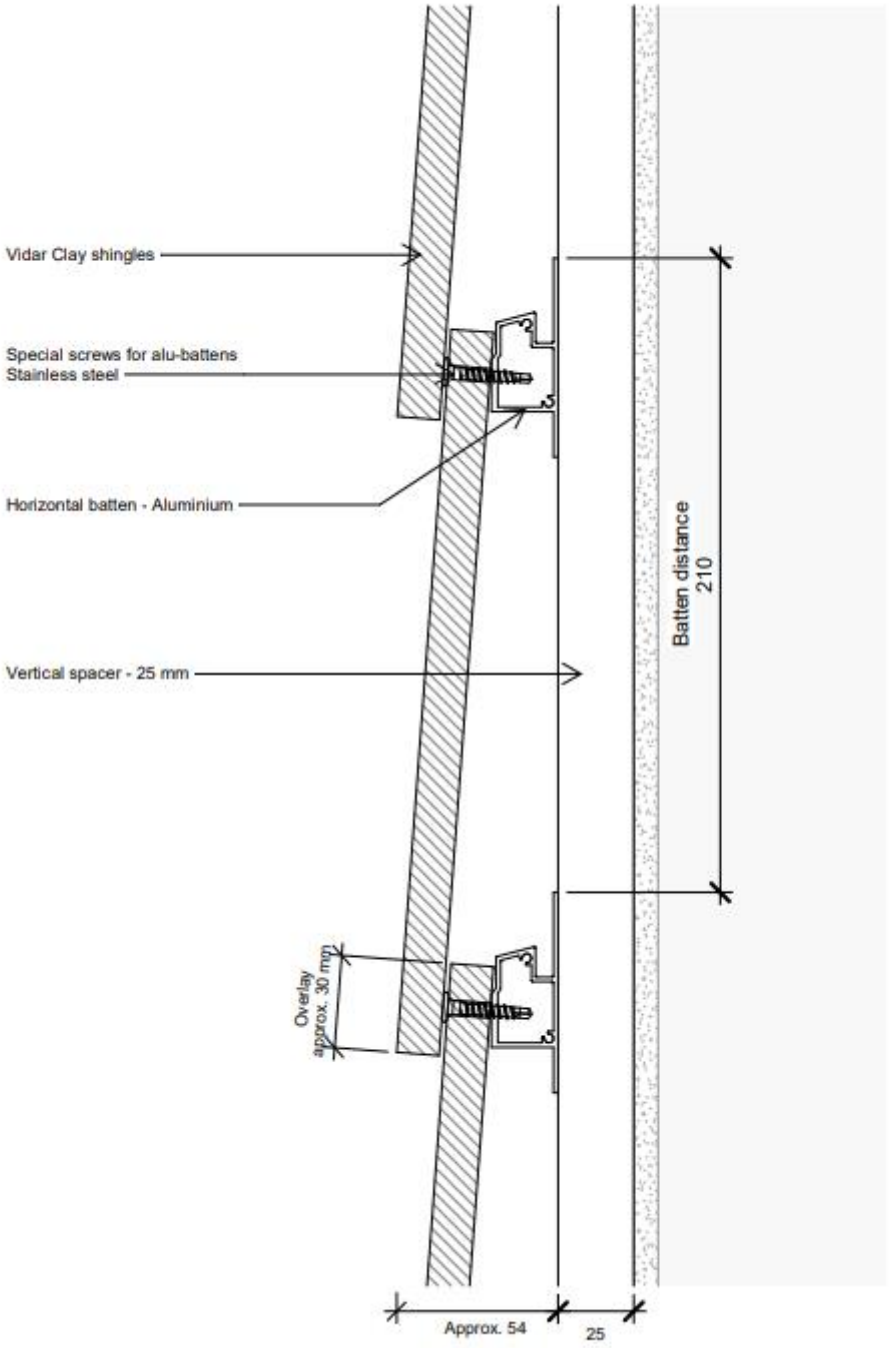


1 Wind plate
2 Vertical spacer 25 mm
3 Arena / Atrium L - Tile
4 Horizontal batten - Wood according to present laws
5 Screw stainless steel - A2
6 Horizontal batten - Aluminium
7 Self drilling screw, stainless steel - A2

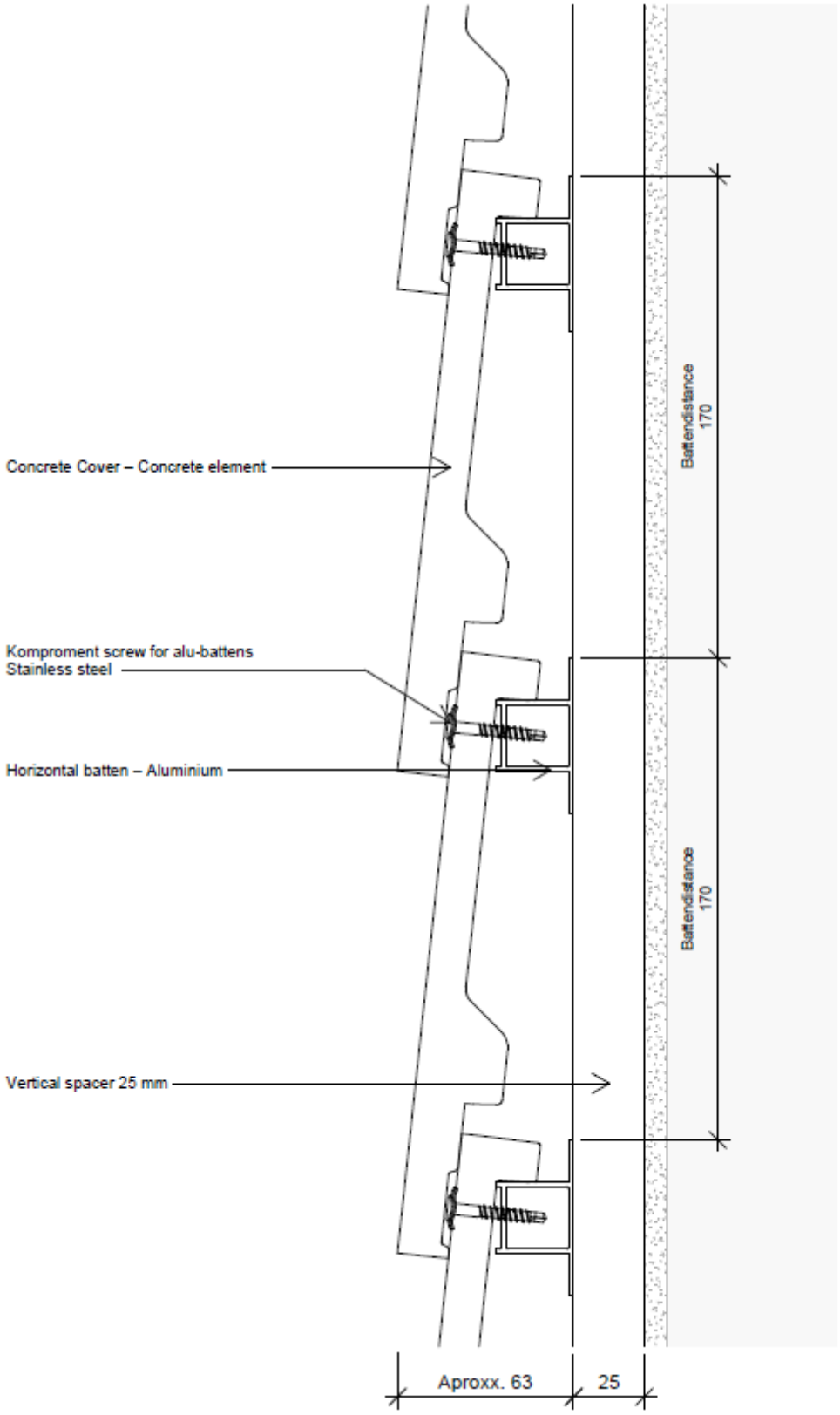
KOMPROMENT cladding kit type Arena 500-600L & Atrium L	Annex 4
Installation examples Vertical view – Aluminium and wood battens	



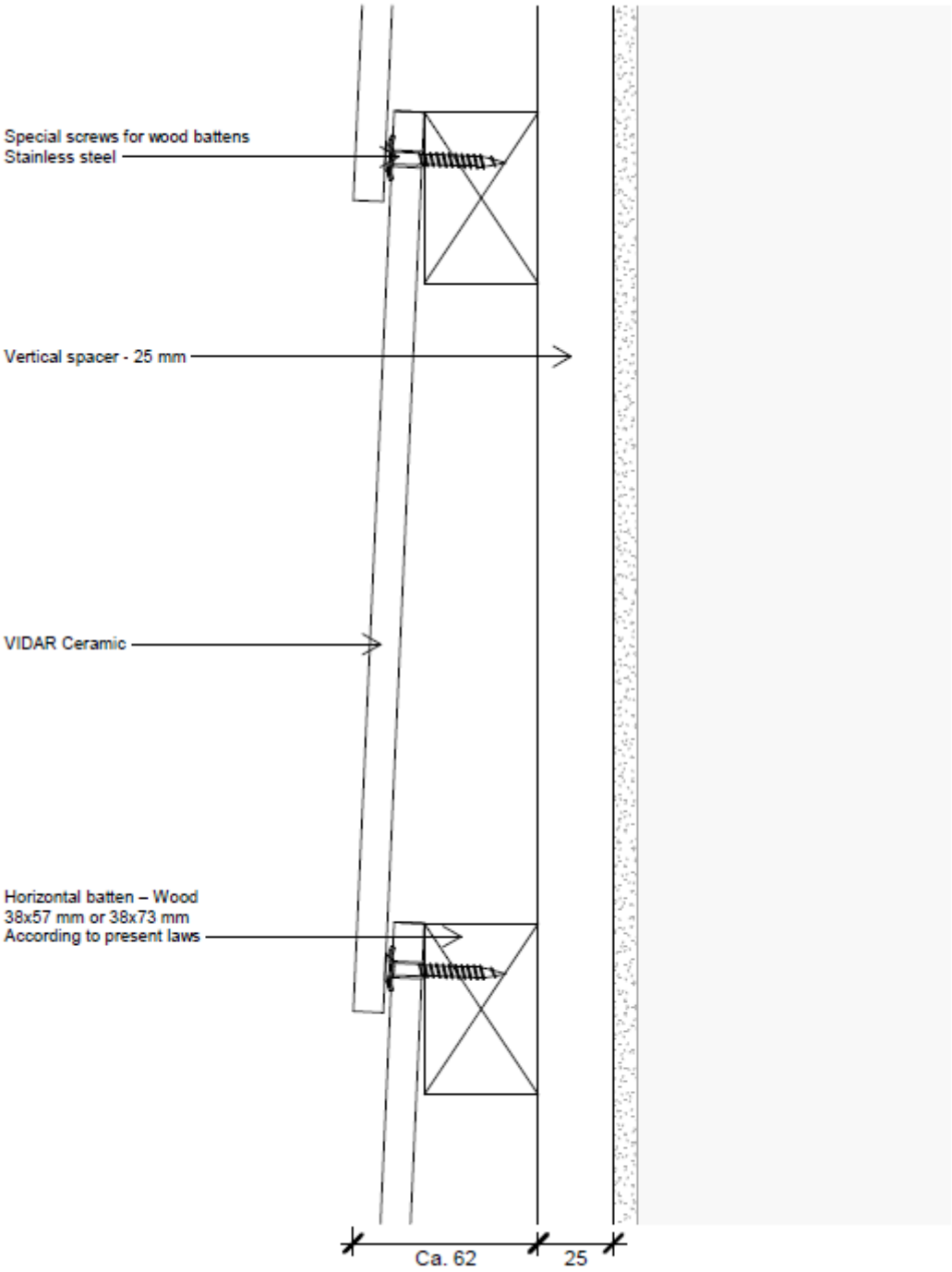
KOMPROMENT cladding kit type Vidar Ceramic	
Installation examples Vertical view – Aluminium battens	Annex 4



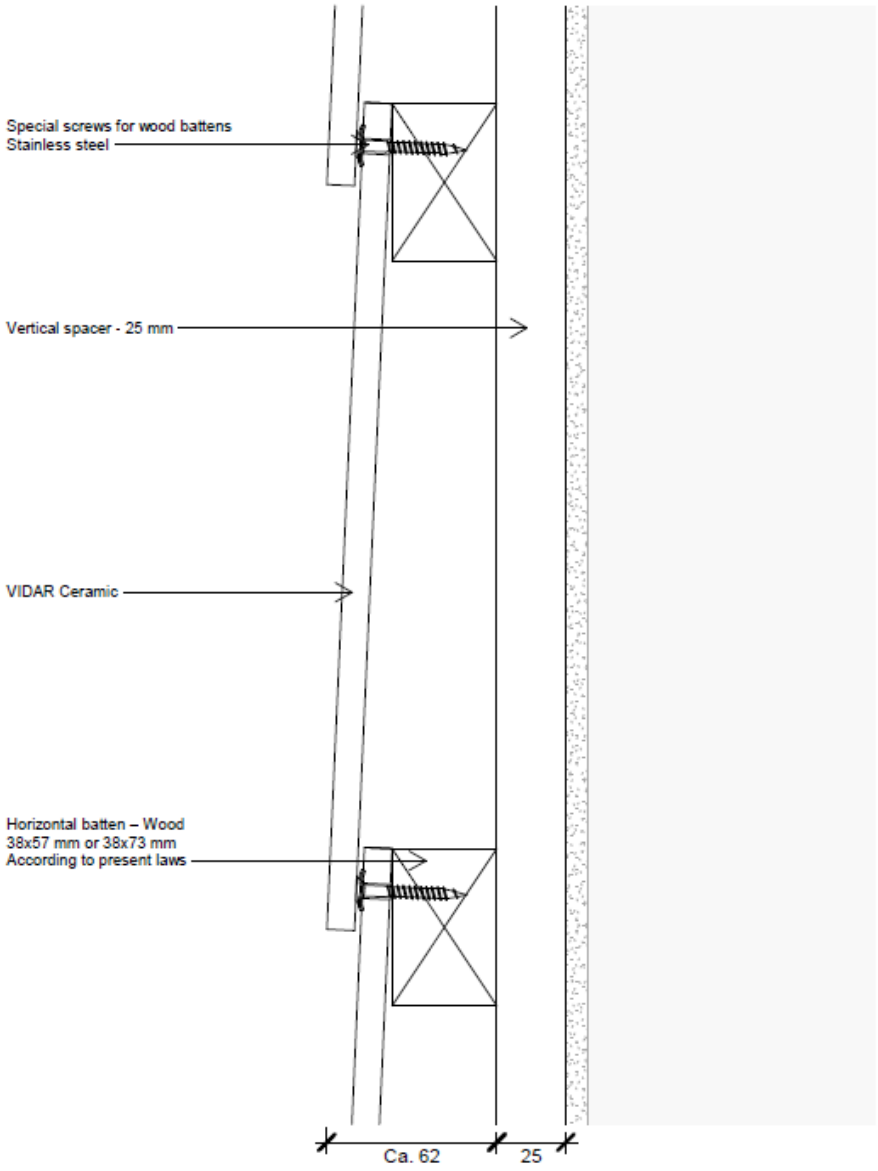
KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 4
Installation examples Vertical view – Aluminium battens	



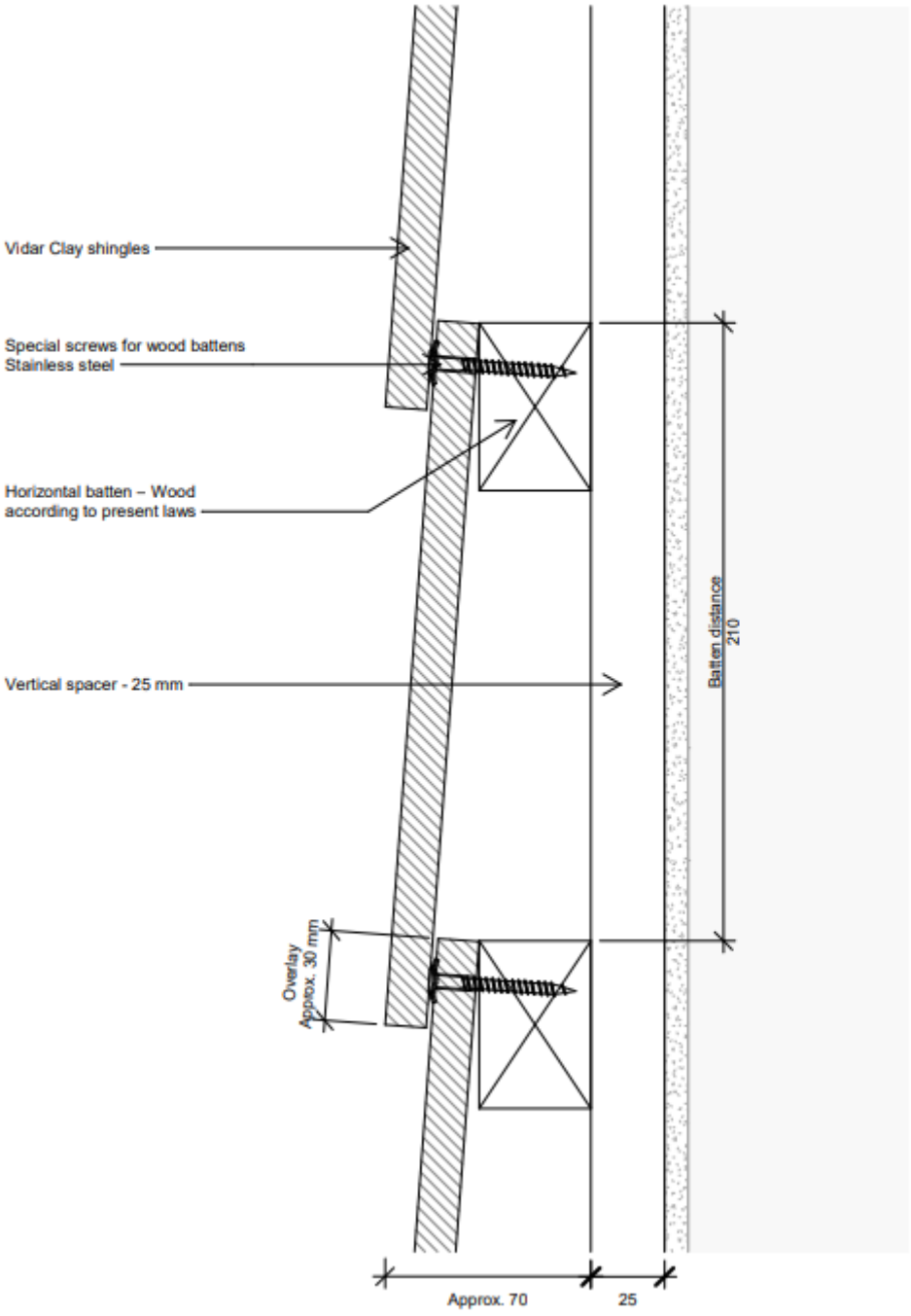
KOMPROMENT cladding kit type Concrete Cover	
Installation examples Vertical view – Aluminium battens	Annex 4



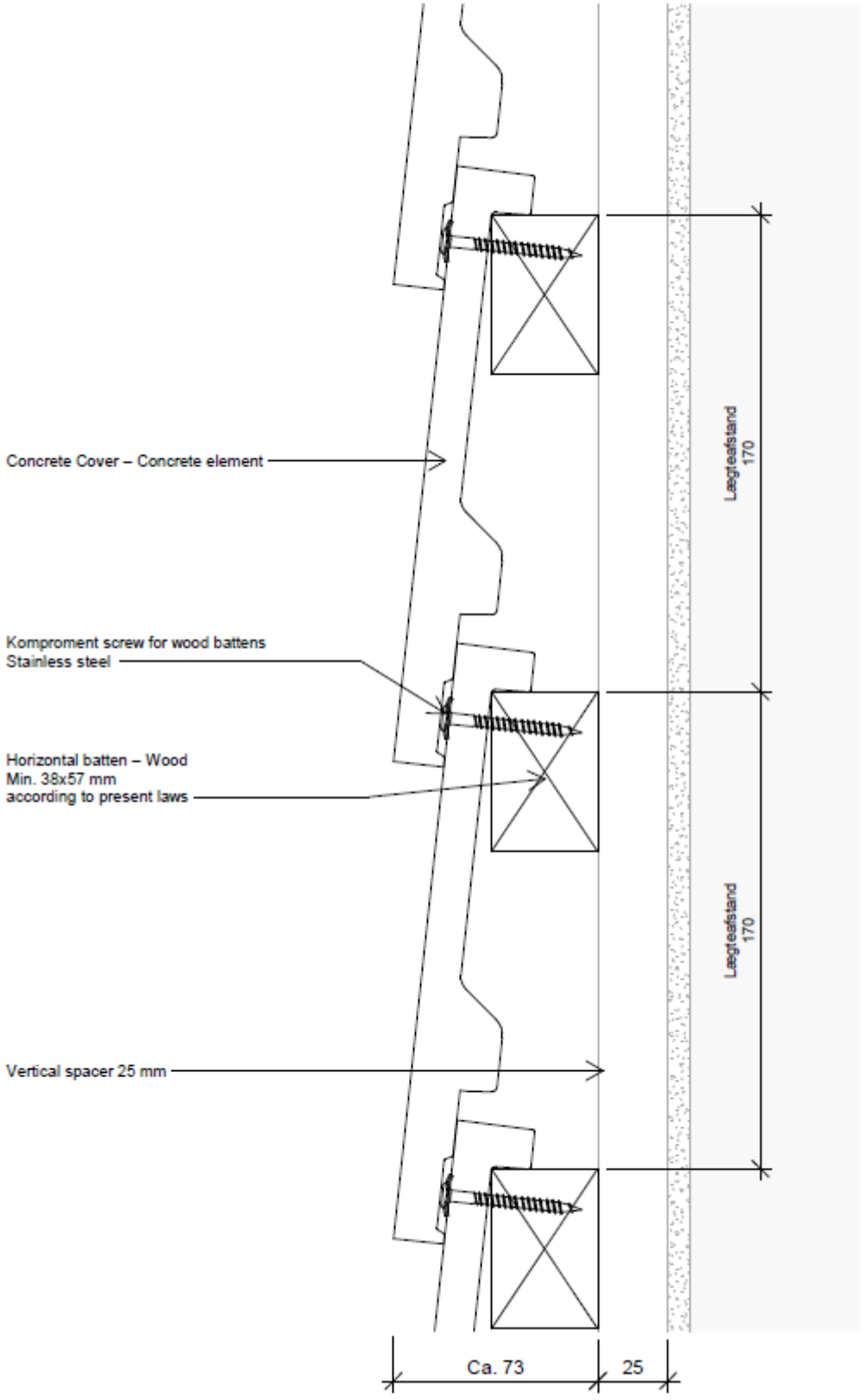
KOMPROMENT cladding kit type Vidar Ceramic	
Installation examples Vertical view – Wood battens	Annex 5



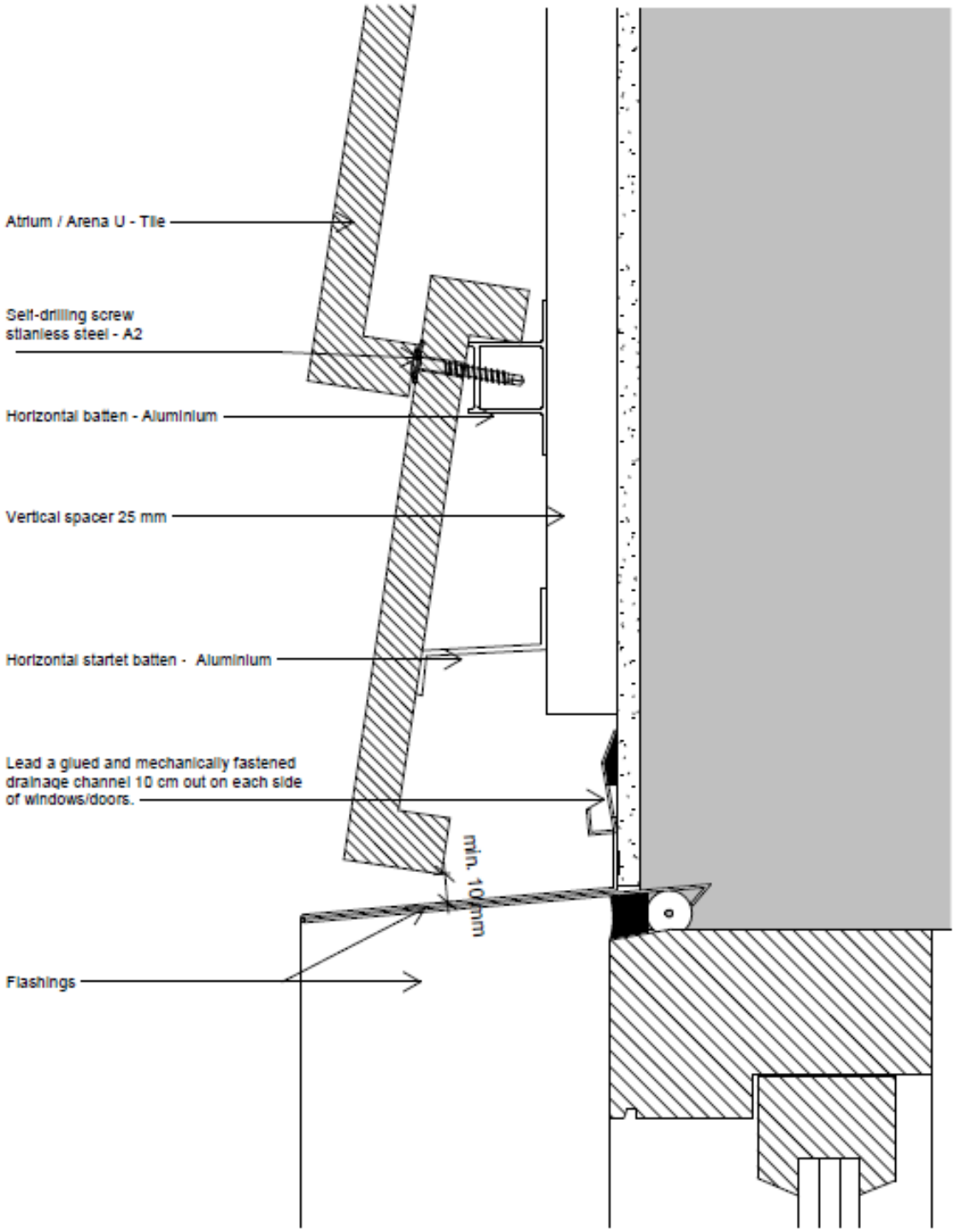
KOMPROMENT cladding kit type Vidar Ceramic	
Installation examples Vertical view – Wood battens	Annex 5



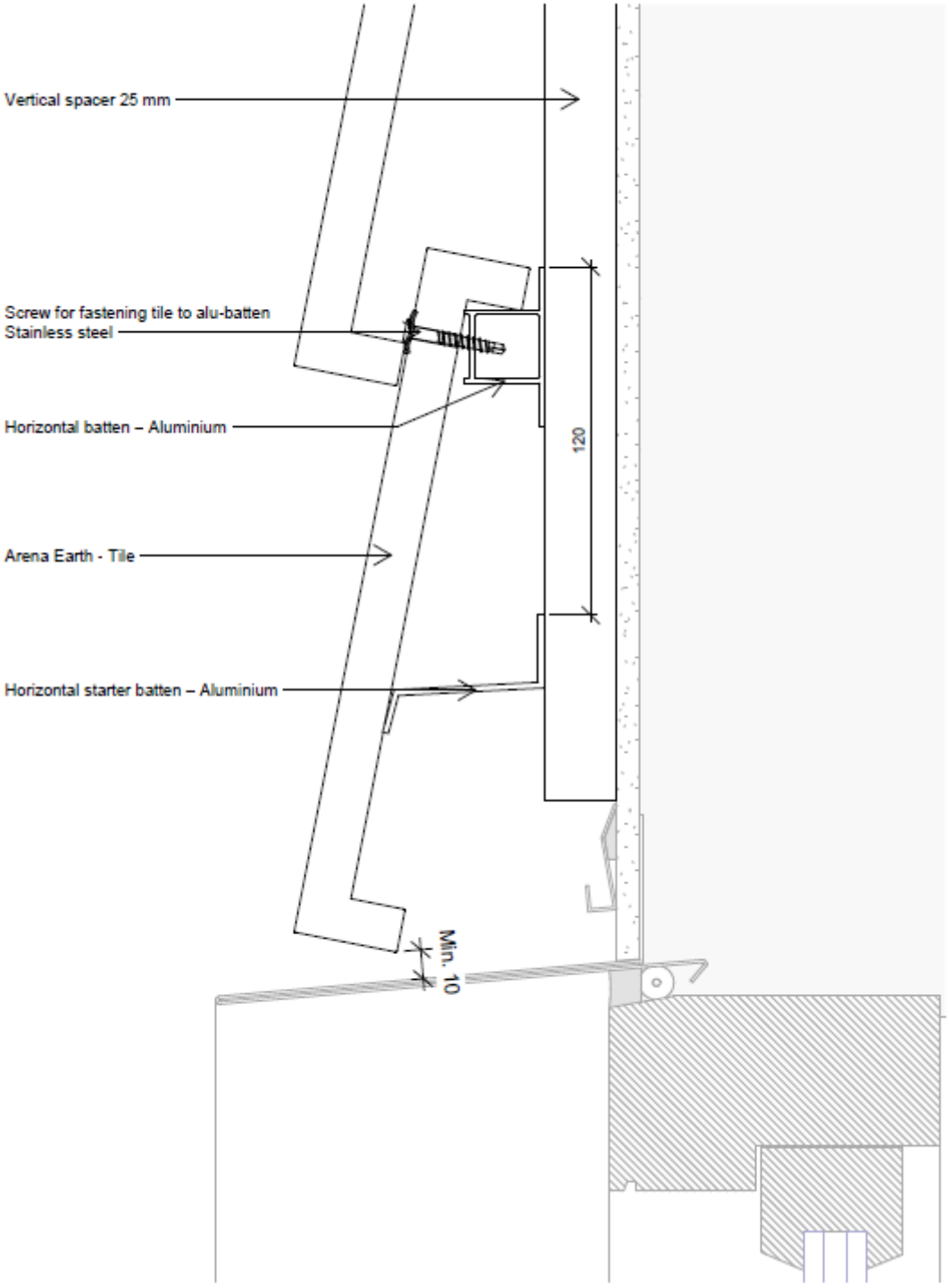
KOMPROMENT cladding kit type Vidar Clay Shingles	
Installation examples Vertical view – Wood battens	Annex 5



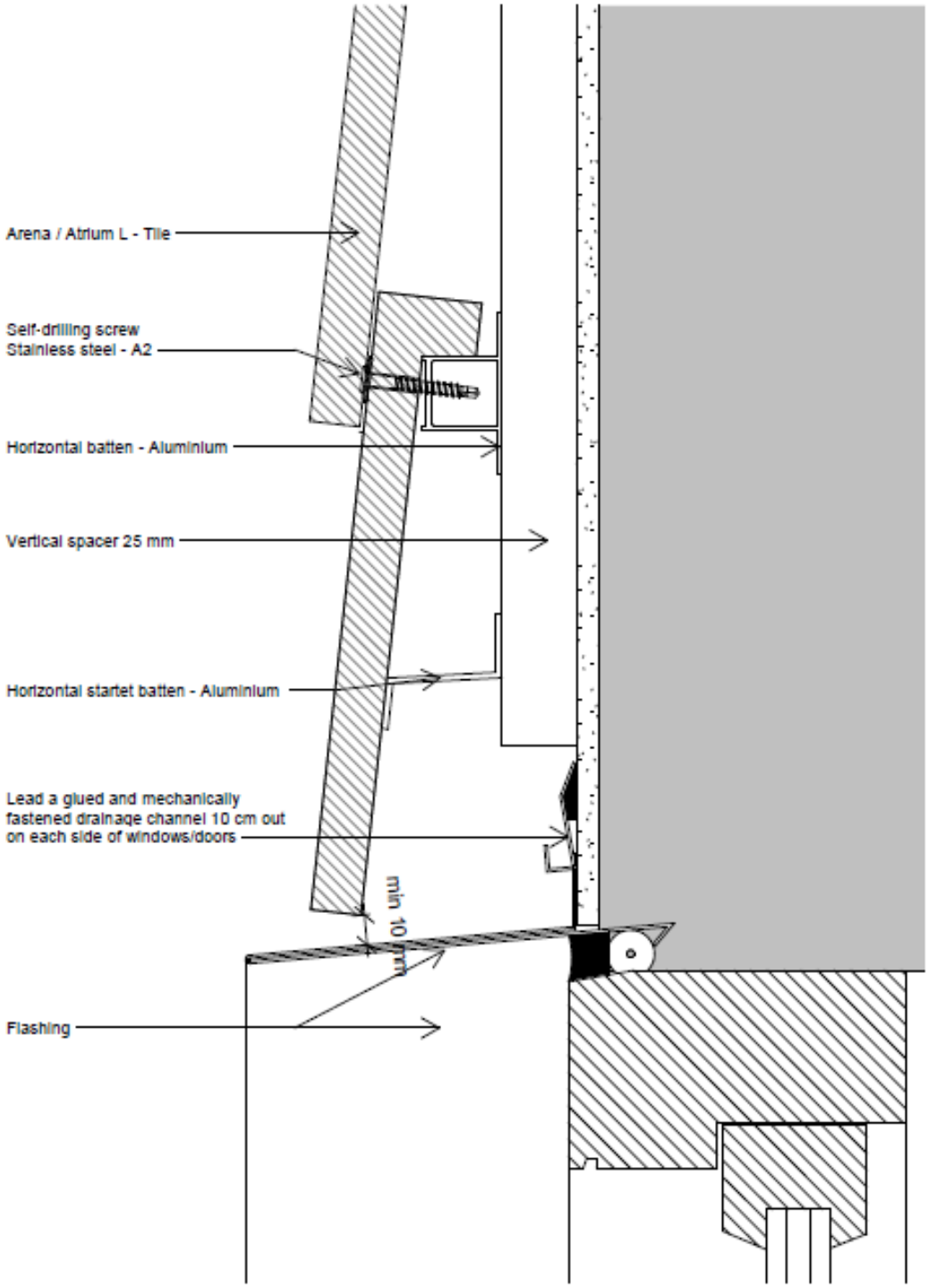
KOMPROMENT cladding kit type Concrete Cover	
Installation examples Vertical view – Wood battens	Annex 5



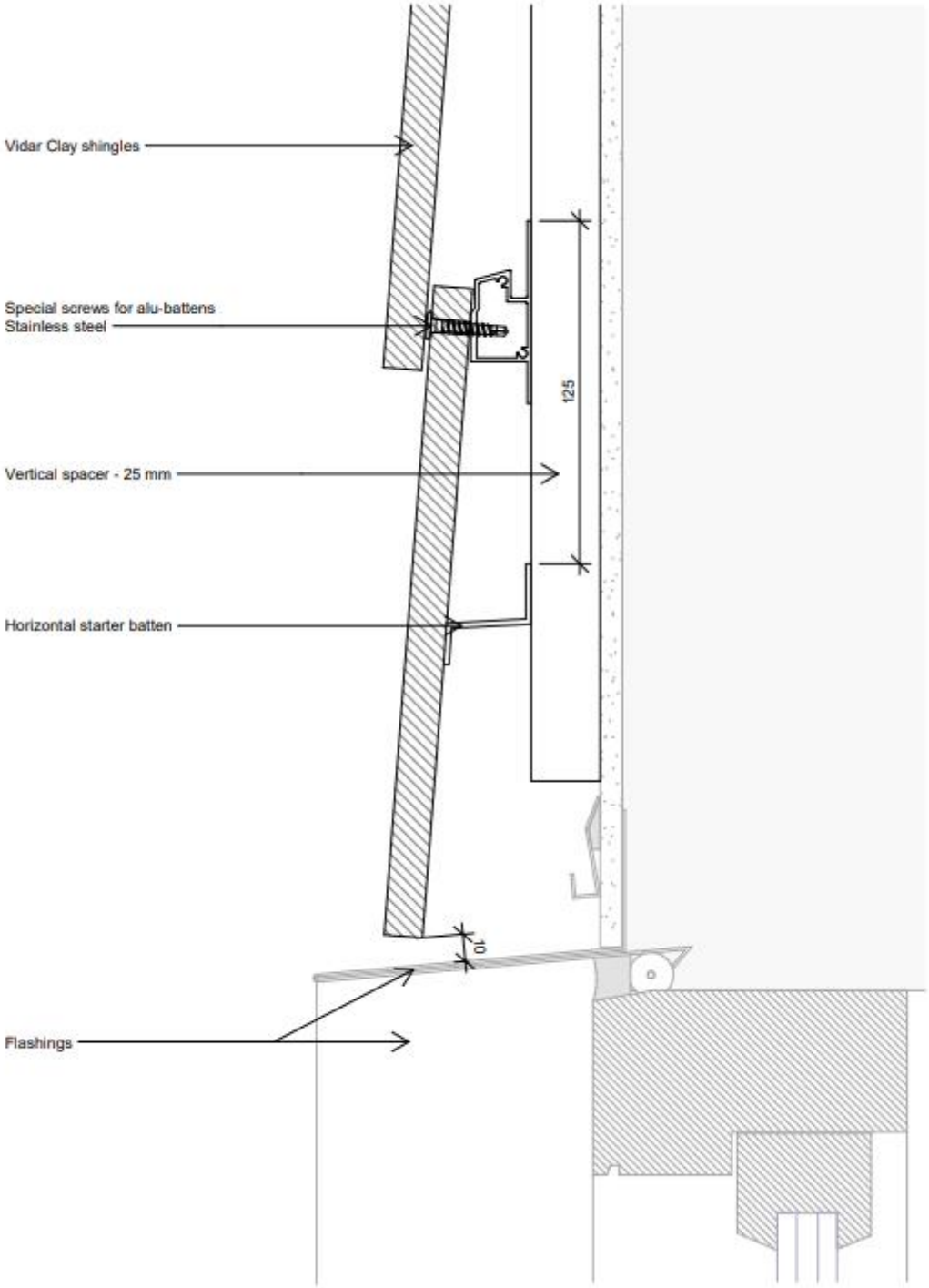
KOMPROMENT cladding kit type Arena 500-600U/ Atrium U	Annex 5
Installation examples Top window/door	



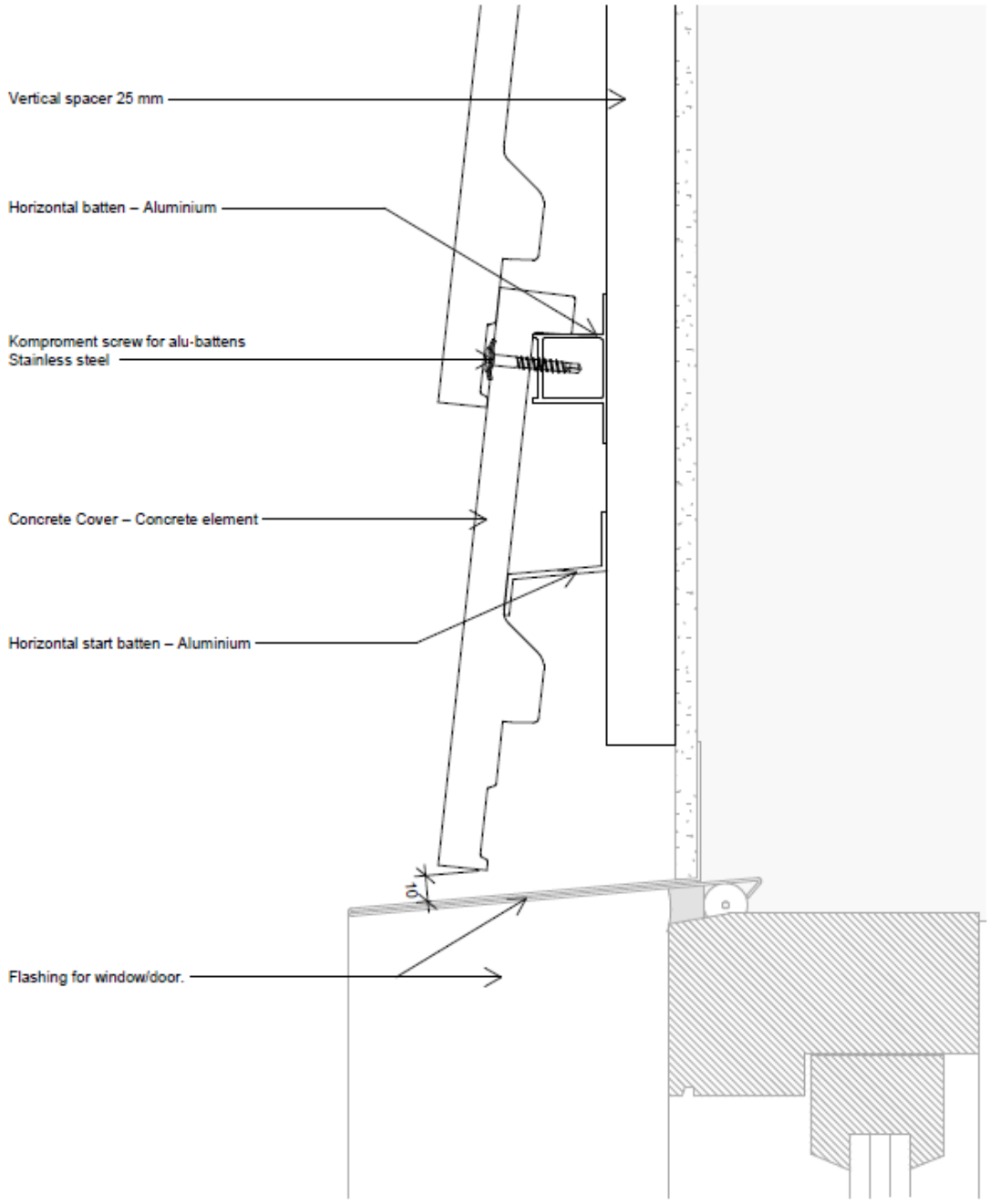
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	Annex 6
Installation examples Top window/door	



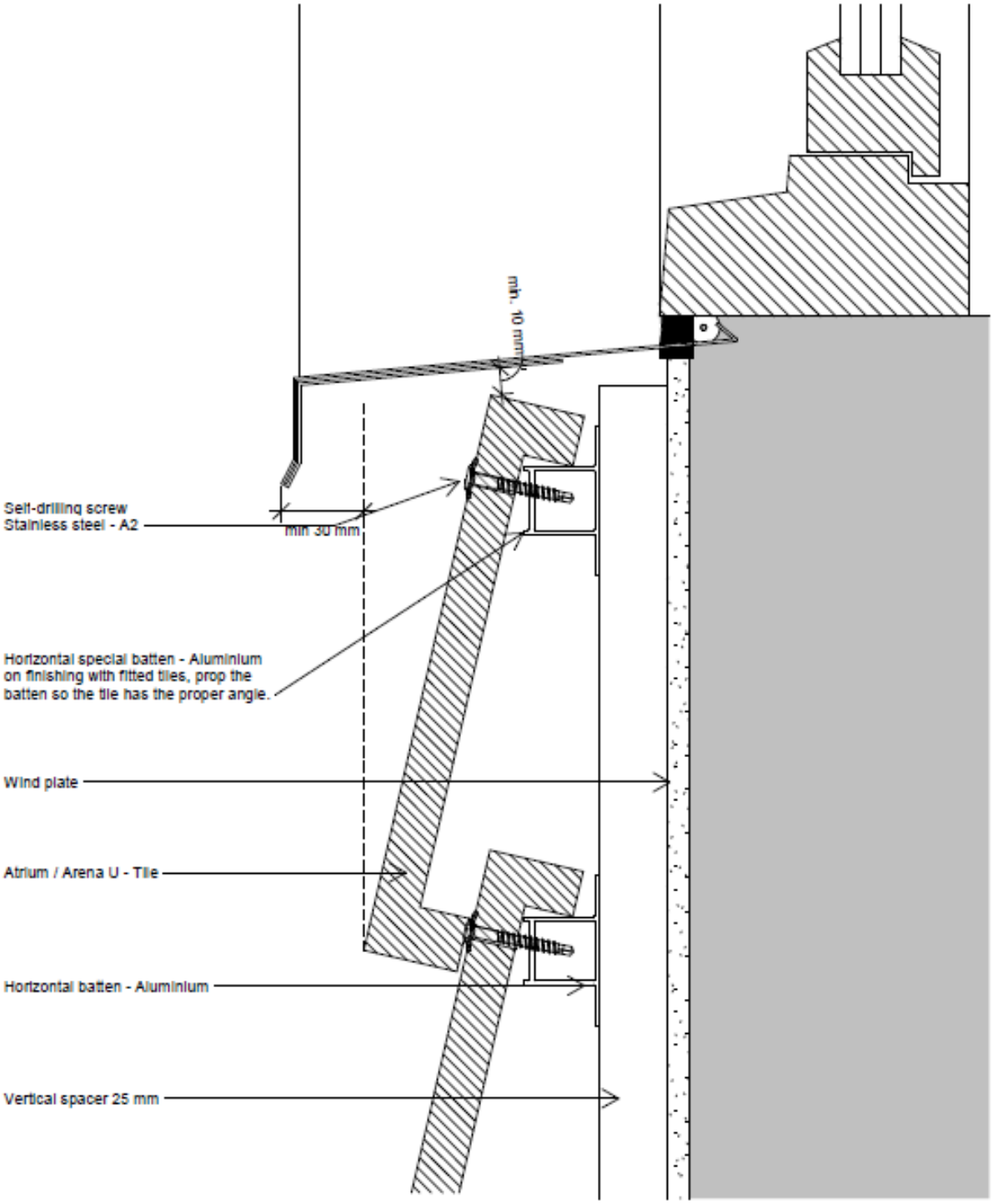
KOMPROMENT cladding kit type Arena 500/600L/Atrium L	Annex 6
Installation examples Top window/door	



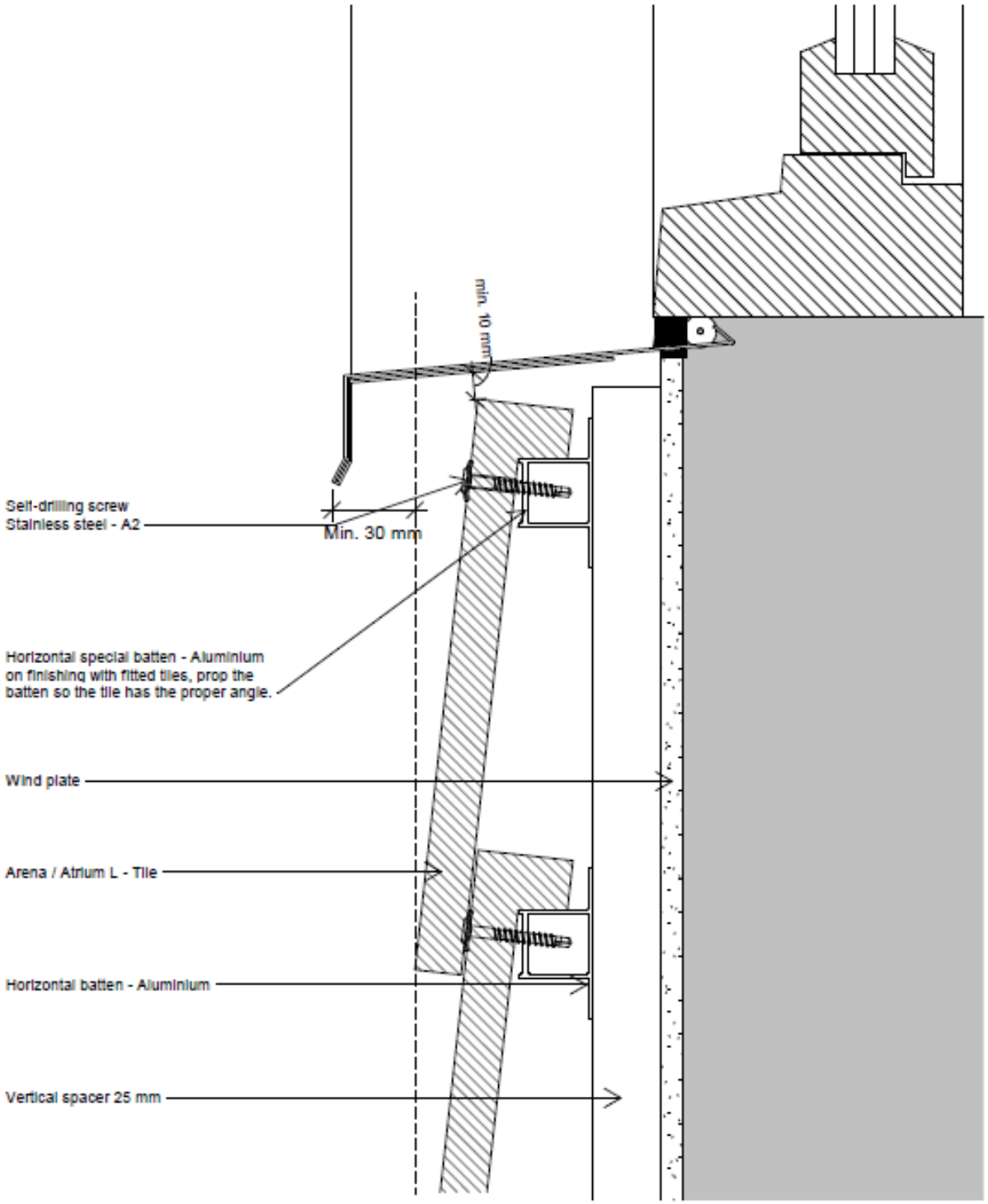
KOMPROMENT cladding kit type Vidar Clay Shingles	
Installation examples Top window/door	Annex 6



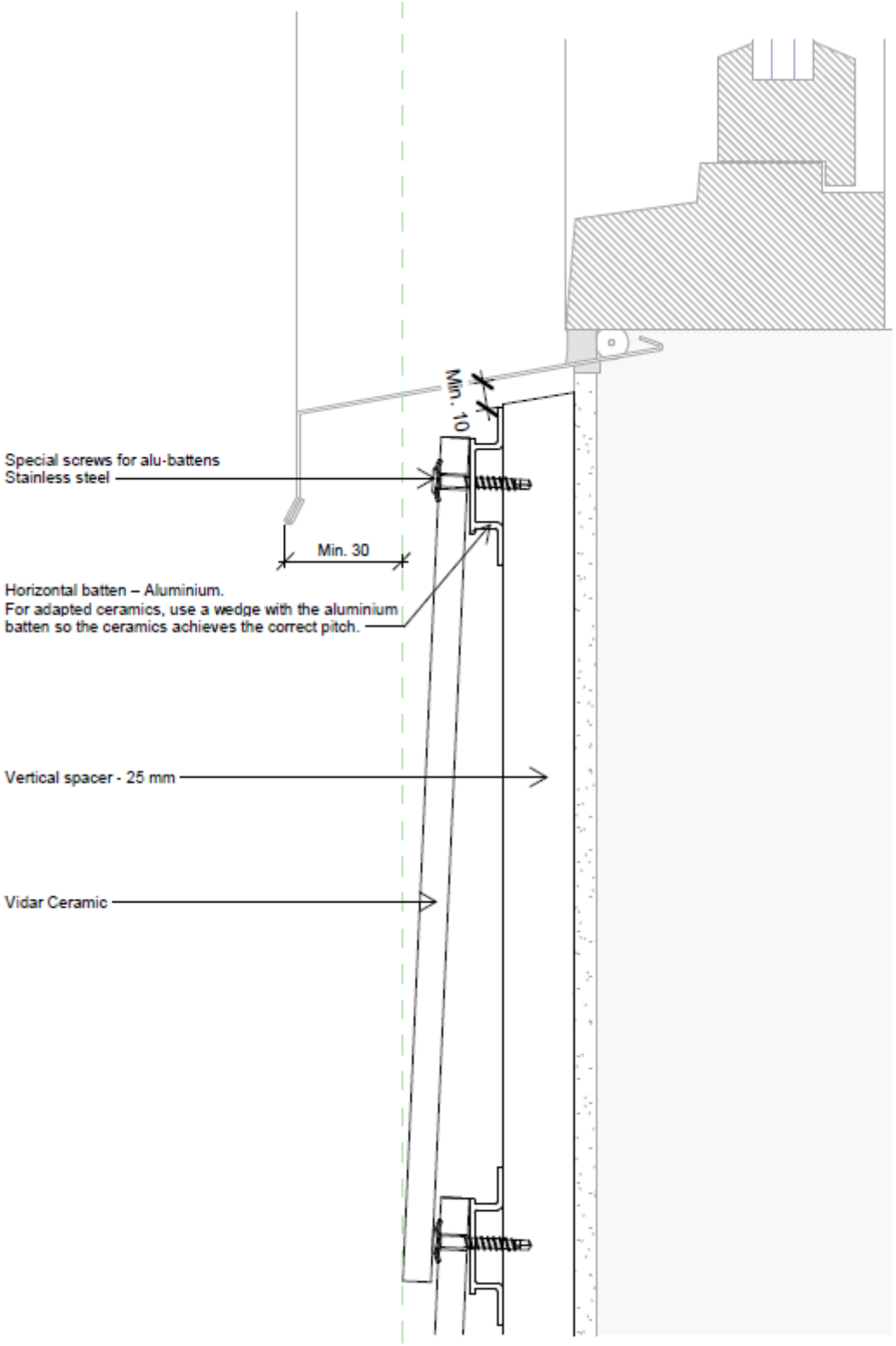
KOMPROMENT cladding kit type Concrete Cover	Annex 6
Installation examples Top window/door	



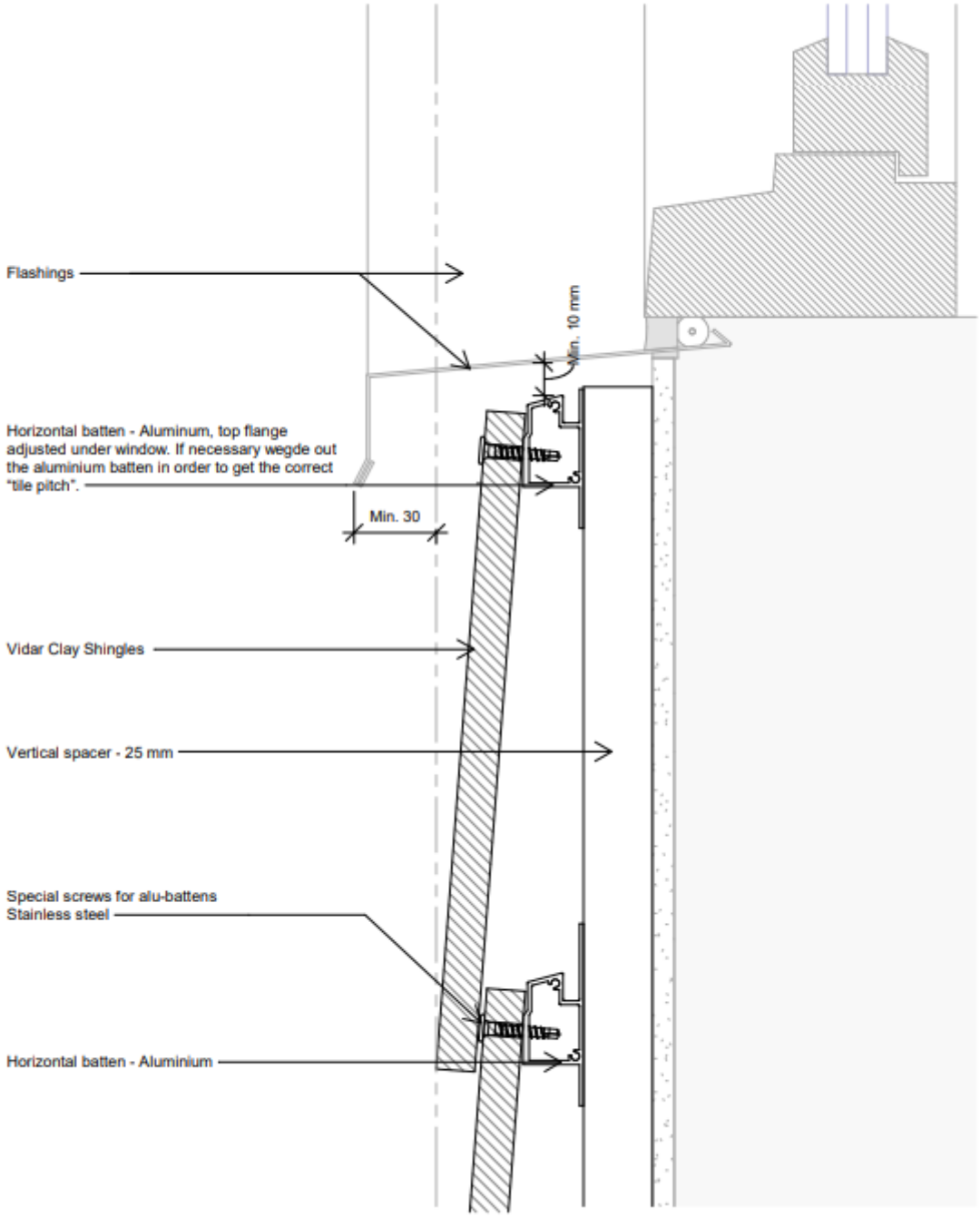
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	
Installation examples Under window	Annex 7



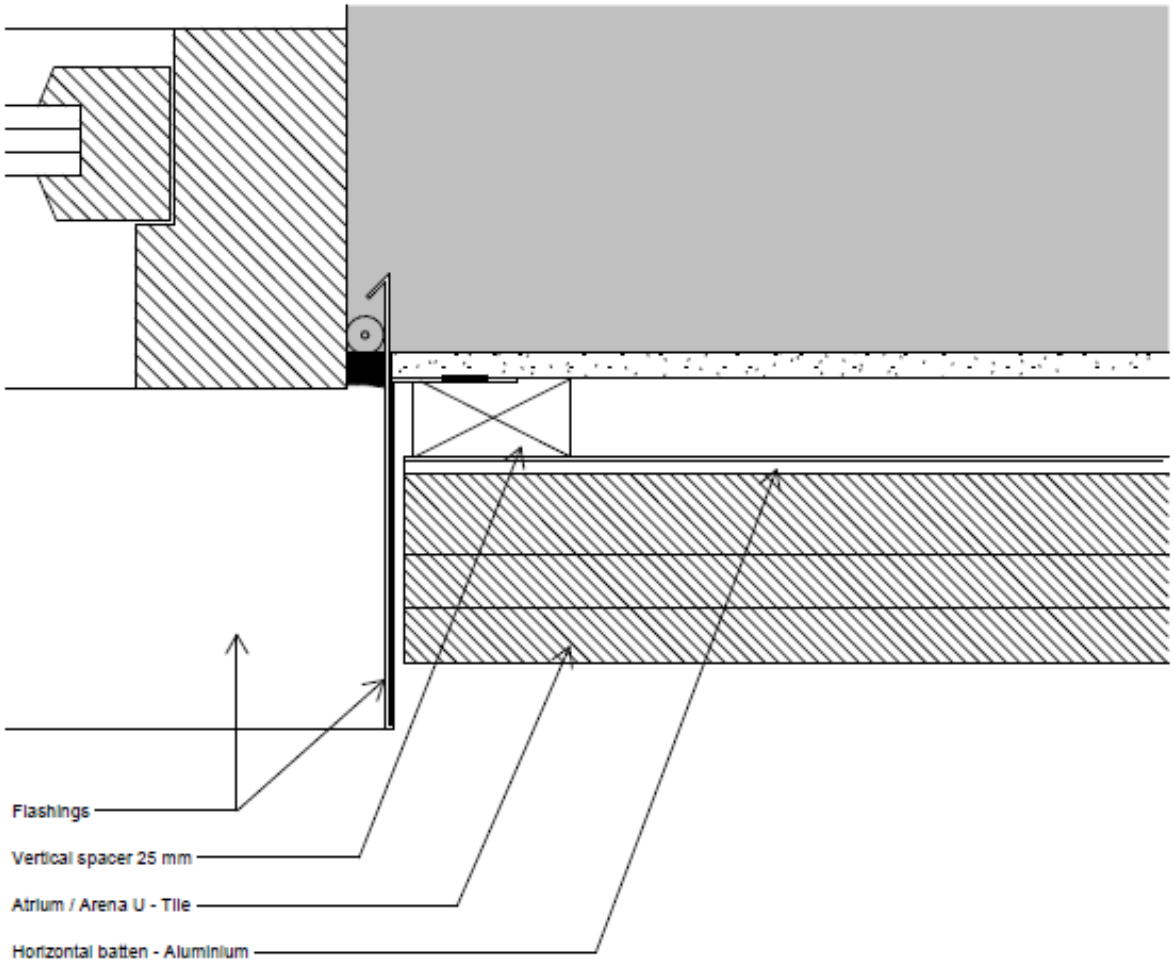
KOMPROMENT cladding kit type Arena 500/600 L & Atrium L	Annex 7
Installation examples Under window	



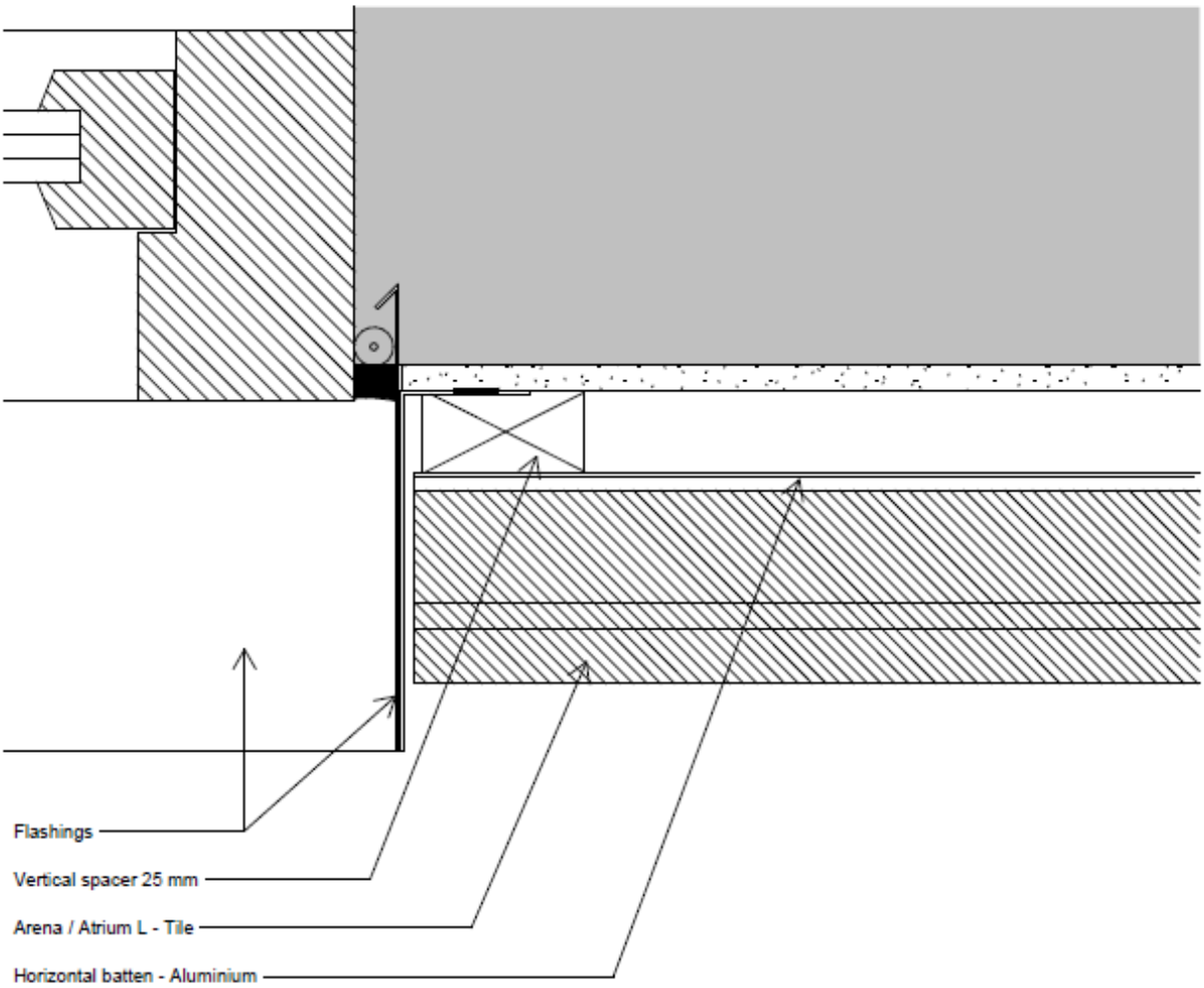
KOMPROMENT cladding kit type Vidar Ceramic	Annex 7
Installation examples Under window	



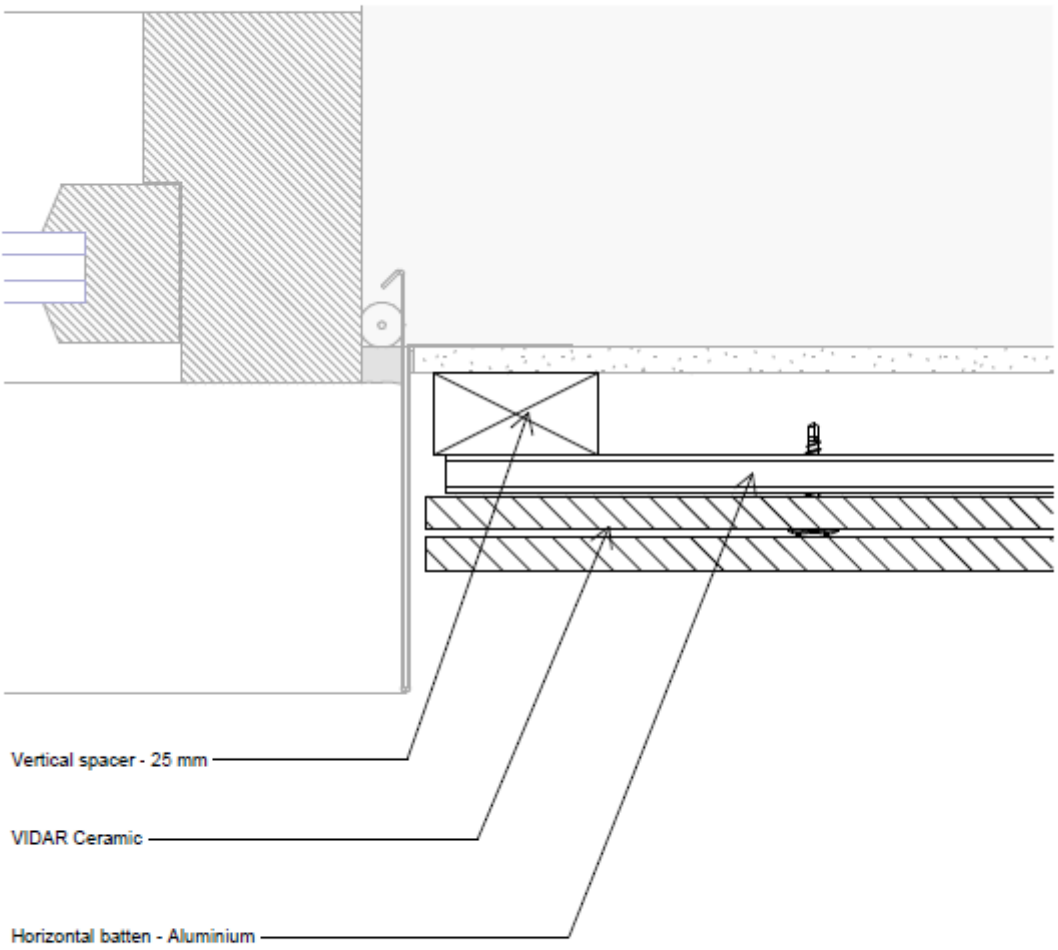
KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 7
Installation examples Under window	



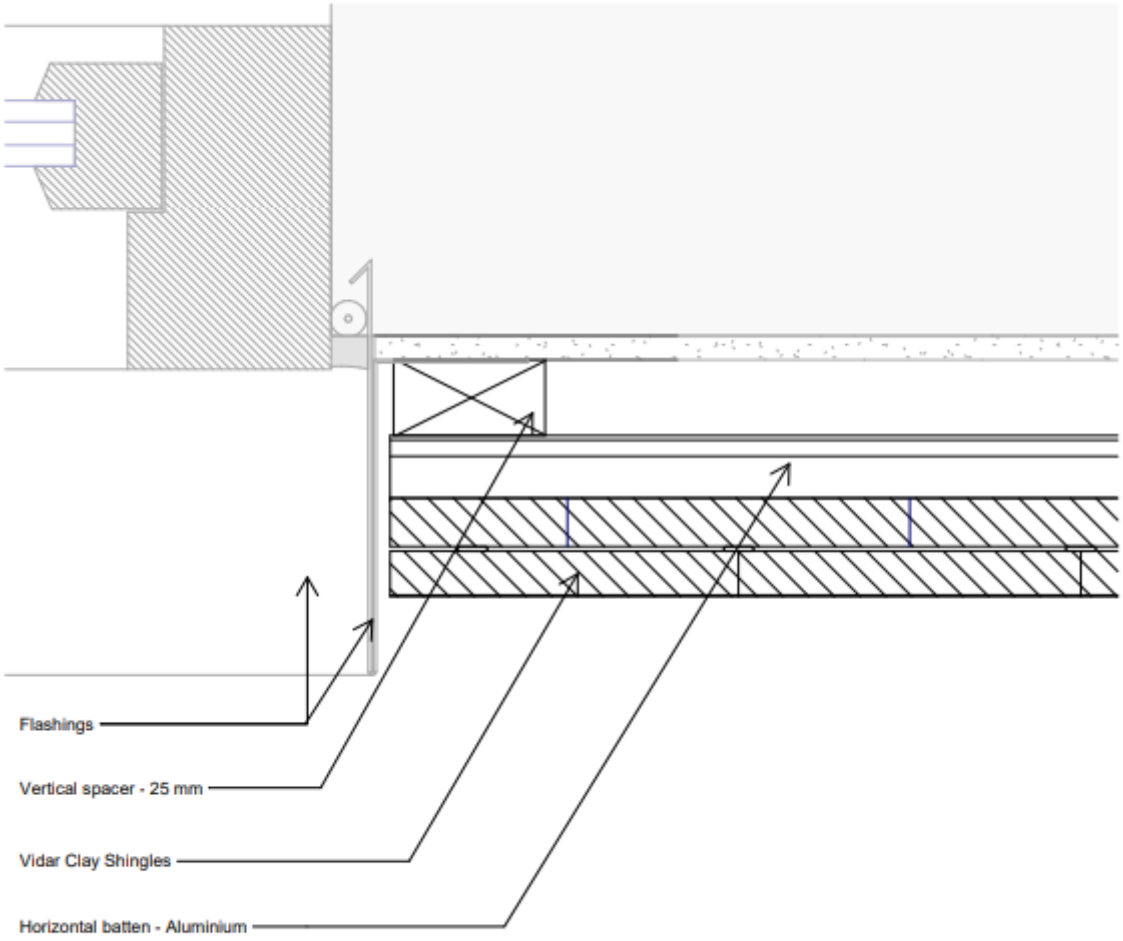
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	Annex 8
Installation examples Window/door horizontal view	



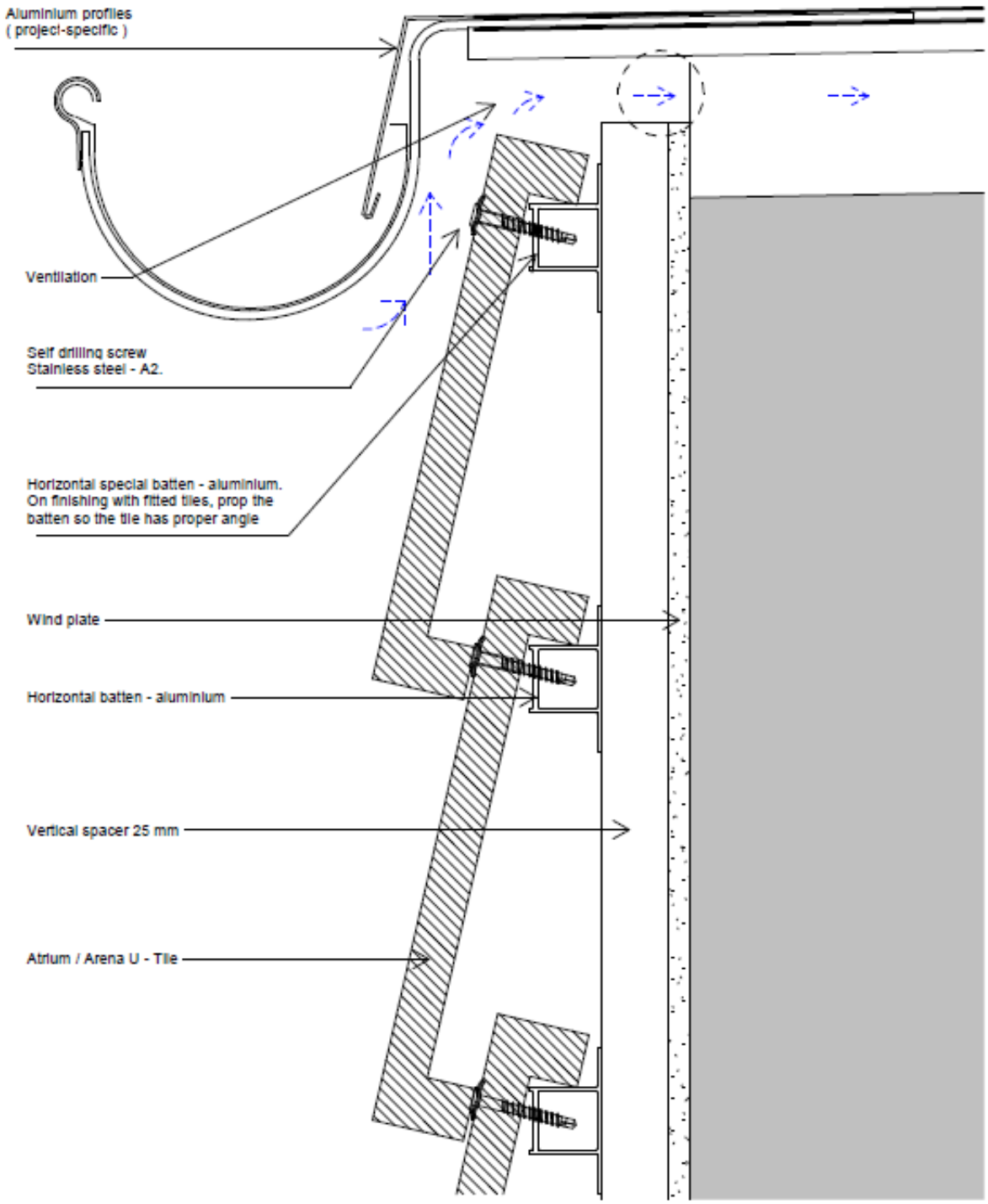
KOMPROMENT cladding kit type Arena 500/600 L & Atrium L	Annex 8
Installation examples Window/door horizontal view	



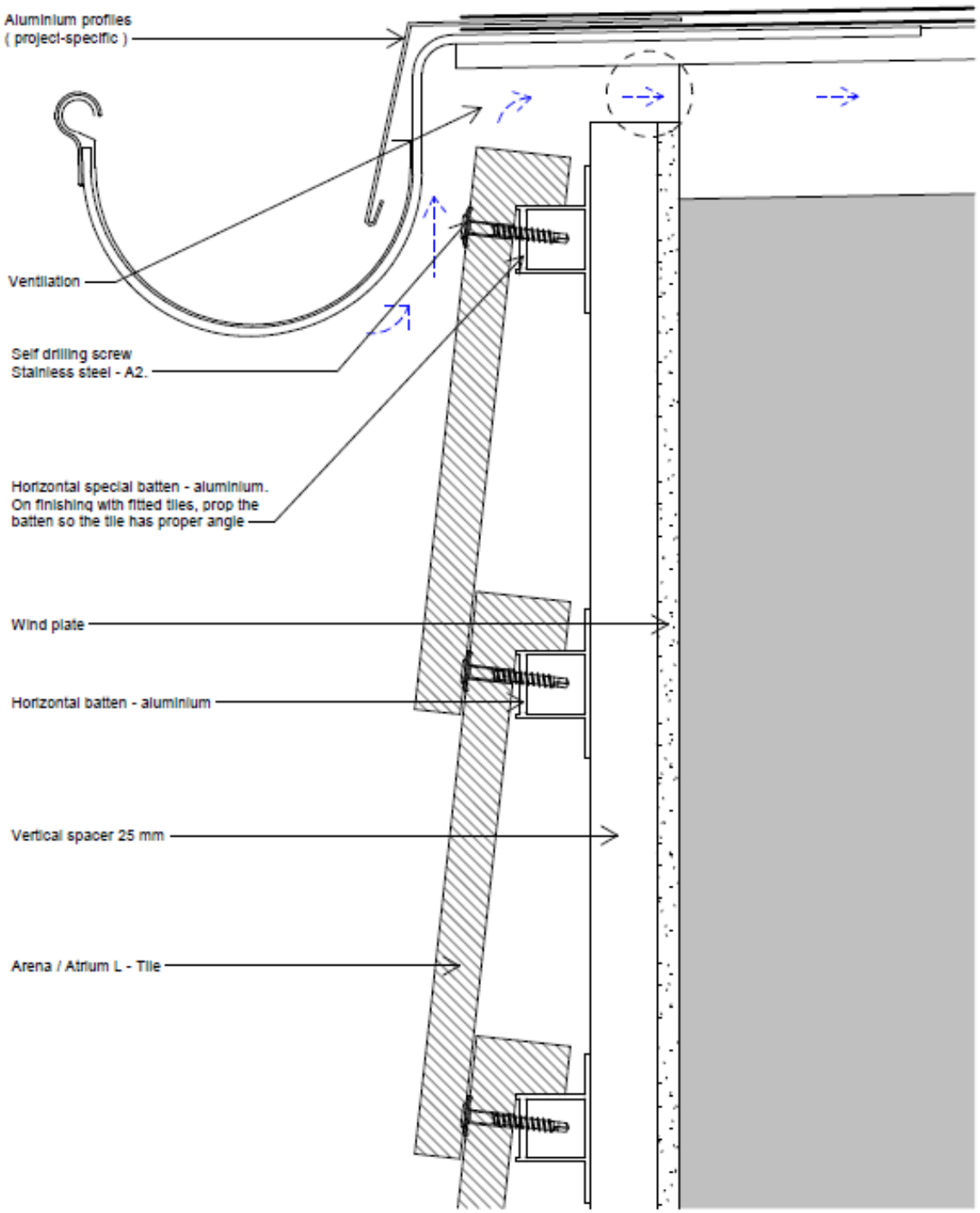
KOMPROMENT cladding kit type Vidar Ceramic	Annex 8
Installation examples Window/door horizontal view	



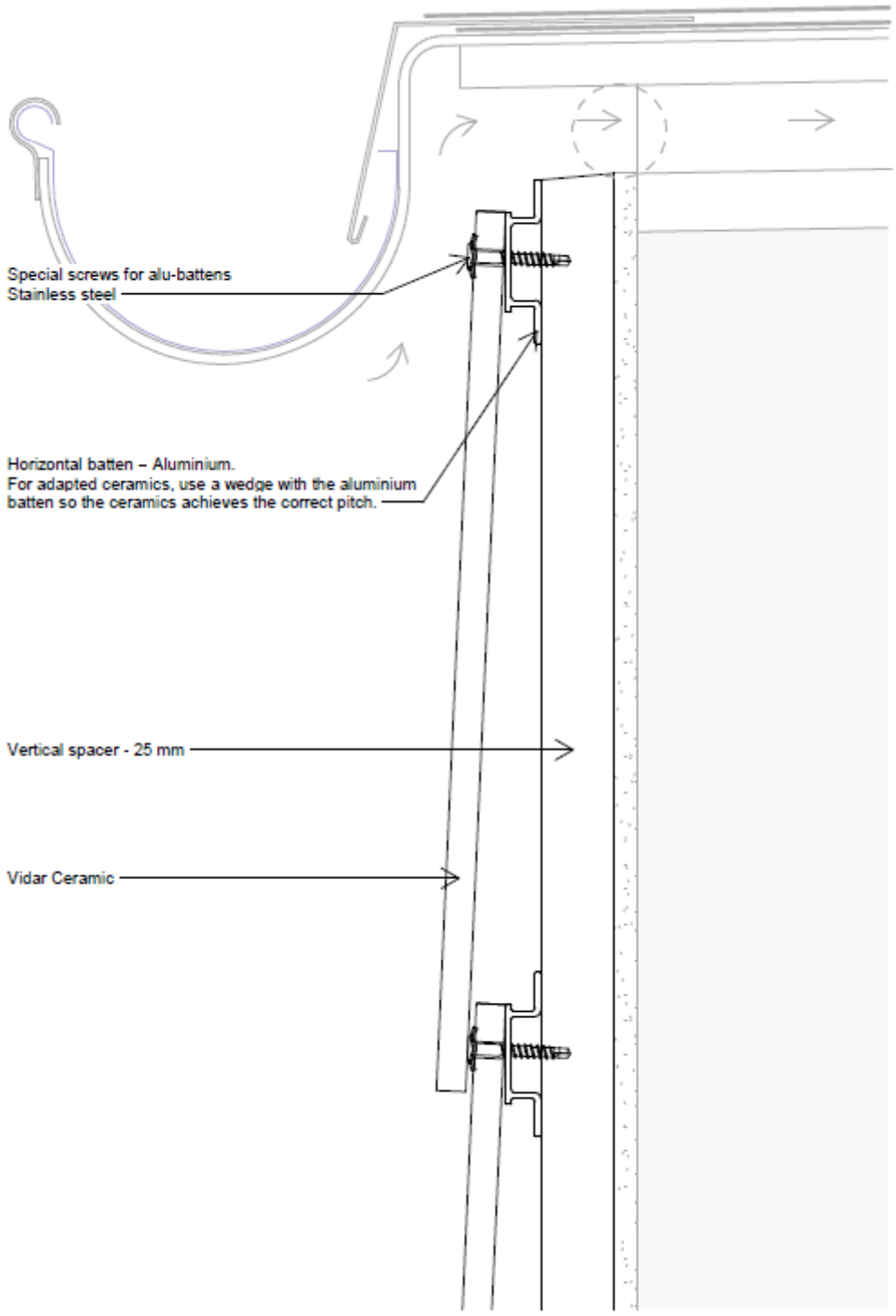
KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 8
Installation examples Window/door horizontal view	



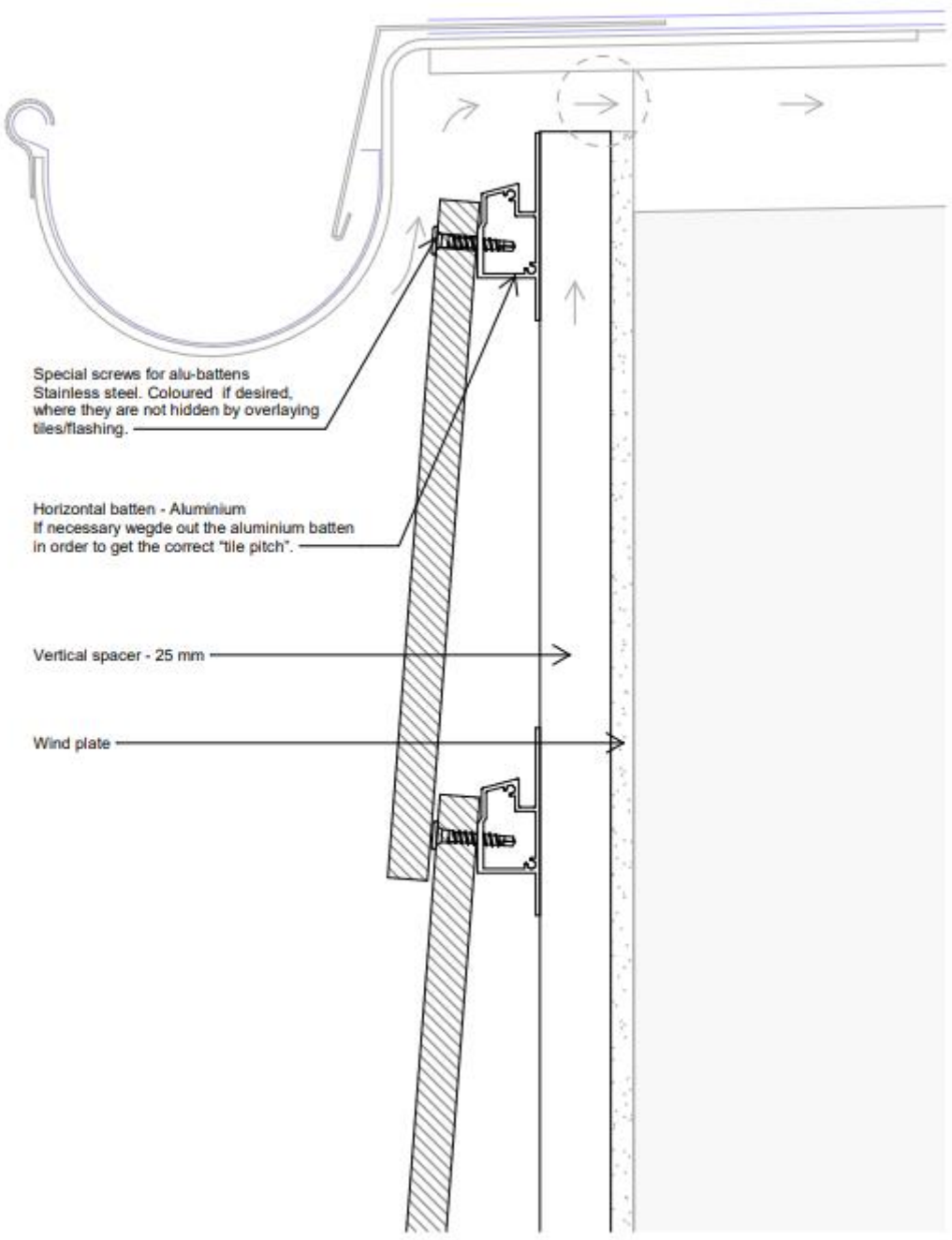
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	
Installation examples Finishing top/base of roof	Annex 9



KOMPROMENT cladding kit type Arena 500/600L & Atrium L	Annex 9
Installation examples Finishing top/base of roof	

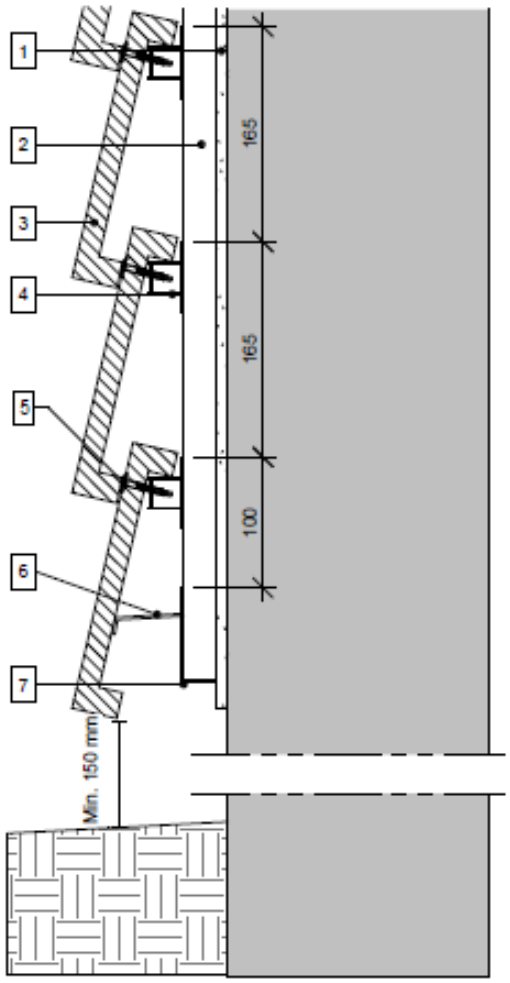


KOMPROMENT cladding kit type Vidar Ceramic	Annex 9
Installation examples Finishing top/base of roof	

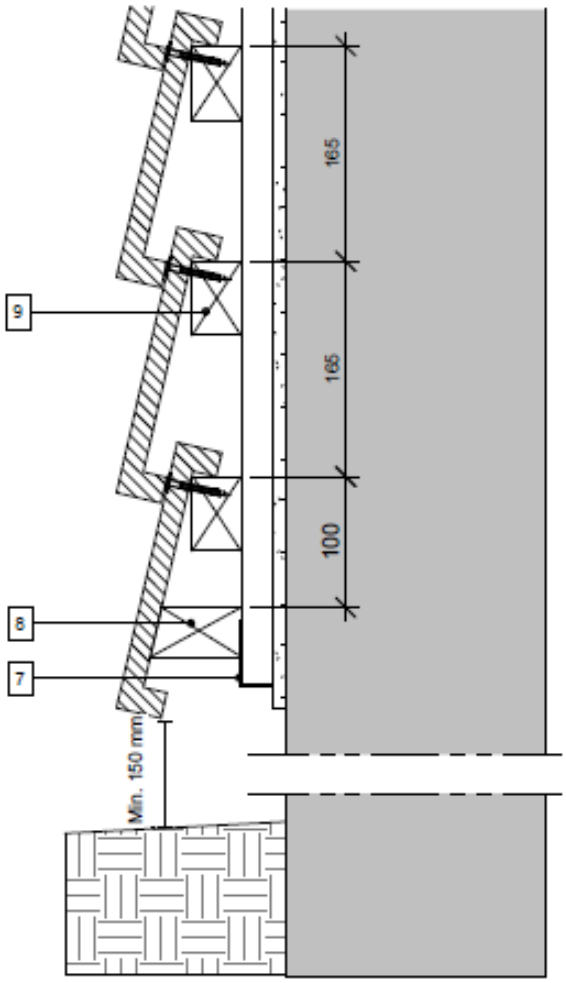


KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 9
Installation examples Finishing top/base of roof	

Mounted on aluminium battens



Mounted on wooden battens



1 Wind plate

2 Vertical spacer 25 mm

3 Atrium / Arena U

4 Horizontal batten – Aluminium

5 Kompromeni Self drilling screw Stainless steel

6 Horizontal starter batten – Aluminium

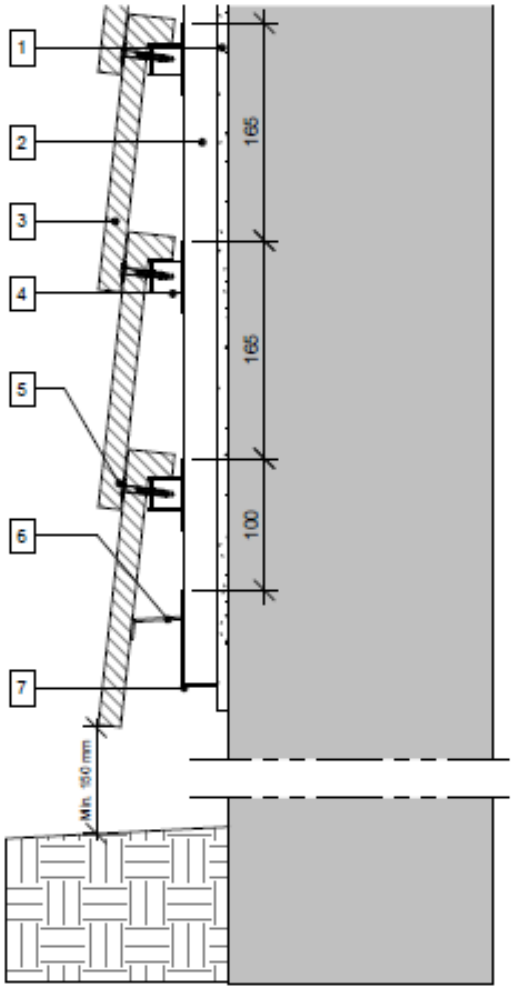
7 Mouse guard, ventilated. 1.0 mm perforated aluminium

8 Fitted batten – Wood

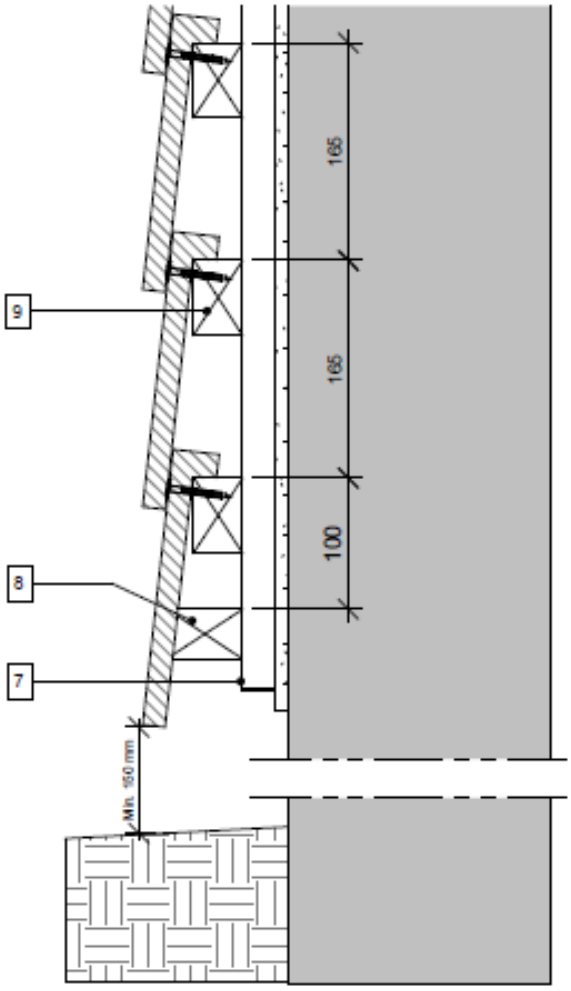
9 Horizontal batten – Wood according to present laws

KOMPROMENT cladding kit type Arena 500/600U / Atrium U	Annex 10
Installation examples Start façade - aluminium	

Mounted on aluminium battens

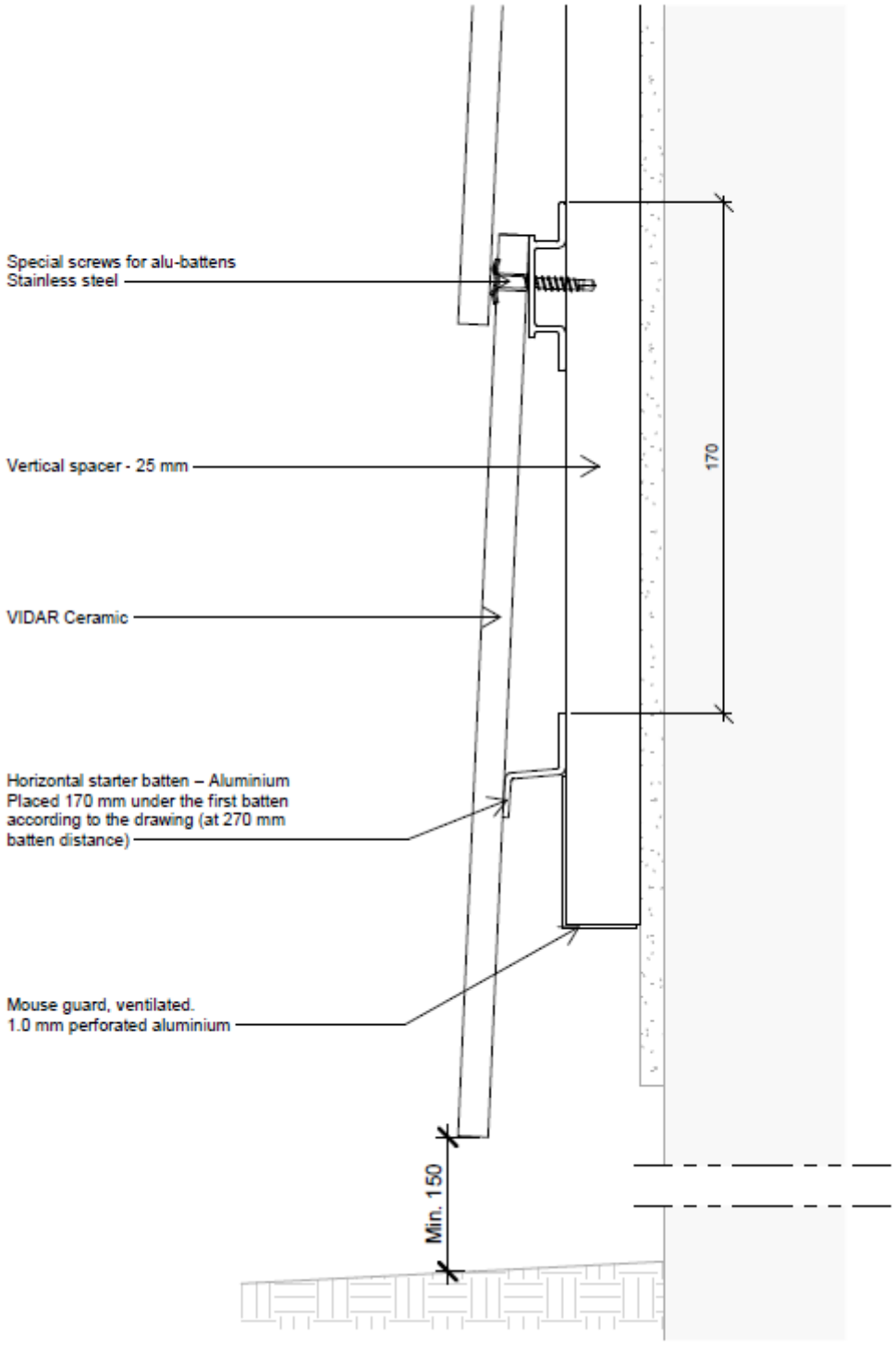


Mounted on wooden battens

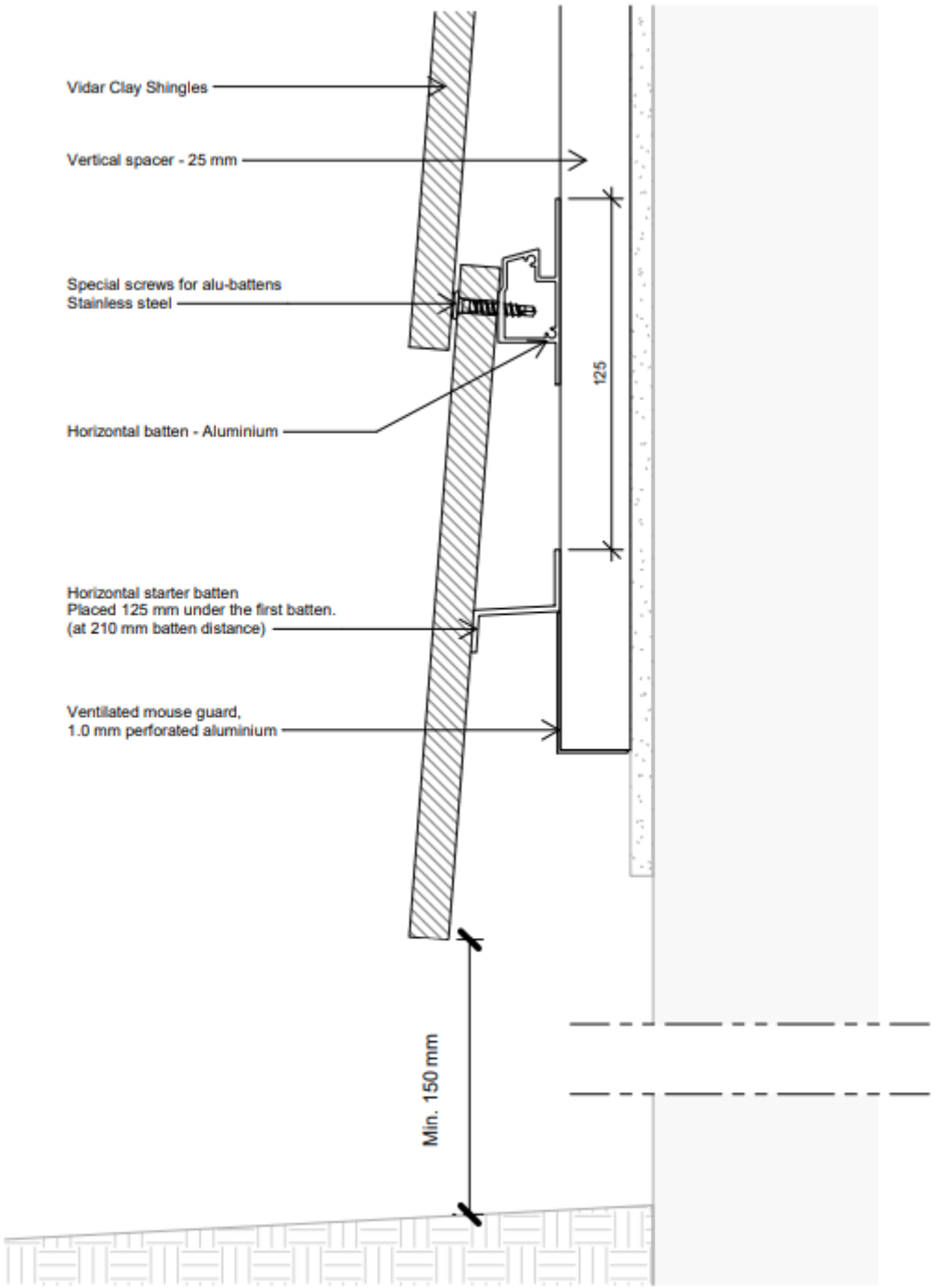


1 Wind plate
2 Vertical spacer 25 mm
3 Arena / Atrium L - Tile
4 Horizontal batten - Aluminium
5 Self drilling screw, Stainless steel - A2
6 Horizontal starter batten - Aluminium
7 Mouse guard, ventilated 1.0 mm perforated aluminium
8 Fitted batten - Wood
9 Horizontal batten - Wood according present laws

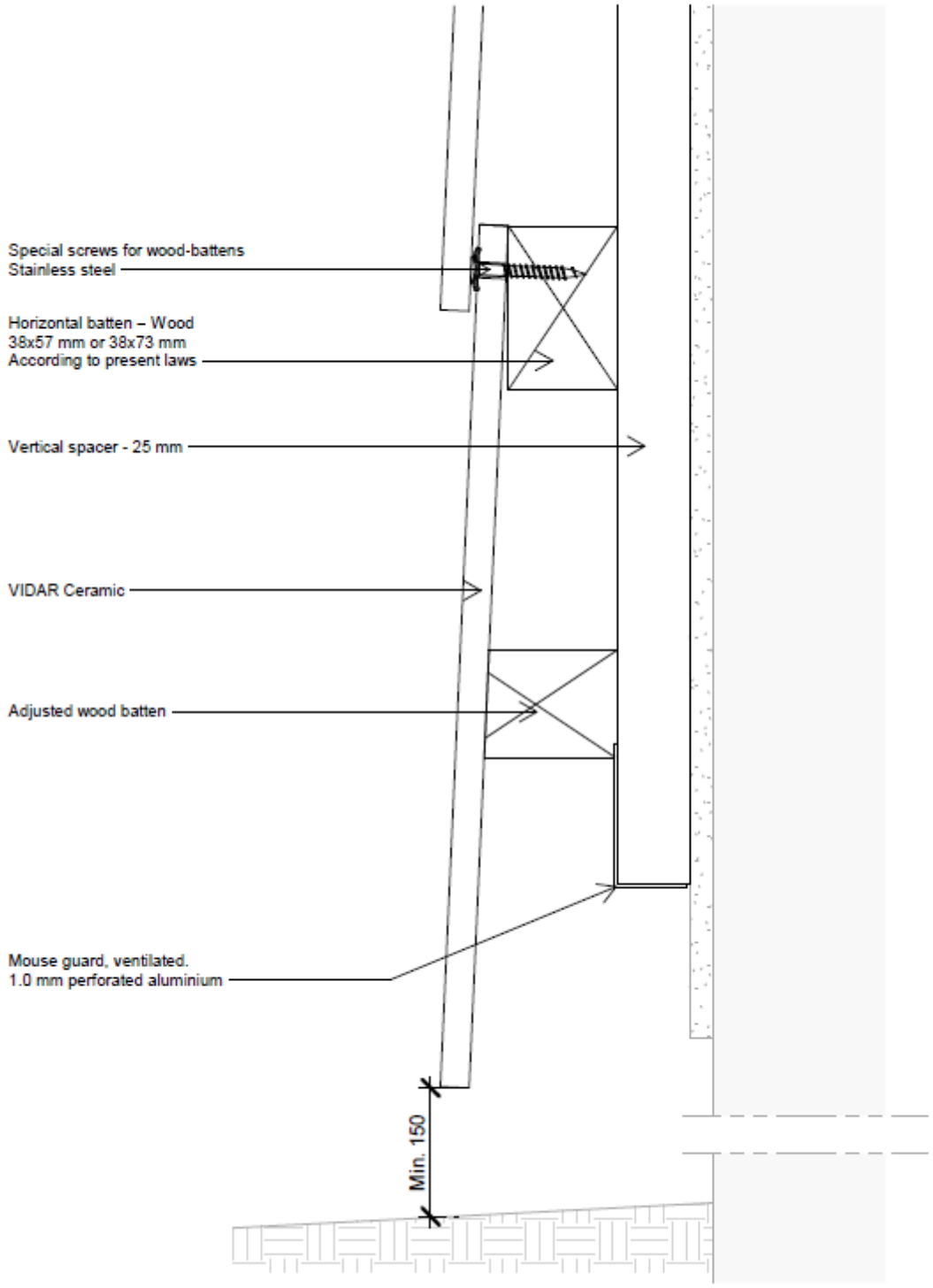
KOMPROMENT cladding kit type Arena 500/600L & Atrium L	Annex 10
Installation examples Start façade – aluminium & wood	



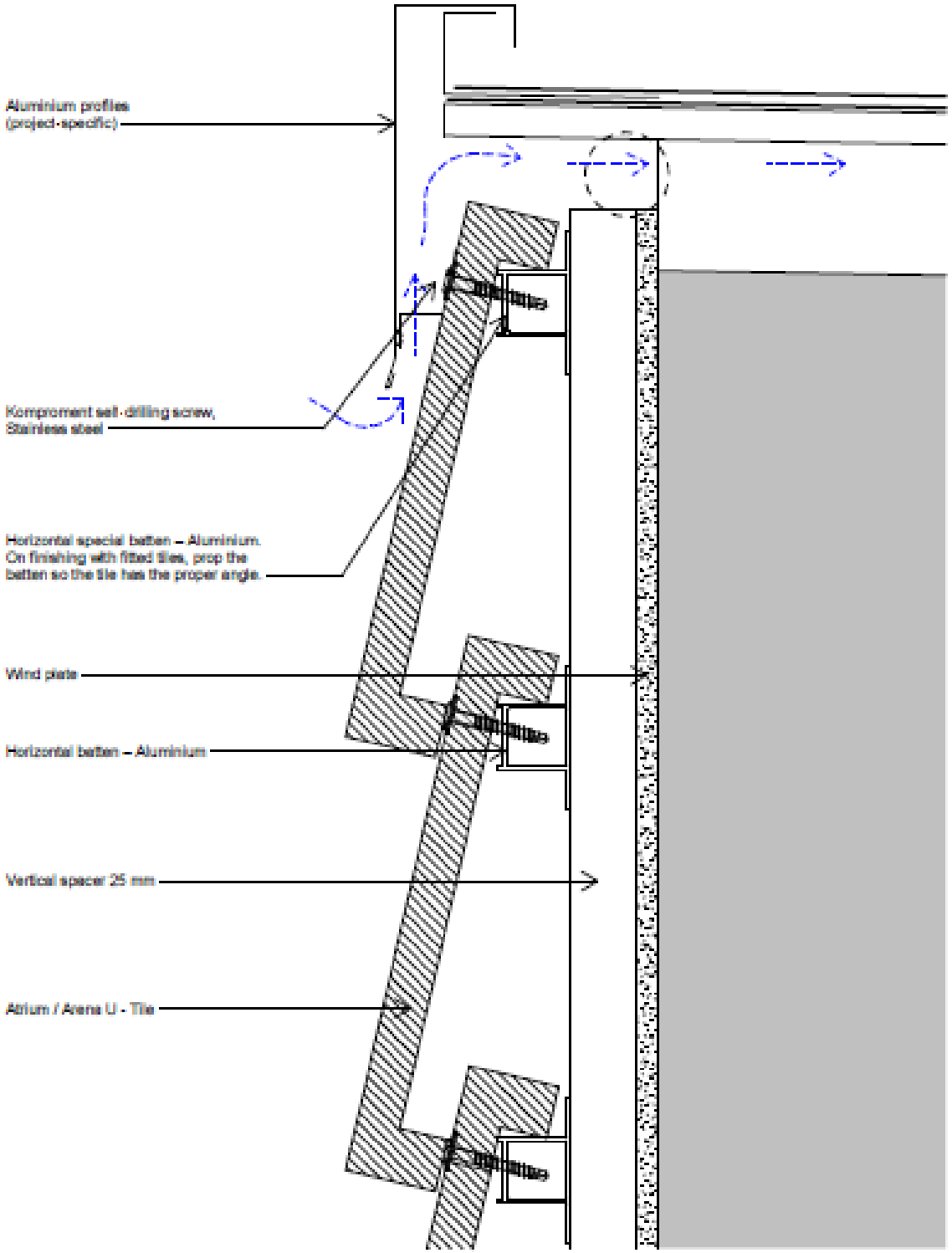
KOMPROMENT cladding kit type Vidar Ceramic	Annex 10
Installation examples Start façade - aluminium	



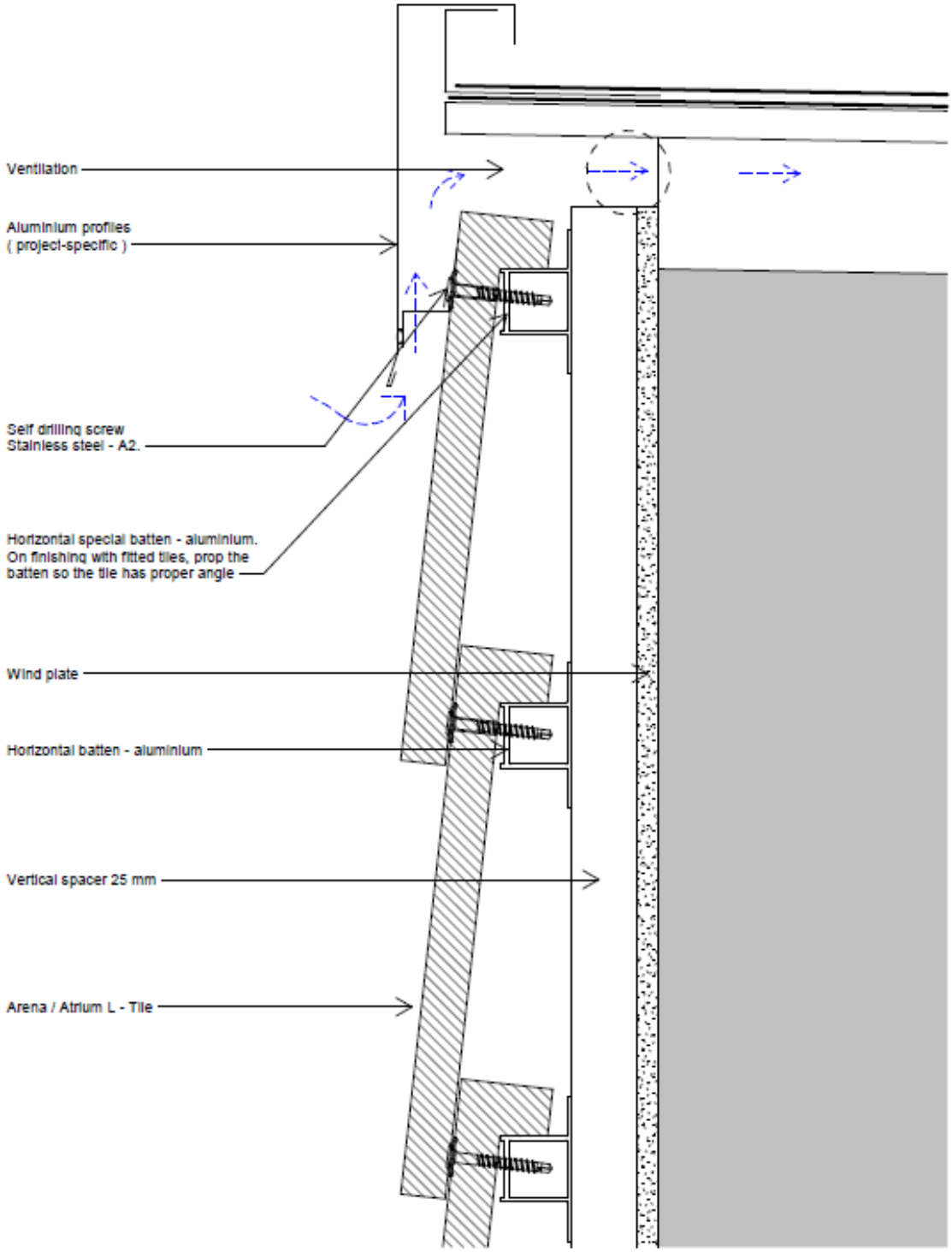
KOMPROMENT cladding kit type Vidar Clay Shingels	Annex 10
Installation examples Start façade - aluminium	



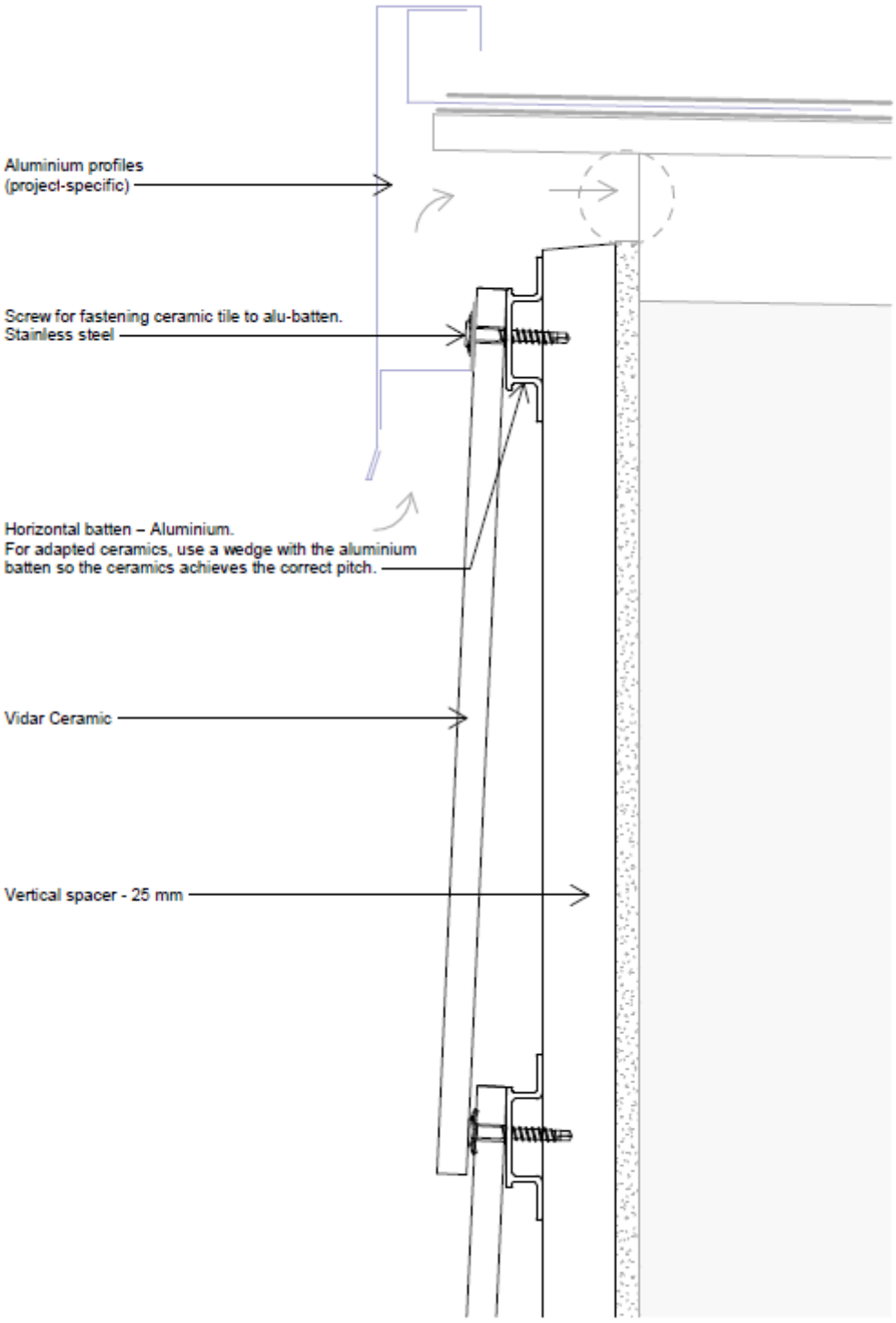
KOMPROMENT cladding kit type Vidar Ceramic	Annex 11
Installation examples Start façade - wood	



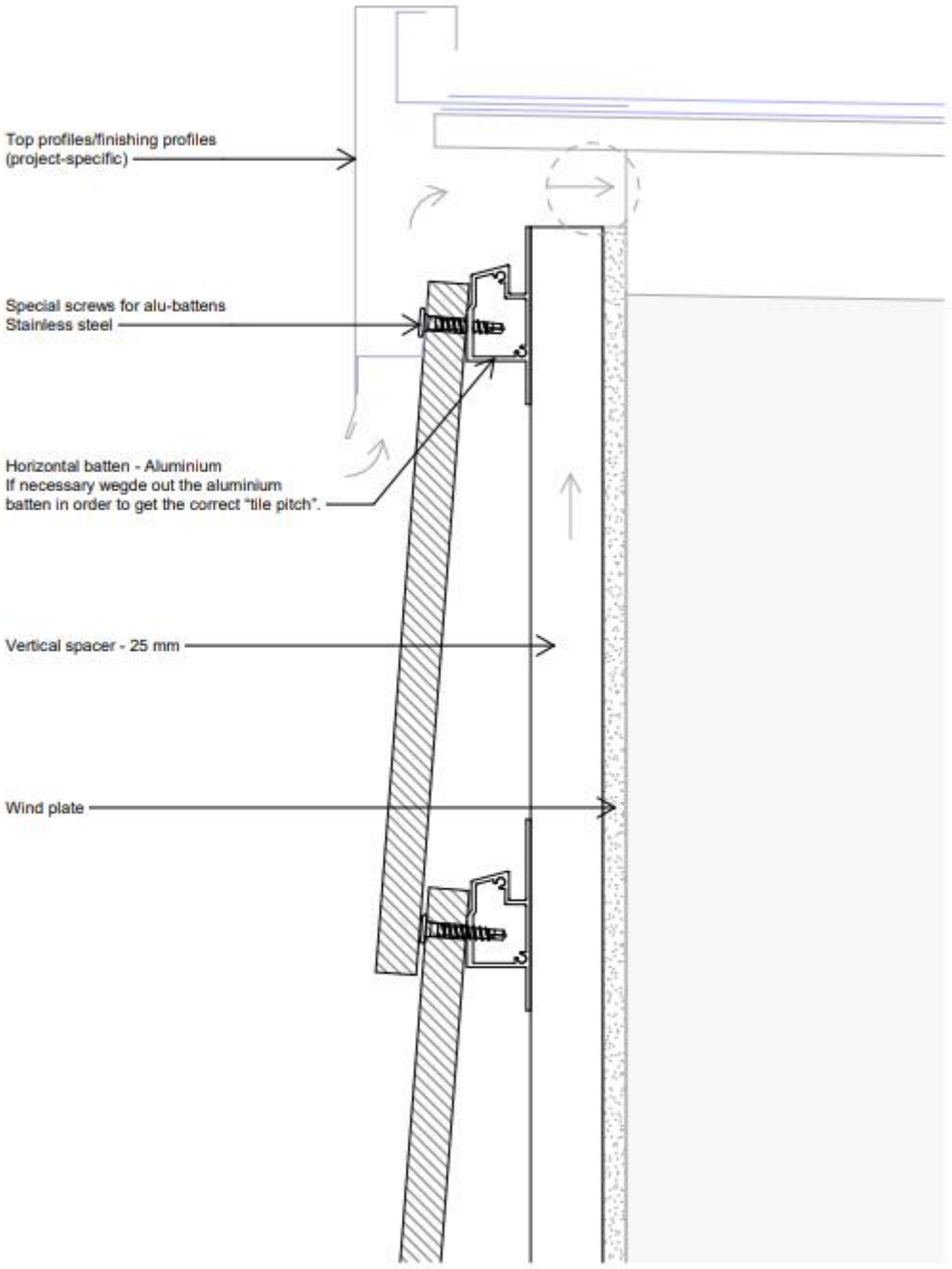
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	
Installation examples Finishing/top gable	Annex 12



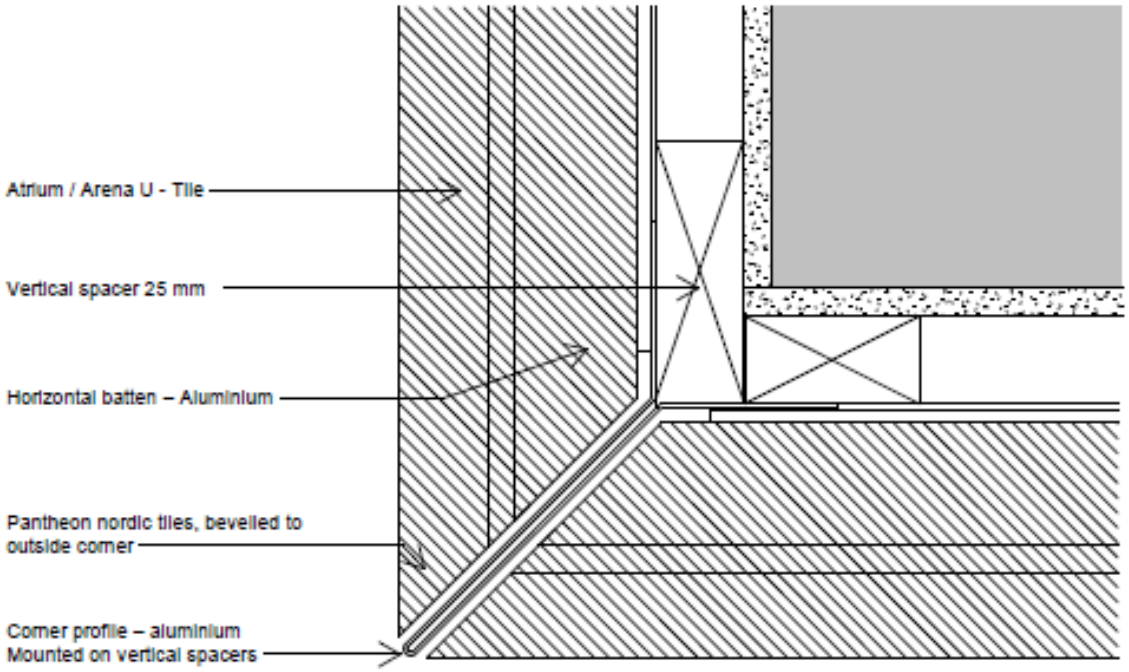
KOMPROMENT cladding kit type Arena 500/600L & Atrium L	Annex 12
Installation examples Finishing/top gable	

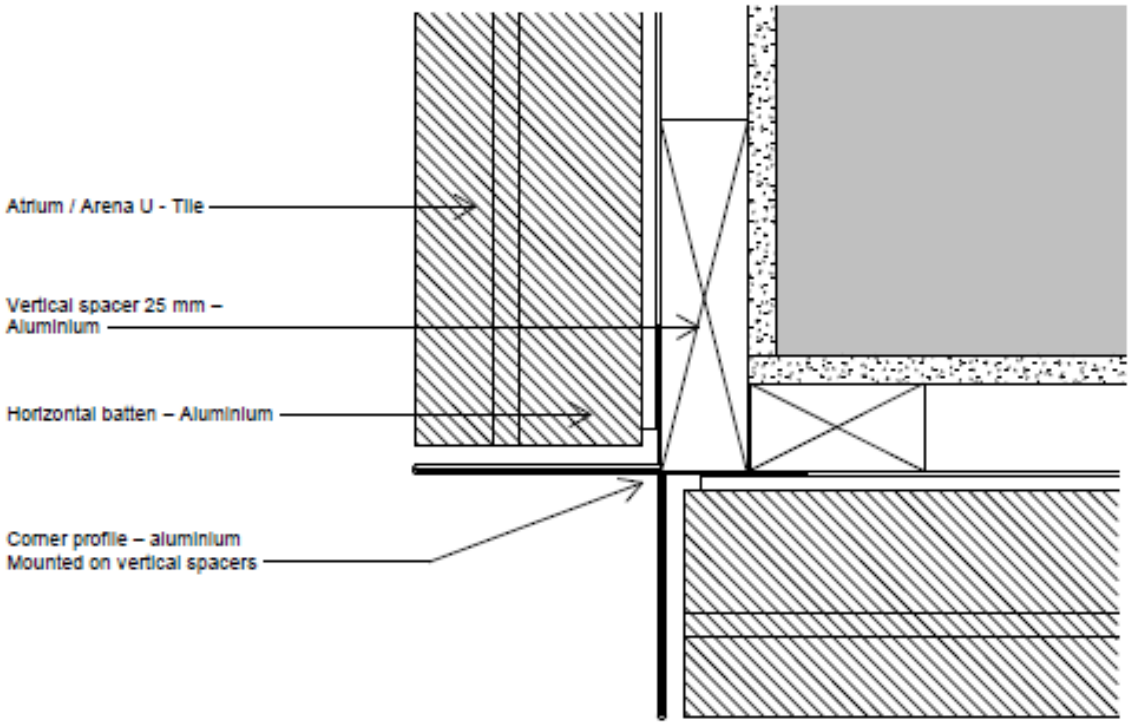


KOMPROMENT cladding kit type Vidar Ceramic	Annex 12
Installation examples Finishing/top gable	

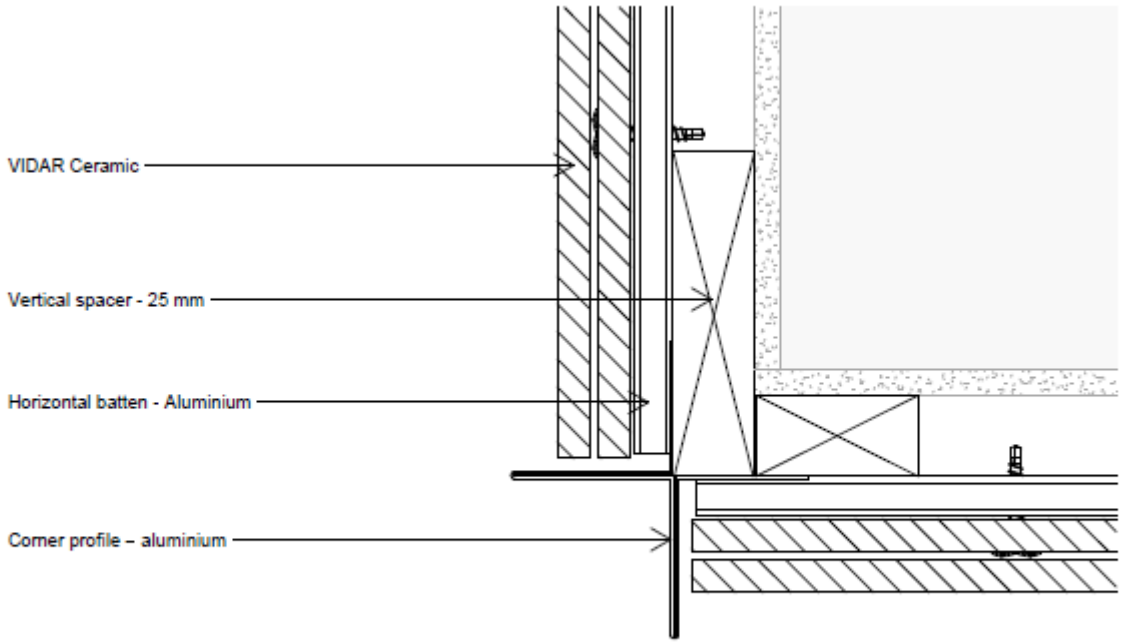


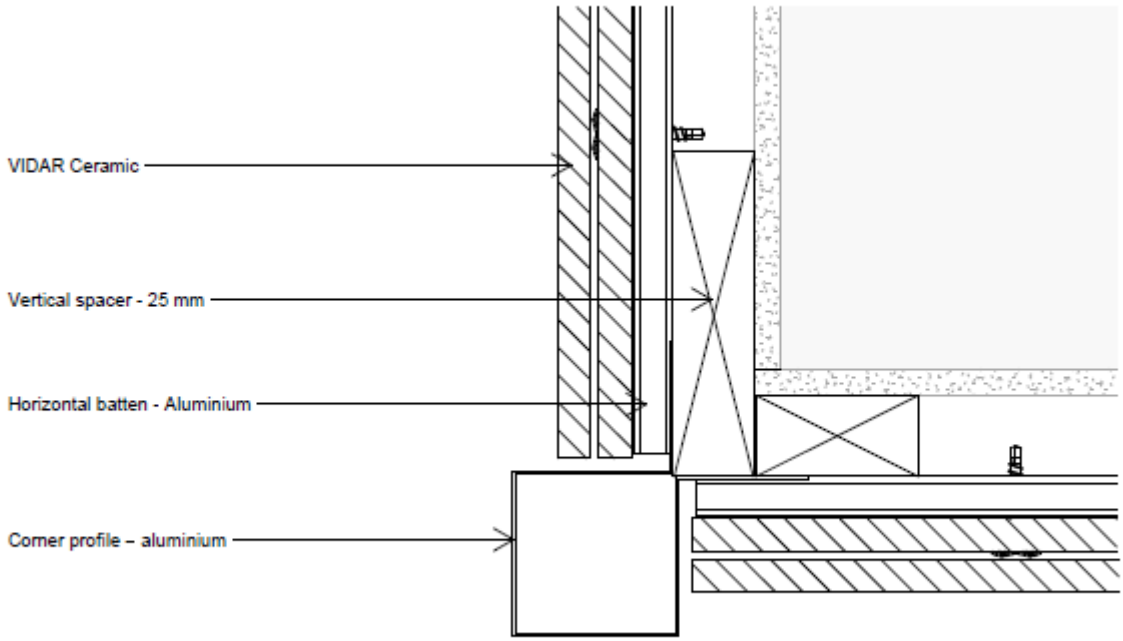
KOMPROMENT cladding kit type Vidar Clay Shingles	
Installation examples Finishing/top gable	Annex 12



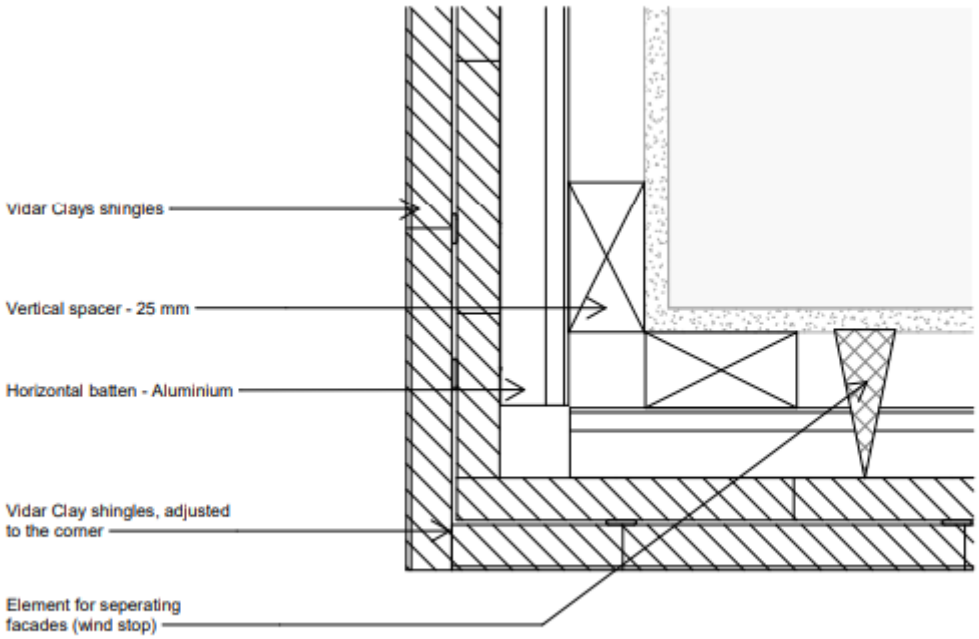


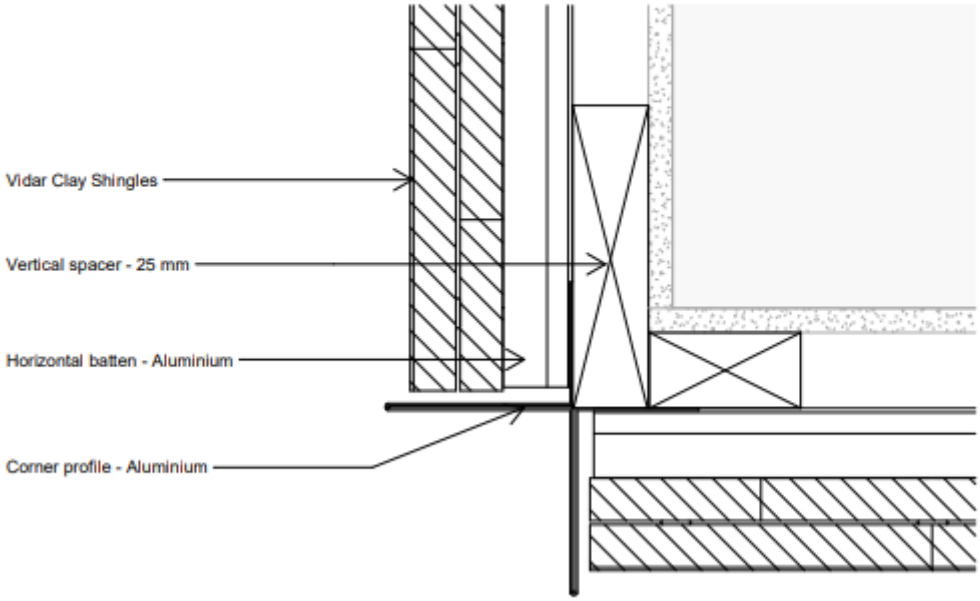
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	Annex 13
Installation examples Outside corner	



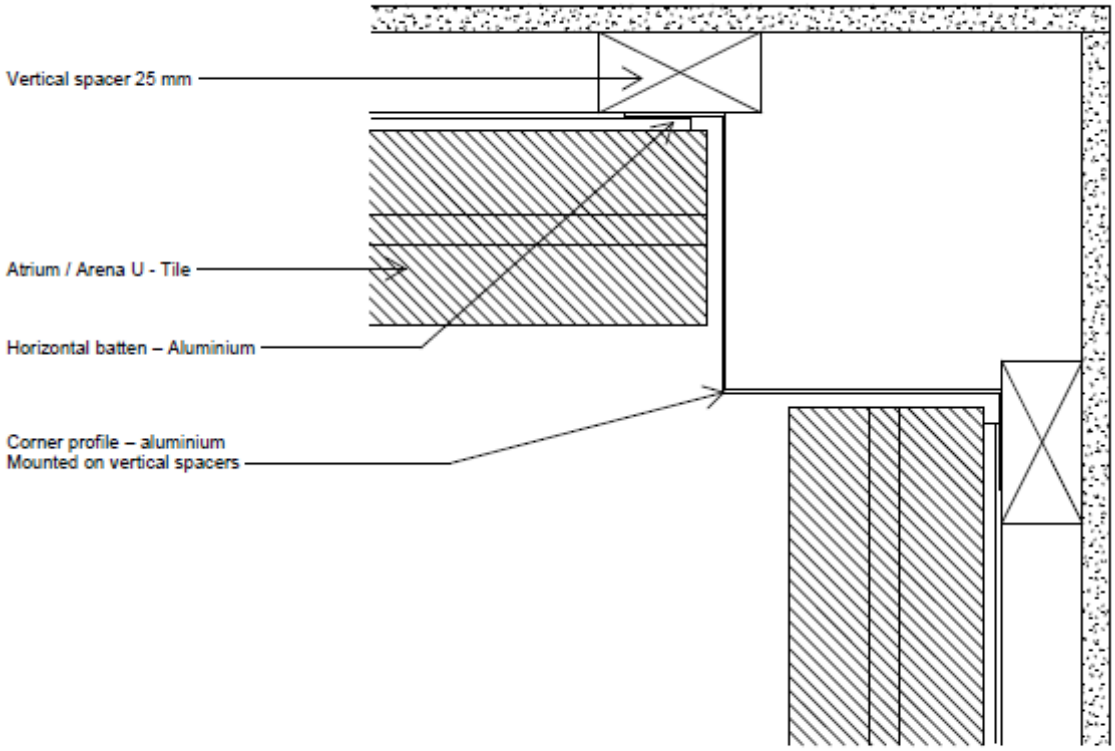


KOMPROMENT cladding kit type Vidar Ceramic	Annex 13
Installation examples Outside corner	

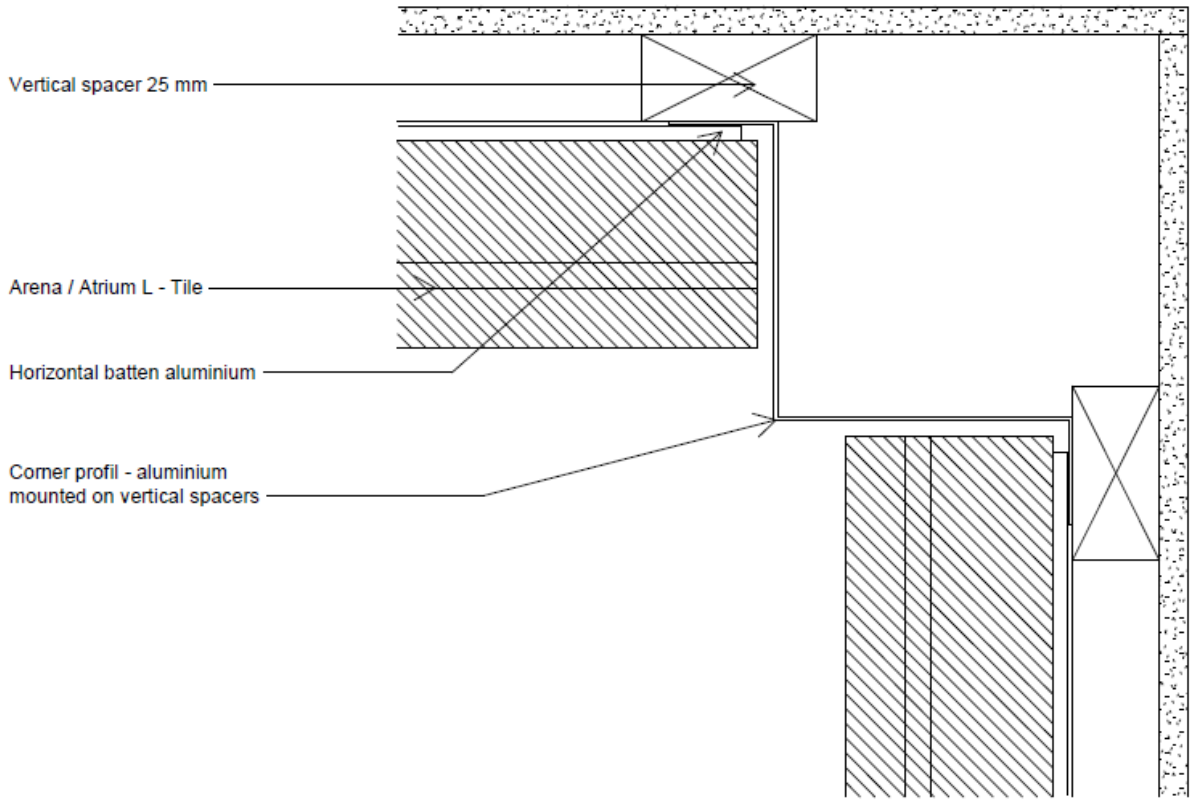




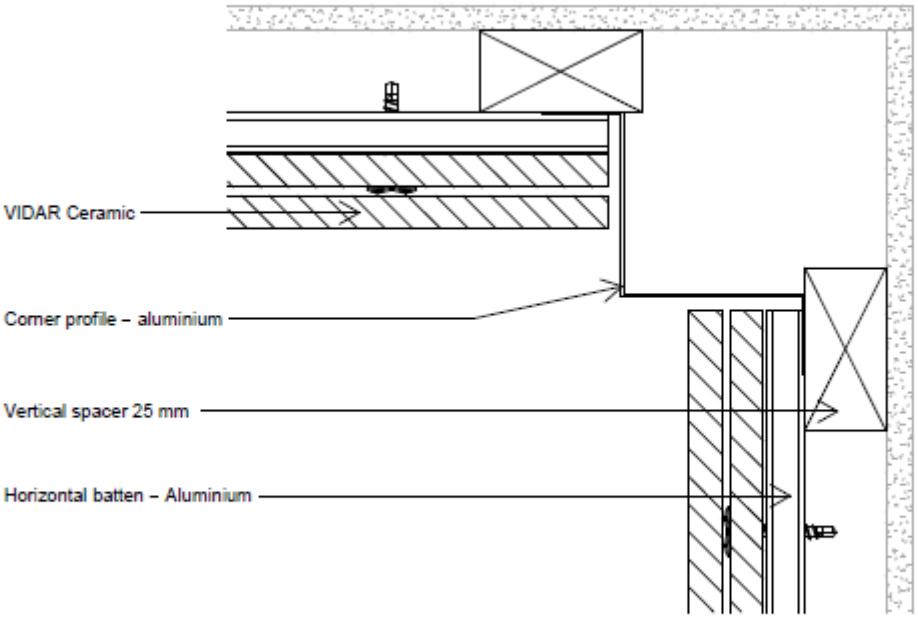
KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 13
Installation examples Outside corner	



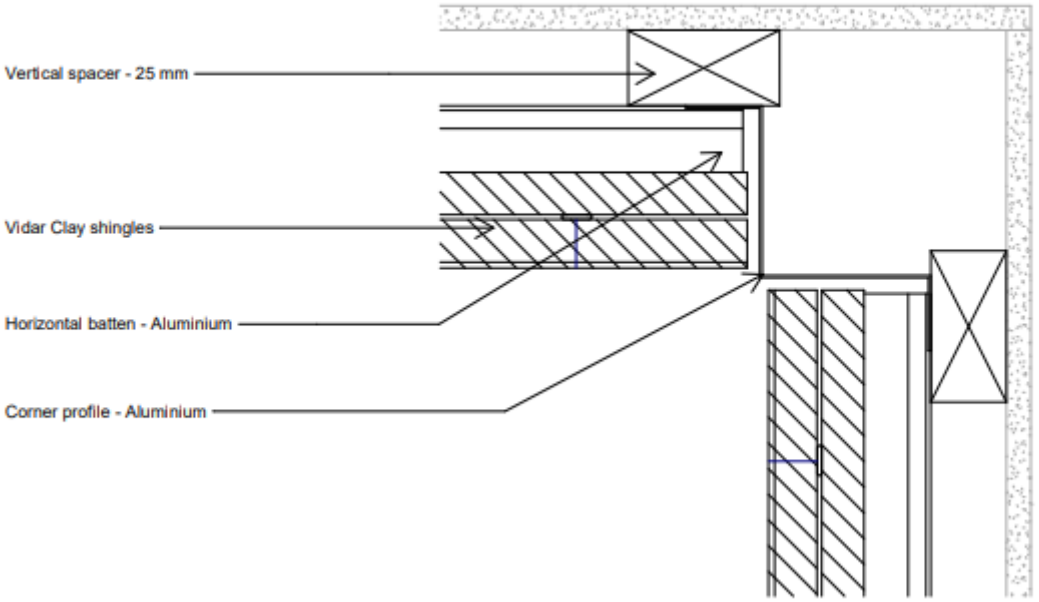
KOMPROMENT cladding kit type Arena 500/600U / Atrium U	Annex 14
Installation examples Inside corner	

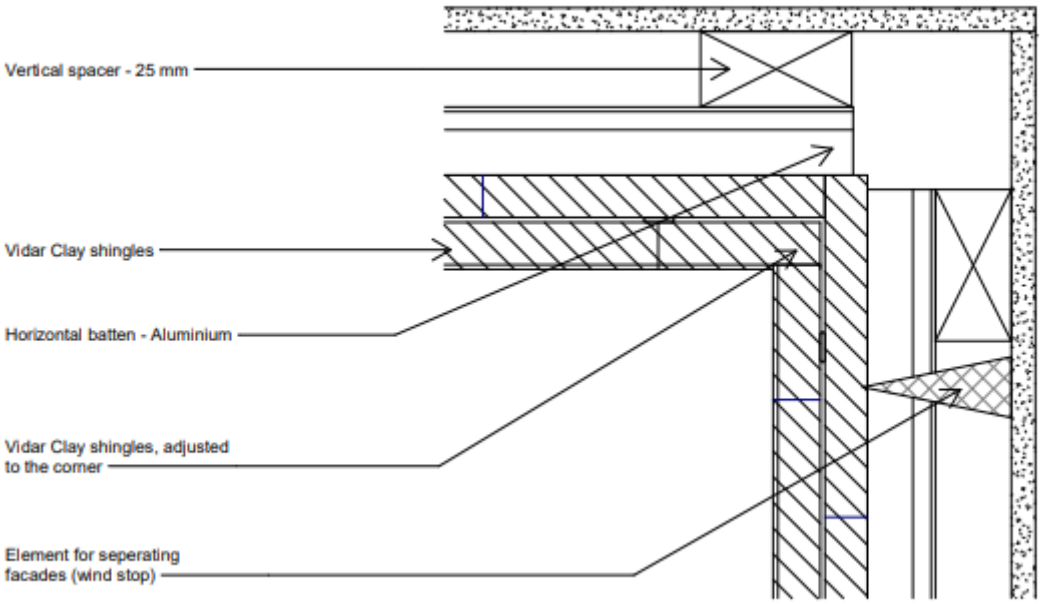


KOMPROMENT cladding kit type Arena 500/600L & Atrium L	Annex 14
Installation examples Inside corner	

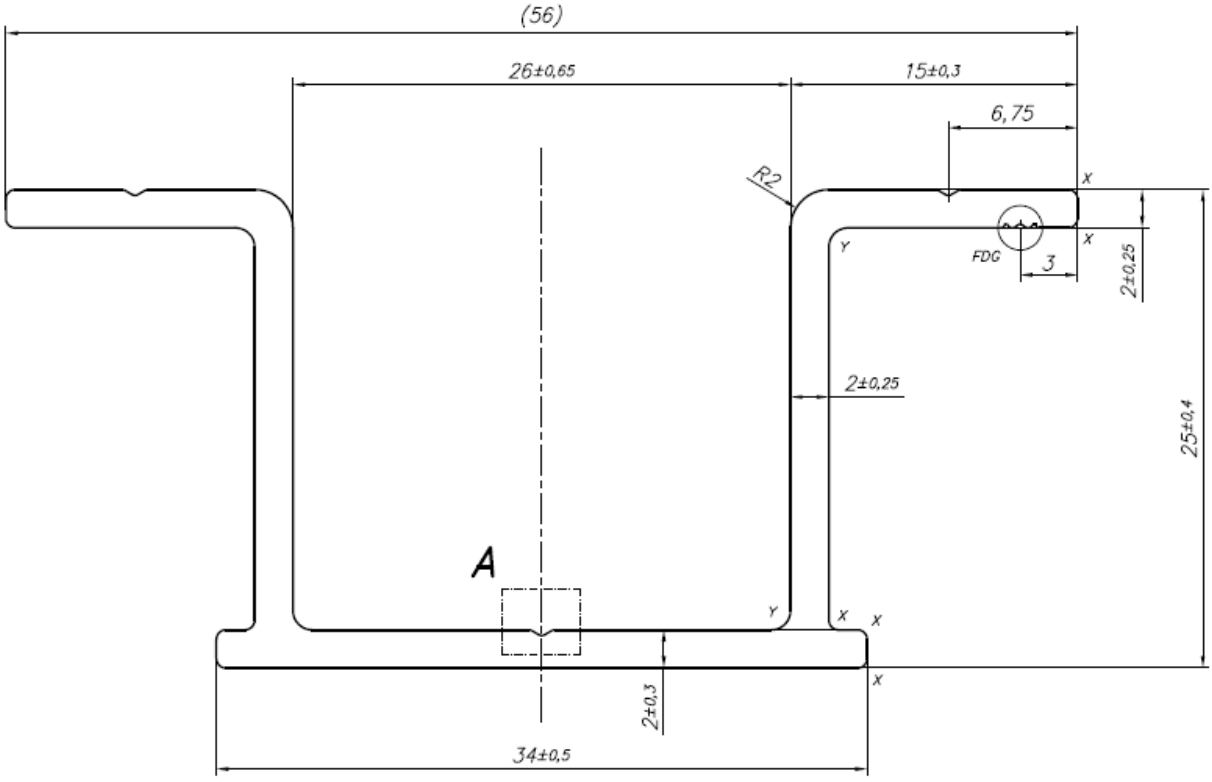


KOMPROMENT cladding kit type Vidar Ceramic	Annex 14
Installation examples Inside corner	

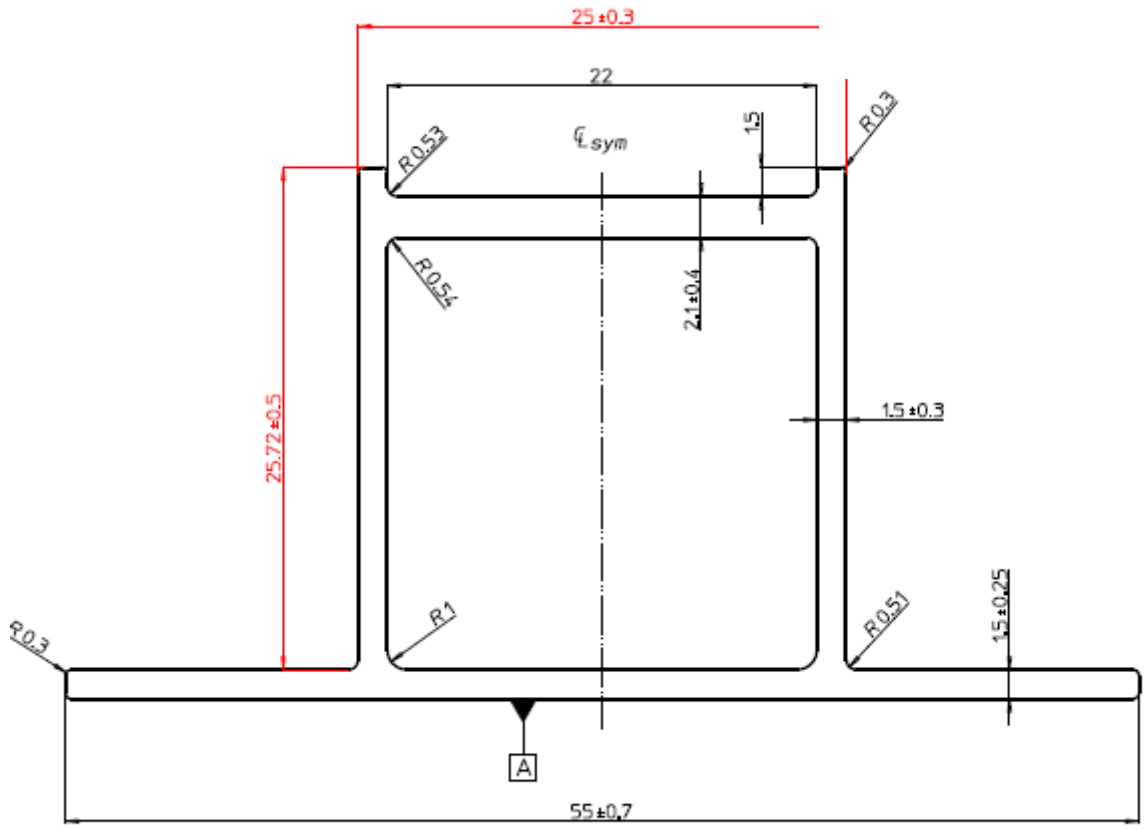




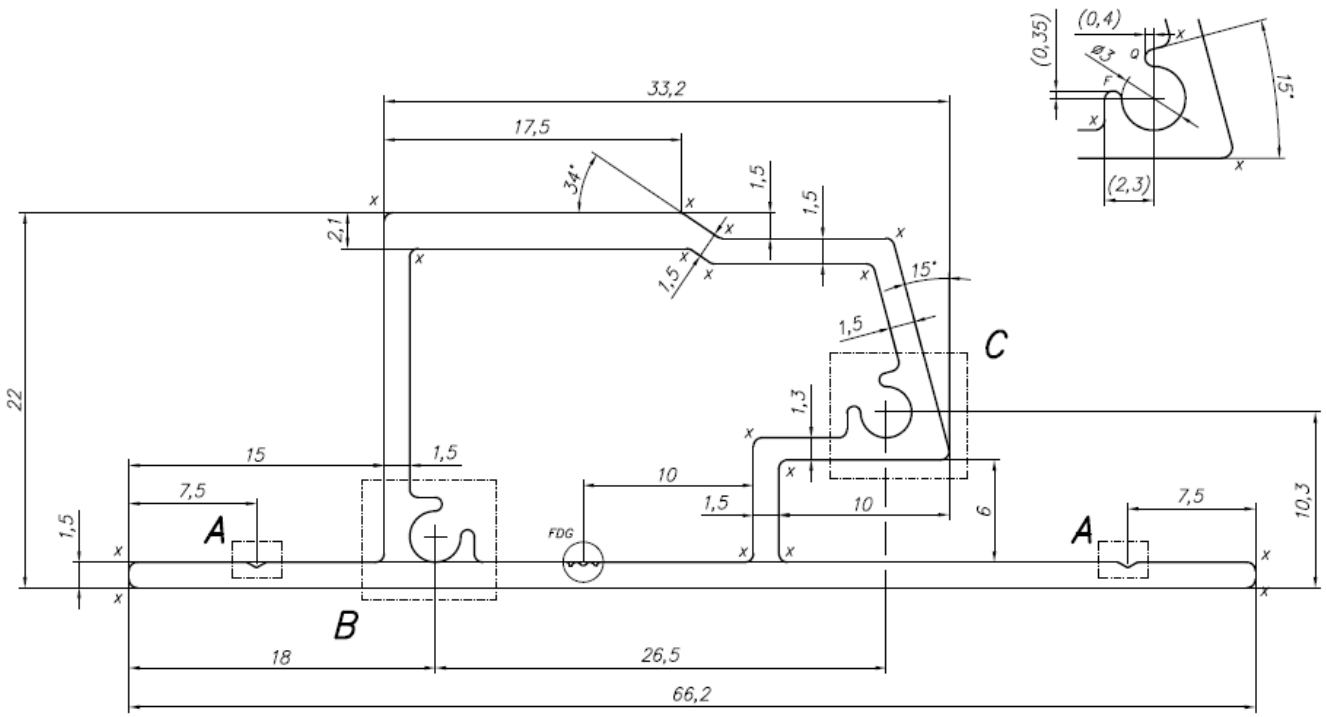
KOMPROMENT cladding kit type Vidar Clay Shingles	Annex 14
Installation examples Inside corner	



KOMPROMENT cladding kit type Arena 500/600 / Atrium	
Vertical subframe, Aluminium	Annex 15



KOMPROMENT cladding kit type Arena 500/600L; Arena 500/600 U, Atrium L & Atrium U	
Horizontal subframe, aluminium	Annex 16



KOMPROMENT cladding kit type Vidar Ceramic and Vidar Clay Shingles	
Horizontal subframe, aluminium	Annex 16

Design

The design of the external wall claddings for ventilated facades using the KOMPROMENT cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic, Vidar Clay Shingles and Concrete Cover should consider:

- It is assumed that the substrate wall meets the necessary requirements regarding the mechanical strength (resistance to static and dynamic loads) and the airtightness, as well as the relevant resistance regarding watertightness and water vapour.
- The verification of the designed system by means of calculation, taking into account the mechanical characteristic value of the kit components in order to resist the actions (dead loads, wind loads etc.) applying on the specific works. National safety factors and other national provisions must be followed.
- The selectionand verification of the brackets which support the subframe vertical profiles considering compatible materials (e.g. aluminium alloy) and the mechanical resistance (vertical and horizontal resistance) according to the envisaged actions obtained from the mechanical calculation of the designed system.
- The selection and verification of the anchors between the brackets and the external walls (substrate), taking into account the substrate material and the minimum resistance required (pull-out and shear resistance) accordint to the envisaged actions obtained from the mechanical calculation of the designed system.
- The accommondation of the designed system movements to the substrate or structural movements.
- The execution of singular parts of the façade, some examples of construction details are indicated in annex 3.
- The corrosion protection of the designed system metallic components taking into account the category of corrosivity of the atmosphere of the works (e.g. according to ISO 9223).
- The drainability of the ventilated air space between the cladding elements and the insulation layer or the external wall accordingly.
- An insulation layer is usually fixed on the external wall and should be defined in accordance with an harmonized standard or an ETA and taking into account the section 3 of this ETA.
- Because the joints are not watertight, the first layer behing the ventilated air space (e.g. insulation layer) should be composed by materials with low water absorption.

Installation

Installation of the external wall claddings for ventilated facades using the KOMPROMENT cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic; Vidar Clay Shingles and Concrete Cover should be carried out:

- According to the specifications of the manufacturer and using the components specified in this ETA.
- In accordance with the design and drawings prepared for the specific works. The manufacturer shoud ensure that the information on these provision is given to those concerned.
- By appropriately qualified staff and under the supervision of the technical responsible of the specific works.

Maintenance and repair

Maintenance of the external wall claddings for ventilated facades using the cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic; Vidar Clay Shingles and Concrete Cover includes inspections on site, taking into account the following aspects:

- Regarding the cladding elements, the apperance of any damage souch as cracking, detachment, delamination and mould presence due to permanent moisture or permanent irreversible deformation.
- Regarding metallic componnets: The presence of corrosion or presence of water accumulation.

When necessary, any repair to localized damaged areas must be carried out with the same components and following the repair instructions given by the manufacturer.

KOMPROMENT cladding kit type Arena 600U / Atrium U; Arena 500L; Arena 500U; Arena 600L / Atrium L; Vidar Ceramic; Vidar Clay Shingles and Concrete Cover	Annex 17
Design, installation, maintenance, and repair criteria	