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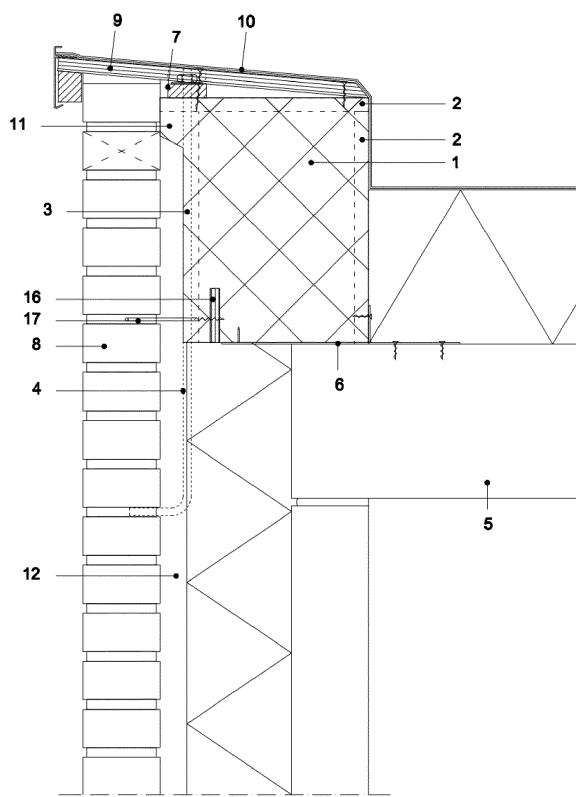
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(54) Insulated roof edge

(57) An insulated roof edge solution for flat roofs or concealed gutters with the characteristic that it can be used to construct roof edges without a cold bridge. The product incorporates reinforced strips for a structural link between the product and the roof construction, whether

or not with the corresponding connection plate. The product also includes a provision to seal the air cavity. The product also integrates the possibility of reinforcing the outer leaf.

Fig. 6



Description

BRIEF DESCRIPTION

[0001] A roof edge solution characterized in that it is made of a piece of insulation material provided with reinforced strips. The product can be used to avoid linear cold bridges. It also includes provisions to reinforce the outer façade. 5

PRODUCT DESCRIPTION

[0002] The invention concerns an insulated roof edge solution for flat roofs or integrated gutters connected to the exterior leaf of a façade. 10

PROBLEM DESCRIPTION

[0003] The current solutions to create an upstand at the location of a roof edge no longer satisfy the future requirements for energy-efficiency. Furthermore, the current solutions are not structurally optimal. 15

EXISTING SOLUTIONS

[0004] The existing solution that is commonly used in practice is to create an upstand at the roof edge by means of: a cellular concrete, b brick combined with cellular glass, c insulated wooden framing in combination with insulation. 20

[0005] No patent publications on these solutions are known. 25

DISADVANTAGE

[0006] A disadvantage is that with the current solutions, the reinforcement of the outer leaf is not considered; in practice the top stones are often loose. 30

SOLUTION ACCORDING TO THE INVENTION

[0007] The purpose of the invention is to create a product with which cold bridges are not formed, and which integrates the possibility of reinforcing the outer leaf. 40

[0008] This purpose is met by the features of claim 1. 45

[0009] Advantageously this results in an uninterrupted insulation line between the roof insulation and the façade insulation, resulting in absence of such a linear cold bridge. 50

[0010] Furthermore the air cavity between outer leaf and insulation is closed at the top, as a result of which moist air can no longer be trapped and condensed in the top of the air cavity. 55

[0011] The invention will be described further below on the basis of the following figures.

Figs. 1, 2 and 3 show an image of the complete product.

Figs. 4 and 5 show the different components of the product, drawn separated from each other. 60

Fig. 6 shows an architectural detail, in which the product is used in combination with roof trim. 65

Fig. 7 shows an architectural detail, in which the product is used in combination with a wall covering. 70

Fig. 8 shows an anchor which is separately drawn from the product for application in the product. 75

[0012] The product is built up of isolation 1 and reinforcement strips 2. The product has a widening 11 at the top side and a groove 3. 80

[0013] The corresponding anchor or truss, c.q. connection means or connection plate 6 is built up of three lips. One lip 15 provides reinforcement to the ground 5 by means of fasteners. One lip 14 provides fastening to the reinforcement strip 2 by means of fasteners. And one lip is provided with a pin 13. The lip with the pin supports the positioning of the product, and the pin eases the positioning en prevents the product from shifting caused by wind or other external influences before fastening the product to the lip 14. 85

[0014] Because the product is primarily made up of insulation 1, cold bridges are prevented. The reinforcement strips 2 provide the mechanical properties of the product; this can also easily be used to connect a number of the products using a linking strip 7. The widening 11 at the top is included in the product to seal the top of the air cavity 12 by contacting the outer leaf 8 against the thickening 11. Grooves 3 made in the insulation 1 make it possible to install a standard tie-down rod 4 easily. This tie-down rod 4 can be used to anchor the cover plate 9. 90

[0015] The product is suitable for all types of flat roofing materials 10. 95

[0016] In order to tie masonry to the product reinforcement strips 16 can be provided with wall ties 17, in case the selected isolation 1 is not suited for screwing therein, which strips may lie deepened in the product. 100

Claims

1. Product for use with flat roofs and integrated gutters at the joint with the outer leaf, **characterised in that** the product is made of insulation material and used in order to avoid cold bridges, and which product has a widening for closing the air cavity between outer leaf and insulation. 105
2. Product according to conclusion 1, **characterised in that** the product is provided with reinforcement strips which provide the mechanical characteristics of the product. 110
3. Product according to claims 1 or 2, **characterised in that** the product is provided with a groove that permits a tie-down rod to be provided through. 115

4. Product according to any one of the claims 1-3, **characterised in that** the product is equipped to be tied to masonry.
5. A connection means with which the product of any one of the claims 1-4 can be installed, **characterised in that** the connection means has a provision for fastening to the ground and to the product by means of fastening means. 5
6. A connection means according to claim 5, **characterised in that** the connection means has a provision for the purpose of supporting the product. 10
7. A connection means according to claim 5 or 6, **characterised in that** the connection means has a provision for a fastening to the product by means of a pointed feature integrated in the connection means. 15

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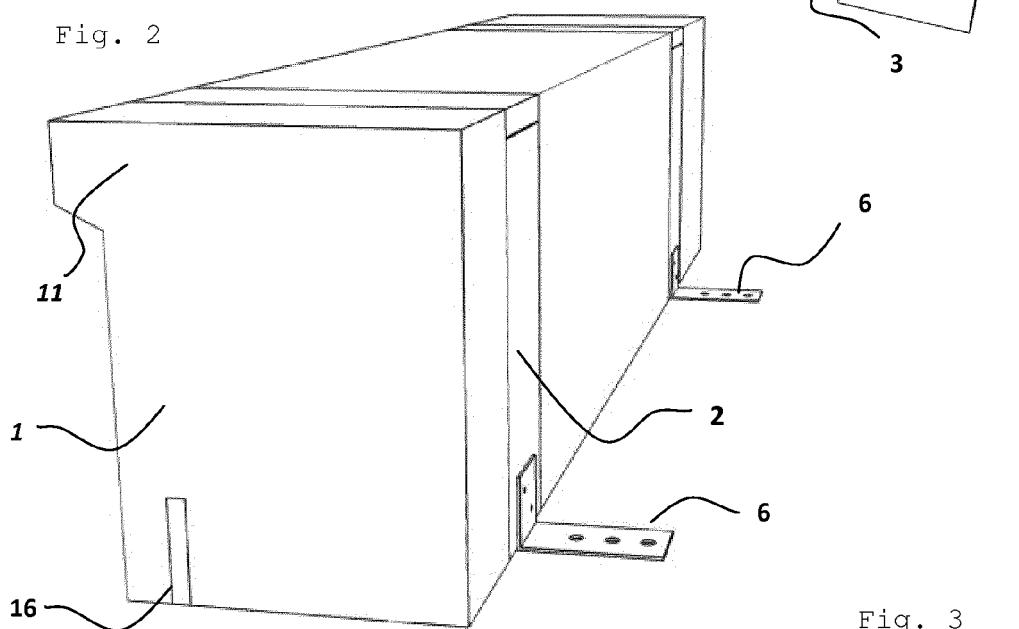
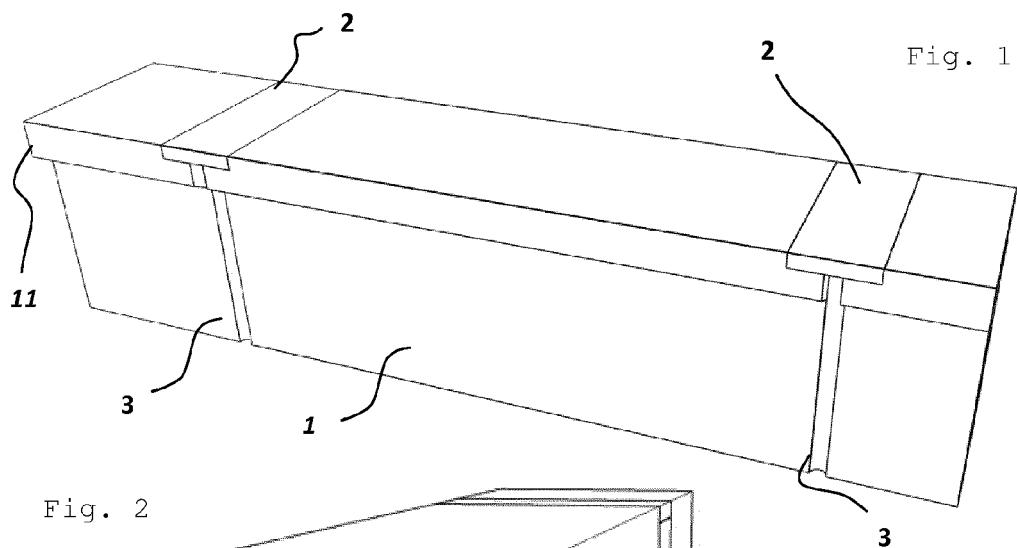
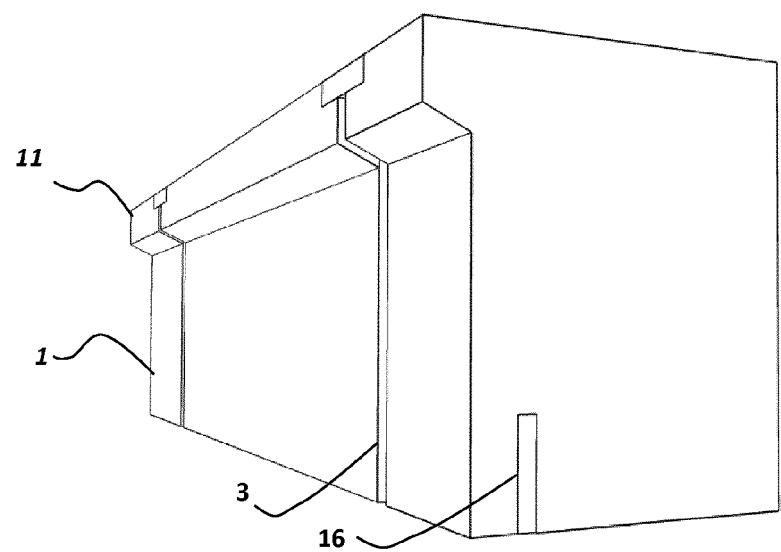


Fig. 3



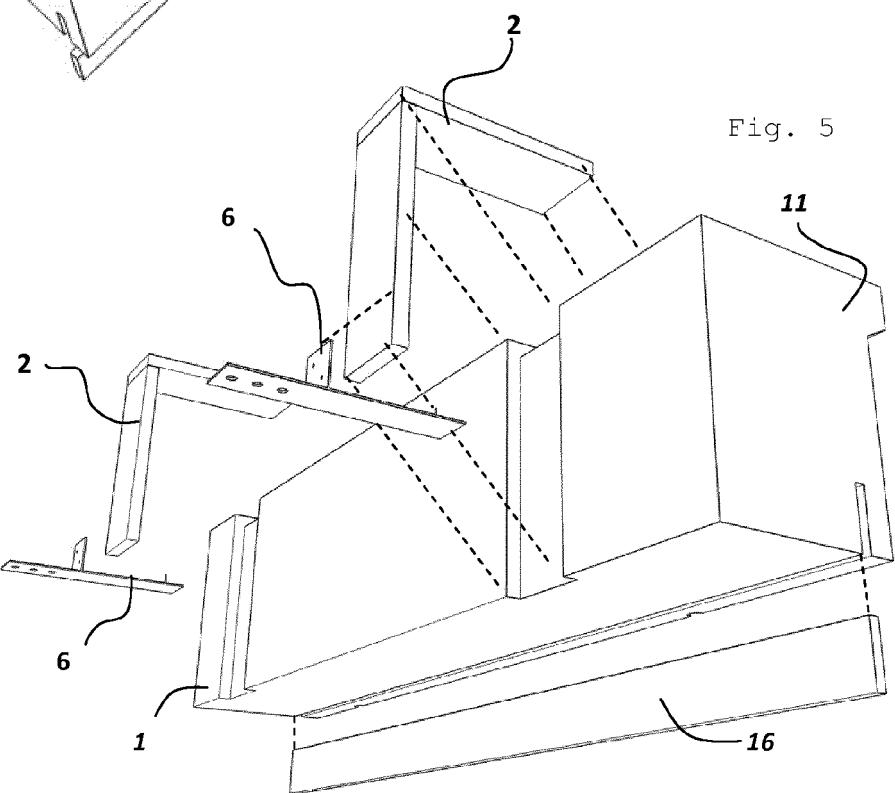
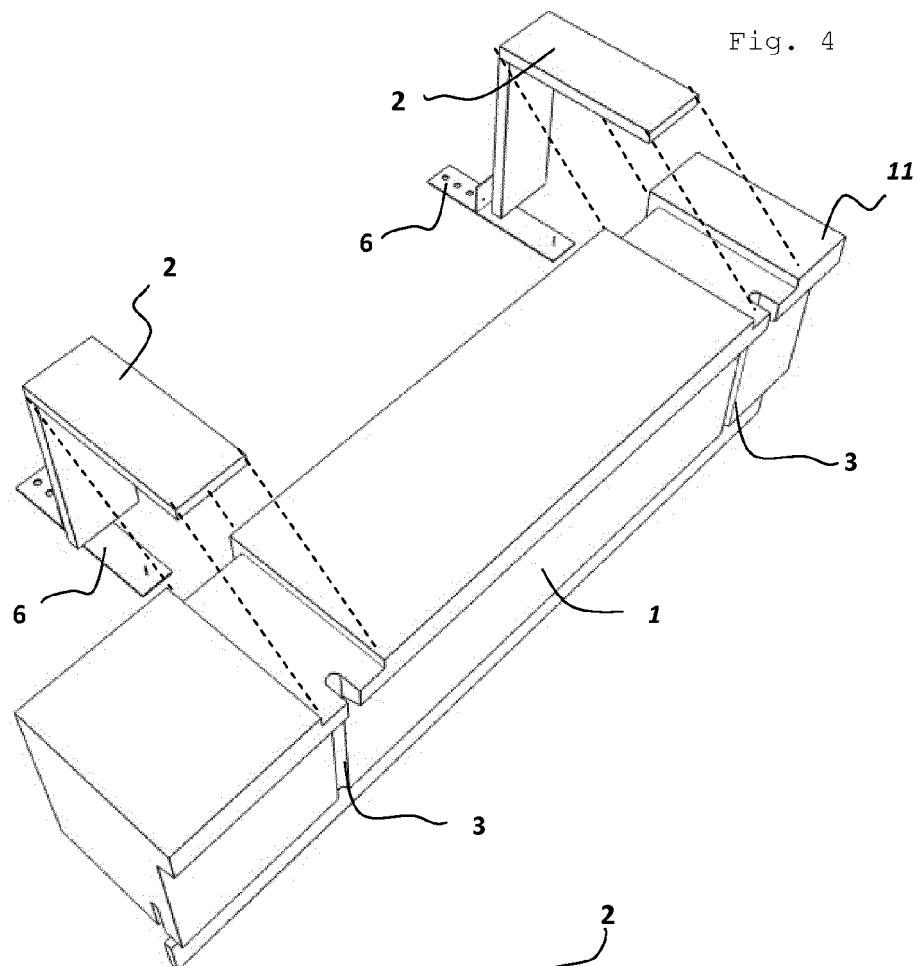


Fig. 6

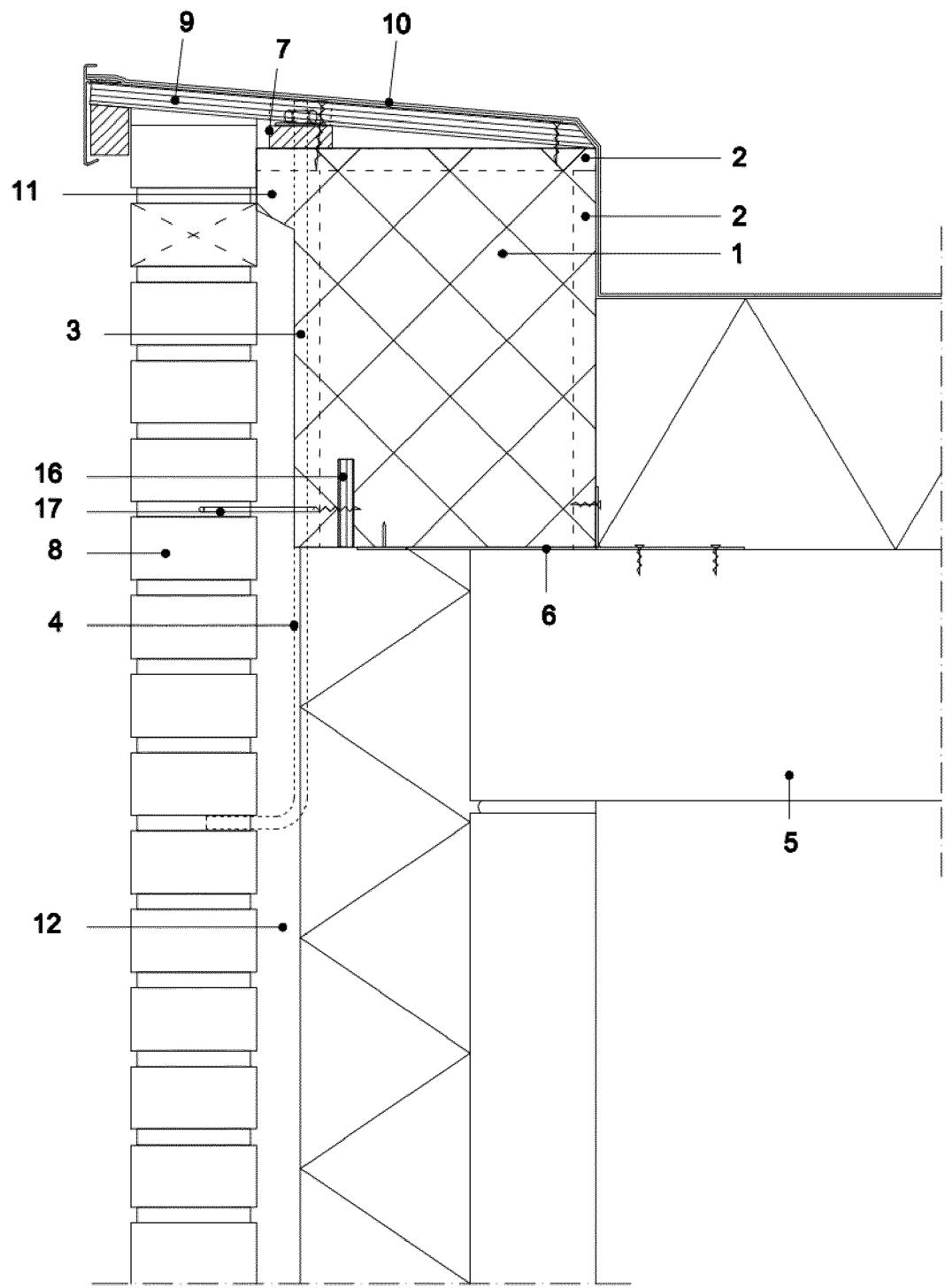


Fig. 7

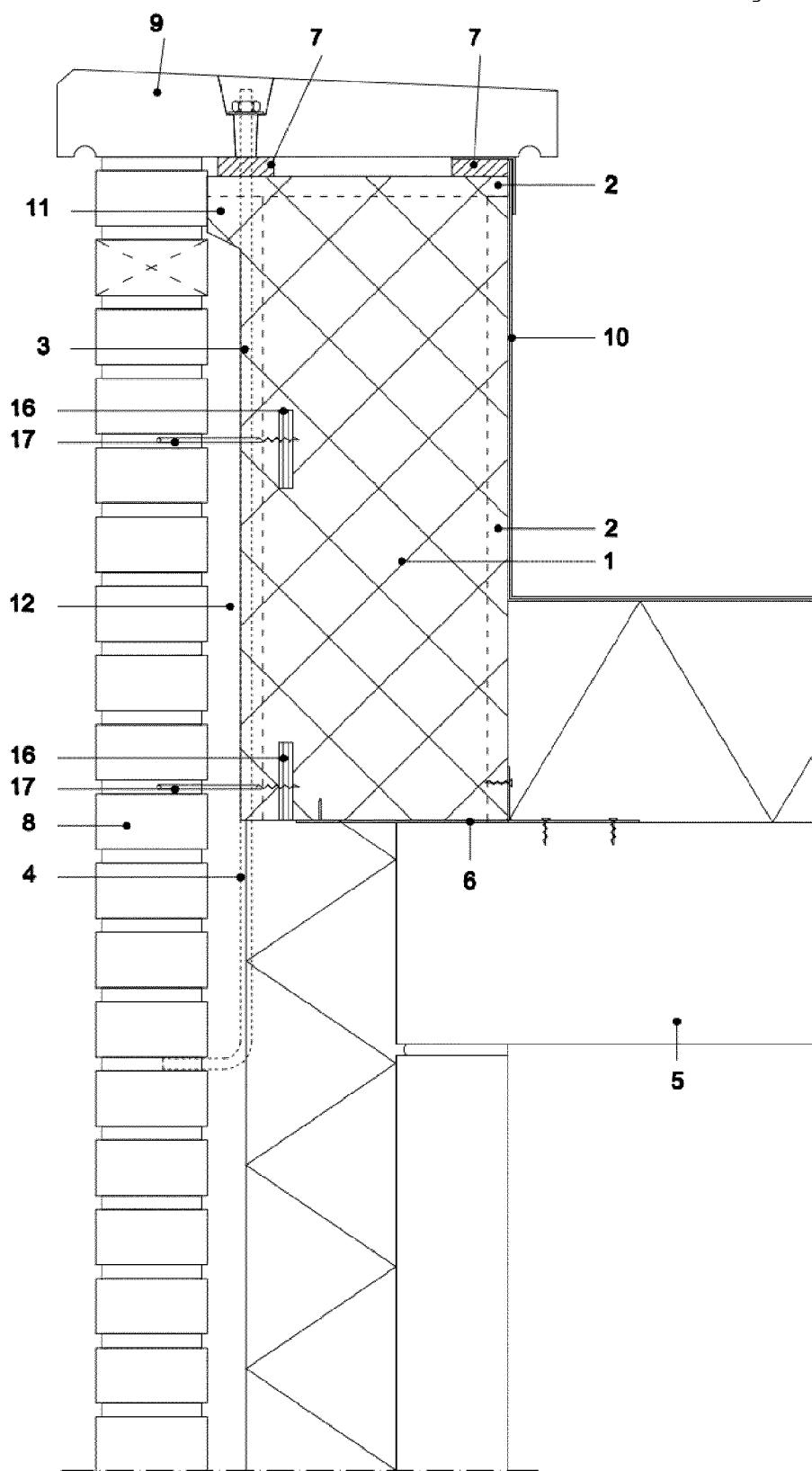


Fig. 8

