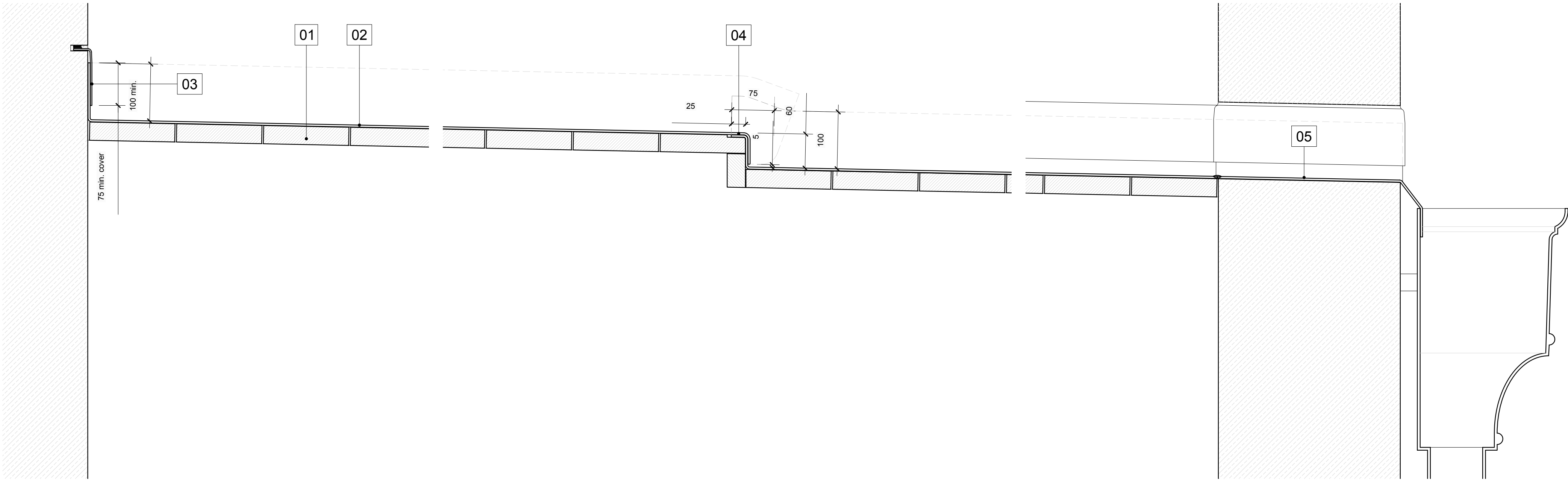
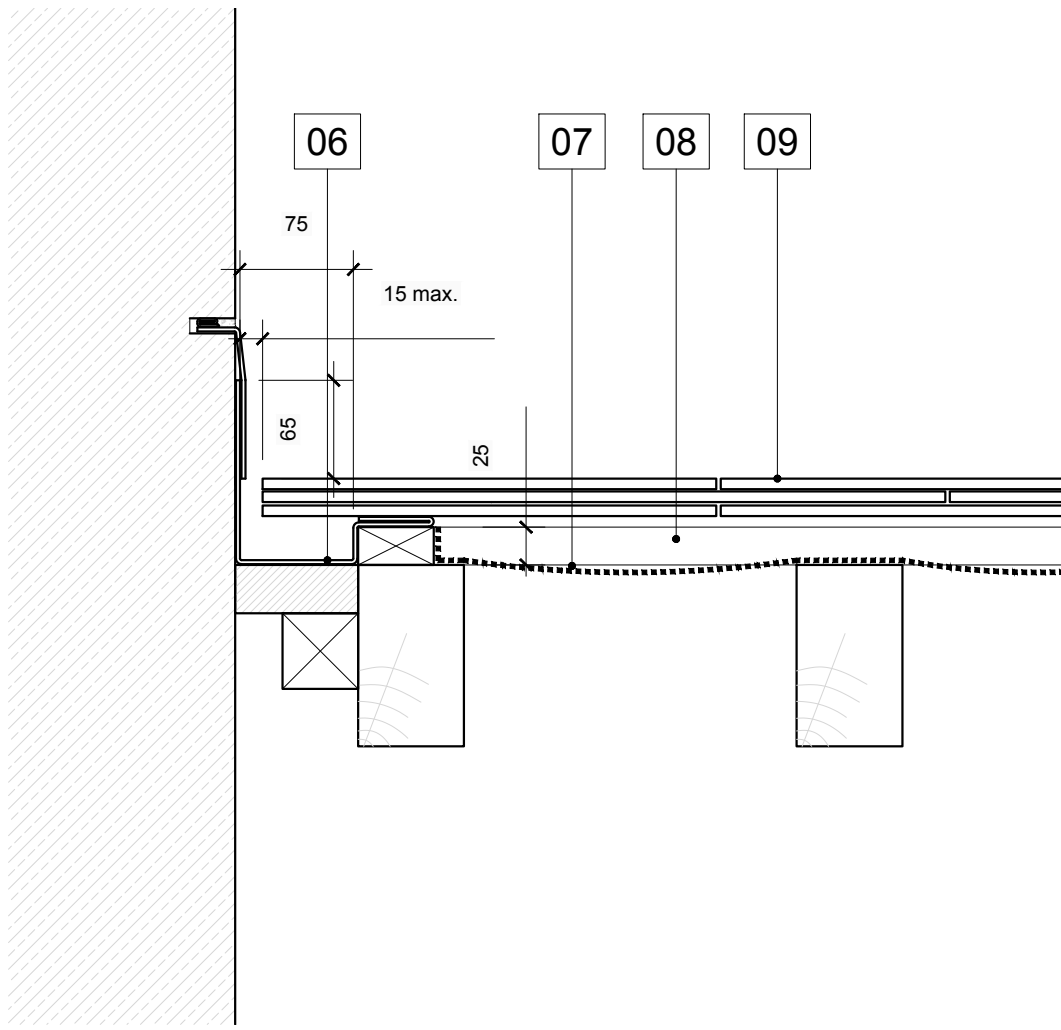




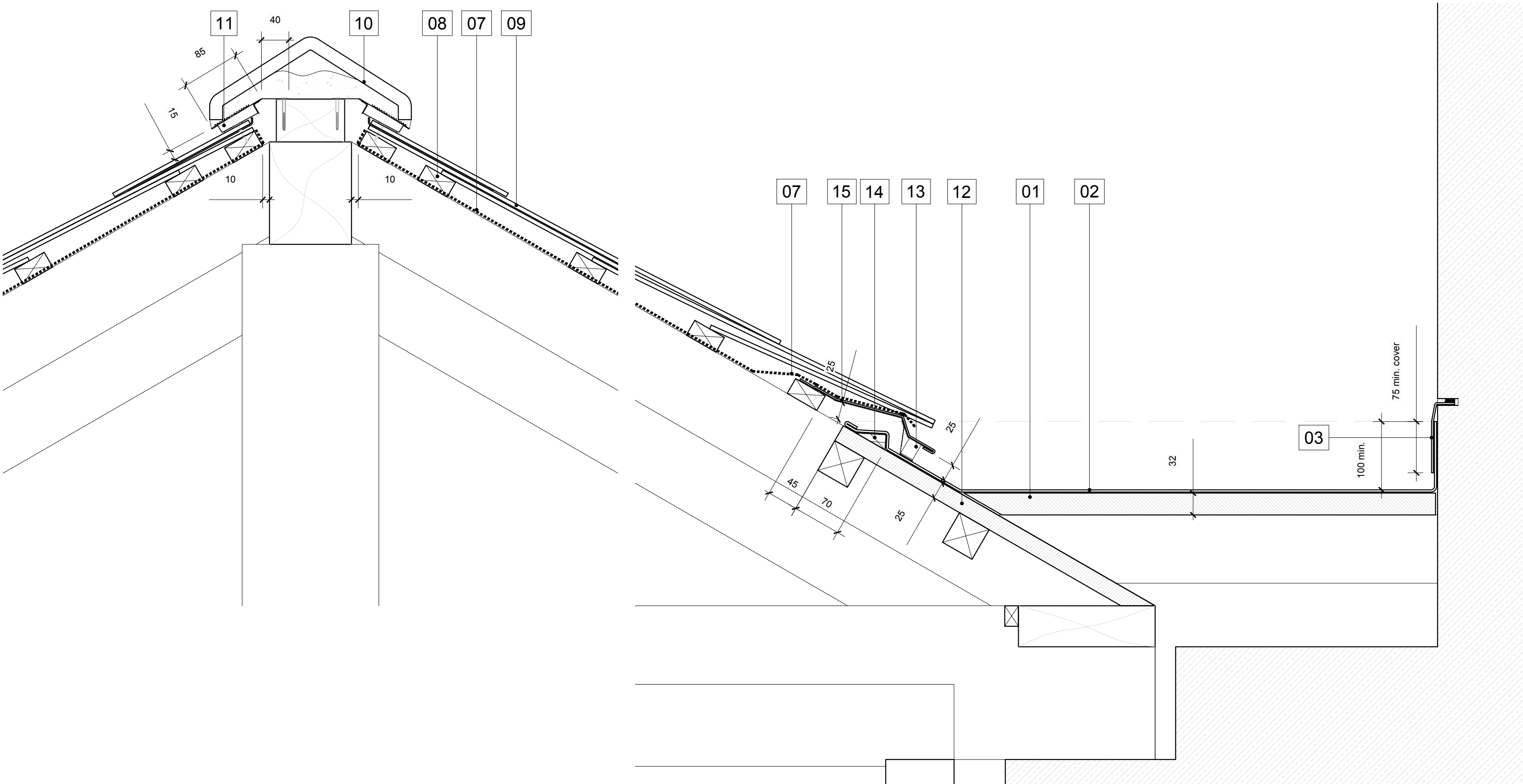
1 HEAD OF LEAD GUTTER FLASHING DETAIL
(40)04 1:5

2 LEAD GUTTER STEP DETAIL
(40)04 1:5

3 LEAD GUTTER OUTLET DETAIL
(40)04 1:5

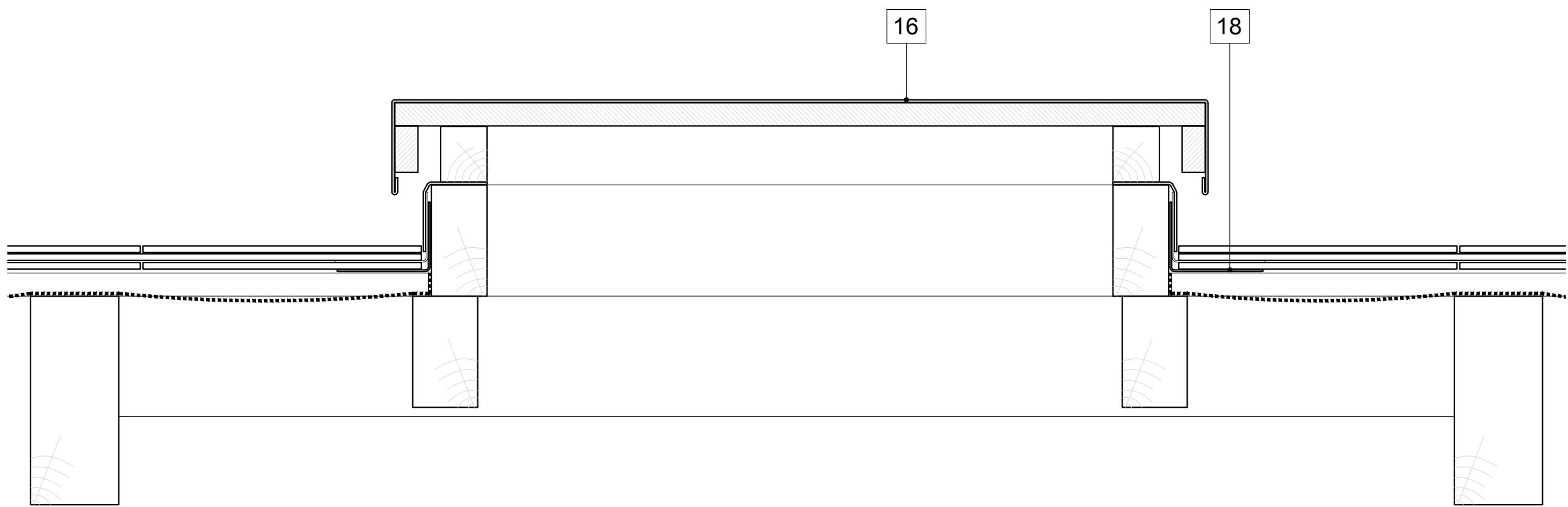


4 LEAD SECRET GUTTER ABUTMENT DETAIL
(40)04 1:5

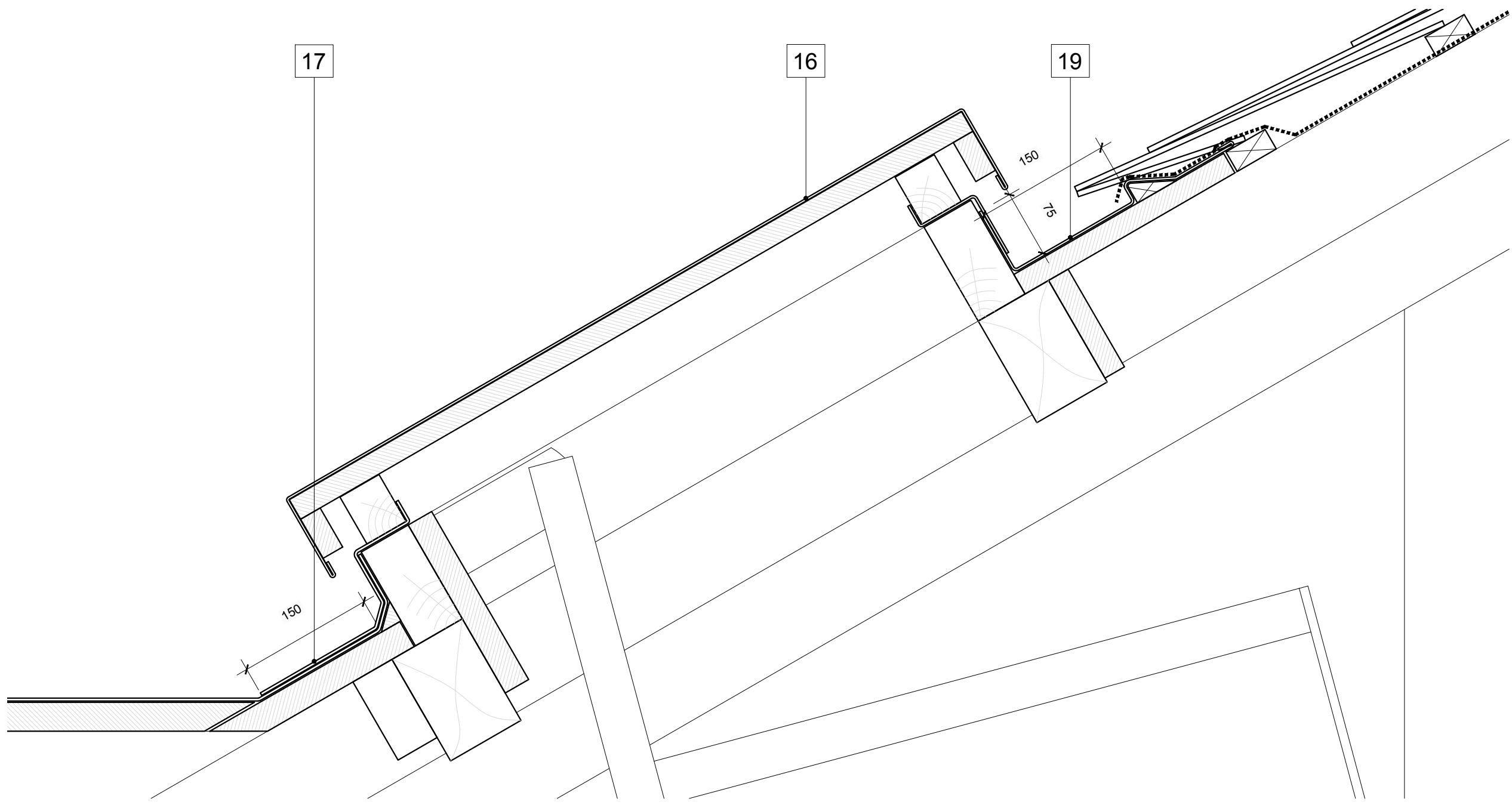


5 SLATE ROOF RIDGE DETAIL
(40)04 1:5

6 LEAD GUTTER DETAIL
(40)04 1:5



7 ROOF HATCH LONG-SECTION DETAIL
(40)04 1:5



8 ROOF HATCH CROSS-SECTION DETAIL
(40)04 1:5

NOTES TO DRAWING

General: All new leadwork to BS EN 12588 to be fitted in accordance with BS 6915 and the recommendations of the LSA (as defined and illustrated in 'Rolled Lead Sheet' - The Complete Manual and to NBS H71 Specification.

Fixings - Wedges: All lead wedges are to be 20-25mm wide, folded several times to suit the thickness of the joint. Wedges are to be driven into existing joints using a hammer and plugging chisel. Spacings should not exceed 450mm.

Fixings - Clips: The free edge of any lead flashing should be adequately clipped to prevent lifting and distortion in high wind conditions. Clips are to be fixed at the top and bottom to provide effective resistance to wind lift. Clips are to be 0.7mm thick tinned copper or 0.46mm stainless steel sheet and spaced between 300 and 500mm centres. Clips are to have a 6mm minimum expansion gap from the bottom of the supported free edge.

1) New ex 150 x 32mm treated SW timber boards to be penny gap and installed to a 1:50 fall minimum.

2) H71: Code 7 lead gutter installed over new SW timber boards with minimum 100mm upstand at the gutter head. Maximum 2500mm between drips.

3) H71: Code 6 lead cover flashing with minimum 75mm cover over the lead upstand and not to exceed 1.5m in length.

4) H71: 60mm drip without splash lap to be formed at gutter drips.

5) H71: Code 7 lead lining to be lead welded to the main gutter on the internal side of the chute outlet. Chute section to be loosely fitted at the sides to allow for thermal movement. Lead to be dressed over the new hopper externally and lead flashings to be a minimum of 100mm wide.

6) H71: Abutments in the gable walls (east and west elevations) to include an abutment flashing with secret gutter. Gutter linings not to exceed 1.5m in length and to be 75mm wide with a timber sole to support the lead linings. Gutter depth to be 25mm deep and lead terminated with a welt. Lead upstand to be not less than 65mm above the pitch of the roof and a Code 6 lead cover flashing installed with minimum 100mm cover and not to exceed 1.5m in length.

7) H62: Permavent Dry+ breather membrane installed over existing rafters.

8) H62: 25 x 50mm SW treated battens over breather membrane.

9) H62: 600 x 300mm Penrhyn County Welsh Slate roof coverings to be nail fixed to battens.

10) H62: Existing ridge tiles to be set aside and rebbed in NHL5 lime mortar as Z21.

11) H62: Nicholson Airtrack RTV Ridge Ventilator to be installed below the ridge, with Airtrack LPS 225 Low Pitch Soaker below the top course of slates. Underlay membrane to be stopped short leaving 10mm between the last batten and ridge beam to allow a ventilation path.

12) ex 25 x 150mm SW treated boards with penny gap sapings installed between the rafters at the base of the roof slope abutment. Tops of boards to be laid flush with the tops of the rafters and supported on timber joists internally.

13) H62: Nicholson Airtrack LB30 Layboard Ventilator to provide 25mm continuous ventilation at the eaves. Vinyl coated GRP insect mesh to be installed on the external face of the vent.

14) H62: 25mm SW treated timber batten fillet to receive Code 7 lead gutter where dressed 150mm up face of the roof slope. Lead to be finished in a welt where it terminates.

15) H71: Code 5 lead flashing to be installed over the eaves ventilator and breather membrane to be dressed over the flashing and below the slate coverings.

16) L20: New Bilco S-50TB roof hatch. Allow provisional sum of £1,200 for new hatch and trimming of the roof to receive new hatch.

17) H71: Code 6 front apron to be installed down slope of the roof and dressed over lead gutter. Code 7 lead gutter to form an upstand against the roof hatch timber upstand and below the new lead apron.

18) H71: Code 4 lead soakers to be installed at the side abutments with 75mm upstand minimum. Code 6 lead cover flashings to be dressed down the face to provide 100mm cover minimum and not to exceed 1.5m in length.

19) H71: Code 6 back gutter to be formed behind the roof hatch with Code 6 lead cover flashing. Cover flashings not to exceed 1.5m in length.

Do not scale for construction purposes. The contractor shall check and verify all dimensions on site before ordering any components or fittings and any such are to be installed to the manufacturer's recommended details. Please note that these Building Regulations drawings show design intent only and construction is the responsibility of the contractor. All drawings are copyright of DNV Architects and shall not be reproduced without their consent.

Studios 12-13, 9 Bath Buildings, Bristol, BS6 5PT
E info@dnva.co.uk W www.dnva.co.uk T 0117 914 8317

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Client
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1:5 @ A1

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dittrichhudsonvasettiarchitects

Roof Level Details
as Proposed