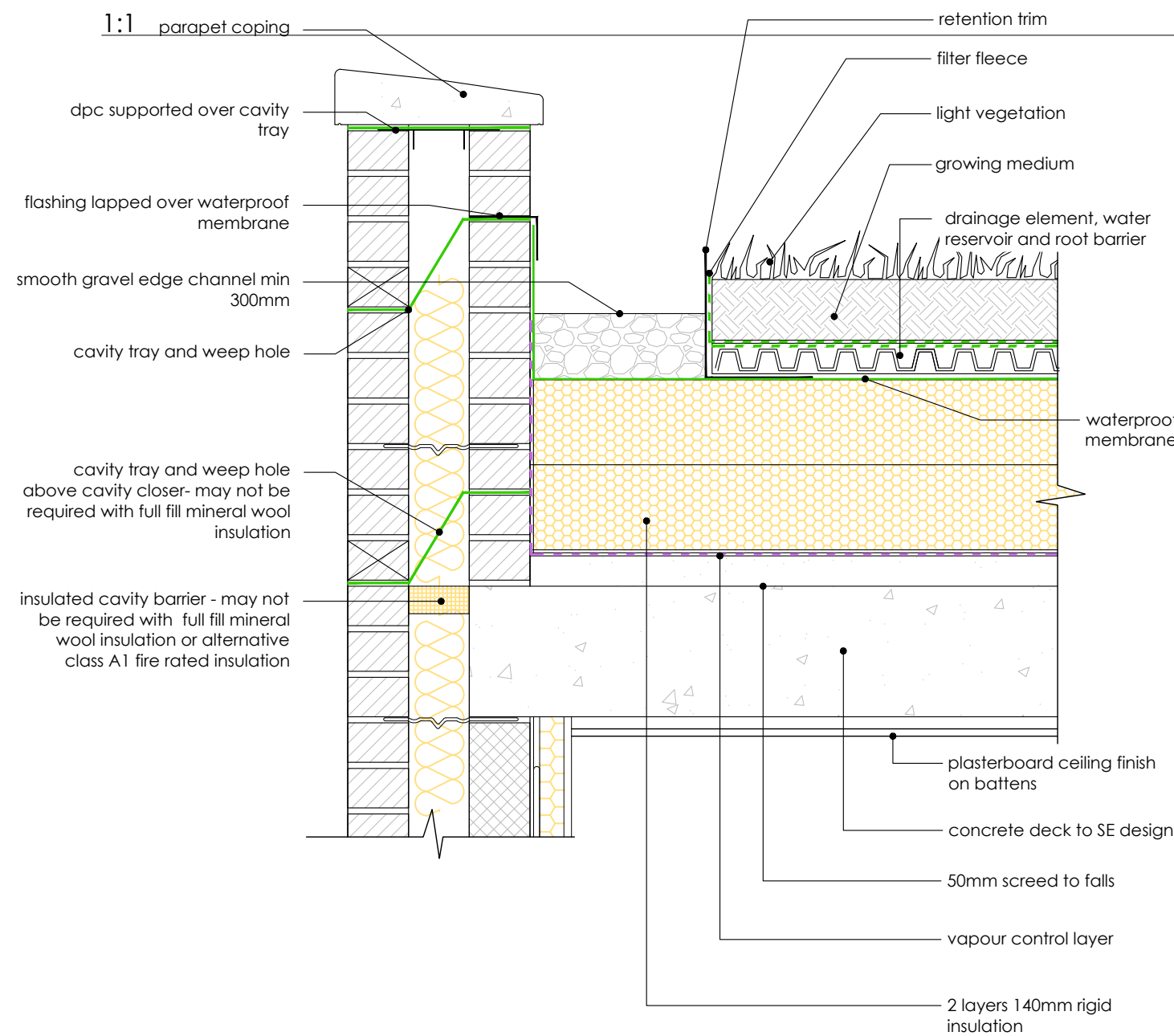
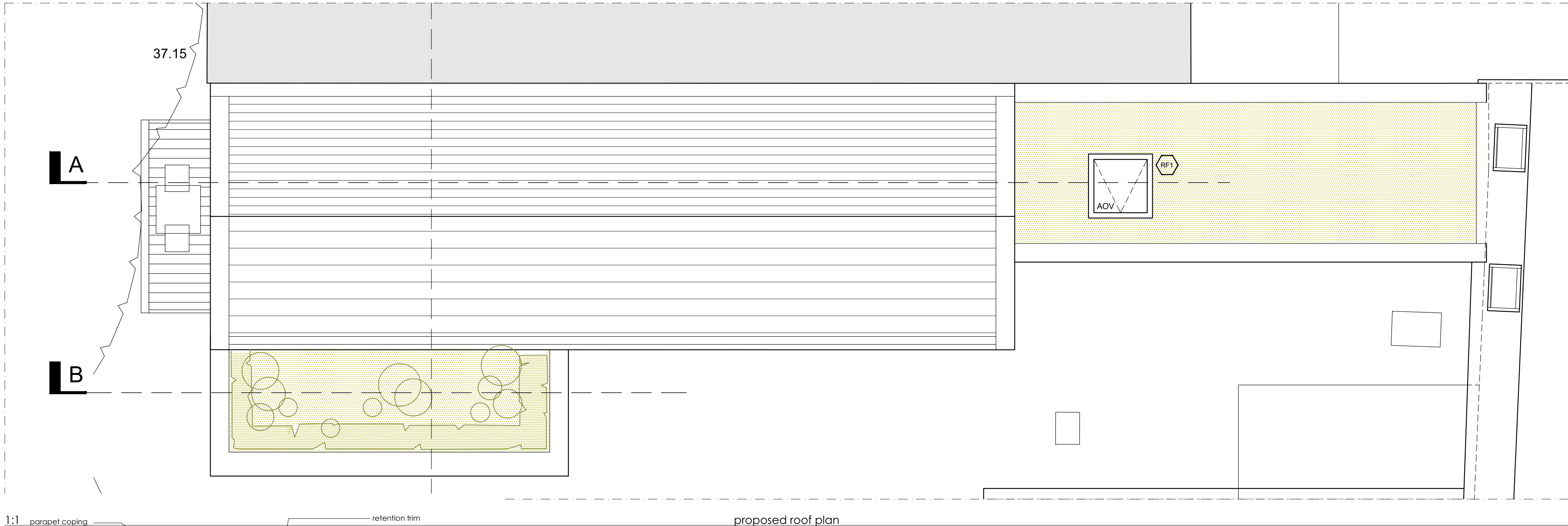


Notes:



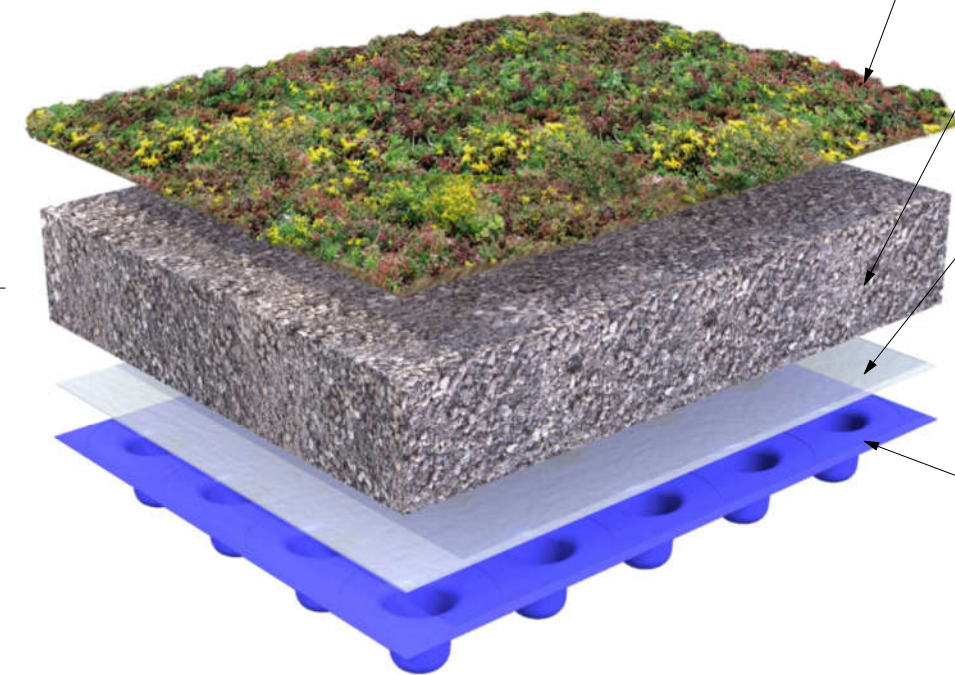
GR-2

GREEN ROOF
EXTERNAL MASONRY CAVITY WALL,
PARAPET WALL DETAIL

External wall to meet min. U-Value 0.18 W/m²Km roof to meet min. U-Value 0.11 W/m²K. Insulation thickness and specification based on project requirements.
Typical green roof parapet detail shown. For further variations and options contact a suitable manufacturer / supplier.
Dependant on insulation choice and Building Control Approval a DPC, weephole, cavity tray, barrier and closer may not be required. It is illustrated within this drawing for a robust solution if no insulation or partial-fill insulation is chosen.



3D model of the construction.



1:1 Sempergreen Traditional Green Roof Layers - The Green Roof Company

1. SEMPERGREEN SEDUM-MIX BLANKET 30MM
Pre-cultivated Sedum-mix blanket, consisting of a mix of 6 to 8 different types of Sedum. Sempergreen vegetation blankets always have at least 95% coverage upon delivery.

2. ROOF GARDEN SUBSTRATE EXTENSIVE 50MM
Extensive substrate consisting of lava, pumice, and compost. Produced in accordance with FLL guidelines.

3. DRAINAGE TYPE 20R 20MM
Drainage sheet made of recycled polyethylene (HDPE). The top of the sheet is covered with a filter fleece.

4. PROTECTIVE COVER
Weight 300 gr/m².
Made of recycled fibres.

5. ROOT BARRIER FOIL
Optional; only applicable to roofs without root-resistant roofing material.

ROOF PITCH: 0°- 5°
SYSTEM BUILD-UP THICKNESS: 105 mm
SATURATED WEIGHT: 91.2 kg/m²
WATER BUFFERING CAPACITY: 27.5 l/m²

MAINTENANCE

ROOF INSPECTION

During every maintenance session, make sure that you follow the safety requirements for working at heights (e.g. roof edge protection, fall protection, safety helmets). Inspect the green roof at least twice a year for weeds and woody plants carried in by the wind and remove the unwanted vegetation by hand. Preferably perform this maintenance in the spring and autumn. In addition, check whether the rainwater drain(s) are still functioning properly. Remove any leaves or dirt blown into the gutters and drains. Is the green roof located in an area with lots of trees? Then check the roof more regularly for weeds, and remove leaves and tree fruits from the roof and from the rainwater drain(s).

MOWING

Manually mow the herbs once a year in February or March, using a brushcutter, for example. Aim for a cutting height of about 5 cm. Take care not to damage the roof covering and any materials on the roof.
The Sedum plants do not need to be mowed. Remove the cut greenery from the roof immediately after maintenance.

Anchor point to be 2 m in from the roof edge at 6-12 meter spaced to allow for maintenance

APPLYING NUTRITION

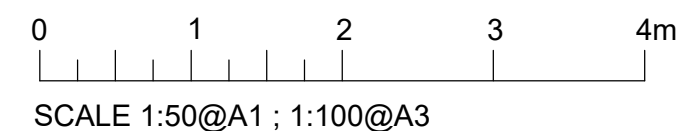
We recommend using an organic nutrition product once a year on the Lightweight Biodiverse Green Roof. Sedum Nutrition helps to keep the Sedum plants healthy. Preferably use the product at the end of April. Read more product information about our organic Sedum Nutrition on our website.

IRRIGATION

A well-rooted green roof usually does not require additional water. Under dry conditions it is however necessary to irrigate the roof. Contact our Sales team for more advice regarding the irrigation of green roofs

The Sempergreen Biodiversity Package has been created in cooperation with the Dutch Butterfly Conservation. It helps to increase biodiversity on extensive green roofs, thereby also increasing their ecological value. All products have been carefully selected to improve the living environments of birds, bees, butterflies and other insects. They provide nesting spaces, protection and sources of food.

<https://www.sempergreen.com/en/solutions/green-roofs/types/traditional-sedum-roof>



Please Note:
These plans must not be acted upon until the appropriate Planning and Building Regulation approvals have been granted. Should the works be undertaken prior to the above approvals being in place, it is done so entirely at the clients own risk.

THE
KEEN
PARTNERSHIP

The Courtyard
Edinburgh Road
Reading RG30 2UA
Tel: 0118 9510 855
Fax: 0118 9510 866
chris@keenpartnership.co.uk
www.keenpartnership.co.uk

Client:

Job Title:

#Project Description at 58 Kings Rd, Reading RG1 3AA, UK

Drawing Title:

Condition 3 - Materials Green Roof

Drawing Date:

02/05/25

Status:

Planning Drawings

Issue Date:

15/07/2025

Drawn By:

PD

Scale:

@A1

Job No:

9436

Drawing No:

9436-118

Rev: