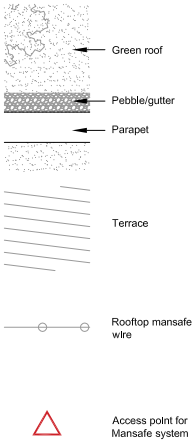
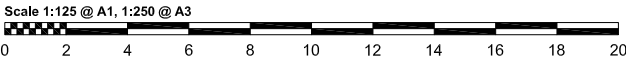




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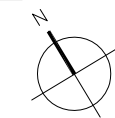


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REVISIONS:	
A	19.01.2018 Layout amended
B	19.02.2018 PV and mansafe added
C	27.03.2018 Mansafe system added on all roofs

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Project No.
RD_0899

Client
Sonic Star Properties Limited

Scale
1:125 @ A1 / 1:250 @ A3

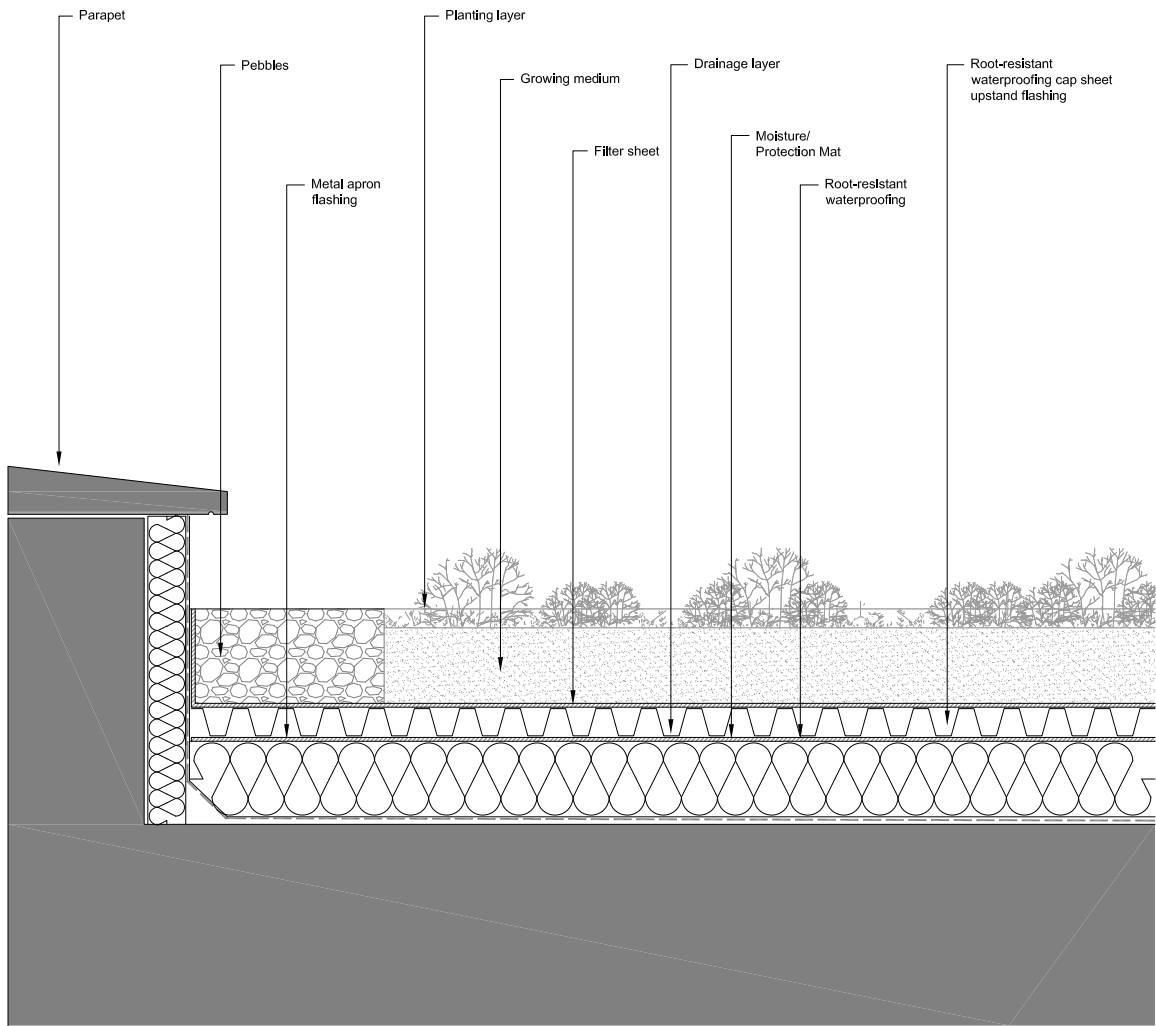
Date
MARCH 2018

Project Bristol and West Arcade, 173-175 Friar Street, Reading, RG1	Drawn by ER	Drawing Title Roof Plan - Green Roofs
Checked by ID	Drawing No. P.113	Rev B

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01 TYPICAL SECTION DETAIL OF GREEN ROOF
Scale 1:5 @ A1, 1:10 @ A3

Green roof and terraces to the four, fifth, sixth and seventh floors of the main Friar Street building

Green Roofs, Pebble Gutters and Parapets

Flat roofs to these floors have extensive green roofs. Edges, perimeters and gutters are infilled with pebbles to allow good drainage.

- Blackdown Bio-Diverse Green Roof example build-up (example specification):
- Blackdown Vegetation - mixture of wildflower plug plants and/or seed
 - Blackdown Habitat Incidentals - shelter stones, lying timbers, perches, piles of mixed aggregates
 - Blackdown Substrate - 100mm blend of organic and non-organic materials
 - Blackdown Filter Sheet - 110g polypropylene filter sheet
 - Blackdown Drainage Layer - 25mm, cuspated, recycled HDPE
 - Blackdown Protection Fleece - 300g polypropylene protection fleece

Blackdown bio-diverse green roofs provide the ideal opportunity to recreate or replace lost or missing habitat. Having a defined goal, i.e. re-establishment of birds such as the Black Redstart, helps Blackdown specifically tailor the bio-diverse specification to those needs.

Vegetation
A wide range of plants can be incorporated into a bio-diverse green roof depending on what is to be attracted to the roof. Typically the planting will be in the form of plugs, including drought tolerant wildflowers, herbs and grasses. Specialist seed mixes that will help replicate a specific habitat can also be used.

Parapets in reconstituted stone to match elevations.

Man-safe System and Access for Maintenance

A cable-based fall arrest system is proposed to all flat roofs. This will enable maintenance of the green roof and gutters. An outline cable route, and access to this, is shown indicatively on our roof drawing. Access to the roofs will be via several apartment terraces.

Extensive green roofs are low maintenance. The roof will not require any irrigation, is self-sustaining and provides ahabitat for Invertebrate and bird species.

During the green-roofs first year the roof will be maintained three times. On subsequent years it will be maintained twice a year. This maintenance will include removal of undesirable plant material, pests and diseases checks, application of nutrient and soil conditioner, checking of gutters and outlets and removal of leaf-litter

Terrace and Balustrades

Apartment terraces are decked in hardwood timber decking. Balustrades in grey painted metal.

Example fact-sheets are enclosed with this submission.



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Scale 1:5 @ A1, 1:10 @ A3
0 100 200 300 400 500 mm

REVISIONS:

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Client
Sonic Star Properties Limited

Scale
As shown

Project No.
RD_0899

Date
MARCH 2018

Project
Bristol and West Arcade, 173-175 Friar Street, Reading, RG1

Drawn by
ER

Drawing Title
Green Roof Details

Checked by
ID

Drawing No.
P.114

Rev
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