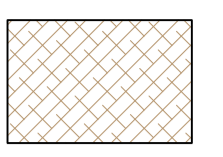


1 Roof detail section
1:20

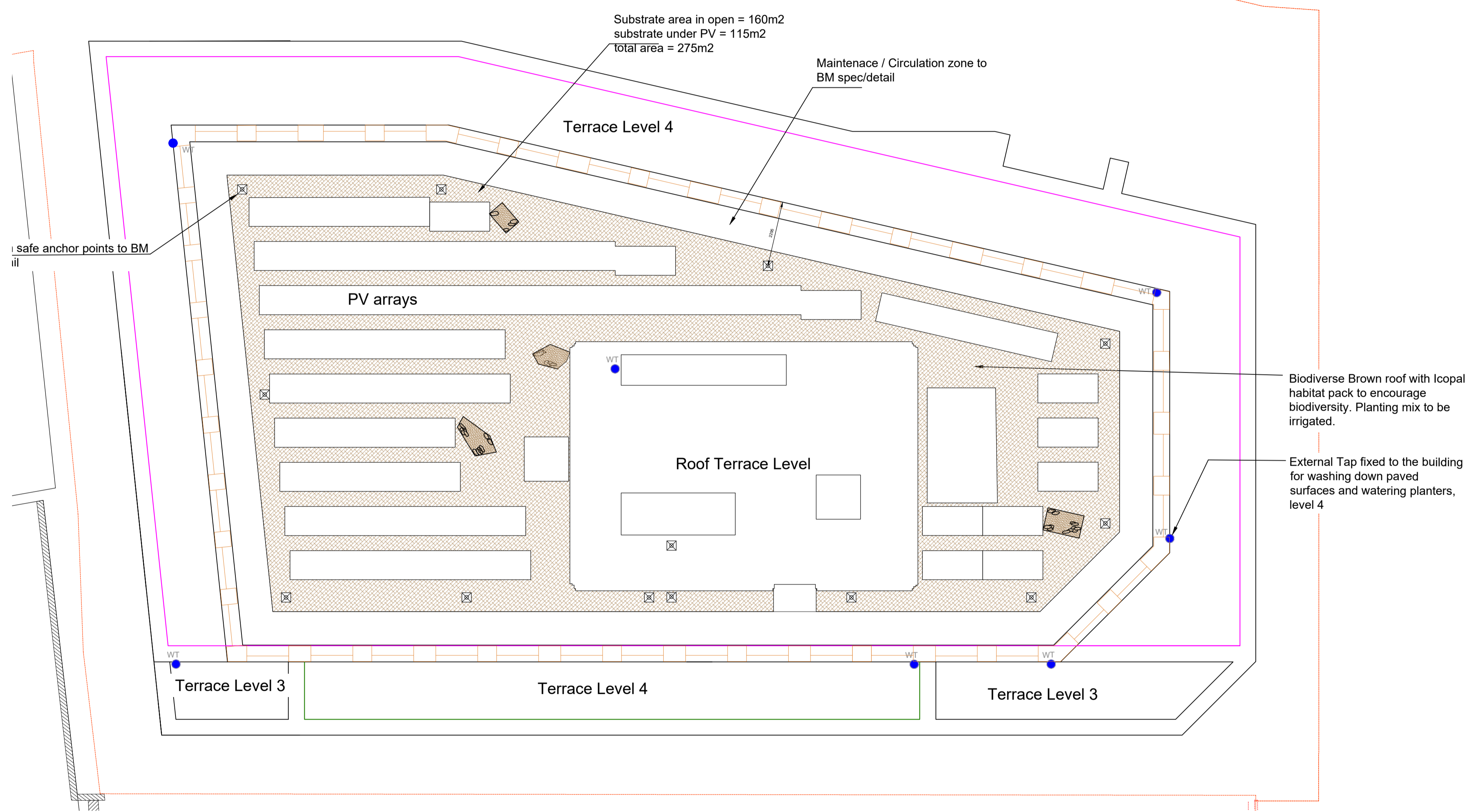


Biodiverse brown roof - with seeded extensive roof system
 Bauder Urban Flora 5 seed mix osap - seed 50% of total roof area with mix (35g/m2 over 137m2)
 Remaining 50% unseeded roof soil area to be allowed to self seed and colonized naturally. (137m2)

Seeded on Bauder substrate system for biodiverse /brown roofs osap - lightweight substrate to BS8616. 75mm- 125mm undulating thickness to give varying habitats.
<https://www.bauder.co.uk> OSAP

Allow for area to be irrigated using drip line pipes. Approx area: 390m² including areas under PV's. Irrigation specification by TCR irrigation specialist osap.

Irrigation to maintain roof area only for use in drought periods to prevent total plant failure.



2 Roof plan
1:100



Bauder Flora 5 Seed Mix		RHS	Larval foodplant
Urban Seed Mix	British	Native Provenance	P for P
Agrimonia eupatoria	Agrimony		Y
Anthyllis vulneraria	Kidney Vetch		Y
Centaurium erythraea	Common centaury		
Centaurea nigra	Common Knapweed	Y	
Centranthus ruber	Red Valerian	Y	
Dipsacus fullonum	Wild teasel	Y	
Echium vulgare	Viper's-bugloss	Y	
Galium verum	Lady's Bedstraw	Y	Y
Hippocrepis comosa	Horseshoe Vetch		
Hypericum perforatum	Perforate St John's-wort	Y	
Knautia arvensis	Field Scabious	Y	Y
Leontodon autumnalis	Autumn Hawkbit	Y	
Leontodon hispidus	Rough Hawkbit	Y	
Leucanthemum vulgare	Oxeye Daisy	Y	
Linaria vulgaris	Common Toadflax	Y	
Lotus corniculatus	Bird's-foot-trefoil	Y	Y
Malva moschata	Musk-mallow	Y	
Oenothera biennis	Evening Primrose		Y
Origanum vulgare	Wild Marjoram	Y	
Plantago media/ lanceolata	Hoary/Ribwort Plantain		Y
Primula veris	Cowslip	Y	Y
Prunella vulgaris	Selfheal	Y	
Ranunculus acris	Meadow Buttercup	Y	
Ranunculus bulbosus	Bulbous Buttercup	Y	
Reseda lutea	Wild Mignonette	Y	
Rumex acetosa	Common sorrel		Y
Sanguisorba minor	Salad Burnet	Y	
Sedum acre	Biting stonecrop	Y	
Sedum album	White stonecrop	Y	
Silene vulgaris	Bladder Campion	Y	
Thymus polytrichus	Wild Thyme	Y	
Trifolium pratense	Red Clover	Y	
Annual Mix			
Agrostemma githago	Corn Cockle	Y	
Centaurea cyanus	Cornflower	Y	
Chrysanthemum segetum	Corn Marigold	Y	
Matricaria recutita	Scented Mayweed	Y	
Myosotis arvensis	Field Forget-me-not	Y	
Papaver rhoeas	Common Poppy	Y	
Grasses			
Briza media	Quaking grass		
Festuca rubra	Red fescue		Y
Cynosurus cristatus	Crested Dog's-tail	Y	
Festuca ovina	Sheeps Fescue	Y	Y
Festuca rubra	Red Fescue	Y	Y
Koeleria macrantha	Crested Hair-grass	Y	
Trisetum flavescens	Yellow Oat-grass	Y	

BauderGREEN Flora 5 Seed Mix Details

UK Native British Provenance Seed Mix, 38 species including:

- 28 wildflowers
- 6 annuals
- 2 sedge and grasses
- 2 sedum species

34 wildflowers classed as RHS Perfect for pollinators, 9 butterfly and moth larval food plants

Mix percentages; 80% perennial wildflowers, 10% annuals and 10% grasses

Key Specification Features

- Suitable for urban areas and high rise inner city locations.
- Lengthy flowering season – April to October.
- Contains all the species listed in the 'London Seed Mix'.
- Designed to deliver maximum biodiversity credits for BREEM.
- Suited to dry conditions with sedum species and drought tolerant wildflowers.
- Species include Red Valerian, a priority species for London, and five annuals to give first year colour.

Ecological Value

The Bauder Flora 5 Seed Mix has a high diversity of wildflower species selected to provide rich nectar sources over a long flowering period on dry roof locations. Plants with long flower tubes, such as Wild Red Clover and Vetch species, deliver valuable nectar sources for long-tongued bumblebee species, including London priority species the Brown-banded Carder Bee. The mix also comprises larval food plants for priority butterfly species including Kidney Vetch for the Small Blue and Red Fescue for the Marbled White. Plant species of declining chalk grassland, a priority habitat in many BAPs, are present and include Quaking Grass and Wild Marjoram. The seeds of Black Knapweed, Wild Teasel and Common Toadflax offer food sources for birds and overwintering sites for invertebrates. The selected plant species are typical of open mosaic habitat and therefore in combination with mounded bare areas of substrate will provide the Black Redstart with a foraging habitat. Red Valerian and Evening Primrose are two non-native species included in the mix that are naturalised within the London flora and are a good nectar source for foraging moths. The mix also contains native or naturalised sedums that provide evergreen structure in the winter and can support specialist invertebrates, such as the notable bug species Chlamydatius Evanescens.

REV	DESCRIPTION	APP	DATE
A	PV layout update	KK	26.04.23

Liddell Road
 Planting Plan Detail
 Biodiverse brown roof

DATE	23.04.23	DRAWN	KK
SCALE	var@A1	CHECKED	NT
STATUS	Stage 4	APPROVED	NT
DWG. NO	D0461_058	A	