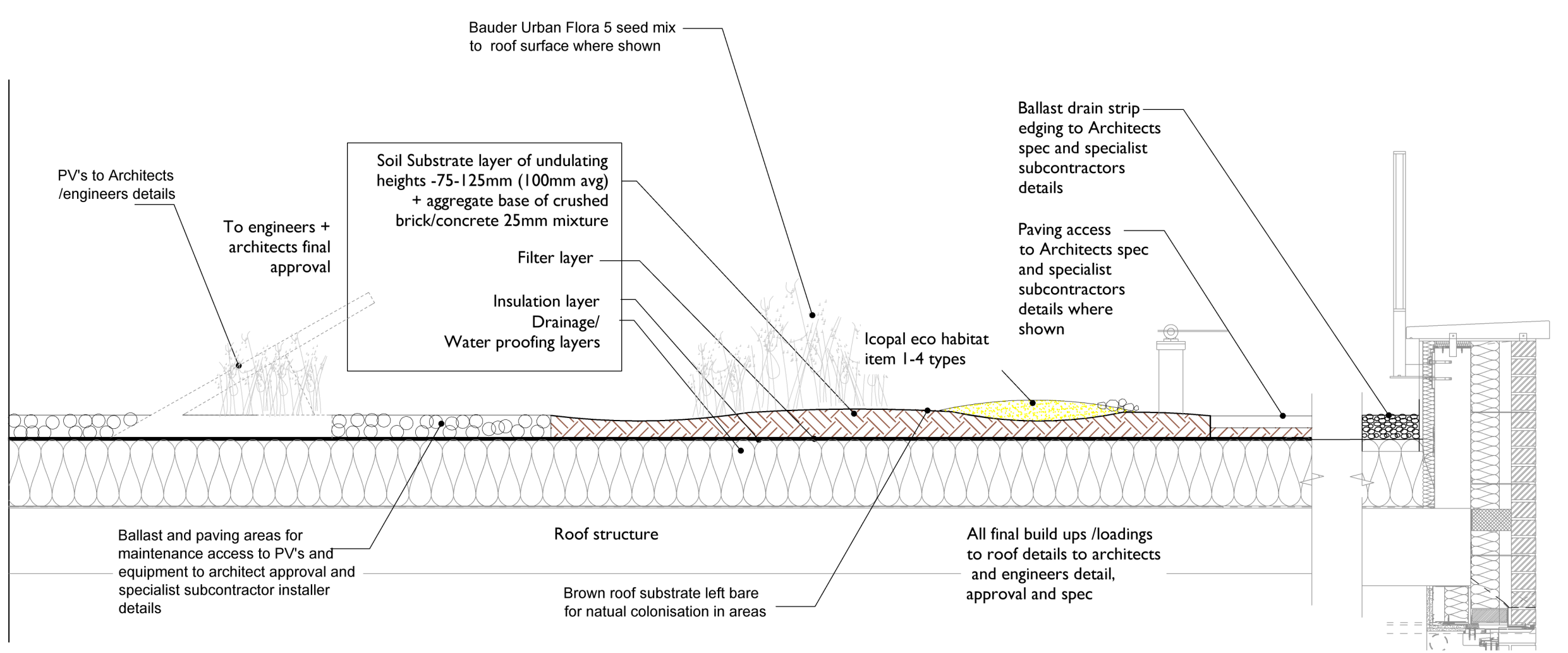




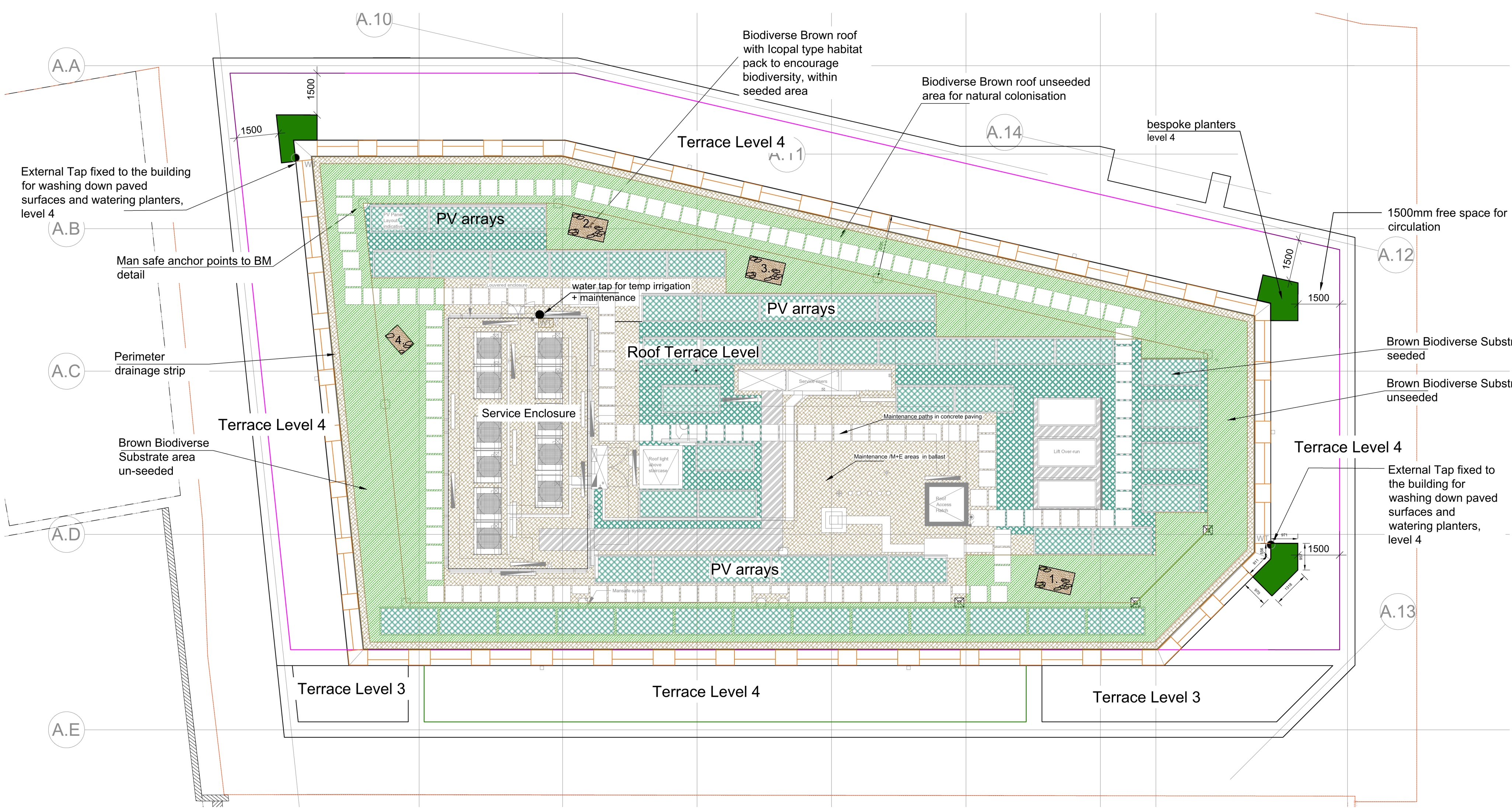
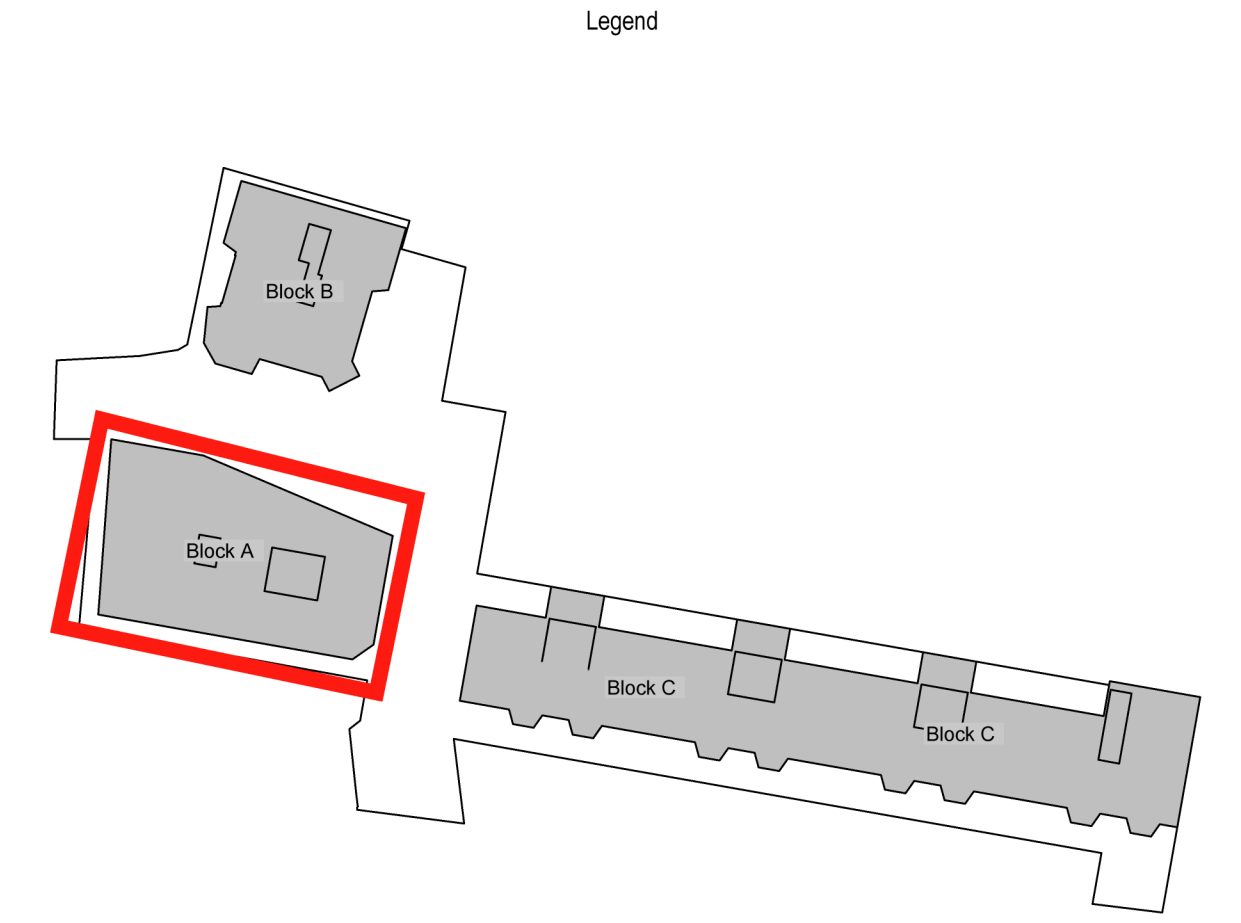
Block A - seeded areas - 139m2
Biodiverse Brown roof. - Seeded with Bauder Urban Flora 5 seed mix osap (35g/m2)
Seeded on Bauder substrate system for biodiverse /brown roofs osap . - lightweight substrate to BS8616. 75mm- 125mm undulating thickness to give varying habitats. average 100mm depth.
https://www.bauder.co.uk - OSAP system

Block A - unseeded areas - 127m2
Biodiverse brown roof - bare soil to naturally colonize - extensive roof system
Bauder substrate system for biodiverse /brown roofs osap . - lightweight substrate to BS8616. 75mm- 125mm undulating thickness to give varying habitats. average 100mm depth.
https://www.bauder.co.uk - OSAP system

Ballast access surface around plant and pipework with concrete paving slabs (on pads) where more frequent access required to BM/Cfield specifications

Roof Level - Habitat Pile Zones
Icopal Habitat Zone Pack (osap) or equal approved mix of rocks, sand, rope and logs to attract and support a range of invertebrate and birds and encourage biodiversity - supplied as a bulk bag to create 4 habitats. (1. Rocks, 2. Logs, 3. Sand, 4. Rope.)
All to architects and engineers final position and loading approval. Icopal • web: www.icopal.co.uk • email: info.uk@icopal.com osap

Total roof area = 503m2 inc roof equipment - biodiverse roof area = 53% of total area
Allow for area to be irrigated using hosepipe via roof tap. Irrigation by hosepipe to maintain roof area only for use in drought periods to prevent total plant failure.
All roof build ups to B+M/PAM details and specification including soil/substrates. Where necessary seeding to be adapted to fit final system all to manufacturers warranties



Bauder Flora 5 Seed Mix osap				RHS		Larval foodplant
Urban Seed Mix	British	Native Provenance	P for P	Y	Y	
Agrimonia eupatoria	Agrimony		Y	Y		
Anthyllis vulneraria	Kidney Vetch		Y	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		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		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 stoncrop		Y			
Sedum album	White stoncrop		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				Y	
Festuca rubra	Red fescue					
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 OSAP

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 BREEAM.
- 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 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 Chlamydatus Evanescens.

London
T 020 70171786

N

Liddell Road

Planting Plan Detail
Block A Biodiverse brown roof

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

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Read all in conjunction with drawings 058, 059 and 060

REV	DESCRIPTION	APP.	DATE
L	seeded/unseeded areas adjusted	CN	02.10.23
K	BM updated roof layout added 29-09-23	CN	29.09.23
J	updated in line with latest BM base	CN	28.09.23
I	additional seeded areas added to C Field markup	CN	12.09.23
H	ballast edging strip added	CN	17.08.23
G	text added /turned on	CN	16.08.23
F	Minor ammends to notes	CN	11.08.23
E	BM latest roof layout added for planning	CN	21.07.23
D	BM latest roof layout added	CN	20.07.23
C	BM section update	KK	21.06.23
B	BM section update	KK	05.05.23
A	PV layout update	KK	28.04.23