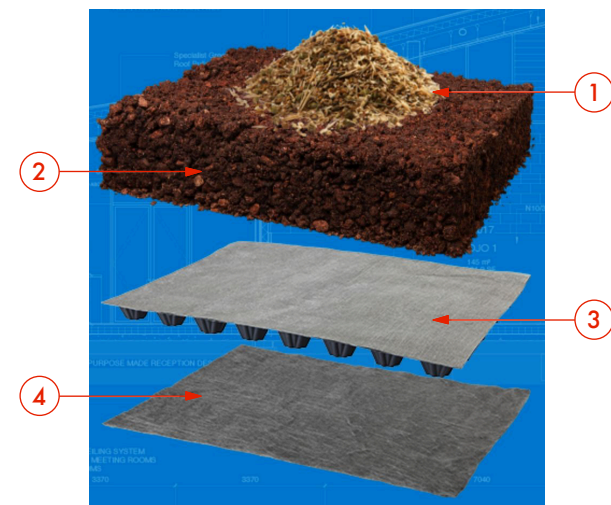


SKY GARDEN BROWN ROOF

The proposal intends to use a **SkyGarden Biodiverse brown roof system**, which works to mimic the surrounding environment that has been replaced by the building in order to reduce the ecological impact as much as possible. Often left to self-seed, the substrate is contoured to allow for a variety of native species to establish via seeds landing from the wind or native birds. Log piles, sand piles and boulders provide habitats for various species of insects and food sources for local wildlife.

The roof will be started with a London wildflower seed mix. Please see attached data sheet describing the London specific seed mix of 36 different plants. Seeding is recommended between Autumn and Spring.

Through carefully maintenance, described on the attached maintenance data sheet and strategy table opposite, the roof is allowed to naturally develop into a site specific biodiverse ecosystem. It is proposed that for the first two years the garden receives maintenance every six months.



1 & 2. Exposed biodiverse substrate - a blend of recycled crushed brick and organic material allowing the roof to take hold of windblown seeds or those brought in by animals as well as those sown on the roof

3. Bonded filter fleece/retention cups - designed to prevent any blockages and store water for healthy growth, whilst perforations allow for drainage of excess water

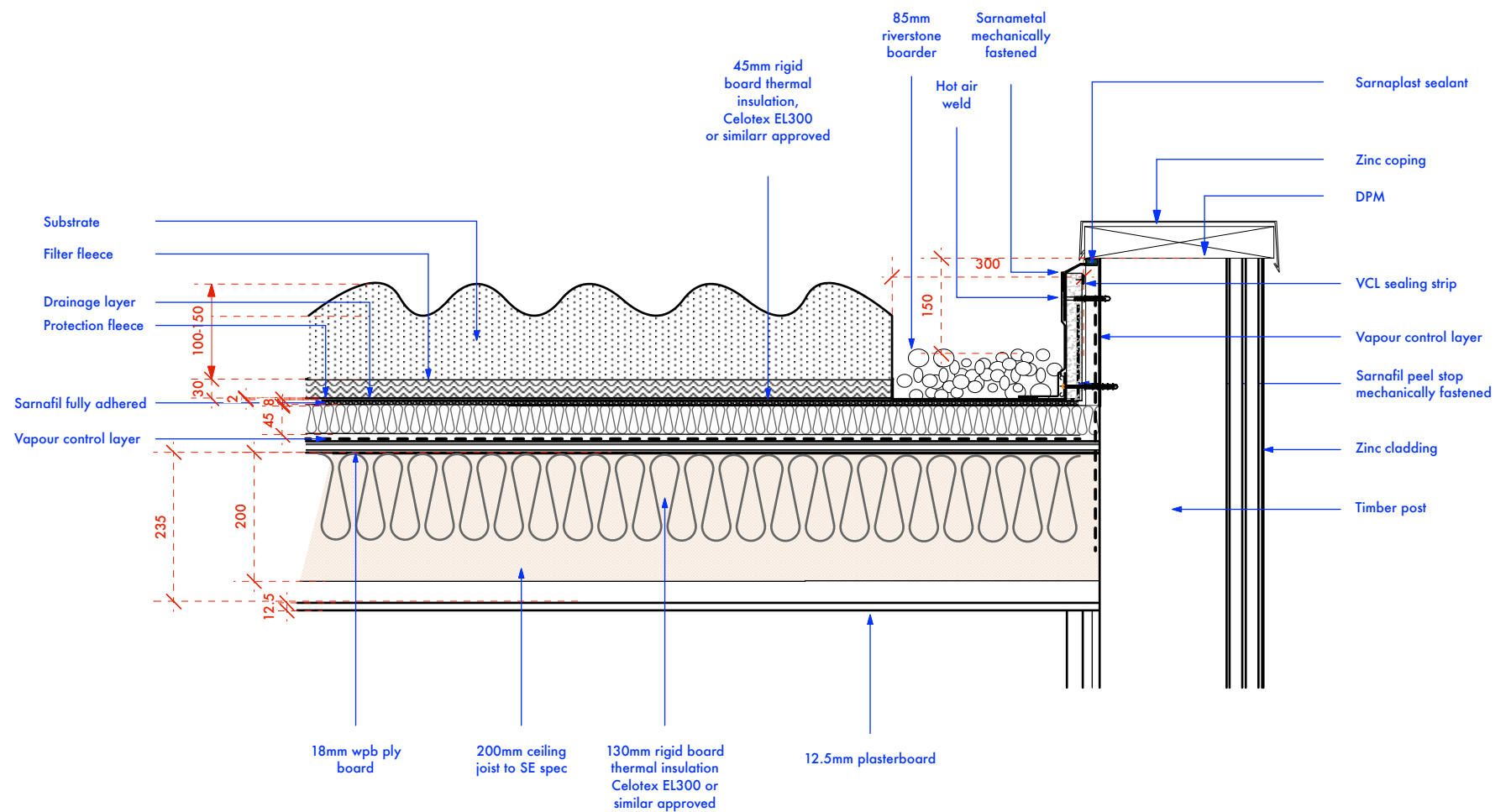
4. Protection fleece - designed to add an extra layer of defense to the waterproofing layer

MAINTENANCE STRATEGY:

YEAR 1	
Activity	When
Seeding	Between Autumn to Spring
Spot weeding	Monthly
Check drainage	Monthly
Water	Weekly during growing season

YEAR 2 AND AFTER	
Activity	When
Spot weeding	Biannually (Spring & Autumn)
Stim back to 10cm	Biannually (Spring & Autumn)
Check drainage	Biannually (or after significant weather)
Water	Water as per normal garden but at least weekly during growing season

To be read in conjunction with the SkyGarden Maintenance data sheet



TYPICAL PERIMETER SECTION THROUGH BROWN FLAT ROOF

TYPICAL SINGLE PLY ADHERED MEMBRANE ROOF DETAILS (SARNIFIL OR SIMILAR APPROVED)

NOTE: TO BE READ IN CONJUNCTION WITH SARNIFIL SPECIFICATION

ROOF DETAIL:
 U-value 0.15 W/m²K

DO NOT SCALE THIS DRAWING WRITTEN DIMENSIONS ONLY TO BE USED ALL DIMENSIONS ARE IN MILLIMETRES ALL DIMENSIONS TO BE VERIFIED ON SITE ANY INCONSISTENCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY	Job No 7155	p-ad 192D Compton Hill Road, Notting Hill Gate, London, W8 7TH t: 0208-4590172 e: info@p-ad.co.uk	
	FOR CONSTRUCTION		
	87-93 Kingsgate Road, London, NW6 4LA	Tide Scale 1:10 @ A3	BROWN ROOF DETAILS Number 7155/ 2.2 Rev A