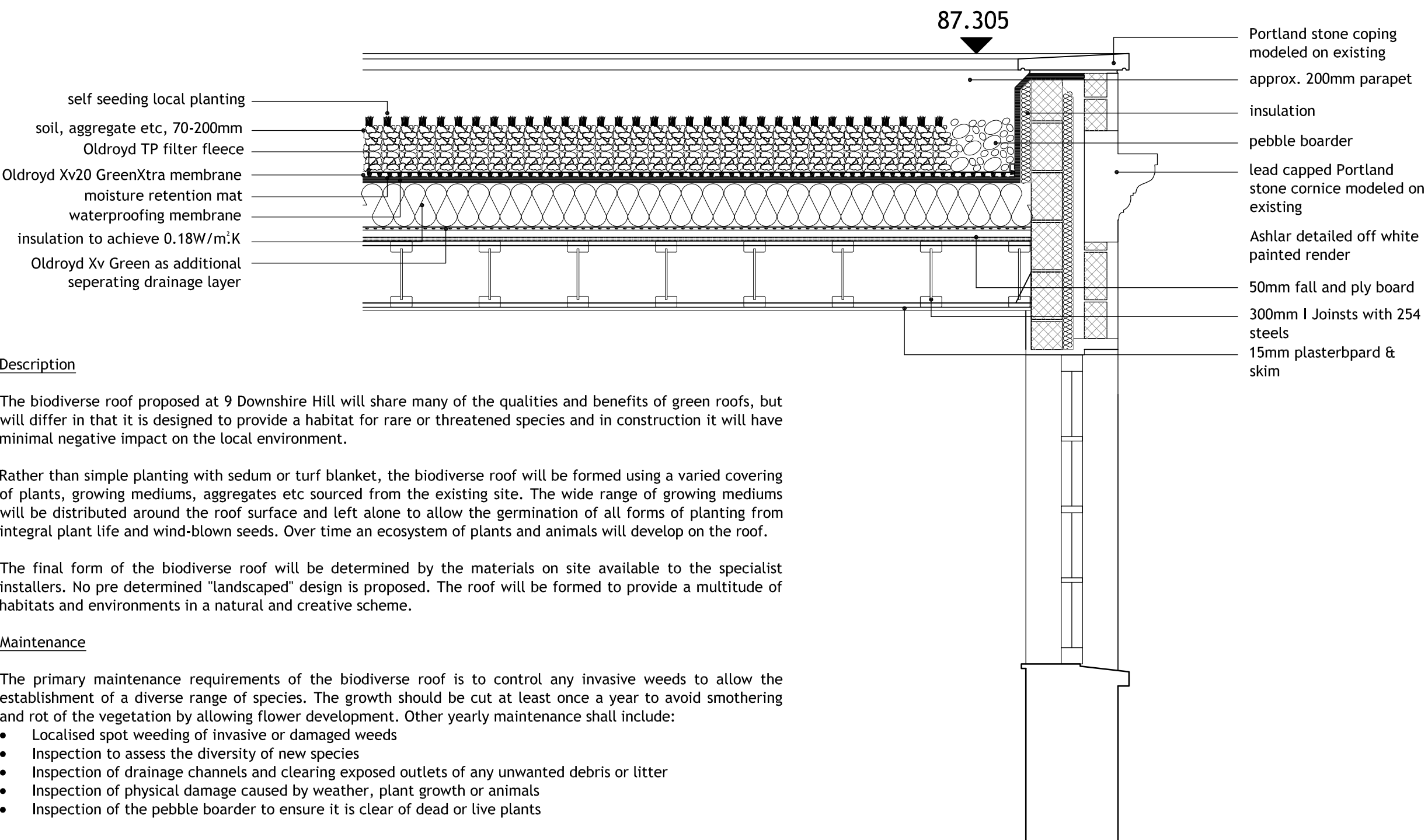


Biodiverse roof typical section



Description

The biodiverse roof proposed at 9 Downshire Hill will share many of the qualities and benefits of green roofs, but will differ in that it is designed to provide a habitat for rare or threatened species and in construction it will have minimal negative impact on the local environment.

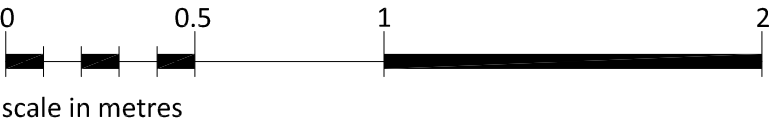
Rather than simple planting with sedum or turf blanket, the biodiverse roof will be formed using a varied covering of plants, growing mediums, aggregates etc sourced from the existing site. The wide range of growing mediums will be distributed around the roof surface and left alone to allow the germination of all forms of planting from integral plant life and wind-blown seeds. Over time an ecosystem of plants and animals will develop on the roof.

The final form of the biodiverse roof will be determined by the materials on site available to the specialist installers. No pre determined "landscaped" design is proposed. The roof will be formed to provide a multitude of habitats and environments in a natural and creative scheme.

Maintenance

The primary maintenance requirements of the biodiverse roof is to control any invasive weeds to allow the establishment of a diverse range of species. The growth should be cut at least once a year to avoid smothering and rot of the vegetation by allowing flower development. Other yearly maintenance shall include:

- Localised spot weeding of invasive or damaged weeds
- Inspection to assess the diversity of new species
- Inspection of drainage channels and clearing exposed outlets of any unwanted debris or litter
- Inspection of physical damage caused by weather, plant growth or animals
- Inspection of the pebble board to ensure it is clear of dead or live plants



revisions A Details amended



| | | | |
|------------|---|------------|---------------------------------------|
| project | 9 Downshire Hill, London, NW3 1NR | drawing | Proposed Biodiverse Roof Detail |
| drawn | LB | checked | JE |
| scale | 1:20 | date | 08.10.2011 |
| client | | paper size | A3 |
| drawing no | 7412 / 21 A | | |

PLANNING