

Ecosystems Services Statement

Residence

Job Title: Rotherlea
Job No: 13

Barn Cottage, High Street Twyford
Hampshire SO21 1RF

Ecosystems Services Action	Policy SD2 Criterion
Bat Boxes to be installed and integrated within the cladding as shown in drawings P110 and P111	A, B
Swift Boxes to be installed and integrated within the cladding as shown in drawings P110 and P111	A, B
New sedum roof to the extension will store and filter water as shown on proposed roof plan P105	A, B, C, D, E, F
Permeable hard landscape surface to be installed in areas of new hard surface within the garden	A,C,D
New wildflower and native planting will be added to the garden	A, C, D, E
A new array of P.V panels to be installed on the south facing roof as shown in drawings P105 and P111	E
Heating and hot water will be provided via an ASHP unit installed in a discreet location on the roof (See P105). This therefore means that the house will be carbon zero ready.	E
A rainwater capture system is to be installed to retain brown water on site for use in the garden	A,C,D
A new composting system is to be installed in the garden to collect household food waste and garden waste to improve soil quality and nutrient content	B,G
Electric Car Charging will be installed, improving local air quality and reducing overall emissions	E
Improved level of thermal efficiency to the envelope will reduce operational carbon cost of the building	E
Timber cladding as well as structural timber to be used in order to reduce the embodied carbon of the project by using products which sequester carbon across their lifetime	E,F