

Sustainability and Energy Statement

The Granary, Greatham, Greatham Lane, Greatham, RH20 2ES

This statement demonstrates the commitment to sustainability and energy efficiency by Shire barns Development LLP and takes into account Central Government advice and the policies of South Downs National Park.

The site

The site is in a sustainable location a few miles south of Pulborough and Storrington. Pulborough and Storrington are both thriving commercial centers with a very comprehensive range of shops and services. Pulborough has a station that serves London and the South Coast. There are schools, churches, community halls, playing fields and recreation grounds. There are a large range of clubs and societies that provide for all needs and interests.

There are two builder's yards and all necessary specialist suppliers in Pulborough approximately 3 mile distant. These facilities will be used for construction materials ensuring responsible sourcing of materials.

There is adequate parking on site. There is also provision for cycle storage and bin storage.

Excellent daylight and a view of the sky has been achieved in the design of the dwelling

There is no risk of flooding

Security by design has been achieved

Construction Standards

Levels of insulation will exceed those required by the building regulations.

High quality energy efficient windows will be used.

Low energy lighting will be used internally and externally

High efficiency air source heat pumps will be installed. All pipe work will be insulated. Heating controls, thermostatic radiator valves and other high quality controls will be used.

Water use – water consumption will be no more than 110 litres/person/day

Cycle storage will be provided

Garden composters will be provided

Rainwater butts will be provided

Drying space provision

Separate internal bins will be provided in line with Horsham DC waste collection policy.

An EV Charging Point will be provided in the Cart Shed

All white goods will have an 'A' efficiency rating.

Provision of home office facilities

Site Waste Management

Site waste will be managed and minimized.

Any site waste will be sorted and recycled where possible

Climate Change

Existing trees will be retained

Additional native trees and hedging has been planted

Further native trees will be provided with the proposed scheme.

Shading (hops grown over galvanized frame) provided to Link Building south elevation to minimize over heating in summer months

Garden areas are designed to be drought resistant.

Drainage

Water butts will be provided

Permeable paving will be provided to drives

March 2021