



Architectural Planning Services

Sustainability Statement

in support of

Planning Application for

Harefield Farm, Bird in Hand, Whitehill, Stroud GL6 6JR

Blueprint Architectural Planning Services.

4 Danford Villas, Danford lane,

Hartpury,

Gloucester

GL19 3BH

Tel 07984325945



This planning Applications seeks to improve upon the existing accommodation in the attic space of the property.

Energy Efficiency.

The insulation within the dormer walls is to be a 100mm cavity, fully filled using ECO/CT – Cavity Therm 360 rigid insulation which achieves U-Values down to 0.12 W/m²K. It is an environmentally conscious solution to low energy design, that results in traditional homes that meet the 2030 Climate Challenge targets.

Windows:

New windows to be timber casement double glazed with 16mm argon gap and soft coat low-E glass or similar approved. Window Energy Rating to be Band C or better **and to achieve U-value of 1.0 W/m²K**, and to be in accordance with British Standards publication PAS 24:2016.

All windows to be fitted with trickle vents as specified in the ventilation section of this document.

Purge (natural) ventilation to habitable rooms- general requirements:

Purge (natural) ventilation to be provided to all habitable rooms equal to 1/20th (5%) floor area where the external windows/doors open more than 30 degrees and increased to 1/10th (10%) of the floor area where the windows open between 15 - 30 degrees.

Purge (natural) ventilation openings to habitable rooms to be typically 1.75m above floor level and all internal doors to have a 10mm gap under the door for air supply transfer.

Low Carbon Heat.

The heating system will change in the future to an unvented mains fed hot water cylinder.

Renewable energy



Transport and travel.

Shared mobility has been adopted wherever possible, there is additional off road parking for multiple vehicles.

Flood Risk assessment.

The property does not stand in an area where this is of concern.

Ecology and Biodiversity.

All steps will be taken to preserve any local or site-specific items but this is in a residential area and all potential biodiversity concerns will be limited. This is a relatively new build and thus there is little opportunity in any ingress of vermin or wildlife into the roof space.

Waste

Adequate internal and external bin storage and recycling space is allocated. Water butts will be applied to conserve rainwater from the new dormer roofs.