FRAMEWORK ENERGY STATEMENT

JUNE 2023

CONSTRUCTION OF DWELLING IN REPLACEMENT OF EXISTING BUILDING

CLIMATE CHANGE AND ADAPTING TO THE EFFECTS

To promote and incentivise sustainable methods of living and working in towns and the countryside.
Improving the integration of land use and transport in accordance with national and regional requirements.
Sustainable design and construction and energy efficiency.
Maximise the energy and water efficiency measures of the building.
Integrate on-site renewable energy generation into the design of the building to ensure CO 2 reductions are maximised.

WATER MANAGEMENT

This development will have a maximum water usage of 105 litres per person per day, including a 5litre allowance for external water use. Efficient sanitaryware specification will ensure minimisation of water consumption on a daily basis**.**

MATERIALS

All materials are to be sourced responsibly from suppliers who are environmentally accredited (ISO14001, BES6001 or similar); all timber used onsite and in construction shall be legally sourced from accredited suppliers and sources; Materials with an Environmental Product Declaration (EPD) shall be chosen over similar products without an EPD. All materials will be used to exceed the requirements of the latest building regulations and in particular Part L (Energy Use) and will utilise materials that meet the BRE Green Guide A+ rating. (Materials which have the lowest overall environmental impact over the lifecycle of a product as calculated by BRE Environmental Assessment Method).

FABRIC

Planning policy clearly calls for a fabric first approach. This proposed development will meet or exceed current building regulations U-Values.

RAINWATER
Rainwater will be collected and reused for the Garden areas.

HEATING
An electric air source heat pump will used for the heating and hot water, using an underfloor heating system as this is the most efficient means of retaining the heat within the fabric of the building.

HARDSTANDING
Any new hardstanding areas will be porous paving to allow the surface water to be returned into the ground.

GLAZING
The glazing will be thermally insulated gas filled to reduce heat loss to 1.2W/m2k rating with an air loss rating of 3 to the overall fabric of the building. The glazing will also be tinted to reduce solar glare and overheating of the building.

SAP RATING
The new dwelling will meet the requirements of approved document L1A for target energy efficiency of the total building including the fabric, heating system, solar gain, over heating, and natural shading elements.

ELECTRIC CHARGING POINTS
1No electric vehicle charging point is to be provided for the new dwelling.

CYCLE STORAGE
Secure cycle storage will be provided.