

17 Pasture Road, Letchworth Garden City, SG6 3LP

Ref 25/01319/FP

Energy and sustainability statement

The client's brief is to wherever possible exceed the current Building Regulations. This will be covered in detail at the Building Regulations drawing stage.

Below is a schedule of relevant proposals:

Demolition materials to be recycled, reused wherever possible or disposed of sustainably.

The general build will be traditional construction to min U value requirements by building control or better

Air lightness target is of 0.6 air changes per hour at 50 Pascals pressure to eliminate energy loss.

Heating will be provided by an air source heat pump. Heating system to incorporate a 300 litre highly insulated hot water cylinder. Underfloor heating to both floors.

Mechanical Ventilation with Heat Recovery (MVHR) to enhance air quality and comfort.

Solar PV panels on South roof slopes with battery storage is also proposed, subject to Planning Permission..

Low water use WC cisterns, wash basins, baths/showers will be installed.

Cycle storage and an Electric Vehicle charging point is provided.

Although Biodiversity Net Gain (BNG) does not apply, a responsible attitude will be taken to landscaping and the provision of planting that will encourage diverse habitats for wildlife.

This being a true Self Build project with the applicant being a skilled builder, as far as possible, subcontractors, material and product supplies will be sourced locally from known and trusted companies.