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Sustainability Statement for

22 Kiln Ride, Finchampstead, RG40 3PL

This statement is provided in support of the householder planning application for a Single storey rear extension following demolition of the existing conservatories, part garage conversion, and application of off white monocouche rendered finish to all existing and proposed external walls.

Sustainability

The following outlines the principles incorporated into the design to minimise the environmental impact of the proposal.

- Building Fabric & Choice of Materials

As part of the proposal, where possible, sustainably sourced materials will be employed for the construction of the proposal enabling it to demonstrate low energy use over its entire life cycle. All timber in the construction will be responsibly sourced. Within reason areas of glazing have been maximized to benefit from passive heat gain and natural light and to reduce energy bills.

- Energy

The detailed design of energy efficiency measures falls within the remit of other legislation, however it is generally accepted that there is a continuing drive towards greater energy efficiency and to this end the relevant regulations are under constant review. The emphasis is towards improving the fabric of the buildings to reduce thermal loss and consequently reduce the energy requirement for heating. In addition to the required improvements in 'U' values, accredited details will be adopted that ensure a continuity of insulation, especially around window and door opening. Air leakage from the building will also be minimized by the adoptions of good detailing and responsible workmanship. By the adoption of these principles, heating demand and consequently the size of the heat source will be minimized.

Energy consumption will be minimized by employing all or in part the following measures:

- High performance double glazing;
- High levels of insulation to floors, walls and roofs;
- Passive solar gain via orientation and layout;
- High level of natural lighting and ventilation;

- Water

Besides the desire to reduce energy consumption there is also a necessity to reduce both the consumption and waste of water.

The following measures will be adopted that will assist in achieving this:

- Flow restrictors fitted to all taps;
- Dual flush cisterns;

Niles Joyce

Architectural designer

(For and on behalf of Creative Design and Structure Ltd)