

## Introduction

This statement investigates measures to maximise the energy efficiency and suitability of the new dwellings at 118 Malden Road, London, NW5 4BY.

## Reuse of Materials

Any areas of masonry walls that are new or to be rebuilt will be constructed using reclaimed second hand bricks.

## Energy Use

The construction of the building envelope is intended to minimise heat loss and maximise solar heating. The proposed modifications to existing walls and the makeup of new walls and roofs will far exceed the requirements set out by building regulations and in accordance with CPG3 best practice U-values.

The design and layout of the building makes use of natural lighting and passive ventilation to reduce energy requirements.

Efficient electrical appliances with an A+ rating plus LED lighting will also further reduce the energy use of the building.

Easily controllable intelligent thermostatic heating controls will govern new and efficient boilers. The existing single glazing will be replaced with double glazing to all windows.

A combined heat recovery system that is integrated into the kitchen extractor units is proposed for all dwellings.

## Waste and Recycling

Internal storage for recyclable and non recyclable waste plus organic kitchen waste will be provided in all dwellings to comply with CPG1-10. Ample space has also been provided externally for the communal collection of waste ready for collection by the waste contractor.