

**5 Beaudesert Mews
West Drayton
UB7 7PE**

**Eur Ing. Steven Parker
BEng MSc CEng MCIBSE AMIOA MASHRAE**

Thursday, 30 June 2022

Design and Access Statement for 5 Beaudesert Mews

Dear Sir/Madam,

Due to the climate emergency it is incumbent on us all to do what we can to reduce emissions and limit global warming. While 5 Beaudesert Mews is currently rated and EPC C, there are recommended measures which can be made to improve this further. By installing solar photovoltaic panels and a battery storage system the property can become nearly completely self-sufficient by using the renewable solar electricity for the power requirements for the building.

By including a domestic heat pump as part of the property, no further gas is required to the property, meaning that no further fossil fuels will be burnt to heat the property. The solar panels have been sized not only to cover the electrical usage, but also the heat pump installation.

In order to fully future-proof the building for the potential ULEZ expansion to greater London, the property will be fitted with a electric car charging point. This allows excess electricity to be used during the car to charge the car, but also use the car battery as additional power storage for the property when not in use.

It is hoped that by submitting all the sustainable measures intended to be installed the property can be self-sustainable and do what is best practice to reduce emissions.

It should be noted that while the property is in a prominent position in Beaudesert Mews (a private cul-de-sac), the installation of the solar panels will not be visible from the main road due to the existing listed wall surrounding the cul-de-sac.

Yours faithfully,

Steven Parker