

CLIENT

PROJECT

ARCHITECT

VALUE

SCOPE OF WORK



Whitehouse Services Ltd

Florence Court, Maida Vale, London

£150.000

Detailed design of existing basement boiler room and controls within an occupied building



NLG Associates were appointed by Whitehouse Services Ltd to undertake a Detailed design of an existing basement boiler room, for an existing residential block consisting of 30 dwellings situated in Maida Vale, London, which had exceeded its life expectancy.

To ascertain the full dynamics of the existing heating and hot water systems, NLG Associates carried out an extensive site survey to review the existing heating and hot water systems and to carry out a full dimension survey of the basement area.

To minimise energy wastage, the existing hot water generation systems were rationalised, to include two high efficiency calorifiers therefore reducing the energy consumption and CO2 emissions.



NLG Associates were then responsible for producing a co-ordinated boiler room base plan ensuring all plant items could be accommodated within the boiler room with Health and Safety a priority. The new design included mechanical ventilation, boilers, boiler flues, hot water calorifiers, heating and hot water pumps, sump pumps, MCC panel and associated power, controls wiring and lighting.

To comply with the Clean Air Act 1993 the existing boiler flue had to be replaced in its entirety and the termination point relocated from low level ground floor to roof.

One of the challenges of this project was to keep the boiler room operational during plant replacement works. NLG Associates undertook a phasing strategy to minimise down time of the building services.

