



14th July 2014

35 Elsworthy Road, London NW3
Description of proposed mechanical services

The house be heated by gas-fired boilers serving radiators and underfloor heating, and air conditioned by a variable refrigerant flow (VRF) system to concealed fan coil units in each occupied room.

There will be three main plantrooms in the basement.

One will house boilers, central hot water cylinders and cold water pumps and a heat recovery air handling unit for the basement rooms. Fresh air inlet and exhaust ducts for this and all other localised ventilation plant will include silencers as required, and there will be no external mechanical equipment.

A second plantroom will house the central VRF heat pump/condensing unit which will be ducted to an acoustic louvre to the adjacent lightwell, to control noise levels as indicated in the acoustic report prepared by Gillieron Scott Acoustics.

The third plantroom will contain the filtration and ventilation equipment for the swimming pool, Jacuzzi pool and the steam room. Air intake and exhaust will be taken discretely through the existing refurbished storage building at the rear of the garden.