

KENSINGTON I TOWNHOUSE

► [VIEW FULL CASE
STUDY ONLINE](#)



PROJECT PROFILE

Five-storey Townhouse refurbishment in a prime London Conservation Area. The client, a private property investment portfolio. Designed by a London based architect studio and interior design firm with an industry-established Mechanical Consultant. Appointed by a Luxury Residential Contractor.

TECHNOLOGY

Mechanical Ventilation - Heat Recovery

Diffusers & Grilles - Linear Diffusers & Joinery Slots

Filtration & Purification - Fibre Filters

Noise Management - Acoustic Treatment & Duct Attenuation

Controls & Monitors - Home Automation

“
Calibre have worked on the last five projects of mine, and I am looking forward to working with them again on my next project.

**Tom Parsons, Contracts
Manager, Alexander Maltby Ltd**

CONSULTANCY.
INSTALLATION.
AFTERCARE.

CALIBRE[®]
luxury climate



DESIGN BRIEF

The challenge presented was to design and install mechanical ventilation systems to a five-storey townhouse as part of a full property refurbishment in a Conservation Area. This included a large new-build basement with media and leisure rooms, an ensuite bedroom, and utility and plant space. Full site coordination throughout installation was required. All ventilation units, slot diffusers and ductwork had to fit with a very specific interior design scheme and be managed around physical and architectural constraints.

SOLUTION

The discreet linear slot diffusers were specifically selected for the interior and architectural design schemes on this project.

In the basement games room a continuous linear slot diffuser created a feature ceiling with a floating raft effect, as the ceiling is separated from the cornice detail. A Mechanical Ventilation Heat Recovery (MVHR) system provided energy-efficient fresh air into the basement rooms by pre-heating with the extracted air, and individual in-line silent fans served bathrooms on the upper floors. Ventilation regulations ensured the correct air changes were achieved in all spaces. Attenuators were sized for adequate airflow and the restricted space within ceilings, and helped prevent detection of equipment noise and air movement by residents and neighbours. System control had full integration into the home automation system to provide careful automatic regulation of air changes throughout the property.

LUXURY CLIMATE

Calibre Climate is London's leading practice in Consultancy, Installation and Aftercare for indoor climate systems to luxury properties.

CALIBRE PRECISION CLIMATE CONTROL LTD

Noble House, Eaton Road
Hemel Hempstead
HP2 7UB

020 3191 9131
sales@calibreclimate.com
www.calibreclimate.com

CALIBRE[®]
luxury climate