

KENSINGTON III TOWNHOUSE

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PROJECT PROFILE

Full semi-detached townhouse refurbishment. The main contractor carried out basement extension, façade retention and house re-structuring.

TECHNOLOGY

Climate Control - Comfort Cooling & Wine Cellar Cooling

Mechanical Ventilation - Decentralised Extract & Heat Recovery

Ductwork & Accessories - Ductwork, Volume Control & Fire Dampers

Diffusers & Grilles - Linear Diffusers, Linear Bar Grilles & Air Terminals

Filtration & Purification - Fibre Filters

Noise Management - Acoustic Treatment, Duct Attenuation & Acoustic Enclosure

Controls & Monitors - Home Automation

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One thing that I find always useful is your team's ability to listen, apply the expertise, and work with the designers to ensure a successful outcome. This is something that makes it a pleasure working with Calibre.

*Fabio Glez-Calzada,
Director & Architect,
Thomas Croft Architects*

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DESIGN BRIEF

Developing the consultant design brief for full climate control to a private residence, through Calibre's design development and installation coordination. Full concealed AC and ventilation, controls integrated with the home automation system, and external acoustic treatment.

SOLUTION

For the most effective outcome, ducted fan-coil units were installed to all living spaces and bedrooms, carefully concealed within the building fabric. A bespoke refrigeration system was designed to meet exact requirements for the private wine cellar, to maintain optimal conditions for bottle selection or slow aging. An MVHR system serves the basement, incorporating attenuators to reduce sound transfer to rooms.

An attenuated central extract fan unit mounted on the roof was sized to meet regulations for air changes in bathrooms and WCs on the upper floors. Slot diffusers and linear bar grilles are used throughout, aligning with the architectural vision. Climate control is fully integrated with the home automation system to enable full adjustment to unique user needs. External units are housed in an acoustic chamber on the roof, greatly reducing breakout noise, to satisfy local planning regulations and protect the neighbouring area from noise pollution.

LUXURY CLIMATE

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

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