

# BELGRAVIA I PENTHOUSE

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## PROJECT PROFILE

A fully refurbished penthouse apartment amalgamated from two neighbouring apartments in the Grade II listed Eaton Square. Design team headed by a London architect, with Moscow-based Interior Designers, in conjunction with a Mechanical Consultant. Appointed by a luxury residential builder.

## TECHNOLOGY

**Climate Control** - Comfort Cooling

**Mechanical Ventilation** - Heat Recovery

**Ductwork & Accessories** - Fire Dampers

**Diffusers & Grilles** - Linear Diffusers & Linear Bar Grilles

**Noise Management** - Duct Attenuation & Acoustic Enclosure

**Controls & Monitors** - Home Automation

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*Dyer-Grimes Architects are very impressed with the quality of Calibre's work and would be happy to work with them on future projects. They have worked with us to give the client the solution they wanted.*

**Michael Gwynn,  
Senior Associate,  
Dyer-Grimes Architecture**

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## DESIGN BRIEF

Design and install climate control system for residential comfort throughout all rooms, comprising comfort cooling and ventilation. Replace and temporarily relocate landlord's ventilation system, for continued operation despite ongoing works.

## SOLUTION

The heritage property and sensitive architectural design required a sympathetic approach. Two comfort cooling systems were installed with hidden fan-coil units using narrow linear slot diffusers aligned architecturally within each space, with the micro fascia linear bar grilles to provide a non-visible termination.

In the study the micro fascia grilles were custom formed and finished in bronze to create an upper fixed panel of the bespoke joinery below. Fresh air was integrated to all terminations ensuring constant exchange of indoor air, via two internal Mechanical Ventilation Heat Recovery (MVHR) units mounted within the roofspace. Control of the system was integrated with the Home Automation system, allowing homeowners seamless control through one interface across the home, with the cooling and underfloor heating interlock protocol constantly ensuring optimum balance of temperature. A highly discreet finish was achieved throughout, preserving the striking impression of the interior design.

## 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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