

# BATTERSEA I PENTHOUSE

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## PROJECT PROFILE

A 10,000 sq.ft. penthouse property by Foster&Partners overlooking the Thames, with 270° views across the capital. An entire new fitout from the shell with strong client and London design team input.

## TECHNOLOGY

**Climate Control** - Comfort Cooling, Humidifiers, Heat Pumps

### **Mechanical Ventilation -**

Centralised Extract, Heat Recovery

### **Ductwork & Accessories -**

Ductwork, Volume Control, Fire Dampers, Access Panels

### **Diffusers & Grilles -**

Linear Diffusers, Linear Bar Grilles, Air Terminals

### **Filtration & Purification -**

Fibre Filters

### **Noise Management -**

Duct Attenuation

### **Controls & Monitors -**

Property-wide Control System



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**Contracts Manager,  
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## DESIGN BRIEF

From an outline specification, design, supply and install mechanical systems spanning air-conditioning, ventilation with integral humidification, across an approx. 10,000 sq.ft, 6-bedroom duplex penthouse.

## SOLUTION

This one-of-a-kind property was being designed by an international design team, with the client themselves closely involved with interior design and commissioned pieces. Calibre coordinated design development with the principal design team with requirements for the air-conditioning, ventilation and humidification systems. Air conditioning fan-coil units are positioned throughout the property, local to spaces they serve. The

double-height Gallery features perimeter slot diffusers, bespoke made to sit flush within feature curved ceilings. The bedroom suites use linear bar grilles in the walls for supply air and multi-slot diffusers above doorways for return. The towering Study bookcase features a bespoke grille integrated into the joinery for supply and return air. Humidity systems are connected with the property-wide ventilation to ensure a precise environment for an extensive private art collection to be housed within the property. A large external MVHR unit mounted on the external plant deck with attenuated ductwork serves the entire property, with additional smoke extract ventilation in the Cigar Library. In the Gym and Wellness Centre with sauna and steam room extract ventilation is provided with dedicated air-conditioning for the Gym.

## 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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