

NOTTING HILL III TOWNHOUSE

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PROJECT PROFILE

Full design and specification of discreet cooling and ventilation systems to a 5-bedroom, four-storey and basement stucco terraced townhouse in the heart of Notting Hill, for a luxury design-and-build firm and a renowned London architect.

TECHNOLOGY

Climate Control - Comfort Cooling

Mechanical Ventilation - MVHR System, Decentralised Extract, Centralised Extract

Ductwork & Accessories - Ductwork, Plenums, Volume Control, Fire Dampers, Access Panels

Diffusers & Grilles - Linear Diffusers, Joinery Slots

Noise Management - Acoustic Treatment, Duct Attenuation, Acoustic Enclosure

Controls & Monitors - Control System

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I have been very impressed with your solution-focused creativity!

Private client

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DESIGN BRIEF

Full detailed design and equipment specification from concept stage derived from the requirements of the end client. Furnished in classic contemporary style with Scandinavian influences, the system design was directed by the visual intent of the property to deliver a solution as discreet and seamless as possible.

SOLUTION

A narrow-gauge linear diffuser supplies the ground floor kitchen, positioned neatly along the ceiling line at the top of the joinery. A single slot plaster-in diffuser in the dining and lounge area on the first floor provides supply air while a fine-line plaster-in bar grille inside the bar alcove ceiling provides a path for return air, positioned outside of the main ceiling line to be beyond line of sight.

The bedrooms are supplied with a combination of discreet linear diffusers while the return air path is provided through a series of minimalistic joinery slots. In the master bedroom, the requirement for comfort cooling to be almost inaudible in this room led to attenuation of the unit for almost completely silent system operation. Climate control to the fourth-floor wellness room takes place through a single linear ceiling diffuser, aligned with the bespoke coving detail.

Invisible shadow gap details allow the MVHR unit to ventilate the property. Two condenser units are housed in an acoustic enclosure flush with the wall under the lightwell stairs, and the air conditioning system is fully integrated with the Lutron automation system.

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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