

Bishops Avenue_Case Study *ChimFlue*

Design Fireplaces

Client

Our client for this project was **Design Fireplaces** who had been awarded the contract for the fireplaces and flues on this exclusive Hampstead development by **Barratt Homes**.

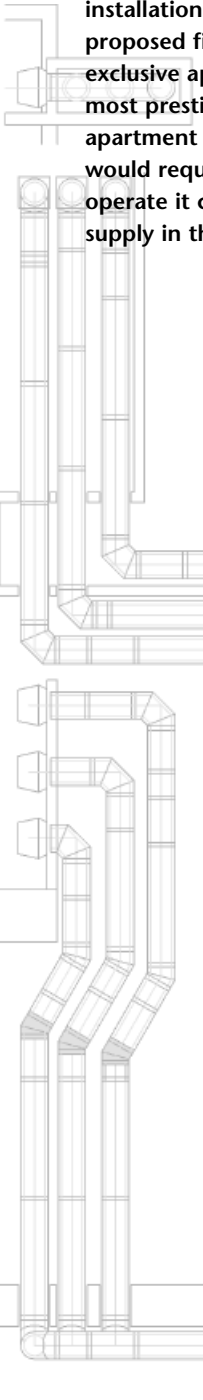
Project

The project involved the design, supply and installation of fanned flue systems to serve the proposed fireplaces within two separate blocks of exclusive apartments in Bishops Avenue, one of the most prestigious addresses in London. Each apartment was to have an open gas fireplace, which would require a suitable flue and fan system to operate it correctly with a fail-safe cut off in the gas supply in the event of fan failure.



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Design Fireplaces

Design

Key factors for the design included:

- All flues to run both horizontally and vertically within the building to find suitable riser locations.
- Minimal space to be lost within the apartments where the flues were to be boxed in, this involved bringing flues close together and running along underside of ceiling levels.
- Fan systems to be sized in accordance with Exhausto's recommendations to ensure no noise transmission at fireplace openings.
- Mechanical interlock to be provided to ensure that the gas supply to the fires is cut off in the event of fan failure.
- Fan systems not to be seen from ground level surrounding the building, the fans therefore needed to be wall mounted on purpose built brickwork piers from the flat roof surface.

Product Specification

The following product specification was used throughout the project:

- Specially fabricated 316 grade stainless steel insert gathers.
- Internal Flue – Poujoulat ZI – 316 grade stainless steel liner, 32mm insulation cavity, aluzinc case.
- External Flue – Poujoulat TI – 316 grade stainless steel liner, 32mm insulation cavity, 304 grade stainless steel case.
- Exhausto RSVG fan units in a wall mounted situation & EFC21 controls.

Installation

The installation of this project took place over an extended period as the apartments came ready for our works at various phases of the main contract. Our experienced engineers attended site and worked alongside the main contractor to ensure that the systems were integrated into the available space along with all other services as designed. In this instance, the main contractor supplied a crane and storage space for the large deliveries of flue products that were required.

