

Client: LFS/Clarion Homes

Project Description: Installation of mechanical ventilation within small residential block.

Project Duration: 3 months

Project Value: £115,000



Background: Retrofit damper and mechanical smoke ventilation.

Brief Description of Works: Avigail House is a 5 storey apartment block, served by one single stair core in the centre of the building. Installation of a façade window to the top of the stairwell which opens in the event of fire. On each floor, excluding the 5th floor a louvre damper has been fit on to the existing smoke shaft. Installation of a mechanical POD fan to the roof connected to EN1366 duct work which extends to the existing smoke shaft. In the event of fire the damper on the floor will open and the fan will turn on to extract smoke from that floor. As there was no means of a secondary power, we also fit a 33Kva generator which turns on automatically in the event of power loss.

Challenge: Due to road closure restrictions we only had one opportunity to lift all equipment needed on to the roof. The fan, generator, façade louvre and duct work had to be pre manufactured and organised for same day delivery to shut the road for minimal time and lift onto the roof.

Technical Solution: Forward planning to ensure materials were manufactured and delivered in time for the road closure.

Added Value: Weekend work to meet road closure restrictions.

Case Study

