

Centenary House

LONDON, UK



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2021

Centenary House is a modern apartment building set in a leafy suburb of Highams Park, London. Providing 45 one, two and three bedroom apartments with 50% affordable, including social rented and shared ownership.

Teal Products were approached by the electrical contractor on the project to help design, supply, install and commission the natural smoke ventilation system for the communal corridors and stairwell areas.

As a registered member of the IFC, our design team were able to specify a fully certified AOV and controls package to suit the building layout and fire strategy. Ensuring all products met the latest product standards and the systems comply with current building regulations.

An internal smoke shaft system was incorporated to provide smoke ventilation for the communal corridors. AOV smoke dampers (SV-W-D1) were supplied and fitted within each corridor, venting the smoke from those areas into the smoke shaft. At the head of the smoke shaft is an AOV roof louvre (SV-R-L1), this was programmed to open at the same time as one of the smoke dampers, releasing the smoke from the building.

In addition to the smoke shaft system an AOV (SV-R-RL1) was installed at the head of the communal stairwell, providing smoke ventilation for those exiting the building during a fire.

All AOV's are wired back to a central control unit (WSC 540) where our team were able to program the system parameters in line with the agreed cause and effect and fire strategy for the building.

Products



WSC 540



WSK 501



BG2/FOS



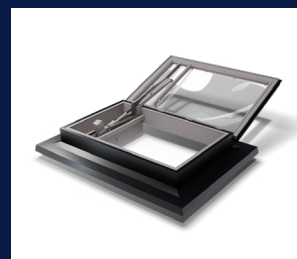
WLA 110



WLA 330



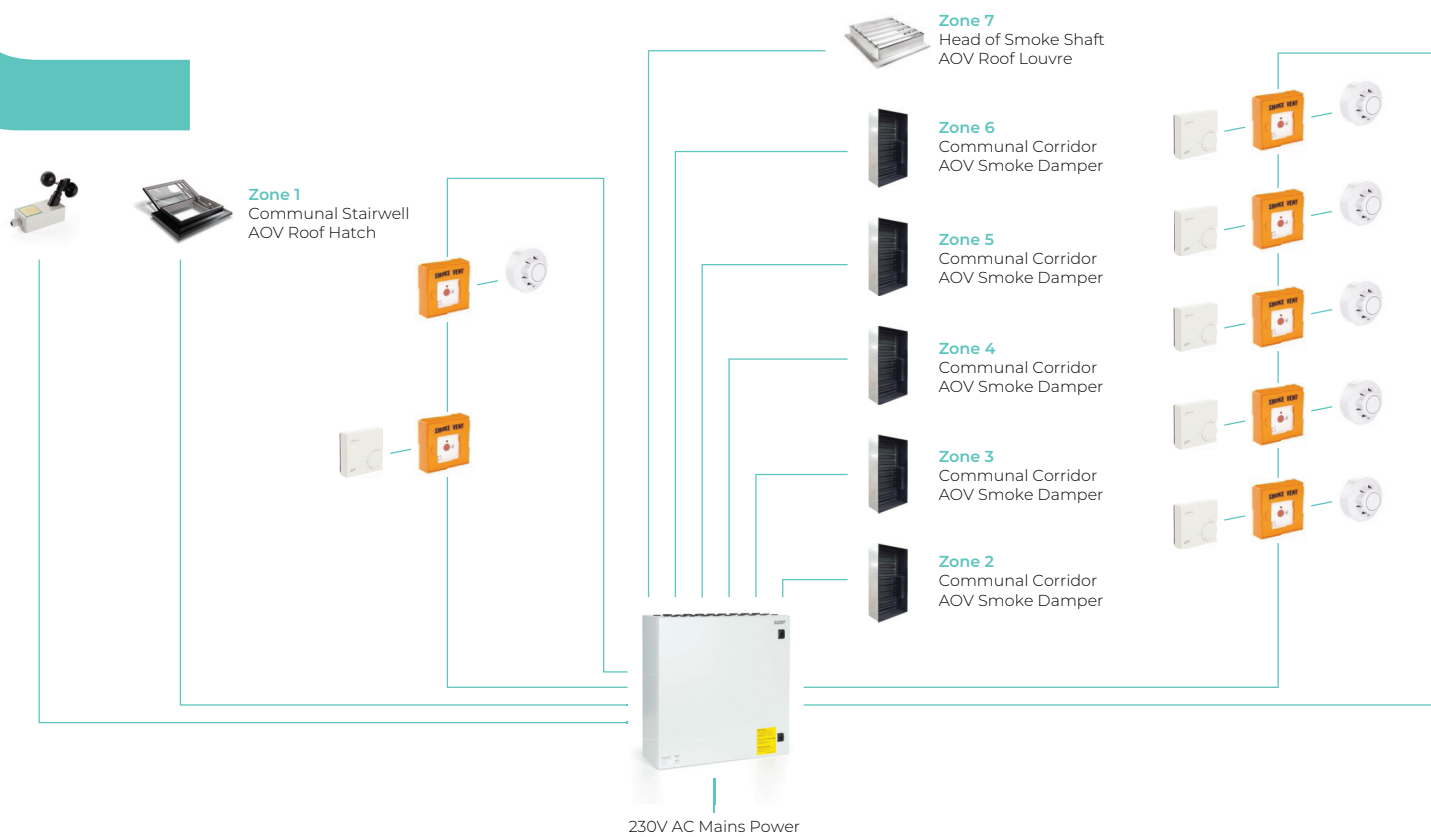
SV-W-D1



SV-R-RL1



SV-R-L1





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