

Merton Road

LONDON, UK



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2021

Merton Road is a new five-storey building comprising of 27 residential apartments located within South Wimbledon, London and consisting of 18 one-bedroom and 9 two-bedrooms apartments.

Teal Products were approached by the main 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 system complies with current building regulations.

A pair of internal smoke shaft systems were needed to provide smoke ventilation for the communal corridors. AOV smoke dampers (SV-W-D1) were supplied and fitted within each communal 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, allowing smoke to release from the building.

In addition to the smoke shaft system, an AOV roof hatch (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 520) 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 520



WSK 501



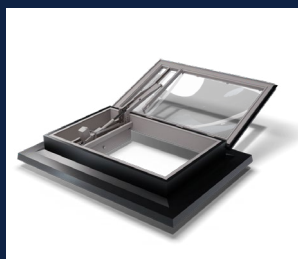
BG2/FOS



SSR-D



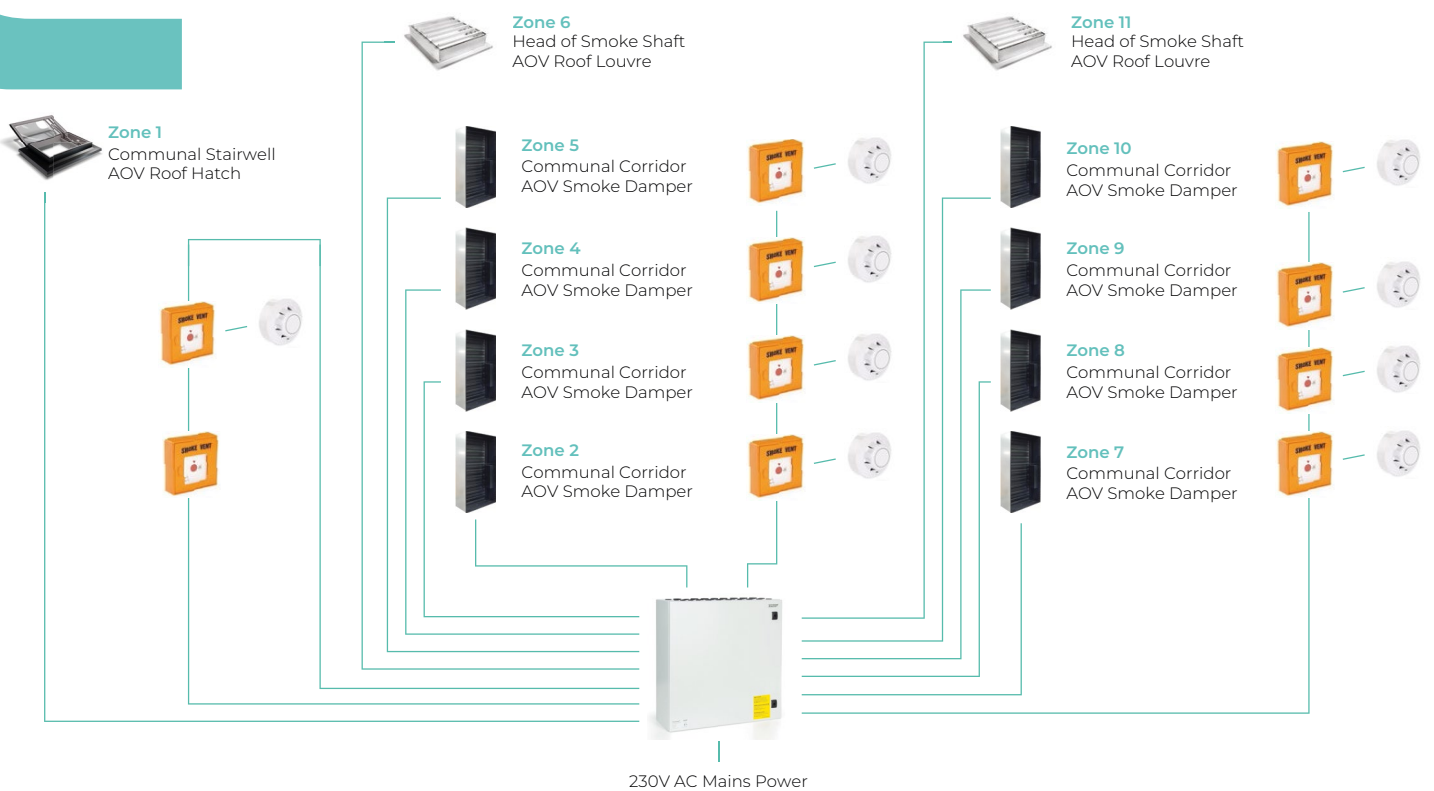
SV-W-D1



SV-R-RL1



SV-R-L1





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