

Case Study | Storage King, Heathrow

A variety of certified NSHEVs enable multi-zone smoke control systems



Project

Storage King Heathrow is a new self-storage facility in Hounslow, located minutes from Heathrow Airport.

Systems

D+H UK provided multiple smoke ventilation systems across the storage facility.

Smoke control panels operate numerous Natural Smoke and Heat Exhaust Ventilators (NSHEVs), proving smoke ventilation to the stairwells and corridors:

- + Four staircases vented at roof level
- + Five stair lobbies vented through a natural smoke shaft, outlet at roof level
- + Four stair lobbies vented through the facade via low profile aluminium louvres

Call point units are located throughout the building, enabling manual triggering if required.

Location:
Hounslow, West London

Products:
CPS-M Control Panels
RZN 4404-K V2 Control Panels
RT 45 Call Point Units
NSHEV Louvres
NSHEV Dome Vents
Smoke Dampers

- + NSHEVs tested & certified to EN12101-2
- + Shaft Dampers tested & certified to EN12101-8
- + Geometric free areas in accordance with Approved Document B

Systems are triggered manually from the call point units or via signals from the fire alarm.

In the event of a trigger within a lobby, the louvre / damper on the fire floor will open, along with the vent at the head of the staircase / shaft.

All remaining louvres & dampers will be locked out in the closed position, allowing for smoke to be drawn up and out of the affected area.

