

Case Study | Tatton Cinema

Natural and mechanical smoke ventilation systems at converted 1930s Cinema



Project

The 1930s-built Tatton Cinema has been transformed into modern retail units and apartments, keeping the original art-deco facade.

The building has two shop units either side of the old cinema entrance. The retail unit and seven apartments above, known as Tatton Place, are built out from the existing building. A new four storey building with 26 apartments known as Picture House is located at the rear.

Location:

Gatley, Stockport

Products:

- RZN 4404-K Control Panel
- RT 45 Breakglass Unit
- SD-O 371 Smoke Detector
- Lobby Smoke Damper
- NSHEV Roof Louvre
- NSHEV Dome Vent
- Fan Set

Tatton Place Apartments; Natural Smoke Ventilation

The communal stairwell system comprises of a single head of stair EN 12101-2 certified NSHEV dome vent, a smoke control panel and an RT 45 break glass unit.

Picture House; Mechanical Smoke Ventilation

A single smoke shaft serves the common corridor, with a set of fans on the roof. The fan set is fitted into the head of shaft, with an NSHEV roof louvre providing weather protection.

Dampers are on each level, providing an opening into the smoke shaft.

A control panel is installed to control the off duty and standby fans.

Two NSHEV dome vents provide natural smoke ventilation, one at the head of stairs and another above the corridor on level 3.

