

## **Fire Statement:**

### **Proposed Extension, 6 Latham Close, Twickenham**

**Proposed works:** Single Storey Side and Rear Extension. Hip to gable and rear dormer roof extension. Rooflights to front elevation

**Wall and Ceiling Finishes:** All wall and ceiling finishes to achieve a min. of **C-s3, d2** classification in line with Table 4.1 of Part B Vol. 1

**Cavity Barriers:** To be provided at the edges of cavities, including around openings, (such as window and doors openings). Additionally cavity barriers should be provided at the junction between an external cavity wall and a compartment floor or wall that separates buildings and at the top of such an external cavity wall except where the cavity is closed at the top, (unless fully filled with insulation).

**Fire Detection Systems:** All new dwelling houses to be provided with a fire detection and fire alarm system with a Minimum Grade D Category LD3.

The smoke and heat alarms should be mains-operated and have a standby power supply.

**Positioning of Smoke and Heat Alarms:** Smoke alarms to be positioned within circulation spaces between sleeping spaces. One smoke alarm is to be installed on each storey.

Where more than one alarm is installed they are all to be linked so that all alarms activate simultaneously.

Smoke alarms/detectors are to be sited within 7.5m of a door to every habitable room and be ceiling mounted at least 300mm from walls and light fittings.

**Power Supplies:** The power supply for a smoke alarm system is to be connected to the dwellinghouse's main supply and comprise of an independent circuit at the main distribution board.

**Fire Protection:** Structural fire resistance requirements in Approved Document B[1] for loft conversions require 30 minute fire resistance for floors with 30 minute fire resistance for elements of structure.

This will be achieved by underdrawing the first floor with 15mm Plasterboard.

Proposed steelwork will be fire protected to achieve 30 minutes using FireLine Plasterboard or Intumescent Paint.

**Means of escape:** First floor windows are to have a minimum cill height of 800mm and a maximum of 1100mm above the FFL.

The first floor bedroom windows are to be provided with escape windows in line with the following;

- Minimum opening area of 0.33m<sup>2</sup>
- Minimum clear height of 450mm
- Minimum clear width of 450mm

**Access for the fire and rescue service:** Access will be unchanged from existing