

# Fire Strategy Document

## 43 Astbury Road, London SE15 2NL

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He provides Building Regulations and Fire Safety advice for clients such as The Cabinet Office, Pizza Express and City Lit.

He has successfully completed similar Planning Fire Strategy Documents in Greater London

### 1. General comments.

43 Astbury Road, London SE15 2NL is located in the London Borough of Southwark. It is a 2 storey plus loft conversion terraced property with existing masonry brick construction, timber structural floors, plastered walls and a tiled roof.

The proposal is to provide a rear / side extension using traditional materials. 3no. Velux rooflights will be installed to rear roof. These rooflights achieve a BROOF(t4) classification and are in accordance with table 12.1 of Approved Document B1 – Limitations on Roof coverings.

The design is in accordance with Approved Document B1

The building is currently and will remain a single family dwelling.

### 2. Information on space provisions for fire appliances and assembly points (criteria 1).

Fire Brigade Access is via the front entrance on 43 Astbury Road SE15. The width of the road is greater than 3.7m and therefore complies with Approved Document B1 Table 13.1.

Although the extension increases the distance for the Fire Brigade hose it is well within the 45m requirement contained in Approved Document B1 clause 13.1. The extension replicates many similar developments in the area.

*13.1 For dwellinghouses, access for a pumping appliance should be provided to within 45m of all points inside the dwellinghouse*

### 3. Information on passive and active safety measures (criteria 2).

Heat and smoke detection will be provided in accordance with BS5839 Part 6 within the entrance hallway and the extension area. An independently certified ( in accordance with BS476 Part 22) FD20 door and 30 minute fire rate enclosure will be provided to the kitchen and remodelled hallway to maintain a protected escape route from the upper floor levels.

This is in accordance with Approved Document B1. There is a WC located in the hallway but this doesn't require a fire door.

A 30 minute fire rated enclosure and fire door will be installed to the utility room.

#### **4. Information and data on construction products and materials (criteria 3).**

Walls to the side elevation of the extension will comprise cavity masonry wall which provides 60 minutes fire protection. This is in accordance with Approved Document B1.

Wall insulation will be mineral wool which is non combustible. The side pitched roof contains 3 no velux windows which have unwired glass greater than 4mm so is graded as BROOF(t4) in accordance with table 12.1 of Approved document B1.

Ceiling linings will be plasterboard which typically achieves a class B – s3, d2 European classification or Class) (National Classification).

Structural steel work will be encased in fireline plasterboard to achieve 30 minutes fire protection in accordance with table B4 of Approved Document B1.

#### **5. Information on means of escape and evacuation strategy (criteria 4).**

Means of escape from the kitchen / dining area is via the entrance hall and the final exit / entrance door.

As the property has a loft conversion, it is required to have a protected escape route which will be maintained by virtue of the fire rated enclosures to the kitchen and utility rooms.

#### **6. Information on access and equipment for firefighting (criteria 6).**

Access to the property will be via the front door.

Due to the low height of the premise this is acceptable and there is no requirement to fit hydrants or provide firefighting equipment or shafts etc.

No alternative water supply is required and on street hydrants will be utilised.