

Fire statement form

| Application information | |
|---|--|
| 1. Site address line 1 | 14 Charlotte Street |
| Site address line 2 | |
| Site address line 3 | |
| Town | London |
| County | |
| Site postcode (optional) | W1T 2LX |
| 2. Description of proposed development including any change of use (as stated on the application form): | <p>Overview</p> <p>The proposed application consists of internal alterations from first to third floor and the formation of an additional floor to create a fourth floor within a mansard roof. The existing first and second floor will be converted into a duplex flat. The third and fourth floor will form a second duplex flat.</p> <p>The works will consist of the following:</p> <p>Demolition</p> <ul style="list-style-type: none"> • Demolish existing roof and associated structures to allow for new construction • Do soft strip to remove all internal doors, cupboards, ducting, skirtings and architraves • Demolish internal walls where necessary • Remove all builder's rubble safely from site • Safely terminate all incoming services where necessary • Strip out floorboards and ceilings as required • Hack off plaster to all walls depending on the condition of the existing walls <p>Structure</p> <ul style="list-style-type: none"> • Structural engineer to provide a scheme of new structural elements to accommodate new construction. • Contractor to provide temporary support where necessary to accommodate new structure • All new structural and loadbearing walls and other elements to be constructed to engineers' design • All works above third floor to be thermally insulated to comply with building regulations <p>Internal works</p> <ul style="list-style-type: none"> • Form new stud partitions according to new layout • Form openings in the floor for link-stairs in duplex flats • Create openings for new doors as required |

| | |
|---|---|
| | <p>Plumbing, heating and electrical services</p> <ul style="list-style-type: none"> • Install new kitchens and sanitary appliances to suit • Install all new cabling, pipework, ductwork and services to suit • Instal new gas boilers to serve kitchens and bathrooms • Install new radiators and towel radiators as required • Provide smoke and heat detection to comply with building regulations |
| <p>3. Name of person completing the fire statement (as section 15.), relevant qualifications and experience.</p> <p>Guide: no more than 200 words</p> | <p>Anthony Jones Bsc Fire Safety Engineering. W07 Fire Risk Assessment in complex buildings. 20 + years within the fire safety and protection industry including carrying out fire risk assessments, type 1 – 4, fire strategies, evacuation plans, fire protection design and verifications.</p> |
| <p>4. State what, if any, consultation has been undertaken on issues relating to the fire safety of the development; and what account has been taken of this.</p> <p>Guide: no more than 200 words</p> | <p>The statement has been compiled from the drawings and information provided by Heriot UK Ltd</p> <p>There has been no information provided on any consultation that has been undertaken on issues relating to the fire safety of the development.</p> |

5. Site layout plan with block numbering as per building schedule referred to in 6.
(consistent with other plans drawings and information submitted in connection with the application)

Site layout plan is:



0 5 10 20 30 40 50 75 100
Scale: 1:1250 @ A3



| | |
|--|--------|
| FOR PLANNING | |
| LFF | |
| LFF CONSULTANTS LTD 100, 101, 102 103, 104, 105 106, 107, 108 109, 110, 111 112, 113, 114 | |
| 14 CHARLOTTE ST LONDON W1T 2JX | |
| SITE LOCATION PLAN | |
| 08.08.16 | 210001 |
| 1:1250 @ A3 | B2 |

| | | | | | | | | | |
|--|--|-----------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | Choose an item. | | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. |
| | | Choose an item. | | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. | Choose an item. |

7. Specific technical complexities

Explain any specific technical complexities in terms of fire safety (for example green walls) and/or departures from information in building schedule above

Guide: no more than 500 words

There are no technical complexities with the proposed drawings referenced for this statement.

8. Issues which might affect the fire safety of the development

Explain how any issues which might affect the fire safety of the development have been addressed.

Guide: no more than 500 words

As per Approved Document B Section 7.4:

Dwellings with a top storey more than 11m above ground level should be fitted with a sprinkler system throughout the building in accordance with Appendix E.

The building is over the maximum 11m being 11.62m from ground level to the floor level of the fourth floor. The stairwell is also open with all flats opening directly onto the escape route at each level. As per the guidance it therefore requires a sprinkler system to be installed throughout the building in accordance with BS9251.

There is no information on the compartmentation of the building. It should therefore be noted that each flat should be compartmented to withstand fire for a minimum of 60 minutes with FD60s entrance fire doors installed to each flat. The stairwell should be compartmented to 60 minutes.

It should also be noted that the compartmentation between the residential areas and the commercial unit located on the ground floor and basement areas, (not included within the report), should also be a minimum of 60 minutes fire resistance.

An automatic openable vent should be provided at the head of the stairwell and linked to the fire alarm system. This should operate on activation of the devices.

There has been no information given on the travel distances so it should be noted that there should be no more than 9m from the furthest point of a room to a protected area. This should be confirmed by the design team.

9. Local development document policies relating to fire safety

Explain how any policies relating to fire safety in relevant local development documents have been taken into account.

Guide: no more than 500 words

The author of this statement was not issued with any relevant local development documents to be taken into account within this statement.

Emergency road vehicle access and water supplies for firefighting purposes

10. Fire service site plan

Explanation of fire service site plan(s) provided in 14. including what guidance documents have informed the proposed arrangements for fire service access and facilities?

Guide: no more than 200 words

Little information has been provided on the fire service plan so the guidance within section 14 should be followed, confirmed and incorporated by the design team.

Access for the fire service will be from Charlotte Street.

Local authority hydrants should be available from Charlotte Street it should be confirmed that these are within the 90m requirement.

11. Emergency road vehicle access

Specify emergency road vehicle access to the site entrances indicated on the site plan

Guide: no more than 200 words

Access to the property will be from Charlotte Street.

Is the emergency vehicle tracking route within the site to the siting points for appliances clear and unobstructed?

yes

12. Siting of fire appliances

Guide: no more than 200 words

To support a simultaneous evacuation a fire alarm system in accordance with BS5839-6 Grade A is required to be installed. This includes a fully addressable control panel to be installed within the ground floor entrance lobby, each flat requires having a heat detector installed within 1m of the entrance door. Detection should also be installed within the communal stairwell at each level including the ground floor.

It should be noted that the sprinkler system and the AOV system should be connected to the fire alarm system.

The sprinklers system requires to be interfaced with the fire alarm system by the means of a flow switch so that a fire alarm signal is given by the buildings fire alarm system when a sprinkler head operates in accordance with BS9251 2014 section 5.13 alarm system.

An automatic openable vent should be installed at the head of the staircase and should open on activation of any device to allow the extract of smoke from the escape route.

Within the flats it is required that a fire alarm system in accordance with BS5839-6 Grade D LD1 which includes installations of heat detectors within kitchen areas, and smoke detection within every habitable room to provide the earliest means of warning to occupants.

13. Suitability of water supply for the scale of development proposed

Guide: no more than 200 words

There was no information provided on the suitability of the water supply for scale of the development this should be confirmed by the design team.

Nature of water supply:
hydrant- public

Does the proposed development rely on existing hydrants and if so are they currently usable / operable?
don't know

14. Fire service site plan

Fire service site plan is:
inserted in the form

The nearest Fire Station is Soho Fire Station located at 126 Shaftesbury Avenue, London, W1D 5ET. Assuming the simple example that an initial response would be from that fire station, then fire vehicles will be able to approach the site via Phillimore Gardens.

Fire personnel can the building from any of the main entrance at the front of the property on Charlotte Street.

The vehicles can park on Charlotte Street.

The existing road route to the building is unchanged by this building project.

No height, width or speed limiting road features are known to the immediate approach roads or to Charlotte Street itself. These should be minded and considered by the design team and detailed as applicable in subsequent fire strategy reports.

Parking and any turning facility will be planned for within LFB Guidance Note 29 (October 2019 edition). Vehicle tracking plan to be provided as part of subsequent fire strategy reports.

Pump appliance access should be provided to within 18m of each fire main inlet connection point on the face of the building and be visible from the appliance in accordance with BS 9990.

Fire appliances should not be required to reverse more than 20m in accordance with Approved Document B.

Fire hydrants should be identified within 90m distance from the building.

Reference to the National Guidance on the Provision of Water for Firefighting (3rd Edition 2007) should be made in subsequent fire strategy reports. The pressure and flow in the existing water main are sufficient for expected Fire Service operations is to be confirmed.

Fire statement completed by

15. Signature



020 3909 9155
info@londonfireprevention.co.uk
Company no: 11320281

A handwritten signature in black ink, appearing to be 'AJ' with a flourish.

Anthony Jones

16. Date

22/12/2021