

**Report  
for  
London Borough of Hammersmith and Fulham**



**FIRE RISK ASSESSMENT  
OF  
SHACKLETON COURT, SCOTTS ROAD, LONDON**

October 2022

Responsible Person (e.g. employer) or person having control of the premises:	London Borough of Hammersmith and Fulham (LBHF)
Address of Premises:	Shackleton Court, Scotts Road, London W12 8HQ
Person(s) Consulted:	Mr J. Stone, Building Safety Manager
Assessor:	A. Fox
Report validated by:	S. Daws
Date of Fire Risk Assessment:	6 <sup>th</sup> September 2022
Date of Previous Fire Risk Assessment:	21 <sup>st</sup> October 2021
Suggested Date for Review <sup>1</sup> :	September 2023
BAFE SP205 Certificate Number:	LS0201779

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<sup>1</sup>This risk assessment should be reviewed by a competent person by the date indicated above or at such earlier time as there is reason to suspect that it is no longer valid, or if there have been significant changes, or if a fire occurs.

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## INTRODUCTION

### About This Report

This report is intended to assist you in compliance with Article 9 of the Regulatory Reform (Fire Safety) Order 2005 (as amended), hereinafter referred to as the “Fire Safety Order”, which requires that a risk assessment be carried out.

The report begins by setting out general information relating to the premises (Sections 1-7). This is followed by consideration of fire hazards that may be present and the measures to eliminate or control them (Sections 8-17). The measures in place to protect people in the event of fire are considered next (Sections 18-25), followed by a review of the arrangements for managing fire safety in your premises (Sections 26-29). We then conclude with our qualitative assessment of the risk to life from fire.

### Recommendations

Our recommendations are outlined in an Action Plan. This sets out the measures it is considered necessary for you to take to satisfy the requirements of the Fire Safety Order and to protect people from fire. It is particularly important that you study the Action Plan, and, if any recommendation in the Action Plan is unclear, you should seek clarification.

You are advised that this risk assessment forms only the foundation for management of fire safety in your premises and compliance with the Fire Safety Order. You should act on the recommendations in the Action Plan and record what you have done. This will demonstrate to the enforcing authority your commitment to fire safety and to fulfilling your legal obligations.

### Reviewing Your Fire Risk Assessment

The Fire Safety Order requires that you keep your risk assessment under review. A date for routine review is given on the front of this report, but you should review the report sooner should there be any reason to suspect it is no longer valid, if a significant change takes place or if a fire occurs.

### Record of Fire Safety Arrangements

The Fire Safety Order requires that you give effect to “*arrangements for the effective planning, organisation, control, monitoring and review of the preventive and protection measures*”. These are the measures that have been identified by the risk assessment as the general fire precautions you need to take to comply with the Fire Safety Order. You must record these arrangements. While this fire risk assessment is not the record of the fire safety arrangements to which the Fire Safety Order refers, much of the information contained in this report will coincide with the information in that record.

### Scope and Limitations of the Fire Risk Assessment

We have conducted the fire risk assessment in accordance with the Fire Industry Association’s publication ‘Fire Risk Assessors – Standard Scope of Services’.

We have based our assessment on the situation we were able to observe while at the premises and on information provided to us, either verbally or in writing. Unless otherwise stated, our surveys do not involve destructive exposure, and it is not always possible to inspect all rooms and areas, nor inspect less readily accessible areas, such as voids above ceilings. Therefore, it is necessary to rely on a degree of sampling and also reasonable assumptions and judgement.

## **External Wall Construction of Buildings**

Consideration has been given to external wall construction within this fire risk assessment. However, consistent with guidance to fire risk assessors from the Fire Industry Association (FIA), detailed appraisal of the fire risks of external walls and any cladding are excluded from the scope of this current fire risk assessment.

Accordingly, this fire risk assessment may recommend that further appraisal of the fire risks associated with external wall construction and any cladding be carried out. In this case, it is strongly recommended that you obtain advice from qualified and competent specialists on the nature of, and fire risks associated with, the external wall construction, including any cladding, of this building.

Any such appraisal by specialists should comply with the recommendations set out in PAS 9980.

## **Dangerous Substances**

This fire risk assessment has considered dangerous substances that are used or stored in your premises, only to the extent necessary to determine the adequacy of the *general fire precautions* (as defined in Article 4 of the Fire Safety Order) and to advise you accordingly. If dangerous substances are used or stored in your premises, you should ensure that you have met the duties under the Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) that apply to you, including carrying out a risk assessment of the relevant work activities.

## **BAFE SP205 Scheme**

We are certificated under the BAFE Fire Protection Industry Scheme SP205 Part 1 Life Safety Fire Risk Assessment and are authorised to issue a certificate of conformity for this fire risk assessment. You will find this at the end of this report.

## **Disclaimer**

The purpose of this report is to provide an assessment of the risk to life from fire, and, where appropriate, to make recommendations to ensure compliance with fire safety legislation. The report does not address the risk to property or business continuity from fire.

The submission of this report constitutes neither a warranty of future results by C.S. Todd & Associates Ltd, nor an assurance against risk. The report represents only the best judgement of the consultant involved in its preparation, and is based, in part, on information provided by others. No liability whatsoever is accepted for the accuracy of such information.

## EXECUTIVE SUMMARY

This fire risk assessment relates to a purpose-built block of flats. Our assessment is that the risk to life from fire in these premises is 'Moderate' as defined later in this report. We have concluded this by taking into account the likelihood of fire and the consequences for life safety in the event of fire.

The reasons for classifying the building as a 'Moderate' risk are as follows:

- The doors protecting the staircases are in poor condition, with loose glazing and damaged glazing beads.
- It could not be ascertained if the glass within the staircase screens is fire-resisting glass.

The other main findings are:

- One flat entrance door was not fitted with a self-closing device and it was not possible to confirm whether all other flat entrance doors were fitted with self-closing devices.
- It was not possible to confirm if remedial works had taken place on the ventilation system in all flats.

Full details of the findings can be found later in this report and our recommendations are set out in the Action Plan.

It is essential that the recommendations referred to above are given suitable priority.

## GENERAL INFORMATION

### 1. THE PREMISES

- 1.1 Number of floors at ground level and above: 11 (see Section 5 below).  
Number of floors entirely below ground level: 0  
Floors on which car parking is provided: 0
- 1.2 Number of flats: 38
- 1.3 Brief details of construction and approximate age of building:  
Built in the 1970s, the building is a purpose-built tower block of concrete frame construction, with concrete floors, brick exterior walls and a flat, concrete roof where plant rooms are located.
- 1.4 Occupancy:  
Residential – purpose-built block of flats.

### 2. THE OCCUPANTS

- 2.1 Approximate maximum number of employees at any one time: There are no employees permanently based on the premises (see Section 5 below).
- 2.2 Approximate maximum number of residents and visitors at any one time: 114 (See Section 5 below.)

### 3. OCCUPANTS ESPECIALLY AT RISK FROM FIRE

- 3.1 Sleeping occupants: 114 (See Section 5 below.)
- 3.2 Occupants in remote areas and lone workers: Occasional contractors.
- 3.3 Others: None.

### 4. FIRE LOSS EXPERIENCE

<u>Date</u>	<u>Brief details</u>	<u>Cause</u>	<u>Action taken (if any)</u>
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None since the last fire risk assessment.

### 5. OTHER RELEVANT INFORMATION

- Shackleton Court is a purpose-built block of residential flats. The main entrance to the flats is at street level at the front of the block, and there is a secondary exit to the rear of the block. The ground floor comprises the main access lobby, tenants' stores and refuse stores. There are 10 residential floors above the ground floor, which contain a total of 38 flats. There are four self-contained flats on each floor, from the first floor to the ninth floor. The 10<sup>th</sup> floor has two flats. The flats on the first to the ninth floor are

accessed by means of a lift lobby, with access to the lifts and two staircases. The flats on the 10<sup>th</sup> floor open into a lobby and have access to both staircases.

- There is a mix of two and three-bedroom flats, most of which are occupied by tenants of LBHF; some are leasehold.
- This risk assessment relates to:
  - Fire precautions within the common parts and other areas controlled by the client.
  - Fire protection systems that are the responsibility of the client.
- The common parts comprise the entrance lobby, staircases, corridors, lifts, service and electrical riser cupboards, the bin room, storage areas, plant and service rooms, roof-level lift motor room and water tank rooms.
- The water tank rooms are accessed by means of a metal fire-resisting door, which is secured by a 'Gerda' key, directly off the lobby on the 10<sup>th</sup> floor. This door also provides access to the flat roof area and the two lift motor rooms, which are located behind two further fire-resisting doors.
- The maximum numbers detailed in 2.2 and 3.1 have not been calculated, as details were not available. However, the expectation is that the maximum occupancy will be around 114 persons, including visitors in the residential areas of the building at any one time.
- No employees or contractors are normally based in the premises. However, the premises are subject to periodic visits by LBHF staff.
- While the occupants of the flats are 'relevant persons', the flats, as domestic dwellings, are outside the scope of the Regulatory Reform (Fire Safety) Order 2005.
- However, as part of the survey of common areas, two of the flats were accessed in previous fire risk assessments to confirm the suitability of the fire safety arrangements that are the responsibility of the client and to establish the nature of the fire separation between the flats and the common parts. Accordingly, a Type 1 risk assessment, as defined in the Local Government Association's guidance on Fire Safety in Purpose-Built Blocks of Flats, has been carried out.
- This is a 'general needs' block, and there may be occupants with varying degrees of physical disability in line with the general population.
- The client has limited control over privately owned leasehold flats within the premises.
- It should be noted that it is not normal practice to apply the current guidance relating to the design and construction of new buildings retrospectively when assessing existing buildings, other than where the original design principles are far removed from those acceptable today. Nevertheless, it is appropriate to consider developments in fire safety technology and practice that could be reasonably applied to an existing building. Therefore, we have considered such developments.
- Access to view flat entrance doors in occupied flats was not pursued. However, as all of the flat entrance doors have been recently replaced, a recommendation to check these doors has not been made.
- Of note, a fire sprinkler system is being provided within each flat, although this work is not complete or commissioned. The type of sprinkler system is unknown, but appears to be a BS 9251 residential system.
- It was not possible to gain access to the pump room on the ground floor, as the doors have been replaced with a metal security door, and the contractor installing the sprinkler system had not provided LBHF with the new keys.

## 6. REFERENCES

- Account has been taken of the guidance supporting the legislation that is relevant to the premises, including the Local Government Association's *Fire Safety in Purpose-Built Blocks of Flats, Housing – Fire Safety. Guidance on fire safety provisions for certain*



*types of existing housing* (originally produced by LACoRS<sup>2</sup>) and HM Government's *Fire Safety Risk Assessment – Sleeping Accommodation*.

- Where relevant, reference may also have been made to the guidance supporting the Building Regulations and other sources applicable to new buildings. However, this does not imply that existing premises should be brought up to current day standards retrospectively.
- The full titles of British Standards and other references used or quoted in the report are given on the last pages.

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<sup>2</sup> Local Authorities Coordinators of Regulatory Services.

## 7. RELEVANT FIRE SAFETY LEGISLATION

7.1 The following fire safety legislation applies to these premises:

Regulatory Reform (Fire Safety) Order 2005 (as amended).

7.2 The above legislation is enforced by:

Local fire and rescue authority.

7.3 Other legislation that makes significant requirements for fire precautions in these premises [(other than the Building Regulations 2010 (as amended))]:

Housing Act 2004.

7.4 The other legislation referred to above is enforced by:

Local authority.

7.5 Is there an alterations notice in force?

Yes ☐

No ☒

7.6 Relevant information and deficiencies observed:

- Unless otherwise stated, the risk assessment is limited in its scope to the areas covered under the Fire Safety Order and includes common access stairways and corridors, common facilities and any fire prevention and fire protection measures necessary to safeguard the use of the common areas of the premises.
- It should be noted that the Housing Act 2004 applies to the whole of the premises, and additional fire safety measures may be required under the Housing Act in areas not within the scope of the Fire Safety Order.
- You are reminded that material alterations involving means of escape, fire warning systems or structural fire precautions require approval from a building control body.

## FIRE HAZARDS AND THEIR ELIMINATION OR CONTROL

### 8. ELECTRICAL SOURCES OF IGNITION

8.1 Are reasonable measures taken to prevent fires of electrical origin? Yes 

✓	No

8.2 More specifically:

a) is the fixed installation periodically inspected and tested? N/A 

--

 Yes 

✓	No

 Unk<sup>3</sup>

b) is electrical appliance testing carried out<sup>4</sup>? N/A 

✓
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 Yes 

	No

8.3 Relevant information (including description of arrangements and deficiencies observed):

- LBHF's policy is to subject the fixed installations serving the common parts of the premises to periodic inspection and test every five years.
- The last periodic inspection was completed in May 2016 and is now due.
- The fixed installations within tenanted flats are subject to periodic inspection and test in accordance with LBHF's policy and on change of tenancy.
- There are no portable electrical appliances within the common parts.
- The fixed installations and portable appliances within the flats have not been considered.

### 9. SMOKING

9.1 Are reasonable measures taken to prevent fires as a result of smoking? Yes 

✓	No

9.2 More specifically:

a) is smoking prohibited in appropriate areas? N/A 

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 Yes 

✓	No

b) are there suitable arrangements for those who wish to smoke? N/A 

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 Yes 

✓	No

c) did the smoking policy appear to be observed at the time of inspection? N/A 

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 Yes 

✓	No

d) are "No smoking" signs provided in the common areas? Yes 

✓	No

9.3 Relevant information (including description of arrangements and deficiencies observed):

- Smoking is not permitted in the common areas.
- There was no evidence of smoking in these areas at the time of the survey.
- Not considered in relation to flats, where it is foreseeable that some occupants may smoke.

<sup>3</sup> Unk: "Unknown".

<sup>4</sup> Formerly known as Portable Appliance Testing (PAT).

## 10. ARSON

- 10.1 Does basic security against arson by outsiders appear reasonable<sup>5</sup>? Yes ☒ No ☐
- 10.2 Is there an absence of unnecessary fire load in close proximity to the premises or available for ignition by outsiders? Yes ☒ No ☐
- 10.3 Relevant information (including description of arrangements and deficiencies observed):
- The main entrance doors to the premises are secured to prevent unauthorised access.
  - Refuse bins are stored in an internal bin room.
  - CCTV is provided to cover the common areas and entrances on the ground-floor level.

## 11. PORTABLE HEATERS AND HEATING AND VENTILATION INSTALLATIONS

- 11.1 Is there satisfactory control over the use of portable heaters? N/A ☒ Yes ☐ No ☐
- 11.2 Are fixed heating and ventilation installations subject to regular maintenance? N/A ☒ Yes ☐ No ☐  
Unk
- 11.3 Relevant information (including description of arrangements and deficiencies observed):
- There are no portable heaters in use in the common parts.
  - There is no fixed heating provided in the common parts.
  - Heating systems and portable heaters within individual flats have not been considered.

## 12. COOKING

- 12.1 Are reasonable measures taken to prevent fires as a result of cooking? N/A ☒ Yes ☐ No ☐
- 12.2 Relevant information (including description of arrangements and deficiencies observed):
- There are no cooking facilities provided within the common parts.
  - Cooking facilities in flats have not been considered.

## 13. LIGHTNING

- 13.1 Does the building have a lightning protection system? Yes ☒ No ☐
- 13.2 Relevant information and deficiencies observed:
- None.

## 14. HOUSEKEEPING

- 14.1 Is the overall standard of housekeeping adequate? Yes ☐ No ☒

<sup>5</sup> C.S. Todd & Associates Ltd are not specialists in the field of security. If specific advice on security (including security against arson) is required, the advice of a security specialist should be obtained.

14.2 More specifically:

a) do combustible materials appear to be separated from ignition sources?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
b) is unnecessary accumulation or inappropriate storage of combustible materials or waste avoided?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
c) are gas and electricity intake/meter cupboards adequately secured and kept clear of combustible materials?	N/A	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	No	<input type="checkbox"/>

14.3 Relevant information (including description of arrangements and deficiencies observed):

- It is important that the common parts that form escape routes from the building are kept free of combustible materials and ignition sources.
- A 'zero tolerance' approach has been introduced, which prohibits the storage of combustible materials and residents' possessions in the common escape routes.
- This policy is communicated to all residents.
- The situation is monitored on a regular basis by LBHF staff, during periodic estate inspections of the premises.
- The overall standard of housekeeping in the common escape routes, staircases and corridors was reasonable, with only two significant risks identified.
- However, the store area housing the bins is used, on occasion, for the temporary storage of larger items of furniture and goods awaiting collection for disposal and, at the time of the assessment, tyres and a mattress were present in this area.
- The electric distribution equipment for the flats is situated in service riser cupboards in the common corridors to the flats. The doors to the cupboards are secured.

## 15. HAZARDS INTRODUCED BY OUTSIDE CONTRACTORS AND BUILDING WORKS

15.1	Is there satisfactory control over works carried out in the building by contractors?	N/A	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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15.2 Relevant information (including description of arrangements and deficiencies observed):

- LBHF uses approved contractors, who are required to submit method statements, risk assessments for safe systems of work and, where necessary, arrangements for 'hot work' to the client.
- LBHF also undertakes ongoing monitoring of work carried out by external contractors and internal direct labour maintenance staff when they are on site.

## 16. DANGEROUS SUBSTANCES<sup>6</sup>

16.1	Are the general fire precautions adequate to address the hazards associated with dangerous substances used or stored within the premises <sup>7</sup> ?	N/A	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
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<sup>6</sup> For the purpose of this risk assessment and the Fire Safety Order, dangerous substances are primarily explosive, highly flammable or flammable substances and oxidizing agents.

<sup>7</sup> Small quantities with negligible impact on the appropriate fire precautions need not be taken into account.

16.2 Relevant information and deficiencies observed:

There are no dangerous substances used or stored in the common parts.

**17. OTHER SIGNIFICANT FIRE HAZARDS THAT WARRANT CONSIDERATION**

17.1 Hazards:

None.

17.2 Relevant information and deficiencies observed:

—

## FIRE PROTECTION MEASURES

### 18. MEANS OF ESCAPE

18.1	Is the design and maintenance of the means of escape considered adequate?	Yes	<input style="width: 30px; height: 20px;" type="checkbox"/>	No	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
18.2	More specifically:				
	a) are there reasonable distances of travel:				
	• where there is escape in a single direction?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	• where there are alternative means of escape?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	b) is there adequate provision of exits?			Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	c) do fire exits open in the direction of escape, where necessary?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	d) are the arrangements provided for securing exits satisfactory?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	e) is the fire-resisting construction (including any glazing) protecting escape routes and staircases of a suitable standard and maintained in sound condition <sup>8</sup> ?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	f) is the fire resistance of doors to staircases and the common areas considered adequate, and are the doors maintained in sound condition <sup>9</sup> ?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input style="width: 30px; height: 20px;" type="checkbox"/>
	g) are suitable self-closing devices fitted to doors in the common areas?	N/A	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>
	h) is the fire resistance of doors to meter cupboards/storerooms/plant rooms in the common areas considered adequate, and are they adequately secured and/or fitted with suitable self-closing devices <sup>9</sup> ?	N/A Unk	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input style="width: 30px; height: 20px;" type="checkbox"/>
	i) is the fire resistance of flat entrance doors considered adequate, and are doors maintained in sound condition <sup>9</sup> ?	Unk	<input style="width: 30px; height: 20px;" type="checkbox"/>	Yes	<input checked="" style="width: 30px; height: 20px;" type="checkbox"/>

<sup>8</sup> This fire risk assessment is based on visual inspection of readily accessible areas, with a degree of sampling where appropriate. It will not necessarily identify all minor fire stopping issues that might exist within the building. If you become aware of other fire stopping issues, or are concerned about the adequacy of fire stopping, you may wish to consider arranging for an invasive survey by a competent specialist.

<sup>9</sup> Based on the sampling we have undertaken, we have made assumptions regarding the adequacy of the fire-resisting doors. However, this fire risk assessment is not intended to be a full compliance survey of the building and there may be other doors that are of a different standard to those seen or which require maintenance. Where issues associated with maintenance are obvious, recommendations are made in the action plan. However, we do not warrant that all such issues have been found and your attention is drawn to the importance of periodic inspection of fire-resisting doors.

- |  |                              |   |  |
|--|------------------------------|---|--|
| j) are suitable self-closing devices fitted to flat entrance doors and, where fitted, maintained in good working order?  | Unk <input type="checkbox"/> | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| k) are there adequate smoke control provisions to protect the common escape routes, where necessary?                     | N/A <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| l) are all escape routes clear of obstructions?  | N/A <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| m) are all fire exits easily and immediately openable?   | N/A <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| n) is it considered that the premises are provided with reasonable arrangements for means of escape for disabled people? | N/A <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

18.3 Relevant information (including description of arrangements and deficiencies observed):

- This is a purpose-built block of flats, and it is our understanding that the design principles embodied in the relevant building legislation/regulations applicable at the time of construction included adequate compartmentation, protected escape routes and the provision of smoke ventilation.
- On this basis, the occupants of the flats, other than those in which a fire occurs, should be able to remain in their flats in relative safety, unless, subsequently, their flat becomes affected by fire or smoke, in which case they should leave, or until directed to leave by the fire and rescue service.
- The means of escape consist of two protected staircases. Both staircases are accessed off the lift/landing level on Floors 1 to 9. The 10<sup>th</sup> floor is not served by the lifts, and the two flats on this level have access to both staircases through the lobby doors. The flat entrance doors open directly onto the landings on Floors 1 through to 9, which also house the lifts.
- The staircases discharge into a protected lobby at ground-floor level, which provides access directly to outside or to the lift lobby and the main entrance doors to the block at street level. Final exit doors from both staircases are openable by a 'push bar' device or a handle.
- The main entrance doors are easily openable from the inside without the use of a key.
- Smoke ventilation in both staircases is provided in the form of an open vent at each floor level.
- Smoke ventilation on the landings is provided in the form of permanently open vents. There are two permanent vents provided, one above each of the two fire-resisting screen doors protecting the staircases. Although the vents are not to the required size, they are considered reasonable in the circumstances.
- The flat entrance doors have all been replaced (apart from Flat 15) with new, FD60S fire-resisting doors and are provided with intumescent strips, smoke seals, protected letter boxes and internal self-closing devices.
- The flats previously viewed have inner hallways, with notional fire-resisting doors fitted to the kitchens and lounges opening onto the hallway.
- Several fire-resisting doors to the staircases are not closing effectively.
- The fire-resisting doors to the staircases are fitted with intumescent strips, smoke seals and overhead self-closing devices. However, the strips and seals on a number of the doors to the stairs are damaged or missing. Numerous doors had loose glazing and beading that is becoming detached.
- A number of the fire-resisting doors to the electrical cupboards on each floor level have had a rectangular section of the door removed to accommodate the opening of the door



past the refuse chutes. These were being replaced at the time of the assessment but did not appear to be fire stopped correctly.

- The ground-floor entrance lobby has tenants' stores that have been provided with notional fire-resisting doors; however, the transom over each door appears to be vented. This lobby area is open to the lifts.
- The entrance door to Flat 15 has been replaced with a FD30S door and does not close to latch.
- The self-closing device on the entrance door to Flat 4 had been disconnected.
- Although outside the scope of the Regulatory Reform (Fire Safety) Order 2005, the internal means of escape within a sample of the flats was accessed. The flats each have a protected hallway leading to the kitchen and the lounge. The kitchen and lounge doors are substantial doors with rising butt hinges. Access to the bedrooms is by means of another door off the rear of the lounge onto a small corridor. The toilet and bathroom are accessed directly off the corridor along with both bedrooms. Due to the internal layout, with the means of escape through the lounge, an alternative exit has been provided with the use of a shared balcony. In most instances, this shared balcony is being used for storage or has been separated by fencing. This arrangement is no longer considered acceptable as the escape route passes through the neighbouring flat. It is understood that alternative compensatory measures, including the provision of sprinklers, are being investigated.
- The staircases are safe for use as a refuge by disabled people evacuating from the flat of fire origin. It is not normal practice to provide refuge signage or communications systems in these circumstances, and those needing assistance would be expected to seek help from other residents, or to use mobile telephones to contact the emergency services.

## 19. MEASURES TO LIMIT FIRE SPREAD AND DEVELOPMENT

19.1 Given the evacuation strategy, is it considered that there is/are:

- |   |  |   |  |
|---|--|---|--|
| a) adequate levels of compartmentation between floors and between flats and the common escape routes <sup>8</sup> ?         | Unk <input type="checkbox"/>                   | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| b) reasonable limitation of linings to escape routes that might promote fire spread?  |  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| c) as far as can reasonably be ascertained, reasonable fire separation within any roof space?                               | N/A <input checked="" type="checkbox"/><br>Unk | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            |
| d) adequately fire protected service risers and/or ducts in common areas, which will restrict the spread of fire and smoke? | N/A <input type="checkbox"/><br>Unk            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

- |   |                                     |                              |  |
|---|-------------------------------------|------------------------------|--|
| 19.2 As far as can reasonably be ascertained, are fire dampers provided as necessary to protect critical means of escape against passage of fire, smoke and combustion products in the early stages of a fire <sup>10</sup> ? | N/A <input type="checkbox"/><br>Unk | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
|---|-------------------------------------|------------------------------|--|

- |   |   |                             |
|---|---|-----------------------------|
| 19.3 Has the risk of fire spread over the external walls been considered? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
|---|---|-----------------------------|

<sup>10</sup> A full investigation of the design of HVAC systems is outside the scope of this fire risk assessment.

19.4 Relevant information (including description of arrangements and deficiencies observed):

- This is a purpose-built block of flats, and it is our understanding that the design principles embodied in the building legislation/regulations applicable at the time of construction included adequate compartmentation.
- The floors, staircases and corridors are of concrete construction.
- There was no evidence to suggest that the existing compartmentation would not support a 'stay put' strategy.
- The timber and glass lobby screens on each floor have a mix of glazing fitted. It was not possible to identify all the glass as being fire-resistant. It was also noted that the glass was very poorly fitted.
- The open vents serving each floor/staircase are taken from above the fire-resisting screen to the outside wall. It was not possible to ascertain the fire-resistance of the boxing or the construction method used.
- There are common service shafts, typically serving nine flats, containing ventilation extract ducts from bathrooms and toilets. The other common service shafts, typically serving 10 flats, which contain ventilation extract ducts from bathrooms and toilets, are open, at ground-floor level, to the bin store/storage area.
- The bathrooms and toilets are provided with small cross-sectional, steel mechanical extract ducts, at high level, which pass into the common vertical shaft, which discharges at roof level. It is understood that some flats have been provided with fire and smoke dampers to these vents, but the work has not been completed on all flats.
- The kitchens have external opening windows.
- Originally, the flats were fitted with gas-fired, ducted warm air heating systems. The heater units were fitted in the lounges and were vented into sealed, 'Se-duct' shared vertical flues. These ducts have an open inlet at the base on the outside of the building above the secure bulk storage areas. The ducted warm air systems have been removed and replaced with individual central heating systems, incorporating room-sealed, gas-fired boilers that vent directly to an external wall. It was not possible to confirm whether the openings into the common 'Se-duct' flues, from the individual flats, have been adequately fire stopped to restrict the vertical spread of fire and smoke between flats.
- The individual flats have a riser that has services that pass through the floors inside the kitchen/cupboards. The openings around the services, where these pass through the floors, appear to have been fire stopped, but this could not be confirmed.
- There are two refuse chutes installed, opening into the lift lobby on each floor, which are fitted with metal access doors. The refuse chutes are not fitted with fire-resisting shutters at their base in the bin rooms.
- It was noted that sprinkler alarm valve cabling was entering the electrical cupboards on a number of floors and the penetrations made as a result were not fire stopped.
- While we have taken note of the construction of the external walls of this building, it is often impossible in a fire risk assessment of this nature to determine, in detail, the propensity of such walls to spread fire externally. In order to comment definitively on this, specialist investigation, which may involve testing of materials and invasive survey, is often necessary to establish the exact details of the external wall construction and/or the nature of all the materials used and whether suitable cavity barriers have been fitted, where applicable. Such a specialist investigation would also be necessary to establish the behaviour of the materials and the wall build up in fire and whether or not this is in accordance with the relevant benchmark guidance for a building of this type and use. Unless such an investigation has been carried out, we can only complete this risk assessment on the assumption that there is no undue risk to the health and safety of relevant persons from external fire spread.

## 20. EMERGENCY ESCAPE LIGHTING

20.1 Has a reasonable standard of emergency escape lighting been provided<sup>11</sup>? N/A ☐ Yes ☒ No ☐

20.2 Relevant information (including description of arrangements and deficiencies observed):

Emergency escape lighting is provided throughout the common escape routes, staircases, corridors and plant/service rooms.

## 21. FIRE SAFETY SIGNS AND NOTICES

21.1 Is there a reasonable standard of fire safety signs and notices? N/A ☐ Yes ☒ No ☐

21.2 Relevant information (including description of arrangements and deficiencies observed):

- 'FIRE EXIT' signs are provided in the common escape routes, staircases and corridors.
- 'FIRE DOOR KEEP SHUT' signs are provided on the doors to the staircases and to electrical riser cupboards.
- Fire action notices are provided in the communal areas, with information provided to support the 'stay put' policy.
- Signs, detailing each floor number, have been provided in the staircases and in the lobbies opposite the lift doors.
- A fire and rescue service premises information box is provided in the entrance foyer to the block.

## 22. MEANS OF GIVING WARNING IN CASE OF FIRE

22.1 Have smoke/heat alarms or has some other form of fire detection and fire warning been provided in the flats? Unk ☐ Yes ☒ No ☐

22.2 Is a reasonable fire detection and fire alarm system provided in the common areas, where necessary<sup>12</sup>? N/A ☒ Yes ☐ No ☐

22.3 If there is a communal fire detection and fire alarm system, does it extend into the dwellings? N/A ☒ Yes ☐ No ☐  
Unk

22.4 Where appropriate, has a fire alarm zone plan been provided? N/A ☒ Yes ☐ No ☐

22.5 Where appropriate, are there adequate arrangements for silencing and resetting an alarm condition? N/A ☒ Yes ☐ No ☐

22.6 Relevant information (including description of arrangements and deficiencies observed):

- There is no fire detection and alarm system within the common parts, which is consistent with the typical design and construction of residential flats of this type.
- Although outside the scope of the Fire Safety Order, it is important that all flats are provided with adequate smoke/heat alarms.

<sup>11</sup> Based on visual inspection, but no test of illuminance levels or verification of full compliance with relevant British Standards carried out.

<sup>12</sup> Based on visual inspection, but no audibility tests or verification of full compliance with relevant British Standard carried out.

- It is understood that LBHF has liaised with its tenants to ensure that the flats are provided with a minimum of one working smoke alarm.
- The flats previously entered that are under the control of LBHF have been provided with smoke and heat alarms to BS 5839-6 Grade D1, Category LD1.

22.7 Relevant information on false alarm experience (if known):

None.

## 23. MANUAL FIRE EXTINGUISHING APPLIANCES

23.1	Is there reasonable provision of manual fire extinguishing appliances?	N/A	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
23.2	Are all fire extinguishing appliances readily accessible?	N/A	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

23.3 Relevant information (including description of arrangements and deficiencies observed):

- There are no fire extinguishers in the common parts, which is consistent with the general approach typically taken within blocks of flats of this type.
- Extinguishers are provided in plant and service areas.

## 24. RELEVANT AUTOMATIC FIRE EXTINGUISHING SYSTEMS<sup>13</sup>

24.1 Type of fixed system:

None.

Relevant information and deficiencies observed:

—

## 25. OTHER RELEVANT FIXED SYSTEMS AND EQUIPMENT<sup>14</sup>

25.1 Type of fixed system:

- Dry rising main.
- Fireman's lifts.
- Vents for smoke control.
- Emergency Alert Control and Indicator Equipment (EACIE)

Relevant information and deficiencies observed:

- A dry rising main is fitted to the block, and outlets are provided on Floors 4, 6, 8 and 10 within the lobbies.
- The fireman's lifts are the original lifts installed at the time of construction and are fitted with a fire control switch that returns the lifts to the ground floor on activation of the switch.
- Permanently open smoke vents are fitted in the lobbies to the flats and on each level of both staircases.
- It was noted that a EACIE secure cabinet was located in the entrance foyer. The cabinet was signed as 'EACIE' but it is understood that the system has not been installed.

<sup>13</sup> Relevant to life safety and this risk assessment (as opposed to property protection).

<sup>14</sup> Relevant to life safety and this risk assessment (as opposed to property protection).

25.2 Are there appropriately sited facilities for electrical isolation of any photovoltaic (PV) cells, with appropriate signage, to assist the fire and rescue service? N/A ☒ Yes ☐ No ☐

25.3 Relevant information (including description of arrangements and deficiencies observed):

—

## MANAGEMENT OF FIRE SAFETY

### 26. PROCEDURES AND ARRANGEMENTS

#### 26.1 Safety Assistance:

The competent person(s) appointed under Article 18 of the Fire Safety Order to assist the Responsible Person in undertaking the preventive and protective measures (i.e. relevant general fire precautions) is:

Principal Compliance Manager, LBHF, with assistance from external consultants.

#### 26.2 Fire safety at the premises is managed by<sup>15</sup>:

Housing Service Director, LBHF Housing Services Division.

#### 26.3 Is there a suitable record of the fire safety arrangements? N/A ☐ Yes ☒ No ☐

Relevant information (including description of arrangements and deficiencies observed):

LBHF has a generic fire safety policy document that incorporates fire safety arrangements in purpose-built blocks of flats.

#### 26.4 Evacuation strategy:

Stay put: ☒ Simultaneous evacuation: ☐ Other (specified below): ☐

Comment:

A 'stay put' evacuation policy is considered appropriate.

#### 26.5 Are procedures in the event of fire appropriate and properly documented, where appropriate? Yes ☒ No ☐

Relevant information (including description of arrangements and deficiencies observed):

- In the event of a fire within an individual flat, the occupants would be expected to alert others in the flat, make their own way out of the building using the common escape routes, and summon the fire and rescue service.
- Consistent with residential flats of this type, all other occupants of flats not directly affected by a fire should be able to remain in their flats in relative safety, unless, subsequently, their flat becomes affected, or until they are directed to evacuate the building by the fire and rescue service.
- This does not imply that residents not directly affected, who become aware of a fire, should not evacuate if they are in any doubt about their safety and wish to leave, and it is safe for them to do so.

<sup>15</sup> This is not intended to represent a legal interpretation of responsibility, but merely reflects the managerial arrangement in place at the time of this risk assessment.

26.6 Are routine in-house inspections of fire precautions undertaken (e.g. in the course of health and safety inspections)?<sup>16</sup> N/A ☐ Yes ☒ No ☐  
Unk

Relevant information (including description of arrangements and deficiencies observed):

Routine estate inspections are carried out and recorded. Any defects found are reported internally to the main contractor, who will undertake the necessary repairs.

## 27. TRAINING AND DRILLS

27.1 Are all staff given adequate fire safety instruction and training? N/A ☒ Yes ☐ No ☐

Relevant information (including description of arrangements and deficiencies observed):

There are no staff or contractors permanently employed on the premises.

27.2 When the employees of another employer work in the premises, is appropriate information on fire risks and fire safety measures provided? N/A ☐ Yes ☒ No ☐

Relevant information (including description of arrangements and deficiencies observed):

Information for contractors is provided in accordance with 15.2.

## 28. TESTING AND MAINTENANCE

28.1 Is there adequate maintenance of the workplace? Yes ☐ No ☒

Relevant information (including description of arrangements and deficiencies observed):

A number of issues relating to the maintenance of common area fire-resisting doors were noted.

28.2 Is weekly testing and periodic servicing of the fire detection and alarm system undertaken? N/A ☒ Yes ☐ No ☐  
Unk

Relevant information (including description of arrangements and deficiencies observed):

- There is no common fire detection and alarm system provided.
- Residents are responsible for testing their own smoke/heat alarms on a regular basis.

28.3 Are monthly and annual testing routines in place for the emergency escape lighting? N/A ☐ Yes ☒ No ☐  
Unk

Relevant information (including description of arrangements and deficiencies observed):

- Monthly and annual tests of the emergency escape lighting are carried out by an external contractor.
- The date of the last annual test was on 6<sup>th</sup> April 2022, as confirmed by email.

<sup>16</sup> Based on brief review of procedures at the time of this fire risk assessment. In-depth review of documentation is outside the scope of this fire risk assessment, unless otherwise stated.

28.4 Is annual maintenance of fire extinguishing appliances undertaken? N/A ☐ Yes ☒ No ☐

Relevant information (including description of arrangements and deficiencies observed):

- The fire extinguishers are subject to a routine service contract.
- The last service was carried out in May 2022.

28.5 Are six-monthly inspection and annual testing of rising mains carried out? N/A ☐ Yes ☒ No ☐  
Unk

Relevant information (including description of arrangements and deficiencies observed):

The dry rising main is subject to inspection and test by an external contractor. The date of the last annual test was 28<sup>th</sup> January 2021.

28.6 Are weekly and monthly testing, six-monthly inspection, and annual inspection and testing undertaken of lift(s) provided for use by fire-fighters or evacuation of disabled people (evacuation lifts)? N/A ☐ Yes ☒ No ☐  
Unk

Relevant information (including description of arrangements and deficiencies observed):

We are informed that the lifts are subject to relevant inspections and test. The records provided by email show a service date of 7<sup>th</sup> October 2021.

28.7 Other relevant inspections or tests:

Lightning protection system.

Relevant information (including description of arrangements and deficiencies observed):

The lightning protection system is subject to annual inspection and test by an external contractor. The last routine service was carried out on 29<sup>th</sup> September 2021.

## 29. RECORDS

29.1 Are there appropriate records of:

- a) fire alarm tests (where relevant)? N/A ☒ Yes ☐ No ☐
- b) emergency escape lighting tests? N/A ☐ Yes ☒ No ☐
- c) maintenance and testing of other fire protection systems and equipment? N/A ☐ Yes ☒ No ☐

29.2 Relevant information (including description of arrangements and deficiencies observed):

Records are held centrally.



### 30. PREMISES INFORMATION BOX<sup>17</sup>

- 30.1 Is there a suitably located premises information box for the fire and rescue service? N/A ☐ Yes ☒ No ☐
- 30.2 Are there arrangements to keep the premises information box up to date? N/A ☐ Yes ☒ No ☐
- 30.3 Relevant information (including description of arrangements and deficiencies observed):
- Attention is drawn to the code of practice for the provision of Premises Information Boxes in residential buildings which was produced jointly by the Fire Industry Association (FIA) and National Fire Chiefs Council (NFCC).
  - Details of vulnerable residents are kept in the premises information box and updated regularly.

### 31. ENGAGEMENT WITH RESIDENTS<sup>17</sup>

- 31.1 Has information on fire procedures been disseminated to residents? N/A ☐ Yes ☒ No ☐
- 31.2 Is fire safety information disseminated to residents? N/A ☐ Yes ☒ No ☐
- 31.3 Relevant information (including description of arrangements and deficiencies observed):
- To ensure compliance with the Fire Safety (England) Regulations 2022, a procedure should be put in place to ensure that residents are provided with fire safety information and information about the importance of fire doors on an annual basis.
  - It is understood that fire safety information is disseminated to residents via the Fire And Building Safety Residents' Group (FRAG).

<sup>17</sup> Normally applicable only to sheltered and extra care housing.

## FIRE RISK ASSESSMENT

The following simple risk level estimator is based on a fire risk level estimator contained in PAS 79-2:

Potential consequences of fire → Likelihood of fire ↓	Slight harm	Moderate harm	Extreme harm
Low	Trivial risk	Tolerable risk	Moderate risk
Medium	Tolerable risk	Moderate risk	Substantial risk
High	Moderate risk	Substantial risk	Intolerable risk

Taking into account the fire prevention measures observed at the time of this risk assessment, it is considered that the hazard from fire (likelihood of fire) at these premises is:

Low |                      Medium ☒                      High |                      |

In this context, a definition of the above terms is as follows:

**Low:** Unusually low likelihood of fire as a result of negligible potential sources of ignition.

**Medium:** Expected likelihood of fire given the presence of the normal fire hazards (e.g. potential ignition sources) for this type of occupancy, which are generally subject to appropriate controls (other than minor shortcomings).

**High:** Significant increase in the likelihood of fire due to lack of adequate controls applied to one or more significant fire hazards.

Taking into account the nature of the premises and the occupants, as well as the fire protection and procedural arrangements observed at the time of this fire risk assessment, it is considered that the consequences for life safety in the event of fire would be:

Slight harm |                      Moderate harm ☒                      Extreme harm |                      |

In this context, a definition of the above terms is as follows:

**Slight harm:** Outbreak of fire unlikely to result in serious injury or death of any occupant beyond the flat of fire origin.

**Moderate harm:** Outbreak of fire could foreseeably result in injury (including serious injury) of one or more occupants beyond the flat of fire origin, but is unlikely to result in multiple fatalities.

**Extreme harm:** Significant potential for serious injury or death of one or more occupants beyond the flat of fire origin.

Accordingly, it is considered that the risk to life from fire at these premises is:

Trivial ☐ Tolerable ☐ Moderate ☒ Substantial ☐ Intolerable ☐

Comments:

An explanation as to why the risk has been rated as shown above is given in the Executive Summary.

A suitable risk-based control plan should involve effort and urgency that is proportional to risk. The following risk-based control plan is based on one advocated in PAS 79-2:

Risk Level	Action and Timescale
Trivial	No action is required, and no detailed records need be kept.
Tolerable	No major additional controls required. However, there might be a need for improvements that involve minor or limited cost.
Moderate	It is essential that efforts are made to reduce the risk. Risk reduction measures should be implemented within a defined time period.  Where moderate risk is associated with consequences that constitute extreme harm, further assessment might be required to establish more precisely the likelihood of harm as a basis for determining the priority for improved control measures.
Substantial	Considerable resources might have to be allocated to reduce the risk. If the building is unoccupied, it should not be occupied until the risk has been reduced. If the building is occupied, urgent action should be taken.
Intolerable	Building (or relevant area) should not be occupied until the risk is reduced.

**NOTE THAT, ALTHOUGH THE PURPOSE OF THIS SECTION IS TO PLACE THE FIRE RISK IN CONTEXT, THE ABOVE APPROACH TO RISK ASSESSMENT IS SUBJECTIVE AND FOR GUIDANCE ONLY. ALL HAZARDS AND DEFICIENCIES IDENTIFIED IN THIS REPORT SHOULD BE ADDRESSED BY IMPLEMENTING ALL RECOMMENDATIONS CONTAINED IN THE FOLLOWING ACTION PLAN. THE FIRE RISK ASSESSMENT SHOULD BE REPEATED REGULARLY.**

# REFERENCES

## Guidance in Support of Fire Safety Legislation

### England and Wales

HM Government Guides to Fire Safety Risk Assessment, DCLG:

- Offices and Shops.
- Factories and Warehouses.
- Sleeping Accommodation.
- Residential Care Premises.
- Educational Premises.
- Small and Medium Places of Assembly.
- Large Places of Assembly.
- Theatres, Cinemas and Similar Premises.
- Open Air Events and Venues.
- Healthcare Premises.
- Animal Premises and Stables.
- Transport Premises and Facilities.
- Means of Escape for Disabled People.

### Scotland

Scottish Government: Practical Fire Safety Guidance:

- Existing Non-Residential Premises.
- Existing Premises with Sleeping Accommodation.
- Care Homes.
- Healthcare Premises.
- The Evacuation of Disabled Persons from Buildings.

### Northern Ireland

DHSSPS Sector Specific Guidance Documents:

- Sleeping Accommodation.
- Offices and Shops.
- Healthcare Premises.
- Theatres, Cinemas and Similar Premises.
- Small and Medium Places of Assembly.
- Open Air Events.

## Guidance in Support of Building Regulations

### England and Wales

Approved Document B. *Fire Safety. Volume 1: Dwellings, 2019 edition incorporating 2020 amendments.*

Approved Document B. *Fire Safety. Volume 2: Buildings other than dwellings, 2019 edition incorporating 2020 amendments.*

### Scotland

Technical Handbook 2019, Non-Domestic – Fire.

### Northern Ireland

Technical Booklet E 2012.

## Fire Safety Design and Management

BS 9991:2015. *(Incorporating corrigendum No. 1.) Fire safety in the design, management and use of residential buildings. Code of practice.*

BS 9999:2017. *Fire safety in the design, management and use of buildings. Code of practice.*

## Fire Detection and Fire Alarm Systems

BS 5839-1:2017. *Fire detection and fire alarm systems for buildings. Code of practice for design, installation, commissioning and maintenance of systems in non-domestic premises.*

BS 5839-6:2019+A1:2020. *Fire detection and fire alarm systems for buildings - Code of practice for the design, installation, commissioning and maintenance of fire detection and fire alarm systems in domestic premises.*

BS 5839-8:2013. *Fire detection and fire alarm systems for buildings - Code of practice for the design, installation, commissioning and maintenance of voice alarm systems.*

BS 5839-9:2021. *Fire detection and fire alarm systems for buildings - Code of practice for the design, installation, commissioning and maintenance of emergency voice communication systems.*

## **Fire Extinguishing Appliances**

BS 5306-1: 2006. *Code of practice for fire extinguishing installations and equipment on premises - hose reels and foam inlets.*

BS 5306-3:2017. *Fire extinguishing installations and equipment on premises. Commissioning and maintenance of portable fire extinguishers. Code of practice.*

BS 5306-8:2012. *Fire extinguishing installations and equipment on premises - Selection and positioning of portable fire extinguishers - Code of practice.*

BS EN 3. *Portable fire extinguishers.*

BS EN 671-3:2009. *Fixed fire-fighting systems. Hose systems. Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose.*

BS EN 1869:2019. *Fire blankets.*

## **Emergency Escape Lighting**

BS 5266-1:2016. *Emergency lighting - Code of practice for the emergency lighting of premises.*

BS 5266-8:2004. (BS EN 50172: 2004). *Emergency escape lighting systems.*

BS EN 1838:2013. *Lighting applications – Emergency lighting.*

## **Fire Safety Signs**

BS 5499-4:2013. *Safety signs. Code of practice for escape route signing.*

BS ISO 3864-1:2011. *Graphical symbols. Safety colours and safety signs. Design principles for safety signs and safety markings.*

BS EN ISO 7010:2020+A3:2022. *Graphical symbols – Safety colours and safety signs – Registered safety signs.*

BS 5499-10:2014. *Guidance for the selection and use of safety signs and fire safety notices.*

## **Fixed Fire Extinguishing Systems and Equipment**

BS EN 12845:2015+A1:2019. *Fixed fire-fighting systems. Automatic sprinkler systems. Design, installation and maintenance.*

BS 9251:2021. *Fire sprinkler systems for domestic and residential occupancies - Code of practice.*

BS 9990:2015. *Non-automatic fire-fighting systems in buildings. Code of practice.*

## **Lightning**

BS EN 62305-1:2011. *Protection against lightning. General principles.*

BS EN 62305-2:2012. *Protection against lightning. Risk management.*

BS EN 62305-3:2011. *Protection against lightning. Physical damage to structures and life hazard.*

BS EN 62305-4:2011. *Protection against lightning. Electrical and electronic systems within structures.*

## **Miscellaneous**

BS 7176:2007+A1:2011. *Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites.*

BS 7273-4:2015+A1:2015. *Code of practice for the operation of fire protection measures. Actuation of release mechanisms for doors.*

BS 7671:2018+A2:2022. *Requirements for Electrical Installations. IET Wiring Regulations. Eighteenth Edition. IET Code of Practice for In-service Inspection and Testing of Electrical Equipment. Fifth Edition.*

BS 8629:2019. *Code of practice for the design, installation, commissioning and maintenance of evacuation alert systems for use by fire and rescue services in buildings containing flats.*

BS 8899:2016. *Improvement of fire-fighting and evacuation provisions in existing lifts. Code of practice.*

PAS 79-1:2020. *Fire risk assessment. Premises other than housing. Code of practice.*

PAS 79-2:2020. *Fire risk assessment. Housing. Code of practice.*

PAS 9980:2022. *Fire risk appraisal of external wall construction and cladding of existing blocks of flats. Code of practice.*

## **Published Guidance on Control of Contractors**

Standard Fire Precautions for Contractors Engaged on Crown Works, Department of Environment, HMSO.

Fire Prevention on Construction Sites. Fire Protection Association.

Fire Safety in Construction. HSG168 (2nd edition) HSE.

# BAFE SP205 CERTIFICATE OF CONFORMITY

Certificate Number	LS	0201779
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Life Safety Fire Risk Assessment  
Gold Approved Scheme  
CERTIFICATE OF CONFORMITY



This certificate is issued by the Approved Company named in Part 1 of the Schedule in respect of the fire risk assessment provided for the person(s) or organisation named in Part 2 of the Schedule at the premises and / or part of the premises identified in Part 3 of the schedule.

SCHEDULE		
Part 1	<b>NSI Life Safety Fire Risk Assessment Gold Approved Organisation</b>	
	C.S. Todd & Associates Ltd	
	BAFE Registration Number	
	NSI 00342	
Part 2	<b>Name of Client</b>	
	London Borough of Hammersmith and Fulham	
Part 3	<b>Address of premises for which the fire risk assessment was carried out</b>	
	Shackleton Court, Scotts Road, London W12 8HQ	
	<b>Part or parts of the premises to which the fire risk assessment applies</b>	
Part 4	Common parts (see report for details).	
	<b>Brief description of the scope and purpose of the fire risk assessment</b>	
Part 5	The purpose of the fire risk assessment is to provide an assessment of the risk to life from fire, and, where appropriate, to make recommendations to ensure compliance with fire safety legislation. It does not address the risk to property or business continuity from fire.	
	<b>Effective date of the fire risk assessment</b>	06 September 2022
Part 6	<b>Recommended date for review of the fire risk assessment</b>	September 2023

We, being currently a NSI Approved BS EN ISO 9001 organisation in respect of fire risk assessment identified in the above schedule, certify that the fire risk assessment referred to in the above schedule complies with the Specification identified in the above schedule under the control of our Quality Management System (identified on our NSI approval certificate) and with all other requirements as currently laid down within BAFE SP205 Scheme in respect of such fire risk assessment.

<b>Signed (for and on behalf of the issuing Approved organisation)</b>	
<b>Job Title</b>	Senior Consultant and Quality Manager (Validator)
<b>Date</b>	17 October 2022

Life Safety Fire Risk Assessment Gold is an Approval Scheme of Insight Certification Ltd, Sentinel House, 5 Reform Road, Maidenhead, Berkshire, SL6 8BY

BAFE, Bridges 2, The Fire Service College, London Road, Moreton-in-Marsh, GL56 0RH.

RG8070.2 12/12

- 1 This certificate is used subject to NSI Regulations and Rules of the NSI LIFE SAFETY FIRE RISK ASSESSMENT GOLD Approval Scheme.
- 2 NSI reserves the right to conduct an audit by an authorised representative of NSI during normal business hours, with the permission of the customer, of the fire risk assessment and its related premises in order to ensure that the said risk assessment complies with BAFE Scheme document SP205-1 (the Scheme) Section 7 and generally.
- 3 NSI requires every NSI LIFE SAFETY FIRE RISK ASSESSMENT GOLD Approved Company to issue a Certificate of Conformity in accordance with the Scheme for all fire risk assessments it carries out that wholly or partly address life safety.
4. The Certificate of Conformity when completed is a clear statement that the Approved Company conducted the fire risk assessment for life safety, it is suitable and sufficient and compliant with the BAFE SP205-1 Scheme document and is certified by a registered competent fire risk assessor.
- 5 Where life safety and other aspects of fire protection are addressed in the same fire risk assessment a Certificate of Conformity shall be issued but the certificate shall make clear that the certificate applies only to the life safety aspects of the fire risk assessment and not further or otherwise.
- 6 Should the customer be dissatisfied with the fire risk assessment covered by this certificate, he/she should at first contact the Approved Company at its local office. If satisfaction is not obtained, the customer should address a written complaint to the customer services department at the head office of the Approved Company. If the customer remains dissatisfied, he/she may address a written complaint, outlining the nature of his/her dissatisfaction and the circumstances of the fire risk assessor company's response, to the Customer Care Manager at NSI.  
  
NSI will not normally consider complaints unless the Approved company has been given the opportunity to resolve the dispute as set out above.  
  
Subject thereto and as hereinafter provided, NSI will endeavour to assist in the resolution of the dispute between the contracting parties, provided always that NSI will not deal with or be involved in any discussions or negotiations with either party with regard to financial or other loss, claims or potential loss claims, outstanding payments or construction and/or interpretation of the Approved Company's terms and conditions of contract.  
  
NSI shall not be liable for any act or omission arising from any assistance it may provide as hereinbefore provided unless such act or omission is shown to have been fraudulent or deceitful.
- 7 This Certificate confirms conformity with the requirements of BAFE Scheme document SP205-1 applicable at the date of issue by the issuing company. NSI does not undertake to investigate any query or complaint in relation to future changes to BAFE scheme documents, policies or other regulations that render the fire risk assessment in need of further updating. In that event, the appropriate update should be carried out by a company holding NSI LIFE SAFETY FIRE RISK ASSESSMENT Approval.
- 8 NSI does not accept any responsibility or liability for any fire risk assessment produced by the Approved Company
- 9 Unless the issuing company's obligation to NSI in respect of the fire risk assessment are undertaken by another NSI Approved Company, NSI will not enforce its Rules or Standards on the Approved Company or on its successor in business in respect of any fire risk assessments after the issuing company ceases to hold NSI LIFE SAFETY FIRE RISK ASSESSMENT Approval.
- 10 The Certificate is issued subject to the terms and conditions of the company issuing the certificate for the fire risk assessment service.
- 11 On this certificate and in these terms and conditions, where the context permits, the reference to the issuing company shall include any Approved Company who shall undertake the issuing company's obligations to NSI in respect of the fire risk assessment.

Footnote.

"SP205" is a Scheme Document published by the British Approvals for Fire Equipment (BAFE).

RG8070.2 12/12 (Word 2007)