FIRE RISK ASSESSMENT

The Wharf

Altrincham

WA14 1AP

Wharf Road Management Ltd
Universal Square,
3rd Floor, Building 2,
Devonshire Street North.
Manchester. M12 6JH

Live Safe Ltd
64 The Park,
Ealing,
London.
W5 5NP

Certificate number 12650
ISO 9001
OHSAS 18001

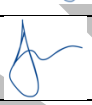
November 2024
FINAL Version Rev A

Report Produced For: Wharf Road Management Limited

Report Produced By: Andrew West

Date of Survey: 14/08/2024

Report Date: 20/11/2024

	Name	Signature	Date
Assessed by	A.W.		20/11/2024
Prepared by	A.W.		20/11/2024
Checked & Reviewed by	A.W.		20/11/2024
Issue Status	**FINAL**		
Purpose of Issue	**FINAL Issue**		
Document Reference	MCR/TW/060924A		
Amendments	A: 20/11/24: Document updated after discussion with the Client and the provision of additional information.		

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Executive Summary

Priority	No. of Actions	SLA
Low	6	3 months from the date of the FRA
Medium	1	1 Month from the date of the FRA
High	0	2 Weeks from the date of the FRA

Assessed Risk	**Trivial**

Recommended Review	On or Before 06 September 2025

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1. GENERAL INFORMATION

1.1 Scope of the report

This document has been prepared to report on the assessment of risks to life from fire in the common parts of the premises and, where appropriate, to make recommendations to ensure compliance with fire safety legislation. The assessment carried out to inform this report conforms to the description of a Type 1 fire risk assessment, as described in the Local Government Association guide: "Fire safety in purpose-built blocks of flats" in that a non-intrusive visual survey of the common areas of the premises were surveyed. No construction was opened-up during this survey and areas which were secured and therefore not accessible were not assessed. Any such areas are identified in the relevant section of this report.

The report does not address the risk to property or business continuity from fire.

This report constitutes neither a warranty of compliance nor an assurance against risk and represents the best judgement of the consultant who based its preparation in part, on the information provided by others.

There is no previous Fire Risk Assessment.

1.2 Building Details

The Regulatory Reform (Fire Safety) Order 2005 (the FSO) applies to any workplaces within the premises and any parts of the premises shared by the occupants of more than one dwelling, while the Housing Act 2004 applies to the insides of the individual dwellings.

1.3 Guidance documents relevant to the premises

Local Government Association: *Fire safety in purpose-built blocks of flats*. This guidance document is specifically written to help landlords, managing agents, enforcing officers and those undertaking fire risk assessments to understand the legislative requirements relating to blocks of flats and to apply them in a consistent and reasonable manner.

1.4 Legislation

This fire risk assessment has been compiled using the PAS 79 methodology alongside relevant current guidance and best practices. It is designed to help reduce the risks to a tolerable level.

1.5 About the Assessor

Name:	Andrew West
Qualifications:	BEng (Hons), MSc, C.Eng., MICE
Experience	35 years' experience in the Construction Industry in all aspects of the design and construction of both low rise and high rise multi-storey residential buildings together with associated infrastructure. Initially trained and worked as a civil engineer in a Blue-Chip consulting practice. Involved / responsible for the design and construction management of numerous office buildings, the Pepsi Max Big One rollercoaster in Blackpool, numerous power stations all over the works (inc. the design life extension of Hinkley Point A nuclear power station), numerous contamination remediation schemes & expert witness investigations. Design & Management of numerous multi-discipline technical teams, for private developers, delivering both low rise and high-rise multi-occupation buildings. Head of Development & Deliver for two large Housing Associations (each > 50,000 homes). Group Head of Technical responsible for Building Safety for Home Group's portfolio of buildings, including FRA, external wall, internal compartmentation, fire door inspections and building safety cases.

1.5 Limitations

This report is related to the residential areas only.

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2. The Premises

2.1 Building Details

Name of the Business	Wharf Road Management Ltd
Full address	The Wharf, Altrincham, WA14 1AP
Number of floors	Ground floor undercroft car park with 4No. upper floors.
Description	The building is a purpose-built block of flats with a single protected staircase. The ground floor comprised the MAP that opens directly into the lift / protected staircase, an undercroft car park, and plant/utility rooms. The upper floors comprise 11 apartments and two service rooms per floor. There are a total of 43 apartments in total. There is access to the roof, where there are two service rooms and a PV.
Approximate Gross floor area (m^2):	2,500m^2 (residential areas only)
Construction Type	Reinforced concrete frame traditional brick and block cladding.
Does the premises have single or multiple occupancy?	Single

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3. The Occupants

3.1 Occupant Numbers

Approximate maximum number of occupants in the building	129 (assuming 2x persons & 1 visitor per flat)
Approximate number of employees at any one time	Zero.
Maximum number of members of public at any one time	None.
Do external contractors regularly work on the premises?	No.

3.2 Use of the Premises

Residential.

3.3 Associated Times / Hours of Occupation

The accommodation may be occupied on a 24-hour 7 day a week basis.

3.4 Occupants Especially as Risk

Are there any sleeping occupants on the premises?	Yes	
Is the premises used by anyone with a disability?	Unknown	Refuge points is present at each lobby landing area on the upper floors.

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		Any residents with disabilities or vulnerability can exit to the protected lobby areas and contact the responsible person. The call button is connected to a remote monitoring station. Disabled residents are advised through a monthly newsletter how to evacuate.
Do young persons use the building (younger than 18 years old)	Yes	Families are present in the building.
Are there any other vulnerable persons especially at risk from fire?	No	Please see above.

3.5 Fire Loss Experience

Unwanted fire calls in the past 12 months	There have been at least 3No. unwanted calls in the previous 12 months. The false alarms were cause by spiders in the smoke detectors in the car park area. This has not been resolved.
Fires related incidents in the past 10 years	This is a relatively new building – 2022.

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4. FIRE HAZARDS AND THEIR ELIMINATION OR CONTROL

4.1 Electrical Sources of Ignition

		Comment
Are reasonable measures taken to prevent fires of electrical origin?	Yes	All electric service rooms and risers are tidy and clear of flammable materials.
Are the fixed installations periodically inspected and tested?	Yes	The maintenance electrical certificate for the communal areas is presented in the Appendix. All the flats are leasehold, and the maintenance of the electrical systems is the responsibility of the respective residents. The flats were handed over in 2022 with relevant certification. Maintenance details for the lift is required.
Are portable appliances tested (PAT) within acceptable frequencies	N/A	No portable equipment was present during the inspection.
Is there a suitable policy regarding the use of personal electrical appliances?	Yes	A monthly newsletter is sent out by the managing agent, and this periodically includes messages regarding this point.
Are electrical leads and extension cables well managed and carefully positioned?	N/A	No extension cables were present at the time of the investigation.
General comments:		

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4.2 Smoking

		Comment
Is smoking permitted on the premises	No	Smoking is not permitted within common areas of the building. No smoking signs are present.
Does smoking occur in areas that are not designated as smoking areas?	No	There does not appear to be smoking in the building.
Within designated smoking areas are smokers' materials disposed of safely?	N/A	There are no designed smokers areas.
General comments:		

4.3 Arson

		Comment
Does basic security against arson by outsiders appear reasonable?	No	Access via the MAP and the car park are controlled with a fob. Access to the residential areas is controlled with a fob. Access to the service rooms is via a combination of keys (inc. FB2). Access to the apartments is by lock and key. The security appears to be sufficient.
General comments:		

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4.4 Fixed & Portable Heating Provisions

		Comment
What fixed heating installations are used to heat the premises?		Electric heating is provided to all flats. The other residential communal areas are unheated.
Are fixed heating installations subject to regular maintenance?	Unknown	The maintenance of the heating systems is the responsibility of the leaseholders. The monthly newsletter from the managing agency periodically reminds the residents that they have a duty to ensure this is suitability maintained.
Are additional portable heating appliances in use?	No	There are no portable heating appliances present.
Is their use suitably controlled to minimise the risk of a fire to an acceptable standard?	N/A	
General comments:		

4.5 Cooking

	Comment
What type of cooking facilities are provided at the premises?	No communal cooking facilities. Kitchens provided in individual apartments.

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Are reasonable measures taken to prevent fires as a result of cooking?	Yes	
Are suitable extinguishing appliances available in the cooking facilities?	N/A	
General comments: None of the flats are used as Airbnb.		

4.6 Lightning

		Comment
Do the premises have a lightning protection system?	Yes	Maintenance certificate needs to be provided.
General comments:		

4.7 Housekeeping

		Comment
Is the standard of housekeeping adequate?	No	The All areas were clear of flammable materials.
General Comments		

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4.8 Furniture & Furnishings

		Comment
Do furniture and furnishings meet FFFSR standards?	Yes	
General comments:		

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5. FIRE PROTECTION MEASURES

5.1 Means of Escape from Fire

		Comment
Is the premises provided with reasonable means of escape in case of fire?	Yes	
Are there enough exit routes for the number of people in the building?	Yes	
Are all exits easily and immediately openable where necessary?	Yes	
Are escape routes unobstructed?	No.	
Are all travel distances within acceptable levels?	Yes	
Are there suitable fire provision for all inner rooms?	N/A	No inner rooms.
Are arrangements for means of escape for disabled people reasonable?	Yes	Assessed previously in Section 3.4.
Are external escape staircases and gangways subject to a suitable maintenance schedule?	N/A	None present.
General Comments		

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5.2 Measures to Limit Fire Spread & Development - Internal

		Comment
Is the compartmentation of a reasonable standard?	Yes	In all visible locations fire stopping was present. A fire stopping register is available and has been reviewed. The document is available from the managing agent.
Do walls provide suitable protection to escape routes?	Yes	
Are fire doors in good condition, providing good compartmentation?	Yes	A fire door survey has been undertaken of all the communal and accessible flat front doors. The communal door surveys are undertaken every 3 months. This showed none of the doors achieved the required standard and remedial works are required to bring them up to a suitable standard.
Are fire shutters in good condition, providing good compartmentation?	Not Applicable	None present.
Do ducts that pass- through fire separating walls have dampers fitted?	N/A	There did not appear to be any ductwork.
General Comment		

5.3 Measures to Limit Fire Spread & Development - External

		Comment
Are reasonable measures in place to prevent rapid fire spread across	Yes	

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the external surfaces of the building?		
Has the outer face of the building been provided with an insulating cladding system?	No	
Is the external cladding system in a good state of repair, capable of resisting a fire from an external source?	Yes	
Are there features of the building construction which might assist a fire to spread vertically?	No	Please see above.
Are balconies present and are they constructed in such a way as to minimise the spread of fire from balcony to balcony?	Yes	The balconies do not have soffits. The residents are advised through the monthly newsletter about the importance of keeping the balconies clear of flammable materials.
General comments:		

5.4 Emergency Escape Lighting

		Comment
Has a reasonable standard of emergency escape lighting been provided?	Yes	Emergency lighting provided on all floors at a reasonable spacing sufficient for emergency exit.
Cause & Effect known	Yes	Lighting comes on if there is a power failure,
Testing and maintenance	Provided	A maintenance certification is provided in the Appendix.
General comments:		

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5.5 Fire Safety Signs & Notices

		Comment
Is there a reasonable standard of fire safety signs and notices?	No	The following signs were not present and need to be provided: • Evacuation Strategy • Fire Zone Plan
General comments:		

5.6 Means of Giving Warning in Case of Fire

		Comment
What alarm system has been installed on the premises.		The residential flats have individual smoke / heat detectors and sounders – LD3. There is a L5 fire alarm system comprising smoke detectors in all communal and ancillary areas (inc. basement) connected to a fire control panel. Sounders are provided to the roof area.
Is the means of giving warning, in case of fire, appropriate for the occupancy and fire risk?[1]	Yes	
Cause & Effect known	Yes	
Are sound levels, of the alarm system, adequate throughout the premises?	Yes	

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Testing and maintenance	Yes	A Maintenance certification is provided in the Appendix.
General comments: The fire alarm panel is located next to the bin store. The door providing access to this has been locked from the inside. The FRS need to be informed of the location.		

5.7 Manual Fire Extinguishing Appliances

		Comment
Is there reasonable provision of portable fire extinguishers?	No	
Are all fire extinguishing appliances readily accessible?	N/A	
Testing and maintenance	N/A	
General comments:		

5.8 Automatic Fire Extinguishing

		Comment
Is there automatic fire extinguishing on the premises?	Yes	Sprinklers are present in the residential flats.

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Cause & Effect known	Yes	
Testing and maintenance	N/A	A maintenance certificate is present and available.
General comments:		

5.9 Smoke Control

		Comment
Is there a smoke control system installed on the premises?	Yes	AOV at the head of all staircases. 2x AOV on each communal corridor on each floor.
What is the purpose of the smoke control system?	Yes	The smoke control system is designed to minimise smoke build up in the common areas of the building. The smoke control is appropriate for the building.
Cause & Effect known	Yes	
Testing and maintenance	Provided	Maintenance certificate is provided in the appendix.
General comments:		

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6. MANAGEMENT OF FIRE SAFETY

6.1 FIRE STRATEGY DOCUMENTATION / PROVISIONS

		Comment
What is the evacuation strategy for the building?		Stay put for the residential flats and simultaneous evacuation from the communal and ancillary areas.
Who is responsible for the management of fire safety on the premises?	Not Known	Wharf Management Ltd
Are there suitable arrangements for summoning the fire and rescue service?	Yes	The residents are advised to call the FRS if there see a fire. Confirmation required that the fire panel is linked directly to a 24/7 monitoring service.
What arrangements have been made for ensuring that the premises has been evacuated?	Not Applicable	The building operates a stay put strategy.
Is there a suitable fire assembly point?	No	The location of a rendezvous point needs to be clarified and communicated to residents.
Are there adequate procedures for evacuation of any disabled people who are likely to be present?	Yes	
Are there routine in- house inspections of fire precautions?	Yes	Routine housekeeping is undertaken, and the managing agent has records.
Is a suitable defect reporting system in place\	Yes	There is a process in place for ensuring that and defects or changes to the communal areas so not impact the fire safety systems. Residents are responsible for defect repairs within their respective flats.
General comments:		

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7. FIRE SERVICE ACCESS & INFORMATION

7.1 Information for the Fire Service

		Comment
Is an information pack available for handover to the fire service?	Yes	A fire box was present in the lobby by the refuse store. An ERP has been produced and 2x copies of this on waterproof paper are in this.
Is information available on the luminous discharge (neon) signs?	N/A	No luminous signs are present on site.
Is information available on the photovoltaic generating system?	Yes	In the PIB.
General comments:		

7.2 Access & Water Supply

		Comment
Is vehicular access for the fire service acceptable?	Yes	
Are local water supplies sufficient for firefighting?	Yes	Hydrants are present in the adopted carriageways immediately adjacent to the building.
General comments		

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7.3 Maintenance of Facilities, Equipment & Devices Provided for Firefighting

		Comment
Rising Mains	Yes	A dry riser inlet is available by the car park entrance door. Outlets are present in the stair / lift lobby on each floor.
Fire-fighting lifts	No	None present.
Testing and maintenance	Yes	Maintenance certificates were not available for the dry riser and need to be provided.
General comments:		

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8.0 PREMISES FIRE RISK ASSESSMENT

Fire Risk Assessment

The Wharf
Altrincham
WA14 1AP

Date of Survey	14/08/2024
Assessment By	Andrew West
Date of Assessment	20/11/2024
Reviewed By	Steve Diggines
Date of Review	20/11/2024

Revisions:
A: Risk updated as further information provided and discussion with the managing agent.

Risk Matrix

Factors	Potential Hazards	RISKS	Risk Assessment L	S	RISK	Control Measures (to reduce to Trivial)
Fire Hazards	Maintenance are not available for the lift.	There is a risk of fire from an unmaintained lift. This is not considered a significant risk as on most occassions if there is any form of fault with the lift motors the lift goes out of action. There is also a fire alarm within the lift shaft.	1	2	Low	Provide a maintenance certificate for the lift.
	Maintenance records / certificates are not avilable for the lightining protection.	Risk of Fire ignition. A maintained fire alarm system is in place and so this reduces this risk.	2	2	Low	Lightening Protection certificate required.
Fire Protection Measures	Many of the communal fire doors and flat front doors do not meet the required standard.	If they do not meet the required standard then there is an increased risk of fire spreading. The evacuation strategy is stay put and so this is essential these are repaired to ensure the compartmentation. However, all thr apartments have a maintained sprinkler system that will extinguish any fire before it gets the opportunity to spread.	2	2	Low	All doors must be repaired so that they achieve the required standard.
	Fire evacuation and fire zone signage is not present.	Risk of delayed evacuation for residents and also it will not be easy to esatblish whoch smoke detector has been activated without a zone plan.	2	2	Low	Provide fire zone and evacuation strategy signage in the appropriate locations.
	The fire alarm panel is located next to the bin store. The door providing access to this has been locked. Access cannot therefore be achieved easily.	The FRS may not know where this is and spend time looking for it.	1	2	Low	Make sure the FRS are advised of the location. Place a sign in the entrance lobby.
Management of Fire Safety	The location of a suitable rendevous point is unknown	It is essential that when people evacuate they know where to go. This will enable the emergency services to determine who is in the building etc.	1	2	Low	Location of the rendevous to be provided and communicated to the residents.
Information for the Fire Service	Dry riser maintenance records need to be provided	Risk that the FRS will be delayed. The dry riser is check during the hi	2	4	Medium	Dry riser maintenance records need to be provided.

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9.0 PREMISES FIRE RISK RATING

The following simple fire risk level estimator is based on a commonly used health and safety risk level estimator:

Likelihood	Potential Consequences		
	Slight harm	**Moderate harm**	**Severe harm**
Low	Trivial	Tolerable	Moderate
Medium	Tolerable	Moderate	Substantial
High	Moderate	Substantial	Intolerable

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 that has been advocated for general health and safety risks:

Risk Level	Action and Timescale
Trivial	No action is required, and no detailed records need to be kept.
Tolerable	No major additional fire precautions required. However, there might be a need for reasonably practicable improvements that involve minor or limited cost.
Moderate	It is essential that efforts are made to reduce the risk. Risk reduction measures, which should take cost into account, 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 premises are unoccupied, it should not be occupied until the risk has been reduced. If the premises are occupied, urgent action should be taken.
Intolerable	Premises (or relevant area) should not be occupied until the risk is reduced.

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9.1 Likliehood of Fire

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

There is a low likelihood of fire because of negligible potential sources of ignition.

9.2 Impact of Fire

Considering the nature of the premises and the occupants, as well as the fire protection and procedural arrangement 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:

Low Harm

An outbreak of fire could foreseeably result in injury (including serious injury) of one or more occupants, but it is unlikely to involve multiple fatalities.

9.3 Summary of Risk Rating

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

Trivial

No major additional fire precautions required. However, there might be a need for reasonably practicable improvements that involve minor or limited cost.

9.4 Recommended Review

It is recommended that this fire risk assessment is reviewed in 12 months time to assess progress.

Once the various remedial actions are completed, the recommended review period may be extended if appropriate.

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10.0 Action Plan

FRA Action Plan

Date of FRA: 20/11/2024

The Wharf, Altrincham

Rev A: Action plan updated in accordance with Risk Assessment

To remedy the deficiences identified in sections 3 to 7, the following recommendations should be implemented in order to reduce the fire risk to, or maintain it at, the following level.

Trivial ☑ Tolerable ☐

Deficiency / Rectification	*Priority*	*Date to be Rectified*	*Date Rectified*	*Action by Whom?*
Provide a maintenance certificate for the lift.	Low	20/02/2025		MCR
Lightening Protection certificate required.	Low	20/02/2025		MCR
All doors must be repaired so that they achieve the required standard.	Low	20/02/2025		MCR
Provide fire zone and evacuation strategy signage in the appropriate locations.	Low	20/02/2025		MCR
Make sure the FRS are advised of the location. Place a sign in the entrance lobby.	Low	20/02/2025		MCR
Location of the rendevous to be provided and communicated to the residents.	Low	20/02/2025		MCR
Dry riser maintenance records need to be provided.	Medium	20/12/2024		MCR

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Appendix A

Fire Door Survey Results

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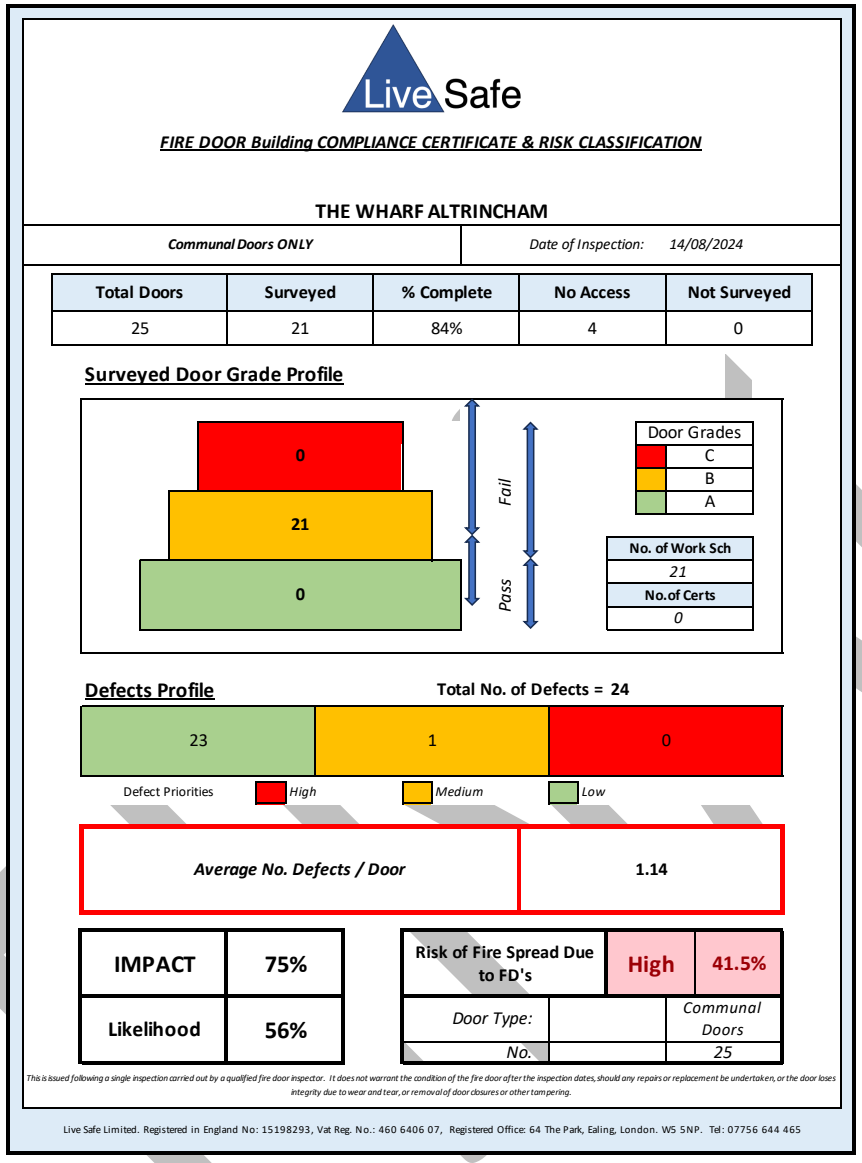

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FIRE DOOR Building COMPLIANCE CERTIFICATE & RISK CLASSIFICATION

THE WHARF ALTRINCHAM

Communal Doors ONLY	*Date of Inspection:* *14/08/2024*

Total Doors	Surveyed	% Complete	No Access	Not Surveyed
25	21	84%	4	0

Surveyed Door Grade Profile

Defects Profile **Total No. of Defects = 24**

Average No. Defects / Door	1.14

IMPACT	75%
Likelihood	56%

Risk of Fire Spread Due to FD's	High	41.5%
Door Type:		*Communal Doors*
No.		*25*

This is issued following a single inspection carried out by a qualified fire door inspector. It does not warrant the condition of the fire door after the inspection dates, should any repairs or replacement be undertaken, or the door loses integrity due to wear and tear, or removal of door closures or other tampering.

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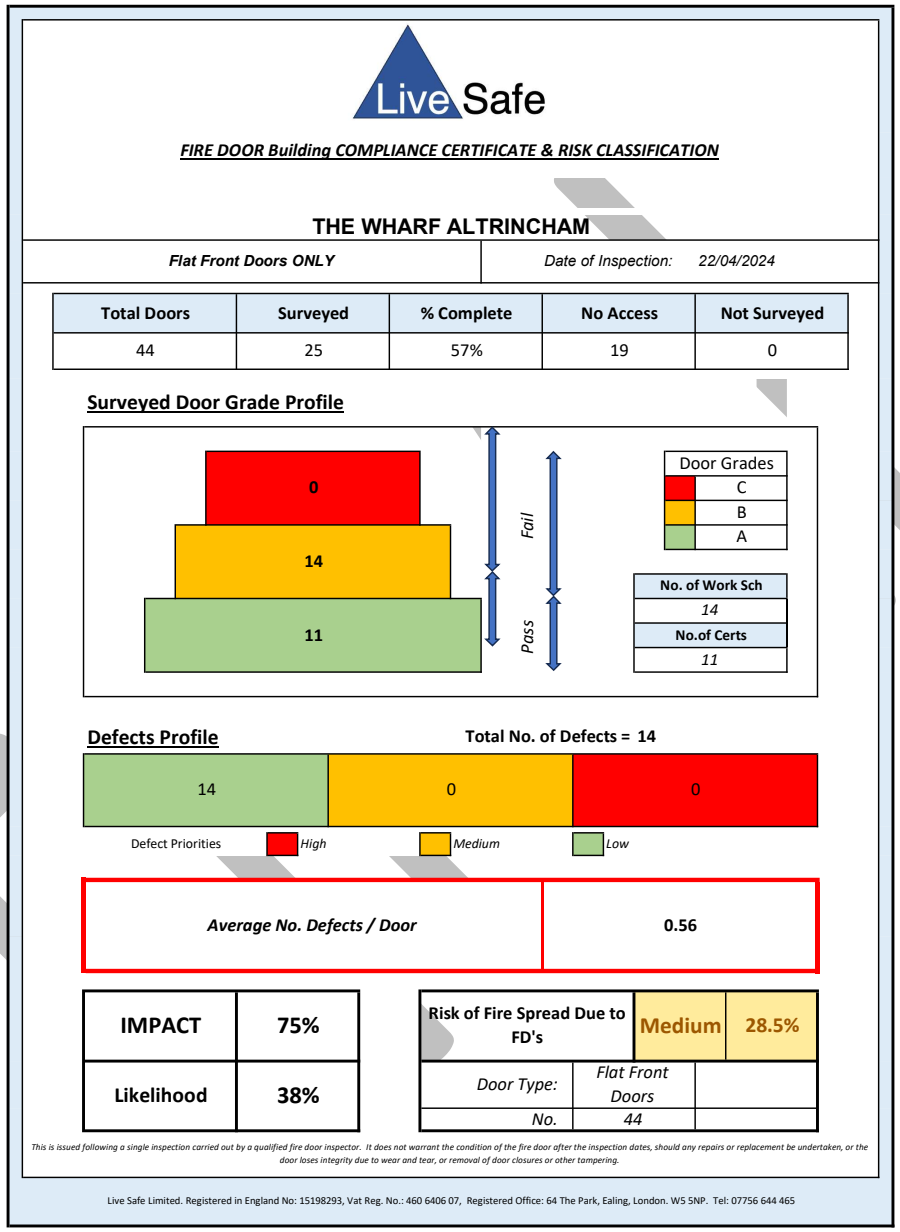

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FIRE DOOR Building COMPLIANCE CERTIFICATE & RISK CLASSIFICATION

THE WHARF ALTRINCHAM

Flat Front Doors ONLY	*Date of Inspection: 22/04/2024*

Total Doors	Surveyed	% Complete	No Access	Not Surveyed
44	25	57%	19	0

Surveyed Door Grade Profile

Defects Profile **Total No. of Defects = 14**

Average No. Defects / Door	0.56

IMPACT	75%
Likelihood	38%

Risk of Fire Spread Due to FD's	Medium	28.5%
Door Type:	*Flat Front Doors*	
No.	*44*	

This is issued following a single inspection carried out by a qualified fire door inspector. It does not warrant the condition of the fire door after the inspection dates, should any repairs or replacement be undertaken, or the door loses integrity due to wear and tear, or removal of door closures or other tampering.

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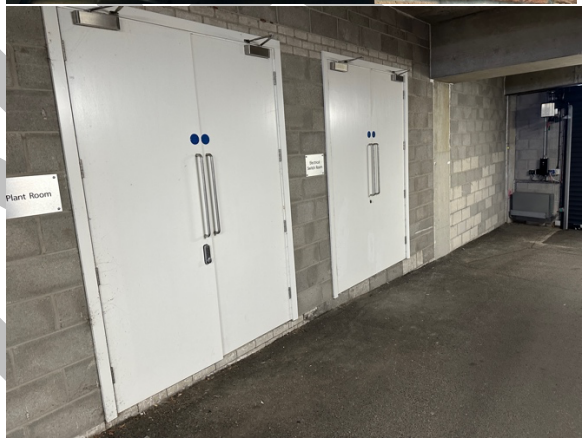
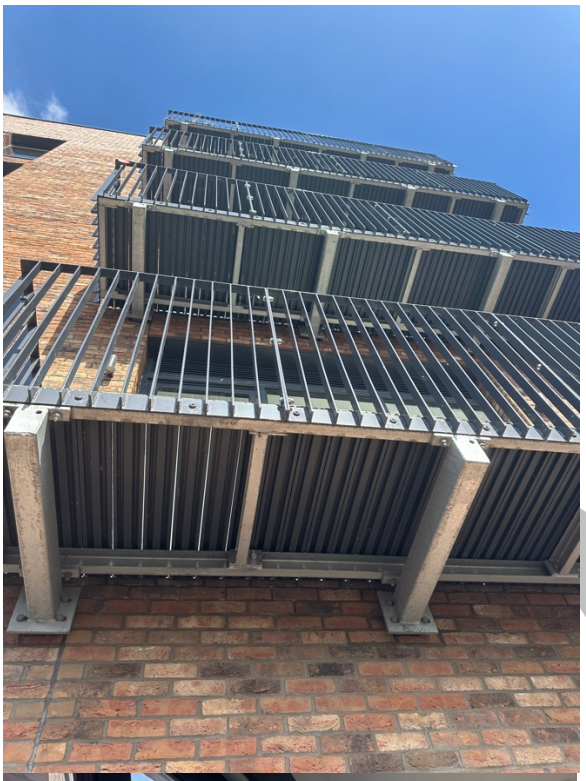
Appendix B

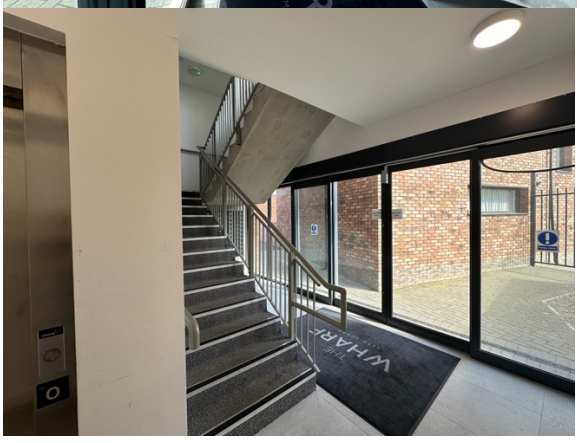
Photographs

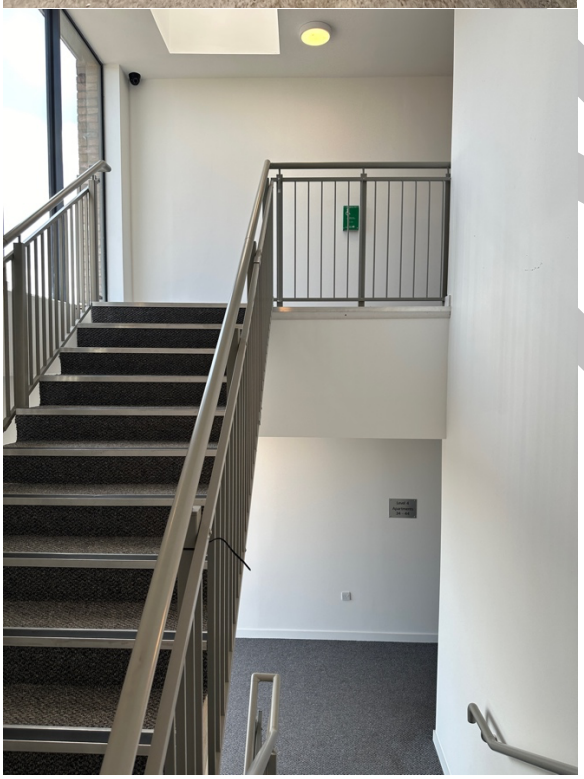

Plant Room

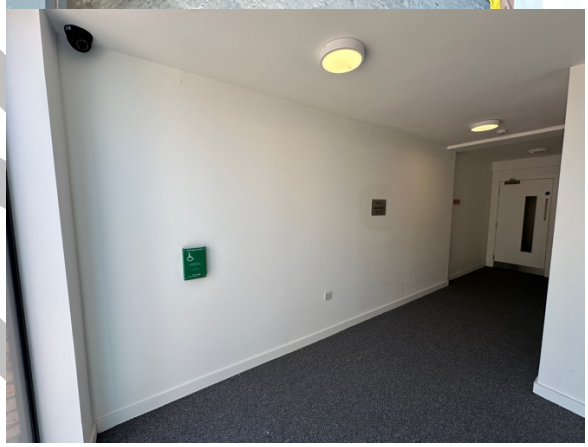


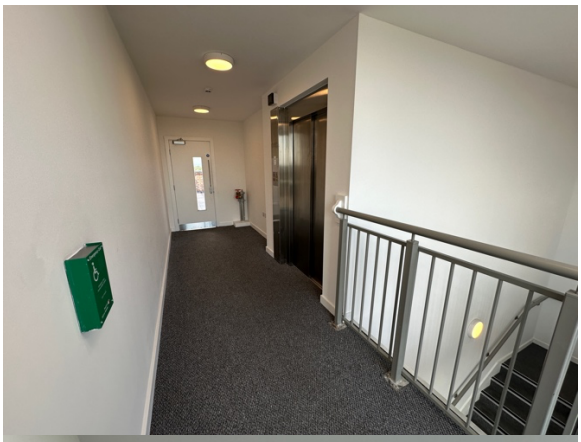


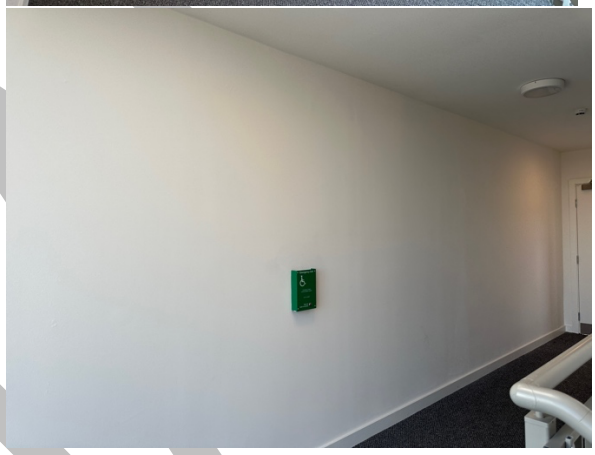
THE
WHARF

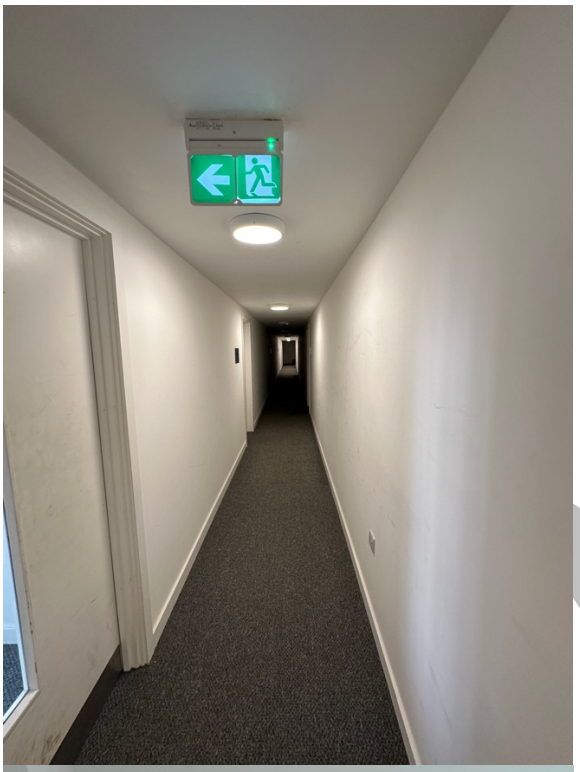

WHARF

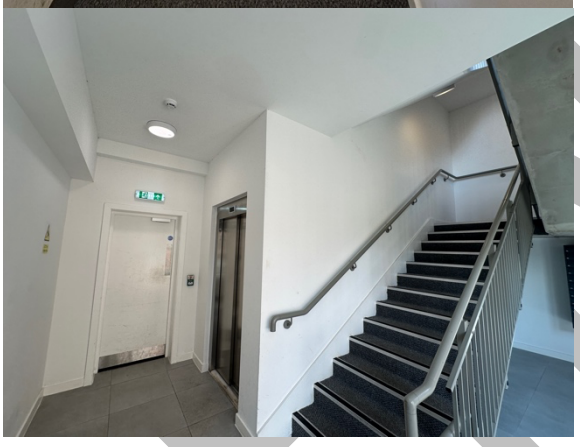


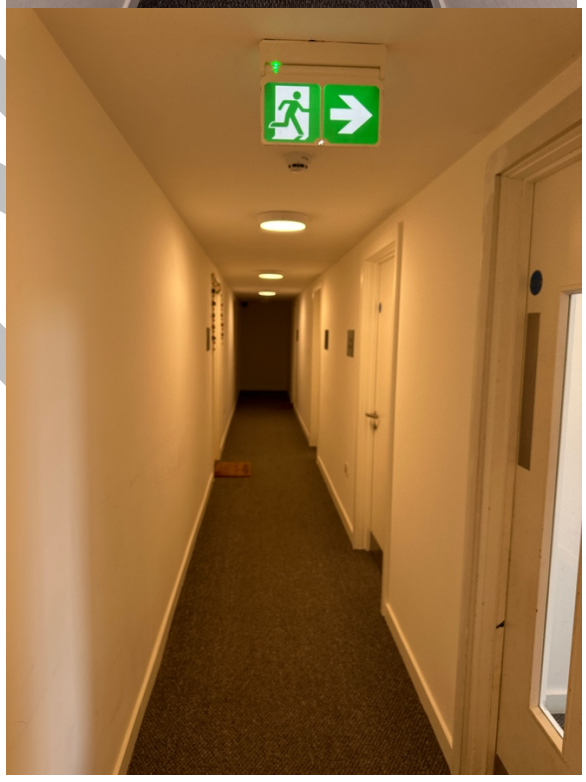


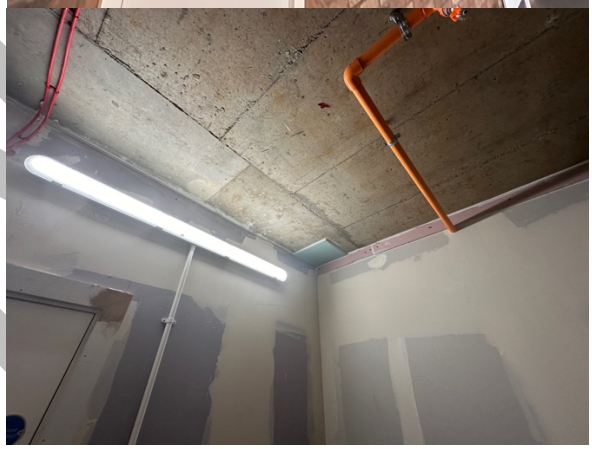


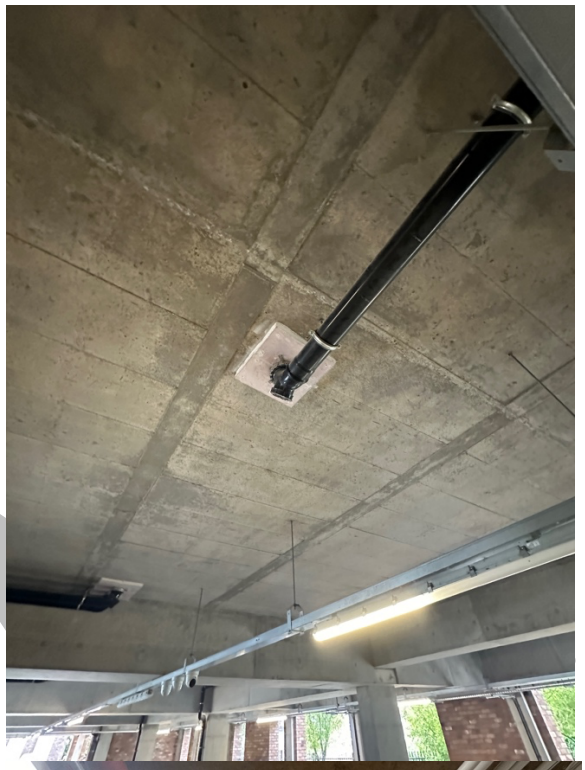


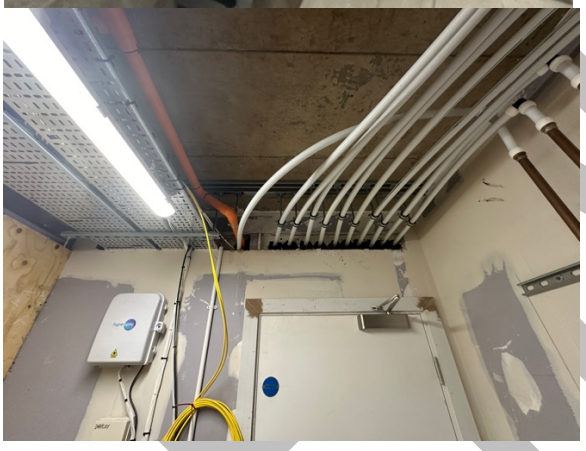


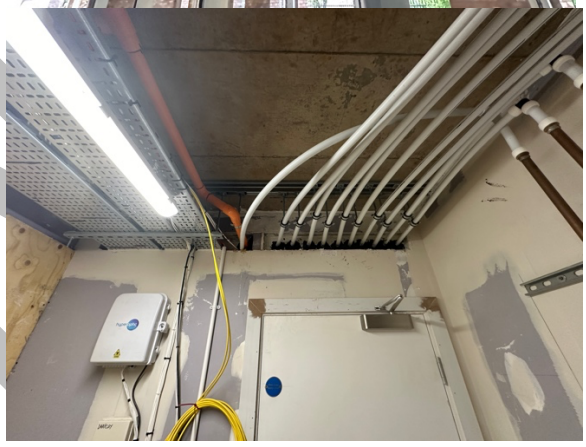


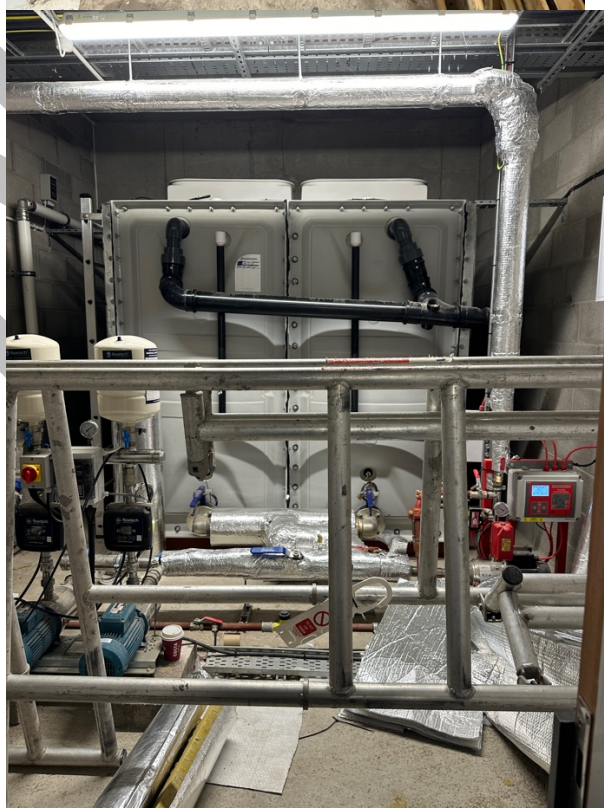












Appendix C

Latest Commissioning Certificates and Management Arrangements

FINAL

vent engineering
natural and smoke ventilation systems

Inspection and Servicing Certificate

Ventec House, Unit 16,
Chalwyn Industrial Estate,
Poole, Dorset BH12 4PE
+44 (0) 1202 744 958
info@vent.co.uk
www.vent.co.uk

Certificate of acceptance for the smoke control system at:

Client Details: Olympian Fire Protection Ltd

Address: The Wharf, Wharf Road

Altrincham **Postcode:** WA14 1ND

I being the competent person responsible (as Indicated by my signatures below) for the servicing of the smoke control system, particulars of which are set below, CERTIFY that the said work for which I have been responsible conforms to the best of my knowledge and belief with BS 7346-8:2013, Clause 9, except for the variations, if any, stated in this certificate.

Name and Surname (in block letters): Chris Baker Position: Director

Signature: ..... Date: 26/06/2024

For and behalf of: Ventec 100 Ltd t/a Vent Engineering

Address: Unit 16C, Chalwyn Industrial Estate

Poole

Dorset Postcode: BH12 4PE

The extent of liability of the signatory is limited to the system described below.

Extent of system covered by the certificate:
Mechanical smoke ventilation system as detailed on wiring schematic
REV N - CB - 001 REVISION A

Deviations from BS 7346-8:2013, Clause 9:
None

□ Relevant details of the work carried out and faults identified have been entered in the system logbook.
N/A

OLYMPIAN
FIRE PROTECTION LTD

EMERGENCY LIGHTING CERTIFICATE

Certificate Number - 2024008

Certificate of Inspection servicing relating to the Emergency Lighting installation at: Wharf Rd Apartments
Address: 1-44, 27 Wharf Rd, Altrincham, Cheshire WA14 1AP

I being the competent person/s responsible (as indicated by my/our signatures below) for the particulars of which are set out below, CERTIFY that to the best of my/our knowledge and belief the: -

- Installation has been visually inspected for defects and is in accordance with the requirements of BS 5266-1:2016
- Installation provides the appropriate coverage for the building layout and current usage and is in accordance with the requirements of BS 5266-1: 2016
- Installation has been tested in accordance with the requirements of BS 5266-1:2016
- ~~The remedial works identified in the certificate No..... Dated.... have been undertaken in accordance with the requirements of BS5266-1: 2016~~

Name: George Vekkos Position: Test Engineer

Signature: Date: 24/06/2024

By: Olympian Fire Protection Ltd, Unit 1, Cheadle Court, Turves Rd, Cheadle Hulme, Stockport, Cheshire, SK8 6AW

On behalf of/Client: Wharf Rd Management Ltd
Address: Universal Square, 3rd Floor, Building 2, Devonshire Street North, Manchester, M12 6JH

The Extent of liability pertaining to the signatory is limited to the system described below
Extent of system covered by this certificate: The complete emergency lighting installation within the building

Duration time of discharge test – 3 Hours

Any Variations from the recommendations of BS 5266-1: Non noted

Details of the work carried out and faults identified have been entered in the system log-book: Yes~~/No~~

The following remedial works/actions are considered necessary in order to bring the installation up to a satisfactory standard/condition:

No remedial works required.

The Installation Status is classed as:- **satisfactory**

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OLY2024056 - Master

FIRE DETECTION AND ALARM SYSTEM
INSPECTION AND SERVICING REPORT

A. Details of the Client

Client :	Wharf Rd Management Ltd
Address:	Universal Square 3rd Floor, Building 2 Deveonshire Street North, Manchester Post Code: M12 6JH

B. Details of fire Detection and Alarm System

Address	Wharf Rd Apartments 1-44, 27 Wharf Rd Altrincham, CHESHIRE Post Code: WA14 1AP
Details of the system	L5 fire alarm installation to Landlords/ common areas & 3 IP rated sounder beacons on the roof

C. Extent of the Installation and Limitations of the Inspection and Servicing

Extent of the detection and alarm system covered by this report:

The whole of the installation

Agreed limitations, if any, on the inspection and servicing:

None

D. Certification of Inspection and Servicing

I being the competent person(s) responsible (as indicated by my signature(s) below) for the Inspection and Servicing of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I have been responsible complies to the best of my knowledge and belief with the recommendations of Clause 45 of BS 5839-1:2017, quarterly inspection of vented batteries/periodic inspection and test/ inspection and test over a 12 month period (delete as applicable), except for the variations, if any, stated in this report.

Variations from the recommendations of Clause 45 of BS 5839-1:2017 for periodic or annual inspection and test (as applicable):

§ None

I further declare that in my judgement, the said system was overall in * Satisfactory condition (see G) at the time the inspection and servicing was carried out, and that it should be further inspected as recommended (see H).

** (Insert 'a satisfactory' or 'an unsatisfactory' as appropriate)*

The extent of the liability of the signatory is limited to the system described above.
For the **INSPECTION** and **SERVICING** of the system:

Name: Darren Morrell Position: Managing Director Signature: Date: 24/06/2024

§ Continue on additional numbered pages as required

E. Particulars of the Organisation Responsible for the Inspection and Servicing

Organisation:	Olympian Fire Ltd
Address:	Unit 1 Cheadle Court,Turves Rd Cheadle Hulme, Stockport Cheshire SK8 6AW Post Code:

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F. Observations and Recommendations for Actions to be Taken

Referring to the attached schedules of inspection and testing results, and subject to limitations at C:

There are no items adversely affecting operational performance of the fire detection and alarm system ✓

or

The following observations and recommendations are made ✗

Item No	Description	Recommendation Code +

Note: if necessary, continue on additional numbered page(s).

+ Where observations are made the inspector will have entered one of the following codes against each observation to indicate the action (if any) recommended

1. 'requires urgent attention' or
2. 'requires improvement' or
3. 'requires further investigation' or
4. 'does not comply with BS 5839-1:2017'

Urgent remedial work recommended for Items: N/A

Corrective action(s) recommended for Items: N/A

G. Summary of Inspection and Servicing

† See note below

General condition of the fire detection and alarm system :

Date(s) of the inspection and servicing: 24/06/2024

§ The installation was in good condition and fully operational.

§ Continue on additional numbered pages as required

✓ Outstanding defects reported to responsible person

✓ Relevant details of the work carried out and faults identified have been entered in the system log book. (see Clause 40.2)

During the past 12 months, None false alarms have occurred.

This number of false alarms equates to N/A false alarms per 100 automatic fire detectors per annum

(for Category M systems enter 'Not Applicable').

H. Next Inspection And Servicing

Based upon risk assessment, taking into account type of system and environment , I RECOMMEND that the fire detection and alarm system,details of which are given on page 1 of this certificate,is inspected and serviced after a period not exceeding:

§ 6 Months or change of tenancy

§ Enter a period not exceeding 6 months

† *All Boxes must be completed*

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I. Quarterly Inspection of Vented Batteries † See note below

✓	Batteries Checked	✓	Battery connections checked	✓	Electrolyte levels checked and topped up as necessary

J. Schedule of Items Inspected † See note below

Premises

✓	Manual call points suitably sited	✓	Building use or occupancy does not make existing types of automatic fire detector unsuitable for detection of fire or prone to unwanted alarms
✓	Manual call points are unobstructed	N/A	Additional fire detection and alarm equipment provided in any extensions or alterations to the building
✓	Manual call points are conspicuous		
✓	All exits, including any new exits, have manual call points		
✓	Automatic fire detectors suitable for building use or occupancy		
✓	Automatic fire detectors suitably sited		
✓	Fire alarm devices suitably sited		
✓	No partitions within 500 mm horizontally of any automatic fire detector(Clause 22.3g)		
✓	No storage within 300 mm of ceilings (Clause 22.3i)		
✓	Clear space of 500 mm exists below each automatic fire detector(Clause 22.3n)		
✓	Each automatic fire detector's ability to receive the stimulus it is designed to detect has not been impeded by any other means.		

Documentation

✓	System log book examined
✓	Any faults recorded have been attended to

False alarms *§ Continue on additional numbered pages as required.*

✓	Record of false alarms checked in accordance with Clause 30.2i
N/A	Rate of false alarms during the previous 12 months recorded (Clause 30.2i)
N/A	Action taken in respect of false alarms complies with the recommendations of Clause 30.2j:

§

K. Schedule of Items Tested † See note below

✓	Fire alarm functions of CIE checked by operation of at least one detector or manual call point in each circuit and entry made in log book indicating which indicating device used for these tests	N/A	Radio systems serviced in accordance with manufacturer's recommendations
✓	Operation of fire alarm devices	✓	For other equipment, manufacturer's checks and tests performed
✓	Controls and visual indicators at CIE checked for correct operation	N/A	Printers checked for correct operation
✓	Ancillary functions of CIE tested	N/A	Printers checked that characters are legible
✓	For CIE, manufacturer's checks and tests performed	N/A	Printer consumables available in sufficient quantity to ensure operation until next service visit
✓	Fault indicators and their circuits checked by simulation of fault conditions	✓	Standby battery disconnected and full load alarm simulated
N/A	Automatic transmission of alarm signal to receiving centre	N/A	Specific gravity of each cell of vented batteries checked
N/A	Automatic transmission of other signals, such as fault signals,to receiving centre	✓	Mains disconnected and batteries momentarily load tested (other than those within devices such as manual call points,detectors and fire alarm sounders of a radio linked system)

L. Arrangements in Place for Repair of Faults or Damage † See note below

✓	Emergency call out arrangement in place where maintenance carried out by a third party	✓	User records faults or damage in log book
✓	Name and telephone number of any third party responsible for maintenance prominently displayed at main CIE	✓	User arranges for repairs to be carried out as soon as possible
✓	Records and documentation give information on maintenance arrangements. See Clause 40		

† *All boxes must be completed*

✓ *Indicates an inspection or a test was carried out and the result was* ***satisfactory***

✗ *Indicates an inspection or a test was carried out and the result was* ***unsatisfactory***

N/A *Indicates that an inspection or test was* ***Not Applicable.***

LIM *Indicates that, exceptionally, a* ***limitation*** *agreed with the person ordering the work* ***prevented*** *the inspection or test being carried out.*

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M. Over a 12 Month Period - Schedule of Items Inspected

† See note below

Premises

✓	Automatic fire detectors unpainted	✓	Readily accessible cable fixings secure
✓	Automatic fire detectors undamaged	✓	Readily accessible cable fixings undamaged
✓	Visual fire alarm devices not obstructed	**Documentation**	
✓	Lenses of visual fire alarm devices are clean	N/A	Cause and effect programme confirmed as being correct

N. Over a 12 Month Period - Schedule of Items Tested

† See note below

✓	Switch mechanism of every manual call point	✓	CIE manufacturer's annual checks and tests carried out
✓	Fire alarm devices checked for correct operation	N/A	Radio signal strengths checked for adequacy
✓	Automatic fire detectors functionally tested, including heat detectors, point smoke detectors,optical beam smoke detectors, aspirating fire detection systems, carbon monoxide fire detectors, flame detectors and multi-sensor detectors	✓	For fire detection systems that enable analogue values to be determined, it should be confirmed that each analogue value is within the range specified by the manufacturer
		✓	Standby power supply capacity checked
N/A	All unmonitored, permanently-illuminated filament lamp indicators at CIE replaced	N/A	Checks recommended by manufacturers of other components of system carried out

O. Additional Checks Upon Change of Servicing Organisation

† See note below

N/A	Adequate number of call points (Clause 20.2)	N/A	Standby power supplies provided
N/A	Adequate provision of fire detection for the category of system	N/A	Standby power supplies comply with Clause 25.4
N/A	Sound pressure levels comply with Clause 16.2	N/A	Exposure of false alarms is not excessive (see Section 3)
N/A	Change in use, layout or construction of the premises have not reduced system effectiveness	N/A	Experience of false alarms is not excessive (see Section 3)
N/A	Cabling has fire resistance complying with Clause 26.2	N/A	Existing records checked
N/A	Circuits monitored in compliance with Clause 12.2	✓	Log book available (if not available, a suitable log book should be provided by the servicing organisation). (See Clause 48.2)
N/A	Requirements of BS 7671 are met (Clause 29)		

P. Related Reference Documents

		Date Issued:			Date Issued:
Design Specification Ref. No:	N/A	N/A	Fire Alarm Commissioning Certificate No:	N/A	N/A
Design Drawings Ref. No:	N/A	N/A	Fire Alarm Verification Certificate No:	N/A	N/A
'As Fitted' Drawings No:	N/A	N/A	Operating and Maintenance Instructions:	N/A	N/A
Electrical Installation Certificate No:	N/A	N/A	Previous inspection and servicing report:	N/A	N/A
Fire Alarm Design Certificate No:	N/A	N/A	Log Book:	N/A	N/A
Fire Alarm Installation Certificate No:	N/A	N/A	Other:	N/A	N/A

† *All boxes must be completed*

✓ *Indicates an inspection or a test was carried out and the result was* ***satisfactory***

✗ *Indicates an inspection or a test was carried out and the result was* ***unsatisfactory***

N/A *Indicates that an inspection or test was* ***Not Applicable.***

LIM *Indicates that, exceptionally, a* ***limitation*** *agreed with the person ordering the work* ***prevented*** *the inspection or test being carried out.*

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Certificate number 12650
ISO 9001
OHSAS 18001

Certificate No:
311254

KM 573948

Module Certificate - Maintenance Certificate of a Fire Detection and Fire Alarm System

IMPORTANT NOTE: Recipients of this BAFE Certificate are strongly advised to have their System(s) covered by a maintenance contract with an SP203-1 Certificated Organisation with maintenance included within their scope.

	SCHEDULE	
Part 1	**Name of company issuing this certificate**	**BAFE Reg No**
	Olympian Fire Protection Limited	100872
Part 2	**Name of Customer** Wharf Rd Management Ltd	
Part 3	**Address of Protected Premises** Wharf Rd Apartments 1-44,27 Wharf Rd Altrincham WA14 1AP United Kingdom	
Part 4	**4.1 Type of System and Applicable Standard/Code of Practice** BS 5839-1 Fire Detection and Alarm System (Non-domestic premises)	
	4.2 Type of premises Domestic	
	4.3 Detail of system/work undertaken Service and inspection	
	4.4 List of variations/modifications have been presented Not applicable	
	4.5 Maintenance work undertaken Not applicable	
Part 5	**Date of Handover of the system**	2022/06/28
	Date of last maintenance (if applicable)	2024/06/24
	Date of next maintenance	December 2024

We, being currently an BAFE SP203-1 'Certificated Organization' in respect of Fire Detection and Fire Alarm Systems of the type(s) we have identified in Part 4 of the above Schedule, certify that the system in the above Schedule complies with the Standard or Code of Practice identified in the above Schedule and with all other requirements as currently laid down within the SP203-1 Certification Scheme in respect of such a system.

Signed for and on behalf of the issuing organisation	
Print Name	Darren Morrell
Job Title	Managing Director
Date	2024/06/28

BSI Group, Kitemark House, Maylands Avenue, Hemel Hempstead, HP2 4SQ, United Kingdom
Telephone: 0345 080 9000 email: mk.customerservices@bsigroup.com web: www.bsigroup.com
BAFE, The Fire Service College, London Road, Moreton-in-Marsh, Gloucestershire GL56 0RH
Telephone: 0844 335 0897; email: info@bafe.org.uk; web: www.bafe.org.uk

Certificate number 12650
ISO 9001
OHSAS 18001

Certificate No:
311254

KM 573948

Module Certificate – Maintenance Certificate of a Fire Detection and Fire Alarm System

Part 7	**Variations**
Part 8	**Comments** None

BSI Group, Kitemark House, Maylands Avenue, Hemel Hempstead, HP2 4SQ, United Kingdom
Telephone: 0345 080 9000 email: mk.customerservices@bsigroup.com web: www.bsigroup.com
BAFE, The Fire Service College, London Road, Moreton-in-Marsh, Gloucestershire GL56 0RH
Telephone: 0844 335 0897; email: info@bafe.org.uk; web: www.bafe.org.uk

Certificate number 12650
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OHSAS 18001

CERTIFICATE

EPG SERVICES
ELECTRICAL PLUMBING GAS

NICEIC APPROVED CONTRACTOR

ELECTRICAL INSTALLATION CERTIFICATE

CERTIFICATE No: EICS-20220622150459

This is to certify that the electrical installation at the following address complies with the requirements of BS7671:2018+A2:2022 (18th Edition)

Communal, 27 Wharf Road
Altrincham
WA14 1AP

The following work was carried out at the address above

Electrical Installation to Communal Areas

This Certificate deems the installation to be in the following condition:

SATISFACTORY

Company issuing this Certificate

Electrical Plumbing & Gas Services Ltd
5-6 Nelrose, Princess Rd
Manchester
Greater Manchester
M20 2LT
0161 8811883
danny@elecplumbgas.co.uk
CPS Enrolment No: 043992

Issued on

22/06/2022

Inspected by	Reviewed by
David Hickman	Daniel Hall

Recommended re-test

5 years from date of issue

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Certificate number 12650
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EPG SERVICES ELECTRICAL PLUMBING GAS

NICEIC APPROVED CONTRACTOR

CERTIFICATE NO: EICS-20220622150459

ELECTRICAL INSTALLATION CERTIFICATE (SHORT)

Requirements for electrical installations (BS7671:2018+A2:2022 (18th Edition))

DETAILS OF THE CLIENT

Intro Developments Ltd
Universal Square Building 2, 3rd Floor
Devonshire Street North
Manchester
M12 6JH

: -
: -
:
: Intro Developments Ltd

DETAILS OF THE INSTALLATION

-
Communal, 27 Wharf Road
Altrincham
-
WA14 1AP

: -
: -
: -
: -

EXTENT OF INSTALLATION COVERED BY THIS CERTIFICATE

Extent of the electrical installation covered by this certificate

Electrical Installation to Communal Areas

Description of premises

- [x] Residential
- [ ] Commercial
- [ ] Industrial
- [ ] Other

-

Installation is

- [x] New
- [ ] An addition
- [ ] An alteration

DETAILS OF DEPARTURES AND PERMITTED EXCEPTIONS

Details of departures and permitted exceptions BS 7671 (Regs 120.3, 133.5, 411.3.3). ☐ ***Risk assessment included.***

-

COMMENTS ON EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2)

FOR DESIGN, CONSTRUCTION AND INSPECTION AND TESTING

Electrical Plumbing & Gas Services Ltd
5-6 Nelrose, Princess Rd
Manchester
Greater Manchester
M20 2LT

: 0161 8811883
: 07702559156
: danny@elecplumbgas.co.uk
: www.elecplumbgas.co.uk
Registration no: 043992

EPG SERVICES ELECTRICAL PLUMBING GAS

NICEIC APPROVED CONTRACTOR

I/We, being the person(s) responsible for the design, construction and inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction and inspection and testing, hereby **CERTIFY** that the work for which I have been responsible is to the best of my knowledge and belief in accordance with BS7671:2018+A2:2022 (18th Edition) as amended except for the departures, if any, detailed as follows.

Inspected and tested by

Name	Signature
David Hickman	D Hickr.

Position	Date
ELECTRICIAN	22/06/2022

Certificate authorised by

Name	Signature
Daniel Hall	

Position	Date
QS	22/06/2022

NEXT INSPECTION

I, recommend that this installation is further inspected and tested in: 5 years

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Certificate number 12650
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CERTIFICATE NO: EICS-20220622150459

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements		Number and type of live conductors				Nature of supply parameters				Supply Protective Device	
TN-S	☐	AC	✓	DC	☐	Nominal voltage - U	230 V	Uo	400 V	BS(EN)	88
TN-C-S	✓	1-phase (2 wire)	☐	1-phase (3 wire)	☐	Nominal frequency - f	50 Hz	No of supplies	1	Type	-
TN-C	☐	2-phase (3 wire)	☐	2 pole	☐	PFC - Ipf	4 kA	Supply polarity confirmed	✓	Short circuit capacity (kA)	33
TT	☐	3-phase (3 wire)	☐	3-phase (4 wire)	✓	Earth loop impedance - Ze	0.22 Ω	Maximum demand	150 A	Rated current (A)	100
IT	☐			Other	☐						

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing

Distributor's facility ✓

Earth electrode

Details of installation earth electrode (where applicable)

Type: eg rod, tape: N/A

Location: N/A

Resistance to earth: N/A Ω

Method of measurement: N/A

Main switch / switch fuse /circuit breaker / RCD				Earthing conductor		Main protective bonding conductors		Bonding of extraneous conductive parts			
Type BS(EN)	60947-3	Voltage rating	400 V	Conductor material	Copper	Conductor material	-	Water	-	Gas	-
No of poles	4	Rated current - In	100 A	Conductor csa (mm^2)	16	Conductor csa (mm^2)	-	Oil	-	Structural steel	-
Conductor material	Copper	Fuse/device rating or setting	- A	Continuity check	✓			Lightning protection	-	Other services	-
Conductor csa (mm^2)	25	RCD operating current, In	- mA								
RCD time delay (ms)	- ms	RCD operating time at IΔn	- ms								

Bonding locations and measurements can be found on page ADDITIONAL BONDING INFORMATION at the end of this certificate.

BONDING OUTCOMES	Pass ✓	Not applicable N/A	No access 🔒

Location of main switch

-

SCHEDULE OF INSPECTIONS

Item No.	Description	Outcome	Item No.	Description	Outcome
1.0	Condition of consumer's intake equipment (Visual inspection only)	✓	8.0	Circuits (Distribution and final)	✓
2.0	Parallel or switched alternative sources of supply	✓	9.0	Isolation and switching	✓
3.0	Protective measure: Automatic disconnection of supply	✓	10.0	Current using equipment (permanently connected)	✓
4.0	Basic protection	✓	11.0	Identification and notices	✓
5.0	Protective measures other than ADS	✓	12.0	Location(s) containing a bath or shower	✓
6.0	Additional protection	✓	13.0	Other special installations or locations	✓
7.0	Distribution equipment	✓	14.0	Prosumer's low voltage electrical installation(s)	✓

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Certificate number 12650
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OHSAS 18001

EICS-20220622150459

DB-1 - Plant Room - () (47 ways)

Applies in every case					Characteristics at this board
DB name	DB-1	Supplied from	Origin		Supply polarity confirmed
Location	Plant Room	No of circuits	47	No of phases 1	Phase sequence confirmed

SPD Details	Type T1	Type T2	Type T3	SPD Operation status confirmed

Overcurrent protective device for the supply circuit				Measurements at this board					
BS(EN)	-	Rating (A)	-	Voltage Rating (V)	-	Zs (Ω)	0.18	Ipf (kA)	1.4	IΔn (ms)	-

CIRCUIT DETAILS

					Conductors			Overcurrent devices					RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm^2)	cpc (mm^2)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
3	Spare	-	-	-	-	-	-	-	-	-	-	-	-
4	Spare	-	-	-	-	-	-	-	-	-	-	-	-
5	Spare	-	-	-	-	-	-	-	-	-	-	-	-
6	Spare	-	-	-	-	-	-	-	-	-	-	-	-
7	Spare	-	-	-	-	-	-	-	-	-	-	-	-
8	Spare	-	-	-	-	-	-	-	-	-	-	-	-
9	Spare	-	-	-	-	-	-	-	-	-	-	-	-
10	Spare	-	-	-	-	-	-	-	-	-	-	-	-
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-
14	Spare	-	-	-	-	-	-	-	-	-	-	-	-
15	Roller Shutter	1	F	F	4	4	0.4	60898-C	10	10	-	2.19	N/A
16	Spare	-	-	-	-	-	-	-	-	-	-	-	-
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	N/A
20	Spare	-	-	-	-	-	-	-	-	-	-	-	N/A
21	Spare	-	-	-	-	-	-	-	-	-	-	-	N/A
22	DB2	1	G/A	F	25	25	0.4	60898-B	63	10	-	0.69	N/A
23	DB2	1	G/A	F	25	25	0.4	60898-B	63	10	-	0.69	N/A
24	DB2	1	G/A	F	25	25	0.4	60898-B	63	10	-	0.69	N/A
25	Pump	1	G/A	E	4	4	0.4	60898-C	20	10	-	1.09	N/A
26	Data Supply	1	F	F	1.5	1.5	0.4	60898-B	6	10	-	7.28	N/A
27	Car Park Lighting	6	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
28	Car Park Lighting	4	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
29	Car Park Lighting	7	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
30	Car Park Lighting	6	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
31	Plant, Pump and Bike Lights	1	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
32	External Lighting	3	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
33	External Lighting	6	D	B	2.5	2.5	0.4	61009-B	6	10	-	7.28	30
34	Spare	-	-	-	-	-	-	-	-	-	-	-	-
35	Spare	-	-	-	-	-	-	-	-	-	-	-	-
36	Spare	-	-	-	-	-	-	-	-	-	-	-	-
37	Spare	-	-	-	-	-	-	-	-	-	-	-	-
38	Spare	-	-	-	-	-	-	-	-	-	-	-	-
39	Spare	-	-	-	-	-	-	-	-	-	-	-	-
40	Spare	-	-	-	-	-	-	-	-	-	-	-	-
41	Spare	-	-	-	-	-	-	-	-	-	-	-	-
42	Spare	-	-	-	-	-	-	-	-	-	-	-	-
43	Spare	-	-	-	-	-	-	-	-	-	-	-	-
44	Spare	-	-	-	-	-	-	-	-	-	-	-	-
45	Spare	-	-	-	-	-	-	-	-	-	-	-	-
46	Spare	-	-	-	-	-	-	-	-	-	-	-	-

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					Conductors			Overcurrent devices					RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm^2)	cpc (mm^2)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
47	Spare	-	-	-	-	-	-	-	-	-	-	-	-

Certificate number 12650
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EICS-20220622150459

TEST RESULTS DB-1 - Plant Room - (47 ways)

		Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						RCD		AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Roller Shutter	-	-	-	0.24	-	500	200	200	✓	0.32	-	N/A	N/A	N/A	No
16	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Spare	-	-	-	-	-	-	-	-	-	-	-	N/A	N/A	N/A	No
21	Spare	-	-	-	-	-	-	-	-	-	-	-	N/A	N/A	N/A	No
22	DB2	-	-	-	0.06	-	500	200	200	✓	0.24	-	N/A	N/A	N/A	No
23	DB2	-	-	-	0.06	-	500	200	200	✓	0.24	-	N/A	N/A	N/A	No
24	DB2	-	-	-	0.06	-	500	200	200	✓	0.24	-	N/A	N/A	N/A	No
25	Pump	-	-	-	0.10	-	500	200	200	✓	0.24	-	N/A	N/A	N/A	No
26	Data Supply	-	-	-	0.48	-	500	200	200	✓	0.57	-	N/A	N/A	N/A	No
27	Car Park Lighting	-	-	-	1.10	-	500	200	200	✓	1.53	-	19.3	✓	N/A	No
28	Car Park Lighting	-	-	-	1.16	-	500	200	200	✓	1.40	-	19.9	✓	N/A	No
29	Car Park Lighting	-	-	-	1.51	-	500	200	200	✓	1.72	-	19.5	✓	N/A	No
30	Car Park Lighting	-	-	-	1.81	-	500	200	200	✓	2.07	-	18.9	✓	N/A	No
31	Plant, Pump and Bike Lights	-	-	-	-	-	500	200	200	-	-	-	-	-	N/A	No
32	External Lighting	-	-	-	1.89	-	500	200	200	✓	2.10	-	21.0	✓	N/A	No
33	External Lighting	-	-	-	2.25	-	500	200	200	✓	2.54	-	21.4	✓	N/A	No
34	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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		Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						RCD		AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
41	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction	Continuity	Insulation resistance	EFLI Tester	RCD tester
1763027	-	-	-	-

Tested by (Capitals)	Signature	Date
David Hickman	D Hickman	22/06/2022

Certificate produced by electraform based on the MODEL FORM from BS7671:2018+A2:2022 (18th Edition)

Certificate number 12650
ISO 9001
OHSAS 18001

EICS-20220622150459

DB-2 - 1st Floor Riser - () (36 ways)

Applies in every case		Applies when the board is not connected to the origin		Characteristics at this board
DB name	DB-2	Supplied from	DB1	Supply polarity confirmed
Location	1st Floor Riser	No of circuits	36	No of phases 3 — Phase sequence confirmed

SPD Details	Type T1	Type T2	Type T3	SPD Operation status confirmed

Overcurrent protective device for the supply circuit

BS(EN) - Rating (A) - Voltage Rating (V) -

Measurements at this board

Zs (Ω) 0.24 Ipf (kA) 2KA IΔn (ms) -

CIRCUIT DETAILS

					Conductors			Overcurrent devices					RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm^2)	cpc (mm^2)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
1L1	1st Floor Sockets, Hall and Landing	6	LSZH/T&E	C	4	1.5	0.4	61009-B	20	-	-	2.19	30
1L2	1st Floor Hall and Landing Heaters	3	LSZH/T&E	C	4	1.5	0.4	61009-B	20	-	-	2.19	30
1L3	2nd Floor Hall and Landing Sockets	6	LSZH/T&E	C	4	1.5	0.4	61009-B	20	-	-	2.19	30
2L1	2nd Floor Hall and Landing Heaters	3	LSZH/T&E	C	4	1.5	0.4	61009-B	20	-	-	2.19	30
2L2	Lights 1st Floor	8	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
2L3	Lights 1st Floor	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
3L1	Lights 2nd Floor	8	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
3L2	Lights 2nd Floor	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
3L3	1st and Ground Floor Lights Stairwell	8	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
4L1	Lights Electrical and Cleaner Rooms	5	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
4L2	CCTV and TV Amps	2	LSZH/T&E	C	1.5	1	0.4	60898-B	6	-	-	7.28	N/A
4L3	Spare	-	-	C	-	-	-	-	-	-	-	-	-
5L1	Lift	-	LSZH/SWA	F	1.5	1	0.4	60898-C	20	-	-	1.09	N/A
5L2	Lift	1	LSZH/SWA	F	6	6	0.4	60898-C	20	-	-	1.09	N/A
5L3	Lift	-	LSZH/SWA	F	1.5	1	0.4	60898-C	20	-	-	1.09	N/A
6L1	3rd Floor DB	-	LSZH/SWA	F	1.5	1	0.4	60898-C	63	-	-	0.35	N/A
6L2	3rd Floor DB	1	LSZH/SWA	F	16	16	0.4	60898-C	63	-	-	0.35	N/A
6L3	3rd Floor DB	-	LSZH/SWA	F	1.5	1	0.4	60898-C	63	-	-	0.35	N/A
7L1	Ground Floor Sockets Stairwell	2	LSZH/T&E	C	2.5	1.5	0.4	61009-B	20	-	-	2.19	30
7L2	Ground Floor Heater Stairwell	2	LSZH/T&E	C	2.5	1.5	0.4	61009-B	20	-	-	2.19	30
7L3	Bin Store Lights	-	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
8L1	Lobby Area Lights	-	LSZH/T&E	C	1.5	1	0.4	61009-B	6	-	-	7.28	30
8L2	Disabled Alarm	1	FP	C	1.5	1	0.4	60898-B	6	-	-	7.28	N/A
8L3	Fire Alarm Panel	1	FP	C	1.5	1	0.4	60898-B	6	-	-	7.28	N/A
9L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
9L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
9L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-
10L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
10L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
10L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-
11L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
11L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
11L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
12L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-

Certificate number 12650
ISO 9001
OHSAS 18001

EICS-20220622150459

TEST RESULTS DB-2 - 1st Floor Riser - (36 ways)

		Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						RCD		AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
1L1	1st Floor Sockets, Hall and Landing	-	-	-	1.31	-	500	200	200	✓	1.54	-	19	✓	N/A	No
1L2	1st Floor Hall and Landing Heaters	-	-	-	0.94	-	500	200	200	✓	1.17	-	19	✓	N/A	No
1L3	2nd Floor Hall and Landing Sockets	-	-	-	1.05	-	500	200	200	✓	1.31	-	19	✓	N/A	No
2L1	2nd Floor Hall and Landing Heaters	-	-	-	0.82	-	500	200	200	✓	1.08	-	19	✓	N/A	No
2L2	Lights 1st Floor	-	-	-	1.94	-	500	200	200	✓	2.17	-	20	✓	N/A	No
2L3	Lights 1st Floor	-	-	-	1.70	-	500	200	200	✓	1.96	-	20	✓	N/A	No
3L1	Lights 2nd Floor	-	-	-	2.00	-	500	200	200	✓	2.26	-	20	✓	N/A	No
3L2	Lights 2nd Floor	-	-	-	1.94	-	500	200	200	✓	2.20	-	20	✓	N/A	No
3L3	1st and Ground Floor Lights Stairwell	-	-	-	1.40	-	500	200	200	✓	1.66	-	20	✓	N/A	No
4L1	Lights Electrical and Cleaner Rooms	-	-	-	0.77	-	500	200	200	✓	1.12	-	22	✓	N/A	No
4L2	CCTV and TV Amps	-	-	-	0.25	-	500	200	200	✓	0.51	-	N/A	N/A	N/A	No
4L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L1	Lift	-	-	-	-	-	500	200	200	-	-	-	-	✓	-	-
5L2	Lift	-	-	-	0.22	-	500	200	200	✓	0.44	-	N/A	N/A	N/A	No
5L3	Lift	-	-	-	-	-	500	200	200	-	-	-	-	-	-	-
6L1	3rd Floor DB	-	-	-	-	-	500	200	200	-	-	-	-	-	-	-
6L2	3rd Floor DB	-	-	-	-	-	500	200	200	✓	0.31	-	N/A	N/A	N/A	No
6L3	3rd Floor DB	-	-	-	-	-	500	200	200	-	-	-	-	-	-	-
7L1	Ground Floor Sockets Stairwell	-	-	-	0.40	-	500	200	200	✓	0.65	-	19	✓	N/A	No
7L2	Ground Floor Heater Stairwell	-	-	-	0.46	-	500	200	200	✓	0.71	-	19	✓	N/A	No
7L3	Bin Store Lights	-	-	-	-	-	500	200	200	✓	-	-	19	✓	N/A	No
8L1	Lobby Area Lights	-	-	-	0.58	-	500	200	200	✓	0.84	-	19	✓	N/A	No
8L2	Disabled Alarm	-	-	-	0.38	-	500	200	200	✓	0.61	-	N/A	N/A	N/A	No
8L3	Fire Alarm Panel	-	-	-	0.36	-	500	200	200	✓	0.60	-	N/A	N/A	N/A	No
9L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction	Continuity	Insulation resistance	EFLI Tester	RCD tester
1763027	-	-	-	-

Tested by (Capitals)	Signature	Date
David Hickman	D.Hick.	22/06/2022

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Certificate number 12650
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DB-3 - 3rd Floor Riser - () (24 ways)

Applies in every case		Applies when the board is not connected to the origin		Characteristics at this board
DB name	DB-3	Supplied from	DB2	Supply polarity confirmed
Location	3rd Floor Riser	No of circuits	24	No of phases 1
				Phase sequence confirmed

SPD Details	Type T1	Type T2	Type T3	SPD Operation status confirmed

Overcurrent protective device for the supply circuit				Measurements at this board					
BS(EN)	-	Rating (A)	-	Voltage Rating (V)	-	Zs (Ω)	0.31	Ipf (kA)	1.2	IΔn (ms)	-

CIRCUIT DETAILS

					Conductors			Overcurrent devices					RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm^2)	cpc (mm^2)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
1	Heaters 4th Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
2	Cleaners Sockets 5th Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
3	Heaters 5th Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
4	Cleaners Sockets 4th Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
5	Heaters 3rd Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
6	Cleaners Sockets 3rd Floor	4	LSZH/T&E	C	4	1.5	0.4	61009-B	20	10	-	2.19	30
7	3rd Floor Lighting	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
8	3rd Floor Lighting	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
9	4th Floor Lighting	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
10	4th Floor Lighting	7	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
11	5th Floor Lighting	11	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
12	Storage and Riser Lighting	5	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
13	Stairwell 4th Floor Lighting	8	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
14	Stairwell 2nd and 3rd Floor Lighting	11	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
15	External Lighting	14	LSZH/T&E	C	1.5	1	0.4	61009-B	6	10	-	7.28	30
16	Medial Power Supply	1	LSZH/T&E	C	1.5	1	0.4	60898-B	6	10	-	7.28	N/A
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	-
20	Spare	-	-	-	-	-	-	-	-	-	-	-	-
21	Spare	-	-	-	-	-	-	-	-	-	-	-	-
22	Spare	-	-	-	-	-	-	-	-	-	-	-	-
23	Spare	-	-	-	-	-	-	-	-	-	-	-	-
24	Spare	-	-	-	-	-	-	-	-	-	-	-	-

EICS-20220622150459

TEST RESULTS DB-3 - 3rd Floor Riser - (24 ways)

		Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance						RCD		AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
1	Heaters 4th Floor	-	-	-	1.15	-	500	200	200	✓	1.27	-	19.3	✓	N/A	No
2	Cleaners Sockets 5th Floor	-	-	-	1.29	-	500	200	200	✓	1.29	-	19.8	✓	N/A	No
3	Heaters 5th Floor	-	-	-	0.28	-	500	200	200	✓	0.44	-	19.5	✓	N/A	No
4	Cleaners Sockets 4th Floor	-	-	-	1.80	-	500	200	200	✓	1.84	-	19.3	✓	N/A	No
5	Heaters 3rd Floor	-	-	-	1.00	-	500	200	200	✓	1.14	-	19.3	✓	N/A	No
6	Cleaners Sockets 3rd Floor	-	-	-	1.47	-	500	200	200	✓	1.53	-	19.5	✓	N/A	No
7	3rd Floor Lighting	-	-	-	1.73	-	500	200	200	✓	1.90	-	19.9	✓	N/A	No
8	3rd Floor Lighting	-	-	-	1.64	-	500	200	200	✓	1.79	-	19.7	✓	N/A	No
9	4th Floor Lighting	-	-	-	2.14	-	500	200	200	✓	2.29	-	20.1	✓	N/A	No
10	4th Floor Lighting	-	-	-	1.87	-	500	200	200	✓	2.05	-	19.5	✓	N/A	No
11	5th Floor Lighting	-	-	-	1.51	-	500	200	200	✓	1.67	-	20.8	✓	N/A	No
12	Storage and Riser Lighting	-	-	-	0.38	-	500	200	200	✓	0.57	-	21.6	✓	N/A	No
13	Stairwell 4th Floor Lighting	-	-	-	1.60	-	500	200	200	✓	1.72	-	20.1	✓	N/A	No
14	Stairwell 2nd and 3rd Floor Lighting	-	-	-	1.83	-	500	200	200	✓	2.03	-	20.5	✓	N/A	No
15	External Lighting	-	-	-	2.26	-	500	200	200	✓	2.39	-	18.4	✓	N/A	No
16	Medial Power Supply	-	-	-	0.28	-	500	200	200	✓	0.55	-	N/A	N/A	N/A	No
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction	Continuity	Insulation resistance	EFLI Tester	RCD tester
1763027	-	-	-	-

Tested by (Capitals)	Signature	Date
David Hickman	D Hickman	22/06/2022

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ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
Certificate number 12650
ISO 9001
OHSAS 18001

EICS-20220622150459

ADDITIONAL BONDING INFORMATION

Water bond details

Water bond size
- mm²

Water bond measurement
- Ω

Water bond location
-

Additional notes
-

Gas bond details

Gas bond size
- mm²

Gas bond measurement
- Ω

Gas bond location
-

Additional notes
-

Oil bond details

Oil bond size
- mm²

Oil bond measurement
- Ω

Oil bond location
-

Additional notes
-

Structural steel bond details

Steel bond size
- mm²

Steel bond measurement
- Ω

Steel bond location
-

Additional notes
-

Lightning conductor bond details

Lightning conductor size
- mm²

Lightning conductor measurement
- Ω

Lightning conductor location(s)
-

Additional notes
-

Other bond details

Other bonding conductor size
- mm²

Bonding conductor measurement
- Ω

Other bonding conductor location(s)
-

Additional notes
-

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Certificate number 12650
ISO 9001
OHSAS 18001

CERTIFICATE NO: EICS-20220622150459

ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE FOR RECIPIENTS

This CERTIFICATE is an important and valuable document which should be retained for future reference.

- This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671.
- You should have received a Certificate without watermarks and the company should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.
- This Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of BS 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this Certificate, together with schedules, is included in the project health and safety documentation.
- For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a skilled person or persons, competent in such work. The maximum time interval recommended before the next inspection is stated on Page 1 under "NEXT INSPECTION".
- This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or an addition to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An "Electrical Installation Condition Report (EICR)" should have been issued for such an inspection.
- This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and Test Results.
- Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. **For safety reasons it is important this instruction is followed.**
- Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturers instructions should be followed with respect to test button operation.
- Where the installation includes a surge protection device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturers information. If the indication shows the device is not operational, seek expert advice. **For safety reasons it is important this instruction is followed.**
- Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.

CODES FOR TYPE OF WIRING								
A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**O (Other)**
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	MICC cables	Other cable types not listed here
FP	**TR**	**HT**	**SY**	**YY**	**CY**	**VIR**		
FP 200 - standard fire resistant cable	Tri-rated - BS 6231 high temperature - flame retardant cable	Hi Tuff - waterproof with a tough PVC sheathing for outdoor use	SY cable - flexible instrumentation cable with a galvanised steel wire braid	YY cable - flexible instrumentation cable with a galvanised steel wire braid	CY cable - flexible instrumentation cable with a galvanised steel wire braid and a PETP separator	VIR - Vulcanised Indian Rubber cable - no longer manufactured		

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Certificate number 12650
ISO 9001
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OLYMPIAN FIRE PROTECTION LTD

Fire Alarm Cause and Effect Matrix Relating to the Fire Alarm & Smoke Ventilation Systems

Project Name:	Wharf Road, Altrincham	Project No.	OLY P1012	Matrix Rev:	(-)	Date:	19/11/2024	Engineer :	Anthony Massey

	Cause	Effect	Door Access System - Doors revert to open	Lift: Returns to Ground Floor	Remote Monitoring Station sent Fire Signal	Staircase Head of Stair AOV	Smoke Shaft No 1 Damper on Fire Floor opens and Smoke Fan Operates	Smoke Shaft No 2 Damper on Fire Floor opens and Smoke Fan Operates	Roof Terrace Sounders operate	Warning Signal on Fire Panel only
1	Zone 1 -Car Park goes into Fire		O	A1	A	O			A	
2	Zone 2 - Staircase goes into Fire		O	A1	A	O			A	
3	Zone 3 - Lift goes into Fire		O	A1	A	O			A	
4	Zone 4 - Level 1 Corridor goes into Fire		O	A1	A	O	A	A	A	
5	Zone 5 - Level 2 Corridor goes into Fire		O	A1	A	O	A	A	A	
6	Zone 6 - Level 3 Corridor goes into Fire		O	A1	A	O	A	A	A	
7	Zone 7 - Level 4 Corridor goes into Fire		O	A1	A	O	A	A	A	
8	Zone 8 - Level 5 (Roof) Plant Spaces goes into Fire		O	A1	A	O			A	
9	Any Apartment Sprinkler operates									A
10										

Legend	
Open	O
Closed	C
ACTION as Stated	A
Shutdown	S
Return to GF	A1

FINAL

FINAL

Certificate number 12650
ISO 9001
OHSAS 18001

FINAL

FINAL

Certificate number 12650
ISO 9001
OHSAS 18001