ELECTRICAL INSTALLATION CERTIFICATE
(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS7671 [IET WIRING REGULATIONS])

Wilton Electrics Ltd.
Wilton House
3-5 Cowbridge
Hertford
Herts. SG14 1PG
Tel: 01992 581511
Fax: 01992 558542
post@wiltonelectrics.co.uk
www.wiltonelectrics.co.uk

DETAILS OF THE CLIENT:	*Barratt West London Ltd* *Wallis House, Great West Road,* *Brentford.* *Middlesex, TW8 9BS.*
INSTALLATION ADDRESS:	*Flat 3* *Croxby House, 34 Prince Regent Road,* *Hounslow,TW3 1EX*
CERTIFICATE NUMBER:	*4559/3CH*

DESCRIPTION AND EXTENT OF THE INSTALLATION Tick boxes as appropriate

Description of installation: *Apartment*

Extent of installation covered by this Certificate:

Whole Electrical Installation of Apartment

(Use continuation sheet if necessary) see continuation sheet No:

New installation ☑
Addition to an existing installation ☐
Alteration to an existing installation ☐

FOR DESIGN

I/We being the person(s) responsible for the design 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 hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to **2015** except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3 and 133.5): *None*

The extent of liability of the signatory or the signatories is limited to the work described above as the subject of this Certificate.

For the DESIGN of the installation: **(Where there is mutual responsibility for the design)

Signature: Date: *08.07.2022* *Alex Knight* Designer No 1

Signature: Date: Name: Designer No 2**

FOR CONSTRUCTION

I/We being the person(s) responsible for the construction 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 construction hereby CERTIFY that the construction work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to **2015** except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3 and 133.5): *None*

The extent of liability of the signatory is limited to the work described above as the subject of this Certificate.

For CONSTRUCTION of the installation:

Signature: Date: *08.07.2022* Name: *Rob Johnston* Constructor

FOR INSPECTION & TESTING

I/We being the person(s) responsible for the inspection & 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 inspection & testing hereby CERTIFY that the work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to **2015** except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3 and 133.5): *None*

The extent of liability of the signatory is limited to the work described above as the subject of this Certificate.

For INSPECTION AND TESTING of the installation:

Signature: Date: *08.07.2022* Name: *Steve Richardson*
Inspector

NEXT INSPECTION

I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than **5** years.

NICEIC APPROVED CONTRACTOR
NICEIC ENROLMENT NO. 022782

PARTICULARS OF SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

Designer (No 1)

Name: *Alex Knight* Company: *Wilton Electrics Ltd*

Address: *Wilton House* *Director*

3-5 Cowbridge, Hertford, Tel No: *01992 581511*

Herts, SG14 1PG.

Designer (No 2) (if applicable)

Name: Company:

Address:

Tel No:

Constructor

Name: *Rob Johnston* Company: *Wilton Electrics Ltd*

Address: *Wilton House*

3-5 Cowbridge, Hertford, Tel No: *01992 581511*

Herts, SG14 1PG.

Inspector

Signature:  Company: *Wilton Electrics Ltd*

Name: *Alex Knight* Position: *Director*

Address: *Wilton House,3-5 Cowbridge* Tel No: *01992 581511*

Hertford, Herts SG14 1PG.

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Tick boxes and enter details, as appropriate

Earthing arrangements		Number and Type of Live Conductors				Nature of Supply Parameters			Supply Protective Device Characteristics	
TN-C	☐					Nominal voltage, U/U0(1)	*230*	V		
TN-S	☐	a.c.	☑	d.c.	☐				Type:	*2*
TN-C-S	☑	1-phase, 2-wire	☐	2-wire	☐	Nominal frequency, f (1)	*50*	Hz		
TT	☐	1-phase, 3-wire	☐	3-wire	☐					
IT	☐	2-phase, 3-wire	☐	other	☐	Prospective fault current, Ipf (2)	*1.49*	kA	Rated current	*100* A
Other sources of supply (to be detailed on attached schedules)	☐	3-phase, 3-wire	☐							
		3-phase, 4-wire	☐			External loop impedance, Ze (2)	*0.18*	Ω		
						(Note: (1) by enquiry, (2) by enquiry or by measurement)				
		Confirmation of supply polarity	☐							

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE Tick boxes and enter details, as appropriate

Means of Earthing

Distributor's facility ☑

Installation earth electrode ☐

Maximum Demand

Maximum demand (load) *50* ~~kVA~~ Amps Delete as appropriate

Details of Installation Earth Electrode (*where applicable*)

Type *N/A* Location *N/A* Electrode resistance to Earth *N/A*

(e.g. rod(s), tape etc)

Main Protective Conductors

Earthing conductor:	material	*Copper*	csa	*16* mm²	Continuity and connection verified	☑
Main protective bonding conductors	material	*Copper*	csa	*10* mm²	Continuity and connection verified	☑
To incoming water and/or gas service		☑	To other elements:			

Main Switch or Circuit-breaker

BS, Type and No. of poles *BS 60947-3 2 Pole* Current rating *100* A Voltage rating *230* V

Location Apartment Cupboard Fuse rating or setting *100* A

Rated residual operating current In = *N/A* mA, and operating time of *N/A* ms (at In)

(applicable only where an RCD is suitable and is used as a main circuit-breaker)

COMMENTS ON EXISTING INSTALLATION (in the case of an addition or alteration see Section 633):

N/A

SCHEDULES

The attached Schedules are part of this document and this Certificate is valid only when they are attached to it.

1 Schedules of Inspections and *1* Schedules of Test Results are attached.

(Enter quantities of schedules attached).

SCHEDULE OF INSPECTIONS (for new installation work only)

Methods of protection against electric shock

Both basic and fault protection:

- N/A (i) SELV (note 1)
- N/A (ii) PELV
- ✓ (iii) Double insulation
- N/A (iv) Reinforced insulation

Basic protection: (note 2)

- ✓ (i) Insulation of live parts
- ✓ (ii) Barriers or enclosures
- N/A (iii) Obstacles (note 3)
- N/A (iv) Placing out of reach (note 4)

Fault protection:

(i) Automatic disconnection of supply:

- ✓ Presence of earthing conductor
- ✓ Presence of circuit protective conductors
- ✓ Presence of protective bonding conductors
- ✓ Presence of supplementary bonding conductors
- N/A Presence of earthing arrangements for combined protective and functional purposes
- ✓ Presence of adequate arrangements for other source/s, where applicable
- N/A FELV
- ✓ Choice and setting of protective and monitoring devices (for fault and/or overcurrent protection)

(ii) Non-conducting location: (note 5)

- N/A Absence of protective conductors

(iii) Earth-free local equipotential bonding: (note 6)

- N/A Presence of earth-free local equipotential bonding

(iv) Electrical separation: (note 7)

- N/A Provided for **one item** of current-using equipment
- N/A Provided for **more than one item** of current- using equipment

Additional protection:

- ✓ Presence of residual current devices(s)
- ✓ Presence of supplementary bonding conductors

Prevention of mutual detrimental influence

- ✓ (a) Proximity to non-electrical services and other influences
- ✓ (b) Segregation of Band I and Band II circuits or use of Band II insulation
- ✓ (c) Segregation of safety circuits

Identification

- ✓ (a) Presence of diagrams, instructions, circuit charts and similar information
- ✓ (b) Presence of danger notices and other warning notices
- ✓ (c) Labelling of protective devices, switches and terminals
- ✓ (d) Identification of conductors

Cables and conductors

- ✓ Selection of conductors for current-carrying capacity and voltage drop
- ✓ Erection methods
- ✓ Routing of cables in prescribed zones
- ✓ Cables incorporating earthed armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails, screws and the like
- ✓ Additional protection provided by 30 mA RCD for cables concealed in walls (where required in premises not under the supervision of a skilled or instructed person)
- ✓ Connection of conductors
- ✓ Presence of fire barriers, suitable seals and protection against thermal effects

General

- ✓ Presence and correct location of appropriate devices for isolation and switching
- ✓ Adequacy of access to switchgear and other equipment
- ✓ Particular protective measures for special installations and locations
- ✓ Connection of single-pole devices for protection or switching in line conductors only
- ✓ Correct connection of accessories and equipment
- N/A Presence of undervoltage protective devices
- ✓ Selection of equipment and protective measures appropriate to external influences
- ✓ Selection of appropriate functional switching devices

Inspected by

Date

NOTES:

- ✓ to indicate an inspection has been carried out and the result is satisfactory
- N/A to indicate that the inspection is not applicable to a particular item

An entry must be made in every box.

1 SELV An extra-low voltage system which is electrically separated from Earth and from other systems. The particular requirements of the Regulations must be checked (see Regulations 414)

2 Method of basic protection - will include measurement of distances where appropriate

3 Obstacles - only adopted in special circumstances (see Regulations 417.1 and 417.2)

4 Placing out of reach - only adopted in special circumstances (see Regulations 417.1 and 417.3)

5 Non-conducting locations - not applicable in domestic premises and requiring special precautions (see Regulation 418.1)

6 Earth-free local equipotential bonding - not applicable in domestic premises, only used in special circumstances (see Regulation 418.2)

7 Electrical separation (see Section 413 and Regulation 418.3)

Generic Schedule of Test results

DB reference no.	A1-11	**Details of Circuits and/or installed equipment**	**Details of Test Instruments used (state serial and/or asset numbers)**
Location	Cupboard	**vulnerable to damage when testing:**	Continuity 101222220
Zs at DB (Ω)	0.18	None	Insulation Resistance 101222220
Ipf at DB (kA)	1.49		Earth fault loop impedance 101222220
Correct supply polarity confirmed	☑		RCD 101222220
Phase sequence confirmed (where appropriate)	☑		Earth Electrode resistance N/A

Tested By

Name (Capitals)STEVE RICHARDSON **Date:**

		Circuit Details							Test Results											
		Overcurrent Device				Conductor Details			Ring final circuit continuity (Ω)			Continuity (Ω) (R_1+R_2) or R_2		Insulation Resistance (MΩ)		Polarity	Z_s (Ω)	RCD (ms)		
Circuit Number	Circuit Description	BS(EN)	Type	Rating (A)	Breaking Capacity	Reference Method	Live (mm^2)	cpc (mm^2)	r_1 (line)	r_n(neutral)	r_2 (cpc)	(R_1+R_2)*	R_2	Live- Live	Live- E			@5IΔn	Test Button/ functionality	Remarks (continue on seprate sheet if necessary)
	RCD 1	61008	A	80	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	NONE
1	Hob	60898	B	32	6	A	6.0	4.0	N/A	N/A	N/A	0.14	N/A	>200	>200	✓	0.32	149.0	33.3	NONE
2	Kitchen Ring	60898	B	32	6	A	2.5	1.5	0.15	0.15	0.23	0.23	N/A	>200	>200	✓	0.41	149.0	33.3	NONE
3	Oven	60898	B	20	6	A	4.0	2.5	N/A	N/A	N/A	0.18	N/A	>200	>200	✓	0.36	149.0	33.3	NONE
4	Towel Rail	60898	B	16	6	A	2.5	1.0	N/A	N/A	N/A	0.28	N/A	>200	>200	✓	0.46	149.0	33.3	NONE
5	Bedroom - Light	60898	B	6	6	A	1.5	1.0	N/A	N/A	N/A	0.77	N/A	>200	>200	✓	0.98	149.0	33.3	NONE
6	Smoke	60898	B	6	6	A	1.5	1.0	N/A	N/A	N/A	1.22	N/A	>200	>200	✓	1.40	149.0	33.3	NONE
7	Spare																			
8	Spare																			
	RCD 2	61008	A	63	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	159.0	37.2	NONE
1	Flat Ring	61008	B	32	6	A	2.5	1.5	0.64	0.64	0.13	0.32	N/A	>200	>200	✓	0.50	159.0	37.2	NONE
2	Utility Ring	60898	B	32	6	A	2.5	1.5	0.12	0.12	0.20	0.26	N/A	>200	>200	✓	0.44	159.0	37.2	NONE
3	Fridge Freezer	60898	B	16	6	A	2.5	N/A	N/A	N/A	N/A	0.21	N/A	>200	>200	✓	0.39	159.0	37.2	NONE
4	Hiu	60898	B	16	6	A	2.5	1.5	N/A	N/A	N/A	0.24	N/A	>200	>200	✓	0.42	159.0	37.2	NONE
5	Alarm	60898	B	16	6	A	2.5	1.5	N/A	N/A	N/A	0.11	N/A	>200	>200	✓	0.39	159.0	37.2	NONE
6	Lights kitchen & Living	60898	B	6	6	A	1.5	1.5	N/A	N/A	N/A	0.70	N/A	>200	>200	✓	0.88	159.0	37.2	NONE
7	Spare																			
8	Spare																			

ELECTRICAL INSTALLATION CERTIFICATE
NOTES:

1 The Electrical Installation Certificate is to be used only for the initial certification of a new installation or for an addition or alteration to an existing installation where new circuits have been introduced. It is not to be used for a Periodic Inspection, for which an Electrical Installation Condition Report form should be used. For an addition or alteration which does not extend to the introduction of new circuits, a Minor Electrical Installation Works Certificate may be used.

   The “original” Certificate is to be given to the person ordering the work (Regulation 632.1). A duplicate should be retained by the contractor.

2 This Certificate is only valid if accompanied by the Schedule of Inspections and the Schedule(s) of Test Results.
3 The signatures appended are those of the persons authorized by the companies executing the work of design, construction, inspection and testing respectively. A signatory authorized to certify more than one category of work should sign in each of the appropriate places.
4 The time interval recommended before the first periodic inspection must be inserted (see IET Guidance Note 3 for guidance).
5 The page numbers for each of the Schedules of Test Results should be indicated, together with the total number of sheets involved.
6 The maximum prospective value of fault current (Ipf) recorded should be the greater of either the prospective value of short-circuit current or the prospective value of earth fault current.
7 The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life, and the period should be agreed between the designer, installer and other relevant parties.

ELECTRICAL INSTALLATION CERTIFICATE
GUIDANCE FOR RECIPIENTS (to be appended to the Certificate)

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 British Standard 7671 (the IET Wiring Regulations).

You should have received an “original” Certificate and the contractor 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.

The "original" 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 British Standard 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 competent person. 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 addition or alteration to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Condition Report" should be issued for such an inspection.

Fire detection and alarm system in dwellings- Installation and commissioning certificate

Wilton Electrics Ltd.
Wilton House
3-5 Cowbridge
Hertford
Herts. SG14 1PG
Tel: 01992 581511
Fax: 01992 558542
post@wiltonelectrics.co.uk
www.wiltonelectrics.co.uk

A. Details of the client

Client:	Battatt West London Ltd
Address:	Wallis House, Great West Road, Brentford. Middlesex, TW8 8BS.

Address:	Flat 3 Croxby House 34 Prince Regent Road, Hounslow, TW3 1EX

Extent of the fire detection and alarm system covered by this certificate:

Escape routes and Kitchen

This system is:

New	✓
An addition	
An alteration	

C. Description of system grade and system type

System Grade:

A	B	C	D	E	F
			✓		

System Type:

LD1	LD2	LD3	PD1	PD2
✓				

D. Instructions

I/ we the undersigned declare that the occupier of the dwelling (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system.

Serial number of associated Electrical Installation Certificate: 4559/ 3CH

E. Declaration

I/We, being the person(s) responsible (as indicated by my/our signature(s) below, for the design, installation, inspection and testing of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our/knowledge and belief with the recommendations of BS 5839:part 6 for the system described above, except for the variations, if any stated below:

Variations (if any): None

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

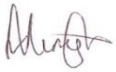
For the design, installation, inspection and testing of the system:

Signature: 

Date: 08.07.2022

Name: S.RICHARDSON

The results of the inspection and testing reviewed by the Qualified Supervisor

Signature: 

Date: 08.07.2022

Name: A. KNIGHT

NICEIC APPROVED CONTRACTOR
NICEIC ENROLMENT NO. 022782