NICEIC APPROVED CONTRACTOR

Heat Waves Construction Ltd

This certificate is not valid if the serial number has been defaced or altered 23630740 DCN18C

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

Original (to the person ordering the work)

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 616539000
Trading Title: Heat Waves Construction Ltd
Address: 115a Chapter Road, London
Postcode: NW2 5LH Tel No: 07983386654

DETAILS OF THE CLIENT

Contractor Reference Number (CRN): N/A
Name: Carla Ranicki
Address: 58 Primrose Gardens, LONDON
Postcode: NW3 4TP Tel No: N/A

DETAILS OF THE INSTALLATION

Occupier: Carla Ranicki
Address: Top Floor Flat, 58 Primrose Gardens, LONDON
Postcode: NW3 4TP Tel No: N/A

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 03/07/2021

The installation is –

New: (N/A)
An addition: (N/A)
An alteration: (N/A)
Replacement of a consumer unit: (✔)

Description and extent of the installation covered by this certificate:
Installation of New Distribution Board

Where necessary, continue on a separate numbered page: Page No(s) (N/A)

PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION

I RECOMMEND that this installation is further inspected and tested after an interval of not more than: 3 years/~~months~~* *(delete as appropriate)*

PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK

DESIGN, CONSTRUCTION, INSPECTION & TESTING

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with *BS 7671: 2018*, amended to 2020 (date) except for the following departures, if any, identified None

details on attached page(s) (N/A) (Regulations 120.3, 133.1.3 and 133.5). • Where selectivity is required, details of the verification appended (536.4): (N/A) Page No(s) (N/A)

Name (capitals): AHMED ALOSMAN Signature: [signature] Date: 04/07/2021

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): AHMED ALOSMAN Signature: [signature] Date: 04/07/2021

**The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.*

This certificate is based on the model forms shown in Appendix 6 of *BS 7671*
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Please see the 'Notes for Recipient'

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PART 5 : COMMENTS ON THE EXISTING INSTALLATION *(in the case of an addition or alteration see Regulation 644.1.2)*

None

PART 6 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

TN-C-S: (N/A) TN-S: (✔) TT: (N/A)

Other *(state)*: N/A

Supply protective device

(BS (EN) 1361)

Type: (II) Rated current: (60) A

Number and type of live conductors

AC 1-phase, 2-wire: (✔)

Other *(state)*: N/A

Confirmation of supply polarity: (✔)

Other sources of supply (*as detailed on attached schedule*) Page No:(N/A)

Nature of supply parameters

Nominal line voltage to Earth, U_0: (230) V

Nominal frequency, f: (50) Hz

Prospective fault current, I_{pf} (1)*: (8.11) kA

External loop impedance, Z_e (1)*: (0.31) Ω

(1) *By enquiry, measurement, or by calculation*

PART 7 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand (load): (26) A

Means of Earthing

Distributor's facility: (✔)

Installation earth electrode: (N/A)

Where an earth electrode is used insert

Type – rod(s), tape, etc: (None)

Location: (N/A)

Electrode resistance to Earth: (N/A) Ω

Main protective conductors

Earthing conductor:

(material Copper csa 16 mm²)

Connection / continuity verified: (N/A)

Main protective bonding conductors:

(material Copper csa 10 mm²)

Connection / continuity verified: (✔)

Main protective bonding connections

Water installation pipes: (✔)

Gas installation pipes: (✔)

Structural steel: (N/A)

Oil installation pipes: (N/A)

Lightning protection: (N/A)

Other *(state)*: N/A

Main switch / Switch-fuse / Circuit-breaker / RCD

Type: (BS (EN) 1361)

Location: (Next to Meter)

No. of poles: (2) Rating / setting of device: (60) A

Current rating: (60) A Voltage rating: (230) V

Where an RCD is used as the main switch

RCD rated residual operating current, $I_{\Delta n}$: (N/A) mA

Measured operating time: (N/A) ms Rated time delay: (N/A) ms

PART 8 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations *(indicated in item 11.1 on page 4)*	Continuation sheets
Page No(s): (3 & 4)	Page No(s): (5)	Page No(s): (None)	Page No(s): (None)	Page No(s): (None)

The pages identified are an essential part of this certificate.

**Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf}, and external earth fault loop impedance, Z_e, must be recorded.*

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Original (to the person ordering the work)

PART 9 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only)

(If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)

1.1 Service cable: (✔)
1.2 Service head: (✔)
1.3 Earthing arrangement: (✔)
1.4 Meter tails:
a) Cutout fuse to meter (✔)
b) Meter to consumer unit (✔)
1.5 Metering equipment: (✔)
1.6 Isolator (where present): (✔)

2. Presence of adequate arrangements for other sources

2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply: (N/A)
2.2 Adequate arrangements where generating set operates in parallel with the public supply: (N/A)
2.3 Presence of alternative / additional supply warning notices: (N/A)

3. Automatic disconnection of supply

3.1 Presence and adequacy of earthing and protective bonding arrangements:
a) Installation earth electrode (where applicable) (N/A)
b) Earthing conductor and connections, including accessibility (✔)
c) Main protective bonding conductors and connections, including accessibility (✔)
d) Provision of safety electrical earthing/bonding labels at all appropriate locations (✔)
e) RCD(s) provided for fault protection (✔)

4. Basic protection

4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:
a) Insulation of live parts e.g. conductors completely covered with durable insulating material (✔)
b) Barriers or enclosures e.g. correct IP rating (✔)

5. Additional protection

5.1 Presence and effectiveness of additional protection methods:
a) RCD(s) not exceeding 30 mA operating current (✔)
b) Supplementary bonding (✔)

6. Other methods of protection

6.1 Presence and effectiveness of methods which give both basic and fault protection:
a) SELV system including the source and associated circuits (N/A)
b) PELV system including the source and associated circuits (N/A)
c) Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (✔)
d) Electrical separation for one item of equipment e.g. shaver supply unit (✔)

7. Consumer unit(s) / distribution board(s)

7.1 Adequacy of access and working space for items of electrical equipment including switchgear: (✔)
7.2 Components are suitable according to assembly manufacturer's instructions or literature: (✔)
7.3 Presence of linked main switch(es): (✔)
7.4 Isolators, for every circuit or group of circuits and all items of equipment: (✔)
7.5 Suitability of enclosure(s) for IP and fire ratings: (✔)
7.6 Protection against mechanical damage where cables enter equipment: (✔)
7.7 Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure: (✔)
7.8 Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel: (✔)
7.9 Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection: (✔)
7.10 Confirmation overvoltage protection (SPDs) provided where specified: (✔)
7.11 Indication of SPDs continued functionality confirmed: (N/A)
7.12 Adequacy of AFDD(s), where specified: (N/A)
7.13 Presence of appropriate circuit charts, warning and other notices:
a) Provision of circuit charts/schedules or equivalent forms of information (✔)
b) Warning notice of method of isolation where live parts not capable of being isolated by a single device (✔)
c) Periodic inspection and testing notice (✔)
d) Presence of RCD six-monthly notice, where required (✔)
e) Warning notice of non-standard (mixed) colours of conductors present (✔)
7.14 Presence of labels to indicate the purpose of switchgear and protective devices: (✔)

8. Circuits

8.1 Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation: (✔)
8.2 Cable installation methods suitable for the location(s) and external influences: (✔)
8.3 Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services: (✔)
8.4 Cables correctly erected and supported throughout, with protection against abrasion: (✔)
8.5 Provision of fire barriers, and sealing arrangements where necessary: (✔)
8.6 Non-sheathed cables enclosed throughout in conduit, ducting or trunking: (✔)
8.7 Conductors correctly identified by colour, lettering or numbering: (✔)
8.8 Presence, adequacy and correct termination of protective conductors: (✔)
8.9 Cables and conductors correctly connected, enclosed and with no undue mechanical strain: (✔)
8.10 No basic insulation of a conductor visible outside enclosure: (✔)
8.11 Single-pole devices for switching or protection in line conductors only: (✔)
8.12 Accessories not damaged, securely fixed, correctly connected, suitable for external influences: (✔)
8.13 Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage: (✔)

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PART 9 : SCHEDULE OF ITEMS INSPECTED

8.14 Cables installed in walls / partitions, installed in prescribed zones: (✔)

8.15 Provision of additional protection by RCD not exceeding 30 mA:

a) For all socket-outlets with a rated current not exceeding 32 A (✔)

b) For supplies to mobile equipment with a current rating not exceeding 32 A for use outdoors (✔)

c) For cables concealed in walls/partitions at a depth of less than 50 mm (✔)

d) For cables concealed in walls/partitions containing metal parts regardless of depth (✔)

e) For circuits supplying luminaires within domestic (household) premises (✔)

8.16 Presence of appropriate devices for isolation and switching correctly located including:

a) Means of switching off for mechanical maintenance (✔)

b) Emergency switches (N/A)

c) Functional switches, for control of parts of the installation and current-using equipment (✔)

9. Current-using equipment (permanently connected)

9.1 Suitability of equipment in terms of IP and fire ratings: (✔)

9.2 Enclosure not damaged / deteriorated so as to impair safety: (✔)

9.3 Suitability for the environment and external influences: (✔)

9.4 Security of fixing: (✔)

9.5 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: (✔)

9.6 Recessed luminaires (downlighters):

a) Correct type of lamps fitted (✔)

b) Installed to minimise build-up of heat (✔)

9.7 Adequacy of working space / accessibility to equipment: (✔)

10. Location(s) containing a bath or shower

10.1 Additional protection by RCD not exceeding 30 mA:

a) For low voltage circuits serving the location (✔)

b) For low voltage circuits passing through Zone 1 and/or Zone 2 not serving the location (✔)

10.2 Where used as a protective measure, requirements for SELV or PELV are met: (N/A)

10.3 Shaver sockets comply with *BS EN 61558-2-5*: (✔)

10.4 Presence of supplementary protective equipotential bonding unless not required by *BS 7671: 2018*: (✔)

10.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from Zone 1: (✔)

10.6 Suitability of equipment for external influences for installed location in terms of IP rating: (✔)

10.7 Suitability of equipment for installation in a particular zone: (✔)

11. Other Part 7 special installations or locations

11.1 List below any other special installations or locations which are part of the installation to be verified, and confirm that the additional requirements given in the respective section of Part 7 are fulfilled:

N/A (N/A)

Details must be appended on a separate numbered page.

SCHEDULE OF ITEMS INSPECTED BY

Name (capitals): AHMED ALOSMAN

Signature: [signature] Date: 04/07/2021

Where the electrical work to which this certificate relates includes the installation of a fire detection / alarm system (or part of such a system), this electrical safety certificate should be accompanied by the particular certificate for the system.

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Heat Waves Construction Ltd

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Original (to the person ordering the work)

PART 10 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing N/A

CODES for Type of wiring (A) Thermoplastic insulated / sheathed cables (B) Thermoplastic cables in metallic conduit (C) Thermoplastic cables in non-metallic conduit (D) Thermoplastic cables in metallic trunking (E) Thermoplastic cables in non-metallic trunking (F) Thermoplastic / SWA cables (G) Thermosetting / SWA cables (H) Mineral-insulated cables (O) other - state: N/A

Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device				RCD	Maximum permitted Z_s for installed protective device**	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z_s	RCD operating time	Test buttons	
														Ring final circuits only (measured end to end)			All circuits (complete at least one column)									
					Live (mm²)	cpc (mm²)	(s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	(Ω)	(Line) r_1	(Neutral) r_n	(cpc) r_2	$(R_1 + R_2)$	R_2	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	(✓)	(Ω)	(ms)	RCD (✓)	AFDD (✓)
1	Hob + Oven	A	C	2	6	2.5	0.4	60898	B	32	6	30	1.37	N/A	N/A	N/A	0.45	N/A	>200	>200	250	✔	0.38	38.8	✔	N/A
2	Bedroom Ring	A	C	6	2.5	1.5	0.4	60898	B	32	6	30	1.37	0.37	0.37	0.52	0.75	N/A	>200	>200	250	✔	0.40	33	✔	N/A
3	Living Room Sockets	A	C	8	2.5	1.5	0.4	60898	B	16	6	30	2.73	N/A	N/A	N/A	0.55	N/A	>200	>200	250	✔	0.72	33	✔	N/A
4	Kitchen Sockets	A	C	6	4	2.5	0.4	60898	B	32	6	30	1.37	N/A	N/A	N/A	0.62	N/A	>200	>200	250	✔	0.48	27.3	✔	N/A
5	Fridge + Door Bell	A	C	2	2.5	1.5	0.4	60898	B	16	6	30	2.73	N/A	N/A	N/A	0.20	N/A	>200	>200	250	✔	0.39	23.5	✔	N/A
6	Lights General	A	C	11	1.5	1	0.4	60898	B	6	6	30	7.28	N/A	N/A	N/A	0.50	N/A	>200	>200	250	✔	0.74	23.5	✔	N/A

Location of consumer unit: Kitchen Designation: DB Prospective fault current at consumer unit *(where applicable)*: (8.11) kA

TESTED BY

Name (capitals): AHMED ALOSMAN Position: QS Signature: Date: 04/07/2021

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function:	Continuity:	Insulation resistance:	Earth fault loop impedance:	Earth electrode resistance:	RCD:
4374048	N/A	N/A	N/A	N/A	N/A

This certificate is based on the model forms shown in Appendix 6 of *BS 7671*

** Where figure is not taken from *BS 7671*, state source: (N/A)

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NOTES FOR RECIPIENT

THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the owner or user of the installation, you should pass this certificate, or a full copy of it including these notes, immediately to the owner or user of the installation.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, *BS 7671: 2018* (as amended) - *Requirements for Electrical Installations.*

Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the consumer unit indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor is authorised to issue this NICEIC Domestic Electrical Installation Certificate.

The Domestic Electrical Installation Certificate consists of at least five pages, and is only valid if accompanied by the *Schedule of Items Inspected* and the *Schedule of Circuit Details and Test Results*. The certificate has a printed serial number which is traceable to the contractor to which it was supplied.

For installations having more than one consumer unit or more circuits than can be recorded on Page 5, one or more additional *Schedule of Circuit Details and Test Results*, should form part of the certificate.

This certificate is intended to be issued for either the initial certification of a new electrical installation, or for new work associated with an addition or alteration to an existing electrical installation, including the replacement of a consumer unit, in a domestic or similar premises.

This certificate should not have been issued for reporting on the condition of an existing electrical installation. An Electrical Installation Condition Report should be issued for such an inspection.

You should have received the certificate marked 'Original' and the contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be kept in a safe place and shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new owner or user that the electrical installation work complied with the requirements of *BS 7671: 2018* 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.

Page 1 of this certificate provides details of the electrical installation, together with the names and signatures of the persons certifying the installation work and reviewing the results of inspection and testing.

Certification provides an assurance that the electrical installation work has been fully inspected and tested, and that the work has been carried out in accordance with the requirements of *BS 7671: 2018* (except for any departures appended to the certificate).

Where the electrical work to which this certificate relates includes the provision of a mains powered fire detection and alarm system (such as one or more smoke or heat detectors), this electrical safety certificate must be accompanied by a separate certificate for that system in accordance with British Standard *BS 5839-6*.

Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate) have reason to believe that any element of the electrical work for which the contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with the requirements of *BS 7671: 2018*, the person should in the first instance raise the specific concerns in writing with the contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application and from the website. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

** NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).*

For further information about electrical safety and how NICEIC can help you, visit **www.niceic.com**

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