Membership number: 027858

This certificate is not valid if the serial number has been defaced or altered **EIC/** BP-D4.08.3196.EC



ECA
Excellence in Electrotechnical & Engineering Services

# ELECTRICAL INSTALLATION CERTIFICATE

(Requirements for Electrical Installations - BS 7671)

## DETAILS OF THE CLIENT

St George North London Limited Berkeley House, 19 Portsmouth Road, Cobham, Surrey, KT11 1JG

## INSTALLATION ADDRESS

Flat 59 Duxford Tower,1 East Drive, London, NW9 4GN

## DESCRIPTION AND EXTENT OF THE INSTALLATION

Tick boxes and enter details, as appropriate

Description of installation: Electrical Installation

Extent of installation covered by this Certificate: Apartment 59 Duxford Tower Electrical Installation

*(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 7671:2018 amended to 2020 (date) except for departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulation 120.3, 133.1.3, 133.5): None

Details of permitted exceptions (regulation 411.3.3) where applicable a suitable risk assessment(s) must be attached to this certificate: N/A

Risk assessment attached ☐

The extent of liability of the signatory or 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 | 05/08/2025 | Name (CAPITALS) | STUART DALLAS | Designer No. 1 |
| Signature | | Date | | Name (CAPITALS) | | Designer No. 2** |

## FOR CONSTRUCTION

I, being the person responsible for the construction of the electrical installation (as indicated by my 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 of 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 departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulation 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 the CONSTRUCTION of the installation:

| | | | | | | |
|---|---|---|---|---|---|---|
| Signature | | Date | 05/08/2025 | Name (CAPITALS) | PATRICK QUILLE | Constructor |

## FOR INSPECTION & TESTING

I, being the person responsible for the inspection & testing of the electrical installation (as indicated by my 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 of 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 departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulation 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 the INSPECTION & TESTING of the installation:

| | | | | | | |
|---|---|---|---|---|---|---|
| Signature | | Date | 17/07/2025 | Name (CAPITALS) | LUKE HEALY | 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

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## PARTICULARS OF SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

| | | | | | |
|---|---|---|---|---|---|
| **Designer (No. 1)** | Name | Stuart Dallas | Company | Brenbar Electrical Services Ltd | |
| Address | Unit 18 Falcon Business Centre, Ashton Road, Romford | | Postcode | RM3 8UR | Tel: |
| **Designer (No. 2)** *(if applicable)* | Name | | Company | | |
| Address | | | Postcode | | Tel: |
| **Constructor** | Name | Patrick Quille | Company | Brenbar Electrical Services Ltd | |
| Address | Unit 18 Falcon Business Centre, Ashton Road, Romford | | Postcode | RM3 8UR | Tel: |
| **Inspector** | Name | Luke Healy | Company | Brenbar Electrical Services Ltd | |
| Address | Unit 18 Falcon Business Centre, Ashton Road, Romford | | Postcode | RM3 8UR | Tel: |

## 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 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TN-C | ☐ | AC | ☐ | DC | ☐ | Nominal voltage, U / $U_o$ (1) | 230 | V | BS (EN) | 88 | |
| TN-S | ☑ | 1-phase, 2-wire | ☑ | 2-wire | ☐ | Nominal frequency, f (1) | 50 | Hz | Type | 3 | |
| TN-C-S | ☐ | 2-phase, 3-wire | ☐ | 3-wire | ☐ | Prospective fault current, $I_{pf}$ (2) | 4.83 | kA | Rated current | 60 | A |
| TT | ☐ | 3-phase, 3-wire | ☐ | Other | ☐ | External earth fault loop impedance, $Z_e$ (2) | 0.05 | Ω | | | |
| IT | ☐ | 3-phase, 4-wire | ☐ | | | | | | | | |
| | | Confirmation of supply polarity | ☑ | | | | | | | | |

Note: (1) by enquiry. (2) by enquiry or by measurement

Other sources of supply (as detailed on attached schedule) ☐

## PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Tick boxes and enter details, as appropriate

| Means of earthing | | Maximum demand | | Details of Installation Earth Electrode (where applicable) | | | |
|---|---|---|---|---|---|---|---|
| Distributor's facility | ☑ | Maximum demand (load) | | Type *(e.g. rod(s), tape, etc.)* | N/A | | |
| Installation earth electrode | ☐ | 53 | Amps *(delete as appropriate)* | Location | | Resistance to earth | Ω |

**Main protective conductors**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Earthing conductor | Material | Copper | csa | 16 | $mm^2$ | Connection/continuity verified | ☑ |
| Main protective bonding conductors | Material | Copper | csa | 10 | $mm^2$ | Connection/continuity verified | ☑ |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| To water installation pipes | ☑ | To gas installation pipes | ☐ | To oil installation pipes | ☐ | To structural steel | ☐ |
| To lightning protection | ☐ | To other | ☐ | Specify | | | |

| Main switch / Switch fuse / Circuit breaker / RCD | | | | | If RCD main switch | | |
|---|---|---|---|---|---|---|---|
| Location | Utility Cupboard | Current rating | 100 | A | RCD Type | | |
| | | Fuse / device rating or setting | | A | Rated residual operating current ($I_{\Delta n}$) | | mA |
| | | Voltage rating | 230/415 | V | Rated time delay | | ms |
| BS (EN) | 60947-3 | No. of poles | 2 | | Measured operating time | | ms |

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## SCHEDULE OF INSPECTIONS

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

## COMMENTS ON EXISTING INSTALLATION

*(in the case of an addition or alteration see Regulation 644.1.2)*

## SCHEDULES

This Certificate is valid only when 1 Schedules of Circuit Details and Test Results are attached. *(Enter quantities of Schedules attached.)*

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**Certificate/Report Number** BP-D4.08.3196-EC

Used as primary sheet ☑ or used as continuation sheet 4 of 7

# GENERIC SCHEDULE OF CIRCUIT DETAILS

**Distribution board details**

DB reference: D4-08/3196

Location: Utility Cupboard

Supplied from: DB-D4A/3

Distribution circuit OCPD: BS (EN): 88

Type: 3 Rating/Setting: 60 A

SPD Details: Type(s)*: T1 ☐ T2 ☑ T3† ☐ N/A ☐

## CIRCUIT DETAILS

| Circuit number | Circuit description | Conductor details | | | | | Overcurrent protective device | | | | | RCD | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type of wiring | Reference method‡ | Number of points served | Number & size: Live (mm²) | Number & size: cpc (mm²) | BS (EN) | Type | Rating (A) | Breaking capacity (kA) | Maximum permitted $Z_s$ (Ω§) | BS (EN) | Type | $I_{\Delta n}$ (mA) | Rating (A) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | Surge Arrestor | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 100A Main Switch | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | Hob | A | C | 1 | 6.0 | 2.5 | 61009-1 | B | 32 | 0.4 | 1.37 | 61009-1 | B | - | 32 |
| 2 | Kitchen Appliances | A | C | 5 | 2.5 | 1.5 | 62606 | B | 32 | 0.4 | 1.37 | 61009-1 | B | - | 32 |
| 3 | Lounge, Dinning Room, Kitchen, Hallway sockets | A | C | 9 | 2.5 | 1.5 | 62606 | B | 32 | 0.4 | 1.37 | 61009-1 | B | - | 32 |
| 4 | Utility Cupboards Small Power Bedroom Sockets & Towel Rail | A | C | 10 | 2.5 | 1.5 | 62606 | B | 32 | 0.4 | 1.37 | 61009-1 | B | - | 32 |
| 5 | Oven | A | C | 1 | 2.5 | 1.5 | 61009-1 | B | 20 | 0.4 | 2.19 | 61009-1 | B | - | 20 |
| 6 | Lounge, Dinning Room, Kitchen, Hallway Lights | A | C | 13 | 1.5 | 1.0 | 61009-1 | C | 10 | 0.4 | 2.19 | 61009-1 | C | - | 10 |
| 7 | Bedroom & Bathrooms Lights, Vanity Units & Shaver Socket | A | C | 12 | 1.5 | 1.0 | 61009-1 | C | 10 | 0.4 | 2.19 | 61009-1 | C | - | 10 |
| 8 | Fire Detection | A | C | 3 | 1.5 | 1.0 | 60898-1 | B | 10 | 0.4 | 4.37 | 60898-1 | B | - | 10 |
| 9 | Spare | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | Spare | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | Spare | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**CODES FOR TYPES OF WIRING**

| A | B | C | D | E | F | G | H | O |
|---|---|---|---|---|---|---|---|---|
| Thermoplastic insulated/ sheathed cables | Thermoplastic cables in metallic trunking | Thermoplastic cables in non-metallic conduit | Thermoplastic cables in non-metallic trunking | Thermoplastic cables in metallic conduit | Thermosetting SWA cables | Thermoplastic SWA cables | Mineral insulated cables | Other - please state |

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type boxes. † Where a T3 SPD is installed to protect sensitive equipment, enter details in 'Remarks', column 31, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.) ‡ See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in column 12 is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the 'Remarks', column 31, of the Schedule of Test Results.

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**Certificate/Report Number** BP-D4.08.3196-EC

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# GENERIC SCHEDULE OF TEST RESULTS

**Distribution board details**

DB reference: D4-08/3196

$Z_{db}$ 0.08 Ω $I_{pf}$ 3.05 kA

Confirmed: Correct polarity ☑ Phase sequence ☐ SPD: Operational status confirmed¶ ☑ N/A ☐

**Details of test instruments used (serial and/or asset numbers)**

Multifunction: 101926556 Continuity: N/A

Insulation resistance: N/A Earth fault loop impedance: N/A

RCD: N/A Earth electrode resistance: N/A

## TEST RESULT DETAILS

| Circuit number | Continuity (Ω) | | | | | Insulation resistance | | | Polarity# | $Z_s$ (Ω) | RCD | | AFDD | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ring final circuit | | | ($R_1$ + $R_2$) or $R_2$ | | | | | | | | | | Include details of circuits and/or installed equipment vulnerable to damage when testing (continue on a separate sheet if necessary) |
| | $r_1$ (line) | $r_n$ (neutral) | $r_2$ (cpc) | ($R_1$ + $R_2$) | $R_2$ | Test voltage (V) | Live - Live (MΩ) | Live - Earth (MΩ) | | Maximum measured | Disconnection time (ms)** | Test button operation | Manual test button operation†† | |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | - | - | - | 0.15 | - | 500 | >999 | >999 | Y | 0.23 | 29 | Y | N/A | |
| 2 | 0.03 | 0.03 | 0.03 | 0.23 | - | 500 | >999 | >999 | Y | 0.31 | 28 | Y | N/A | |
| 3 | 0.63 | 0.63 | 1.04 | 0.42 | - | 500 | >999 | >999 | Y | 0.50 | 23 | Y | N/A | |
| 4 | 0.51 | 0.51 | 0.82 | 0.57 | - | 500 | >999 | >999 | Y | 0.65 | 23 | Y | N/A | |
| 5 | - | - | - | 0.24 | - | 500 | >999 | >999 | Y | 0.32 | 29 | Y | N/A | |
| 6 | - | - | - | 1.48 | - | 500 | >999 | >999 | Y | 1.56 | 29 | Y | N/A | |
| 7 | - | - | - | 2.04 | - | 500 | >999 | >999 | Y | 2.12 | 29 | Y | N/A | |
| 8 | - | - | - | 0.54 | - | 500 | >999 | >999 | Y | 0.62 | N/A | N/A | N/A | |
| 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Tested by name (Capitals): LUKE HEALY

Signature: Date: 17/07/2025

¶ Not all SPDs have visible functionality indication. # Where this schedule is issued with an Electrical Installation Condition Report, and incorrect polarity is identified, an 'X' should be entered. ** RCD effectiveness is verified using an alternating current test at rated residual operating current ($I_{\Delta n}$). †† Not all AFDDs have a test button.

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ELECTRICAL INSTALLATION CERTIFICATE

## Notes for the person producing the Certificate:

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, or
   - the replacement of a consumer unit/distribution board, or
   - certifying for where there are multiple additions, or alterations or remedial works to the existing installation which do not extend to new circuits as an alternative to the issue of multiple Minor Electrical Installation Works Certificates.

   It is not to be used for periodic inspection and testing, for which an Electrical Installation Condition Report 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 issued to the person ordering the work (Regulation 644.4). A duplicate should be retained by the person issuing the certificate.

2. 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 the Schedule(s) of Circuit Details and Test Results.

3. The signatures appended are those of the persons authorised by the companies executing the work of design, construction, inspection and testing respectively. A signatory authorised to certify more than one category of work should sign in each of the appropriate places. (Where a single signature electrical installation certificate is used, the person authorised for executing the work of design, construction, inspection and testing shall sign the certificate.)

4. The time interval recommended before the first periodic inspection must be inserted.

   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.

5. The page numbers for the Schedule(s) of Circuit Details and Test Results should be indicated, together with the total number of pages associated with the certification provided.

6. The maximum prospective value of fault current ($I_{pf}$) recorded should be greater of either the prospective value of short-circuit current or the prospective value of earth fault current.

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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 BS 7671.

You should have received an 'original' Certificate and the person that issued the Certificate 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 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 of for new work associated with an addition or alteration 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' should be 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 that 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 a AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. **For safety reasons it is important that 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.

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