

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 1: DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 601796 Branch No: 000
Trading Title: MASON Building Contractors
Address: 51A Redbury Ct
Barnick rd
Postcode: D11 2TA Tel No: 07930916697

(*Where applicable)

DETAILS OF THE CLIENT

Contractor Reference Number (CRN):
Name: Barnick Rd Properties
Address: 51A Redbury Ct
Postcode: D11 2TA Tel No:

DETAILS OF THE INSTALLATION

Occupier: Present
UPRN:
Address: Self Contained Studios 1-10
10 Barnick rd
Postcode: D11 2TA Tel No:

PART 2: PURPOSE OF THE REPORT

Purpose for which this report is required:

Regularly used (Safety check)

Date(s) when inspection and testing was carried out: 24.03.2023

Records available (651.1):

Previous inspection report available (651.1):

Previous report date:

PART 3: SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Generally in good condition

Description of premises Dwelling: (✓) Commercial: () Industrial: () Other (include brief description):

Estimated age of electrical installation: 20+ years Evidence of additions or alterations: () if Yes, estimated age: years

An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified (listed in PART 5 of this report) and it is recommended that these are acted upon as a matter of urgency. Overall assessment of the installation for continued use: Satisfactory/Unsatisfactory (delete as appropriate)

PART 4: DECLARATION

INSPECTION AND TESTING

I/We, being the person responsible for the inspection and testing of the electrical installation (as indicated by my/our signature below), particulars of which are described in PART 6, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (PART 5) and the attached Schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in PART 6 of this report.

Name (capitals) on behalf of the contractor identified in PART 1: MASON

Signature: Mark Mason

Date: 24.03.2023

I/We further RECOMMEND, subject to the necessary remedial action being taken, that the installation is inspected and tested by: 5 years (date)

Give reason for recommendation: Safety check

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.

REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE CONTRACTOR

Name (capitals) on behalf of the contractor identified in PART 1: MASON

Signature: Mark Mason

Date: 24.03.2023

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PART 5 : OBSERVATIONS

One of the following Codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical installation the degree of urgency for remedial action:

Code C1 Danger Present
Risk of injury. Immediate remedial action required

Code C2 Potentially Dangerous
Urgent remedial action required

Code C3
Improvement Recommended

Code FI
Further Investigation Required

Referring to the **Schedule of Items Inspected** (see PART 9), the attached **Schedule of Circuit Details and Test Results** (see PART 11A & 11B), and subject to any **agreed limitations** listed in PART 6 –

No remedial action is required (.....), OR The following observations are made:

[illegible]

Immediate remedial action required for items: (.....)

Urgent remedial action required for items: (.....)

Improvement recommended for items: (1, 2)
Further investigation required for items: ()

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PART 6 : DETAILS AND LIMITATIONS OF THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended to (date). Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

Details of the electrical installation covered by this report: Whole installation

Agreed limitations including the reasons, if any, on the inspection and testing (653.2): none (see additional page No.)

Extent of sampling: Agreed with (print name): (see additional page No.)

Operational limitations including the reasons: (see additional page No.)

PART 7 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

TN-C: (.....) TN-S: (✓.....) TN-C-S: (.....)
TT: (.....) IT: (.....)

Supply protective device

BS EN: (1361.....) Type: (16.....) Rated current: (60.....) A

Number and type of live conductors

AC 1-phase, 2-wire: (✓.....) 2-phase, 3-wire: (.....)
3-phase, 3-wire: (.....) 3-phase, 4-wire: (.....)
DC 2-wire: (.....) 3-wire: (.....) Other: (.....)

Confirmation of supply polarity: (✓.....)
Other sources of supply (Schedule of Test Results) Page No: (.....)

Nature of supply parameters

Nominal voltage between lines, U_l [1]: (230.....) V
Nominal line voltage to Earth, U_o [1]: (230.....) V
Nominal frequency, f [1]: (50.....) Hz
Prospective fault current, I_{pf} [2]*: (21.....) kA
External earth fault loop impedance, Z_e [2]*: (08.....) Ω

[1] By enquiry
[2] By enquiry or by measurement

PART 8 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Maximum demand (load): (55.....) kVA/A
(delete as appropriate)

Means of Earthing

Distributor's facility: (✓.....)
Installation earth electrode(s): (.....)
Earth electrode type – rod(s), tape, etc: (.....)
Location: (.....)
Electrode resistance to Earth: (.....) Ω

Main protective conductors

Earthing conductor:
(material copper.....)
csa (16.....) mm² Connection/continuity verified: (✓.....)
Main protective bonding conductors:
(material copper.....)
csa (16.....) mm² Connection/continuity verified: (✓.....)

Main protective bonding connections

Water installation pipes: (✓.....)
Gas installation pipes: (✓.....)
Structural steel: (.....)
Oil installation pipes: (.....)
Lightning protection: (.....)
Other (state): (.....)

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

Location: (Main hall.....)
BS EN: (60872.....) Type: (.....) Rating / setting of device: (.....) A
No. of poles: (2.....) Current rating: (100.....) A Voltage rating: (230.....) V

Where an RCD is used as the main switch

RCD rated residual operating current, $I_{\Delta n}$: (.....) mA RCD Type: (.....)
Rated time delay: (.....) ms Measured operating time: (.....) ms

*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.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists, or Code appropriately: CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 5, with additional comments (where appropriate) on attached numbered sheets)

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PART 9 : SCHEDULE OF ITEMS INSPECTED (enter ✓, N/A or Classification Code C1, C2, C3 or FI, as applicable)

| | | | | | |
|--|-----|--|-----|--|-----|
| 5.10 Adequacy of protective devices; type and rated current for fault protection (411.3) | (✓) | 6.2 Cables correctly supported throughout their run (521.10.202; 522.8.5) | (✓) | *For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203) | (✓) |
| 5.11 Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1) | (✓) | 6.3 Condition of insulation of live parts (416.1) | (✓) | *For final circuits supplying luminaires within domestic (household) premises (411.3.4) | (✓) |
| 5.12 Coordination between conductors and overload protective devices (433.1; 533.2.1) | (✓) | 6.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) | (✓) | | |
| 5.13 Cable installation methods / practices with regard to the type and nature of installation and external influences (522) | (✓) | 6.5 Suitability of containment systems for continued use (including flexible conduit) (522) | (✓) | * Older installations designed prior to BS 7671: 2018 may not have required RCDs for additional protection. | |
| 5.14 Where exposed to direct sunlight, cable of a suitable type (522.11.1) | (✓) | 6.6 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation (523) | (✓) | 6.14 Provision of fire barriers, sealing arrangements and protection against thermal effects (527) | (✓) |
| 5.15 Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204) – | | 6.7 Adequacy of protective devices; type and rated current for fault protection (411.3) | (✓) | 6.15 Band II cables segregated / separated from Band I cables (528.1) | (✓) |
| ▪ Installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202) | (✓) | 6.8 Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1) | (✓) | 6.16 Cables segregated / separated from non-electrical services (528.3) | (✓) |
| ▪ Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204) | (✓) | 6.9 Co-ordination between conductors and overload protective devices (433.1; 533.2.1) | (✓) | 6.17 Termination of cables at enclosures - identify / record numbers and locations of items inspected (526) – | |
| 5.16 Provision of fire barriers, sealing arrangements and protection against thermal effects (527) | (✓) | 6.10 Wiring system(s) appropriate for the type and nature of the installation and external influences (522) | (✓) | ▪ Connection under no undue strain (526.6) | (✓) |
| 5.17 Band II cables segregated / separated from Band I cables (528.1) | (✓) | 6.11 Where exposed to direct sunlight, cable of a suitable type (522.11.1) | (✓) | ▪ No basic insulation of a conductor visible outside enclosure (526.8) | (✓) |
| 5.18 Cables segregated / separated from non-electrical services (528.3) | (✓) | 6.12 Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204) – | | ▪ Connections of live conductors adequately enclosed (526.5) | (✓) |
| 5.19 Condition of circuit accessories (651.2) | (✓) | ▪ Installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202) | (✓) | ▪ Adequately connected at point of entry to enclosure (glands, bushes, etc.) (522.8.5) | (✓) |
| 5.20 Suitability of circuit accessories for external influences (512.2) | (✓) | ▪ Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204) | (✓) | 6.18 Condition of accessories including socket-outlets, switches and joint boxes (651.2) | (✓) |
| 5.21 Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) | (✓) | 6.13 Provision of additional protection by RCD having rated residual operating current not exceeding 30 mA – | | 6.19 Suitability of accessories for external influences (512.2) | (✓) |
| 5.22 Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected (526) | (✓) | ▪ *For all socket-outlets of rating 32 A or less (411.3.3) | (✓) | 6.20 Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) | (✓) |
| 5.23 Presence, operation and correct location of appropriate devices for isolation and switching (Chap. 46; 537) | (✓) | <i>Additional protection by RCD may not have been provided as a noted exception in certain non-domestic installations covered by indent (ii) of Regulation 411.3.3.</i> | | | |
| 5.24 General condition of wiring system (651.2) | (✓) | ▪ *For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) | (✓) | 7.0 Isolation and switching | |
| 5.25 Temperature rating of cable insulation (522.1.1; Table 52.1) | (✓) | ▪ *For cables concealed in walls at a depth of less than 50 mm (522.6.202) | (✓) | 7.1 Isolators – | |
| 6.0 Final circuits | | | | ▪ Presence and condition of appropriate devices (462; 537.2) | (✓) |
| 6.1 Identification of conductors (514.3) | (✓) | | | ▪ Acceptable location - state if local or remote from equipment in question (462; 537.2.7) | (✓) |
| | | | | ▪ Capable of being secured in the OFF position (462.3) | (✓) |
| | | | | ▪ Correct operation verified (643.10) | (✓) |
| | | | | ▪ Clearly identified by position and / or durable marking (537.2.7) | (✓) |
| | | | | ▪ Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2) | (✓) |

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PART 9 : SCHEDULE OF ITEMS INSPECTED (enter ✓, N/A or Classification Code C1, C2, C3 or FI, as applicable)

| | | | | | | | |
|-----|--|-----------|-----|---|-----------|---|--|
| 7.2 | Switching off for mechanical maintenance – | | 8.5 | Security of fixing (134.1.1) | (.✓.....) | ▪ Low voltage (e.g. 230 volt) socket-outlets sited at least 2.5 m from zone 1 (701.512.3) | (.....) |
| | ▪ Presence and condition of appropriate devices (464.1; 537.3.2) | (.✓.....) | 8.6 | Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: list number and location of luminaires inspected (separate page) (527.2) | (.✓.....) | ▪ Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2) | (.....) |
| | ▪ Capable of being secured in the OFF position where not under continuous supervision (464.2) | (.✓.....) | 8.7 | Recessed luminaires (downlighters) – | | ▪ Suitability of accessories and controlgear etc. for a particular zone (701.512.3) | (.✓.....) |
| | ▪ Correct operation verified (643.10) | (.✓.....) | | ▪ Correct type of lamps fitted (559.3.1) | (.✓.....) | ▪ Suitability of current-using equipment for particular position within the location (701.55) | (.✓.....) |
| | ▪ Clearly identified by position and / or durable marking (537.3.2.4) | (.✓.....) | | ▪ Installed to minimise build-up of heat by use of “fire rated” fittings, insulation displacement box or similar (421.1.2) | (.✓.....) | | |
| 7.3 | Emergency switching off – | | | ▪ No signs of overheating to surrounding building fabric (559.4.1) | (.✓.....) | 9.2 | Other special installations or locations – |
| | ▪ Presence and condition of appropriate devices (465; 537.3.3; 537.4) | (.✓.....) | | ▪ No signs of overheating to conductors / terminations (526.1) | (.✓.....) | | |
| | ▪ Readily accessible for operation where danger might occur (537.3.3.6) | (.✓.....) | 9.0 | Special locations and installations | | | |
| | ▪ Correct operation verified (643.10) | (.✓.....) | | <i>Where special installations or locations relating to a particular Section of Part 7, an additional Inspection Schedule(s) should be provided on separate pages.</i> | | | |
| | ▪ Clearly identified by position and / or durable marking (537.3.3.5; 537.3.3.6; 537.4.3; 537.4.4) | (.✓.....) | 9.1 | Location(s) containing a bath or shower – | | | |
| 7.4 | Functional switching – | | | ▪ Additional protection by RCD having rated residual operating current not exceeding 30 mA for all low voltage (LV) circuits serving the location or passing through zones 1 and / or 2 of the location (701.414) | (.✓.....) | 10.0 | Prosumer's low voltage installation |
| | ▪ Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2) | (.✓.....) | | ▪ Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5) | (.✓.....) | | |
| | ▪ Correct operation verified (643.10) | (.✓.....) | | ▪ Shaver supply units complying with BS EN 61558-2-5 formerly BS 3535 (701.512.3) | (.✓.....) | | |
| 8.0 | Current-using equipment (permanently connected) | | | ▪ Presence of supplementary bonding conductors, unless not required by BS 7671: 2018 (701.415.2) | (.✓.....) | | |
| 8.1 | Condition of equipment in terms of IP rating, etc. (416.2; 422.3; 422.4; 522.4) | (.✓.....) | | | | | |
| 8.2 | Equipment does not constitute a fire hazard (421) | (.✓.....) | | | | | |
| 8.3 | Enclosure not damaged / deteriorated so as to impair safety (134.1.1; 416.2) | (.✓.....) | | | | | |
| 8.4 | Suitability for the environment and external influences (512.2) | (.✓.....) | | | | | |

PART 10 : SCHEDULES AND ADDITIONAL PAGES (the pages identified are an essential part of this report (see Regulation 653.2))

| | | | | | |
|--------------------------------|--|---|---|--|----------------------------|
| 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 9.2 above) | Schedules relating to Prosumer's installations (indicated in item 10 above) | Continuation sheets |
| Page No(s): (4, 5 & 6) | Page No(s): (7 & 8) | Page No(s): () | Page No(s): () | Page No(s): () | Page No(s): () |

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PART 11A : SCHEDULE OF CIRCUIT DETAILS (GO TO Part 11B 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

[illegible]

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: DB 1

Location of DB: Main Hall

$$Z_{db}: 0.21 \dots (\Omega) \quad I_{pf} \text{ at DB}^+: 1.8 \dots (\text{kA})$$

Confirmation of supply polarity: (✓) Phase sequence confirmed: (✓)

SPD Details** Types: T1 (.....) T2 (.....) T3 (.....) N/A (.....)

Status indicator checked (where functionality indicator is present): (.....)

****SPD Type.**

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.

Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 11B), (See Section 534 for further details). Note that not all SPDs have visible functionality indication.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:

Overcurrent protective device for the distribution circuit

BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)

Associated RCD (if any)

BS (EN): (.....) RCD Type: (.....) $I_{\Delta n}$: (.....) mA No. of poles: (.....) Operating time: (.....) ms

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PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

[illegible]

Circuits/equipment vulnerable to damage when testing (where applicable): None

TESTED BY: _____ Name (capital): MAGDA Position: 25 Signature: Nad Jentia Date: 24.03.2023

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

| | | | | | |
|------------------------------|-------------|------------------------|-----------------------------|-----------------------------|------|
| Multi-function: 101300522 | Continuity: | Insulation resistance: | Earth fault loop impedance: | Earth electrode resistance: | RCD: |
|------------------------------|-------------|------------------------|-----------------------------|-----------------------------|------|

* RCD effectiveness is verified using an alternating current test at rated residual operating current ($I_{\Delta n}$)

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

| 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 | Other (state): |
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------------|
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------------|

This certificate is based on the model forms shown in Appendix 6 of BS 7671: 2018+A2:2022
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Enter a (✓), (X) or value in the respective fields, as appropriate
Where an item is not applicable insert N/A

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PART IVA: SCHEDULE OF CIRCUIT DETAILS (GO TO PART IIB 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

| Circuit number | Circuit description | Type of wiring (see notes to PART IIB) | Reference Method (BS 7671) | Number of points served | Circuit conductor (number & csa) | | Max. disconnection time (BS 7671) (s) | Overcurrent protective device | | | | | RCD | | | |
|----------------|---------------------|--|----------------------------|-------------------------|----------------------------------|------------------------|---------------------------------------|-------------------------------|------|------------|-----------------------------|--|---------|------|------------|---|
| | | | | | Live (mm ²) | cpc (mm ²) | | BS (EN) | Type | Rating (A) | Short-circuit capacity (kA) | Maximum permitted Z _s * (Ω) | BS (EN) | Type | Rating (A) | Operating current, I _{Δn} (mA) |
| 1 | SPD Protection MCB | | | | | | | | | | | | | | | |
| 2 | Cooker Studio 7 | A | D | 1 | 6 | 2.5 | 0.1 | | C | 63 | | | | | | |
| 3 | Cooker Studio 5 | A | D | 1 | 6 | 2.5 | | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 4 | Shower Studio 1 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 5 | Cooker Studio 3 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 6 | Cooker Studio 6 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 7 | Cooker Studio 10 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 8 | Cooker Studio 4 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 9 | Cooker Studio 2 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 10 | Cooker Studio 1 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 11 | Cooker Studio 8 | A | D | 1 | 6 | 2.5 | 1 | | B | 32 | 6 | 1 | 1 | A | 32 | 30 |
| 12 | Cooker Studio 9 | A | D | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: DB 2
 Location of DB: Main hall
 Z_{db}: 0.19 (Ω) I_{pr} at DB†: 14 (kA)
 Confirmation of supply polarity: (✓) Phase sequence confirmed†: (✓)
 SPD Details** Types: T1 (✓) T2 (✓) T3 (✓) N/A (✓)
 Status indicator checked (where functionality indicator is present): (✓)

**SPD Type.

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.
 Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART IIB), (See Section 534 for further details).
 Note that not all SPDs have visible functionality indication.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:
 Overcurrent protective device for the distribution circuit
 BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)
 Associated RCD (if any)
 BS (EN): (.....) RCD Type: (.....) I_{Δn}: (.....) mA No. of poles: (.....) Operating time: (.....) ms

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PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

| Circuit number | Continuity (Ω) | | | | | Insulation resistance | | | Polarity | Max. measured earth fault loop impedance, Z _s | RCD | | AFDD** | Comments and additional information, where required |
|----------------|--|--------------------------|----------------------|---|----------------|-----------------------|--------------|-----------------|----------|--|-----------------|-------------|------------------|---|
| | Ring final circuits only (measured end to end) | | | All circuits (complete at least one column) | | Live / Live | Live / Earth | Test voltage DC | | | Operating time* | Test button | AFDD test button | |
| | (Line) r ₁ | (Neutral) r _n | (cpc) r ₂ | (R ₁ + R ₂) | R ₂ | (MΩ) | (MΩ) | (V) | | | (ms) | (✓) | (✓) | |
| 1 | | | | | | | | | | | | | | |
| 2 | | | | 002 | | | 5000 | 500 | ✓ | 027 | 11.2 | ✓ | ✓ | |
| 3 | | | | 006 | | | | | ✓ | 026 | 89 | ✓ | ✓ | |
| 4 | | | | 009 | | | | | ✓ | 029 | 124 | ✓ | ✓ | |
| 5 | | | | 006 | | | | | ✓ | 026 | 142 | ✓ | ✓ | |
| 6 | | | | 008 | | | | | ✓ | 028 | 131 | ✓ | ✓ | |
| 7 | | | | 011 | | | | | ✓ | 031 | 178 | ✓ | ✓ | |
| 8 | | | | 006 | | | | | ✓ | 026 | 192 | ✓ | ✓ | |
| 9 | | | | 006 | | | | | ✓ | 027 | 181 | ✓ | ✓ | |
| 10 | | | | 011 | | | | | ✓ | 030 | 187 | ✓ | ✓ | |
| 11 | | | | 012 | | | | | ✓ | 033 | 148 | ✓ | ✓ | |
| 12 | | | | 012 | | | 5000 | 500 | ✓ | 032 | 156 | ✓ | ✓ | |

Circuits/equipment vulnerable to damage when testing (where applicable): none

TESTED BY Name (capital): M. J. O'NEILL

Position: ES

Signature: [Signature]

Date: 24.03.2023

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

Multi-function: 101300512

Continuity:

Insulation resistance:

Earth fault loop impedance:

Earth electrode resistance:

RCD:

* RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{Δn})

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

| 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 | Other (state): |
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------|
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ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 11A: SCHEDULE OF CIRCUIT DETAILS (GO TO PART 11B 'Schedule of Test Results' to enter test results for the circuits specified in this part)

| Circuit number | Circuit description | Type of wiring (see footer to PART 11B) | Reference Method (BS 7671) | Number of points served | Circuit conductor (number & csa) | | Max. disconnection time (BS 7671) | Overcurrent protective device | | | | | RCD | | | |
|----------------|-----------------------|---|----------------------------|-------------------------|----------------------------------|------------------------|-----------------------------------|-------------------------------|------|------------|-----------------------------|---|---------|------|------------|---|
| | | | | | Live (mm ²) | cpc (mm ²) | | BS (EN) | Type | Rating (A) | Short-circuit capacity (kA) | Maximum permitted Z _s [*] (Ω) | BS (EN) | Type | Rating (A) | Operating current, I _{Δn} (mA) |
| 1 | Gr. floor lounge room | A | B | 2 | 6 | 2.5 | 0.1 | | B | 32 | 6 | 108 | 61008 | N | 32 | 30 |
| 2 | Shower studio 3 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | 61008 | N | 32 | 30 |
| 3 | Shower studio 5 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 4 | Shower studio 2 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 5 | Shower studio 6 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 6 | Shower studio 4 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 7 | Shower studio 9 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 8 | Shower studio 7 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 9 | Shower studio 8 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | | N | 32 | 30 |
| 10 | Shower studio 10 | A | B | 1 | 6 | 2.5 | 0.1 | | B | 32 | 6 | | 61008 | N | 32 | 30 |
| | | | | | | | | | | | | 108 | 61008 | N | 32 | 30 |

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: DD3
 Location of DB: Main hall
 Z_{db}: 0.21 (Ω) I_{pr} at DB: 14 (kA)
 Confirmation of supply polarity: (.....) Phase sequence confirmed: (.....)
 SPD Details** Types: T1 (.....) T2 (.....) T3 (.....) N/A (.....)
 Status indicator checked (where functionality indicator is present): (.....)

**SPD Type.

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.
 Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 11B), (See Section 534 for further details).
 Note that not all SPDs have visible functionality indication.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:
 Overcurrent protective device for the distribution circuit
 BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)
 Associated RCD (if any)
 BS (EN): (.....) RCD Type: (.....) I_{Δn}: (.....) mA No. of poles: (.....) Operating time: (.....) ms

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

| Circuit number | Continuity (Ω) | | | | | Insulation resistance | | | Polarity | Max. measured earth fault loop impedance, Z _s | RCD | | AFDD** | Comments and additional information, where required |
|----------------|--|-----------------------------|-------------------------|---|----------------|-----------------------|--------------|-----------------|----------|--|-----------------|-------------|------------------|---|
| | Ring final circuits only (measured end to end) | | | All circuits (complete at least one column) | | Live / Live | Live / Earth | Test voltage DC | | | Operating time* | Test button | AFDD test button | |
| | (Line) r ₁ | (Neutral) r _n | (cpc) r ₂ | (R ₁ + R ₂) | R ₂ | | | | | | | | | |
| | (Ω) | (ms) | (✓) | (✓) | | | | | | | | | | |
| 1 | ✓ | ✓ | ✓ | 0.11 | ✓ | ✓ | ✓ | 500 | ✓ | 0.31 | 178 | ✓ | ✓ | |
| 2 | ✓ | ✓ | ✓ | 0.06 | ✓ | ✓ | ✓ | 0.09 | ✓ | 0.26 | 107 | ✓ | ✓ | |
| 3 | ✓ | ✓ | ✓ | 0.07 | ✓ | ✓ | ✓ | 1 | ✓ | 0.27 | 112 | ✓ | ✓ | |
| 4 | ✓ | ✓ | ✓ | 0.06 | ✓ | ✓ | ✓ | 1 | ✓ | 0.26 | 168 | ✓ | ✓ | |
| 5 | ✓ | ✓ | ✓ | 0.08 | ✓ | ✓ | ✓ | 1 | ✓ | 0.29 | 121 | ✓ | ✓ | |
| 6 | ✓ | ✓ | ✓ | 0.06 | ✓ | ✓ | ✓ | 1 | ✓ | 0.26 | 118 | ✓ | ✓ | |
| 7 | ✓ | ✓ | ✓ | 0.10 | ✓ | ✓ | ✓ | 1 | ✓ | 0.30 | 174 | ✓ | ✓ | |
| 8 | ✓ | ✓ | ✓ | 0.11 | ✓ | ✓ | ✓ | 1 | ✓ | 0.31 | 167 | ✓ | ✓ | |
| 9 | ✓ | ✓ | ✓ | 0.11 | ✓ | ✓ | ✓ | 1 | ✓ | 0.32 | 172 | ✓ | ✓ | |
| 10 | ✓ | ✓ | ✓ | 0.11 | ✓ | ✓ | ✓ | 0.09 | ✓ | 0.31 | 178 | ✓ | ✓ | |
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Circuits/equipment vulnerable to damage when testing (where applicable): none

TESTED BY Name (capitals): M. GOWAN

Position: 2-6

Signature: [Signature]

Date: 24.03.2023

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

Multi-function:

101309562

Continuity:

Insulation resistance:

Earth fault loop impedance:

Earth electrode resistance:

RCD:

* RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{Δn})

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

| 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 | Other (state): |
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------|
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------|



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

119552

EICR 18.2

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 – Requirements for Electrical Installations

PART IIA : SCHEDULE OF CIRCUIT DETAILS (GO TO PART IIB 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

| Circuit number | Circuit description | Type of wiring (see footer to PART IIB) | Reference Method (BS 7671) | Number of points served | Circuit conductor (number & csa) | | Max. disconnection time (BS 7671) (s) | Overcurrent protective device | | | | | RCD | | | |
|----------------|--------------------------|--|-------------------------------|-------------------------|-------------------------------------|--------------------|---|-------------------------------|------|---------------|-----------------------------------|-----------------------------|---------|------|---------------|--|
| | | | | | Live | cpc | | BS (EN) | Type | Rating (A) | Short-circuit capacity (kA) | Maximum permitted Zs* | BS (EN) | Type | Rating (A) | Operating current, I _{Δn} (mA) |
| | | | | | (mm ²) | (mm ²) | | | | | | | | | | |
| 1 | Sockets Studio 7, 9 | A | D | 7 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 2 | Sockets Studio 10 | A | B | 6 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 3 | Storage heater Studio 10 | A | B | 1 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 4 | Sockets Studio 5, 8 | A | B | 14 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 5 | Sockets Studio 4, 6 | A | B | 11 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 6 | Sockets Studio 1, 3 | A | B | 9 | 2.5 | 15 | 0.4 | | B | 32 | 6 | 108 | 61009 | A | 32 | 30 |
| 7 | Sockets Studio 2 | A | B | 5 | 2.5 | 15 | 0.4 | | B | 16 | 6 | 218 | 61009 | A | 16 | 30 |
| 8 | Boiler, circ | A | D | 2 | 2.5 | 15 | 0.4 | | B | 16 | 6 | 218 | 61009 | A | 16 | 30 |
| 9 | Sockets TV | A | D | 1 | 2.5 | 15 | 0.4 | | B | 16 | 6 | 218 | 61009 | A | 16 | 30 |
| 10 | Spare | | | | | | | | B | 16 | | | | A | 16 | 30 |

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: DB 4

Location of DB: Main hall

Z_{db}: 0.19 (1)

Confirmation of supply polarity: (✓) Phase sequence confirmed: (✓)

SPD Details** Types: T1 ()

Status indicator checked (where applicable): ☐ 11 (.....) ☐ 12 (.....) ☐ 13 (.....) ☐ N/A (.....)

State indicator checked (where functionality indicator is present): (..../....)

**SPD Type.

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.

Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 11B), (See Section 5.2.4 for further details)

Note that not all SPDs have visible functionality indication.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:

~~Overcurrent protective device for the distribution circuit~~

BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)

Associated RCD (if any) _____

BS (EN): (.....) RCD Type: (.....) $I_{\Delta n}$: (.....) mA No. of poles: (.....) Operating time: (.....) ms

This report is based on the model forms shown in Appendix 6 of BS 7671: 2018+A2:2022
 @ Copyright Certsure LLP (March 2022)

Enter a (✓) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A

*Where figure is not taken from BS 7671, state source:

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Original

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

| Circuit number | Continuity (Ω) | | | | | Insulation resistance | | | Polarity | Max. measured earth fault loop impedance, Z _s | RCD | | AFDD** | Comments and additional information, where required |
|----------------|--|--------------------------|----------------------|---|----------------|-----------------------|-------------------|---------------------|----------|--|----------------------|-------------|------------------|---|
| | Ring final circuits only (measured end to end) | | | All circuits (complete at least one column) | | Live / Live (MΩ) | Live / Earth (MΩ) | Test voltage DC (V) | | | Operating time* (ms) | Test button | AFDD test button | |
| | (Line) r ₁ | (Neutral) r _n | (cpc) r ₂ | (R ₁ + R ₂) | R ₂ | | | | | | | | AFDD test button | |
| | | | | | | | | | | | | | | |
| 1 | 0.51 | 0.51 | 0.61 | 0.29 | | | | | ✓ | 0.58 | 178 | ✓ | ✓ | |
| 2 | 0.52 | 0.52 | 0.61 | 0.28 | | | 0.33 | 500. | ✓ | 0.58 | 178 | ✓ | ✓ | |
| 3 | | | | 0.07 | | | | | ✓ | 0.56 | 176 | ✓ | ✓ | |
| 4 | 0.56 | 0.56 | 0.69 | 0.30 | | | | | ✓ | 0.29 | 16.1 | ✓ | ✓ | |
| 5 | 0.56 | 0.56 | 0.69 | 0.31 | | | | | ✓ | 0.59 | 92 | ✓ | ✓ | |
| 6 | 0.53 | 0.53 | 0.67 | 0.27 | | | | | ✓ | 0.46 | 118 | ✓ | ✓ | |
| 7 | | | | 0.28 | | | | | ✓ | 0.52 | 102 | ✓ | ✓ | |
| 8 | | | | 0.24 | | | | | ✓ | 0.59 | 177 | ✓ | ✓ | |
| 9 | | | | 0.14 | | | | | ✓ | 0.52 | 12.1 | ✓ | ✓ | |
| 10 | | | | | | | 0.33 | 500 | ✓ | 0.40 | 92 | ✓ | ✓ | |
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Circuits/equipment vulnerable to damage when testing (where applicable): none

TESTED BY Name (capital): M. L. DODD

Position: GC

Signature: Mark Dodd

Date: 22.03.2023

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

Multi-function:

101309522

Continuity:

Insulation resistance:

Earth fault loop impedance:

Earth electrode resistance:

RCD:

* RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{Δn})

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

| 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 | Other (state): |
|--------------------------|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------|
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ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 11A: SCHEDULE OF CIRCUIT DETAILS (GO TO Part 11B 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

| Circuit number | Circuit description | Type of wiring (see footer to PART 11B) | Reference Method (BS 7671) | Number of points served | Circuit conductor (number & csa) | | Max. disconnection time (BS 7671) (s) | Overcurrent protective device | | | | | RCD | | | |
|----------------|----------------------------------|--|-------------------------------|-------------------------|-------------------------------------|--------------------|---|-------------------------------|------|-------------------|---------------------------------------|---|---------|------|-------------------|--|
| | | | | | Live | cpc | | BS (EN) | Type | Rating (A) | Short-circuit capacity (kA) | Maximum permitted Z _s * (Ω) | BS (EN) | Type | Rating (A) | Operating current, I _{Δn} (mA) |
| | | | | | (mm ²) | (mm ²) | | | | | | | | | | |
| 1 | Lights studio 1 2,3, command Gr. | A | B | 24 | 15 | 1 | 0.4 | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| 2 | Lights studio 45G | A | D | 33 | 15 | 1 | 0.4 | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| 3 | Lights studio 7,8,9 | A | B | 26 | 15 | 1 | 0.4 | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| 4 | Lights studio 10 | A | D | 8 | 15 | 1 | 0.4 | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| 5 | Alarm | A | D | 1 | 15 | 1 | 0.4 | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| 6 | Spare | | | | | | | | B | 10 | 6 | 349 | 61009 | A | 10 | 30 |
| | | | | | | | | | B | 32 | | | | | | |
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DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: DB5

Location of DB: Main hall

Z_{db}: 0.02 (Ω) I_{pr} at DB†: 12 (kA)

Confirmation of supply polarity: ☒ Phase sequence confirmed†: ☒

SPD Details** Types: T1 (.....) T2 (.....) T3 (.....) N/A (.....)

Status indicator checked (where functionality indicator is present): ☒

**SPD Type.

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.

Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 11B), (See Section 534 for further details).

Note that not all SPDs have visible functionality indication.

TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:

Overcurrent protective device for the distribution circuit

BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)

Associated RCD (if any)

BS (EN): (.....) RCD Type: (.....) I_{Δn}: (.....) mA No. of poles: (.....) Operating time: (.....) ms

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018+A2:2022 – Requirements for Electrical Installations

PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

[illegible]

Circuits/equipment vulnerable to damage when testing (where applicable): none

TESTED BY Name (capitalis): M. A. S. O. N. A. Position: D. S. Signature: N. O. S. O. N. A. Date: 24.03.2020

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

| | | | | | |
|------------------------------|-------------|------------------------|-----------------------------|-----------------------------|------|
| Multi-function: 101700522 | Continuity: | Insulation resistance: | Earth fault loop impedance: | Earth electrode resistance: | RCD: |
|------------------------------|-------------|------------------------|-----------------------------|-----------------------------|------|

* RCD effectiveness is verified using an alternating current test at rated residual operating current ($I_{\Delta n}$)

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

| 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 | Other (state): |
|---|---|--|--|---|---|--------------------------------|--------------------------------|------------------------------|----------------------|
| <p>This certificate is based on the model forms shown in Appendix 1 of BS 7671.</p> | | | | | | | | | |

This certificate is based on the model forms shown in Appendix 6 of BS 7671: 2018+A2:2022
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Enter a (✓), (X) or value in the respective fields, as appropriate
Where an item is not applicable insert N/A