

ELECTRICAL INSTALLATION CERTIFICATE BS 7671:2008

THREE SIGNATURE



Certificate number: Member number: (optional)

Sheet of

DETAILS OF THE CLIENT		<input type="text" value="STUDY INN, 175 CORPORATION STREET, COVENTRY, ENGLAND, CV1 1GU"/>	
INSTALLATION ADDRESS		<input type="text" value="BROTHERTON HOUSE STUDENT ACCOMODATION, GRACE STREET, LEEDS, LS1 2RP"/>	
DESCRIPTION AND EXTENT OF THE INSTALLATION		Tick boxes as appropriate	
Description of installation: <input type="text" value="Complete Landlords and Accommodation Electrical services installation"/>		New installation <input checked="" type="checkbox"/>	
Extent of installation covered by this Certificate: <input type="text" value="All fixed wiring"/>		Addition to an existing installation <input type="checkbox"/>	
(Use continuation sheet if necessary)		Alteration to an existing installation <input type="checkbox"/>	
See continuation sheet no. <input type="text"/>			
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 of which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to 2018..... (date) except for departures, if any, detailed as follows:			
Details of departures from BS 7671 (regulation 120.3 and 133.5)			
<input type="text" value="None"/>			
Details of permitted exceptions (regulation 411.3.3) where applicable a suitable risk assessment(s) must be attached to this certificate			Risk assessment attached <input type="checkbox"/>
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 <input type="text" value="10/05/2023"/>	Name (CAPITALS) <input type="text" value="Tony Hood Futureserv"/>	Designer No. 1
Signature	Date <input type="text" value="10/05/2023"/>	Name (CAPITALS) <input type="text" value="Dave Orsler(Futureserv)"/>	Designer No. 2**
FOR CONSTRUCTION			
I 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 of which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to 2018..... (date) except for departures, if any, detailed as follows:			
Details of departures from BS 7671 (regulation 120.3 and 133.5)			
<input type="text" value="NONE"/>			
The extent of liability of the signatory or signatories is limited to the work described above as the subject of this Certificate.			
For the CONSTRUCTION of the installation:			
Signature	Date <input type="text" value="10/05/2023"/>	Name (CAPITALS) <input type="text" value="Matthew Moss"/>	Constructor
FOR INSPECTION & TESTING			
I 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 of which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to 2018..... (date) except for departures, if any, detailed as follows:			
Details of departures from BS 7671 (regulation 120.3 and 133.5)			
<input type="text" value="NONE"/>			
The extent of liability of the signatory or signatories is limited to the work described above as the subject of this Certificate.			
For the INSPECTION & TESTING of the installation:			
Signature	Date <input type="text" value="10/05/2023"/>	Name (CAPITALS) <input type="text" value="Matthew Moss"/>	Inspector
NEXT INSPECTION			
I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than <input type="text" value="5"/> years / months			

PARTICULARS OF SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

Designer (No. 1)

Name David Orsler Company FUTURESERV LTD
 Address 19 OLD HALL STREET LIVERPOOL
 Postcode L3 9JQ Tel: 0151 363 7627

Designer (No. 2)

Name Company
 Address
 Postcode Tel:

Constructor

Name Matthew Moss Company QUARTZ ELEC LTD
 Address Central Park Ohio Avenue Manchester
 Postcode M50 2TG Tel: 0161 877 6666

Inspector

Name Matthew Moss Company QUARTZ ELEC LTD
 Address Central Park Ohio Avenue Manchester
 Postcode M50 2TG Tel: 0161 877 6666

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details as appropriate

Earthing arrangements	Number and type of live conductors	Nature and type of supply parameters	Supply protective device
TN-S <input type="checkbox"/>	a.c. <input type="checkbox"/> d.c. <input type="checkbox"/>	Nominal voltage, U / U ₀ ⁽¹⁾ <u>400</u> V	BS (EN) <u>Gg88</u>
TN-C-S <input checked="" type="checkbox"/>	1-phase, 2-wire <input type="checkbox"/> 2-wire <input type="checkbox"/>	Nominal frequency, f ⁽¹⁾ <u>50</u> Hz	Type <u>2</u>
TT <input type="checkbox"/>	2-phase, 3-wire <input type="checkbox"/> 3-wire <input type="checkbox"/>	Prospective fault current, I _{pf} ⁽²⁾ <u>2.33</u> kA	Rated current <u>600</u> A
TN-C <input type="checkbox"/>	3-phase, 3-wire <input type="checkbox"/> Other <input type="checkbox"/>	External loop impedance, Z _e ⁽²⁾ <u>0.02</u> Ω	
IT <input type="checkbox"/>	3-phase, 4-wire <input checked="" type="checkbox"/>	Note: (1) by enquiry, (2) by enquiry or measurement	
	Confirmation of supply polarity <input checked="" type="checkbox"/>		

Other source 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
Distributor's facility <input checked="" type="checkbox"/>	Maximum demand (load) <u>600</u> kVA / Amps (delete as appropriate)
Installation earth electrode <input type="checkbox"/>	Details of installation earth electrode (where applicable) Type (e.g. rod(s), tape, etc.) <u>N/A</u> Location <u>N/A</u> Electrode resistance to earth <u>N/A</u> Ω

Main protective conductors

Earthing conductor material COPPER csa 95 mm² Continuity and connection verified
 Main protective bonding conductors material COPPER csa 50 mm² Continuity and connection verified

(to extraneous conductive parts) Installation Pipes; water gas oil structured steel lightning protection

To other elements: N/A

Main switch or circuit-breaker

BS, type and no. of poles Gg88 3 POLE Current rating 600 A Voltage rating 400V A
 Location L.V. SWITCH ROOM - BASEMENT Fuse rating or setting N/A A
 Rated residual operating current I_{Δn} N/A mA, and operating time of N/A ms (at I_{Δn}) (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)

NONE

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)

NOTE 1: Insert ✓ to indicate an inspection had been carried out and the result is satisfactory, or N/A to indicate that the inspection is not applicable to a particular item.

Item no	Description	Outcome <small>(See Note 2)</small>
1.0	DISTRIBUTORS / SUPPLY INTAKE EQUIPMENT (the Distributor and the person ordering the work should be notified of any unsatisfactory equipment. Evidence of this is to be appended to this Certificate and referenced in the 'Outcome' box)	
1.1	Condition of service cable	✓
1.2	Condition of service head	✓
1.3	Condition of Distributor's earthing arrangement	✓
1.4	Condition of meter tails - Distributor/Consumer	✓
1.5	Condition of metering equipment	✓
1.6	Condition of isolator (where present)	✓
2.0	PARALLEL OF SWITCHED ALTERNATIVE SOURCES OF SUPPLY	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	✓
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	✓
3.0	AUTOMATIC DISCONNECTION OF SUPPLY	
3.1	Presence and adequacy of earthing and protective bonding arrangements:	
	• Distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or installation earth electrode arrangement (542.1.2.3)	✓
	• Earthing conductor and connections including accessibility (542.3; 543.3.2)	✓
	• Main protective bonding conductors and connections including accessibility (411.3.1.2; 526;543.3.2; 544.1; 544.1.2)	✓
	• Provision of safety electrical earthing / bonding labels at all appropriate locations (514.13)	✓
	• RCD(s) provided for fault protection (411.4.9; 411.5.3)	✓
3.2	FELV – requirements satisfied (411.7; 411.7.1)	✓
4.0	BASIC PROTECTION	
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:	
	• Insulation of live parts e.g. conductors completely covered with durable insulating materials (416.1)	✓
	• Barriers or enclosures e.g. correct IP rating (416.2)	✓
	• Obstacles (417; 417.2.1; 417.2.2)	N/A
	• Placing out of reach (417; 417.3)	N/A
5.0	ADDITIONAL PROTECTION	
5.1	Presence and effectiveness of additional protection methods;	
	• RCD(s) not exceeding 30 mA operating current (415.1; Part 7), see item 8.14 of this schedule	✓
	• Supplementary bonding (415.2; Part 7)	✓
6.0	OTHER METHODS OF PROTECTION	
6.1	Presence and effectiveness of methods which give both basic and fault protection;	
	• SELV systems, including the source and associated circuits (414)	✓
	• PELV systems, including the source and associated circuits (414)	✓
	• Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (412)	N/A
	• Electrical separation for one item of equipment e.g. shaver supply unit (413)	✓
	• Non-conducting location (418.1)	N/A
	• Earth-free local equipotential bonding (418.2)	N/A
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	✓
7.2	Presence of linked main switch(s) (537.1.4; 537.1.5; 537.1.6)	✓
7.3	Manual operation of main switch, circuit-breakers and RCDs to prove functionality (612.13.2)	✓
7.4	Isolators, for every circuit or group of circuits and all items of equipment (522.8.1; 522.8.11)	✓
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201)	✓
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	✓
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.8	Avoidance of heating effects where cables entre ferromagnetic enclosures e.g. steel (521.5)	✓
7.9	Selection of correct type and rating of circuit protective devices for overcurrent and fault protection (4.11.3.2; 411.4.,5.,6 sections 432,433)	✓

Item no	Description	Outcome <small>(See Note 2)</small>
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) continued	
7.10	Confirmation overvoltage protection (SPDs) provided where specified (534.2.1)	√
7.11	Confirmation of indication that SPD is functional (534.2.8)	√
7.12	Presence of appropriate circuit charts, warning and other notices:	
	• Provision of circuit charts/schedules or equivalent forms of information (514.9)	√
	• Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	√
	• Periodic inspection and testing notice (514.12.1)	√
	• RCD quarterly test notice; where required (514.12.2)	√
	• Warning notice of non-standard (mixed) colours of conductors present (514.14)	N/A
	• Presence of alternative supply warning notice (514.15)	√
7.13	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	
8.0	CIRCUITS	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (523)	√
8.2	Cable installation methods suitable for the location(s) and external influences (522)	√
8.3	Correct temperature rating of cable insulation (522.1.1; Table 52.1)	√
8.4	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	√
8.5	Cables correctly erected and supported throughout including escape routes, with protection against abrasion (521; 522)	N/A
8.6	Provision of fire barriers, sealing arrangements where necessary (527.2)	√
8.7	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	√
8.8	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage (522.6.201, .202, .204)	√
8.9	Conductors correctly identified by colour, lettering or numbering (514)	√
8.10	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	√
8.11	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (526)	√
8.12	No basic insulation of a conductor visible outside enclosure (526.8)	√
8.13	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2)	√
8.14	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2, section 526)	
8.15	Provision of additional protection by RCD not exceeding 30mA:	
	• Socket-outlets rated at 20 A or less, unless exempt (411.3.3)	N/A
	• Mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	√
	• Cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)	√
	• Cables concealed in walls / partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	√
8.16	Presence of appropriate devices for isolation and switching correctly located including:	
	• Means of switching off for mechanical maintenance (537.3)	√
	• Emergency switches (537.4)	√
	• Functional switches, for control of parts of the installation and current-using equipment (537.5)	√
	• Firefighter's switches (537.6)	√
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	N/A
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	N/A
9.3	Installed to minimize the build of heat and restrict the spread of fire (421.1.4; 559.4.1)	N/A
9.4	Adequacy of working space/accessibility to equipment (132.12; 513.1)	N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)	
10.1	30mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	√
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
11.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).	N/A

Inspected by:

Name (CAPITALS)..... Matthew Moss

Signature 

Date 10/05/2023

Guidance for Recipients:

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 Standards 7671 - *Requirements for Electrical Installations*. This report is an important document which should be retained for future reference.

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, immediately, or a full copy of it, including the schedules, to the owner.

The original Certificate should be retained in a safe place for future reference and be shown to any person inspecting or undertaking further work on the electrical installation. 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. For commercial work, 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'. There should be a notice at, or near, the main switchboard or consumer unit indicating when the inspection of the installation is next due.

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.

Where the installation incorporates Residual Current Devices (RCDs) there should be a notice at, or near, the devices, stating that they should be tested regularly. **For safety reasons it is important that these instructions are followed.**

Where responsibility for the *design, construction* and the *inspection and testing* of the electrical work is split between the electrical contractor and one or more other parties, the parties individual and respective roles should have been clearly established at the commencement of the work. To have a valid certificate, it is important that the respective parties' roles are reflected in the completed certificate. If the design section of the certificate has not been completed, you should question why those responsible for the design have not certified that this important element of the work is in accordance with the national electrical safety standards.

This Electrical Installation Certificate may include works that directly or indirectly concern the installation of either a fire alarm and/or emergency lighting system. Where works of this nature have been installed and are deemed to be in accordance with either British Standards BS5839 or BS5266 respectively, then this Certificate must also be accompanied by the additional certificates as prescribed by these Standards.