ELECTRICAL INSTALLATION CERTIFICATE

Requirements for Electrical Installations - BS 7671: 2018+A2:2022 as amended
(IET Wiring Regulations 18th Edition)

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 BS 7671 (the IET Wiring Regulations).

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 this work, but not the owner of the installation, you should pass this Certificate, or a full copy of it, immediately to the owner. The original Certificate is to be retained in a safe place and be 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 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 document.

For safety reasons, the electrical installation will need to be re-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 in Section 3 under "NEXT INSPECTION".

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection 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 an 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.

ELECTRICAL INSTALLATION CERTIFICATE

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671 :2018+A2:2022 as amended
(IET Wiring Regulations 18th Edition)

FT/EIC 9578000004379

NICEIC APPROVED CONTRACTOR

H E Simm

Client Details

Client	John Sisk & Son Ltd	Installation	John Sisk & Son Ltd
Address	1 Curo Park Frogmore St Albans	Address	409 Solar 3 Marley Street Wembley London Middlesex
Postcode	AL2 2DD	Postcode	HA9 0EN

Details of the Installation

Description of premises: Residential or Similar ☑ Commercial ☐ Industrial ☐

Date of original installation: 2023

Installation is: New ☑ Addition ☐ Alteration ☐

Records Available: Yes ☐ No ☑

RCD Risk assessment attached ☐

Description of the installation

Electrical installation of power and lighting to single dwelling

Extent of the installation covered by this certificate

Electrical circuits via dwelling consumer unit in utility cupboard

Details of departures from BS 7671 (regulations 120.3, 133.1.3 and 133.5)

N/A

Details of permitted exception. (regulation 411.3.3) where applicable a suitable risk assessment(s) must be attached to this certificate

N/A

Declaration for Design

I being the person responsible for design of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the design hereby CERTIFY that the design for which i have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to 2022

The extent of liability of the signatory is limited to work described in Section 2 as subject of this certificate.

Company	HIVE Group	Date	25/11/2024
Designer Name	Martin Layzell	Scheme No.	Branch No.
Address	Nine Hills Road Cambridge CB2 1GE	Signature	Martin Layzell
Reviewed By	Martin Layzell	Reviewed By Signature	Martin Layzell
Reviewed By Date	25/11/2024		

Next inspection I the designer recommend that this installation is further inspected after an interval of not more than 10 years

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Declaration for Construction

I being the person responsible for construction of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the construction hereby CERTIFY that the construction for which i have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to 2022

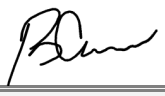
The extent of liability of the signatory is limited to work described in Section 2 as subject of this certificate.

Company	H E Simm & Son Ltd South	Position	Project Manager
Inspector Name	Stephen Goodwin	Date	25/11/2024
Address	Spinnaker House 141 Sefton Street Liverpool L8 5SN	Scheme No.	036051000
		Branch No.	000
		Signature	Stephen Goodwin
Reviewed By	Stephen Goodwin	Reviewed By Signature	Stephen Goodwin
Reviewed By Date	25/11/2024		

Declaration for Inspection and Testing

I being the person responsible for inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the inspection and test hereby CERTIFY that the inspection and test for which i have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to 2022

The extent of liability of the signatory is limited to work described in Section 2 as subject of this certificate.

Company	H E Simm & Son Ltd South	Position	NICEIC / QA - Compliance Manager
Inspector Name	Ciprian Bordeianu	Date	25/11/2024
Address	Spinnaker House 141 Sefton Street Liverpool L8 5SN	Scheme No.	036051000
		Branch No.	000
		Signature	
Reviewed By	Ciprian Bordeianu	Reviewed By Signature	
Reviewed By Date	25/11/2024		

Supply Characteristics and Earthing Arrangements

Earthing Arrangements TN-S ☑ TN-C-S ☐ TT ☐ Other ☐ If Other please specify N/A

Number & Type of live conductors AC ☑ DC ☐ No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement)

Nominal voltage, U/U_0 (1)	230 v	Nominal frequency, f(1)	50 Hz	Confirmation of polarity	☑
Prospective fault current, I_{pf} (2)	2.3 kA	External loop impedance, Z_e (2)	0.1 Ω		
Supply Protective Device BS (EN)	88-2 HRC gG	Type gG	Rated Current 100 A		
No. of Additional Supplies	N/A				

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Particulars of Installation at the Origin

Means of Earthing

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) N/A — Distributors facility ☑ Installation Earth Electrode ☐

Location N/A — Electrode resistance to earth N/A Ω — Maximum Demand (load) 80 Amps ☑ KVA ☐

Main Protective Conductors	Material	csa		(✓) or Value			(✓) or Value	
Earthing Conductor	Copper	25	mm²	Continuity Verified ☑	N/A	Ω	Connection Verified ☑	Ω
Protective Bonding Conductor	Copper	50	mm²	Continuity Verified ☑	N/A	Ω	Connection Verified ☑	N/A Ω

	Material	csa		(connection / continuity) (✓) or Value			(✓) or Value	
Main Supply Conductor	Copper	25	mm²	Water installation ☑		Ω	To structural steel NA	Ω
Main Switch Location	Utility Cupboard			Gas installation pipes NA		Ω	To lightning protection NA	Ω
				Oil installation pipes NA		Ω	Other NA	Ω

Fuse/device rating or setting Switch A Voltage rating 230 V — BS(EN) 60947-3 — No. of Poles 2 — Current Rating 100 A

If RCD main switch: Rated residual operating current I Δn N/A mA — Rated time delay N/A ms — Measured operating trip time N/A ms

Comments on existing installation (in case of addition or alteration see section 644.1.2) use continuation sheet if needed

N/A

(For additions or alterations) cables concealed within trunking and conduits, or cables or conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected.

Schedule of Inspection - Outcomes

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

1.0	Condition of consumer's intake equipment (visual inspection only)	✓	8.0	Circuits (Distribution and Final)	✓
2.0	Parallel or switched alternative sources of supply	N/A	9.0	Isolation and switching	✓
3.0	Protective measure: Automatic Disconnection of Supply (ADS)	✓	10.0	Current-using equipment (permanently connected)	N/A
4.0	Basic Protection	✓	11.0	Identification and notices	✓
5.0	Protective measure other than ADS	✓	12.0	Location(s) containing a bath or shower	N/A
6.0	Additional protection	✓	13.0	Other special installations or locations	N/A
7.0	Distribution equipment	✓	14.0	Prosumer's low voltage electrical installation(s)	N/A

SCHEDULES: **This cerificate is only valid when** (enter quantities of schedules attached) 2 **schedules of circuit details and test results are attached**

Inspector's Name: Ciprian Bordeianu — Signature

Date: 25/11/2024

ELECTRICAL INSTALLATION CERTIFICATE - Schedule of Inspections

FT/EIC 9578000004379

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installation - BS 7671:2018+A2:2022 as amended (IET Wiring Regulations 18th Edition) All items inspections to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018+A2:2022 as asmended

Outcomes

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

Item No.	Description	Outcome
1.0 CONDITION OF CONSUMER'S INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation.		
1.1	Consumer's isolator (where present)	✓
1.2	Consumer's meter tails	✓
2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY		
2.1	Presence of adequate arrangements where generator to operate as a switched alternative (551.6)	N/A
2.2	Dedicated earthing arrangement independent of that of the public supply (551.4.3.2.1)	N/A
2.3	Presence of adequate arrangements where generator to operate in parallel with the public supply system (551.7)	N/A
2.4	Correct connection of generator in parallel (551.7.2)	N/A
2.5	Compatibility of characteristics of means of generation (551.7.3)	N/A
2.6	Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values (551.7.4)	N/A
2.7	Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values (551.7.5)	N/A
2.8	Means to isolate generator from the public supply system (551.7.6)	N/A
3.0 PROTECTIVE MEASURE: AUTOMATIC DISCONNECTION OF SUPPLY (ADS)		
3.1	Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.2	Installation earth electrode (where applicable) (542.1.2.3)	N/A
3.3	Earthing conductor and connections, including accessibility (542.3; 543.3.2)	✓
3.4	Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2)	✓
3.5	Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	✓
3.6	RCD(s) provided for fault protection (411.4.204; 411.5.3)	✓
3.7	Provisions where automatic disconnection is not feasible (411.3.2.5)	✓
3.8	FELV - requirements satisfied (411.7; 411.7.1)	N/A
3.9	RLV - requirements satisfied (411.8)	N/A
4.0 BASIC PROTECTION		
4.1	Insulation of live parts (416.1)	✓
4.2	Barriers or enclosures (416.2; 416.2.1)	✓
4.3	Obstacles (Section 417; 417.2.1; 417.2.2)	✓
4.4	Placing out of reach (Section 417; 417.3)	✓
5.0 PROTECTIVE MEASURES OTHER THAN ADS		
5.1	SELV (Section 414)	✓
5.2	PELV (Section 414)	✓
5.3	Double insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
5.4	Reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
5.5	Non-conducting location (418.1)	✓
5.6	Earth-free local equipotential bonding (418.2)	✓
5.7	Electrical separation (Section 413; 418.3)	✓
6.0 ADDITIONAL PROTECTION		
6.1	RCDs not exceeding 30 mA as specified (415.1)	✓
6.2	Supplementary bonding (Section 415; 415.2)	N/A
7.0 DISTRIBUTION EQUIPMENT		
7.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
7.2	Security of fixing (134.1.1)	✓
7.3	Insulation of live parts not damaged during erection (416.1)	✓
7.4	Adequacy/security of barriers (416.2)	✓
7.5	Suitability of enclosures for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	✓
7.6	Enclosures not damaged during installation (134.1.1)	✓
7.7	Presence and effectiveness of obstacles (417.2)	✓
7.8	Components are suitable according to manufacturers' assembly instructions or literature (536.4.203)	✓
7.9	Presence of main switch(es), linked where required (462.1.201)	✓
7.10	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	✓
7.11	Operation of main switch(es) (functional check) (643.10)	✓
7.12	Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (643.10)	✓
7.13	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	✓
7.14	Confirmation overvoltage protection (SPDs) provided where specified (534.4.1.1)	✓

7.15	Selection of protective device(s) and base(s); correct type and rating (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433, 434, 537.1.1)	✓
7.16	Single-pole protective devices in line conductors only (132.14.1; 530.3.3; 643.6)	✓
7.17	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
7.18	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	✓
7.19	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
8.0 CIRCUITS (Distribution and Final)		
8.1	Identification of conductors (514.3.1)	✓
8.2	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.3	Cables correctly supported throughout, with protection against abrasion (521.10.202; 522.8.5)	✓
8.4	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.5	Examination of cables for signs of mechanical damage during installation (522.6.1; 522.8.1;522.8.3)	✓
8.6	Examination of insulation of live parts, not damaged during erection (522.6.1; 522.8.1)	✓
8.7	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1; 526.8)	✓
8.8	Suitability of containment systems (including flexible conduit) (Section 522)	✓
8.9	Correct temperature rating of cable insulation (522.1.1; Table 52.1)	✓
8.10	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓
8.11	Adequacy of overcurrent protective devices: type and fault current rating for fault protection (434.5)	✓
8.12	Adequacy of RCDs: type and current rating (531.3.3)	✓
8.13	Adequacy of AFDDs: current rating (532.6)	✓
8.14	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.15	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
8.16	Wiring systems and cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	✓
8.17	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)	✓
8.18 PROVISION OF ADDITIONAL PROTECTION BY RCDS HAVING RATED RESIDUAL OPERATING CURRENT (I?n) NOT EXCEEDING 30 mA		
8.18.1	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	✓
8.18.2	Supplies for mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	N/A
8.18.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202, 522.6.203)	✓
8.18.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
8.18.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
8.18.6	For lighting that is accessible to the public (714.411.3.4)	✓
8.19	Provision of fire barriers, sealing arrangements so as to minimize the spread of fire (Section 527)	✓
8.20	Segregation/separation of Band I (ELV) and Band II (LV) circuits (528.1)	✓
8.21	Cables segregated/separated from non-electrical services (528.3)	✓
8.22	Termination of cables at enclosures (Section 526)	✓
8.22.1	Connections under no undue strain (522.8.5, 526.6)	✓
8.22.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.22.3	Connections of live conductors adequately enclosed (526.5)	✓
8.22.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓
8.23	Suitability of circuit accessories for external influences (512.2)	✓
8.24	Circuit accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.101; 512.2; Section 526)	✓
8.25	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.26	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.27	Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment (Section 526)	✓
9.0 ISOLATION AND SWITCHING		
9.1	Isolators (462; 537.2)	✓
9.1.1	Presence and location of appropriate devices (Section 462; 537.2.7)	✓
9.1.2	Capable of being secured in the OFF position (537.2.4)	✓
9.1.3	Correct operation verified (functional check) (643.10)	✓
9.1.4	The installation, circuit or part thereof that will be isolated clearly identified by location and/or durable marking (537.2.7)	✓
9.2	Switching off for mechanical maintenance (464; 537.3.2)	N/A
9.2.1	Presence of appropriate devices (464.1; 537.3.2)	N/A
9.2.2	Acceptable location (537.3.2.4)	N/A
9.2.3	Capable of being secured in the OFF position (464.2)	N/A
9.2.4	Correct operation verified (functional check) (643.10)	N/A
9.3	Emergency switching off (Section 465; 537.3.3; 537.4)	N/A
9.3.1	Presence of appropriate devices (465.1; 537.3.3; 537.4)	N/A
9.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	N/A
9.3.3	Correct operation verified (functional check) (643.10)	N/A

9.3.4	Firefighter's switches (537.4)	N/A
9.4	Functional switching (463.1; 537.3.1)	✓
9.4.1	Presence of appropriate devices (537.3.1.1; 537.3.1.2)	✓
9.4.2	Correct operation verified (functional check) (537.3.1.1; 537.3.1.2; 643.10)	✓
9.4.3	Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓
10.0 CURRENT–USING EQUIPMENT (PERMANENTLY CONNECTED)		
10.1	Suitability of equipment in terms of IP and fire ratings (416.2; 421.1; 421.1.201; 526.5)	✓
10.2	Enclosure not damaged/deteriorated during installation so as to impair safety (134.1.1)	✓
10.3	Suitability for the environment and external influences (512.2)	✓
10.4	Security of fixing (134.1.1)	✓
10.5	Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire (527.2)	✓
10.6	Provision of undervoltage protection, where specified (Section 445)	✓
10.7	Provision of overload protection, where specified (Section 433; 552.1)	✓
10.8	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	✓
10.9	Correct selection and installation of luminaires fitted (559.3)	✓
10.10	Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4, 559.4.1)	✓
10.11	Adequacy of working space/accessibility to equipment (132.12, 513.1)	✓
11.0 IDENTIFICATION AND NOTICES		
11.1	Presence of RCD six-monthly test notice; where required (514.12.2)	✓
11.2	AFDD six-monthly test notice; where required	✓
11.3	Presence of diagrams, charts or schedules at or near each distribution board, where required (514.9.1)	✓
11.4	Presence of alternative supply warning notice at or near (514.15)	N/A
11.4.1	The origin	N/A
11.4.2	The meter position, if remote from origin	N/A
11.4.3	The distribution board to which the alternative/additional sources are connected	N/A
11.4.4	All points of isolation of ALL sources of supply	N/A
11.5	Presence of next inspection recommendation label (514.12.1)	✓
11.6	Presence of other required labelling (Section 514)	✓
11.7	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	N/A
11.8	Warning notice posted in situation where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	N/A
11.9	The circuit or part thereof to be disconnected clearly identified by location and/or durable marking (537.3.2.3; 537.3.2.4)	N/A
11.10	The installation, circuit or part thereof to be disconnected clearly identified by location and/or durable marking (537.3.3.6)	N/A
12.0 LOCATION(S) CONTAINING A BATH OR SHOWER		
12.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	✓
12.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
12.3	Shaver supply units comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
12.4	Presence of supplementary bonding conductors, unless not required by BS 7671 (701.415.2)	N/A
12.5	Low voltage (e.g. 230 V) socket-outlets sited at least 2.5 m from zone 1 (701.512.3)	N/A
12.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A
12.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A
12.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A
13.0 OTHER SPECIAL INSTALLATIONS OR LOCATIONS		
13.1	**Where the installation includes special installations or locations relating to sections of Part 7, additional inspection items should be added to the checklist**	
13.2	**List all other special installations or locations present, if any. (Record separately the results of particular inspections applied)**	
14.0 PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)		
14.1	Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist.	N/A

15.0 Schedule of Tests

Results to be recorded on Schedule of Test Results

15.1	External earth loop impedance, Z_e	Yes
15.2	Installation earth electrode	N/A
15.3	Prospective fault current, I_{pf}	Yes
15.4	Continuity of Earth Conductors	Yes
15.5	Continuity of Circuit Protective Conductors	Yes
15.6	Continuity of ring final circuit	Yes
15.7	Continuity of Protective Bonding Conductors	Yes
15.8	Volt drop verified	N/A

15.9	Insulation Resistance between Live Conductors	Yes
15.10	Insulation Resistance between Live Conductors & Earth	Yes
15.11	Polarity (prior to energisation)	Yes
15.12	Polarity (after energisation) including phase sequence	Yes
15.13	Earth Fault Loop Impedance	Yes
15.14	RCDs/RCBOs including selectivity	Yes
15.15	Functional testing of RCD devices	Yes
15.16	Functional testing of AFDD(s) devices	Yes

ELECTRICAL INSTALLATION CERTIFICATE - Schedule of Inspections

FT/EIC 9578000004379

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installation - BS 7671:2018+A2:2022 as amended (IET Wiring Regulations 18th Edition) All items inspections to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018+A2:2022 as asmended

Inspector's Name:	Ciprian Bordeianu	Signature:	
Date:	22/11/2024		

ELECTRICAL INSTALLATION CERTIFICATE - Circuit Details

FT/EIC 9578000004379

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671 :2018+A2:2022 as amended (IET Wiring Regulations 18th Edition)

Client Name	John Sisk & Son Ltd	**Installation Address**	John Sisk & Son Ltd, 409 Solar, 3 Marley Street, Wembley, London, Middlesex
Client Address	1 Curo Park, Frogmore St Albans	**Postcode**	HA9 0EN
Client Postcode	AL2 2DD		

Distribution board details - Complete in every case

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

Location: Electrical Riser
Designation: DB 1 - 409
No. of ways: 1

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for the distribution circuit: Supply to distribution board is from

No. of phases: 1 BS(EN): N/A Type: N/A Rating: N/A A
Nominal voltage: N/A V RCD BS(EN): N/A Type: N/A Rating: N/A IΔn mA

SCHEDULE OF CIRCUIT DETAILS

Circuit No. and Line	Circuit designation	Type of wiring	Ref. method :j:	No. of points served	Circuit conductors csa (mm²) L / N	Circuit conductors csa (mm²) CPC	Maximum disconnection time (BS 7671) (S)	Overcurrent protective devices BS EN Number	Overcurrent protective devices Type No.	Overcurrent protective devices Rating (A)	Breaking capacity (KA)	BS 7671 Max. permitted Zs Other Other § 100% (Ω)	RCD BS EN Number	RCD Type No.	RCD IΔn (mA)	RCD Rating (A)
1/S	Sub Mains(DB 2)	G	E	1	25	25	5	60898 MCB	C	80	10	0.27	N/A	N/A	N/A	N/A

Wiring Types: **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in Max Zs column 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 change to Schedule of Test Results

ELECTRICAL INSTALLATION CERTIFICATE - Test Results

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671 :2018+A2:2022 as amended (IET Wiring Regulations 18th Edition)

FT/EIC 9578000004379

Client Name	John Sisk & Son Ltd	**Installation Address**	John Sisk & Son Ltd, 409 Solar, 3 Marley Street, Wembley, London, Middlesex
Client Address	1 Curo Park, Frogmore St Albans	**Client Postcode** AL2 2DD	**Installation Postcode** HA9 0EN

Distribution board details - Complete in every case

Location: Electrical Riser
Designation: DB 1 - 409
No. of ways: 1 ☑ Supply polarity confirmed ☐ Phase sequence confirmed
No. of phases: 1 SPD: ☐ Operational status confirmed ☑ Not applicable

Complete only if the distribution board is not connected directly to the origin of the installation

Associated RCD (if any): BS (EN) N/A
Z_{db} Ω Operating at IΔn N/A ms
I_{pf} kA No. of poles N/A Time delay (if applicable) N/A

TEST RESULTS

Circuit No. and Line	Circuit impedance Ω: Ring final circuits only r1	rn	r2	Fig 8 check (✓)	R1R2 or R2: R1 + R2	R2	Insulation resistance (Record lower reading): Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)	Polarity	Max. Measured Zs (Ω)	RCD testing: All RCDs IΔn ms	Manual test button operation: RCD (✓)	AFDD (✓)
1/S	N/A	N/A	N/A	N/A	0.03	N/A	500	>999	>999	✓	0.13	N/A	N/A	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing: N/A

Date(s) dead testing: 23/05/2024 To 23/05/2024
Date(s) live testing: 09/09/2024 To 09/09/2024

Test instrument serial number(s) Loop impedance: 101772874 Insulation resistance: 101772874 Continuity: 101772874 RCD: N/A E/Electrode: N/A

Tested by: Name (capital letters): ROSEN KALENDERSKI Signature: Rosen Kalenderski
Position: Tester Date: 23/05/2024

ELECTRICAL INSTALLATION CERTIFICATE - Circuit Details

FT/EIC 9578000004379

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671 :2018+A2:2022 as amended (IET Wiring Regulations 18th Edition)

Client Name	John Sisk & Son Ltd	**Installation Address**	John Sisk & Son Ltd, 409 Solar, 3 Marley Street, Wembley, London, Middlesex
Client Address	1 Curo Park, Frogmore St Albans	**Postcode**	HA9 0EN
Client Postcode	AL2 2DD		

Distribution board details - Complete in every case

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

Location: Utility Cupboard
Designation: DB 2
No. of ways: 14

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for the distribution circuit: Supply to distribution board is from: Sub Mains(DB 1 - 409, 1/S)

No. of phases: 1 BS(EN): 60898 MCB Type: C Rating: 80 A

Nominal voltage: N/A V RCD BS(EN): N/A Type: N/A Rating: N/A IΔn mA

SCHEDULE OF CIRCUIT DETAILS

Circuit No. and Line	Circuit designation	Type of wiring	Ref. method :j:	No. of points served	Circuit conductors csa (mm²) L / N	Circuit conductors csa (mm²) CPC	Maximum disconnection time (BS 7671) (S)	Overcurrent protective devices BS EN Number	Overcurrent protective devices Type No.	Overcurrent protective devices Rating (A)	Breaking capacity (KA)	BS 7671 Max. permitted Zs Other Other § 100% (Ω)	RCD BS EN Number	RCD Type No.	RCD IΔn (mA)	RCD Rating (A)
*	SPD - Type 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*	Main Isolator	G2	E	1	25	25	N/A	60947-3 Isolator	N/A	100	16	N/A	N/A	N/A	N/A	N/A
5	Bathroom / Towel Rail	O2	B/C	4	1.5	1	0.4	61009 RCD/RCBO	B	10	6	4.37	61009	A	30	10
6	Lights	O2	B/C	15	1.5	1	0.4	61009 RCD/RCBO	B	10	6	4.37	61009	A	30	10
7	Oven	O2	B/C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	2.19	61009	A	30	20
8	SPARE															
9	HOB	O2	B/C	1	6	2.5	0.4	61009 RCD/RCBO	B	32	6	1.37	61009	A	30	32
10	Skt Ring Circuit	O2	B/C	11	2.5	1.5	0.4	61009 RCD/RCBO	B	32	6	1.37	61009	A	30	32
11	Utilty Skts, HNE, HIU	O2	B/C	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	6	1.37	61009	A	30	32
12	Kitchen Appliance	O2	B/C	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	6	1.37	61009	A	30	32
13	SPARE															
14	SPARE															
15	SPARE															
16	SPARE															

Wiring Types: **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

v

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
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ELECTRICAL INSTALLATION CERTIFICATE - Test Results

for Residential or Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671 :2018+A2:2022 as amended (IET Wiring Regulations 18th Edition)

FT/EIC 9578000004379

Client Name	John Sisk & Son Ltd	**Installation Address**	John Sisk & Son Ltd, 409 Solar, 3 Marley Street, Wembley, London, Middlesex
Client Address	1 Curo Park, Frogmore St Albans	**Client Postcode**	AL2 2DD
		Installation Postcode	HA9 0EN

Distribution board details - Complete in every case

Location: Utility Cupboard
Designation: DB 2
No. of ways: 14 ☑ Supply polarity confirmed ☐ Phase sequence confirmed
No. of phases: 1 SPD: ☑ Operational status confirmed ☐ Not applicable

Complete only if the distribution board is not connected directly to the origin of the installation

Associated RCD (if any): BS (EN) N/A
Z_{db} 0.13 Ω Operating at IΔn N/A ms
I_{pf} 1.75 kA No. of poles N/A Time delay (if applicable) N/A

TEST RESULTS

Circuit No. and Line	Circuit impedance Ω						Insulation resistance (Record lower reading)			Polarity	Max. Measured Zs (Ω)	RCD testing	Manual test button operation	
	Ring final circuits only			Fig 8 check	R1R2 or R2		Test voltage	L/L, L/N	L/E, N/E			All RCDs IΔn ms	RCD	AFDD
	r1	rn	r2	(✓)	R1 + R2	R2	V	M(Ω)	M(Ω)				(✓)	(✓)
*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A
*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A
5				N/A	0.76		500	>999	>999	✓	0.89	16.2	✓	N/A
6				N/A	1.05		500	>999	>999	✓	1.18	16.7	✓	N/A
7				N/A	0.31		500	>999	>999	✓	0.44	16.4	✓	N/A
8	N/A	N/A	N/A	N/A						N/A			N/A	N/A
9				N/A	0.17		500	>999	>999	✓	0.3	16.6	✓	N/A
10	0.67	0.67	1.13	✓	0.46		500	>999	>999	✓	0.31	12.6	✓	✓
11	0.03	0.03	0.06	✓	0.1		500	>999	>999	✓	0.15	12.5	✓	✓
12	0.15	0.15	0.24	✓	0.15		500	>999	>999	✓	0.28	12.6	✓	✓
13	N/A	N/A	N/A	N/A						N/A			N/A	N/A
14	N/A	N/A	N/A	N/A						N/A			N/A	N/A
15	N/A	N/A	N/A	N/A						N/A			N/A	N/A
16	N/A	N/A	N/A	N/A						N/A			N/A	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing

Sockets fitted with USB A/C chargers

Date(s) dead testing 23/05/2024 To 23/05/2024
Date(s) live testing 09/09/2024 To 09/09/2024

Test instrument serial number(s) Loop impedance 101795104 Insulation resistance 101795104 Continuity 101795104 RCD 101795104 E/Electrode N/A

Tested by: Name (capital letters) MAHMOUD RABIEI Signature *Mahmoud Rabiei*

Position Tester Date 23/05/2024

Generic Continuation