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Commercial Electrical Installation Certificate

Certificate Number : CEIC-00028

PART 1: DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR		DETAILS OF THE CLIENT		DETAILS OF THE INSTALLATION	
Registration No:	NICEIC123	Occupier:	Hardy Lettings	CRN Number:	NICEIC-ID-TEST
Trading Title:	Simplementary	Address:	6 Springfield Road	Name:	Arthur Smith
Address:	9a & 10a Saxon Square		Poole, Dorset	Address:	475 High Street
	Christchurch , Dorset, England		United Kingdom		Swanage, Dorset
Postcode:	BH23 1QA Tel No: 01929557987	Postcode:	BH20 4DY Tel No: 01929456235	Postcode:	BH19 2NS Tel No: 01929456759

DESCRIPTION AND EXTENT OF THE INSTALLATION

The installation is		Description of installation: New sockets 1st and 2nd floor
New installation:	✓	Extent of installation covered by this Certificate:
Addition to an existing installation:		100% of the installation
Alteration to an existing installation:		
Replacement of a consumer unit:		

PART 2: 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 and additionally where this certificate applies to an addition or alteration, the safety of the existing installation is not impaired, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2018, amended to 2022 (date) except for the departures, if any, detailed as follows:

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

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)

Name (capitals)	Robert Linee	**Signature**	*Robert Linee*	**Date**	26/03/2024	Designer No 1
Name (capitals)	David Singleton	**Signature**	*David Singleton*	**Date**	26/03/2024	Designer No 2**

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PART 3: FOR CONSTRUCTION

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

Details of departures from BS 7671 (Regulations 120.3 and 133.5): None

The extent of liability of the signatory is limited to the work described above as the subject of this Certificate.

For CONSTRUCTION of the installation:

Name (capitals)	James Haworth	**Signature**	James Haworth	**Date**	26/03/2024	Constructor

PART 4: FOR INSPECTION & TESTING

I being the person responsible for the inspection & testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection & testing hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to 2022 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3 and 133.5): None

The extent of liability of the signatory is limited to the work described above as the subject of this Certificate.

For INSPECTION AND TESTING of the installation:

Name (capitals)	Jon Belfield	**Signature**	Jon Belfield	**Date**	26/03/2024	Inspector

PART 5: NEXT INSPECTION

I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than 10 Years or change of tenant/owner years/months.

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PART 6: PARTICULARS OF SIGNATORIES TO THE ELECTRICAL INSTALLATION CERTIFICATE

Designer (No 1)			
Name:	Robert Linee	Company:	Jurassic Sparks
Address:	Unit 20, Designer House, Bournemouth, Dorset		
Postcode:	BH1 1AJ	Tel No:	01202 492589
Designer (No 2) (if applicable)			
Name:	David Singleton	Company:	The Power Bros
Address:	Unit 7, Sandford Lane, Wareham, Dorset		
Postcode:	BH20 4DY	Tel No:	01929 568621
Constructor			
Name:	James Haworth	Company:	Simplementary
Address:	9a & 10a Saxon Square, Christchurch, Dorset, England		
Postcode:	BH23 1QA	Tel No:	01929557987
Inspector (if applicable)			
Name:	Jon Belfield	Company:	Simplementary
Address:	9a & 10a Saxon Square, Christchurch, Dorset, England		
Postcode:	BH23 1QA	Tel No:	01929557987

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PART 7: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENT

Earthing arrangements		Number and Type of Live Conductors				Nature of Supply Parameters	Supply Protective Device
TN-C	✓	AC	✓	DC		Nominal voltage, U / U_0 (1): 240 V	BS (EN): BS EN 60898 - Type B
TN-S		1-phase, 2-wire	✓	2-wire		Nominal frequency, f (1): 50 Hz	Type: RCD
TN-C-S		2-phase, 3-wire		3-wire		Prospective fault current, I_{pf} (2): 16 kA	Rated current: 32 A
TT		3-phase, 3-wire		Other		External loop impedance, Z_e (2): 0.35 Ω	
IT		3-phase, 4-wire				(Note: (1) by enquiry	
		Confirmation of supply polarity	✓			(2) by enquiry or by measurement)	

Other sources of supply (as detailed on attached schedule): N/A

Part 8: PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing		Maximum Demand
Distributor's facility	✓	Maximum demand (load) 100 ~~kVA~~ / Amps
Installation earth electrode		**Details of Installation Earth Electrode** (where applicable) Type (e.g. rod(s), tape etc): N/A Location: N/A Electrode resistance to Earth: N/A Ω

PART 9: MAIN PROTECTIVE CONDUCTORS

Earthing conductor		Material Copper csa 2.5 mm_2				Connection / continuity verified	✓
Main protective bonding conductors (to extraneous-conductive-parts)		Material Copper csa 2.5 mm_2				Connection / continuity verified	✓
To water installation pipes	✓	To gas installation pipes	✓	To oil installation pipes	✓	To structural steel	✓
To lightning protection	✓	To other		Specify: N/A			

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PART 10: MAIN SWITCH / SWITCH-FUSE / CIRCUIT-BREAKER / RCD					
Location:	Hallway	Current rating:	32A	**If RCD main switch**	
BS(EN):	BS EN 60898 - Type B	Fuse / device rating or setting:	32A	Rated residual operating current ($I_{?n}$):	N/A mA
No of poles:	2	Voltage rating:	240V	Rated time delay:	N/A ms
				Measured operating time:	N/A ms

Part 11: COMMENTS ON EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2):

None

PART 12: SCHEDULES

The attached Schedules are part of this c...ment 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).

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PART 13: SCHEDULE OF INSPECTIONS (for new installation work only) for DOMESTIC AND SIMILAR PREMISES WITH UP TO 100 A SUPPLY

Item No	DESCRIPTION	Outcome See Note 2
	Schedule 1	
1.0	**EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)**	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓
2.0	**PARALLEL OR 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)	✓
	• Installation earth electrode (where applicable) (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; 543.3.2; 544.1)	✓
	• Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	✓
	• RCD(s) provided for fault protection (411.4.204; 411.5.3)	✓

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Item No	DESCRIPTION	Outcome See Note 2
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 material (416.1)	✓
	• Barriers or enclosures e.g. correct IP rating (416.2)	✓
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 system, including the source and associated circuits (Section 414)	✓
	• PELV system, including the source and associated circuits (Section 414)	✓
	• Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
	• Electrical separation for one item of equipment e.g. shaver supply unit (Section 413)	✓
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	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	✓
7.3	Presence of linked main switch(es) (462.1.201)	✓
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	✓
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	✓
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓

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Item No	DESCRIPTION	Outcome See Note 2
	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S): continued	
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5)	✓
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, 411.5, 411.6; Sections 432, 433; 537.3.1.1)	✓
7.10	**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 six-monthly test notice; where required (514.12.2)	✓
	• AFDD six-monthly test notice; where required	✓
	• Warning notice of non-standard (mixed) colours of conductors present (514.14)	✓
7.11	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 (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	✓
8.4	Cables correctly erected and supported throughout, with protection against abrasion (Sections 521, 522)	✓
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	✓
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	✓
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.201, 522.6.202, 522.6.203; 522.6.204)	
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	✓

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Item No	DESCRIPTION	Outcome See Note 2
	CIRCUITS continued	
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓
8.14	**Provision of additional protection/requirements by RCD not exceeding 30mA:**	
	• Socket-outlets rated at 32 A or less, unless exempt (411.3.3)	✓
	• Supplies for 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; 522.6.203)	✓
	• Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
	• Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
8.15	**Presence of appropriate devices for isolation and switching correctly located including:**	
	• Means of switching off for mechanical maintenance (Section 464; 537.3.2)	✓
	• Emergency switching (465.1; 537.3.3)	✓
	• Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓
	• Firefighter's switches (537.4)	✓
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)	✓
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	✓
9.3	Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4;559.4.1)	✓
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	✓
10.0	**LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)**	
10.1	30 mA 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)	✓

Inspected by:

Name (capitals) James Haworth **Signature** James Haworth **Date** 26/03/2024

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PART 14: GENERIC SCHEDULE OF TEST RESULTS - SCHEDULE 1

DB reference no:	1	**DB reference no:**	1
Location:	Hallway	**Location:**	Hallway
Z_s at DB (Ω):	0.30	**Z_s at DB (Ω):**	0.31
I_{pf} at DB (kA):	30	**I_{pf} at DB (kA):**	30
Correct supply polarity confirmed:	Pass	**Correct supply polarity confirmed:**	Pass
Phase sequence confirmed (where appropriate)	Pass	**Phase sequence confirmed (where appropriate)**	Pass
Details of circuits and/or installed equipment vulnerable to damage when testing		**Details of circuits and/or installed equipment vulnerable to damage when testing**	
N/A		N/A	
Details of test instruments used (state serial and/or asset numbers)		**Details of test instruments used (state serial and/or asset numbers)**	
Continuity:	Pass	**Continuity:**	Pass
Insulation resistance:	Pass	**Insulation resistance:**	Pass
Earth fault loop impedance:	Pass	**Earth fault loop impedance:**	Pass
RCD:	Pass	**RCD:**	Pass
Earth electrode resistance:	N/A	**Earth electrode resistance:**	N/A

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Circuit number	Circuit description	Protective device						Conductor details			Ring final circuit continuity(Ω)			Continuity (Ω) ($R_1 + R_2$) or R_2		Insulation Resistance Test Voltage	Insulation Resistance (M?)		Polarity	Z(s) (?)	RCD		AFDD	Remarks (continue on a separate sheet if necessary)
		BS (EN)	Type	Rating (A)	breaking capacity (kA)	RCD $I_{\Delta n}$ (mA)	Maximum permitted Z_s (?*)	Reference Method	Live (mm^2)	cpc (mm^2)	r_1 (line)	r_n (neutral)	r_2 (cpc)	($R_1 + R_2$)	R_2	V	Live - Live	Live - Earth		Maximum measured	Disconnection time (ms)	RCD test button operation	Manual AFDD test button operation	
1	1st and ground floor sockets	BS EN 60898	Type 1	32	6	30	0.62	Enclosed in conduit in thermally insulated wall	2.5mm	1.5mm	0.41	0.27	0.43	N/A	N/A	Pass	N/A	200	Pass	0.53	0.4	Pass	N/A	N/A
2	2nd Floor sockets	BS EN 60898	Type 1	32	6	30	0.61	Enclosed in conduit thermally insulated wall	2.5mm	1.5mm	0.50	0.30	0.41	N/A	N/A	Pass	N/A	200	Pass	0.52	0.4	Pass	N/A	N/A

Inspected by:

Name (capitals) James Haworth **Signature** James Haworth **Date** 26/03/2024

* Where the maximum permitted earth fault loop impedance value stated in column 8 is taken from a source other than the tabulated values given in Chapter 41 of this Standard, state the source of the data in the appropriate cell for the circuit in the 'Remarks' column (column 25) of the schedule.

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