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29124171

EIC18.2c

ELECTRICAL INSTALLATION CERTIFICATE

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 (*Where applicable)		DETAILS OF THE CLIENT	DETAILS OF THE INSTALLATION
Registration No: 618833000	Branch No*: 000	Contractor Reference Number (CRN): N/A	Occupier: N/A
Trading Title: JMEC Renovations Ltd		Name: Jersey Homes Trust	Unique Property Reference Number (UPRN): N/A
Address: 7-11 Britannia Place, Bath Street, Jersey		Address: Brunel Chambers, Devonshire Place, St. Helier, Jersey, Channel Isles	Address: 12, Berkshire Court, La Motte Street, St Helier, Jersey
Postcode: JE2 4YS	Tel No: 01534722888	Postcode: JE2 3RD	Tel No: 01534 750200
		Postcode: JE2 3BG	Tel No: N/A

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 20/03/2024

The installation is New: (N/A) An addition: (N/A) An alteration: (✓) Replacement of a distribution board: (N/A)

Description and extent of the installation covered by this certificate: Whole installation. Electrical work in conjunction with new kitchen and bathroom, cooker hood, LED light, pendants, sockets, fused spurs, light switches, TV points, 3 storage heaters with 24 Hrs supply run to Consumer Unit - RCBO breakers added, panel heater changed.

Where necessary, continue on a separate numbered page: Page No(s) (N/A)

PART 3 : COMMENTS ON THE EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2)

Good condition. No signs of deterioration, no DIY.

Where necessary, continue on a separate numbered page: Page No(s) (N/A)

PART 4A : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (use where the design, construction, inspection & testing have been the responsibility of one person)

DESIGN, CONSTRUCTION, INSPECTION & TESTING (the extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2018+A2:2022 except for the departures, if any (Regulations 120.3, 133.1.3 and 133.5), detailed as follows:

None

where required, continued on attached separate page(s) (N/A)

Permitted exception applied (411.3.3): Yes/NA (N/A) Risk assessment attached: (N/A) Page No(s) (N/A)

I, being the designer of the electrical installation, also RECOMMEND that this installation is further inspected and tested by: 12/02/2029 (date)

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

Name (capitals): SLAWOMIR KARCZ Organisation: JMEC Renovations Ltd Registration No*: 618833000

Address: 7-11 Britannia Place Bath Street Jersey

Signature: Date: 20/03/2024 Postcode: JE2 4YS Tel No: 01534722888

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): JOHN MCGRANAHAN Signature: Date: 21/03/2024

ELECTRICAL INSTALLATION CERTIFICATE

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


PART 4B : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (to be completed where different parties are responsible for the design, construction, inspection & testing)

DESIGN (The extent of liability of the signatories is limited to the work detailed in PART 2)

I/We being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3, 133.1.3 and 133.5).

- Permitted exception applied (411.3.3): ~~XX~~/NA Risk assessment attached: N/A Page No(s) (N/A...)

DESIGNER 1 Name (capitals): JOHN MCGRANAHAN

Signature: 
N/A

Date: 21/03/2024

DESIGNER 2 (where there is divided responsibility for design) Name (capitals): N/A

Signature: N/A

Date: N/A

I/we, being the designer(s) of the electrical installation, also RECOMMEND that this installation is further inspected and tested by: (date) (*Where applicable)

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.

Organisation (Designer 1): JMEC Renovations Ltd Registration No*: 618833000

Organisation (Designer 2): JMEC Renovations Ltd Registration No*: 618833000

Address: 7-11 Britannia Place Bath Street Jersey

Address: 7-11 Britannia Place Bath Street Jersey

Postcode: JE2 4YS Tel No: 01534722888

Postcode: JE2 4YS Tel No: 01534722888

CONSTRUCTION (The extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the construction of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (N/A...) (Regulations 120.3 and 133.5).

Name (capitals): JOHN MCGRANAHAN Organisation: JMEC Renovations Ltd Registration No*: 618833000

7-11 Britannia Place Bath Street Jersey

Address:

Signature:  Date: 21/03/2024

Postcode: JE2 4YS Tel No: 01534722888

INSPECTION & TESTING (The extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (N/A...) (Regulations 120.3 and 133.5).

Name (capitals): SLAWOMIR KARCZ Organisation: JMEC Renovations Ltd Registration No*: 618833000

Address: 7-11 Britannia Place Bath Street Jersey

Signature:  Date: 20/03/2024

Postcode: JE2 4YS Tel No: 01534722888

REVIEWED BY QUALIFIED SUPERVISOR (for the Contractor detailed in PART 1)

Name (capitals): JOHN MCGRANAHAN

Signature: 

Date: 21/03/2024

Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).

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PART 5 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements TN-C: (N/A) TN-S: (N/A) TN-C-S: (✓) TT: (N/A) IT: (N/A)		Number and type of live conductors AC 1-phase, 2-wire: (✓) 2-phase, 3-wire: (N/A) 3-phase, 3-wire: (N/A) 3-phase, 4-wire: (N/A) DC 2-wire: (N/A) 3-wire: (N/A) Other: (N/A)		Nature of supply parameters Nominal voltage between lines, $U^{[1]}$: (N/A) V ^[1] By enquiry Nominal line voltage to Earth, $U_o^{[1]}$: (230) V ^[2] By enquiry or by measurement Nominal frequency, $f^{[1]}$: (50) Hz Prospective fault current, $I_{pf}^{[2]*}$: (0.65) kA Earth fault loop impedance, $Z_e^{[2]*}$: (0.35) Ω	
Supply protective device BS EN: (1361) Type: (II) Rated current: (N/A) A		Confirmation of supply polarity: (✓) Other sources of supply (Schedule of Test Results)		Page No: (N/A)	

PART 6 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand (load): (54) XXX/A (delete as appropriate)	Main protective conductors Earthing conductor: (material) Copper csa (10) mm ² Connection/continuity verified: (✓)	Main protective bonding connections Water installation pipes: (✓) Gas installation pipes: (N/A) Structural steel: (N/A) Oil installation pipes: (N/A) Lightning protection: (N/A) Other (state): (N/A) (N/A) (N/A)	Main switch / Switch-fuse / Circuit-breaker / RCD Location: (Communal area meter cupboard) BS EN: (60947-3) Type: (3) Rating / setting of device: (100) A No. of poles: (4) Current rating: (100) A Voltage rating: (230) V
Means of Earthing Distributor's facility: (✓) Installation earth electrode(s): (N/A) Earth electrode type – rod(s), tape, etc: (None) Location: (N/A) Electrode resistance to Earth: (N/A) Ω	Main protective bonding conductors: (material) Copper csa (10) mm ² Connection/continuity verified: (✓)	Where an RCD is used as the main switch RCD rated residual operating current, $I_{\Delta n}$: (N/A) mA RCD Type: (N/A) Rated time delay: (N/A) ms Measured operating time: (N/A) ms	

PART 7 : SCHEDULE OF ITEMS INSPECTED (enter ✓ or N/A, as applicable)

	Outcome		Outcome		Outcome
1. Condition of consumer's intake equipment (visual inspection only)	(✓)	6. Additional protection	(✓)	12. Location(s) containing a bath or shower	(✓)
2. Parallel or switched alternative sources of supply	(N/A)	7. Distribution equipment	(✓)	13. Other special installations or locations	(N/A)
3. Protective measure: Automatic disconnection of supply (ADS)	(✓)	8. Circuits (distribution and final)	(✓)	14. Prosumer's low voltage installation(s)	(N/A)
4. Basic protection	(✓)	9. Isolation and switching	(✓)	Schedule of Items Inspected by	
5. Protective measures other than ADS	(N/A)	10. Current-using equipment (permanently connected)	(✓)	Name (capitals): SLAWOMIR KARCZ	
		11. Identification and notices	(✓)	Signature: Date: 20/03/2024	

PART 8 : SCHEDULES AND ADDITIONAL PAGES (the pages identified are an essential part of this report (see Regulation 653.2))

Schedule of Circuit Details and Schedule of Test Results for the installation (PARTS 9A & 9B) Page No(s): (4&5)	Additional pages, including data sheets for additional sources Page No(s): (None)	Special installations or locations (indicated in item 13 of PART 7) Page No(s): (None)	Schedules relating to Prosumer's installations (indicated in item 14 of PART 7) Page No(s): (None)	Continuation sheets Page No(s): (10-11)
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*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.

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CONTINUATION SHEET : EIC and EICR

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PART A : SCHEDULE OF CIRCUIT DETAILS (GO TO Part B '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 B)	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 Zs* (Ω)	BS (EN)	Type	Rating (A)	Operating current, I _{Δn} (mA)	
1	Cooker	A	100	2	6	2.5	0.4	61009	B	32	6	1.37	61009	AC	32	30	
2	Sockets Kitchen, Washing Machine, Fridge, Cooker Hood, Bath Heater Ring Final	A	100	9	2.5	1.5	0.4	61009	B	32	6	1.37	61009	AC	32	30	
3	Sockets Bedroom, Hall Ring Final	A	100	8	2.5	1.5	0.4	61009	B	32	6	1.37	61009	AC	32	30	
4	Immersion Heater	A	100	2	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30	
5	Bedroom Panel Heater	A	100	2	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30	
6	Towel Rail	A	100	1	1	1	0.4	61009	B	6	6	7.28	61009	AC	6	30	
7	Lights, Door Bell	A	100	1	1	1	0.4	61009	B	6	6	7.28	61009	AC	6	30	
8	Smoke Detector	A	100	1	1	1	0.4	61009	B	6	6	7.28	61009	AC	6	30	
9	Lounge Storage Heater	A	100	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30	
10	Hall Storage Heater	A	100	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30	
11	Hall Storage Heater Entrance	A	100	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30	

<p>DISTRIBUTION BOARD (DB) DETAILS (complete in every case)</p> <p>DB designation: 24 Hrs Tariff Supply Consumer Unit</p> <p>Location of DB: Hallway broom cupboard</p> <p>Z_{db}: 0.2 (Ω) I_{pf} at DB†: 1.16 (kA)</p> <p>Confirmation of supply polarity: (✓) Phase sequence confirmed†: (NA)</p> <p>SPD Details** Types: T1 (N/A) T2 (✓) T3 (N/A) N/A (N/A)</p> <p>Status indicator checked (where functionality indicator is present): (✓)</p>	<p>**SPD Type.</p> <p>Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.</p> <p>Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART B), (See Section 534 for further details).</p> <p>Note that not all SPDs have visible functionality indication.</p>	<p>TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p> <p>Supply to DB is from: 24 Hrs and Off Prak Tariff Supply Isolator - 5</p> <p>Overcurrent protective device for the distribution circuit</p> <p>BS (EN): (60898) Type: (B) Nominal voltage: (230) V Rating: (63) A No. of phases: (1)</p> <p>Associated RCD (if any)</p> <p>BS (EN): (N/A) RCD Type: (N/A) I_{Δn}: (N/A) mA No. of poles: (N/A) Operating time: (N/A) ms</p>
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CONTINUATION SHEET : EIC and EICR

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

Circuit number	Continuity (Ω)					Insulation resistance			Polarity (✓)	Max. measured earth fault loop impedance, Z _s (Ω)	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	N/A	N/A	N/A	0.57	N/A	>999	>999	500	✓	0.48	17.7	✓	N/A	
2	0.26	0.26	0.42	0.39	N/A	>999	>999	500	✓	0.63	18.7	✓	N/A	
3	0.36	0.36	0.68	0.36	N/A	>999	>999	500	✓	0.67	18	✓	N/A	
4	N/A	N/A	N/A	0.26	N/A	>999	>999	500	✓	0.54	17.7	✓	N/A	
5	N/A	N/A	N/A	0.47	N/A	>999	>999	500	✓	0.57	16.7	✓	N/A	
6	N/A	N/A	N/A	0.38	N/A	>999	>999	500	✓	0.46	17.3	✓	N/A	
7	N/A	N/A	N/A	1.47	N/A	>999	>999	500	✓	1.71	17.5	✓	N/A	
8	N/A	N/A	N/A	0.07	N/A	>999	>999	250	✓	0.34	17.1	✓	N/A	
9	N/A	N/A	N/A	0.27	N/A	>999	>999	500	✓	0.51	17	✓	N/A	
10	N/A	N/A	N/A	0.20	N/A	>999	>999	500	✓	0.49	17.5	✓	N/A	
11	N/A	N/A	N/A	0.26	N/A	>999	>999	500	✓	0.59	16.9	✓	N/A	

Circuits/equipment vulnerable to damage when testing (where applicable): Smoke Detector

TESTED BY Name (capitals): SLAWOMIR KARCZ Position: Electrician Signature:  Date: 20/03/2024

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)					
Multi-function: <u>102212549</u>	Continuity: <u>N/A</u>	Insulation resistance: <u>N/A</u>	Earth fault loop impedance: <u>N/A</u>	Earth electrode resistance: <u>N/A</u>	RCD: <u>N/A</u>

* 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): <u>N/A</u>
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Original (to the person ordering the work)

CONTINUATION SHEET : EIC and EICR

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

PART A : SCHEDULE OF CIRCUIT DETAILS (GO TO Part B '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 B)	Reference Method (BS 7671)	Number of points served	Circuit conductor (number & csa)			Overcurrent protective device					RCD			
					Live (mm ²)	cpc (mm ²)	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Maximum permitted Zs* (Ω)	BS (EN)	Type	Rating (A)	Operating current, I _{Δn} (mA)
1	Lounge Storage Heater	E	B	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30
2	Immersion Heater	A	100	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30
3	Hall Storage Heater	E	B	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30
4	Hall Storage Heater Entrance	E	B	1	2.5	1.5	0.4	61009	B	16	6	2.73	61009	AC	16	30

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)
 DB designation: Off Peak Tariff Supply Consumer Unit
 Location of DB: Hallway broom cupboard
 Z_{db}: 0.32 (Ω) I_{pf} at DB: 0.72 (kA)
 Confirmation of supply polarity: () Phase sequence confirmed: (NA)
 SPD Details** Types: T1 (N/A) T2 (N/A) T3 (N/A) 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 B), (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: 24 Hrs and Off Peak Tariff Supply Isolator - 5
Overcurrent protective device for the distribution circuit
 BS (EN): (60898) Type: (B) Nominal voltage: (230) V Rating: (63) A No. of phases: (1)
Associated RCD (if any)
 BS (EN): (N/A) RCD Type: (N/A) I_{Δn}: (N/A) mA No. of poles: (N/A) Operating time: (N/A) ms

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CONTINUATION SHEET : EIC and EICR

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

Circuit number	Continuity (Ω)					Insulation resistance			Polarity (✓)	Max. measured earth fault loop impedance, Zs (Ω)	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									
1	N/A	N/A	N/A	0.23	N/A	>999	>999	500	✓	0.51	17	✓	N/A	
2	N/A	N/A	N/A	0.21	N/A	>999	>999	500	✓	0.40	19	✓	N/A	
3	N/A	N/A	N/A	0.17	N/A	>999	>999	500	✓	0.61	17	✓	N/A	
4	N/A	N/A	N/A	0.26	N/A	>999	>999	500	✓	0.66	12.5	✓	N/A	

Circuits/equipment vulnerable to damage when testing (where applicable): N/A

TESTED BY Name (capitals): SLAWOMIR KARCZ Position: Electrician Signature:  Date: 20/03/2024

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)					
Multi-function: 102212549	Continuity: N/A	Insulation resistance: N/A	Earth fault loop impedance: N/A	Earth electrode resistance: N/A	RCD: N/A

* 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): N/A
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GENERAL CONTINUATION SHEET

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

NOTES

Consumer Units



GENERAL CONTINUATION SHEET

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

NOTES

Meter cupboard isolator

