ELECTRICAL INSTALLATION CERTIFICATE

Requirements For Electrical Installations - BS 7671

Certificate Number:	2023-0573

1 DETAILS OF THE CLIENT

Client Address: WESSEX RFCA, MOUNT HOUSE, MOUNT STREET, TAUNTON, TA1 3QE

2 DETAILS OF THE INSTALLATION

Installation Address: ST AUSTELL PLATOON, SOUTH STREET, ST AUSTELL, -, PL25 5BH

Extent of the installation covered by this certificate: COVERS THE REMEDIAL WORKS CARRIED OUT AFTER THE INSTALLATION CONDITION REPORT. REF 2023-0564

The installation is:

New installation	Addition to an existing installation	Alteration to an existing installation
N/A	N/A	✔

3 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 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 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): N/A

Details of permitted exceptions (Regulations 411.3.3): Risk assessment attached N/A

N/A

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

For the DESIGN of the installation:

Name:	-	Position:	-	Signature:		Date:	28/07/2023

Where there is divided responsibility for the design:

Name:	-	Position:	-	Signature:		Date:	28/07/2023

4 CONSTRUCTION

I/We 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 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 except for the departures, if any, detailed as follows.

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

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

For the CONSTRUCTION of the installation:

Name:	-	Position:	-	Signature:		Date:	28/07/2023

5 INSPECTION AND TESTING

I/We being the person(s) responsible for the inspection and 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 and testing, hereby CERTIFY that the inspection and testing 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 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): N/A

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

For the INSPECTION AND TESTING of the installation:

Name:	-	Position:	-	Signature:		Date:	28/07/2023

Report reviewed and confirmed by:

Name:	-	Position:	-	Signature:		Date:	28/07/2023

6 DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I/We being the person(s) responsible for the design, construction, inspection and 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 design, construction, inspection and testing, 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 except for the departures, if any, detailed as follows.

Details of departures from BS 7671 (Regulations 120.3, 133.5): N/A

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

For the DESIGN, the CONSTRUCTION, and the INSPECTION AND TESTING of the installation:

Name:	MR S. GILBERT	Position:	ELECTRICIAN	Signature:		Date:	20/07/2023

Report reviewed and confirmed by:

Name:	MR P. EDDY	Position:	QUALIFIED SUPERVISOR	Signature:		Date:	28/07/2023

7 NEXT INSPECTION

I/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than: 5 Years

8 DETAILS OF THE ELECTRICAL CONTRACTOR

Design (1)

Trading Title: DAVEY & GILBERT LTD

Address: UNIT 1 PENSANS
ROSPEATH INDUSTRIAL ESTATE
CROWLAS, PENZANCE
Postcode: TR20 8DU

Registration Number (if applicable): 022449

Telephone Number: 01736 332749

Design (2)

Trading Title:

Address:

Postcode:

Registration Number (if applicable):

Telephone Number:

Construction

Trading Title:

Address:

Postcode:

Registration Number (if applicable):

Telephone Number:

Inspection and Testing

Trading Title:

Address:

Postcode:

Registration Number (if applicable):

Telephone Number:

9 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements

TN-S:	N/A
TN-C-S:	✔
TNC:	N/A
TT:	N/A
IT:	N/A

Number and Type of Live Conductors

AC:	✔	1-phase (2-wire):	N/A	2-phase (3-wire):	N/A
		3-phase (3-wire):	N/A	3-phase (4-wire):	✔
DC:	N/A	2-wire:	N/A	3-wire:	N/A
Other:	N/A				
Confirmation of supply polarity:	✔				

Nature of Supply Parameters

Nominal voltage, U/Uo:	230 V
Nominal frequency, f:	50 Hz
Prospective fault current, Ipf:	2.35 kA
External earth fault loop impedance, Ze:	0.16 Ω
Number of supplies:	1

Supply Protective Device

BS (EN):	LIM
Type:	LIM
Rated current:	LIM A

10 PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Details of Installation Earth Electrode (where applicable)

Type:	N/A	Location:	N/A
Resistance to Earth:	N/A Ω	Method of measurement:	N/A

Maximum Demand (Load): 80 Amps

Main Switch / Switch-Fuse / Circuit-Breaker / RCD

Location:	INTAKE POSITION	BS (EN):	60947-3 Isolator	Number of poles:	3
Current rating:	125 A	Fuse/device rating or setting:	- A	Voltage rating:	415 V

If RCD main switch:

RCD Type:	N/A	Rated residual operating current ($I_{\Delta n}$):	N/A mA	Rated time delay:	N/A ms	Measured operating time:	N/A ms

Earthing and Protective Bonding Conductors

Earthing conductor
Conductor material: Copper csa: 16 mm^2 Connection/continuity verified: ✔

Main protective bonding conductors
Conductor material: Copper csa: 10 mm^2 Connection/continuity verified: ✔

Bonding of extraneous-conductive parts

To water installation pipes:	✔	To gas installation pipes:	N/A
To oil installation pipes:	N/A	To lightning protection:	N/A
To structural steel:	N/A	To other service(s):	N/A

11 COMMENTS ON EXISTING INSTALLATION

SEE RECENT EICR

12 SCHEDULE OF INSPECTIONS

Item No	Description	Outcome
1.0	Condition of consumer's intake equipment (visual inspection only)	Pass
2.0	Parallel or switched alternative sources of supply	Pass
3.0	Protective measure: Automatic disconnection of supply	Pass
4.0	Basic protection	Pass
5.0	Protective measures other than ADS	Pass
6.0	Additional protection	Pass
7.0	Distribution equipment	Pass
8.0	Circuits (Distribution and Final)	Pass
9.0	Isolation and switching	Pass
10.0	Current-using equipment (permanently connected)	Pass
11.0	Identification and notices	Pass
12.0	Location(s) containing a bath or shower	N/A
13.0	Other special installations or locations	N/A
14.0	Prosumer's low voltage electrical installation(s)	N/A

All boxes must be completed. 'Pass' indicates that an inspection or test was carried out and that the result was satisfactory. 'Fail' indicates than an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.

DISTRIBUTION BOARD DETAILS

DB reference:	D.B.1	Location:	INTAKE LOCATION	Supplied from:	ORIGIN		
Distribution circuit OCPD: BS (EN):	LIM	Type:	LIM	Rating/Setting:	LIM A	No of phases:	3
SPD Details: Types: T1	N/A	T2	N/A	T3	N/A	N/A	N/A
Status indicator checked (where functionality indicator present)	N/A						
Confirmation of supply polarity	✔	Confirmation of phase sequence	✔	Zs at DB:	0.16 Ω	Ipf at DB:	2.35 kA

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

CIRCUIT DETAILS																TEST RESULT DETAILS															
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD
					Number and size												Ring final circuit			R_1+R_2 or R_2										
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
EATON MEM 3 BOARD AND MAIN SWITCH																													
1 L1	HEATER VIA TIME CLOCK (HALL & CLASS 2) 3.5KW	A	B	2	4	1.5	0.4	60898	B	32	10	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.38	N/A	500	> 500	> 500	✔	0.60	N/A	N/A	N/A
1 L2	HEATER VIA TIME CLOCK (CLASS 3) 4KW	A	B	2	4	1.5	0.4	60898	B	32	10	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.39	N/A	500	> 500	> 500	✔	0.57	N/A	N/A	N/A
1 L3	HEATER VIA TIME CLOCK (HALL & CLASS 1) 3.5KW	A	B	2	4	1.5	0.4	60898	B	32	10	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.43	N/A	500	> 500	> 500	✔	0.61	N/A	N/A	N/A
2 L1	LIGHTS, WCS, KITCHEN, ARMOURY, STORE	A	B	21	1.0	1.0	0.4	60898	C	6	10	2.91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.95	N/A	500	LIM	> 500	✔	1.16	N/A	N/A	N/A
2 L2	TIME CLOCK & CONTACTOR FOR HEATERS	A	B	2	1.0	1.0	0.4	60898	C	6	10	2.91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	500	> 500	> 500	✔	0.21	N/A	N/A	N/A

CODES FOR TYPE OF WIRING	A Thermoplastic insulated/sheathed cables	B Thermoplastic cables in metallic conduit	C Thermoplastic cables in nonmetallic conduit	D Thermoplastic cables in metallic trunking	E Thermoplastic cables in nonmetallic trunking	F Thermoplastic /SWA cables	G Thermosetting /SWA cables	H Mineral insulated cables	O - Other
									FP

DETAILS OF TEST INSTRUMENTS

Details of test instruments used (serial and/or asset numbers):

Multi-functional:	2745002	Insulation resistance:	-	Continuity:	-
Earth electrode resistance:	-	Earth fault loop impedance:	-	RCD:	-

TESTED BY

Name:	SCOTT GILBERT	Position:	Electrical Technician	Signature:	Date: 28/07/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: D.B.1 Location: INTAKE LOCATION Supplied from: ORIGIN

CIRCUIT DETAILS																	TEST RESULT DETAILS																
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Z_s	RCD		AFDD
					Number and size												Ring final circuit			R_1+R_2 or R_2											
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
2 L3	LIGHTS, HALL	A	B	8	1.0	1.0	0.4	60898	C	6	10	2.91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.05	N/A	500	LIM	> 500	✔	1.27	N/A	N/A	N/A
3 L1	SOCKETS, KITCHEN AND HEATER	A	B	4	4	1.5	0.4	61009	C	32	10	0.54	61009	A	30	32	N/A	N/A	N/A	0.43	N/A	500	> 500	> 500	✔	0.60	6	✔	N/A
3 L2	LIGHTS, CLASS 3, HALF OF HALL, STORE ROOM AND COS OFFICE	A	B	8	1.0	1.0	0.4	60898	C	6	10	2.91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.17	N/A	500	LIM	437	✔	1.37	N/A	N/A	N/A
3 L3	LIGHTS, CLASS 1 & 2	A	B	9	1.0	1.0	0.4	60898	C	10	10	1.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.31	N/A	500	LIM	371	✔	1.45	N/A	N/A	N/A
4 L1	HAND DRYER GENTS	A	B	1	4	1.5	0.4	60898	C	32	10	0.54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.22	N/A	500	> 500	> 500	✔	0.37	N/A	N/A	N/A
4 L2	SOCKETS, HALL RCD SKT, OFFICE SOCKETS	A	B	3	4	1.5	0.4	61009	C	32	10	0.54	61009	A	30	32	N/A	N/A	N/A	0.55	N/A	500	> 500	> 500	✔	0.69	N/A	N/A	N/A
4 L3	LIGHTS, FRONT ENTRANCE AND BOTH GENERAL OFFICES	A	B	12	1.0	1.0	0.4	60898	C	10	10	1.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.15	N/A	500	LIM	324	✔	1.28	N/A	N/A	N/A
5 L1	HEATER IN GENERAL OFFICE AND SOCKET IN CLASS 3	A	B	2	2.5	1.5	0.4	61009	B	20	10	1.75	61009	A	30	20	N/A	N/A	N/A	0.35	N/A	500	> 500	> 500	✔	0.51	6	✔	N/A
5 L2	SUB MAIN ATC HUT (Supply to D.B.4)	A	B	1	6/2.5	6/2.5	0.4	60898	C	20	10	0.87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.20	N/A	500	> 500	> 500	✔	0.34	N/A	N/A	N/A
5 L3	HEATER SPURS IN CLASS 2	A	B	2	4	1.5	0.4	60898	B	32	10	1.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.57	N/A	500	> 500	> 500	✔	0.77	N/A	N/A	N/A
6 L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
6 L2	SUB MAIN, D.B.3. (MK BOARD) (Supply to D.B.3 (MK))	A	B	1	6	2.5 & 10	0.4	60898	C	32	10	0.54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	500	> 500	> 500	✔	0.17	N/A	N/A	N/A
6 L3	FIRE ALARM	O	B	1	1.5	1.0	0.4	60898	C	10	10	1.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.38	N/A	500	> 500	> 500	✔	0.53	N/A	N/A	N/A
7 L1	SUB MAIN, D.B.2. (HAGAR BOARD) (Supply to D.B.2. (HAGAR))	A	B	1	16	16	0.4	60898	C	50	10	0.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	500	> 500	> 500	✔	0.16	N/A	N/A	N/A
7 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	O - Other
									FP

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: D.B.1 Location: INTAKE LOCATION Supplied from: ORIGIN

CIRCUIT DETAILS																	TEST RESULT DETAILS													
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD
					Number and size												Ring final circuit			R1+R2 or R2									
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r1 (line)	rn (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
8 TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non metallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral insulated cables	FP

DISTRIBUTION BOARD DETAILS

DB reference: D.B.2. (HAGAR) | Location: INTAKE LOCATION | Supplied from: D.B.1 - 7 L1

Distribution circuit OCPD: BS (EN): 60898 | Type: C | Rating/Setting: 50 A | No of phases: 1

SPD Details: Types: T1 N/A | T2 N/A | T3 N/A | N/A N/A | Status indicator checked (where functionality indicator present) N/A

Confirmation of supply polarity ✔ | Confirmation of phase sequence N/A | Zs at DB: 0.16 Ω | Ipf at DB: 0.9 kA

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

CIRCUIT DETAILS																	TEST RESULT DETAILS																
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD
					Number and size												Ring final circuit			R_1+R_2 or R_2											
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
HAGAR BOARD WITH 100A, 30MA RCD AS MAIN SWITCH																																
1	HAND DRYER, LADIES, DISABLED AND HEATER IN STORE	A	B	3	2.5	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	100	0.22	0.22	0.37	0.15	N/A	500	> 500	> 500	✔	0.37	32	✔	N/A
2	FLUSH MOUNTED SPURS AND SOCKETS IN STORE AND CO OFFICE	A	B	4	4	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	100	N/A	N/A	N/A	0.22	N/A	500	> 500	> 500	✔	0.40	32	✔	N/A
3	FLUSH MOUNTED SPURS AND SOCKETS, CLASS 1 & 2	A	B	4	4	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	100	N/A	N/A	N/A	0.55	N/A	500	> 500	> 500	✔	0.71	32	✔	N/A
4	WATER HEATER, KITCHEN CUPBOARD	A	B	1	2.5	1.5	0.4	60898	B	16	6	2.18	61008	AC	30	100	N/A	N/A	N/A	0.38	N/A	500	> 500	> 500	✔	0.57	32	✔	N/A
5	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in nonmetallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in nonmetallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral insulated cables	N/A

DETAILS OF TEST INSTRUMENTS

Details of test instruments used (serial and/or asset numbers):

Multi-functional: 21112062 | Insulation resistance: N.A | Continuity: N/A

Earth electrode resistance: N/A | Earth fault loop impedance: N/A | RCD: N/A

TESTED BY

Name: MR S. FULLER | Position: Electrician | Signature:  | Date: 07/06/2023

DISTRIBUTION BOARD DETAILS

DB reference: D.B.3 (MK) | Location: INTAKE LOCATION | Supplied from: D.B.1 - 6 L2

Distribution circuit OCPD: BS (EN): 60898 | Type: C | Rating/Setting: 32 A | No of phases: 1

SPD Details: Types: T1 N/A | T2 N/A | T3 N/A | N/A N/A | Status indicator checked (where functionality indicator present) N/A

Confirmation of supply polarity ✔ | Confirmation of phase sequence N/A | Zs at DB: 0.17 Ω | Ipf at DB: 1.01 kA

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

CIRCUIT DETAILS																	TEST RESULT DETAILS																	
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD					
					Number and size												Ring final circuit			R_1+R_2 or R_2													
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
MK BOARD AND MAIN SWITCH																																	
1	DADO SOCKETS, CLASS 3	A	B	4	2.5	1.5	0.4	61009	B	32	6	1.10	61009	AC	30	32	0.35	0.35	0.56	0.25	N/A	500	> 500	> 500	✔	0.40	15	✔	N/A
2	DADO SOCKETS, CO OFFICE AND GENERAL OFFICE	A	B	6	2.5	1.5	0.4	61009	B	32	6	1.10	61009	AC	30	32	0.26	0.26	0.44	0.18	N/A	500	> 500	> 500	✔	0.34	15	✔	N/A
3	DADO SOCKETS, CLASS 2 AND MAIN HALL	A	B	5	2.5	1.5	0.4	61009	B	32	6	1.10	61009	AC	30	32	0.48	0.48	0.78	0.34	N/A	500	> 500	> 500	✔	0.46	15	✔	N/A
4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CODES FOR TYPE OF WIRING	A Thermoplastic insulated/sheathed cables	B Thermoplastic cables in metallic conduit	C Thermoplastic cables in nonmetallic conduit	D Thermoplastic cables in metallic trunking	E Thermoplastic cables in nonmetallic trunking	F Thermoplastic /SWA cables	G Thermosetting /SWA cables	H Mineral insulated cables	O - Other
									N/A

DETAILS OF TEST INSTRUMENTS

Details of test instruments used (serial and/or asset numbers):

Multi-functional: 21112062 | Insulation resistance: N.A | Continuity: N/A

Earth electrode resistance: N/A | Earth fault loop impedance: N/A | RCD: N/A

TESTED BY

Name: MR S. FULLER | Position: Electrician | Signature:  | Date: 07/06/2023

DISTRIBUTION BOARD DETAILS

DB reference: D.B.4 | Location: ATC HUT | Supplied from: D.B.1 - 5 L2

Distribution circuit OCPD: BS (EN): 60898 | Type: C | Rating/Setting: 20 A | No of phases: 1

SPD Details: Types: T1 N/A | T2 N/A | T3 N/A | N/A N/A | Status indicator checked (where functionality indicator present) N/A

Confirmation of supply polarity ✔ | Confirmation of phase sequence N/A | Zs at DB: 0.34 Ω | Ipf at DB: 0.5 kA

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

CIRCUIT DETAILS																	TEST RESULT DETAILS														
		Conductor details						Overcurrent protective device					RCD					Continuity (Ω)					Insulation resistance				Zs	RCD		AFDD
					Number and size													Ring final circuit			R_1+R_2 or R_2									
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max disconnect time permitted by BS7671 (s)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r_1 (line)	r_n (neutral)	r_2 (cpc)	R_1+R_2	R_2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1	SOCKETS	A	C	6	2.5	1.5	0.4	60898	B	16	6	2.18	61008	AC	30	63	N/A	N/A	N/A	0.40	N/A	500	> 500	> 500	✔	0.76	8	✔	N/A
2	HEATERS	A	C	2	2.5	1.5	0.4	60898	B	16	6	2.18	61008	AC	30	63	N/A	N/A	N/A	0.10	N/A	500	> 500	> 500	✔	0.44	8	✔	N/A
3	LIGHTS	A	C	10	1.0	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	63	N/A	N/A	N/A	0.64	N/A	500	> 500	> 500	✔	0.93	8	✔	N/A
4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CODES FOR TYPE OF WIRING	A	B	C	D	E	F	G	H	O - Other
	Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in nonmetallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in nonmetallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral insulated cables	N/A

DETAILS OF TEST INSTRUMENTS

Details of test instruments used (serial and/or asset numbers):

Multi-functional: 21112062 | Insulation resistance: N.A | Continuity: N/A

Earth electrode resistance: N/A | Earth fault loop impedance: N/A | RCD: N/A

TESTED BY

Name: MR S. FULLER | Position: Electrician | Signature:  | Date: 07/06/2023

ELECTRICAL INSTALLATION CERTIFICATE
GUIDANCE FOR RECIPIENTS

(to be appended to the Certificate)

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed and inspected and tested in accordance with BS 7671.

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 the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

The 'original' Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further 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 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'.

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or addition to an existing installation. It should not have been issued for a periodic inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This certificate is only valid if accompanied by the Schedule(s) of Inspections and the Schedule(s) of 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.