ELECTRICAL INSTALLATION CONDITION REPORT

Requirements For Electrical Installations - BS 7671

Certificate Number: 2023-0567

1 DETAILS OF THE PERSON ORDERING THE REPORT

Client: WESSEX RFCA

Address: MOUNT HOUSE, MOUNT STREET, TAUNTON, TA1 3QE

2 REASON FOR PRODUCING THIS REPORT

Reason for producing this report:

SAFETY ASSESSMENT REQUESTED BY THE CLIENT TO ASCERTAIN THE "IN SERVICE" CONDITION OF THE ELECTRICAL INSTALLATION IN LINE WITH THE ELECTRICAL SAFETY STANDARDS.

Date on which inspection and testing was carried out: 13/07/2023

3 DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Installation Address: 7 HAYLE TERRACE,, COMMERCIAL ROAD,, HAYLE,, CORNWALL, TR27 4DE

Description of premises: Domestic N/A Commercial ✔ Industrial N/A Other: N/A

Estimated age of wiring system: 15+ years Evidence of additions/ alterations: Yes if yes, estimated age: 10 years

Installation records available? (Regulation 651.1) No Date of last inspection: N/A

4 EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

FIXED INSTALLATION AT THE ABOVE ADDRESS INCLUDING 80% SAMPLES OF ACCESSORIES, 100% DISTRIBUTION BOARDS EARTHING/PROTECTIVE BONDING CONDUCTORS AND FINAL DISTRIBUTION CIRCUITS IN ACCORDANCE WITH ITEM 3.8 OF GUIDANCE NOTES 3

Agreed limitations including the reasons (see Regulation 653.2):

CHARACTERISTICS OF PRIMARY OVERCURRENT DEVICE AS UNABLE TO WITHDRAW AT TIME OF TEST.
ALL ZS READINGS WERE CALCULATED USING THE ZS AT THE D/B WITH THE R1+R2 READINGS OBTAINED TO LIMIT THE TIME OF LIVE WORKING.
THERE ARE SOME LIMITATIONS TO THE INSULATION RESISTANCE TESTING DUE TO VOLTAGE SENSITIVE EQUIPMENT ATTACHED WHICH COULD NOT BE REMOVED AT THE TIME OF THE TEST.

Agreed with: CLIENT

Operational limitations including the reasons:

CCT10 FUSE BOARD 1 UNABLE TO IDENTIFY CIRCUIT SO THERE ARE SOME LIMITATIONS TO TESTING.
CCT 2 FUSE BOARD 2 LIMITATIONS AS WAS UNABLE TO IDENTIFY THE CIRCUIT.
CCT 3 D/B 6 OUT BUILDING LIMITATIONS AS WAS UNABLE TO IDENTIFY THE CIRCUIT.
THERE WAS NO ACCESS TOTHE AMMUNITION STORAGE ROOM SO WAS UNABLE TO TELL IF THERE WAS ANY ELECTRICAL OUTLETS IN THIS ROOM AND IF THEY WERE NONE OF THEM WERE TESTED OR INSPECTED.

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations) as amended to 2022.
It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

5 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*: UNSATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

6 RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as 'FI - Further Investigation Required'.
Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by: 5 Years or change of tenant/owner

Note: The proposed date for the next inspection should take into consideration 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.

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

N/A There are no items adversely affecting electrical safety

or

✔ The following observations and recommendations are made

Item No	Observations	Classification Code
1	THERE IS NO MAIN SWITCH TO ISOLATE THE WHOLE INSTALLATION	C3
2	COULD NOT FIND ANY VISIBLE MAIN EQUIPOTENTIAL WATER BOND. RESISTANCE TO INCOMMING EARTH 217 OHMES RESISTANCE TO MET WITH ALL PARALLEL PATHS CONNECTED 1.1 OHMES	C2
3	CABLES ENTERING THE METAL ENCLOSURE OF THE D/B WITH NO GROMMET BOTTOM	C3
4	THE RCD PROTECTING D/B 1 IS AC TYPE BUT UPON TESTING NO DC BLINDING WAS EVIDENT	C3
5	RCD AT D/B 1 BUZZING WHEN UNDER LOAD TERMINALS CHECKED ALL TIGHT	C2
6	CCT6 D/B 1 DIFFERENT BRAND MCB TO THE MANUFACTURE OF THE D/B NO SIGNS OF OVERHEATING OR ARCHING	C3
7	D/B 2 BLANK MISSING FROM D/B LEAVING ACCESS TO EXPOSED LIVE PARTS C1 (BLANK FITTED AT THE TIME OF THE TEST)	NOTE
8	RCD SUPPLYING KMF TO FUSE BOARD 2 DID NOT OPERATE UNDER TEST	C2
9	COVER TO KMF SUPPLYING FUSE BOARD 1 CRACKED IN HALF BUT WHEN SECURED NO EXPOSED LIVE PARTS ARE ON SHOW	C2
10	S/W FUSE TO OVER SINK WATER HTR CONNECTED WRONG SUPPLY IN THE LOAD SIDE OF THE SW FUSE (CORRECTED AT TIME OF TEST)	NOTE
11	CCT7 FUSE BOARD 1 LOW INSULATION RESISTANCE READING	FI
12	CCT 10 FUSEBOARD 1 UNABLE TO IDENTIFY CIRCUIT	FI
13	FUSEBOARD 1 THE RCD'S FITTED ARE AC TYPE BUT UPON TESTING THERE WERE NO SIGNES OF DC BLINDING	NOTE
14	CCT 2 FUSE BOARD 2 UNABLE TO IDENTIFY THE CIRCUIT	FI
15	SINGLE PLASTERBOARD BOX FOR WATER HTR IN WC NEEDS REPLACING AS NO FIXING FOR THE FACEPLATE SCREW ON ONE SIDE	C3
16	TWIN SOCKET IN CLASS ROOM UNDER TV FAULTY NEEDS REPLACING AS ONE SIDE IS HIGH RESISTANCE AND IS ONLY 100V	C2

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 Danger Present Risk of injury. Immediate remedial action required	C2 Potentially dangerous Urgent remedial action required	C3 Improvement recommended	FI Further investigation required without delay

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	2, 5, 8, 9, 16
Improvement recommended for items:	1, 3, 4, 6, 15
Further investigation required for items:	11, 12, 14

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN (CONTINUED)

Item No	Observations	Classification Code
17	CCT 6 FUSE BOARD 2 FEEDS THE HEATER IN THE KITCHEN BUT 2X CABLES LEAVE THE D/B AND WAS UNABLE TO IDENTIFY WHAT THE OTHER CABLE FED	FI
18	CCT 5 FUSE BOARD 2 SWA CABLE NOT GLANDED AT EITHER END BUT INTERNAL CORE USED AS EARTH	C3
19	SWA TO REAR OUT BUILDING RUNNING MORE THAN 3 METERS IN THE AIR UNSUPPORTED	C2
20	PATTRESS TO TWIN SOCKET BROKEN IN THE OUT BUILDING	C2
21	RCD SOCKET IN THE OUT BUILDING CRACKED AND BROKEN (NO NEED TO BE RCD SOCKET AS PROTECTED BY RCD AT MAINS)	C2
22	CCT 3 D/B 6 OUT BUILDING WAS UNABLE TO IDENTIFY THE CIRCUIT	FI
23	CCT 2 RANGE D/B CCT 2 THE ISOLATOR SWITCH FOR THE WALL HEATER THE TERMINALS ARE VERY CORRODED ADVISE REPLACEMENT	C3
24	THE METAL FLOURESCENT LIGHT FITTINGS DOWN THE FIRING RANGE ARE VERY CORRODED AND NEED REPLACEMENT (ADVISE NONE CORROSIVE ENCLOSED FITTINGS)	C3
25	AT THE TOP END OF THE FIRING RANGE NEAR THE D/B THERE IS AN OLD STYLE JOINT BOX WHICH IS EASILY ACCESSABLE TO WHICH YOU CAN GAIN ACCESS TO LIVE TERMINALS WITHOUT THE USE OF A TOOL	C3
26	ALL THE DISTRIBUTION BOARDS IN THE PROPERTY ARE OF PLASTIC CONSTRUCTION AND DO NOT MEET THE CURRENT EDITION OF THE REGULATIONS BUT WERE FITTED AT THE TIME OF AN EARLIER EDITION	C3
27	THERE IS NO SURGE PROTECTION FITTED TO THE PROPERTY	C3
28	THE DISTRIBUTION BOARDS NEED UP TO DATE CIRCUIT CHARTS	C3
29	SOME CIRCUITS ARE SHOWING THAT THE ZS READING IS TOO HIGH FOR ITS PROTECTION DEVICE BUT EVERY CIRCUIT HAS ADDITIONAL PROTECTION IN THE FORM OF A 30ma RCD	NOTE
30	DB2 CCT 1,3- ZS GRETAER THAN PERMITTED- PROTECTION OFFERED VIA RCD	C3
31	KMF SWITCH TO DB3/FUSEBOARD 2- ZS GREATER THAN PERMITTED, PROTECTION OFFERED VIA RCD	C3

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:

- C1 Danger Present. Risk of injury. Immediate remedial action required
- C2 Potentially dangerous. Urgent remedial action required
- C3 Improvement recommended
- FI Further investigation required without delay

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	19, 20, 21
Improvement recommended for items:	18, 23, 24, 25, 26, 27, 28, 30, 31
Further investigation required for items:	17, 22

8 GENERAL CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

THE INSTALLATION IS IN NEED OF SOME REMEDIAL WORKS TO OBTAIN A SATISFACTORY RESULT.

9 DECLARATION

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 declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section 4 of this report.

Trading Title:	DAVEY AND GILBERT LTD		
Address:	UNIT 1 PENSANS ROSPEATH INDUSTRIAL ESTATE ROSPEATH LANE , CROWLAS Postcode: TR20 8DU	Registration Number (if applicable):	22449
		Telephone Number:	01736 332749

For the INSPECTION, TESTING AND ASSESSMENT of the report:

Name:	Position:	Signature:	Date:
MR S. GILBERT	ELECTRICIAN		13/07/2023

Report reviewed and authorised for issue by:

Name:	Position:	Signature:	Date:
MR P. EDDY	QUALIFIED SUPERVISOR		26/07/2023

10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements

TN-S:	✔
TN-C-S:	N/A
TNC:	N/A
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:	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:	1.1 kA
External earth fault loop impedance, Ze:	0.23 Ω
Number of supplies:	1

Supply Protective Device

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

11 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

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

Location:	N/A THERE IS NO MAIN SWITCH FOR THE	BS (EN):	N/A	Number of poles:	N/A
Current rating:	N/A A	Fuse/device rating or setting:	N/A A	Voltage rating:	N/A 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:	6 mm²	Connection/ continuity verified:	✔

Main protective bonding conductors

Conductor material:	Copper	csa:	SEE mm²	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

12 INSPECTION SCHEDULE

Item	Description	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority	
1.1	Service cable	Pass
1.2	Service head	Pass
1.3	Earthing arrangements	Pass
1.4	Meter tails	Pass
1.5	Metering equipment	Pass
1.6	Isolator (where present)	N/A
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A
3.0	AUTOMATIC DISCONNECTION OF SUPPLY	
3.1	Main earthing/bonding arrangements (411.3; Chap 54):	
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3)	Pass
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	C3
3.1.3	Adequacy of earthing conductor connections (542.3.2)	C3
3.1.4	Accessibility of earthing conductor connections (543.3.2)	Pass
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)	C2
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	C2
3.1.7	Accessibility of all protective bonding connections (543.3.2)	C2
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)	C2
3.2	FELV - requirements satisfied (411.7; 411.7.1)	Pass
4.0	OTHER METHODS OF PROTECTION (where any of the methods listed below are employed details should be provided on separate sheets)	
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	Pass
4.3	Electrical separation (Section 413; 418.3)	Pass
4.4	Double insulation (Section 412)	Pass
4.5	Reinforced insulation (Section 412)	Pass
5.0	DISTRIBUTION EQUIPMENT	
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	Pass
5.2	Security of fixing (134.1.1)	Pass
5.3	Condition of insulation of live parts (416.1)	Pass
5.4	Adequacy/security of barriers (416.2)	Pass
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	Pass
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	C3
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	Pass
5.8	Presence and effectiveness of obstacles (417.2)	Pass
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	C3
5.10	Operation of main switch(es) (functional check) (643.10)	Pass
5.11	Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (643.10)	Pass
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	Pass
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)	Pass
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	Pass

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

12 INSPECTION SCHEDULE (CONTINUED)

Item	Description	Outcome
5.15	Presence of RCD six-monthly test notice, where required (514.12.2)	Pass
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	C3
5.17	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A
5.18	Presence of next inspection recommendation label (514.12.1)	Pass
5.19	Presence of other required labelling (please specify) (Section 514)	N/A
5.20	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	Pass
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
5.22	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	Pass
5.23	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	Pass
6.0	DISTRIBUTION CIRCUITS	
6.1	Identification of conductors (514.3.1)	Pass
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	C2
6.3	Condition of insulation of live parts (416.1)	C2
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
6.6	Cables correctly terminated in enclosures (Section 526)	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	Pass
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	Pass
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	Pass
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts:	
6.15.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or	LIM
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.204)	LIM
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
6.17	Band II cables segregated/separated from Band I cables (528.1)	Pass
6.18	Cables segregated/separated from non-electrical services (528.3)	Pass
6.19	Condition of circuit accessories (651.2)	C2
6.20	Suitability of circuit accessories for external influences (512.2)	Pass
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
6.22	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)	Pass
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)	Pass
6.24	General condition of wiring systems (651.2)	Pass
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	Pass
7.0	FINAL CIRCUITS	
7.1	Identification of conductors (514.3.1)	Pass
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	C2
7.3	Condition of insulation of live parts (416.1)	C2

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

12 INSPECTION SCHEDULE (CONTINUED)

Item	Description	Outcome
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	Pass
7.11	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):	
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)	LIM
7.11.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.201; 522.6.204)	LIM
7.12	Provision of additional protection by 30mA RCD:	
7.12.1	For all socket-outlets of rating 32A or less, unless an exemption is permitted (411.3.3) *	Pass
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	Pass
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *	Pass
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *	Pass
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *	N/A
	* Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.	
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
7.14	Band II cables segregated/separated from Band I cables (528.1)	Pass
7.15	Cables segregated/separated from non-electrical services (528.3)	Pass
7.16	Termination of cables at enclosures – identify/record numbers and locations of items inspected (Section 526):	
7.16.1	Connections under no undue strain (526.6)	Pass
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)	Pass
7.16.3	Connections of live conductors adequately enclosed (526.5)	Pass
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	Pass
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	C2
7.18	Suitability of accessories for external influences (512.2)	Pass
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	Pass
8.0	ISOLATION AND SWITCHING	
8.1	Isolators (Sections 460; 537):	
8.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)	Pass
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	N/A
8.1.3	Capable of being secured in the OFF position (462.3)	N/A
8.1.4	Correct operation verified (643.10)	Pass
8.1.5	Clearly identified by position and/or durable marking (537.2.6)	Pass
8.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	N/A
8.2	Switching off for mechanical maintenance (Section 464; 537.3.2):	
8.2.1	Presence and condition of appropriate devices (464.1; 537.3.2)	N/A
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	N/A
8.2.3	Capable of being secured in the OFF position (462.3)	N/A
8.2.4	Correct operation verified (643.10)	N/A
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	N/A

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

12 INSPECTION SCHEDULE (CONTINUED)

Item	Description	Outcome
8.3	Emergency switching/stopping (Section 465; 537.3.3):	
8.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	N/A
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	N/A
8.3.3	Correct operation verified (643.10)	N/A
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	N/A
8.4	Functional switching (Section 463; 537.3.1):	
8.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	Pass
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	Pass
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Condition of equipment in terms of IP rating etc (416.2)	Pass
9.2	Equipment does not constitute a fire hazard (Section 421)	Pass
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	C3
9.4	Suitability for the environment and external influences (512.2)	Pass
9.5	Security of fixing (134.1.1)	Pass
9.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page) (527.2)	Pass
9.7	Recessed luminaires (downlighters):	
9.7.1	Correct type of lamps fitted (559.3.1)	N/A
9.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)	N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)	N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	N/A
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
10.3	Shaver supply units comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A
10.5	Low voltage (e.g. 230 V) socket-outlets sited at least 2.5m from zone 1 (701.512.3)	N/A
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A
10.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspections)	
11.1	N/A	N/A
11.2	N/A	N/A
11.3	N/A	N/A
11.4	N/A	N/A
11.5	N/A	N/A
12.0	PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S) Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist below.	
12.1	N/A	N/A
12.2	N/A	N/A
12.3	N/A	N/A
12.4	N/A	N/A
12.5	N/A	N/A

Inspected by:

Name: - Position: - Signature: Date: 13/07/2023

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

DISTRIBUTION BOARD DETAILS

DB reference: DB 1 STEEPLE | Location: FRONT CLASSROOM MAINS CUPBOARD | Supplied from: Origin

Distribution circuit OCPD: BS (EN): SUPPLY CUT-OUT | Type: LIM | Rating/Setting: LIM 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: 0.19 Ω | Ipf at DB: 1.3 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)
RCD 80A 30ma AC TYPE																													
1	SOME SOCKETS AND HTR POINTS IN THE CLASS ROOM AND ROOM ADJASENT	A	B/100	6	2.5	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	80	0.22	0.20	0.33	0.20	N/A	500	>500	>500	✔	0.39	36.9	✔	N/A
2	2X CLASS ROOM LIGHTS	A	B/100	7	1.5	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	80	N/A	N/A	N/A	1.01	N/A	500	LIM	58	✔	1.2	36.9	✔	N/A
3	HALL LIGHTS EAST SIDE+ HEATING CONTACTOR	A	B/100	9	1.0	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	80	N/A	N/A	N/A	0.59	N/A	500	LIM	75.8	✔	0.78	36.9	✔	N/A
CCT 3 R1+R2 TESTING CARRIED OUT AT SWITCH POSITION AS LIGHT FITTINGS NOT ACCESSABLE AT THE TIME OF THE TEST >3M HIGH																													
4	HALL LTS WEST SIDE + E/M FLOODS	A	B/100	10	1.0	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	80	N/A	N/A	N/A	1.39	N/A	500	LIM	67.9	✔	1.58	36.9	✔	N/A
5	FIRE ALARM POINT	O	B/100	1	1.5	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	80	N/A	N/A	N/A	0.56	N/A	500	>500	>500	✔	0.75	36.9	✔	N/A
6	CHAIN GATE	A/F	C/D	1	2.5	1.5	0.4	60898	B	16	6	2.18	61008	AC	30	80	N/A	N/A	N/A	0.10	N/A	500	>500	>500	✔	0.29	36.9	✔	N/A

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	FP 200

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: MR S. GILBERT | Position: ELECTRICIAN | Signature: S.Gilbert | Date: 13/07/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: DB 1 STEEPLE | Location: FRONT CLASSROOM MAINS CUPBOARD | Supplied from: Origin

CIRCUIT DETAILS																	TEST RESULT DETAILS														
		Conductor details						Overcurrent protective device					RCD				Continuity (Ω)					Insulation resistance				Z_s	RCD		AFDD
																	Ring final circuit			R_1+R_2 or R_2										
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Number and size: Live (mm²)	Number and size: 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)
CCT 6 TESTING CARRIED OUT TO CONTROLL SWITCH FUSE BELOW D/B ONLY																														

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 200

DISTRIBUTION BOARD DETAILS

DB reference: DB 2 (STEEPLE) | Location: FRONT CLASSROOM IN MAINS CUPBOARD | Supplied from: Origin VIA CONTACTOR ON TIME CLOCK

Distribution circuit OCPD: BS (EN): SUPPLY CUT-OUT | Type: LIM | Rating/Setting: LIM 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: 0.18 Ω | Ipf at DB: 1.3 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)
RCD 80A 30ma AC TYPE																																
1	MAIN HALL WALL HTRS 1+2	A	B/100	2	2.5	1.5	0.4	60898	C	20	10	0.87	61008	AC	30	80	N/A	N/A	N/A	0.77	N/A	500	>500	>82	✔	0.95	36.2	✔	N/A
2	MAIN HALL WALL HTRS 3+4	A	B/100	2	2.5	1.5	0.4	60898	C	20	10	0.87	61008	AC	30	80	N/A	N/A	N/A	0.69	N/A	500	>500	66.3	✔	0.87	36.2	✔	N/A
3	MAIN HALL WALL HTRS 5+6	A	B/100	2	2.5	1.5	0.4	60898	C	20	10	0.87	61008	AC	30	80	N/A	N/A	N/A	0.89	N/A	500	>500	59.9	✔	1.07	36.2	✔	N/A
4	MAIN HALL WALL HTRS 7+8	A	B/100	2	2.5	1.5	0.4	60898	C	20	10	0.87	61008	AC	30	80	N/A	N/A	N/A	0.68	N/A	500	>500	66.9	✔	0.86	36.2	✔	N/A
5	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: 2745002 | Insulation resistance: - | Continuity: -

Earth electrode resistance: - | Earth fault loop impedance: - | RCD: -

TESTED BY

Name: MR S. GILBERT | Position: ELECTRICIAN | Signature: S.Gilbert | Date: 13/07/2023

DISTRIBUTION BOARD DETAILS

DB reference: KMF S/W FUSE TO D/B 3 FUSE BOARD 2 | Location: FRONT CLASS ROOM IN MAINS CUPBOARD | Supplied from: Origin VIA 100A 100ma RCD TIME DELAY

Distribution circuit OCPD: BS (EN): SUPPLY CUT-OUT | Type: LIM | Rating/Setting: LIM 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: 0.28 Ω | Ipf at DB: 2.7 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	FUSE BOARD 2	A	B/100	1	16	6/10	5	1361	2	80	33	0.38	61008	AC	100	100	N/A	N/A	N/A	0.13	N/A	500	>500	>500	✔	0.41	>310	✔	N/A
THE RCD SUPPLYING THIS KMF IS TIME DELAY																													

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: 2745002 | Insulation resistance: - | Continuity: -

Earth electrode resistance: - | Earth fault loop impedance: - | RCD: -

TESTED BY

Name: MR S. GILBERT | Position: ELECTRICIAN | Signature:  | Date: 13/07/2023

DISTRIBUTION BOARD DETAILS

DB reference: KMF S/W FUSE TO FUSE BOARD 1 | Location: FRONT CLASS ROOM MAINS CUPBOARD | Supplied from: Origin VIA A 100ma RCD TIME DELAY

Distribution circuit OCPD: BS (EN): SUPPLY CUT-OUT | Type: LIM | Rating/Setting: LIM 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: 0.21 Ω | Ipf at DB: 1.2 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	FUSE BOARD 1	A	B/100	1	16	6/10	0.4	1361	2	80	33	N/A	61008	AC	100	100	N/A	N/A	N/A	0.11	N/A	500	>500	>500	✔	0.32	338.6	✔	N/A
THE RCD SUPPLYING THIS KMF IS TIME DELAY																													

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: 2745002 | Insulation resistance: - | Continuity: -

Earth electrode resistance: - | Earth fault loop impedance: - | RCD: -

TESTED BY

Name: MR S. GILBERT | Position: ELECTRICIAN | Signature:  | Date: 13/07/2023

DISTRIBUTION BOARD DETAILS

DB reference: FUSE BOARD 1 (HAGER) | Location: REAR CLASS ROOM ABOVE DOOR | Supplied from: KMF S/W FUSE FUSE BOARD 1

Distribution circuit OCPD: BS (EN): 1361 | Type: 2 | Rating/Setting: 80 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: 0.24 Ω | Ipf at DB: 1.0 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)
100A MAIN SWITCH																													
RCD 1 63A 30ma AC TYPE																													
1	FAR OFFICE RING MAIN	A	B/100	5	2.5	1.5	0.4	60898	B	32	10	1.10	61008	AC	30	63	0.33	0.33	0.51	0.22	N/A	500	>500	>500	✔	0.46	25.4	✔	N/A
2	SOCKETS CLASS ROOM AND HUB CUPBOARD	A	B/100	8	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.45	N/A	500	LIM	333	✔	0.69	25.4	✔	N/A
3	KITCHEN SOCKETS	A	B/100	4	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.34	N/A	500	>500	>500	✔	0.58	25.4	✔	N/A
4	DISABLED HAND DRYER	A	B/100	1	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.34	N/A	500	>500	>500	✔	0.58	25.4	✔	N/A
5	KITCHEN OVER SINK WATER HTR	A	B/100	1	2.5	1.5	0.4	60898	B	16	10	2.18	61008	AC	30	63	N/A	N/A	N/A	0.35	N/A	500	>500	>500	✔	0.59	25.4	✔	N/A
6	DISABLED WC WATER HTR	A	B/100	1	2.5	1.5	0.4	60898	B	16	10	2.18	61008	AC	30	63	N/A	N/A	N/A	0.25	N/A	500	>500	>500	✔	0.49	25.4	✔	N/A
CCT 6 CIRCUIT TESTED TO CONTROL SW FUSE IN KITCHEN AS WATER HEATER IN ACCESSABLE AT THE TIME OF THE TEST																													

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: 2745002 | Insulation resistance: - | Continuity: -

Earth electrode resistance: - | Earth fault loop impedance: - | RCD: -

TESTED BY

Name: MR S. GILBERT | Position: ELECTRICIAN | Signature: S.Gilbert | Date: 13/07/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: FUSE BOARD 1 (HAGER) Location: REAR CLASS ROOM ABOVE DOOR Supplied from: KMF S/W FUSE FUSE BOARD 1

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)
7	REAR OUTSIDE FLOOD LIGHTS	A	B/100	4	1.0	1.0	0.4	60898	C	6	10	2.91	61008	AC	30	63	N/A	N/A	N/A	1.32	N/A	500	LIM	1	✘	1.56	25.4	✔	N/A
8	BLANK																												
RCD 2 63A 30ma AC TYPE																													
9	WC HEATERS	A	B/100	2	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.55	N/A	500	>500	>500	✔	0.79	25.8	✔	N/A
10	UNABLE TO IDENTIFY	A	B/100	LIM	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	LIM	LIM	500			LIM	LIM	25.8	✔	N/A
11	WC HAND DRYERS	A	B/100	2	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.47	N/A	500	>500	>500	✔	0.71	25.8	✔	N/A
12	DISABLED HTR	A	B/100	1	2.5	1.5	0.4	60898	B	6	10	5.82	61008	AC	30	63	N/A	N/A	N/A	0.35	N/A	500	>500	>500	✔	0.59	25.8	✔	N/A
13	DISABLED ALARM	A	B/100	1	2.5	1.5	0.4	60898	B	6	10	5.82	61008	AC	30	63	N/A	N/A	N/A	0.35	N/A	500	>500	>500	✔	0.59	25.8	✔	N/A
14	LIGHTS BACK OF BUILDING	A	B/100	28	1.0	1.0	0.4	60898	B	6	10	5.82	61008	AC	30	63	N/A	N/A	N/A	1.59	N/A	500	LIM	19.4	✔	1.83	25.8	✔	N/A
15	SPARE																												
16																													

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	N/A

DISTRIBUTION BOARD DETAILS

DB reference: FUSE BOARD 2 (HAGER) | Location: REAR CLASS ROOM ABOVE DOOR | Supplied from: KMF S/W FUSE FUSE BOARD 2

Distribution circuit OCPD: BS (EN): 1361 | Type: 2 | Rating/Setting: 80 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: 0.21 Ω | Ipf at DB: 1.2 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)
100A MAIN S/W																																	
RCD 1 63A 30ma AC TYPE																																	
1	SUB MAIN TO D/B RANGE	A	D/100	1	6	2.5	0.4	60898	B	32	10	1.10	61008	AC	30	63	N/A	N/A	N/A	0.70	N/A	500	119.9	124.5	✔	0.91	36	✔	N/A
2	UNABLE TO IDENTIFY	A	B/100	LIM	6	2.5	0.4	60898	B	32	10	1.10	61008	AC	30	63	N/A	N/A	N/A	LIM	LIM	500	LIM	194.5	LIM	LIM	36	✔	N/A
3	WC WATER HTR	A	B/100	1	4	1.5	0.4	60898	B	32	10	1.10	61008	AC	30	63	N/A	N/A	N/A	0.43	N/A	500	LIM	>500	✔	0.64	36	✔	N/A
4	SPARE																												
5	SUB MAIN TO REAR OUT BUILDING (D/B 6)	F	D/100	1	6	6	0.4	60898	B	32	10	1.10	61008	AC	30	63	N/A	N/A	N/A	0.22	N/A	500	>500	>500	✔	0.43	36	✔	N/A
RDC 2 63A 30ma AC TYPE																																	
6	KITCHEN HTR	A	B/100	1	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.32	N/A	500	>500	>500	✔	0.53	17.8	✔	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
									N/A

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: MR S. GILBERT | Position: ELECTRICIAN | Signature: S.Gilbert | Date: 13/07/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

DB reference: FUSE BOARD 2 (HAGER) Location: REAR CLASS ROOM ABOVE DOOR Supplied from: KMF S/W FUSE FUSE BOARD 2

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 (mm^2)	cpc (mm^2)	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)
7	CLASS ROOM HTR, OFFICE HTR + 2X TSSO'S BELOW & 2X TSSO'S IN OFFICE	A	B/100	6	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.35	N/A	500	31.9	36.8	✔	0.56	17.8	✔	N/A
8	SOCKET MAIN HALL	A	B/100	1	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.27	N/A	500	>500	>500	✔	0.48	17.8	✔	N/A
9	CLASS ROOM HTR	A	B/100	1	2.5	1.5	0.4	60898	B	20	10	1.75	61008	AC	30	63	N/A	N/A	N/A	0.22	N/A	500	>500	>500	✔	0.43	17.8	✔	N/A
10	OFFICE HTR AND 2X TSSO'S	A	B/100	3	2.5	1.5	0.4	60898	B	16	10	2.18	61008	AC	30	63	N/A	N/A	N/A	0.32	N/A	500	>500	>500	✔	0.53	17.8	✔	N/A

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	N/A

DISTRIBUTION BOARD DETAILS

DB reference: DB 6 REAR OUT BUILDING (HAGER) Location: REAR OUT BUILDING NEXT TO DOOR Supplied from: FUSE BOARD 2 CCT 5

Distribution circuit OCPD: BS (EN): 60898 Type: B 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: 0.36 Ω Ipf at DB: 0.75 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)
RCD 63A 30ma AC TYPE																																	
1	RING SOCKETS AND HTRS IN ENTRANCE ROOM	A	100	5	2.5	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	63	0.23	0.23	0.36	0.18	N/A	500	261	259	✔	0.54	20.6	✔	N/A
2	RING SOCKETS IN STORE ROOM	A	100	2	2.5	1.5	0.4	60898	B	32	6	1.10	61008	AC	30	63	0.24	0.23	0.37	0.16	N/A	500	180.1	160.4	✔	0.52	20.6	✔	N/A
3	UNABLE TO IDENTIFY	A	100	LIM	2.5	1.5	0.4	60898	B	16	6	2.18	61008	AC	30	63	N/A	N/A	N/A	LIM	LIM	500	>500	>500	LIM	LIM	20.6	✔	N/A
4	LIGHTS	A	100	6	1.0	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	63	N/A	N/A	N/A	0.56	N/A	500	LIM	105	✔	0.92	20.6	✔	N/A

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: 2745002 Insulation resistance: - Continuity: -

Earth electrode resistance: - Earth fault loop impedance: - RCD: -

TESTED BY

Name: MR S. GILBERT Position: ELECTRICIAN Signature: S.Gilbert Date: 13/07/2023

DISTRIBUTION BOARD DETAILS

DB reference: DB RANGE (HAGER) | Location: SHOOTING RANGE | Supplied from: FUSE BOARD 2 CCT1

Distribution circuit OCPD: BS (EN): 60898 | Type: B | 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: 0.86 Ω | Ipf at DB: 0.28 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)
RCD 63A 30ma AC TYPE																													
1	D/P ISOLATOR ABOVE FAN	A	C/100	1	2.5	1.0	0.4	60898	B	10	6	3.50	61008	AC	30	63	N/A	N/A	N/A	0.26	N/A	500	>500	>500	✔	1.12	17.2	✔	N/A
2	HEATER	A	C/100	1	2.5	1.0	0.4	60898	B	10	6	3.50	61008	AC	30	63	N/A	N/A	N/A	0.53	N/A	500	>500	>500	✔	1.39	17.2	✔	N/A
3	RANGE LTS & FANS	A	C/100	10	1.0	1.0	0.4	60898	B	10	6	3.50	61008	AC	30	63	N/A	N/A	N/A	1.28	N/A	500	LIM	6.79	✔	2.14	17.2	✔	N/A
4	FIRING POINT LIGHTS	A	C/100	2	1.0	1.0	0.4	60898	B	6	6	5.82	61008	AC	30	63	N/A	N/A	N/A	1.31	N/A	500	LIM	22.5	✔	2.17	17.2	✔	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
									N/A

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: MR S. GILBERT | Position: ELECTRICIAN | Signature:  | Date: 13/07/2023

ELECTRICAL INSTALLATION CONDITION REPORT
GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section 7).

2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results

3. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.

4. The original Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.

5. Section 4 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section 4.

7. For items classified in Section 7 as C1 (Danger present), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.

8. For items classified in Section 7 as C2 (Potentially dangerous), the safety of those using the installation at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

9. Where it has been stated in Section 7 that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 7).

10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section 7 of the Report under Recommendations.

11. 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.

12. 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.

13. 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.

14. 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.