R.E.F ELECTRICS (TAUNTON) LTD
Design. Install. Maintain

APPROVED CONTRACTOR

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

Certificate Reference: EICR-2023428-98

SECTION A. DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Client:	Benjamin + Beauchamp Architects Ltd
Address:	The Borough Studios The Borough Wedmore, Somerset Post code:BS28 4EB

SECTION B. PURPOSE OF THE REPORT

Purpose for which this report is required:	Safety check and specific concerns on certain parts of the installation.
Date(s) on which inspection and testing were carried out:	18/04/2023

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier: Various

Address: All Saints Church
Church Road, Trull, Somerset

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

Estimated age of electrical installation: 70 years

Evidence of alteration or additions: ✔ if yes, estimated age: 2 years

Date of last inspection: N/A

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: N/A

Records of installation available: N/A

Records held by: N/A

SECTION D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% visual inspection of the whole premises supplemented with metered tests to include continuity, polarity, insulation resistance, earth fault loop impedance and RCD tests.
10% of accessories internally inspected.

Agreed limitations (including the reasons, see reg. 653.2), if any, on the inspection and testing:

No Ceiling Voids, Floor Voids or loft spaces inspected. Unable to fully verify full cabling installation methods and supports.
No Ceiling Voids, Floor Voids or loft spaces inspected. Unable to fully verify full cabling types installed on the Entirety of the installation.

Agreed with: Benjamin + Beauchamp Architects Ltd

Operational limitations including the reasons:

No access to column connections, no visible access or joint available to test. (DB 1 circuit 6)
No visible verification of water/gas bond, verified by meter and cross bonding.

The inspection has been carried out in accordance with BS 7671:2018 + A2:2022. 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.

SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation in terms of electrical safety:

See deviations as recorded, these should be rectified as soon as possible.

Overall assessment of the installation: ~~SATISFACTORY~~ / UNSATISFACTORY*

***An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified, or that Further investigation without delay (FI) is required**

SECTION F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached Schedule(s) of Inspections 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.	Reference	Observations	Code
1	Certificate Inspection (No: 3.1.9)	Porth light has no dedicated earth/fly lead at rose. When tested R1+R2 at galv box was 35.5 ohms.	C2
2	Certificate Inspection (No: 5.6)	DB 2 is plastic	C3
3	Certificate Inspection (No: 5.13)	No RCD protection to sockets (DB1 circuit 2, 3,4,5 & 6)	C2
4	Certificate Inspection (No: 5.25)	No surge protection	C3
5	Certificate Inspection (No: 6.8)	DB 1 circuit 9 Level below bells, glands and terminations showing signs of corrosion	C2
6	Certificate Inspection (No: 7.2)	DB 1 circuit 7, porch light, no support in ceramic rose for flex	C3
7	Certificate Inspection (No: 7.14)	DB 1 circuit 9, several lamp holders showing signs of being brittle due to conditions (heat/cold)	C2
8	Certificate Inspection (No: 7.18)	DB 1 circuit 4, corrosion of back box and socket being used as the earth (MI), visible water ingress to socket. When tested it had a dead short.	C2
9	Certificate Inspection (No: 7.19)	Outside light above the vestry door has water ingress.	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	**Total C1**	0
Urgent remedial action required for items:	1, 3, 5, 7, 8, 9	**Total C2**	6
Improvement recommended for items:	2, 4, 6	**Total C3**	3
Further investigation required for items:	N/A	**Total FI**	0

SECTION G. 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 in page 1 (section C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (section F) and the attached schedules (section H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (section D).

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is:

~~SATISFACTORY~~ **/ UNSATISFACTORY*** **(section F) at the time the inspection was carried out, and that it should be further inspected as recommended (section I)**

*** An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified, or that Further investigation without delay (FI) is required**

For the INSPECTION, TESTING AND ASSESSMENT of the report:		**Report reviewed and confirmed by:**	
Signature:		Signature:	
Name:	Dave Neville	Name:	Gary Hunt
Position:	Engineer	Position:	Director/Qualified Supervisor
Date:	28/04/2023	Date:	28/04/2023

SECTION H. SCHEDULES AND ADDITIONAL PAGES

2 schedule(s) of inspection and test results are attached. Pages: 10 - 12

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

SECTION I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

5 Years (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items in section F which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation (FI) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see section F).

SECTION J. DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: REF Electrics (Taunton) Ltd

Address: 22 Acorn Centre
Livingstone Way
, Taunton, Somerset

Registration Number: 010217

Telephone Number: 01823 282399

Post Code: TA2 6BD

SECTION K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing Arrangements

TN-S	✔
TN-C-S	
TN-C	
TT	
IT	

Number and Type of Live Conductors

a.c.	✔	d.c.	
1-phase (2 wire)	✔	1-phase (3 wire):	
2-phase (3 wire)		2 pole	
3-phase (3 wire)		3-phase (4 wire):	
Other		3 pole	
		other	

Confirmation of supply polarity: ✔

Nature of Supply Parameters

Nominal voltage(s):	U: (1) N/AV	Uo: (1)	230V
Nominal frequency, f: (1)			50Hz
Prospective fault current, Ipf: (2)			1.97kA
External earth fault loop impedance, Ze: (2)			0.12Ω
Number of supplies:			1

(Note: (1) by enquiry, (2) by enquiry or by measurement)

Supply Protective Device

BS(EN):	1361 HBC
Type:	2
Rated current:	100A
Short-circuit Capacity:	33kA

SECTION L. PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing

Distributor's facility:	✔
Installation earth electrode:	

Details of Installation Earth Electrode (where applicable)

Type (e.g rod(s), tape etc):	N/A	Location:	N/A
Resistance to Earth:	N/AΩ	Method of measurement:	N/A

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

Location:	Vestry				
Type BS(EN):	5419	Current rating:	100	Supply conductors material:	Copper
Number of poles:	2	Fuse/device rating or setting:	N/A	Supply conductors csa:	16mm²
		Voltage rating:	240		

If RCD main switch:

Rated residual operating current (IΔn):	N/AmA
Rated time delay:	N/Ams
Measured operating time:	N/Ams

Earthing and Protective Bonding Conductors

Earthing conductor
Conductor material: Copper csa: 10mm² Connection/continuity verified: ✔

Main protective bonding conductors
Conductor material: Copper csa: 10mm² Connection/continuity verified: ✔

Bonding of extraneous-conductive parts

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

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

INSPECTION SCHEDULE - General

Item	Description	Comment	Outcome
1.0	**INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) An outcome against an item in this section, other than access to live parts, should not be used to determine the overall outcome.**		
1.1	**For this section only, where inadequacies are found, an 'X' should be put against the appropriate item and a comment made in Section F.**		
1.1.1	Service cable		PASS
1.1.2	Service head		PASS
1.1.3	Earthing arrangement		PASS
1.1.4	Meter tails		PASS
1.1.5	Metering equipment		PASS
1.1.6	Isolator (where present)		N/A
. . .	**Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and/or dutyholder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority.**		
1.1.7	Person ordering work/dutyholder notified (Yes or N/A)		Yes
1.2	**Consumers equipment**		
1.2.1	Consumer's isolator (where present)		PASS
1.2.2	Consumer's meter tails		PASS
2.0	**PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES**		
2.1	Adequate arrangements for other sources such as Microgenerators (551.6, 551.7)		N/A
3.0	**AUTOMATIC DISCONNECTION OF SUPPLY**		
3.1	**Main earthing/bonding arrangements (411.3; Chap 54)**		
3.1.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)		PASS
3.1.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)		N/A
3.1.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)		N/A
3.1.4	Adequacy of earthing conductor size (542.3; 543.1.1)		PASS
3.1.5	Adequacy of earthing conductor connections (542.3.2)		PASS
3.1.6	Accessibility of earthing conductor connections (543.3.2)		PASS
3.1.7	Adequacy of main protective bonding conductor sizes (544.1)		PASS
3.1.8	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		PASS
3.1.9	Accessibility of all protective bonding connections (543.3.2)	Porth light has no dedicated earth/fly lead at rose. When tested R1+R2 at galv box was 35.5 ohms.	C2
3.2	FELV - requirements satisfied (411.7; 411.7.1)		N/A
4.0	**OTHER METHODS OF PROTECTION (where the methods of protection 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)		N/A
4.3	Electrical separation (Section 413; 418.3)		N/A
4.4	Double insulation (Section 412)		N/A
4.5	Reinforced insulation (Section 412)		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

INSPECTION SCHEDULE - General			
Item	Description	Comment	Outcome
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 (421.1.201; 526.5)	DB 2 is plastic	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 (462.1.201)		PASS
5.10	Operation of main switch(es) (functional check) (643.10)		PASS
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (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)	No RCD protection to sockets (DB1 circuit 2, 3,4,5 & 6)	C2
5.14	RCD(s) provided for additional protection, where required - includes RCBOs (411.3.3; 415.1)		PASS
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)		PASS
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		PASS
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)		PASS
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)		N/A
5.19	Presence of next inspection recommendation label (514.12.1)		PASS
5.20	Presence of other required labelling (please specify) (Section 514)		PASS
5.21	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;, 411.4.5;, 411.4.6; Sections 432, 433)		PASS
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		PASS
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)		PASS
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		PASS
5.25	Confirmation of indication that SPD is functional (651.4)	No surge protection	C3

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

INSPECTION SCHEDULE - General			
Item	Description	Comment	Outcome
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)		PASS
6.3	Condition of insulation of live parts (416.1)		PASS
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)	DB 1 circuit 9 Level below bells, glands and terminations showing signs of corrosion	C2
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)		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 D. Extent and limitations) (522.6.202)		PASS
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 D. Extent and limitations) (522.6.204)		N/A
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)		N/A
6.18	Cables segregated/separated from non-electrical services (528.3)		N/A
6.19	Condition of circuit accessories (651.2)		PASS
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 cpc's, 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)	DB 1 circuit 7, porch light, no support in ceramic rose for flex	C3
7.3	Condition of insulation of live parts (416.1)		PASS
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

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

INSPECTION SCHEDULE - General			
Item	Description	Comment	Outcome
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)		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)		N/A
7.12	**Wiring systems and cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)**		
7.12.1	Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)		PASS
7.12.2	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 D. Extent and limitations) (522.6.204)		PASS
7.12.3	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.2.4)		N/A
7.13	**Provision of additional protection by 30 mA RCD**		
7.13.1	For circuits used to supply mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)		N/A
7.13.2	For all socket-outlets of rating 32 A or less unless exempt (411.3.3)		N/A
7.13.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)		N/A
7.13.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)		N/A
7.13.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4)		N/A
7.14	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	DB 1 circuit 9, several lamp holders showing signs of being brittle due to conditions (heat/cold)	C2
7.15	Band II cables segregated/separated from Band I cables (528.1)		N/A
7.16	Cables segregated/separated from non-electrical services (528.3)		N/A
7.17	**Termination of cables at enclosures - identify/record numbers and locations of items inspected (Section 526)**		
7.17.1	Connections under no undue strain (526.6)		PASS
7.17.2	No basic insulation of a conductor visible outside enclosure (526.8)		PASS
7.17.3	Connections of live conductors adequately enclosed (526.5)		PASS
7.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)		PASS
7.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	DB 1 circuit 4, corrosion of back box and socket being used as the earth (MI), visible water ingress to socket. When tested it had a dead short.	C2
7.19	Suitability of accessories for external influences (512.2)	Outside light above the vestry door has water ingress.	C2
7.20	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)		PASS
7.21	Confirmation of indication that AFDD is functional (643.10)		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

INSPECTION SCHEDULE - General			
Item	Description	Comment	Outcome
8.0	**ISOLATION AND SWITCHING**		
8.1	**Isolators (462; 537.2):**		
8.1.1	Presence and location 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)		PASS
8.1.3	Capable of being secured in the OFF position (462.3)		PASS
8.1.4	Correct operation verified (643.10)		PASS
8.1.5	Clearly identified by position and/or durable marking (537.2.7)		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)		PASS
8.2	**Switching off for mechanical maintenance (Section 464; 537.3.2):**		
8.2.1	Presence and condition of appropriate devices (464.1; 527.3.2)		PASS
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)		PASS
8.2.3	Capable of being secured in the OFF position (462.3)		PASS
8.2.4	Correct operation verified (642.10)		PASS
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)		PASS
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 (463.1; 537.3.1):**		
8.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)		N/A
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)		N/A
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)		PASS
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

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**

INSPECTION SCHEDULE - General			
Item	Description	Comment	Outcome
10.0	**LOCATION(S) CONTAINING A BATH OR SHOWER**		
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (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 sockets 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 volt) socket-outlets sited at least 3 m 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	**OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS**		
11.0	**List all other special installations or locations present, if any. (Record separately the results of particular inspections applied)**		
12	**PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)**		
12.0	**Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist.**		

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

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

TO BE COMPLETED IN EVERY CASE

DB Location: Vestry

DB Designation: DB1

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD (DB) IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from:

No of phases | **Nominal Voltage** V

Overcurrent protective device for the distribution circuit:

Type BS(EN) | **Rating:** A

Associated RCD (if any)

BS(EN)

RCD No of Poles

RCD Rating mA

Zs at DB Ω

Ipf at DB kA

Correct supply polarity confirmed

Operating times of associated RCD (if any) ms

Phase sequence confirmed (where appropriate)

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

Multi-functional	Sn: 11010887/An: 9	**RCD**	Sn: 11010887/An: 9	**Earth fault loop impedance**	Sn: 11010887/An: 9
Insulation resistance	Sn: 11010887/An: 9	**Continuity**	Sn: 11010887/An: 9	**Earth electrode resistance**	Sn: 11010887/An: 9

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

Circuit Details					Conductor details		Max disconnection time permitted by BS7671 (s)	Overcurrent protective devices				RCD	Maximum Zs permitted by BS7671 (Ω)	Test results													
														Ring final circuit continuity (Ω)			Continuity R1+R2 or R2 (Ω)		Insulation resistance			Polarity			RCD		AFDD
Circuit Number	Designation	Type of wiring	Reference method (♦)	Number of points served	Live (mm²)	cpc (mm²)		BS(EN)	Type No.	Rating (A)	Capacity (kA)	Operating current IΔn (mA)	@ 80%	r1 (Line)	rn (Neutral)	r2 (cpc)	R1 + R2	R2	Live/Live (MΩ)	Live/Earth (MΩ)	Test voltage DC (V)	Insert ✔ or ✖	Zs (Ω) Maximum measured	Disconnection time (ms)	Test button operation (✔)	Manual AFDD test button operation
1.SP	DB 2	H	C	1	6	Sheath	5	3871 MCB	1	40	9	N/A	1.04	N/A	N/A	N/A	0.28	0.43	199	199	250	✔	0.41	N/A	N/A	N/A
2.SP	Ring main church	H	C	2	2.5	Sheath	0.4	3871 MCB	1	32	9	N/A	1.296	0.30	0.31	0.03	N/A	0.03	199	199	250	✔	0.29	N/A	N/A	N/A
3.SP	Choir, vestry & bells sockets	H	C	2	2.5	Sheath	0.4	3871 MCB	1	16	9	N/A	2.592	N/A	N/A	N/A	0.16	N/A	199	199	250	✔	0.24	N/A	N/A	N/A
4.SP	South aisles sockets	H	C	2	2.5	Sheath	0.4	3871 MCB	1	16	9	N/A	2.592	N/A	N/A	N/A	LIM	N/A	0	0	250	✔	LIM	N/A	N/A	N/A
5.SP	North aisles sockets & PA spur	H	C	5	2.5	Sheath	0.4	3871 MCB	1	16	9	N/A	2.592	N/A	N/A	N/A	0.87	N/A	199	199	250	✔	0.56	N/A	N/A	N/A
6.SP	Outside columns	H	C	2	1.5	Sheath	0.4	3871 MCB	1	6	9	N/A	6.92	N/A	N/A	N/A	LIM	1.27	199	199	250	✔	LIM	N/A	N/A	N/A
7.SP	Porch lights & high halogens	H	C	3	1.5	Sheath	0.4	3871 MCB	1	6	9	N/A	6.92	N/A	N/A	N/A	35.5	0.95	199	199	250	✔	LIM	N/A	N/A	N/A
8.SP	Heating controls	H	C	1	1.5	Sheath	0.4	3871 MCB	1	6	9	N/A	6.92	N/A	N/A	N/A	1.73	N/A	199	199	250	✔	0.77	N/A	N/A	N/A
9.SP	New vestry ringing platform & tower lights	H	C	5	1.5	Sheath	0.4	3871 MCB	1	6	9	N/A	6.92	N/A	N/A	N/A	0.70	N/A	199	199	250	✔	0.90	N/A	N/A	N/A
10.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

♦ **See Table 4A2 of Appendix 4 of BS7671**

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O - Other
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metalic conduit	Thermoplastic cables in non-metalic conduit	Thermoplastic cables in metalic trunking	Thermoplastic cables in non-metalic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral-insulated cables	

TESTED BY

Name (Capitals) DAVE NEVILLE **Position** Engineer

Signature **Date** 28/04/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS - CONTINUE

Distribution board designation: DB1 **Location:** Vestry

Circuit Details					Conductor details		Max disconnection time permitted by BS7671 (s)	Overcurrent protective devices				RCD	Maximum Zs permitted by BS7671 (Ω)	Test results													
														Ring final circuit continuity (Ω)			Continuity R1+R2 or R2 (Ω)		Insulation resistance			Polarity		RCD		AFDD
Circuit Number	Designation	Type of wiring	Reference method (♦)	Number of points served	Live (mm²)	cpc (mm²)		BS(EN)	Type No.	Rating (A)	Capacity (kA)	Operating current IΔn (mA)	@ 80%	r1 (Line)	rn (Neutral)	r2 (cpc)	R1 + R2	R2	Live/Live (MΩ)	Live/Earth (MΩ)	Test voltage DC (V)	Insert ✔ or ✖	Zs (Ω) Maximum measured	Disconnection time (ms)	Test button operation (✔)	Manual AFDD test button operation
11.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

♦ **See Table 4A2 of Appendix 4 of BS7671**

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

TESTED BY

Name (Capitals) DAVE NEVILLE **Position** Engineer

Signature **Date** 28/04/2023

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

TO BE COMPLETED IN EVERY CASE

DB Location: Old vestry

DB Designation: DB2

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD (DB) IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to DB is from: DB 1 Circuit 1

No of phases: 2 **Nominal Voltage:** 230 V

Overcurrent protective device for the distribution circuit:

Type BS(EN): 3871 **Rating:** 40 A

Associated RCD (if any)

BS(EN):

RCD No of Poles:

RCD Rating: mA

Zs at DB: 0.35 Ω

Ipf at DB: 0.65 kA

Operating times of associated RCD (if any): ms

Correct supply polarity confirmed: ✔

Phase sequence confirmed (where appropriate):

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

Multi-functional: Sn: 11010887/An: 9

RCD: Sn: 11010887/An: 9

Earth fault loop impedance: Sn: 11010887/An: 9

Insulation resistance: Sn: 11010887/An: 9

Continuity: Sn: 11010887/An: 9

Earth electrode resistance: Sn: 11010887/An: 9

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

Circuit Details					Conductor details		Max disconnection time permitted by BS7671 (s)	Overcurrent protective devices				RCD	Maximum Zs permitted by BS7671 (Ω)	Test results													
														Ring final circuit continuity (Ω)			Continuity R1+R2 or R2 (Ω)		Insulation resistance			Polarity		RCD		AFDD
Circuit Number	Designation	Type of wiring	Reference method (♦)	Number of points served	Live (mm²)	cpc (mm²)		BS(EN)	Type No.	Rating (A)	Capacity (kA)	Operating current IΔn (mA)	@ 80%	r1 (Line)	rn (Neutral)	r2 (cpc)	R1 + R2	R2	Live/Live (MΩ)	Live/Earth (MΩ)	Test voltage DC (V)	Insert ✔ or ✖	Zs (Ω) Maximum measured	Disconnection time (ms)	Test button operation (✔)	Manual AFDD test button operation
1.SP	South aisle lights	H	C	4	1.5	Sheath	0.4	60898 MCB	B	6	6	N/A	5.824	N/A	N/A	N/A	1.80	N/A	199	199	250	✔	2.21	N/A	N/A	N/A
2.SP	Chancel floods	H	C	6	1.5	Sheath	0.4	60898 MCB	B	6	6	N/A	5.824	N/A	N/A	N/A	1.18	N/A	199	199	250	✔	1.58	N/A	N/A	N/A
3.SP	Chancel spots	H	C	2	1.5	Sheath	0.4	60898 MCB	B	6	6	N/A	5.824	N/A	N/A	N/A	0.35	N/A	199	199	250	✔	0.62	N/A	N/A	N/A
4.SP	Nave floods	H	C	2	1.5	Sheath	0.4	60898 MCB	B	6	6	N/A	5.824	N/A	N/A	N/A	0.60	N/A	199	199	250	✔	0.90	N/A	N/A	N/A
5.SP	North aisle lights	H	C	4	1.5	Sheath	0.4	60898 MCB	B	6	6	N/A	5.824	N/A	N/A	N/A	0.78	N/A	199	199	250	✔	1.08	N/A	N/A	N/A
6.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7.SP	Original sockets	H	C	4	2.5	Sheath	0.4	60898 MCB	B	32	6	30	1.096	0.20	0.21	0.01	LIM	0.68	199	199	250	✔	0.48	300	✔	N/A
8.SP	New wall sockets	E	B	2	2.5	2.5	0.4	60898 MCB	B	32	6	30	1.096	0.28	0.28	0.28	0.16	0.71	199	199	250	✔	0.45	300	✔	N/A
9.SP	New floor sockets	E	B	9	2.5	2.5	0.4	60898 MCB	B	32	6	30	1.096	0.30	0.29	0.30	0.18	N/A	199	199	250	✔	0.43	300	✔	N/A
10.SP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

♦ **See Table 4A2 of Appendix 4 of BS7671**

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O - Other
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metalic conduit	Thermoplastic cables in non-metalic conduit	Thermoplastic cables in metalic trunking	Thermoplastic cables in non-metalic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral-insulated cables	

TESTED BY

Name (Capitals): DAVE NEVILLE **Position:** Engineer

Signature: **Date:** 28/04/2023

Observations Details

C2 **Potentially dangerous. Urgent remedial action required**

Item No.: 1

Reference: Certificate Inspection (No: 3.1.9)

Observation:
Porth light has no dedicated earth/fly lead at rose. When tested R1+R2 at galv box was 35.5 ohms.

Inspection item covered:
3.1.9 Accessibility of all protective bonding connections (543.3.2)

Image notes:
N/A

C3 **Improvement recommended**

Item No.: 2

Reference: Certificate Inspection (No: 5.6)

Observation:
DB 2 is plastic

Inspection item covered:
5.6 Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)

Image notes:
N/A

C2 **Potentially dangerous. Urgent remedial action required**

Item No.: 3

Reference: Certificate Inspection (No: 5.13)

Observation:
No RCD protection to sockets (DB1 circuit 2, 3,4,5 & 6)

Inspection item covered:
5.13 RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)

Image notes:
N/A

C3 **Improvement recommended**

Item No.: 4

Reference: Certificate Inspection (No: 5.25)

Observation:
No surge protection

Inspection item covered:
5.25 Confirmation of indication that SPD is functional (651.4)

Image notes:
N/A

Observations Details

C2 **Potentially dangerous. Urgent remedial action required**

Item No.: 5

Reference: Certificate Inspection (No: 6.8)

Observation:
DB 1 circuit 9 Level below bells, glands and terminations showing signs of corrosion

Inspection item covered:
6.8 Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)

Image notes:
N/A

C3 **Improvement recommended**

Item No.: 6

Reference: Certificate Inspection (No: 7.2)

Observation:
DB 1 circuit 7, porch light, no support in ceramic rose for flex

Inspection item covered:
7.2 Cables correctly supported throughout their run (521.10.202; 522.8.5)

Image notes:
N/A

C2 **Potentially dangerous. Urgent remedial action required**

Item No.: 7

Reference: Certificate Inspection (No: 7.14)

Observation:
DB 1 circuit 9, several lamp holders showing signs of being brittle due to conditions (heat/cold)

Inspection item covered:
7.14 Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)

Image notes:
N/A

C2 **Potentially dangerous. Urgent remedial action required**

Item No.: 8

Reference: Certificate Inspection (No: 7.18)

Observation:
DB 1 circuit 4, corrosion of back box and socket being used as the earth (MI), visible water ingress to socket. When tested it had a dead short.

Inspection item covered:
7.18 Condition of accessories including socket-outlets, switches and joint boxes (651.2)

Image notes:
N/A

Observations Details

C2 **Potentially dangerous. Urgent remedial action required**

Item No.:	Reference:
9	Certificate Inspection (No: 7.19)

Observation:

Outside light above the vestry door has water ingress.

Inspection item covered:

7.19 Suitability of accessories for external influences (512.2)

Image notes:

N/A

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

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 D (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 D.

7. For items classified in Section F 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 thenecessary remedial work immediately.

8. For items classified in Section F as C2 ('Potentially dangerous') the safety of those using the installation may be 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 F 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 F).

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 I of the Report under 'NEXT INSPECTION'.

11. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button market '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 presses, 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.