



*Electrical  
Installation Certificate*

St Andrews Church  
Church Road  
Bebbington  
Wirral  
CH63 3EX

**BARLOWS**

Clifford House, Hampton Heath, Malpas, Cheshire SY14 8LU ☎ 01948822132

ELECTRICAL INSTALLATION CERTIFICATE



This certificate is not valid if the serial number has been defaced or altered

ICN4/0560210

APPROVED CONTRACTOR

### ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZG

Contractor's Reference Number

21815

PART P NUMBER: N/A

#### DETAILS OF THE CLIENT

Client / Address: St Andrews Church, St Andrews Church, Church Road, Bebbington, Wirral

Postcode: CH63 3EX

#### DETAILS OF THE INSTALLATION

Address: St Andrews Church, Church Road, Bebbington, Wirral

Postcode: CH63 3EX

The installation is:

New

Extent of the installation covered by this certificate: Completion of code 1, 2 and 3 recommendations identified in NICEIC electrical condition report:10938314 completed by AJ electrical and the installation of additional socket outlets

An addition

An alteration

#### DESIGN

Details of permitted exceptions appended: N/A

Risk assessment appended: N/A

No. of pages

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): None

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

\*\* (Where there is divided responsibility for the design)

Signature ELECTRONIC SIGNATURE Date 08/10/2015 Name (CAPITALS) TERRY ANDERSON of AJ ELECTRICAL Designer 1

Signature Date 16/10/2017 Name (CAPITALS) CARLTON MATTHEWS \*\* Designer 2

#### CONSTRUCTION

I, being the person responsible for the construction of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I have been responsible is to the best of my knowledge and belief, in accordance with BS 7671, amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3,133.5): None

The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the CONSTRUCTION of the installation:

Signature Date 18/10/2017 Name (CAPITALS) CARLTON MATTHEWS Constructor

#### INSPECTION AND TESTING

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

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

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the INSPECTION AND TESTING of the installation:

Signature Date 18/10/2017 Signature Date 25/10/2017

Name (CAPITALS) CARLTON MATTHEWS Inspector Name (CAPITALS) JOHN HALLMARK Qualified Supervisor†

#### DESIGN, CONSTRUCTION, INSPECTION AND TESTING \*

\* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

Details of permitted exceptions appended: N/A Risk assessment appended: N/A No. of pages

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

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

The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the DESIGN, the CONSTRUCTION and the INSPECTION AND TESTING of the installation:

Reviewed by

Signature Date Signature Date

Name (CAPITALS) Name (CAPITALS) Qualified Supervisor††

† Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.  
†† Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.

Original (to the person ordering the work)

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION			
<b>DESIGN (1)</b>	Organisation † AJ Electrical & Building Services LTD		
Address:	58 Davenport Road Moels Wirral	NICEIC Enrolment No (where appropriate)	15161
	Postcode: CH47 6BB	Branch number: (if applicable)	N/A
<b>DESIGN (2)</b>	Organisation † Barlows UK Ltd		
Address:	Clifford House Hampton Heath Ind Est Hampton Heath Cheshire	NICEIC Enrolment No (where appropriate)	3025939
	Postcode: SY14 8LU	Branch number: (if applicable)	N/A
<b>CONSTRUCTION</b>	Organisation † Barlows UK Ltd		
Address:	Clifford House Hampton Heath Ind Est Hampton Heath Cheshire	NICEIC Enrolment No (Essential Information)	3025939
	Postcode: SY14 8LU	Branch number: (if applicable)	N/A
<b>INSPECTION AND TESTING</b>	Organisation † Barlows UK Ltd		
Address:	Clifford House Hampton Heath Ind Est Hampton Heath Cheshire	NICEIC Enrolment No (where appropriate)	3025939
	Postcode: SY14 8LU	Branch number: (if applicable)	N/A

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS				Tick boxes and enter details, as appropriate				† Characteristics of Primary Supply Overcurrent Protective Device(s)		
System Type(s)	Number and Type of Live Conductors			Nature of Supply Parameters						
TN-S ✓	a.c. ✓	d.c.	N/A	Nominal Voltage(s), U <sub>n</sub> <sup>(1)</sup>	N/A	V	U <sub>e</sub> <sup>(1)</sup>	230	V	BS(IEN) 1361 Fuse HBC
TN-C-S N/A	1-phase (2 wire) N/A	1-phase (3 wire) N/A	2-pole N/A	Nominal frequency, f <sup>(1)</sup>	50	Hz	Notes: (1) by enquiry or by measurement			
TN-C N/A	2-phase (3 wire) N/A	3-pole N/A	3-pole N/A	Prospective fault current, I <sub>p</sub> <sup>(2)</sup>	2.3	kA	(2) where more than one supply, record the higher or highest value			
TT N/A	3-phase (3 wire) N/A	3-phase (4 wire) ✓	other N/A	External earth fault loop impedance, Z <sub>e</sub> <sup>(2)(3)</sup>	0.18	Ω	(3) where more than one supply, record the higher or highest value			
IT N/A	Other N/A			Number of sources	1		Type 2B		Rated current 100 A	
							Short-circuit capacity 31.5 kA		Confirmation of supply polarity ✓	

PARTICULARS OF INSTALLATION AT THE ORIGIN				Details of Installation Earth Electrode (where applicable)			
Means of Earthing	Distributor's Facility: ✓	Type: (eg rods, tape etc) N/A	Location: N/A	Installation earth electrode: N/A	Electrode resistance, R <sub>s</sub> : N/A (Ω)	Method of measurement: N/A	
Main Switch/Switch-Fuse/Circuit-Breaker/RCD				Protective measures against electric shock: ADS			
Type: BS(IEN)	5419	Voltage rating	415 V	Maximum Demand (Load)	120	Amps	
No of Poles	3	Rated current, I <sub>n</sub>	100 A	Earthing and Protective Bonding Conductors			
Supply conductors material	Copper	RCD operating current, I <sub>Δn</sub>	N/A mA	Main protective bonding conductors		Bonding of extraneous-conductive parts	
Supply conductors csa	25 mm <sup>2</sup>	RCD operating time (at I <sub>Δn</sub> )	N/A ms	Conductor material	Copper	Water installation pipes	✓ Lightning protection ✓
		Rated delay *	N/A ms	Conductor csa	16 mm <sup>2</sup>	Oil installation pipes	N/A Structural steel N/A
				Continuity/connection verified	✓	Gas installation pipes	✓ Other N/A

**COMMENTS ON EXISTING INSTALLATION**  
In the case of an alteration or additions see Section 633 None  
Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation.

**NEXT INSPECTION \*\***  
Interval in terms of years, months or weeks, as appropriate  
If/We the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than 5 Years

\*\* 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, and the period should be agreed between the designer, installer and other relevant parties.  
† Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the Particulars of the Organisation(s) responsible for the Electrical Installation may be recorded only in the section entitled 'CONSTRUCTION'  
‡ Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

**SCHEDULE OF ITEMS INSPECTED**

† See note below

<b>1.0</b>	<b>CONDITION OF ELECTRICAL INTAKE EQUIPMENT</b>	
	(the Distributor should be notified of any unsatisfactory equipment)	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Distributor's earthing arrangement	✓
1.4	Meter tails - Distributor/Consumer	✓
1.5	Metering equipment	✓
1.6	Isolator	N/A
<b>2.0</b>	<b>PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY</b>	
2.1	Presence of adequate arrangements where generator to operate as a switched alternative	
a)	Dedicated earthing arrangement independent of that of the public supply	N/A
2.2	Presence of adequate arrangements where generator to operate in parallel with public supply system	
a)	Correct connection of generator in parallel	N/A
b)	Compatibility of characteristics of means of generation	N/A
c)	Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values	N/A
d)	Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values	N/A
e)	Means to isolate generator from the public supply system	N/A
2.3	Presence of alternative/additional supply warning notices at:	
a)	The origin	N/A
b)	The meter position, if remote from origin	N/A
c)	The consumer unit/distribution board to which the alternative/additional sources are connected	N/A
d)	All points of isolation of ALL sources of supply	N/A
<b>3.0</b>	<b>AUTOMATIC DISCONNECTION OF SUPPLY</b>	
3.1	Presence and adequacy of protective earthing/ bonding arrangements as follows:	
a)	Distributor's earthing arrangement or installation earth electrode arrangement	✓
b)	Earthing conductor and connections	✓
c)	Main protective bonding conductors and connections	✓
d)	Earthing/bonding labels at all appropriate locations	✓
3.2	Accessibility of:	
a)	Earthing conductor connections	✓
b)	All protective bonding connections	✓
3.3	FELV - requirements satisfied	✓
3.4	Reduced low voltage - requirements satisfied	✓
<b>4.0</b>	<b>BASIC PROTECTION</b>	
4.1	Presence and adequacy of protective measures to provide basic protection	
a)	Insulation of live parts	✓
b)	Barriers or enclosures	✓
c)	Obstacles**	N/A
d)	Placing out of reach**	N/A
<b>5.0</b>	<b>ADDITIONAL PROTECTION</b>	
5.1	The presence and effectiveness of additional protection methods used, as follows:	
a)	RCDs not exceeding 30 mA operating current	✓
b)	Supplementary bonding	N/A

<b>6.0</b>	<b>OTHER METHODS OF PROTECTION</b>	
	(insert location in box provided)	
	The presence and effectiveness of other methods of protection against electric shock where used, as follows:	
6.1	Basic and fault protection	LOCATION
a)	SELV	N/A
b)	PELV	N/A
c)	Double insulation/Reinforced insulation	N/A
d)	Electrical separation for one item of equipment	N/A
6.2	Fault protection	
a)	Non-conducting location/Earth-free local equipotential bonding**	N/A
b)	Electrical separation for more than one item of equipment**	N/A
<b>7.0</b>	<b>DISTRIBUTION EQUIPMENT</b>	
7.1	Adequacy of working space/accessibility	✓
7.2	Security of fixing	✓
7.3	Insulation of live parts not damaged during erection	✓
7.4	Adequacy / security of barriers	✓
7.5	Suitability of enclosures for IP and fire ratings	✓
7.6	Enclosures not damaged during installation	✓
7.7	Presence and effectiveness of obstacles	✓
7.8	Presence of main switch(es), linked where required	✓
7.9	Operation of main switch(es) (functional check)	✓
7.10	Operation of circuit-breakers and RCDs to prove functionality	✓
7.11	RCD(s) provided for fault protection, where specified	N/A
7.12	RCD(s) provided for protection against fire	N/A
7.13	RCD(s) provided for additional protection, where specified	✓
7.14	Confirmation overvoltage protection (SPDs) provided where specified	N/A
7.15	Confirmation of indication that SPD is functional	N/A
7.16	Presence of RCD quarterly test notice at or near the origin	✓
7.17	Presence of diagrams, charts or schedules at or near each distribution board, where required	✓
7.18	Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	✓
7.19	Presence of next inspection recommendation label	✓
7.20	Presence of other required labelling	✓
7.21	Selection of protective device(s) and base(s); correct type and rating	✓
7.22	Single-pole protective devices in line conductor only	✓
7.23	Protection against mechanical damage where cables enter equipment	✓
7.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓
7.25	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓
<b>8.0</b>	<b>CIRCUITS</b>	
8.1	Identification of conductors	✓
8.2	Cables correctly supported throughout their length	✓
8.3	Examination of cables for signs of mechanical damage during installation	✓
8.4	Examination of insulation of live parts, not damaged during erection	✓

\*\* For use in controlled supervised/conditions only

**SCHEDULE OF ITEMS INSPECTED**

† See note below

8.5	Non-sheathed cables protected by enclosure in conduit, ducting or trunking	✓
8.6	Suitability of containment systems (including flexible conduit)	✓
8.7	Correct temperature rating of cable insulation	✓
8.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
8.9	Adequacy of protective devices: type and rated current for fault protection	✓
8.10	Presence and adequacy of circuit protective conductors	✓
8.11	Coordination between conductors and overload protective devices	✓
8.12	Wiring systems and cable installation methods / practices appropriate to the type and nature of installation and external influences	✓
8.13	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	✓
	- installed in prescribed zones	✓
	- incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	✓
8.14	Provision of additional protection by RCDs having rated residual operating current (Δn) not exceeding 30 mA	
	a) for mobile equipment with a current rating not exceeding 32 A for use outdoors	✓
	b) For all socket-outlets of rating 20 A or less, unless exempt	✓
	c) For cables installed in walls/partitions at a depth of less than 50 mm	✓
	d) For cables installed in walls/partitions containing metal parts regardless of depth	✓
8.15	Provision of fire barriers, sealing arrangements so as to minimize the spread of fire	✓
8.16	Band II cables segregated/separated from Band I cables	✓
8.17	Cables segregated/separated from non-electrical services	✓
8.18	Termination of cables at enclosures	
	a) Connections under no undue strain	✓
	b) No basic insulation of a conductor visible outside enclosure	✓
	c) Connections of live conductors adequately enclosed	✓
	d) Adequately connected at point of entry to enclosure (glands, bushes etc.)	✓
8.19	Suitability of circuit accessories for external influences	✓
8.20	Circuit accessories not damaged during erection	✓
8.21	Single-pole devices for switching in line conductor only	✓
8.22	Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment	✓
<b>9.0 ISOLATION AND SWITCHING</b>		
9.1	Isolators	
	a) Presence and location of appropriate devices	✓
	b) Capable of being secured in the OFF position	✓
	c) Correct operation verified (functional check)	✓
	d) The installation, circuit or part thereof that will be isolated is clearly identified by location and/or durable marking	✓
	e) Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N/A
9.2	Switching off for mechanical maintenance	
	a) Presence of appropriate devices	✓
	b) Acceptable location (state if local or remote)	✓
	c) Capable of being secured in the OFF position	✓
	d) Correct operation verified (functional check)	✓
	e) The circuit or part thereof to be disconnected clearly identified by location and/or durable marking	✓
9.3	Emergency switching/stopping	
	a) Presence of appropriate devices	✓
	b) Readily accessible for operation where danger might occur	✓
	c) Correct operation verified (functional check)	✓
	d) The installation, circuit or part thereof to be disconnected, clearly identified by location and/or durable marking	✓
9.4	Functional switching	
	a) Presence of appropriate devices	✓
	b) Correct operation verified (functional check)	✓
<b>10.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)</b>		
10.1	Suitability of equipment in terms of IP and fire ratings	✓
10.2	Enclosure not damaged/deteriorated during installation so as to impair safety	✓
10.3	Suitability for the environment and external influences	✓
10.4	Security of fixing	✓
10.5	Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire	✓
10.6	Recessed luminaires (downlighters)	
	a) Correct type of lamps fitted	N/A
	b) Installed to minimise build-up of heat	N/A
10.7	Provision of undervoltage protection, where specified	N/A
10.8	Provision of overload protection, where specified	N/A
10.9	Adequacy of working space/accessibility to equipment	N/A
<b>11.0 SPECIAL INSTALLATIONS OR LOCATIONS</b>		
	List below any Special Installations or Locations which are part of the installation to be verified, and confirm that the additional requirements given in the respective section of Part 7 are fulfilled.	
<b>12.0 OTHER</b>		

† All boxes must be completed. ✓ indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

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

This certificate is based on the model shown in Appendix 6 of BS7671  
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## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (It's the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	At the origin	Supply to distribution boards from:	Connected to Main Electrical Supply	No of phases:	3	Nominal voltage:	415 V
Distribution board designation:	DB1	Overcurrent protective device for the distribution circuit:		Associated RCD (if any):	BS(EN) N/A	RCD No of poles:	N/A
		Type: BS(EN)	N/A	Rating:	N/A A	I <sub>Δn</sub>	N/A mA

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD Operating current, I <sub>Δn</sub> (mA)	Maximum I <sub>b</sub> permitted by BS 7671 (A)	
					Live	cpc		BS (EN)		Type	Rating (A)			Short-circuit capacity (kA)
					(mm <sup>2</sup> )	(mm <sup>2</sup> )								
1/L1	Submain to DB2, Heritage area	D	C	1	16	10	5.0	88 Fuse HRC	gG	63	40	N/A	0.62	
1/L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	
1/L3	Submain to DB3, Vestry	H	C	1	16	MICC	5.0	88 Fuse HRC	gG	63	40	N/A	0.62	
2/L1	Submain to DB6, Boiler Room	H	C	1	6	MICC	5.0	88 Fuse HRC	gG	32	40	N/A	1.39	
2/L2	Submain to DB4, Kitchen	F	C	1	16	MICC	5.0	88 Fuse HRC	gG	16	40	N/A	3.17	
2/L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	

\* See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								D (Other - please state)
A	B	C	D	E	F	G	H	
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

\* In each case, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.  
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See next page for Schedule of Test Results





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## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	Heritage area	Supply to distribution board is from:	DB1 circuit 1/L1	No of phases:	1	Nominal voltage:	230 V
Distribution board designation:	DB2	Overcurrent protective device for the distribution circuit:	Type: BS 88 Fuse HRC gG(General)	Rating:	63 A	Associated RCD (if any): BS(EN)	N/A
				RCD No of poles:	N/A	I <sub>Δn</sub>	N/A mA

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method †	Number of points served	Circuit conductors csa			Overcurrent protective devices					RCD	Maximum Z <sub>s</sub> permitted by BS 7671 (Ω)
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Max. disconnection time permitted by BS 7671 (s)	BS (EN)						
								Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I <sub>Δn</sub> (mA)			
1/L1	Lights outside plus inside light south porch	H	C	9	1.5	1.0	0.4	60898 MCB	B	10	6	30	3.49	
2/L1	Lights north side porch	H	C	3	1.5	MICC	0.4	60898 MCB	B	6	6	30	5.82	
3/L1	Lights outer aisle left hand side	H	C	11	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
4/L1	Lights centre aisle left hand side	H	C	7	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
5/L1	Convactor heater outlets	H	C	6	1.5	MICC	0.4	60898 MCB	B	16	6	30	2.18	
6/L1	South west sockets	O	C	10	2x2.5	2x1.5	0.4	60898 MCB	B	32	6	30	1.08	
7/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	
8/L1	Lights chancel	H	C	6	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
9/L1	Lights fielden chapel plus outer aisle right hand	H	C	21	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
10/L1	Lights chancel low down	H	C	2	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
11/L1	Lights centre aisle right hand side	H	C	7	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49	
12/L1	Socket below , computer socket , light in	A	C	3	1.5	1.5	0.4	60898 MCB	B	16	6	30	2.18	
13/L1	North west sockets	O	C	18	2x2.5	2x1.5	0.4	60898 MCB	B	32	6	30	1.08	
14/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	
15/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	
16/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	

† See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								D (Other - please state)	
A	B	C	D	E	F	G	H		
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	FP200	

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.

See next page for Schedule of Test Results





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### SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION						TEST RESULTS				
Characteristics at this distribution board						Test instruments (serial numbers) used:				
Confirmation of supply polarity						Earth fault loop impedance	N/A	RCD	N/A	
Yes						Insulation resistance	N/A	Multi-function	3-188CM	
* See note below						Continuity	N/A	Other	N/A	
Z <sub>s</sub>	0.20	Ω	Operating times of associated RCD (if any)	At I <sub>Δn</sub>	N/A	ms				
I <sub>w</sub>	1.20	kA		At 5I <sub>Δn</sub>	N/A	ms				
Phase sequence confirmed (where appropriate)										

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z <sub>s</sub>	RCD operating times		Test button operation
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral	Line/Earth †	Neutral/Earth			at I <sub>Δn</sub>	at 5I <sub>Δn</sub> (if applicable)	
	R <sub>1</sub> (Line)	R <sub>n</sub> (Neutral)	R <sub>2</sub> (cpc)	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)	
1/L1	N/A	N/A	N/A	0.22	N/A	N/A	3	3	3	✓	0.22	27	12	✓
2/L1	N/A	N/A	N/A	0.41	N/A	N/A	2	2	2	✓	0.61	27	12	✓
3/L1	N/A	N/A	N/A	1.63	N/A	N/A	5	5	5	✓	1.83	27	12	✓
4/L1	N/A	N/A	N/A	0.66	N/A	N/A	99.9	99.9	99.9	✓	0.86	27	12	✓
5/L1	N/A	N/A	N/A	1.01	N/A	N/A	2	2	2	✓	1.21	27	12	✓
6/L1	0.54	0.54	0.41	0.23	N/A	N/A	99.9	99.9	99.9	✓	0.43	27	12	✓
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	N/A	N/A	N/A	1.32	N/A	N/A	99.9	99.9	99.9	✓	1.52	26	14	✓
9/L1	N/A	N/A	N/A	2.53	N/A	N/A	99.9	99.9	99.9	✓	2.73	26	14	✓
10/L1	N/A	N/A	N/A	0.83	N/A	N/A	99.9	99.9	99.9	✓	1.03	26	14	✓
11/L1	N/A	N/A	N/A	0.78	N/A	N/A	99.9	99.9	99.9	✓	0.98	26	14	✓
12/L1	N/A	N/A	N/A	0.03	N/A	N/A	99.9	99.9	99.9	✓	0.23	26	14	✓
13/L1	0.39	0.39	0.33	0.18	N/A	N/A	99.9	99.9	99.9	✓	0.38	26	14	✓
14/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY  
 Signature: Position: Electrical Engineer  
 Name: (CAPITALS) CARLTON MATTHEWS Date of testing: 18/10/2017

See previous page for Schedule of Circuit Details



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ICN4/0560210

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	Vestry	Supply to distribution board is from:	DB1 circuit 1/L3	No of phases:	1	Nominal voltage:	230 V
Distribution board designation:	DB3	Overcurrent protective device for the distribution circuit:		Associated RCD (if any):	BS(EN) N/A	RCD No of poles:	N/A
		Type: BS(EN)	BS 88 Fuse HRC gG(General)	Rating:	63 A	Isn	N/A mA

Original (To the person ordering the work)

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↑	Number of points served	Circuit conductors csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD		
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS(EN)		Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I <sub>an</sub> (mA)	Maximum Z <sub>s</sub> permitted by BS 7671 (Ω)
								60898	MCB					
1/L3	Organ Vestry	H	C	1	1.5	MICC	0.4	60898	MCB	B	16	6	30	2.18
2/L3	Lights Vestry	H	C	5	1.5	MICC	0.4	60898	MCB	B	6	6	30	5.82
3/L3	Sockets Vestry	H	C	1	2.5	MICC	0.4	60898	MCB	B	16	6	30	2.18
4/L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	Sockets Registry	H	C	1	1.5	MICC	0.4	60898	MCB	B	16	6	30	2.18
7/L3	Heater Chapel	H	C	6	2.5	MICC	0.4	60898	MCB	B	16	6	30	2.18
8/L3	Q/S light	H	C	1	1.5	MICC	0.4	60898	MCB	B	6	6	30	5.82
9/L3	Heater Registry	H	C	1	2.5	MICC	0.4	60898	MCB	B	16	6	30	2.18
10/L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-

↑ See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING							
A	B	C	D	E	F	G	H
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
O (Other - please state)							
N/A							

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.

See next page for  
Schedule of Test Results



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ICN4/0560210


### SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION		TEST INSTRUMENTS (SERIAL NUMBERS) USED:			
Characteristics at this distribution board					
Confirmation of supply polarity					
* See note below					
Z <sub>s</sub> 0.19	Ω	Operating times of associated RCD (if any)	At I <sub>Δn</sub>	N/A	ms
I <sub>nt</sub> 1.26	kA		At 5I <sub>Δn</sub>	N/A	ms
Phase sequence confirmed (where appropriate)					
Earth fault loop impedance	N/A	RCD	N/A		
Insulation resistance	N/A	Multi-function	3-188CM		
Continuity	N/A	Other	N/A		

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z <sub>s</sub>	RCD operating times		Test button operation	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral	Line/Earth †	Neutral/Earth			at I <sub>Δn</sub>	at 5I <sub>Δn</sub> (if applicable)		
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (Spec)	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)		
1/L3	N/A	N/A	N/A	0.05	N/A	N/A	2	2	2	✓	0.24	28	8	✓	
2/L3	N/A	N/A	N/A	0.43	N/A	N/A	2	2	2	✓	0.62	28	8	✓	
3/L3	N/A	N/A	N/A	0.23	N/A	N/A	2	2	2	✓	0.42	28	8	✓	
4/L3	-	-	-	-	-	-	-	-	-		-	-	-		
5/L3	-	-	-	-	-	-	-	-	-		-	-	-		
6/L3	N/A	N/A	N/A	0.33	N/A	N/A	1.5	1.5	1.5	✓	0.52	27	10	✓	
7/L3	N/A	N/A	N/A	0.31	N/A	N/A	99.9	99.9	1.5	✓	0.50	27	10	✓	
8/L3	N/A	N/A	N/A	1.01	N/A	N/A	1.5	1.5	1.5	✓	1.20	27	10	✓	
9/L3	N/A	N/A	N/A	0.29	N/A	N/A	20	20	1.5	✓	0.58	27	10	✓	
10/L3	-	-	-	-	-	-	-	-	-		-	-	-		

\* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY	
Signature: 	Position: Electrical Engineer
Name: (CAPITALS) CARLTON MATTHEWS	Date of testing: 18/10/2017

See previous page for Schedule of Circuit Details



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ICN4/0560210

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	Kitchen	Supply to distribution board is from:	DB1 circuit 2/L2	No of phases:	1	Nominal voltage:	230 V
Distribution board designation:	DB4	Overcurrent protective device for the distribution circuit:	Type: BS (EN) BS 88 Fuse HRC pGI(General)	Rating:	16 A	Associated RCD (if any): BS (EN) N/A	RCD No of poles: N/A
						$I_{\Delta n}$	N/A mA

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit conductors csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD Maximum $Z_s$ permitted by BS 7671 (Ω)	
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)		Operating current, $I_{\Delta n}$ (mA)
1/L2	PA system	H	C	8	2.5	MICC	0.4	60898 MCB	B	16	6	30	2.18
2/L2	Sockets Kitchen	H	C	5	2.5	MICC	0.4	60898 MCB	B	32	6	30	1.08
3/L2	Water heater	H	C	1	2.5	MICC	0.4	60898 MCB	B	16	6	30	2.18
4/L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Lights kitchen & toilet	H	C	6	1.5	MICC	0.4	60898 MCB	B	10	6	30	3.49
7/L2	Submain to DB5, Belfry	H	C	1	2.5	MICC	5.0	60898 MCB	B	20	6	30	1.74
8/L2	Sockets creche	H	C	4	2.5	MICC	0.4	60898 MCB	B	32	6	30	1.08
9/L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-

↑ See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic 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

Page 11 of 16

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.

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ICN4/0560210

## SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

Original (To the person ordering the work)

TEST RESULTS					
<b>TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</b> Characteristics at this distribution board Confirmation of supply polarity * See note below Z <sub>s</sub> 0.20 Ω Operating times At I <sub>Δn</sub> N/A ms I <sub>pr</sub> 1.20 kA RCD (if any) At 5I <sub>Δn</sub> N/A ms Phase sequence confirmed (where appropriate)			Test instruments (serial numbers) used: Earth fault loop impedance N/A RCD N/A Insulation resistance N/A Multi-function 3-188CM Continuity N/A Other N/A		

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating times		Test button operation
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral	Line/Earth †	Neutral/Earth			at I <sub>Δn</sub>	at 5I <sub>Δn</sub> (if applicable)	
	r <sub>1</sub> (Line)	r <sub>2</sub> (Neutral)	r <sub>3</sub> (CPC)	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)	
1/L2	N/A	N/A	N/A	0.75	N/A	N/A	99.9	99.9	99.9	✓	0.98	54	22	✓
2/L2	0.24	0.24	0.24	0.12	N/A	N/A	16	16	16	✓	0.31	54	22	✓
3/L2	N/A	N/A	N/A	0.13	N/A	N/A	99.9	99.9	99.9	✓	0.32	54	22	✓
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	0.39	N/A	N/A	5	5	6	-	0.62	54	11	✓
7/L2	N/A	N/A	N/A	0.30	N/A	N/A	99.9	99.9	99.9	✓	0.48	54	11	✓
8/L2	0.12	0.12	0.12	0.06	N/A	N/A	99.9	99.9	99.9	✓	0.24	54	11	✓
9/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:	Position: Electrical Engineer
Name: (CAPITALS) CARLTON MATTHEWS	Date of testing: 18/10/2017

See previous page for Schedule of Circuit Details



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ICN4/0560210

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

CIRCUIT DETAILS table with columns: TO BE COMPLETED IN EVERY CASE, TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION\*

Original (To the person ordering the work)

Main Schedule of Circuit Details table with columns: Circuit number and line, Circuit designation, Type of wiring, Reference method, Number of points served, Circuit conductors (csa), Overcurrent protective devices, RCD.

↑ See Table 4A2 of Appendix 4 of BS 7671

Table with title: CODES FOR TYPE OF WIRING, listing codes A through H for different cable types.

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules. This certificate is based on the model shown in Appendix 6 of BS7671. Published by Certsure LLP. Certsure LLP operates the ELECSA & NICEIC brands. © Copyright Certsure LLP (January 2015)





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### SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION		TEST RESULTS			
Characteristics at this distribution board		Test instruments (serial numbers) used:			
Yes Confirmation of supply polarity <i>* See note below</i> Z <sub>s</sub> 0.48 Ω Operating times At I <sub>Δn</sub> 54 ms I <sub>pr</sub> 0.50 kA RCD (if any) At 5I <sub>Δn</sub> 11 ms Phase sequence confirmed (where appropriate)		Earth fault loop impedance	N/A	RCD	N/A
		Insulation resistance	N/A	Multi-function	3-188CM
		Continuity	N/A	Other	N/A

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity (✓)	Maximum measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating times		Test button operation (✓)
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth †			at I <sub>Δn</sub>	at 5I <sub>Δn</sub> (if applicable)	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	R <sub>1</sub> + R <sub>2</sub>	R <sub>2</sub>	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)	
	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(MΩ)			(ms)	(ms)	
1	N/A	N/A	N/A	0.18	N/A	N/A	18	18	18	✓	0.66	54	11	✓
2	N/A	N/A	N/A	0.09	N/A	N/A	5	5	5	✓	0.57	54	11	✓
3	N/A	N/A	N/A	0.14	N/A	N/A	4	4	4	✓	0.62	54	11	✓

\* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

<b>TESTED BY</b> Signature: Name: (CAPITALS) CARLTON MATTHEWS	Position: Electrical Engineer Date of testing: 18/10/2017
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See previous page for Schedule of Circuit Details



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ICN4/0560210

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

Original (To the person ordering the work)

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*					
Location of distribution board:	Boiler room	Supply to distribution board is from:	DB1 circuit 2/L1	No of phases:	1	Nominal voltage:	230 V
Distribution board designation:	DB6	Overcurrent protective device for the distribution circuit:	Type: BS 88 Fuse HRC gG(General)	Rating:	32 A	Associated RCD (if any): BS(EN)	N/A
				RCD No of poles:	N/A	I <sub>Δn</sub>	N/A mA

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method †	Number of points served	Circuit conductors csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD Operating current, I <sub>Δn</sub> (mA)	Maximum Z permitted by BS 7671 (Ω)
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)	Short circuit capacity (kA)		
1/L1	Socket & sump pump	H	C	2	2.5	MICC	0.4	61009 RCBO	B	16	6	30	2.18
2/L1	Lights boiler room	H	C	2	1.5	MICC	0.4	60898 MCB	B	6	6	N/A	5.82
3/L1	Boiler	H	C	1	1.5	MICC	0.4	60898 MCB	B	10	6	N/A	3.49
4/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-

† See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								O (Other - please state)
A	B	C	D	E	F	G	H	
Thermoplastic insulated 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

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.

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