



ELECTRICAL INSTALLATION CERTIFICATE

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

part P No: N/a

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 007632000 Branch No\*:
Trading Title: Sherwoods (SW) LTD
Address: Unit 3, Vander House, Brunel Road, Newton Abbot, Devon
Postcode: TQ12 4YQ Tel No: 0330 390 2058

DETAILS OF THE CLIENT

Contractor Reference Number (CRN): ELQ47311
Name: 26 Victoria Parade
Address: 26 Victoria Parade, Torquay, Devon
Postcode: TQ1 2BD Tel No:

DETAILS OF THE INSTALLATION

Occupier: 26 Victoria Parade
Address: 26 Victoria Parade, Torquay, Devon
Postcode: TQ1 2BD Tel No:

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

Date works completed: 07/07/2020

The installation is -

New: [ ]

An addition: [x]

An alteration: [x]

Replacement of a distribution board: [ ]

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

Description and extent of the installation covered by this certificate:

Circuits affected Remedial Works following EICR (IPR18-214224) All corrected faults are listed in additional notes. circuits not found have been disconnected made safe.

PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION

I/We, being the designer(s) of the electrical installation as documented in PART 4, RECOMMEND that this installation is further inspected and tested after an interval of not more than:

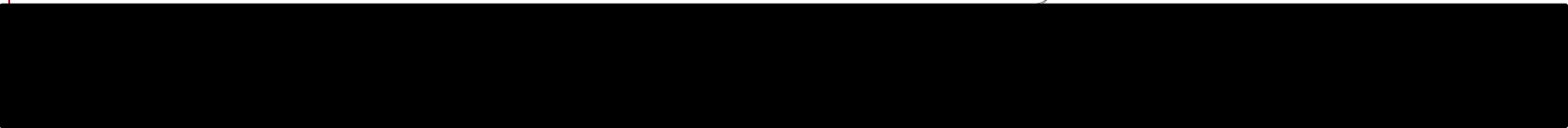
5 years\*\*

PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (this option may be used where the design, construction, inspection & testing have been the responsibility of one person)

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

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2018, amended to N/A (date) except for the departures, if any, detailed on attached page(s) (Regulations 120.3, 133.1.3 and 133.5).

Permitted exception applied (411.3.3): N/A Risk assessment attached: [ ] Page No(s) ( ) Where selectivity is required, details of the verification appended (536.4): [ ] Page No(s) ( )



\*Where applicable \*\* The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.



Original (to the person ordering the work)



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

232043

ICR18

# ELECTRICAL INSTALLATION CERTIFICATE

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

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

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

I/We being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671: 2018, amended to .....(date) except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3, 133.1.3 and 133.5).

Permitted exception applied (411.3.3): Risk assessment attached:  Page No(s) (.....) Where selectivity is required, details of the verification appended (536.4):  Page No(s) (.....)

DESIGNER 1 Name (capitals):..... Signature:..... Date: .....

DESIGNER 2 (where there is divided responsibility for design) Name (capitals):..... Signature:..... Date: .....

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

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

Name (capitals):..... Signature:..... Date: .....

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

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

Name (capitals):..... Signature:..... Date: .....

### REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals):..... Signature:..... Date: .....

## PART 5 : COMMENTS ON THE EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2)

Installation is now in a satisfactory condition following these works.

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

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).

Original (to the person ordering the work)

## ELECTRICAL INSTALLATION CERTIFICATE

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### PART 6 : DETAILS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION (signatures of which are in PART 4)

DESIGN, CONSTRUCTION, INSPECTION & TESTING	DESIGN DESIGNER 1	DESIGNER 2	CONSTRUCTION	INSPECTION & TESTING
Organisation: Sherwoods (SW) LTD	Organisation:	Organisation:	Organisation:	Organisation:
Registration No*: 007632000	Registration No*:	Registration No*:	Registration No*:	Registration No*:
Branch No*:	Branch No*:	Branch No*:	Branch No*:	Branch No*:
Address: Unit 3, Vander House, Brunel Road, Newton Abbot, Devon	Address:	Address:	Address:	Address:
Postcode: TQ12 4YQ	Postcode:	Postcode:	Postcode:	Postcode:
Tel No: 0330 390 2058	Tel No:	Tel No:	Tel No:	Tel No:

### PART 7 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements	Number and type of live conductors	Nature of supply parameters
TN-C-S: <input checked="" type="checkbox"/> TN-S: <input type="checkbox"/> TT: <input type="checkbox"/> Other (state): .....	AC 1-phase, 2-wire: <input type="checkbox"/> 2-phase, 3-wire: <input type="checkbox"/> 3-phase, 3-wire: <input type="checkbox"/> 3-phase, 4-wire: <input checked="" type="checkbox"/> DC 2-wire: <input type="checkbox"/> 3-wire: <input type="checkbox"/> Other (state): (.....) Confirmation of supply polarity: (✓)	Nominal line voltage, $U^{(1)}$ : (400... ) V Nominal line voltage to Earth, $U_0^{(1)}$ : (230... ) V Nominal frequency, $f^{(1)}$ : (50... ) Hz Prospective fault current, $I_{pf}^{(1)**}$ : (4.28... ) kA External loop impedance, $Z_e^{(1)**}$ : (0.11... ) $\Omega$
<b>Supply protective device</b> (BS (EN) NO ACCESS .....) Type: (.....) A      Rated current: (.....) A	Other sources of supply: (as detailed on attached schedule)      Page No: (.....)	<i>(1) By enquiry, measurement, or by calculation</i>

### PART 8 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Means of Earthing	Main protective conductors	Main protective bonding connections	Main switch / Switch-fuse / Circuit-breaker / RCD
Maximum demand (load): (100... ) A Distributor's facility: (✓) Installation earth electrode: (N/A)	Earthing conductor: (material Copper ..... csa 90 ..... mm <sup>2</sup> ) Connection / continuity verified: <input checked="" type="checkbox"/>	Water installation pipes: ( ) Gas installation pipes: (N/A) Structural steel: (✓) Oil installation pipes: (N/A) Lightning protection: (✓) Other (state) :	Type: (BS (EN) BS EN 60947-2 MCCB .....) Location: (GROUND FLOOR .....) No. of poles: (3 .....) Current rating: (400... ) A Voltage rating: (600... ) V Rating / setting of device: (.....) A
<b>Where an earth electrode is used insert</b> Type - rod(s), tape, etc: (.....) Location: (.....) Electrode resistance to Earth: (.....) $\Omega$ time delay: (.....) ms	Main protective bonding conductors: (material Copper ..... csa 50 ..... mm <sup>2</sup> ) Connection / continuity verified:	<b>Where an RCD is used as the main switch</b> RCD rated residual operating current, $I_{\Delta n}$ : (.....) mA <input checked="" type="checkbox"/> Measured operating time: (.....) ms      Rated	

\*Where applicable

\*\*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current,  $I_{pf}$ , and external earth fault loop impedance,  $Z_e$ , must be recorded.

## ELECTRICAL INSTALLATION CERTIFICATE

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### PART 9 : SCHEDULE OF ITEMS INSPECTED - continues on next page

<b>1. External condition of electrical intake equipment (visual inspection only)</b> ✓		3.3 FELV – requirements satisfied: ( N/A)	7.15 Indication of SPD(s) continued functionality confirmed: ( N/A)	
1.1 Service cable: ( ✓ )	1.2 Service head: ( ✓ )	3.4 Reduced low voltage – requirements satisfied: ( N/A)	7.16 Selection of protective devices(s) and base(s); correct type and rating: ( ✓ )	
1.3 Earthing arrangement: ( )	1.4 Meter tails: ( )	<b>4. Additional protection</b>		
1.5 Metering equipment: ( )	1.6 Isolator (where present): ( )	4.1 The presence and effectiveness of additional protection methods used, as follows:	7.17 Single-pole protective devices in line conductors only: ( ✓ )	
<b>2. Parallel or switched alternative sources of supply</b>		a) RCDs not exceeding 30 mA operating current, as specified ( ✓ )	7.18 Protection against mechanical damage where cables enter equipment: ( ✓ )	
2.1 Presence of adequate arrangements where generator to operate as a switched alternative:		b) Supplementary bonding ( N/A)	7.19 Protection against electromagnetic effects where cables enter ferromagnetic enclosures: ( )	
a) Dedicated earthing arrangement independent of that of the public supply ( N/A)		<b>5. Basic protection</b> (‡ For use in controlled / supervised conditions only)		
2.2 Presence of adequate arrangements where generator to operate in parallel with public supply:		5.1 Presence and adequacy of protective measures to provide basic protection:	7.20 Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure: ( ✓ )	
a) Correct connection of generator in parallel ( N/A)		a) Insulation of live parts ( ✓ )	7.21 Presence of RCD six-monthly test notice, where required: ( ✓ )	
b) Compatibility of characteristics of means of generation ( N/A)		b) Barriers or enclosures ( )	7.22 Presence of diagrams, charts or schedules at or near each distribution board, where required: ( ✓ )	
c) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values ( N/A)		c) Obstacles ‡ ( N/A)	7.23 Presence of next inspection recommendation label: ( )	
d) Means to prevent connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values ( N/A)		d) Placing out of reach ‡ ( N/A)	7.24 Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required: ( )	
<del>e) Means to isolate generator from public supply ( N/A)</del>		<b>6. Basic and fault protection</b>		
2.3 Presence of alternative / additional supply warning notices at or near:		a) SELV ( N/A)	7.25 Presence of other required labelling: ( )	
a) The origin ( N/A)		b) PELV ( N/A)	<b>8. Circuits</b>	
b) The meter position, if remote from origin ( N/A)		c) Double or reinforced insulation ( N/A)	8.1 Identification of conductors: ( )	
c) The consumer unit / distribution board to which the alternative / additional sources are connected ( N/A)		<i>When used, provide details on a separate numbered page: Page No ( )</i>		8.2 Cables correctly supported throughout, with protection against abrasion: ( N/A)
d) All points of isolation of ALL sources of supply ( N/A)		<b>7. Distribution equipment</b>		8.3 Examination of cables for signs of mechanical damage during installation: ( N/A)
<b>3. Automatic disconnection of supply</b>		7.1 Adequacy of working space / accessibility: ( )	8.4 Examination of installation of live parts, not damaged during erection: ( )	
3.1 Presence and adequacy of protective earthing / bonding arrangements as follows: ✓		7.2 Security of fixing: ( )	8.5 Non-sheathed cables protected by enclosure in conduit, ducting or trunking: ( N/A)	
a) Distributor's earthing arrangement or installation ✓		7.3 Insulation of live parts not damaged during erection: ( )	8.6 Suitability of containment systems (including flexible conduit): ( ✓ )	
		7.4 Adequacy / security of barriers: ( )		
		7.5 Suitability of enclosures for IP and fire ratings: ( N/A)		
		7.6 Enclosures not damaged during installation: ( N/A)		
		7.7 Presence and effectiveness of obstacles: ( N/A)		
		7.8 Presence and operation (functional) check of main switch(es): ( N/A)		
		7.9 Components are suitable according to assembly manufacturer's instructions or literature: ( ✓ )		
		7.10 Operation of circuit-breakers and RCDs to prove functionality: ( )		
		7.11 RCD(s) provided for fault protection, where specified: ( )		
		7.12 RCD(s) provided for protection against fire, where specified: ( N/A)		
		7.13 RCD(s) provided for additional protection, where specified: ( ✓ )		
		7.14 Confirmation overvoltage protection (SPDs) provided, where specified: ( N/A)		
			elect rode arrangement ( ✓ )	
			h: b) Earthing conductor and connections ( )	
			elect c) Main protective bonding conductors and connections ( )	

- 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 fault current rating for fault protection: ( )
  - d) Earthing / bonding labels at all appropriate locations ( )
- 3.2 Accessibility of:
  - a) Earthing conductor connections ( )
  - b) All protective bonding connections ( )

- ✓
- ✓
- ✓


- 8.10 Adequacy of AFDD(s), where specified: ( N/A)
- 8.11 Presence and adequacy of circuit protective conductors: ( )
- 8.12 Coordination between conductors and overload protective devices: ( )

Original (to the person ordering the work)

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**PART 9 : SCHEDULE OF ITEMS INSPECTED**

8.13 Wiring systems and cable installation methods / practices appropriate to the type and nature of installation and external influences: ( ✓ )	8.24 Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment: ( ✓ )	<b>10. Current-using equipment (permanently connected)</b>
8.14 Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage: ( ✓ )	<b>9. Isolation and switching</b>	10.1 Suitability of equipment in terms of IP and fire ratings: ( ✓ )
8.15 Cables installed in walls / partitions, installed in prescribed zones: ( N/A )	9.1 Isolators:	10.2 Enclosure not damaged / deteriorated during installation so as to impair safety: ( ✓ )
8.16 Provision of additional protection by RCDs having rated residual operating current (IΔn ) not exceeding 30 mA:	a) Presence and location of appropriate devices ( ✓ )	10.3 Suitability for the environment and external influences: ( ✓ )
a) For all socket-outlets with a rated current not exceeding 32 A or less, unless exempt ( ✓ )	b) Capable of being secured in the OFF position ( ✓ )	10.4 Security of fixing: ( ✓ )
b) For supplies to mobile equipment with a current rating not exceeding 32 A for use outdoors ( ✓ )	c) Correct operation verified (functional check) ( ✓ )	10.5 Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire: ( ✓ )
c) For cables concealed in walls / partitions at a depth of less than 50 mm ( ✓ )	d) The installation, circuit or part thereof that will be isolated is clearly identified by location and / or durable marking ( ✓ )	10.6 Recessed luminaires (downlighters):
d) For cables concealed in walls / partitions containing metal parts regardless of depth ( ✓ )	e) Warning notice posted in situations where live parts cannot be isolated by the operation of a single device ( N/A )	a) Correct type of lamps fitted ( ✓ )
e) For circuits supplying luminaires within domestic (household) premises only ( ✓ )	9.2 Switching off for mechanical maintenance:	b) Installed to minimise build-up of heat ( ✓ )
8.17 Provision of fire barriers, sealing arrangements so as to minimise the spread of fire: ( N/A )	a) Presence of appropriate devices ( N/A )	10.7 Provision of undervoltage protection, where specified: ( ✓ )
8.18 Band II cables segregated / separated from Band I cables: ( N/A )	b) Acceptable location (local or remote) ( N/A )	10.8 Provision of overload protection, where specified: ( ✓ )
8.19 Cables segregated / separated from non-electrical services: ( N/A )	c) Capable of being secured in the OFF position ( N/A )	10.9 Adequacy of working space / accessibility to equipment: ( ✓ )
8.20 Termination of cables at enclosures:	d) Correct operation verified (functional check) ( N/A )	<b>11. Special installations or locations</b>
a) Connections under no undue strain ( ✓ )	e) The installation, circuit or part thereof to be disconnected clearly identified by location and / or durable marking ( N/A )	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) No basic insulation of a conductor visible outside enclosure ( ✓ )	9.3 Emergency switching / stopping:	..... ( N/A )
c) Connections of live conductors adequately enclosed ( ✓ )	a) Presence of appropriate devices ( N/A )	..... ( N/A )
d) Adequately connected at point of entry to enclosure ( ✓ )	b) Readily accessible for operation where danger might occur ( N/A )	..... ( N/A )
8.21 Suitability of circuit accessories for external influences: ( ✓ )	c) Correct operation verified (functional check) ( N/A )	..... ( N/A )
8.22 Circuit accessories not damaged during erection: ( ✓ )	d) The installation, circuit or part thereof to be disconnected clearly identified by location and / or durable marking ( N/A )	..... ( N/A )
8.23 Single-pole devices for switching or protection in line conductors only: ( ✓ )	e) Firefighter's switches present, where required: ( N/A )	..... ( N/A )
	9.4 Functional switching:	<i>Details must be appended on a separate numbered page (see PART 10 below)</i>
	a) Presence of appropriate devices ( N/A )	<b>SCHEDULE OF ITEMS INSPECTED BY</b>
	b) Correct operation verified (functional check) ( N/A )	

**PART 10 : SCHEDULES AND ADDITIONAL PAGES**

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data	Special installations or locations	Continuation sheets
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Page No(s): (.....4 & 5..... ) Page No(s): (.....6..... ) **sheets for additional sources** (indicated in item 11 above)  
) Page No(s): (.....) Page No(s): (.....) Page No(s): (9,11,13..... )  
*The pages identified are an essential part of this certificate.*

## ELECTRICAL INSTALLATION CERTIFICATE

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### PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	Circuit description	Type of wiring (see Codes)		Number of points served	Conductor		Max. disconnection time (BS 7671)	Protective device			RCD	Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub>	RCD operating time	Test buttons				
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking		(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables		(H) Mineral-insulated cables	(O) other - state	Ring final circuits only		All circuits					Live / Live	Live / Earth	Test voltage DC	RCD	AFDD
		conductor csa			BS (EN)			Type	Rating	Slot-circuit capacity		Operating current, I <sub>an</sub>	Maximum permitted Z <sub>s</sub> for installed protective device*	(measured end to end)		(complete at least one column)									
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		(s)	(A)		(kA)	(mA)	(Ω)		(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)				(MΩ)	(V)	(Ω)	(ms)	
1/L1	SPARE																								
1/L2	SPARE																								
1/L3	SINGLE PHASE BOARD TO THE RIGHT	A	B	1	25	16	5	60947-2 MCCB	100	25	0.44					>999	>999	500	0.22						
2/L1-3	SPARE																								
3/L1-3	SPARE																								
4/L1-3	MCCB BOARD2	F	C	1	35	25	5	60947-2 MCCB	160	25	0.27		0.06			>999	>999	500	0.12						
5/L1-3	SPARE																								
6/L1-3	SPARE																								
7/L1-3	SPARE																								
8/L1-3	SPARE																								

#### DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)

DB designation: MCCB  
 Location of DB: GROD FLOOR NEXT PAYING DESK

TESTED BY Name (capital letters)  
 Signature:

Position: Electrical Engineer  
 Date: 05/06/2020



**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Supply to DB is from: (.....) Nominal voltage: (.....)V No. of phases: (.....)

**Overcurrent protection device for the distribution circuit** Type: (BS EN.....) Rating: (.....)A

**Associated RCD (if any)** Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms

**Characteristics at this DB** Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  $Z_s$  (.....) $\Omega$   $I_{pf}$  (.....)kA

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Multi-function:	Continuity:
(101020395.....)	(.....)
Insulation resistance:	Earth fault loop impedance:
(.....)	(.....)
Earth electrode resistance:	RCD:
(.....)	(.....)

Original (to the person ordering the work)





**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Supply to DB is from: (Main MMCB Panel.....) Nominal voltage: (230.....)V No. of phases: (2.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS\_EN\_60947-2\_MCCB.....) Rating: (80.....)A

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  $Z_s$  (0.22.....) $\Omega$   $I_{pf}$  (1.07.....)kA

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Multi-function:	Continuity:
(101020395.....)	(.....)
Insulation resistance:	Earth fault loop impedance:
(.....)	(.....)
Earth electrode resistance:	RCD:
(.....)	(.....)

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**PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	For Type of wiring	(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Circuit description										RCD	Circuit impedances (Ω)	Insulation resistance	Polarity	Max measured earth fault loop impedance, Zs	RCD operating time	Test buttons										
											conductor csa		Protective device			Operating current, I <sub>an</sub>	Maximum permitted Z <sub>s</sub> for installed protective device*	Ring final circuits only (measured end to end)									All circuits (complete at least one column)		Live / Live	Live / Earth	Test voltage DC	RCD	AFDD				
											Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	BS (EN)	Type	Rating			Short-circuit capacity	(Lin e) <sub>1</sub>	(Neutral) n							(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )						R <sub>2</sub>	(MΩ)	(MΩ)	(V)
1/L1	SPARE																																				
1/L2	SPARE																																				
1/L3	SPARE																																				
2/L1	SPARE																																				
2/L2	TOILET EXTIE AREA LIGHTS	A	B/C	6	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.54	>999	>999	500																	
2/L3	BAR ONE LIGHTS ROW 2	A	B/C	7	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.65	>999	>999	500																	
3/L1	FIRE EXIT MAIN STAIRS	A	B/C	3	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.87	536	459	500																	
3/L2	FIRE EXIT NEAR BAR 2	A	B/C	5	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					1.01	>999	>999	500																	
3/L3	FIRE EXIT NEAR BAR 1	A	B/C	3	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.47	>999	>999	500																	
4/L1	LADIES TOILETS LIGHTS	A	B/C	29	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.16	>999	>999	500																	
4/L2	BAR ONE LIGHTS ROW 1	A	B/C	7	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.54	>999	>999	500																	
4/L3	BAR 2 LIGHTS	A	B/C	6	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.87	>999	>999	500																	
5/L1	GLASS WASH LIGHTS	A	B/C	3	1.5	1.0	0.4	60898 MCB	C	10	10	2.19					0.46	>999	>999	500																	
5/L2	BAR ONE FRONT SOCKETS	A	B/C	6	2.5	1.5	0.4	60898 MCB	C	32	10	30	0.68	0.35	0.35	0.68	0.15	>999	>999	500																	
5/L3	SOCKETS LEFT PILLAR BACK OF CLUB	A	B/C	1	2.5	1.5	0.4	60898 MCB	C	32	10	30	0.68	0.55	0.55	0.63	0.28	>999	>999	500																	
6/L1	SPARE																																				
6/L2	OLD DISHWASHER SUPPLY (DISCONNECT FROM BOARD)	A	B/C	1	2.5	1.5	0.4	60898 MCB	D	32	10	30	0.34																								
6/L3	SOCKETS NEXT TOO BOARD LOW LEVEL	A	B/C	3	2.5	1.5	0.4	60898 MCB	D	32	10	30	0.34	0.16	0.16	0.32	0.09	>999	>999	500																	
7/L1	SPARE																																				

**DISTRIBUTION BOARD (DB) DETAILS**  
(to be completed in every case)

DB designation: DB2  
Location of DB: 1ST FLOOR BEHIND BAR

**TESTED BY** Name (capital letters)  
Signature:

Position: Electrical Engineer  
Date: 04/06/2020

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Supply to DB is from: (MCCB 2.....) Nominal voltage: (400.....)V No. of phases: (3.....) Multi-function: Continuity:  
 (101020395.....) (.....)  
 Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB.....) Rating: (100.....)A Insulation resistance: Earth fault loop impedance:  
 (.....) (.....)  
 Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms Earth electrode resistance: RCD:  
 (.....) (.....)  
 Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  $Z_s$  (0.22.....) $\Omega$   $I_{pf}$  (2.14.....)kA (.....) (.....)

Original (to the person ordering the work)





Supply to DB is from: (MCCB 2.....) Nominal voltage: (400.....)V No. of phases: (3.....) Multi-function: Continuity:  
 (101020395.....) (.....)  
**Overcurrent protection device for the distribution circuit** Type: (BS EN BS EN 60947-2 MCCB.....) Rating: (100.....)A  
 Insulation resistance: Earth fault loop impedance:  
**Associated RCD (if any)** Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms  
 (.....) (.....)  
 Earth electrode resistance: RCD:  
**Characteristics at this DB** Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): True  $Z_s$  (0.22.....) $\Omega$   $I_{pf}$  (2.14.....)kA  
 (.....) (.....)

Original (to the person ordering the work)

.....

## ELECTRICAL INSTALLATION CERTIFICATE

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

### PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	For Type of wiring	(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Circuit description	Circuit		Protective device				RCD		Circuit impedances (Ω)			Insulation resistance			Polarity	Max measured earth fault loop impedance, Zs	RCD operating time	Test buttons			
												conductor csa	Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>an</sub>	Maximum permitted Z <sub>s</sub> for installed protective device*	Ring final circuits only			All circuits		Live / Live				Live / Earth	Test voltage DC	RCD	AFDD
																				(measured end to end)	(complete at least one column)	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)								
												Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	(s)	(A)	(kA)	(mA)	(Ω)	(Lin e) <sub>r1</sub>	(Neutral n)	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)				(V)	(Ω)	(ms)	RCD
1/L1	LIGHTS IN MAIN ROOM	A	C/B	2	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.54	>999	>999	500	0.69												
1/L2	SPURS BEHIND BAR HIGH LEVEL	A	C/B	4	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.37	>999	>999	500	0.64												
1/L3	VIP DOWN LIGHTS	A	C/B	9	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.67	>999	>999	500	1.24												
2/L1	SPARE																															
2/L2	NOT FOUND	A	C/B		1.5	1.0	0.4	60898 MCB	C	10	10	2.19																				
2/L3	SPARE																															
3/L1	VIP DOWN LIGHT S	A	C/B	19	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.98	>999	>999	500	1.33												
3/L2	CIRCLE DOWN LIGHTS	A	C/B	9	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.64	>999	>999	500	0.98												
3/L3	WALL LIGHTS BOOTH	A	C/B	3	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.34	>999	>999	500	0.65												
4/L1	SPARE																															
4/L2	SPARE																															
4/L3	SPARE																															
5/L1	SPARE																															
5/L2	SPARE																															
5/L3	GLASS WASHER ISLOTOR	A	B	1	6.0	2.5	0.4	60898 MCB	C	32	10	0.68				0.09	>999	>999	500	0.26												
6/L1	POWER ON WALL BEIND BAR	A	C/B		1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.37	>999	>999	500	0.61												
6/L2	LIGHTS ABOVE FIRE EXIT	A	C/B	1	1.5	1.0	0.4	60898 MCB	C	10	10	2.19				0.54	>999	>999	500	0.98												
6/L3	SPARE																															
7/L1	SPARE																															
7/L2	POWER ROUND VIP	A	C/B	2	2.5	1.5	0.4	61009 RCD/RCBO	C	16	10	30	1.37				0.35	>999	>999	500	0.83	28.7										
7/L3	BACK BAR SOCKETS	A	C/B	10	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68	0.25	0.25	0.42	0.18	>999	>999	500	0.78	28.9										

**DISTRIBUTION BOARD (DB) DETAILS** (to be completed in every case)

DB designation: DB3 TESTED BY Name (capitals): [REDACTED] Position: Electrical Engineer

Location of DB: VIP AREA IN WASH UP AREA Signature: [REDACTED] Date: 05/06/2020

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

TEST INSTRUMENTS



(enter serial number against each instrument used)

Supply to DB is from: (MCCB PANNAL 2 ..... ) Nominal voltage: (400.....)V No. of phases: (3.....) Multi-function: (101020395.....) Continuity: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB.....) Rating: (80.....)A Insulation resistance: (.....) Earth fault loop impedance: (.....)

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms Earth electrode resistance: (.....) RCD: (.....)

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  $Z_s$  (0.21.....) $\Omega$   $I_{pf}$  (2.24.....)kA (.....) (.....)

Original (to the person ordering the work)

.....

**CONTINUATION SHEET:  
ELECTRICAL INSTALLATION CERTIFICATE**

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

**SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	Circuit description	CODES For Type of wiring		Type of wiring (see Codes) Reference Method (BS 7671)	Number of points served	Circuit			Protective device				RCD	Maximum permitted Zs for installed protective device*	Circuit impedances (Ω)				Insulation resistance			Polarity	Max. measured earth fault loop impedance, Zs	RCD operating time	Test buttons					
		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit			(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state			conductor csa		Max. disconnection time (BS 7671)	Ring final circuits only			All circuits				Live / Live	Live / Earth	Test voltage DC	RCD	AFDD	
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )			(s)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>Δn</sub>	(measured end to end)			(complete at least one column)			(MΩ)	(MΩ)	(V)	(Ω)									(ms)
		(Line)	(Neutral)			(cpc)	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(Ω)			(ms)															
8/L1	WASHROOM SOCKETS	A	B	4	2.5	1.5	0.4	61009	RCD/RCBO	C	32	10	30	0.68	0.16	0.16	0.25	0.09	>999	>999	500	0.40	18.9	✓	✓					
8/L2	VIP SOCKET OIN PILLA	A	C/B	1	2.5	1.5	0.4	61009	RCD/RCBO	C	16	10	30	1.37				0.37	>999	>999	500	0.57	28.4	✓	✓					
8/L3	FRONT BAR SOCKET	A	C/B	8	2.5	1.5	0.4	61009	RCD/RCBO	C	32	10	30	0.68	0.27	0.27	0.42	0.19	>999	>999	500	0.72	28.6	✓	✓					

**DISTRIBUTION BOARD (DB) DETAILS**  
(to be completed in every case)

DB designation: DB3  
Location of DB: VIP AREA IN WASH UP AREA

**TESTED BY** Name (capitals) [REDACTED]  
Signature: [REDACTED]

Position: Electrical Engineer  
Date: 05/06/2020

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Supply to DB is from: (MCCB PANNAL 2 ..... ) Nominal voltage: (400.....)V No. of phases: (3.....) Multi-function: (101020395.....) Continuity: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB.....) Rating: (80.....)A Insulation resistance: (.....) Earth fault loop impedance: (.....)

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms Earth electrode resistance: (.....) RCD: (.....)

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): True  $Z_s$  (0.21.....) $\Omega$   $I_{pf}$  (2.24.....)kA (.....) (.....)

Original (to the person ordering the work)

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**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Supply to DB is from: (MCCB2.....) Nominal voltage: (400.....)V No. of phases: (3.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS\_EN\_60947-2\_MCCB.....) Rating: (80.....)A

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate):  $Z_s$  (0.24.....) $\Omega$   $I_{pf}$  (1.92.....)kA

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Multi-function:	Continuity:
(101020395.....)	(.....)
Insulation resistance:	Earth fault loop impedance:
(.....)	(.....)
Earth electrode resistance:	RCD:
(.....)	(.....)

Original (to the person ordering the work)

.....



**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Supply to DB is from: (MCCB2.....) Nominal voltage: (400.....)V No. of phases: (3.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS\_EN\_60947-2\_MCCB.....) Rating: (80.....)A

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms

Characteristics at this DB Confirmation of supply polarity: (Yes.....) Phase sequence confirmed (where appropriate): True  $Z_s$  (0.24.....) $\Omega$   $I_{pf}$  (1.92.....)kA

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Multi-function:	Continuity:
(101020395.....)	(.....)
Insulation resistance:	Earth fault loop impedance:
(.....)	(.....)
Earth electrode resistance:	RCD:
(.....)	(.....)

Original (to the person ordering the work)

.....

**ELECTRICAL INSTALLATION CERTIFICATE**

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

PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS										Circuits/equipment vulnerable to damage when testing: .....														
Circuit number	For Type of wiring	(A) Thermoplastic insulated / sheathed cables		(B) Thermoplastic cables in metallic conduit		(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking		(E) Thermoplastic cables in non-metallic trunking		(F) Thermoplastic / SWA cables		(G) Thermosetting / SWA cables		(H) Mineral-insulated cables		(O) other - state		RCD operating time	Test buttons			
		Circuit description																						
		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served		conductor csa		Protective device		RCD		Circuit impedances (Ω)				Insulation resistance					Polarity	Max measured earth fault loop impedance, Z <sub>s</sub>	RCD	AFDD
		Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Max. disconnection time (BS 7671) (s)	BS (EN)	Type	Rating	Slot-circuit capacity	Operating current, I <sub>an</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Ring final circuits only (measured end to end)			All circuits (complete at least one column)	Live / Live	Live / Earth	Test voltage DC	Max measured earth fault loop impedance, Z <sub>s</sub> (Ω)	(ms)					
						(A)	(kA)				(Lin e) <sub>r1</sub>	(Neutral) n	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)						
1/L1	HAND DRYER	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	6						>999	>999	500	✓	0.31			
2/L1	WATER TANK 1	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	6						>999	>999	500	✓	0.30			
3/L1	WATER TANK 2	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	6						>999	>999	500	✓	0.32			
4/L1	SPARE																			✓				
5/L1	MAIN OFFICE LIGHTS	A	B	7	1.5	1.0	0.4			10	6				0.54		>999	>999	500	✓	0.97			
6/L1	STORR ROOM LIGHTS	A	B	5	1.5	1.0	0.4	60898 MCB	B	10	6				0.28		>999	>999	500	✓	0.49			
7/L1	BACK AREA LIGHTS	A	B	7	1.5	1.0	0.4	60898 MCB	B	10	6				0.24		>999	>999	500	✓	0.57			
8/L1	TOILETS LIGHTS	A	B	1	1.5	1.0	0.4	60898 MCB	B	10	6				0.57		>999	>999	500	✓	0.85		✓	
9/L1	SPARE																			✓				
10/L1	SPARE																			✓				
11/L1	SPARE																			✓				
	RCD						0.4	61008 RCD												✓	14.3			
12/L1	SHOWER	A	B	1	6.0	2.5	0.4	60898 MCB	B	32	6	30	1.37			0.15		>999	>999	500	✓	0.92		
13/L1	OFFICE RING	A	B	4	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.73					>999	>999	500		0.65		
14/L1	OFFICE RRING 2	A	B	10	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.09	0.09	0.13	0.05	>999	>999	500		0.24		
15/L1	SOCKETS CEILIER	A	B	3	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.73				0.32	>999	>999	500		0.65		
16/L1	OFFICE RING 3	A	B	10	2.5	1.5	0.4	60898 MCB	B	32	6	30	1.37	0.48	0.48	0.82	0.30	>999	>999	500		0.56		

**DISTRIBUTION BOARD (DB) DETAILS** (to be completed in every case)

DB designation: DB5  
Location of DB: OFFICES

**TESTED BY** Name (capitals) [Redacted]  
Signature: [Redacted]

Position: Electrical Engineer  
Date: 08/06/2020

**TEST INSTRUMENTS**



(enter serial number against each instrument used)

Supply to DB is from: (MCCB2.....) Nominal voltage: (230.....)V No. of phases: (1.....) Multi-function: (101020395.....) Continuity: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB.....) Rating: (60.....)A Insulation resistance: (.....) Earth fault loop impedance: (.....)

Associated RCD (if any) Type: (BS EN.....) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms Earth electrode resistance: (.....) RCD: (.....)

Characteristics at this DB Confirmation of supply polarity: (Yes....) Phase sequence confirmed (where appropriate):  $Z_s$  (0.13.....) $\Omega$   $I_{pf}$  (1.74.....)kA (.....) (.....)

Original (to the person ordering the work)

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## ELECTRICAL INSTALLATION CERTIFICATE

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

### PART 11 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: .....

Circuit number	For Type of wiring	(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(O) other - state	Circuit description										RCD	Test buttons										
											conductor csa		Protective device			Operating current, I <sub>an</sub>	Maximum permitted Z <sub>s</sub> for installed protective device*	Circuit impedances (Ω)					Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub>	RCD operating time				
											Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	BS (EN)	Type	Rating			Short-circuit capacity	Ring final circuits only				All circuits						Live / Live	Live / Earth	Test voltage DC	
																			(measured end to end)	(complete at least one column)			(MΩ)	(MΩ)	(V)							
Max. disconnection time (BS 7671)	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Max. disconnection time (BS 7671)	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>an</sub>	Maximum permitted Z <sub>s</sub> for installed protective device*	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(Ω)	(ms)	RCD	AFDD										
1 /L1-3	SPARE																															
2 /L1-3	DB2		F	C	1	25	25	5	60947-2 MCCB	100	10	0.44				0.16	>999	>999	500	0.22												
3 /L1-3	DB4		F	C	1	25	25	5	60947-2 MCCB	80	10	0.55				0.09	>999	>999	500	0.24												
4 /L1-3	DB3		F	C	1	25	25	5	60947-2 MCCB	80	10	0.55				0.11	>999	>999	500	0.21												
5 /L1	SPARE																															
5 /L2	SPARE																															
5 /L3	DB5		F	C	1	25	25	5	60947-2 MCCB	60	10	0.73				0.06	>999	>999	500	0.21												
6 /L13	SPARE																															

#### DISTRIBUTION BOARD (DB) DETAILS

DB designation: MCCB 2

Location of DB: GIRL TOLEET CUPBOARD

#### Characteristics at this DB

Confirmation of supply polarity: (Yes)  Phase sequence confirmed (where appropriate):  Z<sub>s</sub> (0.10.....)Ω I<sub>pf</sub> (2.65.....)kA

#### TESTED BY

Name (capital letters) **DOWNNEY**

Signature:

Position: Electrical  
Engineer

Date:

08/06/2020

**TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Supply to DB is from: (MCCB 1) Nominal voltage: (400)V No. of phases: (.....)

Overcurrent protection device for the distribution circuit Type: (BS EN BS EN 60947-2 MCCB) Rating: (260)A

Associated RCD (if any) Type: (BS EN ..... ) No. of poles: (.....)  $I_{\Delta n}$  (.....)mA Operating time: (.....)ms

**TEST INSTRUMENTS**

(enter serial number against each instrument used)

Multi-function: (.....) Continuity: (.....)  
(101020395) (.....)  
Insulation resistance: (.....) Earth fault loop impedance: (.....)  
(.....) (.....)  
Earth electrode resistance: (.....) RCD: (.....)

Characteristics at this DB Confirmation of supply polarity: (Yes) Phase sequence confirmed (where appropriate):   $Z_s$  (0.10) $\Omega$   $I_{pf}$  (2.65)kA

## ELECTRICAL INSTALLATION CERTIFICATE

### ADDITIONAL NOTES

Faults found from EICR (IPR18-214224) and rectified within these works.

1. DB1 - Cable at board just cut off and live - C1 - Disconnected at time of test
2. DB1 - Grid switch hanging from wall not fixed - C2
3. DB1 - Sockets loose from wall and box broken - C1 - Disconnected at time of test
4. Switch wire going out to lights just cut off - C1 - Disconnected at time of test
5. Lights at front of building rusty and in poor condition - C2
6. DB2 - 2L1, 6L1, 8L2, 8L3, 9L2, 10L1 and 10L2 - Not found - Further investigation required
7. DB2 - 1L1 - Armour cable not glanded - C2
8. DB2 - Bar 1x double socket cracked - C2
9. DB3 - 6L - No RCD protection - Further investigation required
10. DB2 - 6L2 - Glass washer supply cable lose live - C1 - Disconnected at time of test
11. DB2 - 6L1 - Not found - Further investigation required
12. DB3 - 8L3 - No RCD protection on socket - C3
13. DB3 - 7L2 - No ring con - Further investigation required
14. DB3 - 2L2 - Not found - Further investigation required
15. DB3 - 2L3 - Not found - Further investigation required
16. DB3 - 2L3 - No RCD - C3
17. Main bond to steel cut off - C2
18. DB2 - 11L3 - High end to end - Further investigation required
19. Cables and circuits not correctly identified - C3
20. DB1 - Circuits 2, 5, 6, 7, 9 and 12 not found - Further investigation required
21. DB4 - Circuits 1L1, 1L3, 2L1 and 6L1 not found - Further investigation required
22. MCCB board 2/TP - not found - Further investigation required
23. MCCB board 2 6/TP - not found - Further investigation required

(see additional page No. N/A)

# NOTES FOR RECIPIENT

## THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the user of the installation, you should pass this certificate, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, BS 7671: 2018 (as amended) - Requirements for Electrical Installations (the IET Wiring Regulations).

Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC\* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the main switchboard or distribution board indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC Electrical Installation Certificate.

The certificate, which consists of at least six numbered pages, is only valid if accompanied by the Schedule of Items Inspected and the Schedule of Circuit Details and Test Results. The certificate has a printed serial number which is traceable to the Approved Contractor to which it was supplied by NICEIC.

For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded on Page 6, one or more additional Schedules of Circuit Details and Test Results, should form part of the certificate.

This certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation, or for the replacement of a distribution board (or consumer unit). It should not have been issued for the inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such a periodic inspection.

This certificate should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to their NICEIC registration for such work.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

**The 'Original' certificate should be retained in a safe place and shown to any skilled person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new user that the electrical installation complied with the requirements of BS 7671 at the time the certificate was issued.**

The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety documentation.

Page 1 and 2 of this certificate provide details of the electrical installation, together with the name(s) and signature(s) of the person(s) certifying the three elements of installation work: design, construction and inspection and testing, and page 3 identifies the organisation(s) responsible for the work certified by their representative(s).

Certification for inspection and testing provides an assurance that the electrical installation work has been fully inspected and tested, and that the electrical work has been carried out in accordance with the requirements of BS 7671: 2018 (as amended) (except for any departures sanctioned by the designer and appended to the certificate).

Where responsibility for the design, the construction and the inspection and testing of the electrical work is divided between the Approved Contractor and one or more other bodies, the division of responsibility should have been established and agreed before commencement of the work. In such a case, NICEIC considers that the absence of certification for the construction, or the inspection and testing elements of the work would render the certificate invalid. If the design section of the certificate has not been completed, NICEIC recommends that you question why those responsible for the design have not certified that this important element of the work is in accordance with BS 7671.

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) in accordance with British Standards BS 5839 and BS 5266 respectively, this electrical safety certificate should be accompanied by a separate certificate or certificates as prescribed by those standards.

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, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate), have reason to believe that any element of the work for which the Approved Contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with BS 7671: 2018 (as amended), the client should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

*\* NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).*

For further information about electrical safety and how NICEIC can help you, visit [www.niceic.com](http://www.niceic.com)