

# ELECTRICAL INSTALLATION CONDITION REPORT

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

## PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR		DETAILS OF THE CLIENT		DETAILS OF THE INSTALLATION	
Registration No.: 028288000	Branch No.: 000	Contractor Reference Number (CRN): 23492	Occupier: Cinderford Platoon	Address: Cinderford Platoon, Valley Road, Cinderford, Gloucestershire	Postcode: GL14 2NX
Trading Title: R J Electrical Services Ltd		Name: Wessex RFCA			
Address: Unit 3a, Barnack Industrial Esta, Kingsway, Salisbury		Address: Wessex Reserve Forces & Cadets Association, Mount House, Mount Street, TAUNTON, Somerset			
Postcode: SP2 0AW	Tel No: 01722741091	Postcode: TA1 3QE	Tel No: N/A	Postcode: GL14 2NX	Tel No: N/A

## PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required: Scheduled Inspection

Date(s) when inspection and testing was carried out: 08/08/2022 - 12/08/2022

Records available: X

Previous inspection report available: V

Previous report date: 16/06/2017

## PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

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

General maintenance required otherwise in good condition. See attached continuation page for details.

Estimated age of electrical installation: 40 years

Evidence of additions or alterations: V

Overall assessment of the installation is: Satisfactory/Unsatisfactory\* (delete as appropriate)

## PART 4 : DECLARATION

### INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

Name (capitals): BRIAN MCCARTHY Signature: Date: 11/08/2022

### REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE APPROVED CONTRACTOR

Name (capitals): ROBERT COOMBS Signature: Date: 12/08/2022

\*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that Further Investigation (CODE FI) without delay is required.



I/We (as indicated on page 1) recommend, subject to the necessary remedial work being taken, this installation should be further inspected and tested after an interval of not more than 5 years/~~months~~\* (delete as appropriate).

Give reason for recommendation. Condition and type of usage.

CODE:	CODE	CODE	CODE	CODE
One of the following Codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical installation the degree of urgency for remedial action	CODE C1	CODE C2	CODE C3	CODE H
Risk of injury, immediate remedial action required	Danger Present	Potentially Dangerous	Improvement Recommended	Further Investigation Required
Urgent remedial action required				

Referring to the Schedule of Items Inspected (see PART 10), the attached Schedule of Circuit Details and Test Results (see PART 12), and subject to any agreed limitations listed in PART 7:

There are no items adversely affecting electrical safety ( ..... ), OR The following observations and recommendations for action are made:

[illegible]

6.24 Several twin sockets throughout have faulty switches. Wear & Tear

**Observation(s)**

Code	Location Reference
C3	General

[illegible]

\*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.



**PART 7 : DETAILS AND LIMITATIONS OF THE INSPECTION AND TESTING**

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

Details of the installation covered by this report: Fixed wiring only

Agreed limitations including the reasons, if any, on the inspection and testing: None

Extent of sampling: 20% of accessories were removed for testing purposes and for visual inspection.

Operational limitations including the reasons: Could not confirm the presence of fire barriers (6.19) or cable segregation (6.20.6.21). Concealed installation.

Agreed with (print name):

(see additional page No. N/A)

(see additional page No. 15)

**PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS**

System type and earthing arrangements	Number and type of live conductors	Nature of supply parameters
TN-C-S: (✓) TN-S: (N/A) TT: (N/A)	AC 1-phase, 2-wire: (N/A) 2-phase, 3-wire: (N/A) 3-phase, 3-wire: (N/A) 3-phase, 4-wire: (✓) DC 2-wire: (N/A) 3-wire: (N/A) Other: (N/A)	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, $I_{pf}^{(1)*}$ : (0.69) kA External loop impedance, $Z_e^{(1)*}$ : (0.33) $\Omega$
Supply protective device (BS (EN) 1361) Type: II	Confirmation of supply polarity: Other sources of supply (as detailed on attached schedule)	
		Page No: (N/A)

**PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT**

Means of Earthing	Main protective conductors	Main protective bonding connections	Main switch / Switch-fuse / Circuit-breaker / RCD
Distributor's facility: (✓) Installation earth electrode: (N/A)	Earthing conductor: (material) Copper csa 16 mm <sup>2</sup> Connection / continuity verified: (✓)	Water installation pipes: (✓) Gas installation pipes: (✓) Structural steel: (N/A) Oil installation pipes: (N/A) Lightning protection: (N/A) Other (state): Trunking System	Type: (BS (EN) 60947-3) (Meter Cupboard) Location: (3) No. of poles: (125) A Current rating: (125) A
Where an earth electrode is used insert Type – rod(s), tape, etc: (None) Location: (N/A) Electrode resistance to Earth: (N/A) $\Omega$	Main protective bonding conductors: (material) Copper csa 16 mm <sup>2</sup> Connection / continuity verified: (✓)		Where an RCD is used as the main switch RCD rated residual operating current, $I_{\Delta n}$ : Measured operating time: (N/A) ms

\*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.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)



**PART 10 : SCHEDULE OF ITEMS INSPECTED**

1. External condition of electrical intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority.)		4. Other methods of protection Details should be provided on separate sheets:	Page No. (N/A)
1.1 Service cable: (.....) ✓	1.2 Service head: (.....) ✓	5.1 Adequacy of working space / accessibility of equipment: (.....) ✓	5.24 Single-pole switching or protective devices in line conductors only: (.....) ✓
1.3 Earthing arrangement: (.....) ✓	1.4 Meter tails: (.....) ✓	5.2 Security of fixing: (.....) ✓	5.25 Protection against mechanical damage where cables enter equipment: (.....) ✓
1.5 Metering equipment: (.....) ✓	1.6 Isolator (where present): (N/A)	5.3 Condition of insulation of live parts: (.....) ✓	5.26 Protection against electromagnetic effects where cables enter ferromagnetic enclosures: (.....) ✓
2. Presence of adequate arrangements for parallel or switched alternative sources		5.4 Adequacy / security of barriers: (.....) ✓	6. Distribution / final circuits
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply: (N/A)		5.5 Condition of enclosure(s) in terms of IP rating: (.....) ✓	
2.2 Adequate arrangements where generating set operates in parallel with the public supply: (N/A)		5.6 Condition of enclosure(s) in terms of fire rating: (.....) ✓	
2.3 Presence of alternative / additional supply arrangement warning notice(s) at or near equipment, where required: (N/A)		5.7 Enclosure not damaged / deteriorated so as to impair safety: (.....) ✓	
3. Automatic disconnection of supply		5.8 Presence and effectiveness of obstacles: (.....) ✓	6.1 Identification of conductors: (.....) ✓
3.1 Main earthing and bonding arrangements		5.9 Presence of main switch(es), linked where required: (.....) ✓	6.2 Cables correctly supported throughout their length: (.....) ✓
a) Presence and condition of distributor's earthing arrangement: (.....) ✓		5.10 Operation of main switch(es) (functional check): (.....) ✓	6.3 Condition of insulation of live parts: (.....) ✓
b) Presence and condition of earth electrode arrangement, if present: (N/A)		5.11 Correct identification of circuit protective devices: (.....) ✓	6.4 Non-sheathed cables protected by enclosures in conduit, ducting or trunking: (.....) ✓
c) Adequacy of earthing conductor size: (.....) ✓		5.12 Adequacy of protective devices for prospective fault current: (.....) ✓	6.5 Suitability of containment systems for continued use (including flexible conduit): (.....) ✓
d) Adequacy of earthing conductor connections: (.....) ✓		5.13 RCD(s) provided for fault protection – includes RCB0s: (.....) ✓	6.6 Cables correctly terminated in enclosures (indicate extent of sampling in PART 7 of report): (.....) ✓
e) Accessibility of earthing conductor connections: (.....) ✓		5.14 RCD(s) provided for additional protection – includes RCB0s: (.....) ✓	6.7 Indication of SPD(s) continued functionality confirmed: (N/A)
f) Adequacy of main protective bonding conductor size(s): (.....) ✓		5.15 RCD(s) provided for protection against fire – includes RCB0s: (.....) ✓	6.8 Adequacy of AFPD(s), where specified: (N/A)
g) Adequacy of main protective bonding conductor connections: (.....) ✓		5.16 Manual operation of circuit-breakers and RCDs to prove disconnection: (.....) ✓	6.9 Confirmation that conductor connections, including connections to busbars are correctly located in terminals and are tight and secure: (.....) ✓
h) Accessibility of main protective bonding connections: (.....) ✓		5.17 Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (.....) ✓	6.10 Examination of cables for signs of unacceptable thermal and mechanical damage / deterioration: (.....) ✓
i) Accessibility and condition of other protective bonding connections: (.....) ✓		5.18 Presence of RCD six-monthly retest notice at or near equipment, where required: (.....) ✓	6.11 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation: (.....) ✓
j) Provision of earthing / bonding labels at all appropriate locations: (.....) ✓		5.19 Presence of diagrams, charts or schedules at or near equipment, where required: (.....) ✓	6.12 Adequacy of protective devices; type and rated current for fault protection: (.....) ✓
3.2 FELV		5.20 Presence of non-standard (mixed) cable colour warning notices at or near equipment, where required: (.....) ✓	6.13 Presence and adequacy of circuit protective conductors: (.....) ✓
a) Source providing at least simple separation: (N/A)		5.21 Presence of next inspection recommendation label: (.....) ✓	6.14 Co-ordination between conductors and overload protective devices: (.....) ✓
b) Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises: (N/A)		5.22 All other required labelling provided: (.....) ✓	6.15 Cable installation methods / practices appropriate to the type and nature of installation and external influences: (.....) ✓
		5.23 Compatibility of protective device(s), base(s) and other components: (.....) ✓	6.16 Cables where exposed to direct sunlight, of a suitable type or adequately protected against solar radiation: (.....) ✓
			6.17 Cables adequately protected against damage and abrasion: (.....) ✓

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)



**PART 10 : SCHEDULE OF ITEMS INSPECTED**

6.18 Provision of additional protection by an RCD not exceeding 30 mA	(.....) ✓	6.26 Single-pole switching or protective devices in line conductors only:	(.....) ✓	8. Current-using equipment (permanently connected)	(.....) ✓
a) For all socket-outlets with a rated current not exceeding 32 A, unless exempt:	(.....) ✓	6.27 Adequacy of connections, including CPCs, within accessories and to fixed and stationary equipment	(.....) ✓	8.1 Condition of equipment in terms of IP rating:	(.....) ✓
b) Supplies for mobile equipment with a rated current not exceeding 32 A for use outdoors:	(.....) ✓	7. Isolation and switching		8.2 Equipment does not constitute a fire hazard:	(.....) ✓
c) For cables concealed in walls / partitions at a depth of less than 50 mm:	(.....) ✓	7.1 Isolators		8.3 Enclosure not damaged / deteriorated so as to impair safety:	(.....) ✓
d) For cables concealed in walls / partitions containing metal parts regardless of depth:	(N/A) (.....)	a) Presence and condition of appropriate devices:	(.....) ✓	8.4 Suitability for the environment and external influences:	(.....) ✓
e) Circuits supplying luminaires within domestic (household) premises:	(N/A) (.....)	b) Acceptable location (local / remote):	(.....) ✓	8.5 Security of fixing:	(.....) ✓
<b>Note:</b> Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.		c) Capable of being secured in the OFF position:	(.....) ✓	8.6 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire:	(.....) ✓
6.19 Provision of fire barriers, sealing arrangements and protection against thermal effects:	(LIM) (.....)	d) Correct operation verified:	(.....) ✓	List number and location of luminaires inspected on a separate page:	Page No. (N/A) (.....)
6.20 Band II cables segregated / separated from Band I cables:	(LIM) (.....)	e) Clearly identified by position and / or durable markings:	(.....) ✓	8.7 Recessed luminaires (e.g. downlighters)	(N/A) (.....)
6.21 Cables segregated / separated from non-electrical services:	(LIM) (.....)	f) Warning label posted in situations where live parts cannot be isolated by the operation of a single device:	(N/A) (.....)	a) Correct type of lamps fitted:	(N/A) (.....)
6.22 Termination of cables at enclosures (indicate extent of sampling in PART 7 of report)		7.2 Switching off for mechanical maintenance		b) Installed to minimise build-up of heat	(N/A) (.....)
a) Connections under no undue strain:	(.....) ✓	a) Presence and condition of appropriate devices:	(.....) ✓	c) No signs of overheating to surrounding building fabric:	(N/A) (.....)
b) No basic insulation of a conductor, visible outside an enclosure:	(.....) ✓	b) Acceptable location:	(.....) ✓	d) No signs of overheating to conductors / terminations:	(N/A) (.....)
c) Connections of live conductors adequately enclosed:	(.....) ✓	c) Capable of being secured in the OFF position:	(.....) ✓	9. List all special installations or locations covered by this report	(N/A) (.....)
d) Adequacy of connection at point of entry to enclosure:	(.....) ✓	d) Correct operation verified:	(.....) ✓		(.....) (.....)
6.23 Temperature rating of cable insulation adequate:	(.....) ✓	e) Clearly identified by position and / or durable marking(s):	(.....) ✓		(.....) (.....)
6.24 Condition of accessories including socket-outlets, switches and joint boxes satisfactory:	(C3) (.....)	7.3 Emergency switching off / stopping			(.....) (.....)
6.25 Suitability of accessories for external influences:	(.....) ✓	a) Presence and condition of appropriate devices:	(.....) ✓		(.....) (.....)
		b) Readily accessible for operation where danger might occur:	(.....) ✓		(.....) (.....)
		c) Correct operation verified:	(.....) ✓		(.....) (.....)
		7.4 Functional switching			(.....) (.....)
		a) Presence and condition of appropriate devices:	(.....) ✓		(.....) (.....)
		b) Correct operation (functionality) verified:	(.....) ✓		(.....) (.....)

**SCHEDULE OF ITEMS INSPECTED BY**

Name (capital): BRIAN MCCARTHY

Signature:  Date: 11/08/2022

**PART 11 : SCHEDULES AND ADDITIONAL PAGES**

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations (indicated in item 9, above)	Continuation sheets
Page No(s): (..... 4 & 5 .....)	Page No(s): (..... 6, 7-13 .....)	Page No(s): (..... 14-15 .....)	Page No(s): (..... None .....)	Page No(s): (..... None .....)

The pages identified are an essential part of this report (see Regulation 653.2).



**PART 12 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing

CODES for Type of wiring		(A) Thermoplastic insulated/ sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking	(F) Thermoplastic / SVMA cables	(G) Thermosetting / SVMA cables	(H) Mineral-insulated cables	(I) other - state:	FP200														
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD Operating current, $I_{\Delta n}$ (mA)	Maximum permitted $Z_s$ for installed protective device* ( $\Omega$ )	Circuit impedances ( $\Omega$ )			Insulation resistance			Polarity	Max measured earth fault loop impedance, $Z_s$ ( $\Omega$ )	RCD operating time (ms)	Test buttons			
					Live (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(Line) $r_1$	(Neutral) $r_n$	(CPC) $r_2$	All circuits (complete at least one column)	Live/ Live (M $\Omega$ )				Live/ Earth (M $\Omega$ )	Test voltage DC (V)	RCD (✓)	AFPD (✓)
1TP	Supply to DB3	F	C	1	16	Arm	5	60898	B	63	10	N/A	0.69				0.01	500	500	500	✓	0.33		N/A	N/A
2TP	Supply to DB2	D	B	1	25	16	5	60898	B	63	10	N/A	0.69				0.05	500	500	500	✓	0.38		N/A	N/A
3L1	Spare																								
3L2	Supply to DB6	F	D	1	6	6	5	60898	B	32	10	N/A	1.37				0.21	500	500	500	✓	0.53		N/A	N/A
3L3	Spare																								
4L1	Light: Meter cupboard	C	B	2	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.05	500	500	500	✓	0.38		N/A	N/A
4L2	Fire Alarm	O	B	1	1.5	1.5	0.4	60898	B	6	10	N/A	7.28				0.21	500	500	500	✓	0.54		N/A	N/A
4L3	Spare																								
5TP	Supply to DB4	D	B	1	25	16	5	60898	B	63	10	N/A	0.69				0.01	500	500	500	✓	0.33		N/A	N/A
6TP	Supply to DB5	D	B	1	25	16	5	60898	B	63	10	N/A	0.69				0.04	500	500	500	✓	0.36		N/A	N/A
7TP	Spare																								
8L1	Spare																								
8L2	Spare																								
8L3	Main Gate Supply (NOT TESTED)	F	D	1	2.5	2.5	0.4	60898	B	16	10	N/A	2.73												
																					</				

**DISTRIBUTION BOARD (DB) DETAILS**

DB designation: DB1

Location of DB: Meter Cupboard

**TESTED BY**

Name (capitalis): BRIAN MCCARTHY

Signature: 

Position: Electrician

Date: 08/08/2022

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

Supply to DB is from: (N/A)

Overcurrent protection device for the distribution circuit Type: (BS EN N/A)

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

Characteristics at this DB Confirmation of supply polarity: (N/A) Phase sequence confirmed (where appropriate): (N/A)  $Z_s$  (N/A) Ω  $I_{pf}$  (N/A) kA

**TEST INSTRUMENTS (enter serial number against each instrument used)**

Multi-function: (101389357)

Insulation resistance: (N/A)

Earth electrode resistance: (N/A)

Continuity: (N/A)

Earth fault loop impedance: (N/A)

RCD: (N/A)





Electrical and  
Plumbing Contractors

## CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS

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

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report.

25773233

ISN18C

### XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

(Delete as appropriate)

Circuits/equipment vulnerable to damage when testing:

CODES for Type of wiring		(A) Thermoplastic insulated sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit		(D) Thermoplastic cables in metallic trunking	(E) Thermoplastic cables in non-metallic trunking		(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables		(I) other - state	N/A												
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons				
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(Line) Z <sub>1</sub>	(Neutral) Z <sub>n</sub>	(cpc) Z <sub>2</sub>	All circuits (complete at least one column)	Live / Live (MΩ)				Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)	AFDD (✓)	
1L1	Lights: Entrance Hall	D	B	13	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.35		200	200	250	✓	1.13		N/A	N/A
1L2	Lights: WCs & Armoury	D	B	13	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.46		200	200	250	✓	1.59		N/A	N/A
1L3	Lights: Ablutions	D	B	7	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.64		200	200	250	✓	1.52		N/A	N/A
2L1	Lights: Officers Mess	D	B	7	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.10		200	200	250	✓	0.50		N/A	N/A
2L2	Lights: Stairs	D	B	4	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.30		200	200	250	✓	1.36		N/A	N/A
2L3	Lights: Kitchen	D	B	8	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.13		200	200	250	✓	0.91		N/A	N/A
3TP	Kitchen Fryer	D	B	1	6	6	0.4	60898	B	20	10	N/A	2.19				0.09		500	500	500	✓	0.42		N/A	N/A
4L1	Spare																									
4L2	Kitchen Hot Cupboard	D	B	1	6	6	0.4	60898	B	32	10	N/A	1.37				0.08		500	500	500	✓	0.46		N/A	N/A
4L3	Sockets: Corridor/WC Fans	D	B	7	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.51	0.45	0.18	0.06		200	200	500	✓	0.42	38.7	✓	N/A
5L1	Sockets: Officers Mess/Corridor	D	B	12	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.58	0.61	0.39	0.05		200	200	500	✓	0.42	50.3	✓	N/A
5L2	Lights: Accommodation	D	B	13	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.07		200	200	250	✓	0.46		✓	✓
5L3	Armoury Alarm/Socket (NOT TESTED)	D	B	3	2.5	2.5	0.4	61009	C	32	10	30	0.68													
6L1	Sockets: Entrance Hall	D	B	5	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.39	0.39	0.30	0.02		500	500	500	✓	0.38	38.8	✓	N/A
6L2	Spare																									
6L3	Kitchen Dishwasher	D	B	1	6	6	0.4	60898	C	32	10	N/A	0.68				0.01		500	500	500	✓	0.36		N/A	N/A
7L1	Spare																									
7L2	Lights: First Floor	C	B	13	1.5	1.5	0.4	60898	B	10	10	N/A	4.37				0.69		200	200	250	✓	1.05		N/A	N/A

<b>DISTRIBUTION BOARD (DB) DETAILS</b>	DB designation: DB2	<b>TESTED BY</b>	Name (capital): BRIAN MCCARTHY	Position: Electrician
(to be completed in every case)	Location of DB: GF Corridor	Signature:		Date: 09/08/2022

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

Supply to DB is from: DB1 - 2TP	Nominal voltage: 400 V	No. of phases: 3
Overcurrent protection device for the distribution circuit	Type: BS EN 60898	Rating: 63 A

Associated RCD (if any)	Type: BS EN N/A	No. of poles: N/A	$I_{\Delta n}$ : N/A mA	Operating time: N/A ms
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Characteristics at this DB	Confirmation of supply polarity: ✓	Phase sequence confirmed (where appropriate): N/A	$Z_s$ : 0.38 Ω	$I_{pf}$ : 0.61 kA
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### TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: 101389357	Continuity: N/A
Insulation resistance: N/A	Earth fault loop impedance: N/A
Earth electrode resistance: N/A	RCD: N/A




**XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing :

Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD	Circuit impedances (Z)			Insulation resistance			Polarity	RCD operating time	Test buttons						
					Live (mm²)	CPC (mm²)		BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	(Line) I <sub>f</sub>	(Neutral) I <sub>n</sub>	(L+PE) I <sub>2</sub>	(R <sub>1</sub> + R <sub>2</sub> )	R <sub>2</sub>	Live / Live	Live / Earth	Test voltage DC (V)	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	(ms)	RCD (✓)	AFDD (✓)	
7L3	Sockets: First Floor Right	C	B	6	2.5	2.5	0.4	61009	B	32	10	30	1.37	0.71	0.71	0.73	0.17		500	500	500	✓	0.55	38.7	✓	✓
8L1	Sockets: First Floor Left	C	B	10	2.5	2.5	0.4	61009	B	32	10	30	1.37	0.73	0.73	0.73	0.25		500	500	500	✓	0.63	19	✓	✓
8L2	Lights: NCO Accommodation	C	B	6	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.12		200	200	250	✓	0.50		✓	✓
8L3	Spare																									
9L1	Sockets: Kitchen	D	B	5	2.5	2.5	0.4	61009	B	32	10	30	1.37	0.54	0.54	0.54	0.05		500	500	500	✓	0.42	38.8	✓	✓
9L2	Sockets: Accommodation	D	B	10	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.83	0.83	0.33	0.10		500	500	500	✓	0.46	38.8	✓	✓
9L3	Oven/Extractor Hood	D	B	2	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.48	0.48	0.39	0.13		500	500	500	✓	0.13	38.7	✓	✓
10L1	32A Socket: Officers Mess	D	B	1	6	6	0.4	61009	C	32	10	30	0.68				0.03		500	500	500	✓	0.39	38.8	✓	✓
10L2	Kitchen Roller Door	D	B	1	2.5	2.5	0.4	60898	C	16	10	N/A	1.37				0.09		500	500	500	✓	0.47		✓	✓
10L3	Spare																									
11TP	Spare																									
12TP	Spare																									

**DISTRIBUTION BOARD (DB) DETAILS** DB designation: DB2 Location of DB: GF Corridor

**TESTED BY** Name (capital): BRIAN MCCARTHY Signature: 

Position: Electrician Date: 09/08/2022

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

Supply to DB is from: DB1 - 2TP  
 Overcurrent protection device for the distribution circuit Type: BS EN 60898  
 Associated RCD (if any) Type: BS EN N/A No. of poles: N/A I<sub>Δn</sub> (N/A) mA Operating time (N/A) ms  
 Characteristics at this DB Confirmation of supply polarity: (✓) Phase sequence confirmed (where appropriate): N/A Z<sub>s</sub> 0.38 Ω I<sub>pf</sub> 0.61 kA

**TEST INSTRUMENTS (enter serial number against each instrument used)**

Multi-function: 101389357  
 Insulation resistance: N/A  
 Earth electrode resistance: N/A  
 Continuity: N/A  
 Earth fault loop impedance: N/A  
 RCD: N/A





Electrical and  
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## CONTINUATION SHEET: ELECTRICAL INSTALLATION CONDITION REPORTS

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

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report.

25773233

ISN18C

Circuits/equipment vulnerable to damage when testing:

XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

(Delete as appropriate)

CODES for Type of wiring		(A) Thermoplastic insulated / sheathed cables	(B) Thermoplastic cables in metallic conduit	(C) Thermoplastic cables in non-metallic conduit	(D) Thermoplastic cables in metallic trunking	(E) non-metallic trunking	(F) Thermoplastic / SWA cables	(G) Thermosetting / SWA cables	(H) Mineral-insulated cables	(I) other - state:	N/A														
Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)			Insulation resistance		Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons				
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(Line) r <sub>l</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>2</sub>	All circuits (complete at least one column)				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)	AFPD (✓)
1L1	Lights: Redundant Range Not Tested	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19						✓						
1L2	Lights: Room 22	D	B	4	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.12	200	200	250	✓	0.46	N/A		
1L3	Lights: COY Office/Corridor	D	B	4	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.07	200	200	250	✓	0.41	N/A		
2L1	Lights: Side Stairs	D	B	6	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.09	200	200	250	✓	0.46	N/A		
2L2	Lights: Classroom 2	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.16	200	200	250	✓	0.51	N/A		
2L3	Lights: Classroom 1	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.20	200	200	250	✓	0.55	N/A		
3L1	Lights: QM Stores	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.26	200	200	250	✓	0.68	N/A		
3L2	Lights: Rear Stairs	D	B	7	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.36	200	200	250	✓	0.73	N/A		
3L3	Lights: Drill Hall	D	B	6	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.32	200	200	250	✓	0.68	N/A		
4L1	Sockets: Redundant Range Not Tested	D	B	5	2.5	2.5	0.4	61009	C	32	10	30	0.68												
4L2	Sockets: Room 22	D	B	6	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.49	0.52	0.31	0.03	500	500	500	✓	0.41	38.7	✓	N/A
4L3	Lights: Drill Hall	D	B	8	1.5	1.5	0.4	60898	C	10	10	N/A	2.19				0.31	200	200	250	✓	0.66	N/A		N/A
5L1	Socket: Side Stairs	D	B	1	2.5	2.5	0.4	61009	B	16	10	30	2.73				0.01	500	500	500	✓	0.39	38.7	✓	N/A
5L2	Sockets: Classroom 2	D	B	8	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.8	0.8	0.31	0.12	500	500	500	✓	0.48	38.7	✓	N/A
5L3	Sockets: COY Office/Corridor	D	B	6	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.39	0.39	0.30	0.01	500	500	500	✓	0.39	38.6	✓	N/A
6L1	Sockets: QM Stores	D	B	8	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.91	0.90	0.28	0.19	500	500	500	✓	0.54	38.8	✓	N/A
6L2	Sockets: Rear Stairs	D	B	4	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.66	0.65	0.43	0.15	500	500	500	✓	0.51	38.8	✓	N/A
6L3	Sockets: Classroom 1	D	B	8	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.90	0.90	0.42	0.14	500	500	500	✓	0.52	38.5	✓	N/A

<b>DISTRIBUTION BOARD (DB) DETAILS</b>	DB designation: DB5	<b>TESTED BY</b>	Name (capital): BRIAN MCCARTHY	Position: Electrician
(to be completed in every case)	Location of DB: GF Adjacent Room 22	Signature:		Date: 08/08/2022

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

Supply to DB is from: (DB1 - 6TP)	Nominal voltage: (400) V	No. of phases: (3)
Overcurrent protection device for the distribution circuit	Type: (BS EN 60898)	Rating: (63) A
Associated RCD (if any)	Type: (BS EN N/A)	No. of poles: (N/A)
Characteristics at this DB	Confirmation of supply polarity: (✓)	Phase sequence confirmed (where appropriate): (N/A)
		Operating time (N/A) ms
		Earth electrode resistance: (N/A)
		RCD: (N/A)

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: (101389357)	Continuity: (N/A)
Insulation resistance: (N/A)	Earth fault loop impedance: (N/A)
Earth electrode resistance: (N/A)	RCD: (N/A)





This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report.

**25773233**

**ISN18C**

**CONTINUATION SHEET:**  
**ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS**  
*Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations*

**XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing :

Circuit number	Circuit description	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	Protective device			RCD	Maximum permitted $Z_s$ for installed protective device*	Circuit impedances ( $Z_s$ )			Insulation resistance			Polarity	Max. measured earth fault loop impedance, $Z_s$	RCD operating time (ms)	Test buttons			
					Live ( $mm^2$ )	CPC ( $mm^2$ )		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	(Line) $r_1$	(Neutral) $r_n$	(CPC) $r_2$	All circuits (complete at least one column)	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD		AFDD			
7L1	Patch Cabinet: QM Store	D	B	1	2.5	2.5	0.4	60898	C	16	10	N/A	1.37				0.18	500	500	500	(✓)	0.53		N/A	N/A
7L2	Sockets: Not Located Not Tested	D	B		2.5	2.5	0.4	61009	B	32	10	30	1.37												
7L3	Sockets: Drill Hall	D	B	12	2.5	2.5	0.4	61009	C	32	10	30	0.68	1.00	1.00	0.37	0.16	500	500	500	(✓)	0.55	38.5	✓	N/A
8L1	Spare																								
8L2	Spare																								
8L3	32A Socket: Drill Hall	D	B	1	6	6	0.4	61009	C	32	10	30	0.68				0.02	500	500	500	(✓)	0.40	38.6	✓	N/A
9TP	Spare																								
10TP	Spare																								
11TP	Spare																								
12TP	Spare																								

**DISTRIBUTION BOARD (DB) DETAILS** DB5 DB designation: DB5 Location of DB: GF Adjacent Room 22 (to be completed in every case)

**TESTED BY** Name (capital): BRIAN MCCARTHY Signature:

Position: Electrician Date: 08/08/2022

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

Supply to DB is from: (DB1 - 6TP) Nominal voltage: (400) V No. of phases: (3) Overcurrent protection device for the distribution circuit Type: (BS EN 60898) Rating: (63) A Associated RCD (if any) Type: (BS EN N/A) No. of poles: (N/A)  $I_{\Delta n}$  (N/A) mA Operating time (N/A) ms Characteristics at this DB Confirmation of supply polarity: (✓) Phase sequence confirmed (where appropriate): (N/A)  $Z_s$  (0.36)  $\Omega$   $I_{pf}$  (0.63) kA

**TEST INSTRUMENTS (enter serial number against each instrument used)**

Multi-function: 101389357 Continuity: (N/A) Insulation resistance: (N/A) Earth fault loop impedance: (N/A) Earth electrode resistance: (N/A) RCD: (N/A)



**XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuits/equipment vulnerable to damage when testing :

N/A

CODES for Type of wiring													N/A												
(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/ SYMA cables		(G) Thermosetting/ SYMA cables		(H) Mineral-insulated cables		(I) other - state:				
Circuit description		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)			Insulation resistance		Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons				
					Live (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(CPC) r <sub>2</sub>	All circuits (complete at least one column)				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)	AFPD (✓)
L1.1	Lights: Rooms 6-9	C	B	6	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.64	200	200	250	✓	0.98		N/A	N/A	
L1.2	Lights: Rooms 1-5	C	B	9	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.67	200	200	250	✓	0.95		N/A	N/A	
L1.3	Lights: Corridor	C	B	5	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			1.29	200	200	250	✓	1.64		N/A	N/A	
L2.1	Sockets: Rooms 4-9/Corridor	E	B	11	2.5	2.5	0.4	61009	B	32	10	30	1.37	0.84	0.84	0.87	0.28	500	500	500	✓	0.62	38.8	✓	N/A
L2.2	Sockets: Rooms 1-3/Corridor	E	B	4	2.5	2.5	0.4	61009	B	32	10	30	1.37	0.58	0.58	0.58	0.17	500	500	500	✓	0.52	19	✓	N/A
L2.3	Spare																								
L3TP	Spare																								
L4TP	Spare																								
L5.1	Lights: Range	D	B	9	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.54	200	200	250	✓	0.86		N/A	N/A	
L5.2	Lights: Range	D	B	6	1.5	1.5	0.4	60898	C	10	10	N/A	2.19			0.51	200	200	250	✓	0.83		N/A	N/A	
L5.3	Extractor Fans: Range	D	B	2	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.53	200	200	250	✓	0.84		N/A	N/A	
L6.1	Lights: Plant Room	D	B	7	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.46	200	200	250	✓	0.79		N/A	N/A	
L6.2	Lights: Range lobby west	D	B	11	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.34	200	200	250	✓	0.67		N/A	N/A	
L6.3	Lights: Range lobby east	D	B	12	1.5	1.5	0.4	60898	B	10	10	N/A	4.37			0.27	200	200	250	✓	0.61		N/A	N/A	
L7.1	Sockets: Range/Plant Room	D	B	6	2.5	2.5	0.4	61009	C	32	10	30	0.68	0.71	0.71	0.68	0.22	500	500	500	✓	0.53	67.5	✓	N/A
L7.2	Spare																								
L7.3	Spare																								
L8TP	Spare																								

<b>DISTRIBUTION BOARD (DB) DETAILS</b>	DB designation: DB3	<b>TESTED BY</b>	Name (capital): BRIAN MCCARTHY	Position: Electrician
(to be completed in every case)	Location of DB: 1st Floor Corridor opposite room 6	Signature:		Date: 10/08/2022

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

Supply to DB is from: (DB1 - 1TP) ( ) Nominal voltage: (400) V No. of phases: (3) ( )

Overcurrent protection device for the distribution circuit Type: (BS EN 60898) ( ) Rating: (63) A

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

Characteristics at this DB Confirmation of supply polarity: ( ) ( ) Phase sequence confirmed (where appropriate): (N/A) ( )  $Z_s$  (0.33)  $\Omega$   $I_{pf}$  (0.01) kA

**TEST INSTRUMENTS (enter serial number against each instrument used)**

Multi-function: ( ) Continuity: ( )

Insulation resistance: ( ) Earth fault loop impedance: ( )

Earth electrode resistance: ( ) RCD: ( )



# ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS: CONTINUATION SHEET:

## XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

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

[illegible]

## DISTRIBUTION BOARD (DB) DETAILS

**(to be completed in every case)**

**Boiler Room**  
Location of DB:.....

TESTED BY

**TESTED BY** **BRIAN MCCARTHY**  
Name (capital): .....  
Signature:  .....

Position: Electrician  
Date: 11/08/2022

Date: 11/08/2022

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

Supply to DB is from: ( DB1 - 5TP ) Nominal voltage: ( 400 ) V No. of phases: ( 3 )

**Overcurrent protection device for the distribution circuit**      Type: (BS EN 60898 ..... )      Rating: ( ..... ) A

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

Characteristics at this DB

Confirmation of supply polarity: (.....) ✓	Phase sequence confirmed (where appropriate): (.....) N/A
	$Z_s$ (.....) $\Omega$ 0.33
	$I_{pf}$ (.....) kA 0.7

**TEST INSTRUMENTS** (enter serial number against each instrument used)

Multi-function:  
101389357

Continuity:  
NA

Insulation resistance: Earth fault loop impedance:

(MIN) ..... (MIN)

EA10 electrode resistance:	N/A	FCU:	N/A
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**APPROVED CONTRACTOR**  
**Electrical and Plumbing Contractors**

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report.

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ISN18C

## CONTINUATION SHEET: ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS

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

### XXX / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

(Where as appropriate)

Circuits/equipment vulnerable to damage when testing :

CODES for Type of wiring													N/A												
(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		(I) other - state:									
Circuit description		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> for installed protective device* (Ω)	Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub> (Ω)	RCD operating time (ms)	Test buttons			
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	(Line) r <sub>i</sub>	(Neutral) r <sub>n</sub>	(cpc) r <sub>e</sub>	All circuits (complete at least one column)	R <sub>2</sub>				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)
1	Sockets: General	A	100	7	2x2.5	2x1.5	0.4	60898	B	20	6	30	2.19	0.5	0.52	0.77	0.36	500	500	500	✓	0.82	38.8	✓	N/A
2	External 16A Socket	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.45	500	500	500	✓	0.98	38.8	✓	N/A
3	External 16A Socket	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.53	500	500	500	✓	1.06	38.8	✓	N/A
4	Heater Point: Office	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.35	500	500	500	✓	0.88	38.8	✓	N/A
5	Heater Point: Main Room Far End	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.49	500	500	500	✓	1.02	38.8	✓	N/A
6	Heater Point: Main Room Right Side	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.68	500	500	500	✓	1.19	38.8	✓	N/A
7	Heater Point: Main Room Left Side	A	100	1	2.5	1.5	0.4	60898	B	16	6	30	2.73				0.44	500	500	500	✓	0.93	38.8	✓	N/A
8	Lights: General	A	100	7	1.5	1	0.4	60898	B	6	6	30	7.28				0.38	200	200	250	✓	0.9	38.8	✓	N/A
9	Spare																								
10	Spare																								
11	Spare																								
12	Spare																								

#### DISTRIBUTION BOARD (DB) DETAILS

DB designation: DB6  
Location of DB: Portcabin

#### TESTED BY

Name (capitalis): BRIAN MCCARTHY  
Signature:

Position: Electrician  
Date: 11/08/2022

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

Supply to DB is from: DB1 - 3L2

Overcurrent protection device for the distribution circuit Type: BS EN 60898  
Nominal voltage: (230) V No. of phases: (1)  
Rating: (32) A

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

Characteristics at this DB Confirmation of supply polarity: (✓) Phase sequence confirmed (where appropriate): (N/A)  $Z_s$  (0.53) Ω  $I_{pn}$  (N/A) kA

#### TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: 101389357 Continuity: N/A

Insulation resistance: N/A Earth fault loop impedance: N/A

Earth electrode resistance: N/A RCD: N/A

Original (to the person ordering the work)





*Electrical and  
Plumbing Contractors*



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

25773233

N18C

## GENERAL CONTINUATION SHEET

### NOTES

#### General Condition Of the Installation

Several double sockets throughout have faulty switches making one of the two outlets inoperable. Cause, general wear and tear.

Original (to the person ordering the work)





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

25773233

N18C

GENERAL CONTINUATION SHEET

NOTES

Operational Limitations

Main gate supply not tested, no access to cabinet.  
Redundant range circuits not tested, no access.

Original (to the person ordering the work)



# NOTES FOR RECIPIENT

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

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service. This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected and tested, taking into account the stated extent of the installation and the limitations of the inspection and testing.

This report has been issued in accordance with the national standard for the safety of electrical installations, *BS 7671: 2018 – Requirements for Electrical Installations*.

The report identifies any damage, deterioration, defects and/or conditions found by the inspector which may give rise to danger (see PART 6), together with any items for which improvement is recommended. If you were the person ordering this report, but not the user of the installation, you should pass this report, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This report should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

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.

**For safety reasons, the electrical installation should be re-inspected 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 the inspection.**

The recommended date by which the next inspection should be carried out is stated in PART 5 of this report. There should also be a notice at or near the main switchboard or distribution board/consumer unit indicating when the next inspection of the installation is due.

Only an NICEIC Approved Contractor or Conforming Body is authorised to issue this NICEIC Electrical Installation Condition Report. You should have received the report marked 'Original' and the Approved Contractor should have retained the report marked 'Duplicate'.

This report form is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation and must not be issued to certify new electrical installation work including the replacement of a distribution board or consumer unit.

The report consists of at least six numbered pages. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. For installations having more than one distribution board or more circuits than can be recorded on PART 12, one or more additional *Schedules of Circuit Details and Test Results* should form part of the report. The report is invalid if any of the schedules identified in PART 10 are missing. The report has a printed serial number, which is traceable to the Contractor to which it was supplied.

PART 7 (Details and limitations) should identify fully the extent of the installation covered by this report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Operational limitations may have been encountered during the inspection such as inability to gain access to parts of the installation or to an item of equipment. The inspector should have noted any such limitations in PART 7. It should be noted that the greater the limitations applying to a report, the less its value from the safety aspect.

A declaration should have been given by the inspector in PART 4 of the report. The declaration must reflect the statement given in PART 3, which summarises the observations and recommendations made in PART 6. Where one or more observations have been made in PART 6, the Classification code given to each by the inspector indicates the degree of urgency with which remedial action needs to be taken to restore the installation to a safe working condition.

Where the inspector has indicated an observation as code C1 (danger present) **the safety of those using the installation is at risk**. Wherever practicable, items classified as (C1) should be made safe on discovery, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work immediately.

Where the inspector has indicated an observation as code C2 (potentially dangerous) **the safety of those using the installation may be at risk**, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where the inspector has indicated that an item requires further investigation (FI), the investigation should be carried out without delay to determine whether danger or potential danger exists. For further guidance on the Classification codes, please see the reverse of page 2.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator or microgenerator, this should be identified in PART 8 *Supply Characteristics and Earthing Arrangements*, and the *Schedules of Circuit Details and Test Results* (PART 12) compiled accordingly.

Where inadequacies in the intake equipment have been observed (Item 1 of PART 10), the person ordering the inspection should inform the distributor and/or supplier as appropriate.

Should the person ordering this report have reason to believe that it does not reasonably reflect the condition of the electrical installation reported on, that person should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the person ordering this report may make a formal complaint to NICEIC, for which purpose a 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)



# GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES

## Only one Classification code should be given for each recorded Observation

### **Classification code C1 (Danger present)**

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

NICEIC makes available 'Electrical Danger Notification' forms to enable inspectors to record, and then to communicate to the person ordering the report, any dangerous condition discovered.

### **Classification code C2 (Potentially dangerous)**

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, urgent remedial action is required to remove potential danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at PART 5 of this report (Next Inspection) for the maximum interval until the next inspection is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively. It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

### **Classification code C3 (Improvement recommended)**

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

### **Code FI (Further investigation required without delay)**

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where 'FI' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing, could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (PART 3) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the NICEIC Approved Contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether or not danger or potential danger exists.

### **Further information**

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide No 4 *Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations*. The guide can be viewed or downloaded free of charge from [www.electricalsafetyfirst.org.uk](http://www.electricalsafetyfirst.org.uk)

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