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30961081

EICR18.3C

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with BS 7671: 2018 (as amended) – 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: 019933000	Branch No*: 000	Contractor Reference Number (CRN): N/A	Occupier: Nutfield C of E Primary School 158855.00		
Trading Title: Quantec Consultants Ltd		Name: Surrey CC on behalf of Corrigenda	UPRN: N/A		
Address: Unit 1, Oaks Business Village, Chatham, Kent		Address: Surrey County Council, Woodhatch, Cockshot Hill, Reigate, Surrey	Address: Mid Street South, Nutfield, Redhill, Surrey		
Postcode: ME5 8LF	Tel No: 01634865750	Postcode: RH2 8BF	Tel No: N/A	Postcode: RH1 4JJ	Tel No: N/A

PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required:
To meet the requirements of BS7671: 2018 & A2 2022 and our clients electrical testing regime.

Date(s) when inspection and testing was carried out: (20/12/2024) Records available (651.1): (N/A) Previous inspection report available (651.1): (N/A) Previous report date: (N/A)

PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety): Refer to Quantec Report No. F/4234-17A

Description of premises Dwelling: (N/A) Commercial: (N/A) Industrial: (N/A) Other (include brief description): Educational

Estimated age of electrical installation: (15) years Evidence of additions or alterations: (✓) if Yes, estimated age 2 years Overall assessment of the installation for continued use: Satisfactory/Unsatisfactory** (delete as appropriate)

**An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified (listed in PART 5 of this report) and it is recommended that these are acted upon as a matter of urgency.

PART 4 : DECLARATION

INSPECTION AND TESTING

I/We, being the person responsible for the inspection and testing of the electrical installation (as indicated by my/our signature below), particulars of which are described in PART 6, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (PART 5) and the attached Schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in PART 6 of this report.

Name (capitals) on behalf of the contractor identified in PART 1: BRADLEY KEATING Signature: [Signature] Date: 22/01/2025

I/We further RECOMMEND, subject to the necessary remedial action being taken, that the installation is inspected and tested by: 20/12/2029 (date)

Give reason for recommendation: In line with industry standard.

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.

REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE CONTRACTOR

Name (capitals) on behalf of the contractor identified in PART 1: IAN KEATING Signature: [Signature] Date: 22/01/2025

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PART 5 : OBSERVATIONS

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 Danger Present
Risk of injury. Immediate remedial
action required

Code C2 Potentially Dangerous
Urgent remedial action required

Code C3
Improvement Recommended

Code FI
Further Investigation Required

Referring to the **Schedule of Items Inspected** (see PART 9), the attached **Schedule of Circuit Details and Test Results** (see PART 11A & 11B), and subject to any **agreed limitations** listed in PART 6 –

No remedial action is required (☒), OR The following observations are made:

Item No	Observation(s)	Code	Location Reference
(1)	(3.1 See Report)	(C3)	()
(2)	(4.1 See Report)	(C3)	()
(3)	(4.7 See Report)	(C2)	()
(4)	(4.9 See Report)	(C3)	()
(5)	(4.14 See Report)	(C2)	()
(6)	(4.16 See Report)	(C3)	()
(7)	(4.17 See Report)	(FI)	()
(8)	(4.18 See Report)	(C2)	()
(9)	(5.10 See Report)	(C3)	()
(10)	(5.11 See Report)	(C2)	()
(11)	(5.15 See Report)	(C3)	()
(12)	(5.19 See Report)	(C2)	()
(13)	(6.8 See Report)	(C2)	()
(14)	(6.9 See Report)	(C2)	()
(15)	(6.13 See Report)	(C3)	()
(16)	(6.13 See Report)	(C3)	()
(17)	(6.14 See Report)	(C3)	()
(18)	(6.17 See Report)	(FI)	()
(19)	(6.18 See Report)	(C2)	()
(20)	(6.19 See Report)	(C2)	()

Immediate remedial action required for items: (N/A)

Urgent remedial action required for items: (3,5,8,10,12,13,14,19,20)

Improvement recommended for items: (1,2,4,6,9,11,15,16,17)

Further investigation required for items: (7,18)

Additional pages? (Yes) State page numbers: (9)

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PART 6 : DETAILS AND LIMITATIONS OF THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended to 2022 (date). 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 electrical installation covered by this report: Completed in accordance with client's specification/Quantec Consultants scope and limitations of testing. (see additional page No. N/A)

Agreed limitations including the reasons, if any, on the inspection and testing (653.2): Please refer to limitations within Quantec Report No. F/4234-17A

Agreed with (print name): N/A

Extent of sampling: As detailed in Sections 7-10 of Quantec Report No. F/4234-17A (see additional page No. N/A)

Operational limitations including the reasons: N/A (see additional page No. N/A)

PART 7 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements			Number and type of live conductors		Nature of supply parameters	
TN-C: (N/A)	TN-S: (✓)	TN-C-S: (N/A)	AC 1-phase, 2-wire: (N/A)	2-phase, 3-wire: (N/A)	Nominal voltage between lines, U [1]:	(415) V
TT: (N/A)	IT: (N/A)		3-phase, 3-wire: (N/A)	3-phase, 4-wire: (✓)	Nominal line voltage to Earth, U_0 [1]:	(230) V
Supply protective device			DC 2-wire: (N/A)	3-wire: (N/A)	Nominal frequency, f [1]:	(50) Hz
BS EN: (LIM)	Type: (N/A)	Rated current: (LIM) A	Confirmation of supply polarity: (✓)	Other: (N/A)	Prospective fault current, I_{pf} [2]*:	(2.66) kA
			Other sources of supply (Schedule of Test Results)	Page No: (N/A)	External earth fault loop impedance, Z_e [2]*:	(0.16) Ω

[1] By enquiry

[2] By enquiry or by measurement

PART 8 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Maximum demand (load): (N/A) XX /A (delete as appropriate)	Main protective conductors		Main protective bonding connections		Main switch / Switch-fuse / Circuit-breaker / RCD	
Means of Earthing	Earthing conductor:		Water installation pipes: (C3)		Location: (Main Intake in Boiler Room)	
Distributor's facility: (✓)	(material Copper)		Gas installation pipes: (C3)		BS EN: (60947-3)	
Installation earth electrode(s): (N/A)	csa (35) mm ² Connection/continuity verified: (✓)		Structural steel: (N/A)		Type: (3)	
Earth electrode type – rod(s), tape, etc: (None)	Main protective bonding conductors:		Oil installation pipes: (N/A)		Rating / setting of device: (63) A	
Location: (N/A)	(material Copper)		Lightning protection: (N/A)		No. of poles: (3)	
Electrode resistance to Earth: (N/A) Ω	csa (16) mm ² Connection/continuity verified: (✓)		Other (state): (N/A)		Current rating: (63) A	
			(N/A)		Voltage rating: (415) V	
			(N/A)		Where an RCD is used as the main switch	
			(N/A)		RCD rated residual operating current, $I_{\Delta n}$: (N/A) mA	
			(N/A)		RCD Type: (N/A)	
			(N/A)		Rated time delay: (N/A) ms	
			(N/A)		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 'F1' (codes to be recorded in PART 5, with additional comments (where appropriate) on attached numbered sheets)

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PART 9 : SCHEDULE OF ITEMS INSPECTED (enter ✓, N/A or Classification Code C1, C2, C3 or FI, as applicable)

1.0 Intake equipment (visual inspection only)

An outcome against an item in section 1.1, other than access to live parts, should not be used to determine the overall assessment of the installation. Where inadequacies are identified, a cross should be put against the appropriate item and a comment made in Part 5 of this report.

1.1 Distributor / supplier intake equipment

- Service cable (.....✓.....)
- Service head (.....✓.....)
- Earthing arrangement (.....✓.....)
- Meter tails (.....✓.....)
- Metering equipment (.....✓.....)
- Isolator, where present (N/A.....)

Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and / or dutyholder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority.

- 1.2 Consumer's isolator, where present (N/A.....)
- 1.3 Consumer's meter tails (.....✓.....)

2.0 Presence of adequate arrangements for parallel or switched alternative sources

- 2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6) (N/A.....)
- 2.2 Adequate arrangements where a generating set operates in parallel with the public supply (551.7) (N/A.....)

3.0 Methods of protection

3.1 Automatic disconnection of supply (ADS)

- Main earthing / bonding arrangement (411.3; Chap. 54) (.....✓.....)
- Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3) (.....✓.....)
- Adequacy of earthing conductor size (542.3; 543.1.1) (.....✓.....)
- Adequacy of earthing conductor connections (542.3.2) (.....✓.....)
- Accessibility of earthing conductor connections (543.3.2) (.....✓.....)
- Adequacy of main protective bonding conductor sizes (544.1.1) (C3.....)
- Adequacy and location of main protective bonding conductor connections (544.1.2) (.....✓.....)

- Accessibility of all protective bonding connections (543.3.2) (.....✓.....)
- Provision of earthing / bonding labels at all appropriate locations (514.13.1) (.....✓.....)

3.2 FELV - requirements satisfied (411.7) (N/A.....)

3.3 Other methods of protection

Where any of the methods listed below are employed, details should be provided on separate sheets

- Non-conducting location (418.1) (N/A.....)
- Earth-free local equipotential bonding (418.2) (N/A.....)
- Electrical separation (413; 418.3) (N/A.....)
- Double insulation (412) (N/A.....)
- Reinforced insulation (412) (N/A.....)
- Provisions where automatic disconnection of supply is not feasible (419) (N/A.....)

4.0 Distribution equipment, including consumer units and distribution boards

- 4.1 Adequacy of working space / accessibility to equipment (132.12; 513.1) (C3.....)
- 4.2 Security of fixing (134.1.1) (.....✓.....)
- 4.3 Condition of insulation of live parts (416.1) (.....✓.....)
- 4.4 Adequacy security of barriers or enclosures (416.2.3) (.....✓.....)
- 4.5 Condition of enclosure(s) in terms of IP rating, etc. (416.2) (.....✓.....)
- 4.6 Condition of enclosure(s) in terms of fire rating, etc. (421.1.201; 421.1.6; 526.5) (.....✓.....)
- 4.7 Enclosure not damaged / deteriorated so as to impair safety (651.2) (C2.....)
- 4.8 Presence and effectiveness of obstacles (417.2) (.....✓.....)
- 4.9 Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2) (C3.....)
- 4.10 Operation of main switch(es) (functional check) (643.10) (.....✓.....)
- 4.11 Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (643.10) (.....✓.....)
- 4.12 Confirmation that integral test button / switch causes RCD(s) to trip when operated (functional check) (643.10) (.....✓.....)
- 4.13 RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.4.5; 411.5.2; 531.2) (.....✓.....)
- 4.14 RCD(s) provided for additional protection / requirements, where required - includes RCBOs (411.3.3; 415.1) (C2.....)
- 4.15 Presence of RCD six-monthly test notice, where required (514.12.2) (.....✓.....)

- 4.16 Confirmation that integral test button / switch, where present, causes AFDD to trip when operated (643.10) (C3.....)
- 4.17 Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) (FI.....)
- 4.18 Presence of alternative supply warning notice at or near equipment, where required (514.15) (C2.....)
- 4.19 Presence of next inspection recommendation label, where required (514.12.1) (.....✓.....)
- 4.20 Presence of other required labelling (please specify) (514) (N/A.....)
- 4.21 Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (432; 433; 434) (.....✓.....)
- 4.22 Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) (.....✓.....)
- 4.23 Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11) (.....✓.....)
- 4.24 Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1) (.....✓.....)
- 4.25 Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1) (.....✓.....)

5.0 Distribution circuits

- 5.1 Identification of conductors (514.3) (.....✓.....)
- 5.2 Cables correctly supported throughout their run (521.10.202; 522.8.5) (.....✓.....)
- 5.3 Condition of insulation of live parts (416.1) (.....✓.....)
- 5.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) (.....✓.....)
- 5.5 Suitability of containment systems for continued use (including flexible conduit) (522) (.....✓.....)
- 5.6 Cables correctly terminated in enclosures (526) (.....✓.....)
- 5.7 Examination of cables for signs of unacceptable thermal or mechanical damage / deterioration (421.1; 522.6) (.....✓.....)
- 5.8 Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (523) (.....✓.....)

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5.9	Adequacy of protective devices; type and rated current for fault protection (411.3)	(.....✓.....)	6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	(.....✓.....)	* For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	(C3.....)		
5.10	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	(C3.....)	6.3	Condition of insulation of live parts (416.1)	(.....✓.....)	* For final circuits supplying luminaires within domestic (household) premises (411.3.4)	(N/A.....)		
5.11	Coordination between conductors and overload protective devices (433.1; 533.2.1)	(C2.....)	6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	(.....✓.....)	* Older installations designed prior to BS 7671: 2018 may not have required RCDs for additional protection.			
5.12	Cable installation methods / practices with regard to the type and nature of installation and external influences (522)	(.....✓.....)	6.5	Suitability of containment systems for continued use (including flexible conduit) (522)	(.....✓.....)	6.14	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	(C3.....)	
5.13	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	(.....✓.....)	6.6	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation (523)	(.....✓.....)	6.15	Band II cables segregated / separated from Band I cables (528.1)	(.....✓.....)	
5.14	Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204) –		6.7	Adequacy of protective devices; type and rated current for fault protection (411.3)	(.....✓.....)	6.16	Cables segregated / separated from non-electrical services (528.3)	(.....✓.....)	
	▪ Installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202)	(N/A.....)	6.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	(C2.....)	6.17	Termination of cables at enclosures - identify / record numbers and locations of items inspected (526) –		
	▪ Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204)	(N/A.....)	6.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	(C2.....)		▪ Connection under no undue strain (526.6)	(.....✓.....)	
5.15	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	(C3.....)	6.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (522)	(.....✓.....)		▪ No basic insulation of a conductor visible outside enclosure (526.8)	(.....✓.....)	
5.16	Band II cables segregated / separated from Band I cables (528.1)	(.....✓.....)	6.11	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	(.....✓.....)		▪ Connections of live conductors adequately enclosed (526.5)	(FI.....)	
5.17	Cables segregated / separated from non-electrical services (528.3)	(.....✓.....)	6.12	Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204) –			▪ Adequately connected at point of entry to enclosure (glands, bushes, etc.) (522.8.5)	(.....✓.....)	
5.18	Condition of circuit accessories (651.2)	(.....✓.....)		▪ Installed in prescribed zones (see Section D. <i>Extent and limitations</i>) (522.6.202)	(N/A.....)	6.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	(C2.....)	
5.19	Suitability of circuit accessories for external influences (512.2)	(C2.....)		▪ Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204)	(N/A.....)	6.19	Suitability of accessories for external influences (512.2)	(C2.....)	
5.20	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	(.....✓.....)	6.13	Provision of additional protection by RCD having rated residual operating current not exceeding 30 mA –		6.20	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	(.....✓.....)	
5.21	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected (526)	(.....✓.....)		▪ *For all socket-outlets of rating 32 A or less (411.3.3)	(C3.....)	7.0 Isolation and switching			
5.22	Presence, operation and correct location of appropriate devices for isolation and switching (Chap. 46; 537)	(.....✓.....)	Additional protection by RCD may not have been provided as a noted exception in certain non-domestic installations covered by indent (ii) of Regulation 411.3.3.				7.1	Isolators –	
5.23	General condition of wiring system (651.2)	(.....✓.....)		▪ *For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	(N/A.....)			▪ Presence and condition of appropriate devices (462; 537.2)	(.....✓.....)
5.24	Temperature rating of cable insulation (522.11; Table 52.1)	(.....✓.....)		▪ *For cables concealed in walls at a depth of less than 50 mm (522.6.202)	(N/A.....)			▪ Acceptable location - state if local or remote from equipment in question (462; 537.2.7)	(.....✓.....)
6.0 Final circuits								▪ Capable of being secured in the OFF position (462.3)	(.....✓.....)
6.1	Identification of conductors (514.3)	(.....✓.....)						▪ Correct operation verified (643.10)	(.....✓.....)
								▪ Clearly identified by position and / or durable marking (537.2.7)	(.....✓.....)
								▪ Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	(.....✓.....)

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7.2	Switching off for mechanical maintenance –		8.5	Security of fixing (134.1.1)	(.....✓.....)	▪ Low voltage (e.g. 230 volt) socket-outlets sited at least 2.5 m from zone 1 (701.512.3)	(N/A.....)
	▪ Presence and condition of appropriate devices (464.1; 537.3.2)	(.....✓.....)	8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: list number and location of luminaires inspected (separate page) (527.2)	(.....✓.....)	▪ Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	(N/A.....)
	▪ Capable of being secured in the OFF position where not under continuous supervision (464.2)	(.....✓.....)	8.7	Recessed luminaires (downlighters) –	(.....✓.....)	▪ Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	(N/A.....)
	▪ Correct operation verified (643.10)	(.....✓.....)		▪ Correct type of lamps fitted (559.3.1)	(.....✓.....)	▪ Suitability of current-using equipment for particular position within the location (701.55)	(N/A.....)
	▪ Clearly identified by position and / or durable marking (537.3.2.4)	(.....✓.....)		▪ Installed to minimise build-up of heat by use of “fire rated” fittings, insulation displacement box or similar (421.1.2)	(.....✓.....)	9.2	Other special installations or locations –
7.3	Emergency switching off –			▪ No signs of overheating to surrounding building fabric (559.4.1)	(.....✓.....)	N/A	(N/A.....)
	▪ Presence and condition of appropriate devices (465; 537.3.3; 537.4)	(.....✓.....)		▪ No signs of overheating to conductors / terminations (526.1)	(.....✓.....)		(.....)
	▪ Readily accessible for operation where danger might occur (537.3.3.6)	(.....✓.....)	9.0	Special locations and installations			(.....)
	▪ Correct operation verified (643.10)	(.....✓.....)		Where special installations or locations relating to a particular Section of Part 7, an additional Inspection Schedule(s) should be provided on separate pages.			(.....)
	▪ Clearly identified by position and / or durable marking (537.3.3.5; 537.3.3.6; 537.4.3; 537.4.4)	(.....✓.....)	9.1	Location(s) containing a bath or shower –			(.....)
7.4	Functional switching –			▪ Additional protection by RCD having rated residual operating current not exceeding 30 mA for all low voltage (LV) circuits serving the location or passing through zones 1 and / or 2 of the location (701.411.3.3)	(N/A.....)	10.0	Prosumer's low voltage installation
	▪ Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	(.....✓.....)		▪ Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	(N/A.....)		(N/A.....)
	▪ Correct operation verified (643.10)	(.....✓.....)		▪ Shaver supply units complying with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	(N/A.....)		Where elements of a prosuming installation falling within the scope of Chapter 82 are covered by the report, additional schedules detailing the associated inspection and testing should be provided on separate pages.
8.0	Current-using equipment (permanently connected)			▪ Presence of supplementary bonding conductors, unless not required by BS 7671: 2018 (701.415.2)	(N/A.....)		Schedule of Items Inspected by
8.1	Condition of equipment in terms of IP rating, etc. (416.2; 422.3; 422.4; 522.4)	(.....✓.....)					Name (capitals): BRADLEY KEATING
8.2	Equipment does not constitute a fire hazard (421)	(.....✓.....)					Signature:  Date: 22/01/2025
8.3	Enclosure not damaged / deteriorated so as to impair safety (134.1.1; 416.2)	(.....✓.....)					
8.4	Suitability for the environment and external influences (512.2)	(.....✓.....)					

PART 10 : SCHEDULES AND ADDITIONAL PAGES (the pages identified are an essential part of this report (see Regulation 653.2))

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 9.2 above)	Schedules relating to Prosumer's installations (indicated in item 10 above)	Continuation sheets
Page No(s): (.....4, 5 & 6.....)	Page No(s): (.....7 & 8.....)	Page No(s): (None.....)	Page No(s): (None.....)	Page No(s): (None.....)	Page No(s): (None.....)



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EICR18.3C

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with *BS 7671: 2018* (as amended) – Requirements for Electrical Installations

PART 11A : SCHEDULE OF CIRCUIT DETAILS (GO TO Part 11B 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

[illegible]

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: N/A

Location of DB: N/A

$$Z_{db} \cdot \frac{\text{N/A}}{\dots} \dots (\Omega) \quad I_{pf \text{ at DB}} \cdot \frac{\text{N/A}}{\dots} \dots (\text{kA})$$

Confirmation of supply polarity: (N/A) Phase sequence confirmed†: (N/A)

SPD Details** Types: T1 (N/A) , T2 (N/A) , T3 (N/A) , N/A (N/A)

Status indicator checked (where functionality indicator is present): (N/A)

**SPD Type.

Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.

Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 11B),

(See Section 534 for further details).
Note that not all SPDs have visible
functionality indication.

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 protective device for the distribution circuit

BS (EN): (N/A) Type: (N/A) Nominal voltage: (N/A) V Rating: (N/A) A No. of phases: (N/A)

Associated RCD (if any)

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

This report is based on the model forms shown in Appendix 6 of BS 7671: 2018 (as amended)
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Enter a (✓) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A

† Where applicable. *Where figure is not taken from BS 7671, state source: N/A Page 7 of 9

Original (to the person ordering the work)



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

30961081

EICR18.3C

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with *BS 7671: 2018* (as amended) – Requirements for Electrical Installations

PART 11B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 11A)

[illegible]

Circuits/equipment vulnerable to damage when testing (where applicable): N/A

TESTED BY Name (capital): BRADLEY KEATING Position: Engineer Signature:  Date: 22/01/2025

TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)

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

* RCD effectiveness is verified using an alternating current test at rated residual operating current ($I_{\Delta n}$)

** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

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	Other (state) <u>N/A</u>
---------------------------------	--	---	---	--	--	---------------------------------------	---------------------------------------	-------------------------------------	--------------------------

This certificate is based on the model forms shown in Appendix 6 of BS 7671: 2018 (as amended)
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Enter a (✓), (X) or value in the respective fields, as appropriate
Where an item is not applicable insert N/A

Original (to the person ordering the work)

CONTINUATION SHEET: EICR

Issued in accordance with BS 7671: 2018 (as amended) – Requirements for Electrical Installations

PART 5 : OBSERVATIONS

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 Danger Present
Risk of injury. Immediate remedial
action required

Code C2 Potentially Dangerous
Urgent remedial action required

Code C3
Improvement Recommended

Code FI
Further Investigation Required

Referring to the **Schedule of Items Inspected** (see PART 9), the attached **Schedule of Circuit Details and Test Results** (see PART 11A & 11B), and subject to any **agreed limitations** listed in PART 6 –

No remedial action is required (.....), OR The following observations are made:

Item No	Observation(s)	Code	Location Reference
(21)	(.....) Gas installation pipes	(C3.....)	(.....)
(22)	(.....) Water installation pipes	(C3.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)
(.....)	(.....)	(.....)	(.....)

Additional pages? (.....) State page numbers: (.....)

Immediate action required for items: (N/A.....)

Improvement recommended for items: (21,22.....)

Urgent remedial action required for items: (N/A.....)

Further investigation required for items: (N/A.....)

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 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 contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given for the next inspection date in PART 4 of this report 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 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 (entered in PART 6), 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 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

For further information about electrical safety and how NICEIC can help you, visit
www.niceic.com

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* (as amended) – 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 5), together with any items for which improvement is recommended.

You should have received the report marked 'Original' and the contractor should retain a duplicate. If you were the person ordering this report, but not the owner or 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 owner or user of the installation.

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.

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 contractor for the inspection. Only an NICEIC contractor is authorised to issue this NICEIC Electrical Installation Condition Report, which has a unique serial number that is traceable to the contractor to which it was supplied by NICEIC.

The recommended date by which the next inspection should be carried out is stated in PART 4 of this report. With the exception of domestic (household) premises, 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.

This report 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 eight numbered pages. The report is only valid if the Schedule of Items Inspected (PART 9) has been completed to confirm that all relevant inspections have been carried out and the Schedule of Circuit Details (PART 11A) and the Schedule of Test Results (PART 11B) are attached. For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded in PARTS 11A & 11B, one or more additional Schedule of Circuit Details and Schedule of Test Results, should form part of the report. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. The report is invalid if any of the additional pages, listed in PART 10 are missing.

Where the installation includes a residual current device (RCD) it should be tested every six months by pressing the button marked "T" or "Test". The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed.

Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions should be followed with respect to test button operation.

Where the installation includes a surge protection device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice.

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 7 Supply Characteristics and Earthing Arrangements, and the Schedules of Circuit Details and Schedule of Test Results (PARTS 11A & 11B) compiled accordingly.

PART 6 (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 6. 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 5. Where one or more observations have been made in PART 5, 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 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 inadequacies in the intake equipment have been observed (Item 1 of PART 9), 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 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).

For further information about electrical safety and how NICEIC can help you, visit:

www.niceic.com

* 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).

GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES

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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 contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given for the next inspection date in PART 4 of this report 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.

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CORRIGENDA FACILITIES SERVICES

ELECTRICAL INSTALLATION CONDITION REPORT

**NUTFIELD C OF E PRIMARY SCHOOL 158855.00
MID STREET SOUTH
NUTFIELD
REDHILL
SURREY
RH1 4JJ**

20 DECEMBER 2024

CERTIFICATE NUMBER: 30961081/EICR18.3C

**THE RESULT OF THIS ELECTRICAL INSTALLATION
CONDITION REPORT IS: UNSATISFACTORY**

QUANTEC

1 THE OAKS BUSINESS VILLAGE, REVENGE ROAD, LORDSWOOD, CHATHAM,
KENT ME5 8LF TELEPHONE: 0300 303 4211 - EMAIL: ENQUIRIES@QUANTEC.LTD



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Installation Summary

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Abbreviations

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Copy of NICEIC Periodic Test Certificate

Appendix 4

General Scope and Limitations of Testing (if applicable)

QUANTEC CONSULTANTS LIMITED
ELECTRICAL INSTALLATION CONDITION REPORT
SURVEY SUMMARY SHEET

CLIENT:	CORRIGENDA FACILITIES SERVICES
TEST & INSPECTION ADDRESS:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00 MID STREET SOUTH NUTFIELD REDHILL SURREY RH1 4JJ
FUNCTION OF PREMISES:	EDUCATIONAL
DATE OF INSPECTION:	20 DECEMBER 2024
RECOMMENDED NEXT TEST DATE:	20 DECEMBER 2029
INSPECTING ENGINEER:	B. KEATING & R. DIAS
PHOTOGRAPHS OF INSTALLATION PROVIDED:	N/A
GROSS INTERNAL AREA (SQ METRES):	N/A
APPROXIMATE AGE OF INSTALLATION:	15+ YEARS

CONDITION OF INSTALLATION COVERED BY THIS REPORT
REFER TO SECTION 15A

CATEGORY CODE C1	
CATEGORY CODE C2	ü
CATEGORY CODE C3	ü
CATEGORY CODE H&S	ü
CATEGORY CODE Information	ü
CATEGORY CODE Lim	ü
CATEGORY CODE F/I	ü
CATEGORY CODE X	

CATEGORY CODE DEFINITIONS FOR REMEDIAL WORKS

CODE 1	- 'Danger present'. Risk of injury. Immediate remedial action required.
CODE 2	- 'Potentially dangerous'. Urgent remedial action required.
CODE 3	- 'Improvement recommended'.
CODE H&S	- Constitutes a possible Health & Safety hazard.
CODE Information	- Additional improvement may be required.
CODE Lim	- Indicates a Limitation
CODE F/I	- Further Investigation required without delay
CODE X	- Observed defects of Suppliers Equipment

Attention: Any dangerous conditions will be reported to the client's site contact and Quantec Consultants Ltd office, and where possible be made safe at the time of inspection.

WARNING

**ANY NECESSARY WORK TO THIS INSTALLATION
SHOULD ONLY BE UNDERTAKEN BY A SUITABLY
QUALIFIED AND COMPETENT PERSON EXERCISING
CAUTION AND ACTING IN COMPLIANCE WITH THE
ELECTRICITY AT WORK REGULATIONS 1989.**

**BEFORE COMMENCING WORK ON ANY PART OF THE
ELECTRICITY SYSTEM - EQUIPMENT AND SERVICES
MUST BE ISOLATED, LOCKED OFF AND PROVED DEAD.**

**WARNING NOTICES SHOULD BE APPROPRIATELY
DISPLAYED AT SUCH TIMES.**

INSTALLATION SUMMARY	
MAINS DISTRIBUTION AND INCOMING SUPPLY	
The incoming 70mm ² PILC supply cable and main distribution are of an adequate size and are in a poor condition.	
FINAL DISTRIBUTION	
The final circuit wiring is mainly PVCS, XLPE/SWA, T/E, FP200/400, LSF & MICC cables that are supplied from MCB or rewirable distribution boards that are in a poor condition.	
ACCESSORIES	
The accessories inspected are generally in reasonable condition and appear to have been well maintained.	
EARTHING	
The earthing and bonding arrangements require upgrading to meet the requirements of BS7671:2018 + A2 2022.	
EQUIPMENT	
The equipment inspected is generally in a reasonable condition.	
MAINTENANCE OF PHASE SEQUENCE	
Throughout the installation the maintenance of phase sequence complies with BS7671:2018 + A2 2022.	
VOLTAGE DROP	
Throughout the installation the voltage drop complies with BS7671:2018 + A2 2022.	
ANY OTHER RELEVANT INFORMATION (i.e. areas not tested or not accessible)	
See 15A	
ANY DEVIATIONS OR EXCLUSIONS FROM REPORT	
The fire alarm system was excluded. The emergency lighting system was not fully tested to BS5266. It was not possible to verify the rating of the supply authority fuses due to access restrictions. The fuses were assumed to be rated at 300A. Any asbestos containing material (ACM) found during Inspection and Testing will be identified in the appropriate ACM box in the relevant section of the report. Further testing should be carried out after the asbestos has been removed. No dead testing will be carried out but, if possible, existing circuit descriptions will be used to allow live testing results to be obtained.	

SECTION 1 - TEST EQUIPMENT CALIBRATION DETAILS

TEST KIT No: 32 & 67

[illegible]

SECTION 2 - ELECTRICAL SUPPLY & LOADING						
Building: Main Building			Location (within building): Main Intake In Boiler Room			
A. Supply details						Comments
Consumer tails:	35.0mm ² PVC/PVC	Phase rotation correct: Yes				
Main Earthing Conductor:	35.0mm ² BRAID					
Earthing system:	TN-S					
B. Amps/Phase	L1	L2	L3	Single Phase		Comments
1. Service Head	300	300	300			
2. Load readings taken	23	10	35			See 15A
3. Assumed load connected	70	70	70			
4. Spare capacity (1 minus 3)	230	230	230			
C. Voltage						
1. L1 Phase to Neutral	241					
2. L2 Phase to Neutral		241				
3. L3 Phase to Neutral			235			
4. Between Phases	L1-L2: 418	L2-L3: 418	L3-L1: 417		P-N:	
D. Line Earth Fault Loop Impedance (Ze) at Origin			Ze			
1. At or adjacent to service head (Ohms)			0.16			
E. Prospective Fault and Short Circuit Current at Origin			P-E	P-N	P-P	
1. Measured (state if calculated) (kA)			1.37	1.33	2.66 (Calculated)	

SECTION 3 - BONDING DETAILS						
Building: Main Building						
A. Bonding of Services	Gas	Water	Oil	Lightning Protection	Structural Steel	Comments
1. Service installed	Yes	Yes	No	No	No	
2. Position	Gas Valve Cupboard Adjacent To Kitchen	Adjacent Main Intake	N/A	N/A	N/A	
3. Service bonded	Yes	Yes	N/A	N/A	N/A	
4. Location (within 600mm)	No	Yes	N/A	N/A	N/A	See 15A
5. Size & type of bond	16.0mm ² PVCS	16.0mm ² PVCS	N/A	N/A	N/A	See 15A
6. Condition (satisfactory)	Yes	Yes	N/A	N/A	N/A	
7. Continuity (Ω)	0.02	0.02	N/A	N/A	N/A	
B. Bonding						
Supplementary Bonding	1. Special locations	N/A				
Water Meter	2. Meter installed	No				
	3. Bonded	N/A				

SECTION 3 - BONDING DETAILS (Additional buildings)						
Building: External PE Shed						
A. Bonding of Services	Gas	Water	Oil	Lightning Protection	Structural Steel	Comments
1. Service installed	No	No	No	No	No	
2. Position	N/A	N/A	N/A	N/A	N/A	
3. Service bonded	N/A	N/A	N/A	N/A	N/A	
4. Location (within 600mm)	N/A	N/A	N/A	N/A	N/A	
5. Size & type of bond	N/A	N/A	N/A	N/A	N/A	
6. Condition (satisfactory)	N/A	N/A	N/A	N/A	N/A	
7. Continuity (Ω)	N/A	N/A	N/A	N/A	N/A	I/O
Supplementary Bonding	1. Special locations	N/A				I/O
Water Meter	2. Meter installed	N/A				
	3. Bonded	N/A				

SECTION 3 - BONDING DETAILS (Additional buildings)						
Building: External Rabbit Cabin						
A. Bonding of Services	Gas	Water	Oil	Lightning Protection	Structural Steel	Comments
1. Service installed	No	No	No	No	No	
2. Position	N/A	N/A	N/A	N/A	N/A	
3. Service bonded	N/A	N/A	N/A	N/A	N/A	
4. Location (within 600mm)	N/A	N/A	N/A	N/A	N/A	
5. Size & type of bond	N/A	N/A	N/A	N/A	N/A	
6. Condition (satisfactory)	N/A	N/A	N/A	N/A	N/A	
7. Continuity (Ω)	N/A	N/A	N/A	N/A	N/A	I/O
Supplementary Bonding	1. Special locations	N/A				I/O
Water Meter	2. Meter installed	N/A				
	3. Bonded	N/A				

[illegible]

Test Kit No: 32 & 67

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

1	DB	Client DB Ref: None	Location:	External Rabbit Cabin										Phase:	L1	
		Manufacturer: Wylex	Supplied From:	Item (5/7)					Phase rotation correct:		N/A		Zs(DB):	0.26	Ω	
		Model of DB: NSB Type MCBS	Sub-main Cable size/type:	16mm ² XLPE/SWA		Isolator:	30mA RCD	100A	SPN	Integral		PSCC:	0.21	kA		

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/N): N
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

2	DB	Client DB Ref: None	Location:	School Kitchen							Phase:	L1L2L3		
		Manufacturer: Eaton	Supplied From:	Item (5/5)				Phase rotation correct:		Yes		Zs(DB):	0.19	Ω
		Model of DB: Mem 3	Sub-main Cable size/type:	16mm ² XLPE/SWA		Isolator:	125A TPN Integral				PSCC:	2.46	kA	

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/V): N
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

3	DB	Client DB Ref: DB 1	Location:	Corridor To Staffroom							Phase:	L3	
		Manufacturer: Hager	Supplied From:	Item (5/6)				Phase rotation correct:		N/A	Zs(DB):	0.17	Ω
		Model of DB: NC 1	Sub-main Cable size/type:	16mm ² T/E	Isolator:	80A	SPN	Integral	PSCC:	1.34	kA		

Date: 20 December 2024	Tested by:	Test Kit No:	Attention - 15A (Y,N): N	ACM (Y,N,N/V): N
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Circuit Number	Circuit Description	Protective device				Max. disconnection time (BS 7671) (s)	Circuit conductor csa		Type of wiring	SPN or TPN	Polarity (U)	Reference Method (BS 7671)	Circuit impedances (Ω)			Insulation Resistance			(R ₁ + R ₂)	Max measured earth fault loop impedance Z _s (Ω)	Maximum permitted Z _s for installed protective device (Ω)	RCD	RCD operating time 1x (ms)	RCD Type	Test buttons	
		Rating (A)	Device	Type	Short-circuit capacity (kA)		Live (mm ²)	cpc (mm ²)					(Line)	(Neutral)	(cpc)	Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)				Operating current, I _{r n} (mA)			RCD (U)	AFDD (U)
1	DB (6/4) Adjacent	63	MCB	C	10.0	5	16	10	PVCS	SPN	Yes	B	N/A	N/A	N/A	N/A	200	500	0.01	0.18	0.35					
2	Ltg Staffroom, PPA Office & Corridor Adjacent DB	6	MCB	C	10.0	0.4	2x1.5	2x1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.48	0.65	3.64					
3	Ltg Year 1 Cloakroom	6	MCB	C	10.0	0.4	1.5	1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.77	0.94	3.64					
4	Ltg & EL Main Entrance, Entrance Lobby & Corridor To Hall	6	MCB	C	10.0	0.4	1.5	1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.47	0.64	3.64					
5	Ltg Part Reception Class RHS & LHS	6	MCB	C	10.0	0.4	1.5	1	LSF- T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.57	0.74	3.64					
6	Ltg Part Reception Class Centre RHS & Centre LHS	6	MCB	C	10.0	0.4	2x1.5	2x1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.56	0.73	3.64					
7	Ltg Part Reception Class Cloak Room & FCU Extract Fans & Store	6	MCB	C	10.0	0.4	1.5	1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.60	0.77	3.64					
8	Ltg Part Year 1 Class Centre RHS & RHS	6	MCB	C	10.0	0.4	1.5	1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.75	0.92	3.64					
9	Ltg Part Year 1 Class Centre LHS & LHS	6	MCB	C	10.0	0.4	1.5	1	T/E	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.81	0.98	3.64					
10	Ltg Year 2 Class, Cloakroom, WC & Store & FCU Extract Fans WC	6	MCB	C	10.0	0.4	2x1.5	2x1	LSF	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.85	1.02	3.64					
11	Ltg Main Entrance Disabled WC, Corridor To Kitchen. Reception Office, Head Teacher Office, Kitchen Changing Room, Kitchen WC & Extract Fans	6	MCB	C	10.0	0.4	2x1.5	2x1	LSF	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.52	0.69	3.64					
12	Ltg Corridor Adjacent Kitchen Office, Kitchen Office, Dry Storage & Store Room Adjacent Dry Store	10	MCB	C	10.0	0.4	1.5	1	LSF	SPN	Yes	B/C	N/A	N/A	N/A	N/A	200	500	0.51	0.68	2.19					
																				</						

[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

5	DB	Client DB Ref: None	Location:	Year 6 Store Cupboard							Phase:	L1		
		Manufacturer: Hager	Supplied From:	Live side of DB (6/6)				Phase rotation correct:		N/A		Zs(DB):	0.26	Ω
		Model of DB: MT132	Sub-main Cable size/type:	25mm ² PVC/PVC		Isolator:	100A SPN Integral					PSCC:	0.81	kA

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/N): N
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

6	DB	Client DB Ref: None	Location:	Year 6 Store Cupboard							Phase:	L1	
		Manufacturer: MEM	Supplied From:	Item (5/6)			Phase rotation correct:		N/A		Zs(DB):	0.27	Ω
		Model of DB: MEMWAY	Sub-main Cable size/type:	16mm ² T/E	Isolator:	None				PSCC:	0.83	kA	

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/V): Y
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

7	DB	Client DB Ref: None	Location:	Reception Class Art Store						Phase:	L2	
		Manufacturer: MEM	Supplied From:	Item (5/4)			Phase rotation correct:		N/A	Zs(DB):	0.28	Ω
		Model of DB: Memera 2000 - Mem 2 MCBs	Sub-main Cable size/type:	10mm ² XLPE/SWA		Isolator:	100A SPN Integral			PSCC:	0.82	kA

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): N	ACM (Y,N,N/V): N
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

8	DB	Client DB Ref: None	Location:	External PE Shed										Phase:	L1	
		Manufacturer: Sector	Supplied From:	DB (6/5) cct 4					Phase rotation correct:		N/A		Zs(DB):	0.60	Ω	
		Model of DB: SV MCB	Sub-main Cable size/type:	6mm ² XLPE/SWA		Isolator:	30mA RCD	80A	SPN	Integral		PSCC:	0.38	kA		

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): N	ACM (Y,N,N/V): N
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

9	DB	Client DB Ref: None	Location:	Main Intake In Boiler Room							Phase:	L1		
		Manufacturer: MEM	Supplied From:	Item (5/10)				Phase rotation correct:		N/A		Zs(DB):	0.27	Ω
		Model of DB: Memway	Sub-main Cable size/type:	16mm ² PVCS	Isolator:	60A	SPN	Integral		PSCC:	1.66	kA		

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/V): Y
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

10	DB	Client DB Ref: None	Location:	Corridor Adjacent Hall / Library						Phase:	L2	
		Manufacturer: MEM	Supplied From:	Item (5/6)			Phase rotation correct:	N/A		Zs(DB):	0.33	Ω
		Model of DB: Memway	Sub-main Cable size/type:	16mm ² T/E	Isolator:	None				PSCC:	0.69	kA

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/N): Y
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE	
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11	Client DB Ref: None	Location:	Stock Room Adjacent Library							Phase:	L1		
	Manufacturer: MEM	Supplied From:	Item (5/1)				Phase rotation correct:		N/A		Zs(DB):	0.22	Ω
	Model of DB: Memway	Sub-main Cable size/type:	16mm ² PVCS		Isolator:	60A SPN Local			PSCC:	1.05	kA		

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/V): Y
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[illegible]

SECTION 6 - DISTRIBUTION BOARD TEST RESULT SCHEDULE

12	DB	Client DB Ref: None	Location:	Stock Room Adjacent Library							Phase:	L1	
		Manufacturer: MEM	Supplied From:	Item (5/1)			Phase rotation correct:		N/A		Zs(DB):	0.23	Ω
		Model of DB: Memway	Sub-main Cable size/type:	16mm ² PVCS	Isolator:	60A	SPN	Local		PSCC:	1.01	kA	

Date: 20 December 2024	Tested by: B. KEATING & R. DIAS	Test Kit No: 32 & 67	Attention - 15A (Y,N): Y	ACM (Y,N,N/V): Y
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[illegible]

[illegible]

SECTION 7 - SOCKET OUTLET TEST RESULTS

All socket outlets were inspected and tested

Yes

Provide details in section 15A of any faults / potentially dangerous items observed / items not tested during the test and inspection

See 15A

SECTION 8 - FIXED EQUIPMENT TEST RESULTS10% of all fixed equipment was Inspected and Tested **including one from the extremity of each circuit****Yes**

Provide details in section 15A of any faults / potentially dangerous items observed / items not tested during the test and inspection

SECTION 9 - LUMINAIRES TEST RESULT10% of all luminaires were Inspected and Tested **including one from the extremity of each circuit****Yes**

Provide details in section 15A of any faults / potentially dangerous items observed / items not tested during the test and inspection

See 15A

SECTION 10 - EXTERNAL LUMINAIRES TEST RESULTS10% of all external luminaires were Inspected and Tested **including one from the extremity of each circuit****Yes**

Provide details in section 15A of any faults / potentially dangerous items observed / items not tested during the test and inspection

SECTION 11 - FIRE ALARMS VISUAL INSPECTION

The fire alarm equipment was visually inspected only – Not tested to the requirements of BS5839

Yes

Provide details in section 15A of any faults / potentially dangerous items observed

SECTION 12 - EMERGENCY LIGHTING VISUAL INSPECTION

The emergency lighting equipment was visually inspected only – Not tested to the requirements of BS5266

Yes

Provide details in section 15A of any faults / potentially dangerous items observed

SECTION 13 - PORTABLE EQUIPMENT

The portable appliances were excluded from the survey

N/A

Provide details in section 15A of any faults / potentially dangerous items observed

SECTION 14 - ADDITIONAL INFORMATION

1.	Were there any areas not accessible?	See 15A
2.	Is work by a Supply Authority required - Seepages of oil/compound, overloading of supply cables/metering etc?	No
3.	Is work by others required - painting/de-rusting requirement/repair of dampness/water seepage?	No
4.	Is the main switchgear/distribution equipment satisfactory and achieves necessary discrimination?	Yes
5.	Is the supply capacity adequate and is the load evenly balanced?	See 15A
6.	Are there any signs of obsolescence/overheating throughout the main switchgear/sub-mains etc?	No
7.	Is switchgear labelled stating its function and downrating of fuses?	Yes
8.	Is clearance of rubbish necessary from switchroom/switchgear where reasonable access is required under Health and Safety at Work Act (1 metre clearance recommended at all times)?	See 15A
9.	Are warning notices, phase indicators, treatment of electric shock notices fitted?	See 15A
10.	Are fire barriers to risers etc fitted?	See 15A
11.	Is rubber matting fitted adjacent to switchgear?	See 15A
12.	Are all earthing arrangements satisfactory - i.e. main earth, equipotential bonding and supplementary bonding?	See 15A
13.	Do redundant cables/distribution equipment need to be removed?	See 15A
14.	Is there maintained emergency lighting installed in riser/mains cupboard?	See 15A
15.	Are risers locked to prevent unauthorised access?	Yes
16.	Is all equipment fitted with an adequate means of local isolation?	Yes
17.	Are all mechanical interlocking devices operational?	Yes
18.	Are 400V, isolate elsewhere or two sources of supply labels fitted?	Yes
19.	Condition of containment, trunking, conduit and associated accessories?	Satisfactory
20.	Is a lightning protection system installed and is it bonded to the main earth system?	No - No
21.	Are there any other conditions likely to cause danger or be in breach of the Electricity at Work regulations 1989? If yes, please give details below.	No

COMMENTS:

NOTE: Any additional information relative to the installation to be added by the inspecting engineer as necessary, including any recommendations

SECTION 15A - OBSERVATIONS / RECOMMENDATIONS / BUDGET COSTS				
Ref No.	Section	Item	Comments	Category Code
1	GEN	1	A full risk assessment should be undertaken of this installation to determine the requirements for surge protection in accordance with BS 7671: 2018 + A2 2022.	Info.
2	GEN	2	Arc fault detection devices (AFDD) conforming to BS EN 62606 shall be provided for single-phase AC final circuits supplying socket-outlets with a rated current not exceeding 32A in: - Higher Risk Residential Buildings (HRRB) – A building more than 18m in height or six storeys, whichever is met first. - Houses in Multiple Occupation (HMO). - Purpose-built student accommodation. - Care homes. For all other premises, the use of AFDDs conforming to BS EN 62606 is recommended for single-phase AC final circuits supplying socket-outlets not exceeding 32A.	C3
3	GEN	3	All cables that are concealed in a wall or partition at a depth of less than 50mm from the surface of the wall or partition that are not installed within an earthed metallic covering shall be provided with additional protection by means of a 30mA RCD or 30mA RCBO to comply with the current edition of BS7671: 2018 + A2 2022.	C3
4	GEN	4	Any S/O with a rated current not exceeding 32A shall be provided with additional protection by means of a 30mA RCD or 30mA RCBO to comply with the current edition of BS7671: 2018 + A2 2022.	C3
5	GEN	5	Due to the presence of Asbestos containing material within the following distribution boards, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. DBs (6/6), (6/9) (6/10), (6/11) & (6/12) Due to the Asbestos the inspection and test on the installation could not be completed in accordance with the client's specification however these distribution boards & areas have not been tested for over 10 years now we have obtained EFLI values on sockets & lights within areas the distribution boards are suspected to supply however it is recommended these are replaced.	C2
6	GEN	6	Consideration should be given to replace the Type AC RCD's/RCBO's with Type A devices to prevent the possibility of DC Current blinding.	C3

SECTION 15A - OBSERVATIONS / RECOMMENDATIONS / BUDGET COSTS				
Ref No.	Section	Item	Comments	Category Code
7	GEN	7	Throughout the installation, metal conduit and trunking is used to provide earth continuity. Due to the age and condition of the installation, consideration should be given to incorporating separate CPC's to these circuits.	Info.
8	GEN	8	Further Investigation is required throughout the installation to ensure appropriately coloured sleeving to all line and neutral conductors is present to comply with the current edition of BS7671.	Info.
9	2	B	The inspection was carried out during a period of low occupancy. Additional testing should be carried out to ascertain the demand during peak operational periods.	Info.
10	2	C	Consideration should be given to re-balancing the installed load evenly across the three lines.	Info.
11	3	A	At the water located: Adjacent Main Intake, upgrade the existing protective conductor to comply with the current edition of BS7671: 2018 + A2 2022.	Info.
12	3	A	At the water located: Gas Valve Cupboard Adjacent To Kitchen, upgrade the existing protective conductor to comply with the current edition of BS7671: 2018 + A2 2022.	Info.
13	3	A	At the Gas Valve Cupboard Adjacent To Kitchen, reposition the protective conductor for the Gas service to within 600mm of the entry point to comply with the current edition of BS7671: 2018 + A2 2022.	C3
14	5	A	At the Main Intake Position install an appropriately rated TPN isolator to provide a means of isolating the whole installation or install labels indicating "Warning - multiple supplies present within the installation."	C2
15	5	5	At Item (5/5) located: Main Intake In Boiler Room, down rate the 100A HRC fuse to an 80A HRC fuse to protect the cable served.	C2
16	5	8	At Item (5/8) located: Main Intake In Boiler Room, due to the presence of Asbestos containing material within the item of mains distribution, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material.	Lim
17	6	1	At DB (6/1) located: External Rabbit Cabin, circuit 1 & 2 were isolated at time of test.	C2

SECTION 15A - OBSERVATIONS / RECOMMENDATIONS / BUDGET COSTS				
Ref No.	Section	Item	Comments	Category Code
18	6	2	At DB (6/2) located: School Kitchen, at the time of test circuit 4L3 had been isolated by others prior to test. 2 weeks later Quantec were called to site and there is now a live to CPC dead short on circuit 1. Further investigation is required to verify the cause. It has been verified that the circuit also feeds FCU Kitchen Fire Roller Shutter, Wall Heater In Hall Near RHS & S/O Part Kitchen 2x Below Roller Shutter. Also, no testing was carried out on circuit 2L1L2L3 due to access onto the Roof.	F/I Lim
19	6	4	At DB (6/4) located: Corridor to Staffroom, further investigation is required to locate the area or equipment served by circuit 6. No load was recorded at time of test. Also, install a 30mA RCD or 30mA RCBO on circuit 2 as the circuit supplies a socket outlet which may be used outside the equipotential zone.	F/I C2
20	6	5	At DB (6/5) located: Year 6 Store Cupboard, circuit 1 initially tested fine however 2 weeks later Quantec were called to site and there is now a live to CPC dead short on circuit 1. Further investigation is required to verify the cause.	F/I
21	6	6	At DB (6/6) located: Year 6 Store Cupboard, install an SPN isolator adjacent to the DB to provide a means of local isolation. Also, due to the presence of Asbestos containing material within the distribution board, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. This Board should be replaced.	C3 C2
22	6	9	At DB (6/9), located: Main Intake In Boiler Room, due to the presence of Asbestos containing material within the distribution board, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. This Board should be replaced. Also, replace the missing fuse carriers (to prevent access to live exposed parts). At the time of test, Quantec installed a temporary repair. Also, remove the redundant cables within the distribution board.	C2 C2 C3
23	6	10	At DB (6/10) located: Corridor Adjacent Hall / Library, install an SPN isolator adjacent to the DB to provide a means of local isolation.	C3

SECTION 15A - OBSERVATIONS / RECOMMENDATIONS / BUDGET COSTS				
Ref No.	Section	Item	Comments	Category Code
23	6	10	CONT'D.... Also, due to the presence of Asbestos containing material within the distribution board, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. This Board should be replaced. Also, replace the missing fuse carriers (to prevent access to live exposed parts). At the time of test, Quantec installed a temporary repair.	C2 C2
24	6	11	At DB (6/11) located: Stock Room Adjacent Library, due to the presence of Asbestos containing material within the distribution board, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. This Board should be replaced.	C2
25	6	12	At DB (6/12) located: Stock Room Adjacent Library, due to the presence of Asbestos containing material within the distribution board, further inspection and testing should be completed subsequent to the removal of the Asbestos containing material. This Board should be replaced.	C2
26	6	13	At DB (6/13) located: Main Intake In Boiler Room, further investigation is required to locate the areas or equipment served by circuits 1L1L2L3 & 4L2 that were isolated by others prior to test.	Info
27	7	1	In the Hall Front Adjacent Heater, refix the single socket outlet to the wall.	C2
28	7	2	In the Heads Office, replace the cracked double plastic socket outlet & back box.	C2
29	7	3	In the External Rabbit Cabin, replace the cracked double plastic socket outlet & back box.	C2
30	7	4	In Year 1, replace the cracked double plastic socket outlet.	C2
31	7	5	In Year 2, replace the cracked double plastic socket outlet.	C2
32	9	1	In the Corridor Adjacent Staff WCs & Year 3 Class (Near Fire Exit), replace the missing light switch cover screw.	C2

SECTION 15A - OBSERVATIONS / RECOMMENDATIONS / BUDGET COSTS				
Ref No.	Section	Item	Comments	Category Code
33	14	8	At the Year 6 Store Cupboard, relocate the stored items to allow reasonable access to equipment to comply with the current edition of BS7671: 2018 + A2 2022.	C3
34	14	9	At the Main Intake Position, fit a 'Treatment of Electric Shock Notice'.	H&S
35	14	10	Further investigation is necessary to ensure all required fire barriers are installed, are in good condition and comply with the current edition of BS7671: 2018 + A2 2022.	C3
36	14	11	At the Main Intake Position, fit rubber matting adjacent to the main switchgear.	H&S
37	14	14	At the Main Intake, install an emergency light fitting to provide illumination in the event of a local power failure.	H&S

SECTION 16 - ABBREVIATIONS

GENERAL

1N	- Notifiable Category
ACU	- Air conditioner
ACM	- Asbestos-containing material
H&S	- Health and Safety
Htg	- Heating
I/O	- In order
IP	- Ingress protection
LHS	- Left-hand side
Lim	- Limitation
Ltg	- Lighting
Mh	- Mechanical (CPC)
N/A	- Not applicable
NNP	- No name plate
N/V	- Not verifiable
RHS	- Right-hand side
YOM	- Year of manufacture (estimated)

TEST RESULTS

EFLI	- Earth fault loop impedance
$I_{r,n}$	- Trip current
Info.	- Information only
I/R	- Insulation resistance
N/T	- No Trip
O/C	- Open circuit
PFC	- Prospective fault current
PSCC	- Prospective short circuit current
Zs	- EFLI

PROTECTIVE DEVICES

ACB	- Air circuit breaker to BS 3871 Part 2
Adj	- Adjustable
AFDD	- Arc Fault Detection Device
C/R	- Cartridge fuse to BS1361 and 1363
C/W	- Copper wire
R/W	- Rewirable fuse to BS3036
HRC	- High rupturing capacity fuse to BS88 (BS EN 60268-1)
MCB	- Miniature circuit breaker to BS 3871 Part 1 (BS EN 60898) (BS EN 60947) (State type & 'M' Rating)
MCCB	- Moulded case circuit breaker to BS3871 Part 2 (BS EN 60947)
RCBO	- Residual current circuit breaker (combined MCB/RCD) (BS EN 61009)
RCD	- Residual current device (no overcurrent protection) (BS 4293)
SPD	- Surge Protective Device

CABLE TYPES

Al	- Aluminium
FP200	- Fire proof 200°C
FP400	- Fire proof 400°C
HR	- Heat resistant flexible
LSF	- Low smoke and fume
LSZHS	- Low smoke zero halogen screened
MICC	- Mineral insulated non covered
MICV	- Mineral insulated PVC covered
OTHER	- Cords etc.
PILC	- Paper impregnated lead covered
PVC/PVC	- PVC Single core PVC insulated
PVCS	- PVC Single core
RIS	- Rubber insulated fabric covered
SWA	- Steel wire armoured
SY	- Armoured flexible
T/E	- Twin and earth
TRS	- Tough rubber sheathed
VIR	- Vulcanised insulated rubber
XLPE	- Cross linked polyurethane

SOCKET OUTLETS

S/O	- Socket outlet(s) (general)
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DISTRIBUTION

cct	- Circuit
CONT	- Contactor
CPC	- Circuit protective conductor
C/T	- Current transformer
DB	- Distribution board
DP	- Double Pole
EMB	- Earth Marshalling Bar
F/S	- Fused switch (BS EN 60947-3)
FCU	- Fused connection unit
GPL	- General power & lighting
ISO	- Isolator (BS EN 60947)
MET	- Main Earthing Terminal
PERM	- Maximum permissible value
PWR	- Power
REC	- Recorded
S/F	- Switch fuse (BS EN 60269)
T/S	- Time switch

LUMINAIRES

BD	- Bulkhead
EL	- Emergency lighting
ExL	- External lighting
FF	- Fluorescent fitting
LV	- Low voltage
MN	- Maintained
NM	- Non maintained
VP	- Vapour proof

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location: External Rabbit Cabin

Phase	L1
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Client D/B Ref: None (6/1)

Zs(DB)	0.26	Ω
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Supplied From: Item (5/7)

PSCC	0.21	kA
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QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site: NUTFIELD C OF E PRIMARY SCHOOL 158855.00

Location: School Kitchen

Phase L1L2L3

Client D/B Ref: None (6/2)

Zs(DB) 0.19 Ω

Supplied From: Item (5/5)

PSCC 2.46 kA

Way	Rating	Cable mm ² Type	Circuit description
1L1	10A MCB	1.5 T/E	Ltg & EL Main Kitchen Area
1L2	20A MCB	2.5 T/E	FCU Gas Interlock System In Kitchen
1L3	20A MCB	2.5 T/E	FCU Kitchen Far End Extract Fan
2L1	20A MCB	4 XLPE/SWA	ISO Kitchen Battery Heater On Roof
2L2	20A MCB	4 XLPE/SWA	ISO Kitchen Battery Heater On Roof
2L3	20A MCB	4 XLPE/SWA	ISO Kitchen Battery Heater On Roof
3L1	40A MCB	6 XLPE/SWA	ISO Kitchen Far End For Combi Oven
3L2	40A MCB	6 XLPE/SWA	ISO Kitchen Far End For Combi Oven
3L3	40A MCB	6 XLPE/SWA	ISO Kitchen Far End For Combi Oven
4L1	20A MCB	2.5 T/E	FCU Kitchen Far Fresh Air Fan
4L2	20A MCB	2.5 T/E	FCU Dishwasher Extract Fan
4L3	20A MCB	2.5 T/E	FCU Kitchen Fire Roller Shutter, Wall Heater In Hall Near RHS & S/O Part Kitchen 2x Below Roller Shutter (Isolated By Others Prior To Test)
5L1	20A MCB	2.5 T/E	S/O Part Kitchen Far End (Below FCUs & ISOs)
5L2	20A MCB	2.5 T/E	S/O Part Kitchen Near LHS (Fly Zapper & Fridge)
5L3	20A MCB	2.5 T/E	S/S/O Part Kitchen Centre (Canopy)
6L1	20A MCB	2.5 XLPE/SWA	ISO Kitchen Far End For Dishwasher
6L2	20A MCB	2.5 XLPE/SWA	ISO Kitchen Far End For Dishwasher
6L3	20A MCB	2.5 XLPE/SWA	ISO Kitchen Far End For Dishwasher

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Location:	Corridor To Staffroom	Phase	L3
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Client D/B Ref: DB 1 (6/3)	Zs(DB)	0.17	Ω
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Supplied From: Item (5/6)	PSCC	1.34	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location: Corridor To Staffroom

Phase	L3
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Client D/B Ref: DB 2 (6/4)

Zs(DB)	0.18	Ω
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Supplied From: DB (6/3) cct 1

PSCC	1.41	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location: Year 6 Store Cupboard

Phase	L1
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Client D/B Ref: None (6/5)

Zs(DB)	0.26	Ω
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Supplied From: Live side of DB (6/6)

PSCC	0.81	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location:	Year 6 Store Cupboard
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Phase	L1
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Client D/B Ref: None (6/6)

Zs(DB)	0.27	Ω
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Supplied From: Item (5/6)

PSCC	0.83	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location:	Reception Class Art Store
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Phase	L2
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Client D/B Ref: None (6/7)

Zs(DB)	0.28	Ω
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Supplied From: Item (5/4)

PSCC	0.82	kA
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[illegible]

[illegible]

[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location:	Corridor Adjacent Hall / Library
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Phase	L2
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Client D/B Ref: None (6/10)

Zs(DB)	0.33	Ω
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Supplied From: Item (5/6)

PSCC	0.69	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location: Stock Room Adjacent Library

Phase	L1
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Client D/B Ref: None (6/11)

Zs(DB)	0.22	Ω
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Supplied From: Item (5/1)

PSCC	1.05	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location:	Stock Room Adjacent Library	Phase	L1
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Phase L1

Client D/B Ref: None (6/12)	Zs(DB)	0.23	Ω
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Zs(DB)	0.23	Ω
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Supplied From: Item (5/1)	PSCC	1.01	kA
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PSCC	1.01	kA
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[illegible]

QUANTEC CONSULTANTS LTD - DISTRIBUTION BOARD CHART

Site:	NUTFIELD C OF E PRIMARY SCHOOL 158855.00
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Location:	Main Intake In Boiler Room
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Phase	L1L2L3
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Client D/B Ref: ASHP DB (6/13)

Zs(DB)	0.20	Ω
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Supplied From: Item (5/12)

PSCC	2.64	kA
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[illegible]