Electrical Installation Condition Report

Requirements for Electrical Installations - BS 7671:2018+A2:2022
(IET Wiring Regulations 18th Edition)

Guidance for recipients:

This report is an important and valuable document which should be retained for future reference.

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

2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results.

3. The person ordering the Report should have received the original Report and the inspector should have retained a duplicate.

4. The original Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner / occupier with details of the condition of the electrical installation at the time the Report was issued.

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

6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.

7. For items classified in Section K as **C1 ("Danger Present"), the safety of those using the installation is at risk**, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.

8. For items classified in Section K as **C2 ("Potentially Dangerous"), the safety of those using the installation may be at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

9. Where it has been stated in Section K that an observation requires further investigation **code FI** the inspection has revealed an apparent deficiency which may result in a code C1 or C2 could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).

10. **For safety reasons**, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit /distribution board (where required).

11. Where the installation includes a residual current device (RCD) it should be tested six-monthly 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.**

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

13. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.

14. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.

ELECTRICAL INSTALLATION CONDITION REPORT

FT/EICR 6522000001893

for Industrial/Commercial Premises

Requirements for Electrical Installations
BS 7671:2018+A2:2022 (IET Wiring Regulations 18th Edition)

NICEIC APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

A. Details of the Installation

Client	J &P Thomas	Installation	Vee Dub
Address	Rose haven Meadow View Industrial Estate Hamstreet Kent	Address	Meadow View Industrial Estate Hamstreet Kent
Postcode	TN26 2HH	Postcode	TN26 2NR

B. Reason for Producing this Report

This form is to be used only for reporting on the condition of an existing installation.

Insurance

Date(s) on which the inspection and testing were carried out 13/04/2023 to 13/04/2023

C. Details of Installation which is the Subject of this Report

Description of premises Domestic ☐ Commercial ☑ Industrial ☐ Other (please specify)

Estimated age of the wiring system 40 years

Evidence of alterations or addition Yes ☑ No ☐ Not apparent ☐ if 'Yes', estimated 5 years

Records of installation available Yes ☐ No ☑ Records held by

Date of last inspection Not Known Electrical Installation Certificate No. or previous Inspection Report No.

D. Extent of Electrical Installation Covered by this Report:

All circuits DB1 DB2 & DB3

Agreed Limitations and Operational Limitations (Regulations 653.2)

None

Agreed with: N/A Extent of Termination Sampling: 25%

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) amended to 2022

It should be noted that cables concealed within trunkings and conduits, under floors, in roof spaces and generally within the fabric of the building or underground have NOT been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

E. Summary of the Condition of the Installation

General conditions of the installation (in terms of electrical safety)

Overall assessment of the installation in terms of its suitability for continued use **SATISFACTORY** ☐ ***UNSATISFACTORY** ☑

All earth bonding cables are in place tight and to the correct size. All mains boards are of metal construction with RCD protection on all circuits of DB2 and DB3. The trunking at DB1 is short of mainsboard and there is a bent piece of metal covering it and also there are holes in it that will need to fixed.All accessories are in working order except two double sockets in workshop that are broken which will need to be replaced and at points tested the cables are in good condition.

*An UNSATISFACTORY assessment indicates that dangerous (code C1), or potentially dangerous (code C2) conditions have been identified

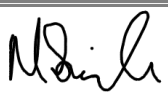
F. Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY I/we recommend that any observations classified as 'Danger present' (code C1) or 'Potential dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further Investigation required' (code FI). Observations classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by 13/04/2023 (date) for the following reasons:

two double sockets in workshop are broken which will need to be replace, The trunking at DB1 is short of mainsboard and there is a bent piece of metal covering it and also there are holes in it that will need to fixed

G. Declaration

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

			Inspected and tested by	Authorised for issue by
Company	Kingsnorth Electrical Ltd	Name:	Terry Clapp	Mark Smith
Address	Kingswood , Bromley Green Road, Ruckinge, Ashford,	Signature:		
Postcode	TN26 2EG			
Branch No.	001	Position:	Electrician	
Scheme No.	NIC029945	Date:	13/04/2023	13/04/2023

H. Schedule(s)

1 schedule(s) of inspection and 3 schedule(s) of Circuit Details and Test Results are attached.

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

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KINGSNORTH ELECTRICAL

I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements TN-S ☐ TN-C-S ☑ TT ☐ Other ☐ Please specify

Number & Type of live conductors AC ☑ DC ☐ No. of phases 3 No. of wires 4

Nature of Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement)

Nominal voltage, U/U_0 (1) 400 v Nominal frequency, f(1) 50 H_z Confirmation of supply polarity ☑

Prospective fault current, I_{pf} (2) 1875 kA External loop impedance, Z_e (2) 0.26 Ω

Supply Protective Device BS (EN) 1361 Fuse HBC 2 Type 2 Rated Current 100 A

No. of Additional Supplies N/A

J. Particulars of Installation Referred to in this Report

Means of Earthing

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) Distributors facility ☑ Installation Earth Electrode ☐

Location Electrode resistance to earth Ω Maximum Demand (load) 40 Amps ☑ KVA ☐

Main Protective Conductors	Material	csa		(✓) or Value			(✓) or Value	
Earthing Conductor	Copper	16	mm²	Continuity Verified	☑	Ω	Connection Verified ☑	Ω
Protective Bonding Conductor	Copper	10	mm²	Continuity Verified	☑	Ω	Connection Verified ☑	Ω

	Material	csa		(connection / continuity)	(✓) or Value			(✓) or Value	
Main Supply Conductor	Copper	25	mm²	Water installation	☑	Ω	To structural steel	NA	Ω
Main Switch Location	Workshop			Gas installation pipes	NA	Ω	To lightning protection	NA	Ω
Fuse/device rating or setting	N/A	A Voltage rating	400 V	Oil installation pipes	NA	Ω	Other	NV	Ω
If RCD main switch:	Rated residual operating current I Δn		mA						

BS(EN) 60947-3 No. of Poles 4 Current Rating 125 A Rated time delay ms Measured operating trip time ms

K. Observations

Referring to the attached inspection schedule(s) and schedule(s) of circuit details and test results, and subject to the limitations specified at the Extent and limitations of inspection and testing Section D.

☐ No remedial work required

☑ The following observations are made

Explanation of codes

- C1 Danger present. Risk of Injury. Immediate remedial action required.
- C2 Potentially dangerous. Urgent remedial action required.
- C3 Improvement recommended.
- FI Further Investigation required without delay

Item No.	Observations	Code
1	5.15 Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)-The conductors have not been protected against strain on the terminations	C3
2	7.10 Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)-There is no RCD test label at the DB/CU	C3
3	7.13 Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432; 433)-Devices fitted to control panel/enclosure are not compatible with original manufacturer's equipment IP rating compromised No access to live parts	C2
4	7.15 Protection against mechanical damage where cables enter distribution board (522.8.1; 522.8.5; 522.8.11)-The sharp metal edges of the containment have not been provided with protection	C2
5	7.18 RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1)-No RCD protection for socket-outlets for internal use	C3
6	8.2 Cables correctly supported throughout their run (521.10.202; 522.8.5)	C3
7	8.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1)	C2
8	8.4.1 To include the integrity of conduit and trunking systems (metallic and plastic)	C2
9	8.10 Cables Concealed Under Floors, Above Ceilings Or In Walls/ Partitions, Adequately Protected Against Damage (522.3.201, 202, 203, 204)	NV
10	8.10.1 Installed in prescribed zones (see Section D. Extent and limitation) (522.6.201, 204)	NV
11	9.17.4 Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)-Un-bushed cable entry (stranded cables) no signs of mechanical strain or damage	C3
12	9.18 Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))-Isolator fails to operate mechanical breakdown due to age/maintenance/damage	C2
13	9.20 Adequacy of working space/accessibility to equipment (132.12; 513.1)-Distribution Board/Consumer Unit installed with restricted access	C3

One of the following codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 Danger present. Risk of Injury. Immediate remedial action required.	
C2 Potentially dangerous. Urgent remedial action required.	3, 4, 7, 8, 12
C3 Improvement recommended.	1, 2, 5, 6, 11, 13
FI Further Investigation required without delay	

Outcomes

Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applicable:	Inadequacies: (Items 1.1 - 1.1.5 Only)
✓	C1 or C2	C3	FI	NV	L	N/A	✗

Item No.	Description	Outcome
1.0 INTAKE EQUIPMENT (VISUAL INSPECTION ONLY);		
1.1	Service cable	✓
1.1.1	Service head	✓
1.1.2	Earthing arrangement	✓
1.1.3	Meter tails	✓
1.1.4	Metering equipment	✓
1.1.5	Isolator (where present)	N/A
1.1.6	Person ordering work/dutyholder notified (Delete as appropriate) NOTE 1 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. NOTE 2 For this section only, where inadequacies are found, an X should be put against the appropriate item and a comment made in Section K	✓
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 AUTOMATIC DISCONNECTION OF SUPPLY		
3.1	**Main earthing/bonding arrangements (411.3; Chap 54)**	✓
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.1.2	Presence of installation earth electrode arrangement (542.1.2.3)	N/A
3.1.3	Adequacy of earthing conductor size (542.3; 543.1.1)	✓
3.1.4	Adequacy of earthing conductor connections (542.3.2)	✓
3.1.5	Accessibility of earthing conductor connections (543.3.2)	✓
3.1.6	Adequacy of main protective bonding conductor sizes (544.1)	✓
3.1.7	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	✓
3.1.8	Accessibility of all protective bonding connections (543.3.2)	✓
3.1.9	Provision of earthing/bonding labels at all appropriate locations (514.13)	✓
3.2	FELV - requirements satisfied (411.7; 411.7.1)	N/A
4.0 OTHER METHODS OF PROTECTION (where any of the methods listed below are employed details should be provided on separate sheets)		
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	N/A
4.3	Electrical separation (Section 413; 418.3)	N/A
4.4	Double insulation (Section 412)	N/A
4.5	Reinforced insulation (Section 412)	N/A
5.0 DISTRIBUTION EQUIPMENT		
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
5.2	Security of fixing (134.1.1)	✓
5.3	Condition of insulation of live parts (416.1)	✓
5.4	Adequacy/security of barriers (416.2)	✓
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓
5.6	Condition of enclosure(s) in terms of fire rating etc. (421.1.6; 421.1.201; 526.5)	✓
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓
5.8	Presence and effectiveness of obstacles (417.2)	✓
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	✓
5.10	Operation of main switch(es) (functional check) (643.10)	✓
5.11	Manual operation of circuit-breakers RCDs and AFDDs to prove functionality (643.10)	✓
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	✓
5.13	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2)	✓
5.14	RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1)	✓
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	C3
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	✓
5.17	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A
5.18	Presence of next inspection recommendation label (514.12.1)	✓
5.19	Presence of other required labelling (please specify) (Section 514)	✓

5.20	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)(411.3.2; 411.4; 411.5; 411.6; Sections 432; 433)	✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
5.0 DISTRIBUTION EQUIPMENT CONT.		
5.22	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
5.23	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	✓
6.0 DISTRIBUTION CIRCUITS		
6.1	Identification of conductors (514.3.1)	✓
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	✓
6.3	Condition of insulation of live parts (416.1)	✓
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1)	✓
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	✓
6.6	Cables correctly terminated in enclosures (Section 526)	✓
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	✓
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	✓
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	✓
6.15 CABLES CONCEALED UNDER FLOORS, ABOVE CEILINGS, IN WALLS/PARTITIONS LESS THAN 50 MM FROM A SURFACE, AND IN PARTITIONS CONTAINING METAL PARTS		
6.15.1	Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	✓
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations) (522.6.204)	✓
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓
6.17	Band II cables segregated/separated from Band I cables (528.1)	✓
6.18	Cables segregated/separated from non-electrical services (528.3)	✓
6.19	Condition of circuit accessories (651.2)	✓
6.20	Suitability of circuit accessories for external influences (512.2)	✓
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
6.22	Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment – identify/ record numbers and locations of items inspected (Section 526)	✓
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)	✓
6.24	General condition of wiring systems (651.2)	✓
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	✓
7.0 CONSUMER UNIT/DISTRIBUTION BOARD		
7.1	Adequacy of working space / accessibility to consumer unit/distribution board (132.12; 513.1)	✓
7.2	Security of fixing (134.1.1)	✓
7.3	Condition of enclosure(s) in terms of IP rating (barriers etc.)(416.2)	✓
7.4	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	✓
7.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓
7.5.1	Presence and effectiveness of obstacles (417.2)	✓
7.6	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	✓
7.7	Operation of main switch(es) (functional check) (643.10)	✓
7.8	Manual operation of circuit-breakers, RCD(s) and AFDD's to prove functionality (643.10)	✓
7.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓
7.10	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	C3
7.11	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	N/A
7.12	Presence of other required labelling (Please specify) Section 514)	✓
7.13	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432; 433)	C2
7.14	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3))	✓
7.15	Protection against mechanical damage where cables enter distribution board (522.8.1; 522.8.5; 522.8.11)	C2
7.16	Protection against electromagnetic effects where cables enter distribution board (521.5.1)	✓
7.17	RCD(s) provided for fault protection – includes RCBO(s)(411.4.204; 411.5.2; 531.2)	✓
7.18	RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1)	C3
7.19	Confirmation of indication that SPD is functional (651.4)	N/A
7.20	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
7.21	Adequate arrangements where a generating set operates as a switched alternative to public supply (551.6)	N/A

7.22	Adequate arrangements where a generating set operates in parallel with public supply (551.7)	N/A
8.0 FINAL CIRCUITS		
8.1	Identification of conductors (514.3.1)	✓
8.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	C3
8.3	Condition of insulation of live parts (416.1)	✓
8.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1)	C2
8.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	C2
8.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓
8.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
8.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
8.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓
8.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓
8.10	Cables Concealed Under Floors, Above Ceilings Or In Walls/ Partitions, Adequately Protected Against Damage (522.3.201, 202, 203, 204)	NV
8.10.1	Installed in prescribed zones (see Section D. Extent and limitation) (522.6.201, 204)	NV
8.10.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations) (522.6.201; 522.6.204)	✓
8.12 PROVISION OF ADDITIONAL PROTECTION/REQUIREMENTS BY 30 mA RCD		
8.12.1	For all socket-outlets of rating 32 A or less unless an exception is permitted (411.3.3)	✓
8.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓
8.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	✓
8.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	✓
8.12.5	Final circuits supplying luminaries within domestic (household)|premises (411.3.4)	N/A
8.12.6	For lighting that is accessible to the public (714.411.3.4)	N/A
8.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓
9.0 FINAL CIRCUITS CONT.		
9.14	Band II cables segregated/separated from Band I cables (528.1)	✓
9.15	Cables segregated/separated from communications cabling (528.2)	✓
9.16	Cables segregated/separated from non-electrical services (528.3)	✓
9.17	Terminations of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)	✓
9.17.1	Connection soundly made and under no undue strain (526.6)	✓
9.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓
9.17.3	Connections of live conductors adequately enclosed (526.5)	✓
9.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	C3
9.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))	C2
9.19	Suitability of accessories for external influences (512.2)	✓
9.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	C3
9.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
10.1 ISOLATOR (SECTIONS 460; 537)		
10.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)	✓
10.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	✓
10.1.3	Capable of being secured in the OFF position (462.3)	✓
10.1.4	Correct operation verified (643.10)	✓
10.1.5	Clearly identified by position and/or durable marking (537.2.6)	✓
10.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	✓
10.2 SWITCHING OFF FOR MECHANICAL MAINTENANCE (SECTION 464; 537.3.2)		
10.2.1	Presence and condition of appropriate devices (464.1; 527.3.2)	✓
10.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	✓
10.2.3	Capable of being secured in the OFF position (462.3)	✓
10.2.4	Correct operation verified (643.10)	✓
10.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	✓
10.3 EMERGENCY SWITCHING/STOPPING (SECTION 465; 537.3.3)		
10.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	✓
10.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	✓
10.3.3	Correct operation verified (643.10)	✓
10.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	✓
10.4 FUNCTIONAL SWITCHING (SECTION 463; 537.3.1)		
10.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	✓
10.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	✓
11.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
11.1	Condition of equipment in terms of IP rating etc (416.2)	✓
11.2	Equipment does not constitute a fire hazard (Section 421)	✓

11.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	✓
11.4	Suitability for the environment and external influences (512.2)	✓
11.5	Security of fixing (134.1.1)	✓
11.6	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)	✓
11.7 RECESSED LUMINAIRES (DOWNLIGHTERS)		
11.7.1	Correct type of lamps fitted (559.3.1)	N/A
11.7.2	Installed to minimize build-up of heat by use of “fire rated” fittings, insulation displacement box or similar (421.1.2)	N/A
11.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A
11.7.4	No signs of overheating to conductors/terminations (526.1)	N/A
12.0 PART 7 SPECIAL INSTALLATIONS OR LOCATIONS		
12.1	If any special installations or locations are present, list the particular inspections applied.	N/A
13.0 PROSUMER’S LOW VOLTAGE ELECTRICAL INSTALLATION(S)		
13.1	Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist.	N/A

Inspector's Name: Terry Clapp

Signature: *Terry Clapp*

Date: 13/04/2023

ELECTRICAL INSTALLATION CONDITION REPORT - Circuit Details

for Industrial/Commercial Premises

Requirements for Electrical Installations
BS7671 :2018+A2:2022 (IET Wiring Regulations 18th Edition)

FT/EICR 6522000001893

APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Postcode**	TN26 2NR
Client Postcode	TN26 2HH		

Distribution board details - Complete in every case

SPD Details: Type(s)* T1 ☐ T2 ☐ T3† ☐ N/A ☑

Location: Workshop
Designation: DB1
No. of ways: 4

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for the distribution circuit: Supply to distribution board is from

No. of phases: 3 BS(EN): Type: Rating: A
Nominal voltage: V RCD BS(EN): Type: Rating: IΔn mA

SCHEDULE OF CIRCUIT DETAILS

Circuit No. and Line	Circuit designation	Type of wiring	Ref. method :j:	No. of points served	Circuit conductors csa (mm²) L / N	Circuit conductors csa (mm²) CPC	Maximum disconnection time (BS 7671) (S)	Overcurrent protective devices BS EN Number	Overcurrent protective devices Type No.	Overcurrent protective devices Rating (A)	Breaking capacity (KA)	BS 7671 Max. permitted Zs Other Other § 80% (Ω)	RCD BS EN Number	RCD Type No.	RCD IΔn (mA)	RCD Rating (A)
1/L1	SPARE															
1/L2	Sub Mains(DB 2)	A	B	1	16	16	0.4	60898 MCB Type B	B	63	10	0.55	N/A	N/A	N/A	N/A
1/L3	Sub Mains(DB 3)	A	B	1	16	16	0.4	60898 MCB Type B	B	63	10	0.55	N/A	N/A	N/A	N/A
2/TP	C N C Machine	G	C	1	2.5	2.5	0.4	60898 MCB Type C	C	20	10	0.87	N/A	N/A	N/A	N/A
3/TP	SPARE															
4/TP	C N C Machine	G	C	1	2.5	2.5	0.4	60898 MCB Type C	C	16	10	1.09	N/A	N/A	N/A	N/A

Wiring Types: **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in Max Zs column is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the change to Schedule of Test Results

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for Industrial/Commercial Premises

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NICEIC APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Client Postcode** TN26 2HH	**Installation Postcode** TN26 2NR

Distribution board details - Complete in every case

Location: Workshop
Designation: DB1
No. of ways: 4 — ☑ Supply polarity confirmed — ☑ Phase sequence confirmed
No. of phases: 3 — SPD: ☐ Operational status confirmed — ☑ Not applicable

Complete only if the distribution board is not connected directly to the origin of the installation

Associated RCD (if any): BS (EN):
Z_{db}: Ω — Operating at IΔn: ms
I_{pf}: kA — No. of poles: — Time delay (if applicable):

TEST RESULTS

Circuit No. and Line	Circuit impedance Ω: Ring final circuits only r1	rn	r2	Fig 8 check (✓)	R1R2 or R2: R1 + R2	R2	Insulation resistance (Record lower reading): Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)	Polarity	Max. Measured Zs (Ω)	RCD testing: All RCDs IΔn ms	Manual test button operation: RCD (✓)	AFDD (✓)
1/L1	NA	NA	NA	N/A						N/A			N/A	N/A
1/L2	NA	NA	NA	N/A	0.1	NA	500	N/A	>299	✓	0.31	N/A	N/A	N/A
1/L3	NA	NA	NA	N/A	0.09	NA	500	N/A	>299	✓	0.29	N/A	N/A	N/A
2/TP	NA	NA	NA	N/A	0.34	NA	1000	N/A	>299	✓	0.61	N/A	N/A	N/A
3/TP	NA	NA	NA	N/A						N/A			N/A	N/A
4/TP	NA	NA	NA	N/A	0.38	NA	1000	N/A	>299	✓	0.62	N/A	N/A	N/A

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

None

Date(s) dead testing: 13/04/2023 To: 13/04/2023
Date(s) live testing: 13/04/2023 To: 13/04/2023

Test instrument serial number(s)

Loop impedance: 792024911E18048 — Insulation resistance: 792024911E18048 — Continuity: 792024911E18048 — RCD: 792024911E18048 — E/Electrode: 792024911E18048

Tested by: Name (capital letters): TERRY CLAPP — Signature: *Terry Clapp*

Position: Electrician — Date: 13/04/2023

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APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Postcode**	TN26 2NR
Client Postcode	TN26 2HH		

Distribution board details - Complete in every case

SPD Details: Type(s)* T1 ☐ T2 ☐ T3† ☐ N/A ☑

Location: !st Floor office
Designation: DB 2
No. of ways: 8

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for the distribution circuit: Supply to distribution board is from: Sub Mains(DB1, 1/L2)

No. of phases | BS(EN) | Type | Rating A

Nominal voltage V | RCD BS(EN) | Type | Rating IΔn mA

SCHEDULE OF CIRCUIT DETAILS

Circuit No. and Line	Circuit designation	Type of wiring	Ref. method :j:	No. of points served	Circuit conductors csa (mm²) L / N	Circuit conductors csa (mm²) CPC	Maximum disconnection time (BS 7671) (S)	Overcurrent protective devices BS EN Number	Overcurrent protective devices Type No.	Overcurrent protective devices Rating (A)	Breaking capacity (KA)	BS 7671 Max. permitted Zs Other Other § 80% (Ω)	RCD BS EN Number	RCD Type No.	RCD IΔn (mA)	RCD Rating (A)
1/L2	Cooker	A	C	1	6	2.5	0.4	60898 MCB Type B	B	32	6	1.09	61008-1	AC	30	80
2/L2	Kit sockets	A	C	3	2.5	1.5	0.4	60898 MCB Type B	B	20	6	1.75	61008-1	AC	30	80
3/L2	Skt Radial	A	C	5	2.5	1.5	0.4	60898 MCB Type B	B	20	6	1.75	61008-1	AC	30	80
4/L2	Lights	A	C	1	1.5	1	0.4	60898 MCB Type B	B	6	6	5.82	61008-1	AC	30	80
5/L2	Lights	A	C	4	1.5	1	0.4	60898 MCB Type B	B	6	6	5.82	61008-1	AC	30	80
6/L2	A C Unit	A	C	1	2.5	1.5	0.4	60898 MCB Type B	B	16	6	2.18	61008-1	AC	30	80
7/L2	SPARE															
8/L2	SPARE															

Wiring Types: **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in Max Zs column is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the change to Schedule of Test Results

ELECTRICAL INSTALLATION CONDITION REPORT - Test Results

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NICEIC APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Client Postcode**	TN26 2HH
		Installation Postcode	TN26 2NR

Distribution board details - Complete in every case

Location: !st Floor office
Designation: DB 2
No. of ways: 8 ☑ Supply polarity confirmed ☐ Phase sequence confirmed
No. of phases: ☐ SPD: Operational status confirmed ☑ Not applicable

Complete only if the distribution board is not connected directly to the origin of the installation

Associated RCD (if any): BS (EN):
Z_{db} 0.31 Ω Operating at IΔn ms
I_{pf} 0.775 kA No. of poles: Time delay (if applicable):

TEST RESULTS

Circuit No. and Line	Circuit impedance Ω: Ring final circuits only r1	rn	r2	Fig 8 check (✓)	R1R2 or R2: R1 + R2	R2	Insulation resistance (Record lower reading): Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)	Polarity	Max. Measured Zs (Ω)	RCD testing: All RCDs IΔn ms	Manual test button operation: RCD (✓)	AFDD (✓)
1/L2	NA	NA	NA	N/A	0.46	NA	500	N/A	>299	✓	0.72	43.9	✓	N/A
2/L2	NA	NA	NA	N/A	0.34	NA	500	N/A	>299	✓	0.60	43.9	✓	N/A
3/L2	NA	NA	NA	N/A	0.55	NA	500	N/A	>299	✓	0.78	43.9	✓	N/A
4/L2	NA	NA	NA	N/A	0.37	NA	500	N/A	>299	✓	0.66	43.9	✓	N/A
5/L2	NA	NA	NA	N/A	0.44	NA	500	N/A	>299	✓	0.71	43.9	✓	N/A
6/L2	NA	NA	NA	N/A	0.44	NA	500	N/A	>299	✓	0.67	43.9	✓	N/A
7/L2	NA	NA	NA	N/A						N/A			N/A	N/A
8/L2	NA	NA	NA	N/A						N/A			N/A	N/A

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

None

Date(s) dead testing: 13/04/2023 To: 13/04/2023
Date(s) live testing: 13/04/2023 To: 13/04/2023

Test instrument serial number(s)

Loop impedance: 792024911E18048 Insulation resistance: 792024911E18048 Continuity: 792024911E18048 RCD: 792024911E18048 E/Electrode: 792024911E18048

Tested by: Name (capital letters): TERRY CLAPP Signature: Terry Clapp
Position: Electrician Date: 13/04/2023

ELECTRICAL INSTALLATION CONDITION REPORT - Circuit Details

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APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Postcode**	TN26 2NR
Client Postcode	TN26 2HH		

Distribution board details - Complete in every case

SPD Details: Type(s)* T1 ☐ T2 ☐ T3† ☐ N/A ☑

Location: Ground office
Designation: DB 3
No. of ways: 8

Complete only if the distribution board is not connected directly to the origin of the installation

Overcurrent protective device for the distribution circuit: Supply to distribution board is from: Sub Mains(DB1, 1/L3)

No. of phases: 1 BS(EN): Type: Rating: A

Nominal voltage: V RCD BS(EN): Type: Rating: IΔn mA

SCHEDULE OF CIRCUIT DETAILS

Circuit No. and Line	Circuit designation	Type of wiring	Ref. method :j:	No. of points served	Circuit conductors csa (mm²) L / N	Circuit conductors csa (mm²) CPC	Maximum disconnection time (BS 7671) (S)	Overcurrent protective devices BS EN Number	Overcurrent protective devices Type No.	Overcurrent protective devices Rating (A)	Breaking capacity (KA)	BS 7671 Max. permitted Zs Other Other § 80% (Ω)	RCD BS EN Number	RCD Type No.	RCD IΔn (mA)	RCD Rating (A)
1/L3	Skt Ring Circuit	A	C	7	2.5	1.5	0.4	60898 MCB Type B	B	32	6	1.09	61008-1	AC	30	63
2/L3	Skt Ring Circuit	A	C	13	2.5	1.5	0.4	60898 MCB Type B	B	32	6	1.09	61008-1	AC	30	63
3/L3	Toilet light	A	C	1	1	1	0.4	60898 MCB Type B	B	6	6	5.82	61008-1	AC	30	63
4/L3	Lights	A	C	4	1	1	0.4	60898 MCB Type B	B	6	6	5.82	61008-1	AC	30	63
5/L3	Garage lights	A	C	16	1	1	0.4	60898 MCB Type B	B	6	6	5.82	61008-1	AC	30	63
6/L3	Desk sockets	A	C	5	2.5	1.5	0.4	60898 MCB Type B	B	20	6	1.75	61008-1	AC	30	63
7/L3	SPARE															
8/L3	SPARE															

Wiring Types: **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
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NICEIC APPROVED CONTRACTOR

KINGSNORTH ELECTRICAL

Client Name	J &P Thomas	**Installation Address**	Vee Dub, Meadow View Industrial Estate , Hamstreet , Kent
Client Address	Rose haven, Meadow View Industrial Estate Hamstreet , Kent	**Client Postcode** TN26 2HH	**Installation Postcode** TN26 2NR

Distribution board details - Complete in every case

Location: Ground office
Designation: DB 3
No. of ways: 8 ☑ Supply polarity confirmed ☐ Phase sequence confirmed
No. of phases: 1 SPD: ☐ Operational status confirmed ☑ Not applicable

Complete only if the distribution board is not connected directly to the origin of the installation

Associated RCD (if any): BS (EN)
Z_{db} 0.29 Ω Operating at IΔn ms
I_{pf} 0.822 kA No. of poles Time delay (if applicable)

TEST RESULTS

Circuit No. and Line	Circuit impedance Ω: Ring final circuits only r1	rn	r2	Fig 8 check (✓)	R1R2 or R2: R1 + R2	R2	Insulation resistance (Record lower reading): Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)	Polarity	Max. Measured Zs (Ω)	RCD testing: All RCDs IΔn ms	Manual test button operation: RCD (✓)	AFDD (✓)
1/L3	0.84	0.82	1.10	✓	0.37	NA	500	N/A	>299	✓	0.84	21.6	✓	N/A
2/L3	1.11	0.95	1.03	✓	0.49	NA	500	N/A	>299	✓	0.71	21.6	✓	N/A
3/L3	NA	NA	NA	N/A	0.29	NA	500	N/A	>299	✓	0.54	21.6	✓	N/A
4/L3	NA	NA	NA	N/A	0.55	NA	500	N/A	>299	✓	0.81	21.6	✓	N/A
5/L3	NA	NA	NA	N/A	1.12	NA	500	N/A	>299	✓	1.42	21.6	✓	N/A
6/L3	NA	NA	NA	N/A	0.19	NA	500	N/A	>299	✓	0.45	21.6	✓	N/A
7/L3	NA	NA	NA	N/A						N/A			N/A	N/A
8/L3	NA	NA	NA	N/A						N/A			N/A	N/A

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

None

Date(s) dead testing 13/04/2023 To 13/04/2023
Date(s) live testing 13/04/2023 To 13/04/2023

Test instrument serial number(s)

Loop impedance 792024911E18048 Insulation resistance 792024911E18048 Continuity 792024911E18048 RCD 792024911E18048 E/Electrode 792024911E18048

Tested by: Name (capital letters) TERRY CLAPP Signature *Terry Clapp*
Position Electrician Date 13/04/2023

Generic Continuation

Electrical Installation Condition Report Attachments - Observation Images

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for Industrial/Commercial Premises

Requirements for Electrical Installations
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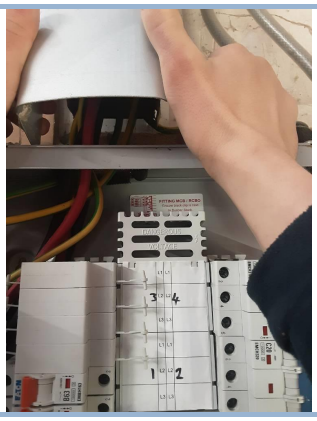
Item	Photograph of Observation	Observation Details
1		Trunking not connected to mains board