NAPIT *Electrical Installation Condition Report*

For Installations above 100 A

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

NA/EICR 09386

A Details of the Installation

Client MR & MRS PARTINGTON	Installation (If different from client)
Address 8 STATION LANE, COPMANTHORPE, YORK.	Address 4 HESLINGTON MEWS, YORK.
Postcode YO23	Postcode YO10 5BT.

B Reason for producing this report

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

DATE OVERDUE.

Date(s) on which the inspection and testing were carried out 6th MARCH 23 to 6th MARCH 23

C Details of the installation which is the subject of the report

Description of premises: Domestic ✓ Commercial ☐ Industrial ☐ Other (please state) —

Estimated age of the wiring system 15 years

Evidence of alterations or additions: ☐ Yes ✓ No ☐ Not apparent — If 'Yes', estimated — years

Records of installation available (Regulation 651.1): ✓ Yes ☐ No — Records held by MR PARTINGTON.

Date of last inspection 2nd FEB 2018 ~~Electrical Installation Certificate No. or~~ previous Inspection Report No. 63263.

D Extent of limitations of inspection and testing

No lifting of floors.
No loft access
No Alterations to the fabric of the Building.

Agreed limitations and Operational Limitations (See Regulations 653.2)

NONE

Agreed with (If required): —

Operational limitations including the reasons (see page no N/A of N/A (If applicable)

The inspection and testing detailed within this report and accompanying schedules has been carried out in accordance with BS 7671:2018. It should be noted that cables concealed within the trunking 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)

SATISFACTORY

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

* An UNSATISFACTORY assessment indicates that dangerous (code C1) and/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 'Potentially 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 6 / 3 / 23 (date)

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.

Company PAUL BOULTON ELECTRICAL		Inspected and tested by	Authorised for issue by
Membership No. 9375	Name	P. BOULTON	P. Boulton
Address 6 SOUTH VIEW	Signature	P. Boulton	"
NEWTON ON OUSE	Position	SOLE TRADER	"
Postcode YO30 2BX	Date	6th MARCH 23	"

H Schedule(s)

✓ schedule(s) of inspection and ✓ schedule(s) of 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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I Supply characteristics and earthing arrangements

Earthing Arrangements TN-S [ ] TN-C-S [✓] TT [ ] Other [ ] Please specify: —

Number and Type of Live Conductors AC [✓] DC [ ] No. of phases 1 No. of wires 2 Confirmation of supply polarity [✓]

Nature of Supply Parameters *(Note: (1) by enquiry, (2) by enquiry or by measurement)* Nominal voltage, U/U_0 (1) 400/230 V Nominal frequency, f (1) 50 Hz

Prospective fault current, I_{pf} (2) 1.16 kA External loop Impedance, Z_e (2) 0.19 Ω

Supply Protective Device BS (EN) 1361 Type II Nominal current rating 60 A

Other Sources of Supply (as detailed on attached schedule) N/A

J Particulars of installation referred to in this certificate

Means of Earthing Distributor's facility [✓] Installation earth electrode [ ]

Details of installation earth electrode *(where applicable)* Type (e.g. rod(s), tape etc) N/A Maximum Demand (load) N/A KVA/Amps

Location N/A Electrode resistance to earth N/A Ω

Main Protective Conductors	Material	csa	✓ or Ohm	(Connection/continuity	✓	or Ohm		✓	or Ohm
Earthing conductor	Copper	16mm²	✓	To water installation pipes	✓		To structural steel		
Main protective bonding conductor *(to extraneous-conductive-parts)*	Copper	10 mm²	✓	To gas installation pipes	✓		To lightning protection		
Main supply conductor	Copper	25mm²		To oil installation pipes			Other		

Main Switch

Location METER BOX BS(EN) 60947 No. of poles 2 Current rating 100 A

Fuse/device rating or setting N/A A Voltage rating 240 V

If RCD main switch: Rated residual operating current $I_{\Delta n}$ 30 mA Rated time delay 200 ms

Measured operating trip time 15 ms

K Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at 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 without delay.**

Item No.	Observations	Code
1	Consumer Unit Not 18th Edition. No SPD.	C3
2	No RCD Protection For Circuits One To Six	C3
3	Consumer Unit of Combustible Material	C3

One of the above 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 **Immediate remedial work required for items.**	
C2 **Urgent remedial work required for items.**	
C3 **Improvement(s) recommended for items.**	1, 2, 3
FI **Further investigation required without delay.**	

NAPIT *Electrical Installation Condition Report*
Main Intake Inspection Schedule
For Installations above 100 A

Requirements for Electrical Installations – BS 7671:2018 (IET Wiring Regulations 18th Edition)
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Schedule of Inspections - Outcomes

Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further investigation:	Not verified:	Limitation:	Not applicable:
✓	C1 or C2	C3	FI	NV	LIM	NA

(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description (Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority)	Outcome
1.0	**EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY);**	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓
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)	C3
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 and RCD(s) to prove disconnection (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)	C3
5.14	RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1)	C3
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	✓
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	✓
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	✓
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)	✓
5.19	Presence of next inspection recommendation label (514.12.1)	✓
5.20	Presence of other required labelling (please specify) (Section 514)	✓
5.21	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)	✓
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓

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Schedule of Inspections - Outcomes

Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further investigation:	Not verified:	Limitation:	Not applicable:
✓	C1 or C2	C3	FI	NV	LIM	NA

(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description	Outcome
5.0	**DISTRIBUTION EQUIPMENT CONT.**	
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	N/A
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	N/A
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)	N/V
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)	N/V
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)	N/A
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)	C3
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)	N/A
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)	N/V
6.18	Cables segregated/separated from non-electrical services (528.3)	N/V
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)	N/V
7.0	**SCHEDULE OF TESTS (RESULTS TO BE RECORDED ON SCHEDULE(S) OF TEST RESULT)**	
7.1	External earth loop impedance, Z_e	✓
7.2	Installation earth electrode R_A	N/A
7.3	Prospective fault current I_{pf}	✓
7.4	Continuity of Earthing conductors	✓
7.5	Continuity of circuit protective conductors	✓
7.6	Continuity of ring final circuit conductors	✓
7.7	Continuity of protective bonding conductors	✓
7.8	Volt drop verified	✓
7.9	Insulation Resistance between Live conductors	✓
7.10	Insulation Resistance between Live conductors and Earth	✓
7.11	Polarity (prior to energisation)	✓
7.12	Polarity (after energisation) including phase sequence	✓
7.13	Earth fault loop impedance	✓
7.14	RCD(s)/RCBO(s) including selectivity	C3
7.15	Functional testing of RCD(s)	✓
7.16	Functional testing of AFDD(s)	N/A

Inspector's Name: P. BOULTON

Date: 6th MARCH 2023

Signature: P. Boulton

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Distribution Board Inspection Schedule
For Installations above 100 A

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(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description	Outcome
1.0	**CONSUMER UNIT/DISTRIBUTION BOARD**	
1.1	Adequacy of working space / accessibility to consumer unit/distribution board (132.12; 513.1)	✓
1.2	Security of fixing (134.1.1)	✓
1.3	Condition of enclosure(s) in terms of IP rating (barriers etc.)(416.2)	✓
1.4	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	C3
1.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓
1.5.1	Presence and effectiveness of obstacles (417.2)	✓
1.6	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	✓
1.7	Operation of main switch(es) (functional check) (643.10)	✓
1.8	Manual operation of circuit-breakers and RCD(s) (test button) to prove disconnection (643.10)	✓
1.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓
1.10	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	✓
1.11	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	✓
1.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	✓
1.13	Presence of other required labelling (Please specify) Section 514)	✓
1.14	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)	✓
1.15	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	✓
1.16	Protection against mechanical damage where cables enter distribution board (522.8.1; 522.8.5; 522.8.11)	✓
1.17	Protection against electromagnetic effects where cables enter distribution board (521.5.1)	✓
1.18	RCD(s) provided for fault protection – includes RCBO(s)(411.4.204; 411.5.2; 531.2)	C3
1.19	RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1)	C3
1.20	Confirmation of indication that SPD is functional (651.4)	C3
1.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
1.22	Adequate arrangements where a generating set operates as a switched alternative to public supply (551.6)	N/A
1.23	Adequate arrangements where a generating set operates in parallel with public supply (551.7)	N/A
2.0	**FINAL CIRCUITS**	
2.1	Identification of conductors (514.3.1)	✓
2.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	N/V
2.3	Condition of insulation of live parts (416.1)	✓
2.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1)	N/V
2.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	✓
2.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓
2.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
2.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
2.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓
2.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓
2.10	Concealed cables installed in prescribed zones (*see Section D. Extent of limitations*) (522.6.202)	N/V
2.11	Cables Concealed Under Floors, Above Ceilings Or In Walls/ Partitions, Adequately Protected Against Damage (522.3.201, 202, 203, 204)	N/V
2.12	**PROVISION OF ADDITIONAL PROTECTION/REQUIREMENTS BY 30 mA RCD** Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.	
2.12.1	For all socket-outlets of rating 32 A or less unless exempt (411.3.3)	✓
2.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓
2.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	C3
2.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	C3
2.12.5	Final circuits supplying luminaries within domestic (household) premises (411.3.4)	C3
2.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓

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(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description	Outcome
2.0	FINAL CIRCUITS CONT.	
2.14	Band II cables segregated/separated from Band I cables (528.1)	N/V
2.15	Cables segregated/separated from communications cabling (528.2)	N/V
2.16	Cables segregated/separated from non-electrical services (528.3)	N/V
2.17	Terminations of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)	✓
2.17.1	Connection soundly made and under no undue strain (526.6)	✓
2.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓
2.17.3	Connections of live conductors adequately enclosed (526.5)	✓
2.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓
2.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))	✓
2.19	Suitability of accessories for external influences (512.2)	✓
2.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
2.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
3.0	ISOLATION AND SWITCHING	
3.1	ISOLATOR (SECTIONS 460; 537)	
3.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)	✓
3.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	✓
3.1.3	Capable of being secured in the OFF position (462.3)	✓
3.1.4	Correct operation verified (643.10)	✓
3.1.5	Clearly identified by position and/or durable marking (537.2.6)	✓
3.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	✓
3.2	SWITCHING OFF FOR MECHANICAL MAINTENANCE (SECTION 464; 537.3.2)	
3.2.1	Presence and condition of appropriate devices (464.1; 527.3.2)	✓
3.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	✓
3.2.3	Capable of being secured in the OFF position (462.3)	✓
3.2.4	Correct operation verified (643.10)	✓
3.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	✓
3.3	EMERGENCY SWITCHING/STOPPING (SECTION 465; 537.3.3)	
3.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	N/A
3.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	N/A
3.3.3	Correct operation verified (643.10)	N/A
3.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	N/A
3.4	FUNCTIONAL SWITCHING (SECTION 463; 537.3.1)	
3.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	✓
3.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	✓
4.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
4.1	Condition of equipment in terms of IP rating etc (416.2)	✓
4.2	Equipment does not constitute a fire hazard (Section 421)	C3
4.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	✓
4.4	Suitability for the environment and external influences (512.2)	✓
4.5	Security of fixing (134.1.1)	✓
4.6	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)	✓
4.7	RECESSED LUMINAIRES (DOWNLIGHTERS)	
4.7.1	Correct type of lamps fitted (559.3.1)	✓
4.7.2	Installed to minimize build-up of heat by use of "fire rated" fittings, insulation displacement box or similar (421.1.2)	✓
4.7.3	No signs of overheating to surrounding building fabric (559.4.1)	✓
4.7.4	No signs of overheating to conductors/terminations (526.1)	✓
5.0	PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
5.1	If any special installations or locations are present, list the particular inspections applied.	✓

Inspector's Name: P. BOULTON

Signature: P. Boulton

Date: 6th MARCH 2023

NAPIT *Electrical Installation Test Schedule*

NA/EICR 09386

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

Client MR & MRS PARTINGTON Installation address 4 HESUNGTON MEWS, YORK Postcode YO10 5BT

Complete in every case

Location of distribution board: KITCHEN
Distribution board designation: HOUSE
Number of ways: 12 WAYS

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

Supply to DB is from:
Overcurrent protective device for the distribution circuit: No. of phases: Nominal Voltage: V
Type BS(EN): Rating: A
Supply polarity confirmed: Phase sequence confirmed:

Characteristics at this distribution board

Zdb: Ω
Ipf: kA
Associated RCD (if any): BS (EN):
No. of poles:
$I_{\Delta n}$: mA
Time Delay (if applicable): ms
Above 30mA: Operating at $1 I_{\Delta n}$: ms
30mA or below: Operating at $5 I_{\Delta n}$: ms (if applicable)

Test instrument serial number(s)

Loop imped.: 05123663
Insulation resistance: 05123663
Continuity: 05123663
RCD: 05123663

CIRCUIT DETAILS

Circuit No. and line No.	Circuit designation	Type of wiring	Ref. method	No. of points served	Circuit conductor csa L/N (mm²)	Circuit conductor csa CPC (mm²)	Maximum disconnection time (BS 7671) (s)	Overcurrent protective devices: BS EN Number	Type No.	Rating (A)	Breaking Capacity (kA)	RCD operating current $I_{\Delta n}$ (mA)	BS 7671 Max. permitted value Zs Other 80 % Ω
1	COOKER	A	C	2	6.0	2.5	5	60898	B	32	6	/	1.10
2	ALARM (SECURITY)	A	C	1	2.5	1.5	5	60898	B	16	6	/	2.18
3	FRIDGE/FREEZER SKT	A	C	1	2.5	1.5	5	60898	B	16	6	/	2.18
4	SMOKE ALARMS	A	100	3	1.0	1.0	5	60898	B	6	6	/	5.82
5	DOWNSTAIRS LIGHTS	A	100	15	1.0	1.0	5	60898	B	6	6	/	5.82
6	UPSTAIRS LIGHTS.	A	100	8	1.0	1.0	5	60898	B	6	6	/	5.82
	RCD	/	/	/	/	/	/	61008	/	/	/	30	/
7	DOWNSTAIRS SOCKETS	A	C	14	2.5	1.5	.4	60898	B	32	6	30	1.10
8	UPSTAIRS SOCKETS.	A	C	14	2.5	1.5	.4	60898	B	32	6	30	1.10
9	OVEN	A	C	2	6.0	2.5	.4	60898	B	16	6	30	2.18

TEST RESULTS

Circuit No. and line No.	Circuit impedence Ω: Ring final circuits only (measured end to end) r_1	r_n	r_2	Fig 8 check (✓)	All circuits to be completed using R_1 R_2, or R_2, not both: R_1+R_2	R_2	Insulation resistance (Record lower reading): Test Voltage V	L/L L/N (MΩ)	L/E N/E (MΩ)	Polarity (✓)	Max. measured Z_s (Ω)	RCD testing: Above 30mA $I_{\Delta n}$ ms	30mA or below $5 I_{\Delta n}$ ms	Manual test button operation: RCD (✓)	AFDD (✓)
1	/	/	/	N/A	0.04	/	500	+200	+200	✓	0.21	/	/	/	N/A
2	/	/	/	N/A	0.18	/	500	+200	+200	✓	0.35	/	/	/	N/A
3	/	/	/	N/A	0.02	/	500	+200	+200	✓	0.19	/	/	/	N/A
4	/	/	/	N/A	0.33	/	500	+200	+200	✓	0.50	/	/	/	N/A
5	/	/	/	N/A	1.15	/	500	+200	+200	✓	1.32	/	/	/	N/A
6	/	/	/	N/A	0.72	/	500	+200	+200	✓	0.89	/	/	/	N/A
	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	0.35	0.35	0.60	✓	0.42	/	500	+200	+200	✓	0.59	/	15	✓	N/A
8	0.22	0.22	0.35	✓	0.29	/	500	+200	+200	✓	0.38	/	15	✓	N/A
9	/	/	/	N/A	0.04	/	500	+200	+200	✓	0.21	/	15	✓	N/A

Details of Circuits and/or installed equipment vulnerable to damage when testing: BOILER, Portable Appliances, Fixed Appliances, LED LAMPS, ELECTRONIC Equipment

Date(s) dead testing: 6th MARCH TO 2023

Date(s) live testing: 6th March TO 2023

See attached sheets page(s): 6 Of 7

Tested by: Name (capital letters): PAUL BOULTON

Signature: P. Boulton

Position: SOLE TRADER

Date(s): 6th MARCH 23

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 O Other