

ELECTRICAL INSTALLATION CONDITION REPORT

Acknowledgement: this certificate is based on the model in appendix 6 of BS 7671:2018

Certificate No.

FLAT 10 COTTESMORE

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CLIENT DETAILS

INSTALLATION ADDRESS

Name: <u>Para House</u>		Flat: <u>10</u>	
Address: <u>90 PRATER STREET</u>		Address: <u>1 COTTESMORE ROAD</u>	
Location: <u>LOUGHBOROUGH</u>		Location: <u>LONDON</u>	
Postcode: <u>LE11 5DT</u>		Postcode: <u>NG1 1QE</u>	

PURPOSE FOR WHICH THIS REPORT IS REQUIRED

Electrical Installation Condition Report Expiry

Date(s) on which inspection and testing was carried out:

DESCRIPTION OF PREMISES

Domestic ☐ Commercial ☐ Industrial ☒ Other (include description):

Estimated age of the wiring system: Years 10+

Evidence of Alterations / Additions: Yes ☐ No ☒ Not apparent ☐ If 'Yes' estimate age in years:

Date of last inspection: JUNE '15 Records available: Yes ☒ No ☐

Extent of electrical installation covered by this report

Agreed Limitations (See Reg 653.2)

<u>VISUAL INSPECTION OF DISTRIBUTED EQUIPMENT</u>	<u>NO DISMANTLING OF FIXED FURNITURE</u>
<u>FULL INSPECTION A TEST OF CONSUMER UNIT</u>	<u>NO FLOOR BOARDS REMOVED</u>
<u>ALL FINAL CIRCUITS</u>	Agreed with <u>Para House</u>
	Operational limitations <u>NONE</u>

It should be noted that cables concealed within 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 the inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment. This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations), as amended to:

SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Installation is 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.

RECOMMENDATIONS & NEXT INSPECTION

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 F1). Observations classified as 'improvement recommended' (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that this installation is further inspected and tested by 05-07-25 (Date)

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 of this report.

Inspected and tested by:

Report authorised for issue by:

Name: <u>O. Clayton</u>	Date: <u>05-07-2020</u>	Name: <u>O. Clayton</u>	Date: <u>05-07-2020</u>
Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>	
For/on behalf of: <u>O. Clayton Electrical Ltd</u>		For/on behalf of: <u>O. Clayton Electrical Ltd</u>	
Position: <u>ELECTRICIAN</u>		Position: <u>ELECTRICIAN</u>	
Address: <u>90 SUTTON ROAD, RADCLIFFE ON-TRANT, NG12 1AW</u>		Address: <u>90 SUTTON ROAD, RADCLIFFE ON-TRANT, NG12 1AW</u>	

CP Scheme: ELCORA

N/A ☐

Membership No: 22368

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SUPPLY CHARACTERISTICS & EARTHING ARRANGEMENTS

Earthing Arrangements		Number of Live Conductors		Nature of Supply Parameters	
TN-C	TN-S	Phase 1	Wire 2 AC ☒ DC ☐	Nominal Voltage U _N	230 V
TN-C-S ☒	TT	Other		Nominal Frequency f _N	50 Hz
IT		Confirmation of supply polarity		Prospective fault current I _p	9 kA
Supply Protective Device Characteristics				External loop impedance Z _e	0.24 Ω
Type 1361		Nominal current rating	30 A	* by enquiry ☐ by enquiry or by measurement ☐	
Other sources of supply (as detailed on attached drawings)					

PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing		Details of Installation Earth Electrode (where applicable)	
Distributor's facility	☒	Type [eg. rod(s)-tape etc]	N/A
Installation earth electrode	☒	Electrode resistance to Earth	N/A
		Location	N/A

Main Protective Conductors

Earthing conductor:	Material <u>COPPER</u>	CSA <u>16</u> mm ²	Continuity and connection verified	☒
Main protective bonding conductors: (to extraneous conductors parts)	Material <u>COPPER</u>	CSA <u>10</u> mm ²	Continuity and connection verified	☒
To water installation pipes ☒	To gas installation pipes ☐	To oil installation pipes ☐	To structural steel	☐
To lightning protection ☐	To other ☐ Specify			

Main Switch / Switch - Fuse / Circuit-Breaker / RCD

BS Type	6100A	No. of poles	2	Voltage rating	230	V
Location	Consumer unit	Current rating	20 A	Fuse / device rating or setting	N/A	A
RCD main switch: Rated residual operating current $I_{\Delta n}$		= 30 mA		Rated time delay	N/A	ms
				Measured operating time	25	ms

OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the **Extent and limitations of inspection and testing** section, No remedial action is required ☒ The following observations are made ☐ See below

[illegible]

One of the following codes, as appropriate, has been allocated to each of the observations made above 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. **C3** - Improvement recommended. **F1** - Further investigation required without delay.

Schedules

The attached Schedules are part of this document and this Certificate is valid only when they are attached to it.

No. of Inspection Schedules attached: 2

No. of Test Result Schedules attached)

ELECTRICAL INSTALLATION CONDITION REPORT cont.

Acknowledgement: this certificate is based on the model in appendix 6 of BS 7671:2018

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OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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Item	Description	Outcome: Use codes above. Provide additional comment where appropriate. C1, C2, C3 & FI coded items to be recorded under observations in the Condition Report
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)	
1.1	Condition of service cable	✓
1.2	Condition of service head	✓
1.3	Condition of earthing arrangement	✓
1.4	Condition of meter tails	✓
1.5	Condition of metering equipment	✓
1.6	Condition of isolator (where present)	✓
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)	
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.2	Presence and condition of earth-electrode connection where applicable (542.1.2.3)	n/a
3.3	Provision of earthing / bonding labels at all appropriate locations (514.13.1)	✓
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓
3.6	Confirmation of main protective bonding conductor sizes (544.1)	✓
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	✓
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	✓
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)	✓
4.2	Security of fixing (134.1.1)	✓
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	C3
4.5	Enclosure not damaged/deteriorated so as to impair safety (551.2)	✓
4.6	Presence of main linked switch (as required by 462.1.201)	✓
4.7	Operation of main switch (functional check) (643.10)	✓
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	✓
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓
4.10	Presence of RCD six-monthly test notice at or near consumer unit / distribution board (514.12.2)	✓
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)	n/a
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	n/a
4.13	Presence of other required labelling (please specify) (Section 514)	n/a
4.14	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)	✓
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	✓

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OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item	Description	Outcome Use codes above. Provide additional comment where appropriate. C1, C2, C3 & FI codes items to be recorded (note observations in the Condition Report)												
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S) - continued													
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board / enclosures (521.5.1)	✓												
4.18	RCDs provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A												
4.19	RCDs provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1)	✓												
4.20	Confirmation of indication that SPD is functional (551.4)	✓												
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓												
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A												
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A												
5.0	FINAL CIRCUITS													
5.1	Identification of conductors (514.3.1)	✓												
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	LIM												
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)	N/A												
	• To include the integrity of conduit and trunking systems (metallic and plastic)	N/A												
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓												
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓												
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓												
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; Section 543)	✓												
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓												
5.10	Concealed cables installed in prescribed zones (see 'Extent and limitations' (522.6.202)	LIM												
5.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage (See extent and limitations) (522.6.204)	LIM												
5.12	Provision of additional requirements for protection by RCD not exceeding 30mA:													
	• for all socket-outlets of rating 32 A or less unless an exception is permitted (411.3.3)	✓												
	• for supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	N/A												
	• for cables concealed in walls at a depth of less than 50mm (522.6.202; 203)	✓												
	• for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	✓												
	• Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓												
5.13	Provision of fire-barriers, sealing arrangements and protection against thermal effects (Section 527)	✓												
5.14	Band II cables segregated/separated from Band I cables (528.1)	LIM												
5.15	Cables segregated/separated from communications cabling (528.2)	LIM												
5.16	Cables segregated/separated from non-electrical services (528.3)	LIM												
5.17	Termination of cables at enclosures-indicate extent of sampling in 'Extent and Limitations' of the report (Section 526)													
	• Connections soundly made and under no undue strain (526.6)	✓												
	• No basic insulation of a conductor visible outside enclosure (526.8)	✓												
	• Connections of live conductors adequately enclosed (526.5)	✓												
	• Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓												
5.18	Condition of accessories including socket-outlets, switches and joint boxes (551.2(v))	✓												

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Acknowledgement: this certificate is based on the model in appendix G of BS 7671:2018

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OUTCOMES	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further Investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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Item	Description	Outcome
Use codes above. Provide additional comment where appropriate. C1, C2, C3 & FI coded items to be recorded under observations in the Condition Report		
5.0 FINAL CIRCUITS - continued		
5.19	Suitability of accessories for external influences (512.2)	✓
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)	✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
6.0 LOCATION(S) CONTAINING A BATH OR SHOWER		
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	✓
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	✓
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
6.7	Suitability of accessories and control gear etc for a particular zone (701.512.3)	✓
6.8	Suitability of current-using equipment for particular position within the location (701.55)	✓
7.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS		
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)	N/A

GUIDANCE FOR RECIPIENTS

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

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

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

3. 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.

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

5. The section titled 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 EXTENT AND LIMITATIONS.

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

8. For items classified in OBSERVATIONS as 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.

9. Where it has been stated in OBSERVATIONS that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see RECOMMENDATIONS).

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 the Report under RECOMMENDATIONS and on a label at or near to the consumer unit/distribution board.

Inspected by:
Name (Printed): O. CHAYRON

Signature

Date 05-07-2020

SCHEDULE OF TEST RESULTS

Acknowledgement: This certificate is based on the model in appendix 5 of BS 7671: 2018

Certificate No.
FAT 10 CORRESPOND

EIR reference no. 001		Details of circuits and/or installed equipment vulnerable to damage when testing										Details of test instruments used (state serial and/or asset numbers)										
Location: Main entry												Multifunction 16520, 2377038										
Zs at DB AC1: 0.04		101 at DB (kA) 8.0										Insulation / continuity -11-										
Correct supply polarity confirmed		☒										Earth fault loop impedance -11-										
Phase sequence confirmed (where appropriate)		☒										RCD -11-										
Tested by: Nabil Cusani		Signature:		Date: 03-01-2020		Earth electrode res: N/A																
Circuit Details														Test Results								
Circuit number	Circuit Description	Protective Device						Conductor Details				Ring Final Circuit Continuity (R2)	Continuity (R1+R2) or R2	V	Insulation Resistance (MCO)		Polarity	Zs (kV)	RCD test button time	RCD test button operation	Remarks / observations No. (See separate sheet (TC2))	
		BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	RCD IΔn (mA)	Ref. Method	Live (mm²)	CPE (mm²)	t1 (line)	t2 (neutral)				t3 (cpc)	Live - Live						Live - Earth
1	Halls	60848	B	32	6	30	B	6.0	2.5					0.16	250	250	250	✓	0.21	28.1	✓	
2	Kitchen Stairs	60848	B	32	6	30	B	2.5	1.5	0.25	0.25	0.37	0.15	250	250	250	✓	0.24	28.1	✓		
3	Bedroom, Lounge Stairs	60848	B	32	6	30	B	2.5	1.5	0.60	0.45	0.41	0.15	250	250	250	✓	0.51	28.1	✓		
4	Front Porch	60848	B	16	6	30	B	2.5	1.5				0.15	250	250	250	✓	0.19	28.1	✓		
5	Wardrobe	60848	B	16	6	30	B	2.5	1.5				0.05	250	250	250	✓	0.10	28.1	✓		
6	Bedroom, Lounge Kitchen	60848	B	10	6	30	B	1.5	1.0				0.61	250	250	250	✓	0.65	28.1	✓		
7	Bedroom 1, Kitchen Kitchen	60848	B	10	6	30	B	1.5	1.0				0.60	250	250	250	✓	0.65	28.1	✓		
8	Front Porch	60848	B	6	6	30	B	1.5	1.0				0.21	250	250	250	✓	0.25	28.1	✓		
9	Alumina	60848	B	6	6	30	B	1.5	1.0				0.02	250	250	250	✓	0.06	28.1	✓		
10	Lounge, Kitchen Lights	60848	B	6	6	30	B	1.5	1.0				0.24	250	250	250	✓	0.41	28.1	✓		
11	Bedroom, Kitchen Lights	60848	B	6	6	30	B	1.5	1.0				0.55	250	250	250	✓	0.61	28.1	✓		
12	Bedroom, Kitchen Lights	60848	B	6	6	30	B	1.5	1.0				0.69	250	250	250	✓	0.74	28.1	✓		
13	Smoke Detectors	60848	B	6	6	30	B	1.5	1.0													