ELECTRICAL INSTALLATION CONDITION REPORT

Acknowledgement: this certificate is based on the model in appendix 6 of BS 7671: 2008

Certificate No. BG/26/002

CLIENT DETAILS	INSTALLATION ADDRESS
MOUNTAIN HIGH INVESTMENTS.	26 BEECH GROVE
SANDBANKS, LE CHEMIN DES MONTS.	GUILDFORD
ST OUEN. JERSEY	SURREY
Postcode JE3 2GT	Postcode GU2 7UZ

PURPOSE FOR WHICH THIS REPORT IS REQUIRED

PREVIOUS CERTIFICATE HAS EXPIRED.

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier

Address 26 BEECH GROVE GU2 7UZ

DESCRIPTION OF PREMISES

Domestic [/] Commercial [ ] Industrial [ ] Other (include description) [ ]

Estimated age of the wiring system: Years [20]

Evidence of Alterations / Additions: Yes [/] No [X] Not apparent [ ] If 'Yes' estimate age [ ]

Date of last inspection: Records available: Yes [ ] No [ ]

Extent of electrical installation covered by this report	Agreed Limitations (See Reg 634.2)
ALL CIRCUITS TESTED.	NONE
	Agreed with
	Operational limitations

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 : 2008 (IET Wiring Regulations), as amended to:

SUMMARY OF THE CONDITION OF THE INSTALLATION

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

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 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 this installation is further inspected and tested by (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 (Capitals) S. HARRISON	Date 20.8.17	Name (Capitals) S. HARRISON	Date 20.8.17
Signature Stephen Harrison		Signature Stephen Harrison	
For/on behalf of S.W. HARRISON ELECTRICAL		For/on behalf of	
Position QUALIFYING MANAGER.		Position	
Address END HOUSE, PASTUREWOOD RD		Address	
HOLMBURY ST MARY,			
RH5 6PE			

CP Scheme: NICEIC N/A [ ] Membership No: D104561

TC4/a AMD3

ELECTRICAL INSTALLATION CONDITION REPORT cont.

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SUPPLY CHARACTERISTICS & EARTHING ARRANGEMENTS

Earthing Arrangements		Number of Live Conductors	Nature of Supply Parameters
TN-C N/A	TN-S ✓	Phase SINGLE Wire 2	Normal Voltage U/U_0* 230 V
TN-C-S N/A	TT N/A	Other	Nominal Frequency f* 50 Hz
IT N/A		*Confirmation of supply polarity* ✓	Prospective fault current Ipf† 40-60 kA
Supply Protective Device Characteristics			External loop impedance Ze† 0.8 Ω
Type ~~BS~~ BS 88		Nominal current rating 100 A	*by enquiry †by enquiry or by measurement

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

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

Main Protective Conductors

Earthing conductor:	Material COPPER	csa 16 mm²	Continuity and connection verified ✓
Main protective bonding conductors: (to extraneous conductors parts)	Material COPPER	csa 10 mm²	Continuity and connection verified ✓
To water installation pipes ✓	To gas installation pipes ✓	To oil installation pipes N/A	To structural steel N/A
To lightning protection N/A	To other N/A Specify		

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

BS, Type 60947-3	No. of poles 2	Voltage rating 240 V
Location ADJ METER	Current rating 100 A	Fuse rating or setting 100 A

If RCD main switch: Rated residual operating current IΔn = N/A mA Rated time delay N/A ms Measured operating time N/A ms (at IΔn)

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*

OBSERVATIONS (Include schedule reference as appropriate)	CLASSIFICATION CODE
1 CIRCS 1, 2, 5 + 6 require RCD PROTECTION. BS (411.3)	C3
2 Absence of Sleeving on CPCs	C3
3 Circ 6 required RCD Protection	C2

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 **FI** - Further investigation required without delay.

Schedules

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

No. of Inspection Schedules attached:	No. of Test Result Schedules attached:

ELECTRICAL INSTALLATION CONDITION REPORT cont.

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Certificate No. BG/26/002

OUTCOMES	Acceptable condition	√	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	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 coded items to be recorded under observations in the Condition Report)
1.0	**ADEQUACY OF ELECTRICAL INTAKE EQUIPMENT**	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Distributor's earthing arrangements	✓
1.4	Meter tails – Distributor / Consumer	✓
1.5	Metering equipment	✓
1.6	Isolator	✓
2.0	**PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES (551.6, 551.7)**	
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)	✓
	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or Presence of installation earth electrode arrangement (542.1.2.3)	✓
	Adequacy of earthing conductor size (542.3; 543.1.1)	✓
	Adequacy of earthing conductor connections (542.3.2)	✓
	Accessibility of earthing conductor connections (543.3.2)	✓
	Adequacy of main protective bonding conductor sizes (544.1)	✓
	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	✓
	Accessibility of all protective bonding connections (543.3.2)	✓
	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)	✓
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 (621.2(iii))	✓
5.8	Presence and effectiveness of obstacles (417.2)	✓
5.9	Placing out of reach (417.3)	✓
5.10	Presence of main switch(es), linked where required (537.1.2; 537.1.4)	✓
5.11	Operation of main switch(es) (functional check) (612.13.2)	✓
5.12	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	✓
5.13	Confirmation that integral test button / switch causes RCD(s) to trip when operated (functional check) (612.13.1)	✓
5.14	RCD(s) provided for fault protection – includes RCBOs (411.4.9; 411.5.2; 531.2)	✓
5.15	RCD(s) provided for additional protection, where required - includes RCBOs (411.3.3; 415.1)	✓
5.16	Presence of RCD quarterly test notice at or near equipment, where required (514.12.2)	✓

ELECTRICAL INSTALLATION CONDITION REPORT cont.

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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	**DISTRIBUTION EQUIPMENT - continued**	
5.17	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	✓
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	✓
5.19	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A
5.20	Presence of next inspection recommendation label (514.12.1)	✓
5.21	Presence of other required labelling (please specify) (Section 514)	N/A
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3; 411.3.2; 411.4, .5 .6; sections 432, 433)	✓
5.23	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)	✓
5.24	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	✓
5.25	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 (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 (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	✓
	1. installed in prescribed zones (see Extent and limitations) (522.6.202) **or**	✓
	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 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)	N/A
6.18	Cables segregated / separated from non-electrical services (528.3)	N/A
6.19	Condition of circuit accessories (621.2(iii))	✓
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; 530.3.2)	✓
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 (537.2)	✓
6.24	General condition of wiring systems (621.2(ii))	✓
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	✓
7.0	**FINAL CIRCUITS**	
7.1	Identification of conductors (514.3.1)	✓
7.2	Cables correctly supported throughout their run (522.8.5)	✓
7.3	Condition of insulation of live parts (416.1)	✓

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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)
8.0	**ISOLATION AND SWITCHING - continued**	
8.3	Emergency switching / stopping (537.4)	N/A
	1. Presence and condition of appropriate devices (537.4.1.1)	✓
	2. Readily accessible for operation where danger might occur (537.4.2.5)	✓
	3. Correct operation verified (537.4.2.6)	✓
	4. Clearly identified by position and /or durable marking (537.4.2.7)	✓
8.4	Functional switching (537.5)	✓
	1. Presence and condition of appropriate devices (537.5.1.1)	✓
	2. Correct operation verified (537.5.1.3; 537.5.2.2)	✓
9.0	**CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)**	
9.1	Condition of equipment in terms of IP rating etc (416.2)	✓
9.2	Equipment does not constitute a fire hazard (Section 421)	✓
9.3	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	✓
9.4	Suitability for the environment and external influences (512.2)	✓
9.5	Security of fixing (134.1.1)	✓
9.6	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)	✓
9.7	Recessed luminaires (downlighters)	✓
	1. Correct type of lamps fitted	✓
	2. Installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar (421.1.2)	✓
	3. No signs of overheating to surrounding building fabric (559.4.1)	✓
	4. No signs of overheating to conductors / terminations (526.1)	✓
10.0	**SPECIAL INSTALLATIONS OR LOCATIONS**	
	If any special installations or locations are present, list the particular inspections applied.	N/A

GUIDANCE FOR RECIPIENTS (to be appended to the Report)

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 quarterly. 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 (Capitals) S. HARRISON	Signature Stephen Harrison	Date 20.8.17.

SCHEDULE OF TEST RESULTS

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DB reference no. DB1 W4LEX	**Details of circuits and/or installed equipment vulnerable to damage when testing**	**Details of test instruments used (state serial and/or asset numbers)**	
Location ADJ METER / EXTERNAL	NONE.	Multifunction	MFT 1500
Zs at DB (Ω) 0.16 / Ipf at DB (kA) 1.5		Insulation / continuity	N/A
Correct supply polarity confirmed ✓		Earth fault loop impedance	N/A
Phase sequence confirmed (where appropriate) ✓		RCD N/A	Earth electrode res. N/A

Tested by: Name (Capitals) S. HARRISON — Date 20.8.17

Signature Stephen Harrison.

Circuit Details

Test Results

Circuit number	Circuit Description	Overcurrent Device: BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	Conductor Details: Reference Method	Live (mm²)	cpc (mm²)	Ring Final Circuit Continuity (Ω): r1 (line)	rn (neutral)	r2 (cpc)	Continuity (Ω) (R1+R2) or R2: (R1+R2)	R2	Insulation Resistance (MΩ): Live - Live	Live - Earth	Polarity ✓ or ✗	Zs (Ω)	RCD (ms): @ IΔn	@ 5 IΔn	Test Button Operation	Remarks (continue on a separate sheet if necessary)
1	?	60898	B	6	6	A	1.0					?				N/A	?				
2	UNDER STAIRS CUPBOARD LIGHT	60898	B	6	6	A	1.5					NA				✓	N/A				Absence of CPC
3	1ST, 2ND FLOOR LIGHTS	61009	C	10	6	A	1.0					N/A		19.9	19.9	✓	N/A				"
4	GROUND FLOOR LIGHTS	61009	C	10	6	A	1.5					N/A	N/A			✓	N/A				"
5	BOILER	60898	B	16	6	A	2.5	1.5				.2				✓	.37				
6	DOUBLE SOCKET IN UTILITY	60898	B	32	6	A	2.5	1.5				.1				✓	.2				
	RCD	61008		80														35	20	✓	
7	SHOWER	60898	B	50	6	A	10	6				.26				✓	.4				
8	KITCHEN SOCKETS	60898	B	32	6	A	2.5	1.5	.41	.41	.69	.36	N/A	19.9	19.9	✓	.5				
9	1ST, 2ND FLOOR SOCKETS	60898	B	32	6	A	2.5	1.5	.48	.48	.71	.44				✓	.6				
10	GROUND FLOOR SOCKETS	60898	B	32	6	A	2.5	1.5	.41	.41	.68	.34				✓	.5				
12	GARDEN POWER	60898	B	16	6	F	2.5	1.5				.3				✓	.46				
11	?	60898	B	16	6	A	2.5	1.5													

TC5/a AMD3