

Contractor's Reference Number

CRN/

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations.

A. DETAILS OF THE CLIENT

Client:

JAMES BAXTER

Address:

FINDHORN PLACE
EDINBURGH.
Postcode:

B. PURPOSE OF THE REPORT

Purpose for which this report is required:

HMV LICENSING

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

25/10/18

C. DETAILS OF THE INSTALLATION

Occupier:

TENANT

Address:

145 (4F2) BRUNTSFIELD
PLACE, EDINBURGH.
Postcode: EH10

Estimated age of the electrical installation:

30 years

Evidence of alterations or additions

If yes, estimated age
✓ 1-10 years

Date of previous inspection:

10/12/13

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No:

0041213

Records of installation available:

✓

Records held by:

J. BAXTER.

D. EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

ALL ACCESSIBLE OUTLETS.

Agreed limitations including the reasons, if any, on the inspection and testing:

NO TEST ON SMOKE DETECTION CIRCUIT *

Agreed with: MANUFACTURERS.

Operational limitations including the reasons (see page No. 1)

* NO MEGGER ON DETECTOR HEADS.

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the client and inspector prior to the inspection.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

SATISFACTORY.

Summary of the condition of the installation continued on additional pages? No ✓ Yes Specify page No(s):

Overall assessment of the installation:

SATISFACTORY / UNSATISFACTORY

Delete as appropriate

* An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that further investigation without delay (F1) is required

Please see the 'Notes for Recipients' on the reverse of this page.

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F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at D:

There are no items adversely affecting electrical safety or The following observations and recommendations for action are made

Item No	Observations	Code †
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1

Additional pages? No Yes Specify page No(s):

† 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:

Code C1 'Danger present'. Risk of injury. Immediate remedial action required.

Code C2 'Potentially dangerous'. Urgent remedial action required.

Code C3 'Improvement recommended'.

Code F1 'Further investigation required without delay'.

Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items:	
Urgent remedial action required for items:	
Further investigation required without delay for items:	
Improvement recommended for items:	

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 on page 1 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the inspection and the limitations on the inspection and testing (see D).

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is **SATISFACTORY / UNSATISFACTORY*** Delete as appropriate

(see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

* An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that further investigation without delay (F1) is required

INSPECTION, TESTING AND ASSESSMENT BY:

Signature:

Name:

(CAPITALS)

Position:

Date:

Signature:

Name:

(CAPITALS)

H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections: Page(s) No 4, 5, 6

Additional pages, including data sheets for additional source(s): Page No(s)

Schedule of Circuit Details for the Installation: Page No(s)

Schedule of Test Results for the Installation: Page No(s)

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

Please see the 'Guidance for Recipients on the Classification codes' on the reverse of this page.

* The completed report should preferably be reviewed by another skilled person, competent to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results, and with the observations and recommendations for action (if any) made in the report. This report is based on the model forms shown in Appendix 6 of BS 7671. Published by Certsure LLP. © Copyright Certsure LLP (January 2015)

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I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

5 YEARS

(Enter interval in terms of years or months, as appropriate)

provided that any items at F which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or F1 (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see F).

J. DETAILS OF THE CONTRACTOR

Trading title:

Derek Fulton T/A's CONLEY ELECTRICAL

Address:

1 BAUFIELD LANE EDINBURGH

Telephone number:

0131-669-0922

Email address:

derek.fulton@bt.com

Postcode:

EH15 2BL

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes or enter details as appropriate

System type(s)	Number and type of live conductors	Nature of supply parameters	Characteristics of primary supply overcurrent protective device(s)
TNS ☒	a.c. ☒	Nominal voltage(s) U_n 240 V	BS(EN) 1361
TNCS ☒	1-phase (2-wire) ☒	Nominal frequency, f_n 50 Hz	Type Fuse
TT ☐	2-phase (3-wire) ☐	Prospective fault current, I_p 1.98 kA	Rated current 100 A
	3-phase (3-wire) ☐	Notes: (1) by enquiry (2) by measurement (3) where more than one source, record the higher or highest value (4) by measurement	Short-circuit capacity 6 kA
	Other (please state)	External earth fault loop impedance, Z_e 0.25 Ω	Confirmation of supply polarity ☒

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes or enter details as appropriate

Details of installation earth electrode (where applicable)

Means of earthing

Distributor's facility: ☒ (eg rod(s), tapes etc)

Location: ☐

Installation earth electrode: ☐ Electrode resistance, R_A : ☐ (Ω)

Method of measurement: ☐

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

Type BS(EN) 61008

No of poles 2

Primary supply conductors (material) COPPEN

Primary supply conductors (csa) 25 mm²

Rated current, I_n 100 A

RCD operating current, $I_{\Delta n}$ / mA

Rated time delay / ms

RCD operating time (at $I_{\Delta n}$) / ms

Earthing conductor

Conductor material COPPEN

Conductor csa 16 mm²

Connection/continuity verified ☒

Main protective bonding conductors

Conductor material COPPEN

Conductor csa 10 mm²

Connection/continuity verified ☒

Earthing and protective bonding conductors

Bonding of extraneous-conductive-parts (✓)

Water installation pipes ☒

Oil installation pipes ☐

Gas installation pipes ☒

Lightning protection ☐

Structural steel ☐

Other (Specify) ☐

* (applicable only where an RCD is suitable and is used as a main circuit-breaker)

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item Description	Outcome*	Location reference	Item Description	Outcome*	Location reference
1.0 Condition/adequacy of distributor's/supply intake equipment†			4.0 Consumer unit(s)		
1.1 Service cable	✓		4.1 Adequacy of working space or access to consumer unit	✓	
1.2 Service head	✓		4.2 Security of fixing	✓	
1.3 Distributor's earthing arrangement	✓		4.3 Condition of enclosure(s) in terms of IP rating	✓	
1.4 Meter tails - Distributor/Consumer	✓		4.4 Condition of enclosure(s) in terms of fire rating	✓	
1.5 Metering equipment	✓		4.5 Enclosure not damaged/deteriorated so as to impair safety	✓	
1.6 Means of main isolation (where present)	N/A		4.6 Presence of linked main switch	✓	
2.0 Presence of adequate arrangements for other sources (microgenerators etc)			4.7 Operation of main switch (functional check)	✓	
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A		4.8 Operation of circuit-breakers and RCDs to prove disconnection (functional check)	N/A	
2.2 Adequate arrangements where a generating set operates in parallel with the public supply	N/A		4.9 Correct identification of circuits and protective devices	✓	
3.0 Earthing and bonding arrangements			4.10 Presence of RCD test notice at or near consumer unit	N/A	
3.1 Presence and condition of distributor's earthing arrangement	✓		4.11 Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	N/A	
3.2 Presence and condition of earth electrode connection	N/A		4.12 Presence of alternative or additional supply warning notice at or near consumer unit	N/A	
3.3 Confirmation of adequate earthing conductor size	✓		4.13 Presence of replacement next inspection recommendation label	✓	
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓		4.14 Presence of other required labelling (please specify)	N/A	
3.5 Confirmation of adequate main protective bonding conductor sizes	✓		4.15 Examination of protective device(s) and base(s), correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓	
3.6 Accessibility and condition of main protective bonding conductor connections	✓		4.16 Single-pole switching or protective devices in the line conductors only	✓	
3.7 Accessibility and condition of other protective bonding connections	✓		4.17 Protection against mechanical damage where cables enter consumer unit	✓	
3.8 Provision of earthing and bonding labels at all appropriate locations	✓				

† Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.

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SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference	Item	Description	Outcome*	Location reference
4.18	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✓			• incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations)	N/A	
4.19	RCDs provided for fault protection – includes RCB0s	N/A		5.11	Provision of additional protection by RCD not exceeding 30 mA		
4.20	RCDs provided for additional protection – includes RCB0s	N/A		• [†] for all socket-outlets of rating 20 A or less	N/A		
4.21	Confirmation of indication that SPD is functional	✓		• [†] for mobile equipment not exceeding a rating of 32A for use outdoors	N/A		
4.22	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓		• [†] for cables installed in walls or partitions at a depth of less than 50 mm	N/A		
				• [†] for cables installed in walls / partitions containing metal parts regardless of depth	N/A		
5.0	Distribution/final circuits			5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	✓	
5.1	Identification of conductors	✓		5.13	Band II cables segregated/separated from Band I cables	N/V	
5.2	Cables correctly supported throughout their length	✓		5.14	Cables segregated/separated from communications cabling	N/V	
5.3	Condition of insulation of live parts	✓		5.15	Cables segregated/separated from non-electrical services	N/V	
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	N/A		5.16	Termination of cables at enclosures (extent of sampling indicated in Section D of the report)		
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓		• connections soundly made and under no undue strain	✓		
5.6	Adequacy of protective devices; type and rated current for fault protection	✓		• no basic insulation of a conductor visible outside enclosures	✓		
5.7	Presence and adequacy of circuit protective conductors	✓		• connections of live conductors adequately enclosed	✓		
5.8	Co-ordination between conductors and overload protective devices	✓		• adequately connected at point of entry to enclosure (glands, bushes etc.)	✓		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	✓		5.17	Condition of accessories including socket-outlets, switches and joint boxes	✓	
5.10	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage			5.18	Suitability of accessories for external influences	✓	
	• installed in prescribed zones (see Section D. Extent and limitations)	N/V					

[†] Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection

* All boxes must be completed.
✓ indicates Acceptable condition
N/A indicates a Limitation

N/A indicates Not applicable
Unacceptable condition state C1 or C2
Improvement recommended state C3

Further investigation required without delay state FI
(to determine whether danger or potential danger exists)

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT (FOR A SINGLE DWELLING)

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Location reference	Item	Description	Outcome*	Location reference
5.19	Adequacy of working space / accessibility to equipment	✓		7.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire <i>List number and location of luminaires inspected. (Separate page)</i>	✓	4x KITCHEN (1) 2 HALL (1) 2 BATHROOM (2)
5.20	Single-pole devices for switching or protection in line conductors only	✓		7.7	Recessed luminaires (downlighters)	N/A	
6.0	Isolation and switching (isolation, switching off for mechanical maintenance and functional switching)				• correct type of lamps fitted	N/A	
6.1	In general				• installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	N/A	
	• presence and condition of appropriate devices	✓			• no signs of overheating to surrounding building fabric	N/A	
	• correct operation verified	✓			• no signs of overheating to conductors/terminations	N/A	
6.2	For isolation and switching for mechanical maintenance only			8.0	Location(s) containing a bath or shower		
	• capable of being secured in the OFF position where appropriate	N/A		8.1	Additional protection by RCD not exceeding 30 mA		
	• acceptable location – state if local or remote from equipment being controlled where appropriate	N/A			• for low voltage circuits serving the location	N/A	
	• clearly identified by position and/or durable marking(s)	N/A			• for low voltage circuits passing through Zone 1 and Zone 2 not serving the location	N/A	
6.3	For isolation only			8.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A	
	• warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	✓		8.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	N/A	
7.0	Current-using equipment (Permanently connected)			8.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	N/A	
7.1	Condition of equipment in terms of IP rating	✓		8.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A	
7.2	Equipment does not constitute a fire hazard	✓		8.6	Suitability of equipment for external influences for installed location in terms of IP rating	N/A	
7.3	Enclosure not damaged/deteriorated so as to impair safety	✓		8.7	Suitability of equipment for installation in a particular zone	✓	
7.4	Suitability for the environment and external influences	✓		9.0	Other special installations or locations - Part 7s		
7.5	Security of fixing	✓		9.1	List all other special installations or locations present, if any. (Record the results of particular inspection applied separately).	N/A	

* All boxes must be completed.
 ✓ indicates Acceptable condition
 N/A indicates a Limitation
 Further investigation required without delay state FI (to determine whether danger or potential danger exists)
 Outcome Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.
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SCHEDULES

CIRCUIT DETAILS

Circuit number	Circuit designation * To be completed only where this consumer unit is remote from the origin of the installation. Record details of the circuit supplying this consumer unit in the bold box.	Type of wiring (see code)	Reference method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices			RCD	Circuit impedances				Insulation resistance					Polarity	Maximum measured earth fault loop impedance, Z_s (Ω)	RCD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)		Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)	Ring final circuits only (1)			All circuits (At least one column to be completed)	Line/Line (MΩ)	Line/Neutral (MΩ)			Line/Earth (MΩ)	Neutral/Earth (MΩ)	operating times at $I_{\Delta n}$ (ms)	Test button operation (ms)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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TEST RESULTS

Location of consumer unit: BARNHAM FARM

Designation of consumer unit:

Prospective fault current at consumer unit: 1.98 kA

TEST INSTRUMENTS

Test instruments (serial numbers) used:

Multi-function: MEGGER

Insulation resistance: MFT1552

Continuity:

0705079849

Earth electrode resistance:

✓

Earth fault loop impedance:

✓

RCD:

11/11/2017

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic/SWA cables	Thermosetting/SWA cables	Mineral-insulated cables	