NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered **DPN4/** 0150459

DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT (FOR A SINGLE DWELLING)

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX.

Original (To the person ordering the work)

A DETAILS OF THE CLIENT

Client / Address: MRS MIDDLEDITCH
3 ST MARYS CLOSE
NYMESNOLL LE2 6FH.

B ADDRESS AND DETAILS OF THE INSTALLATION

Address: 21 BROWNING RD
LOUGHBOROUGH.

Estimated age of the electrical installation: 30 years

Evidence of alterations or additions: YES If yes, estimated age: 5 years

Date of previous inspection: 24/1/06 Electrical Installation Certificate number or previous Periodic Inspection Report number: BR21/DCH2

Records of installation available: YES Records held by: CLIENT

C PURPOSE OF THE REPORT † (see note below)

Purpose for which this report is required: PERIODIC INSPECTION

D EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING ‡ (see note below)

Extent of the electrical installation covered by this report: ALL WIRING.

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

E PARTICULARS OF THE APPROVED CONTRACTOR

Trading Title: JH ELECTRICAL CONTRACTING LTD

Address: 6 RUSS CLOSE
QUORN

Postcode LE12 8VG

NICEIC Enrolment No (Essential information) 027209

Branch No: (if applicable)

F 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 (see B), 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 G) and the attached schedules (see K and L), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the said installation was overall in ✤ SATISFACTORY **condition (see H) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).**

✤ *(Insert '**a satisfactory**' or '**an unsatisfactory**', as appropriate)*

INSPECTION, TESTING AND ASSESSMENT BY:

Signature:

Name: (CAPITALS) HALL

Position: DIRECTOR

Date: 28/2/2011

REPORT REVIEWED AND CONFIRMED BY: **See note below*

Signature:

Name: (CAPITALS) HALL

(Registered Qualified Supervisor for the Approved Contractor at E)

Date: 28/2/11

† This Domestic Periodic Inspection Report must be used only for reporting on the condition of an existing installation.

‡ 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.

* This Domestic Periodic Inspection Report should be reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it.

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

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SCHEDULES

Original (To the person ordering the work)

M CIRCUIT DETAILS

N TEST RESULTS

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 Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time accepted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-Circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)	Circuit impedances (Ω) Ring final circuits only (measured end to end) r_1 (Line)	r_n (Neutral)	r_2 (cpc)	All circuits (At least one column to be completed) $R_1 + R_2$	R_2	Insulation resistance Line/Line (MΩ)	Line/Neutral (MΩ)	Line/Earth (MΩ)	Neutral/Earth (MΩ)	Polarity (✓)	Maximum measured earth fault loop impedance, Z_s (Ω)	RCD operating times < at $I_{\Delta n}$ (ms)	at 5 $I_{\Delta n}$ (if applicable) (ms)
*																										
1	COOKER	A	C	1	6	2.5	0.4	BS 88	B	32	6		1.15				0.1	✓	✓	200	200	200	✓	0.22		
2	DOWNSTAIRS LIGHTING	A	C	3	1	1.5	〃	〃	B	6	6		6.48				0.5	✓	✓	〃	〃	〃	✓	0.65		
3																										
4																										
5																										
6																										
7	SHOWER	A	C	1	6	2.5	0.4	BS 88	B	32	6	30	1.15				0.2	✓	✓	〃	〃	〃	✓	0.32	18	11
8	RING MAIN	A	C	4	2.5	1.5	0.4	〃	〃	32	6	30	1.15	0.5	0.5	0.8	0.3	✓	✓	〃	〃	〃	✓	0.56	〃	〃
9	SOCKET NR COOKER	A	C	1	2.5	1.5	0.4	〃	〃	16	6	30	2.3				0.1	✓	✓	〃	〃	〃	✓	0.23	〃	〃
10	SOCKET NR/FLR.	A	C	1	2.5	1.5	0.4	〃	〃	16	6	30	2.3				0.1	✓	✓	〃	〃	〃	✓	0.26	〃	〃
11	LIGHTING UNSTAIRS	A	C	6	1.0	1.0	0.4	〃	〃	6	4	30	6.13				0.7	✓	✓	〃	〃	〃	✓	0.85	〃	〃
12																										
13																										
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19																										
20																										

CODES FOR TYPE OF WIRING: A PVC/PVC cables; 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 XLPE/SWA cables; H Mineral-insulated cables; O (Other - please state)

Location of consumer unit(s) UNDERSTAIRS. Designation of consumer unit(s) Prospective fault current at consumer unit(s) 1.55 kA

TEST INSTRUMENTS

Test instruments (serial numbers) used

Multi-functional 9083P. Insulation resistance Continuity Earth electrode resistance Earth fault loop impedance RCD

† ***All boxes must be completed.*** *'✓' indicates that an inspection or a test was carried out and that the result was* ***satisfactory****. 'X' indicates that an inspection or a test was carried out and that the result was* **unsatisfactory**. *'N/A' indicates that an inspection or a test was* ***not applicable*** *to the particular installation. 'LIM' indicates that, exceptionally, a* ***limitation*** *agreed with the person ordering the work (as recorded in Section D)* ***prevented*** *the inspection or test being carried out.*

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G 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 are made.

Item No		Code †
1		

Note: If necessary, continue on additional pages(s), which must be identified by the Domestic Periodic Inspection Report serial number and page number(s).

† *Where observations are made, the inspector will have entered one of the following codes against each observation to indicate the action (if any) recommended:-*

1. *'requires urgent attention' or*
2. *'requires improvement' or*
3. *'requires further investigation' or*
4. *does not comply with BS 7671: (as amended)'*

Please see the reverse of this page for guidance regarding the recommendations.

Urgent remedial work recommended for Items:

Corrective action(s) recommended for Items:

H SUMMARY OF THE INSPECTION

General condition of the installation:

Satisfactory.

Note: If necessary, continue on additional page(s), which must be identified by the Domestic Periodic Inspection Report serial number and page number(s).

Date(s) of the inspection: 25/2/2011

Overall assessment of the installation: Satisfactory

*(Entry should read either **'Satisfactory'** or **'Unsatisfactory'**)*

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 G which have been attributed a Recommendation Code 1 (*requires urgent attention*) and Code 2 (*requires improvement*) are remedied without delay and as soon as possible respectively. Items which have been attributed a Recommendation Code 3 should be actioned as soon as practicable (see G).

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J SUPPLY CHARACTERISTICS, EARTHING AND BONDING ARRANGEMENTS

Enter details, as appropriate

Supply Characteristics

Nominal voltage: $U^{(1)}$	230	V
Nominal voltage: $U_o^{(1)}$	100	V
Nominal frequency, $f^{(1)}$	50	Hz
Prospective fault current, $I_{pf}^{(2)}$	1.53	kA
External earth fault loop impedance, $Z_e^{(3)}$	0.15	Ω

Notes:
(1) by enquiry
(2) by enquiry or by measurement
(3) by measurement

No. and type of live conductors (✓)

- 1-phase (2wire) ✓
- 1-phase (3wire)
- 3-phase (3wire)
- 3-phase (4wire)
- Other (please state)

System Type(s) (✓)

- TN-S
- TN-C-S ✓
- TT

Characteristics of Primary Supply Overcurrent Protective Device(s)

- BS(EN): UNKNOWN
- Type:
- Rated current: A
- Short-circuit capacity: kA

Main Switch or Circuit-Breaker

- Type: BS(EN): 9473
- No of Poles: 2
- Supply conductors material: COPPER
- Supply conductors csa: 25 mm²
- Voltage rating: 400 V
- Rated current, I_n: 100 A
- RCD operating current, $I_{\Delta n}$*: mA
- RCD operating time (at $I_{\Delta n}$)*: ms

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

Means of Earthing

- Distributor's facility: ✓
- Installation earth electrode:
- Type: (eg rod(s), tape etc)
- Electrode resistance, R_A: (Ω)
- Location:
- Method of measurement:

Earthing and Protective Bonding Conductors

Earthing conductor		Main protective bonding conductors	
Conductor material	COPPER	Conductor material	COPPER
Conductor csa	16 mm²	Conductor csa	10 mm²
Continuity check	✓ (✓)	Continuity check	✓ (✓)

Bonding of extraneous-conductive-parts (✓)

Water service	✓	Gas service	✓	Lightning protection	
Oil service		Structural steel		Other incoming service(s)	

K SCHEDULE OF ITEMS INSPECTED

†*See note below*

Protective measures against electric shock

Basic and fault protection

Extra low voltage
Double or reinforced insulation N/A SELV

N/A Double or reinforced insulation

Basic protection

✓ Insulation of live parts ✓ Barriers or enclosures

Fault protection

Automatic disconnection of supply

- ✓ Presence of earthing conductor
- ✓ Presence of circuit protective conductors
- ✓ Presence of main protective bonding conductors
- ✓ Choice and setting of protective devices (for fault protection and/or overcurrent)

Electrical separation

N/A For **one** item of current-using equipment

Additional protection

- ✓ Presence of residual current device(s)
- ✓ Presence of supplementary bonding conductors

Prevention of mutual detrimental influence

- ✓ Proximity of non-electrical services and other influences
- ✓ Segregation of Band I and Band II circuits or Band II insulation used
- N/A Segregation of safety circuits

Identification

- ✓ Presence of diagrams, instructions, circuit charts and similar information
- ✓ Presence of danger notices
- ✓ Presence of other warning notices, including presence of mixed wiring colours
- ✓ Labelling of protective devices, switches and terminals
- Identification of conductors

Cables and conductors

- ✓ Selection of conductors for current carrying capacity and voltage drop
- Erection methods

Cables and conductors *(cont)*

- ✓ Routing of cables in prescribed zones
- ✓ Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like
- ✓ Additional protection by 30mA RCD (where required, in premises not under the supervision of skilled or instructed persons)
- ✓ Connection of conductors
- ✓ Presence of fire barriers, suitable seals and protection against thermal effects

General

- Presence and correct location of appropriate devices for isolation and switching
- ✓ Adequacy of access to switchgear and other equipment
- ✓ Particular protective measures for special installations and locations
- ✓ Connection of single-pole devices for protection or switching in line conductors only
- ✓ Correct connection of accessories and equipment
- ✓ Selection of equipment and protective measures appropriate to external influences
- ✓ Selection of appropriate functional switching devices

L SCHEDULE OF ITEMS TESTED

- ✓ External earth fault loop impedance, Z_e
- N/A Installation earth electrode resistance, R_A
- ✓ Continuity of protective conductors
- ✓ Continuity of ring final circuit conductors
- ✓ Insulation resistance between live conductors
- ✓ Insulation resistance between live conductors and earth
- ✓ Polarity
- ✓ Earth fault loop impedance, Z_s
- ✓ Verification of phase sequence
- ✓ Operation of residual current device(s)
- ✓ Functional testing of assemblies
- ✓ Verification of voltage drop

†*See note below*

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