

DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT (single dwelling)

A DETAILS OF THE CLIENT Client/ Address: BEAUMONT RESIDENTIAL BULL RING WAKEFIELD WF1	B ADDRESS AND DETAILS OF THE INSTALLATION Address: 169 HOWDEN WAY WAKEFIELD WF1 4AL Estimated age of the electrical installation: 14 years Evidence of alterations or additions: YES If yes, estimated age: 8 years Date of previous inspection: N/A Electrical Installation Certificate number or previous Periodic Inspection Report number: X Records of installation available: X Records held by: N/A
C PURPOSE OF THE REPORT Purpose for which this report is required: LETTING <small>(see note 1 below)</small>	D EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING Extent of the electrical installation covered by this report: NONE Agreed limitations, if any, on the inspection and testing: NONE <small>(see note 2 below)</small>
E PARTICULARS OF THE APPROVED CONTRACTOR Trading Title: GRW Electrical LTD Address: Network House 1 Turnberry Drive Tingley West Yorkshire Postcode: WF3 1AQ	F DECLARATION I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above (see B), have 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 a satisfactory condition (see H) at the time the inspection was carried out, and that it should be further inspected as recommended (see I). INSPECTION, TESTING AND ASSESSMENT BY: Signature: _____ Name: GORDON WALLIS Position: DIRECTOR Date: 05/11/08 REPORT REVIEWED AND CONFIRMED BY: Signature: _____ Name: GORDON WALLIS Date: 05/11/08 <small>(see note 3 below)</small>

This form is based on the recommendations of Appendix 6 of BS 7671: (as amended)

- 1) This Domestic Periodic Inspection Report must be used only for reporting on the condition of an existing installation
- 2) The inspection and testing have been carried out in accordance with BS 7671: 2008, 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.
- 3) This Domestic Periodic Inspection Report should be reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it.

This form is based on the model Periodic Inspection Report shown in Appendix 6 of BS 7671: 2008

DOMESTIC ELECTRICAL INSTALLATION PERIODIC INSPECTION REPORT

SUPPLY CHARACTERISTICS, EARTHING AND BONDING ARRANGEMENTS				Tick boxes and enter details as appropriate			
Supply characteristics Nominal voltage(s) U 230 V Nominal voltage(s) U 230 V Nominal frequency 50 Hz Prospective fault current 1.2 kA External earth fault loop impedance .19 Ω Notes: (1) by enquiry (2) by enquiry or by measurement (3) by measurement	Number and type of live conductors 1-phase (2 wire) N/A 1-phase (3 wire) ✓ 3-phase (3 wire) N/A 3-phase (4 wire) N/A Other	System Type(s) TN-S N/A TN-C-S ✓ TT N/A	Characteristics of primary supply overcurrent protective device(s) BS(EN) 1361 Type B Rated current 100 A Short-circuit capacity 16 kA	Main Switch or Circuit-Breaker Type BS (EN) 5426 Voltage rating 400 V No of poles 2 Current rating 100 A Supply conductor material CU Supply conductor csa 16 mm² RCD operating current, I N/A mA RCD operating time (at I) N/A ms *Applicable only where an RCD is used as a main switch	Means of earthing Distributor's facility ✓ Installation earth electrode N/A type: (eg rod(s) tape etc) N/A Electrode resistance Ra N/A Ω Location N/A Method of measurement N/A	Earthing and Protective Bonding Conductors Earthing conductor Conductor material COOPER Conductor csa 10 mm² Continuity check ✓ Main protective bonding conductors Conductor material CU Conductor csa 10 mm² Continuity check ✓ Bonding of extraneous conductive-parts Water service ✓ Gas service X Lightning protection X Oil service X Structural steel X Other incoming service(s) X	

SCHEDULE OF ITEMS INSPECTED

Methods of protection against electric shock:	
Basic and Fault Protection	
<input type="checkbox"/> N/A	SELV
<input type="checkbox"/> N/A	Double or reinforced insulation
Basic Protection	
<input checked="" type="checkbox"/>	Insulation of live parts
<input checked="" type="checkbox"/>	Barriers or enclosures
Fault Protection	
Automatic disconnection of supply	
<input checked="" type="checkbox"/>	Presence of earthing conductor
<input checked="" type="checkbox"/>	Presence of circuit protective conductors
<input checked="" type="checkbox"/>	Presence of main protective bonding conductors
<input type="checkbox"/> N/A	Choice and setting of protective devices (for fault protection and/or overcurrent)
Electrical Separation	
<input type="checkbox"/> N/A	For one item of current-using equipment

Additional Protection

<input checked="" type="checkbox"/> X	Presence of residual current device(s)
<input checked="" type="checkbox"/>	Presence of supplementary bonding conductors
Prevention of mutual detrimental influence:	
<input type="checkbox"/> N/A	Proximity of non-electrical services and other influences
<input type="checkbox"/> N/A	Segregation of Band I and Band II circuits or Band II insulation used
<input type="checkbox"/> N/A	Segregation of safety circuits
Identification:	
<input checked="" type="checkbox"/> X	Presence of diagrams, instructions, circuit charts and similar information
<input checked="" type="checkbox"/>	Presence of danger notices
<input checked="" type="checkbox"/>	Presence of other warning notices,
<input checked="" type="checkbox"/>	Labelling of protective devices, switches and terminals
<input checked="" type="checkbox"/>	Identification of conductors
Cables and conductors:	
<input checked="" type="checkbox"/>	Selection of conductors for current carrying capacity and voltage drop
<input checked="" type="checkbox"/>	Erection methods

Cables and conductors (cont)

<input checked="" type="checkbox"/>	Routing of cables in prescribed zones
<input checked="" type="checkbox"/>	Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails screws and the like
<input checked="" type="checkbox"/> X	Additional protection by 30mA RCD (where required in premises not under the supervision of skilled or instructed persons)
<input checked="" type="checkbox"/>	Connection of conductors
<input checked="" type="checkbox"/>	Presence of fire barriers, suitable seals and protection against thermal effects
General:	
<input checked="" type="checkbox"/>	Presence of correct location of appropriate devices for isolation and switching
<input checked="" type="checkbox"/>	Adequacy of access to switchgear and other equipment
<input checked="" type="checkbox"/>	Particular protective measures for special installations and locations
<input checked="" type="checkbox"/>	Connection of single pole devices for protection or switching in phase conductors only
<input checked="" type="checkbox"/>	Correct connection of accessories and equipment
<input checked="" type="checkbox"/> N/A	Selection of equipment and protective measures appropriate to external influences
<input checked="" type="checkbox"/>	Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

<input checked="" type="checkbox"/>	External earth fault loop impedance, (Ze)
<input type="checkbox"/> N/A	Installation earth electrode resistance, (Ra)
<input checked="" type="checkbox"/>	Continuity of protective conductors
<input checked="" type="checkbox"/>	Continuity of ring final circuit conductors
<input checked="" type="checkbox"/>	Insulation resistance between live conductors
<input checked="" type="checkbox"/>	Insulation resistance between live conductors and earth
<input checked="" type="checkbox"/>	Polarity
<input checked="" type="checkbox"/>	Earth fault loop impedance
<input checked="" type="checkbox"/>	Verification of phase sequence
<input checked="" type="checkbox"/>	Operation of residual current devices
<input checked="" type="checkbox"/>	Functional testing of assemblies
<input checked="" type="checkbox"/>	Verification of voltage drop

† All boxes must be completed. '✓' indicates that an inspection or a test was carried out and that the result was satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation
 This form is based on the recommendations of Appendix 6 of BS 7671: (as amended)

SCHEDULES

CIRCUIT DETAILS													TEST RESULTS															
Circuit number	Circuit designation (for distribution circuits insert 'D') Record details of distribution circuit at origin (meter tails) on first line	Type of wiring (see code)	Reference method	Number of points served	Circuit conductors			Overcurrent protective devices					RCD operating current (In) (mA)	Maximum permitted Zs (Ω)	Circuit impedances (Ω)						Insulation resistance				Polarity (✓)	Maximum measured earth fault loop impedance, Zs (Ω)	RCD operating times	
					Live (mm²)	cpc (mm²)	Max disconnection time permitted by BS 7671 (S)	BS (EN)	Type No.	Rating (A)	Short ckt capacity (kA)	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)			Phase/ Neutral (MΩ)	Phase/ Earth (MΩ)	Phase/ Earth (MΩ)	Neutral/ Earth (MΩ)	at 1 In (ms)	at 5 In (if applicable) (ms)					
												r1 (Phase)			r _n (Neutral)	r2 (cpc)	R1+R2							R2				
	METER TAILS	A	A	1	25	16	5	1361	B	100	16.5	.2	/	/	/	/	/	/	/	/	/	/	✓	/	/	/		
1	COOKER	A	A	1	6	2.5		1361	B	30		N/A	1.53	/	/	/	/	.21	/	200	200	200	✓	.29	/	/		
2	RING MAIN SKTS	A	A	9	2.5	1.5		1361	B	30		N/A	1.53	.16	.17	.23	.39	/	/	200	200	200	✓	.31	/	/		
3	WTR HTR	A	A	1	2.5	1.5		1361	B	15		N/A	3.06	/	/	/	/	.18	/	200	200	200	✓	.28	/	/		
4	HTR	A	A	1	2.5	1.5		1361	B	20		N/A	2.3	/	/	/	/	.21	/	200	200	200	✓	.21	/	/		
5	LIGHTS	A	A	6	1	1		1361	B	5		N/A	9.2	/	/	/	/	.23	/	200	200	200	✓	.34	/	/		
6	CONTROL CIRCUIT	A	A	1	1	1		1361	B	5		N/A	9.2	/	/	/	/	LIM	/	200	200	200	✓	LIM	/	/		
7	HTR 1	A	A	1	2.5	1.5		1361	B	15		N/A	3.06	/	/	/	/	.17	/	200	200	200	✓	.21	/	/		
8	HTR 2	A	A	1	2.5	1.5		1361	B	15		N/A	3.06	/	/	/	/	.16	/	200	200	200	✓	.21	/	/		
9	HTR3	A	A	1	2.5	1.5		1361	B	15		N/A	3.06	/	/	/	/	.16	/	200	200	200	✓	.21	/	/		
10	HTR 4	A	A	1	2.5	1.5		1361	B	15		N/A	3.06	/	/	/	/	.15	/	200	200	200	✓	.21	/	/		
11	SHOWER	A	A	1	6	2.5		1361	B	30		N/A	1.53	/	/	/	/	.19	/	200	200	200	✓	.29	/	/		
12	SPARE	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
13	CONTACTOR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
14	CONTACTOR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

H	Mineral Insulated cables
G	XLPE/SWA cables
F	PVC/SWA cables
E	PVC cables in metallic trunking for metallic trunking
D	PVC cables in metallic trunking for non metallic trunking
C	PVC cables in non metallic conduit
B	PVC cables in metallic conduit
A	PVC/PVC cables

Location of consumer unit(s) **HALL** Designation of consumer unit(s) **DBO** prospective fault current at consumer unit(s) **1.2** kA

TEST INSTRUMENTS	Multi-functional	Insulation resistance	Continuity	Earth electrode resistance	Earth loop impedance	RCD	O (Other - please state)
Record serial numbers used	07270275	07270275	07270275	07270275	07270275	07270275	N/A

This form is based on the recommendations of Appendix 6 of BS 7671:2008

PERIODIC INSPECTION REPORT

GUIDANCE FOR RECIPIENTS (to be appended to the Report)

This Periodic Inspection Report form is intended for reporting on the condition of an existing electrical installation.

You should have received an original Report and the contractor should have retained a duplicate. If you were the person ordering this Report, but not the owner of the installation, you should pass this Report, or a copy of it, immediately to the owner.

The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with details of the condition of the electrical at the time the Report was issued.

The 'Extent and Limitations' box should fully identify the extent of the installation covered by this Report and any limitations on the inspection and tests. The contractor should agree these aspects with you and with any other interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. For items classified as 'requires urgent attention', the safety of those using the installation may be at risk, and it is recommended that a competent person undertakes the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under 'Next Inspection'.

This Report is only valid if a Schedule of Inspections and a Schedule of Test Results are appended.