

# Energy Performance Certificate



181, Noel Road, LONDON, W3 0JJ

Dwelling type: Semi-detached house  
 Date of assessment: 22 October 2015  
 Date of certificate: 25 October 2015

Reference number: 8898-8923-8529-3127-4053  
 Type of assessment: RdSAP, existing dwelling  
 Total floor area: 189 m<sup>2</sup>

## Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

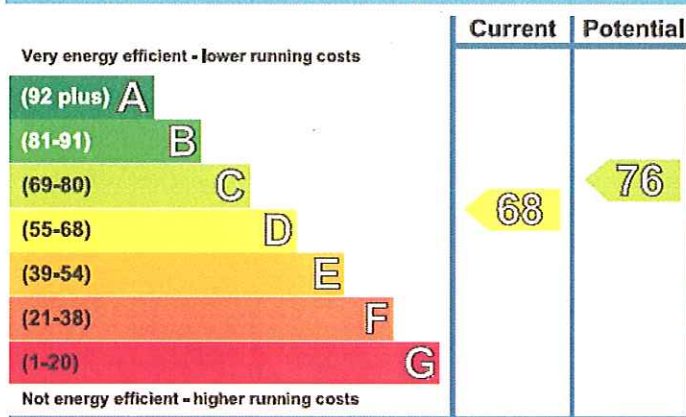
<b>Estimated energy costs of dwelling for 3 years:</b>	<b>£ 3,828</b>
<b>Over 3 years you could save</b>	<b>£ 240</b>

## Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 291 over 3 years	£ 291 over 3 years	
Heating	£ 3,189 over 3 years	£ 2,949 over 3 years	
Hot Water	£ 348 over 3 years	£ 348 over 3 years	
<b>Totals</b>	<b>£ 3,828</b>	<b>£ 3,588</b>	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances like TVs, computers and cookers, and any electricity generated by microgeneration.

## Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

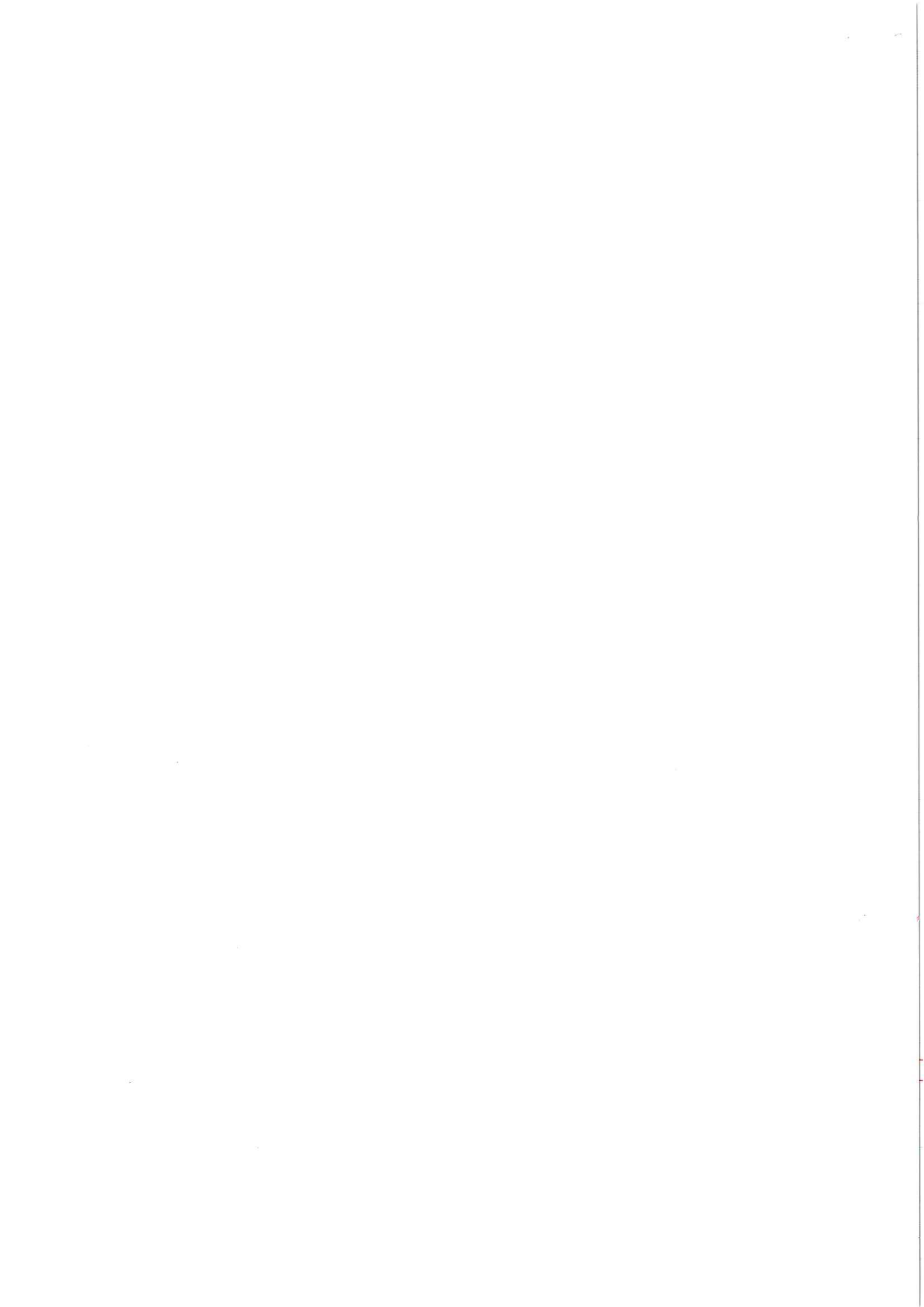
The potential rating shows the effect of undertaking the recommendations on page 4.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

## Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years	Available with Green Deal
1 Cavity wall insulation	£500 - £1,500	£ 240	
2 Solar photovoltaic panels, 2.5 kWp	£5,000 - £8,000	£ 807	

To find out more about the recommended measures and other actions you could take today to save money, visit [www.direct.gov.uk/savingenergy](http://www.direct.gov.uk/savingenergy) or call 0300 123 1234 (standard national rate). The Green Deal may allow you to make your home warmer and cheaper to run at no up-front cost.



## Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Cavity wall, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
	Cavity wall, as built, insulated (assumed)	★ ★ ★ ★ ★
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
	Roof room(s), insulated (assumed)	★ ★ ★ ★ ★
	Flat, insulated (assumed)	★ ★ ★ ★ ☆
Floor	Suspended, no insulation (assumed)	—
	Solid, insulated (assumed)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Boiler and radiators, mains gas	★ ★ ★ ★ ☆
	Boiler and radiators, mains gas	★ ★ ★ ★ ☆
Main heating controls	Programmer, TRVs and bypass	★ ★ ★ ☆ ☆
Secondary heating	None	—
Hot water	From main system	★ ★ ★ ★ ☆
Lighting	Low energy lighting in 91% of fixed outlets	★ ★ ★ ★ ★

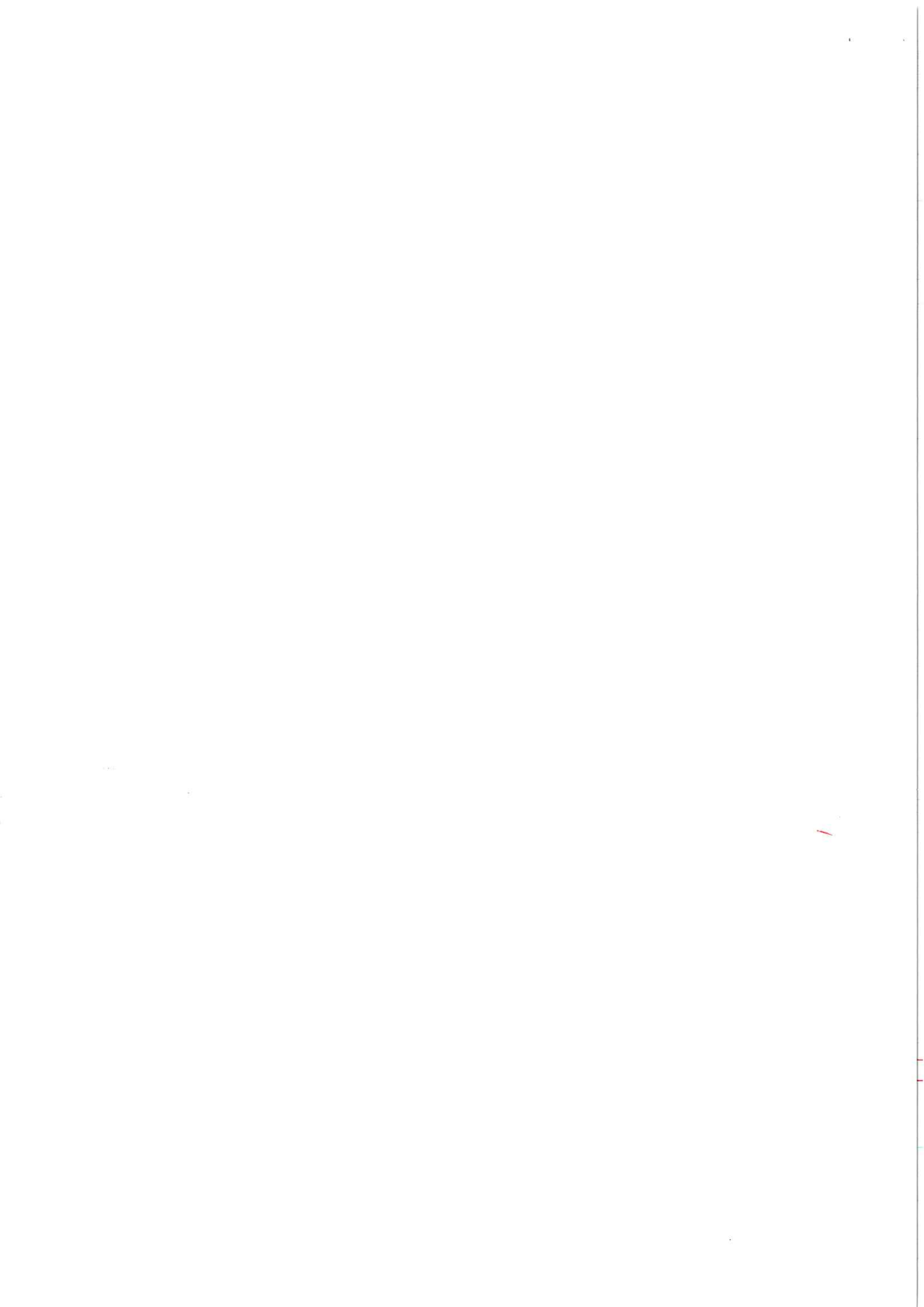
Current primary energy use per square metre of floor area: 172 kWh/m<sup>2</sup> per year

The assessment does not take into consideration the physical condition of any element. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology based on age and type of construction.

See addendum on the last page relating to items in the table above.

## Low and zero carbon energy sources

Low and zero carbon energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon. There are none provided for this home.

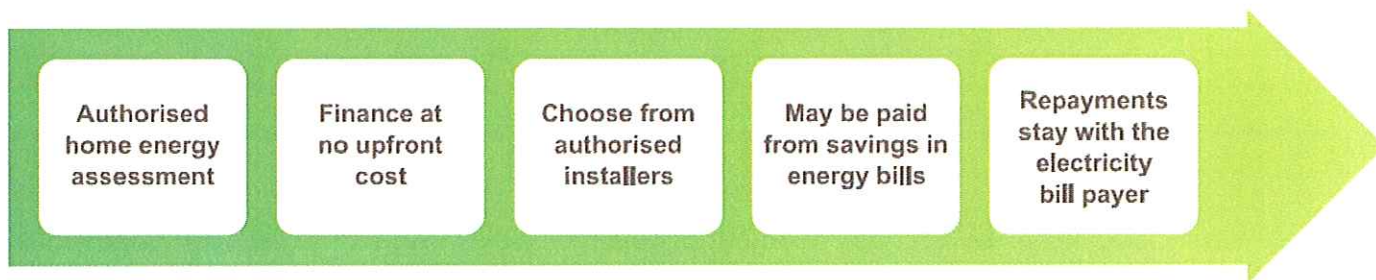


### **Opportunity to benefit from a Green Deal on this property**

The Green Deal may enable owners and occupiers to make improvements to their property to make it more energy efficient. Under a Green Deal, the cost of the improvements is repaid over time via a credit agreement. Repayments are made through a charge added to the electricity bill for the property. To see which improvements are recommended for this property, please turn to page 4. You can choose which improvements you want to install and ask for a quote from an authorised Green Deal provider. They will organise installation by an authorised Green Deal installer. If you move home, the responsibility for paying the Green Deal charge under the credit agreement passes to the new electricity bill payer.

For householders in receipt of income-related benefits, additional help may be available.



To find out more, visit [www.direct.gov.uk/savingenergy](http://www.direct.gov.uk/savingenergy) or call 0300 123 1234.









## Recommendations

The measures below will improve the energy performance of your dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions you could take today to save money is available at [www.direct.gov.uk/savingenergy](http://www.direct.gov.uk/savingenergy). Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Measures with a green tick  are likely to be fully financed through the Green Deal since the cost of the measures should be covered by the energy they save. Additional support may be available for homes where solid wall insulation is recommended. If you want to take up measures with an orange tick , be aware you may need to contribute some payment up-front.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement	Green Deal finance
Cavity wall insulation	£500 - £1,500	£ 80		
Solar photovoltaic panels, 2.5 kWp	£5,000 - £8,000	£ 269		

## Alternative measures

There are alternative measures below which you could also consider for your home.

- External insulation with cavity wall insulation

## Choosing the right package

Visit [www.epcadviser.direct.gov.uk](http://www.epcadviser.direct.gov.uk), our online tool which uses information from this EPC to show you how to save money on your fuel bills. You can use this tool to personalise your Green Deal package.

**Directgov**  
 Public services all in one place

Green Deal package	Typical annual savings
Cavity wall insulation	<b>Total savings of £80</b>
Electricity/gas/other fuel savings	£0 / £80 / £0

You could finance this package of measures under the Green Deal. It could **save you £80 a year** in energy costs, based on typical energy use. Some or all of this saving would be recouped through the charge on your bill.





**About this document**

The Energy Performance Certificate for this dwelling was produced following an energy assessment undertaken by a qualified assessor, accredited by Quidos. You can get contact details of the accreditation scheme at [www.quidos.co.uk](http://www.quidos.co.uk), together with details of their procedures for confirming authenticity of a certificate and for making a complaint. A copy of this EPC has been lodged on a national register. It will be publicly available and some of the underlying data may be shared with others for compliance and marketing of relevant energy efficiency information. The Government may use some of this data for research or statistical purposes. Green Deal financial details that are obtained by the Government for these purposes will not be disclosed to non-authorized recipients. The current property owner and/or tenant may opt out of having their information shared for marketing purposes.

Assessor's accreditation number: QUID204945  
 Assessor's name: Umair Baig  
 Phone number: 0203 327 2173  
 E-mail address: [admin@epcportal.com](mailto:admin@epcportal.com)  
 Related party disclosure: No related party

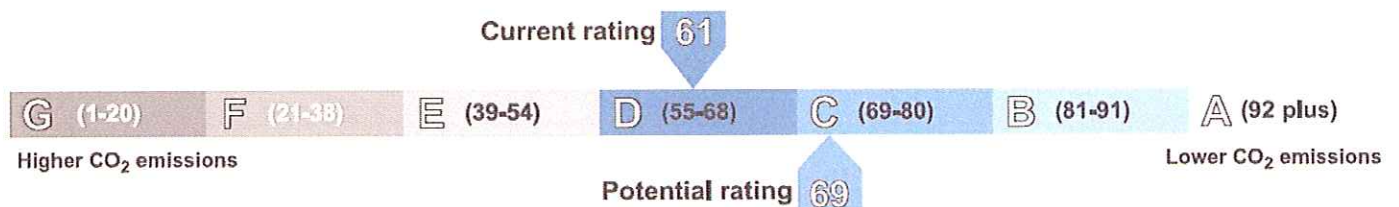
Further information about Energy Performance Certificates can be found under Frequently Asked Questions at [www.epcregister.com](http://www.epcregister.com).

**About the impact of buildings on the environment**

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.7 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 1.3 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO<sub>2</sub>) emissions. The higher the rating the less impact it has on the environment.



**Your home's heat demand**

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	18,016	(2,428)	(1,691)	N/A
Water heating (kWh per year)	2,341			



# Energy Performance Certificate



Flat A, 181 Noel Road, LONDON, W3 0JJ

Dwelling type: Ground-floor flat  
 Date of assessment: 30 October 2015  
 Date of certificate: 30 October 2015

Reference number: 8785-7930-3279-3500-8972  
 Type of assessment: SAP, new dwelling  
 Total floor area: 90 m<sup>2</sup>

## Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient

**Estimated energy costs of dwelling for 3 years:**

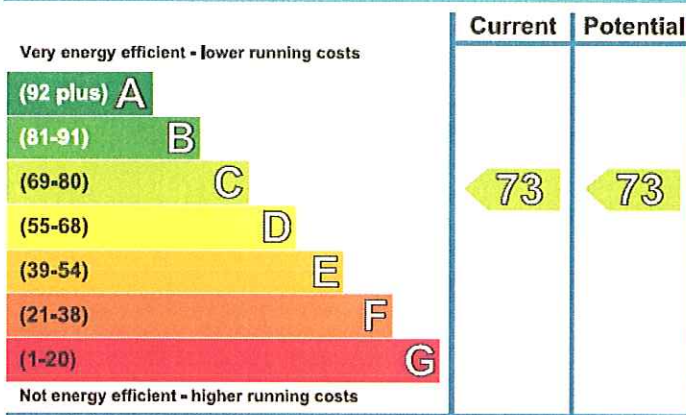
**£ 1,884**

## Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 222 over 3 years	£ 222 over 3 years	Not applicable
Heating	£ 1,347 over 3 years	£ 1,347 over 3 years	
Hot Water	£ 315 over 3 years	£ 315 over 3 years	
<b>Totals</b>	<b>£ 1,884</b>	<b>£ 1,884</b>	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances like TVs, computers and cookers, and any electricity generated by microgeneration.

## Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

### Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Average thermal transmittance 0.48 W/m <sup>2</sup> K	★★★★☆
Roof	Average thermal transmittance 0.27 W/m <sup>2</sup> K	★★★★☆
Floor	Average thermal transmittance 0.54 W/m <sup>2</sup> K	—
Windows	Fully double glazed	★★★★☆
Main heating	Boiler and radiators, mains gas	★★★★☆
Main heating controls	Programmer, room thermostat and TRVs	★★★★☆
Secondary heating	None	—
Hot water	From main system	★★★★☆
Lighting	Low energy lighting in 78% of fixed outlets	★★★★★
Air tightness	(not tested)	—

Thermal transmittance is a measure of the rate of heat loss through a building element; the lower the value the better the energy performance.

Current primary energy use per square metre of floor area: 160 kWh/m<sup>2</sup> per year

### Low and zero carbon energy sources

Low and zero carbon energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon. There are none provided for this home.

### Recommendations

None.

## About this document

The Energy Performance Certificate for this dwelling was produced following an energy assessment undertaken by a qualified assessor, accredited by Elmhurst Energy Systems Ltd. You can get contact details of the accreditation scheme at [www.elmhurstenergy.co.uk](http://www.elmhurstenergy.co.uk), together with details of their procedures for confirming authenticity of a certificate and for making a complaint. A copy of this EPC has been lodged on a national register. It will be publicly available and some of the underlying data may be shared with others for compliance and marketing of relevant energy efficiency information. The Government may use some of this data for research or statistical purposes. Green Deal financial details that are obtained by the Government for these purposes will not be disclosed to non-authorised recipients. The current property owner and/or tenant may opt out of having their information shared for marketing purposes.

Assessor's accreditation number: EES/003584  
Assessor's name: Matthew Carter  
Phone number: 01754 761035  
E-mail address: [mcarter@energycalculations.co.uk](mailto:mcarter@energycalculations.co.uk)  
Related party disclosure: No related party

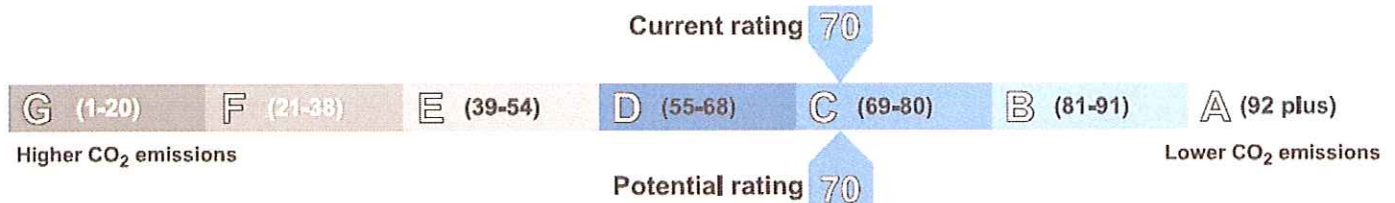
Further information about Energy Performance Certificates can be found under Frequently Asked Questions at [www.epcregister.com](http://www.epcregister.com).

## About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 2.5 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO<sub>2</sub>) emissions. The higher the rating the less impact it has on the environment.

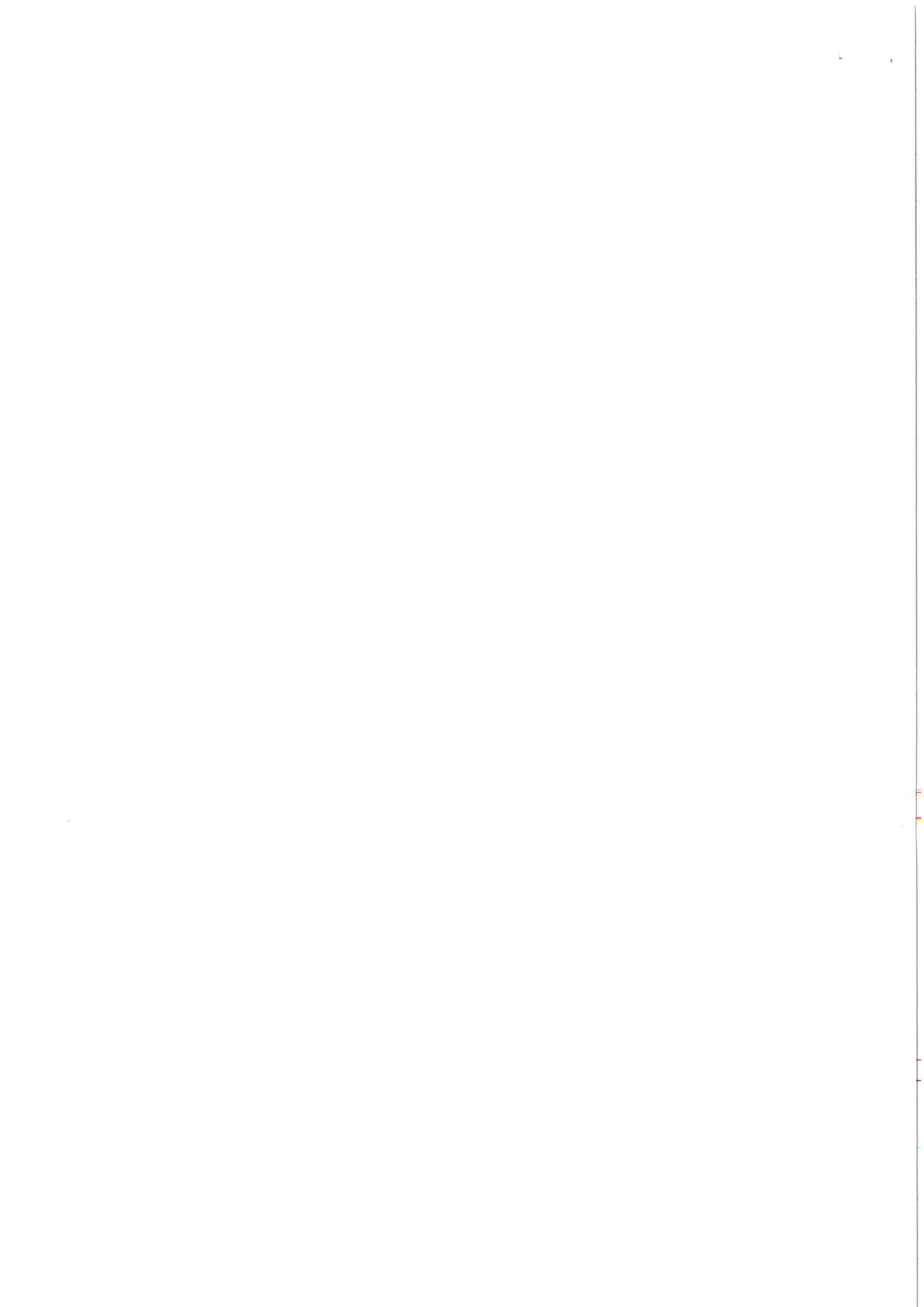


## Your home's heat demand

This table shows the energy used for space and water heating by an average household in this property.

### Heat demand

Space heating (kWh per year)	6,712
Water heating (kWh per year)	2,092





# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

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

Certificate Reference:

2020-2497

## 1 DETAILS OF THE CLIENT

Client:

Address:

## 2 DETAILS AND EXTENT OF THE INSTALLATION

Installation Address: Ground Floor Flat , 181A Noel Road, London, W3 0JJ

Extent of the installation covered by this certificate: New Build

The installation is:      New installation      ✓      Addition to an existing installation      N/A      Alteration to an existing installation      N/A

## 3 COMMENTS ON EXISTING INSTALLATION

All New Build.

## 4 NEXT INSPECTION

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

5 Years

## 5 TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	1730	Earth electrode resistance:	N/A
Insulation resistance:	1730	Earth fault loop impedance:	1730
Continuity:	1730	RCD:	1730

## 6 DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I/We being the person(s) responsible for the design, construction, 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 design, construction, inspection and testing, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to 2015 except for the departures, if any, detailed as follows.

Details of departures from BS 7671, as amended (Regulations 120.3, 133.5):

None

Details of permitted exceptions (Regulations 411.3.3):

Risk assessment attached

N/A

None

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

**For the DESIGN, the CONSTRUCTION, and the INSPECTION AND TESTING of the installation:**

Name: BILL BIRDI      Position: Senior Engineer      Signature: *Birdi*      Date: 31/10/2015

## 7 DETAILS OF THE ELECTRICAL CONTRACTOR

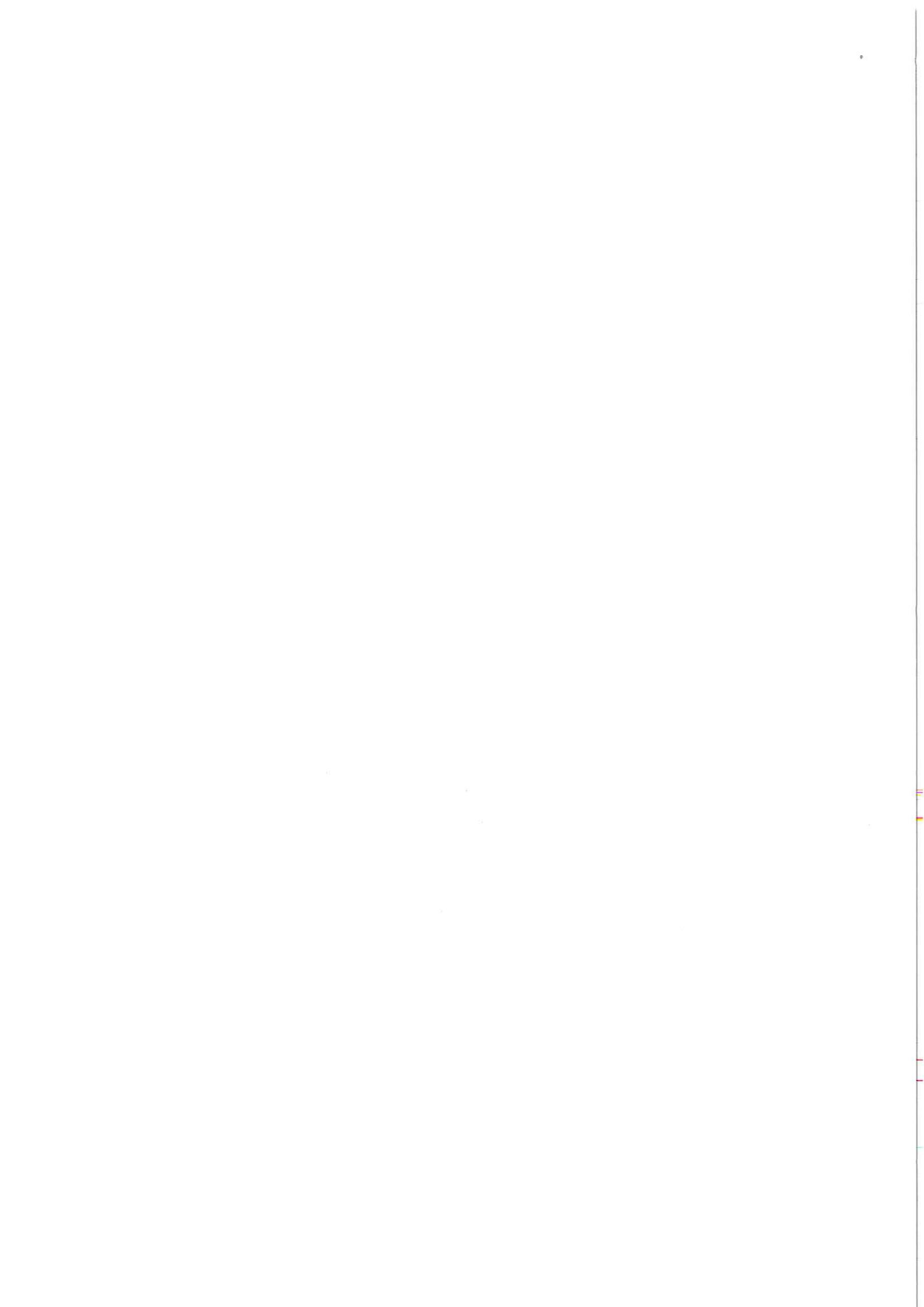
Trading Title: Paaji Ltd ( Napit Registered)

Address: 70 Keats Way  
West Drayton

Registration Number (if applicable): 115 38

Telephone Number: 07932174467

Postcode: UB7 9DU

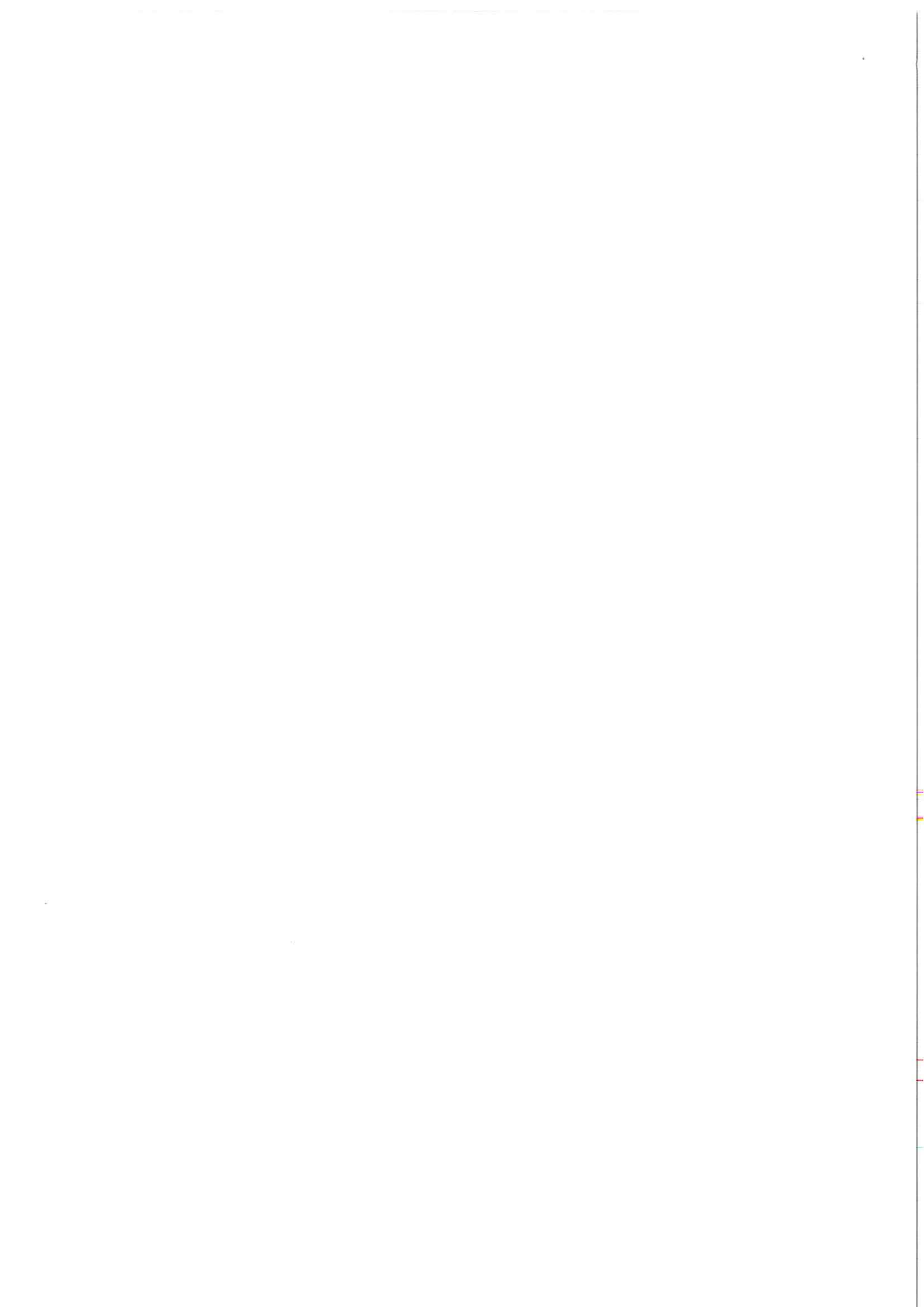




8 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS						
Earthing Arrangements	Number and Type of Live Conductors			Nature of Supply Parameters		Supply Protective Device
TN-S ✓	1-phase (2 wire): ✓	1-phase (3 wire): N/A	N/A	Nominal voltage(s): U: 240 V Uo: 230 V		BS(EN): Red Head
TN-C-S N/A	3-phase (3 wire): N/A	3-phase (4 wire): N/A	N/A	Nominal frequency, f: 50 Hz		Type:
TT N/A	Other: N/A			Prospective fault current, Ipf: 0.92 kA		Rated current: A
	Confirmation of supply polarity: ✓			External earth fault loop impedance, Ze: 0.23 Ω		Short-circuit capacity: kA

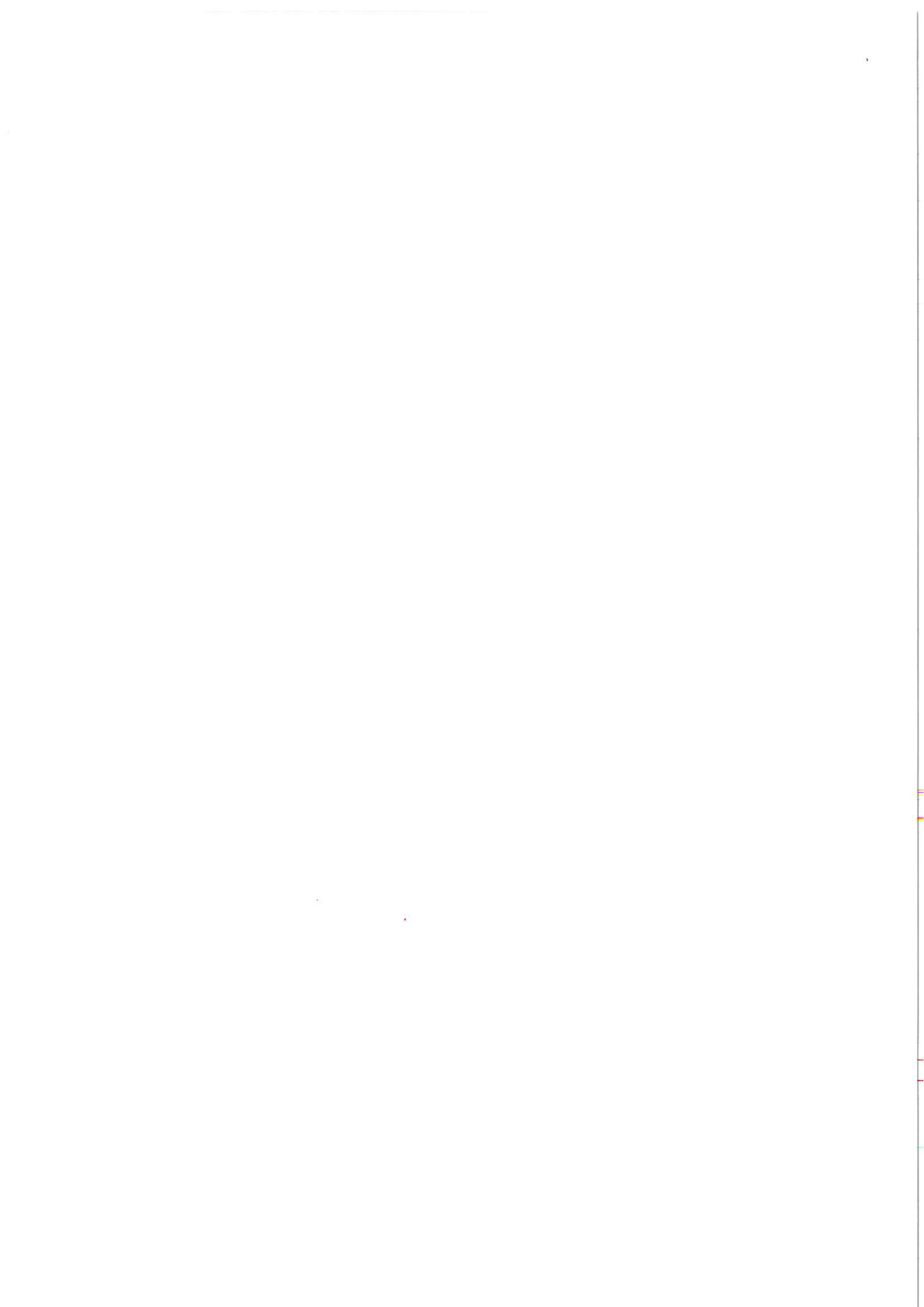
9 PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE						
Means of Earthing		Details of Installation Earth Electrode (where applicable)				
Distributor's facility: ✓	Type: N/A	Location: N/A				
Installation earth electrode: N/A	Resistance to Earth: N/A Ω	Method of measurement: N/A				
Maximum Demand (Load): 60 Amps	Protective measure(s) against electric shock: ADS	Measured Ze: 0.20 Ω				
<b>Main Switch / Switch-Fuse / Circuit-Breaker / RCD</b>					<b>If RCD main switch:</b>	
Type BS(EN): 60947-3 Isolator	Current rating: 100 A	Supply conductors material: Copper			Rated residual operating current (In): N/A mA	
Number of poles: 2	Fuse/device rating or setting: Lim A	Supply conductors csa: 25 mm <sup>2</sup>			Rated time delay: N/A ms	
	Voltage rating: 240 V				Measured operating time (In): N/A ms	
<b>Earthing and Protective Bonding Conductors</b>			<b>Bonding of extraneous-conductive parts</b>			
<b>Earthing conductor</b>			Connection/continuity verified: ✓		To water installation pipes: N/A	To gas installation pipes: ✓
Conductor material: Copper	csa: 16 mm <sup>2</sup>			To oil installation pipes:	To lightning protection:	
<b>Main protective bonding conductors</b>			Connection/continuity verified: ✓		To structural steel:	N/A
Conductor material: Copper	csa: 10 mm <sup>2</sup>					

10 SCHEDULE OF ITEMS INSPECTED		
Item	Description	Outcome
<b>1.0</b>	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>	
1.1	Condition of service cable	✓
1.2	Condition of service head	✓
1.3	Condition of distributor's earthing arrangement	✓
1.4	Condition of tails - Distributor/Consumer	✓
1.5	Condition of metering equipment	✓
1.6	Condition of isolator (where present)	N/A
<b>2.0</b>	<b>PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY</b>	
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
<b>3.0</b>	<b>AUTOMATIC DISCONNECTION OF SUPPLY</b>	
3.1	Presence and adequacy of earthing and protective bonding arrangements:	
3.1.1	Installation earth electrode (where applicable) (542.1.2.3)	N/A
3.1.2	Earthing conductor and connections including accessibility (542.3; 543.3.2)	✓
3.1.3	Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2)	✓
3.1.4	Provision of safety electrical earthing / bonding labels at all appropriate locations (514.13)	✓
3.1.5	RCD(s) provided for fault protection (411.4.9; 411.5.3)	✓
<b>4.0</b>	<b>BASIC PROTECTION</b>	
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:	
4.1.1	Insulation of live parts e.g. conductors completely covered with durable insulation materials (416.1)	✓
4.1.2	Barriers or enclosures e.g. correct IP rating (416.2)	✓



## 11 SCHEDULE OF ITEMS INSPECTED

Item	Description	Outcome
<b>5.0</b>	<b>ADDITIONAL PROTECTION</b>	
5.1	Presence and effectiveness of additional protection methods:	
5.1.1	RCD(s) not exceeding 30mA operating current (415.1; Part 7), see Item 8.14 of this schedule	✓
5.1.2	Supplementary bonding (415.2; Part 7)	N/A
<b>6.0</b>	<b>OTHER METHODS OF PROTECTION</b>	
6.1	Presence and effectiveness of methods which give both basic and fault protection:	
6.1.1	SELV systems including the source and associated circuits (Section 414)	N/A
6.1.2	PELV systems, including the source and associated circuits (Section 414)	N/A
6.1.3	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
6.1.4	Electrical separation for one item or equipment e.g. shaver supply unit (Section 413)	✓
<b>7.0</b>	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</b>	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	✓
7.2	Presence of linked main switch(s) (537.1.4; 537.1.5; 537.1.6)	N/A
7.3	Isolators, for every circuit or group of circuits and all items of equipment (537.2)	✓
7.4	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201)	✓
7.5	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	✓
7.6	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.7	Avoidance of heating affects where cables enter ferromagnetic enclosures e.g. steel (521.5)	N/A
7.8	Selection of correct type and ratings or circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, .5, .6; Sections 432, 433)	✓
7.9	Presence of appropriate circuit charts, warning and other notices:	
7.9.1	Provision of circuit charts/schedules or equivalent forms of information (514.9)	✓
7.9.2	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	N/A
7.9.3	Periodic inspection and testing notice (514.12.1)	✓
7.9.4	RCD quarterly test notice; where required (514.12.2)	✓
7.9.5	Warning notice of non-standard (mixed) colours of conductors present (514.14)	✓
7.10	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	✓
<b>8.0</b>	<b>CIRCUITS</b>	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	N/A
8.4	Cables correctly erected and supported throughout including escape routes, with protection against abrasion (Sections 521, 522)	✓
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	✓
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	N/A
8.7	Cables concealed under floors, above ceilings or in wall/partitions, adequately protected against damage (522.6.201, .202, .204)	✓
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓



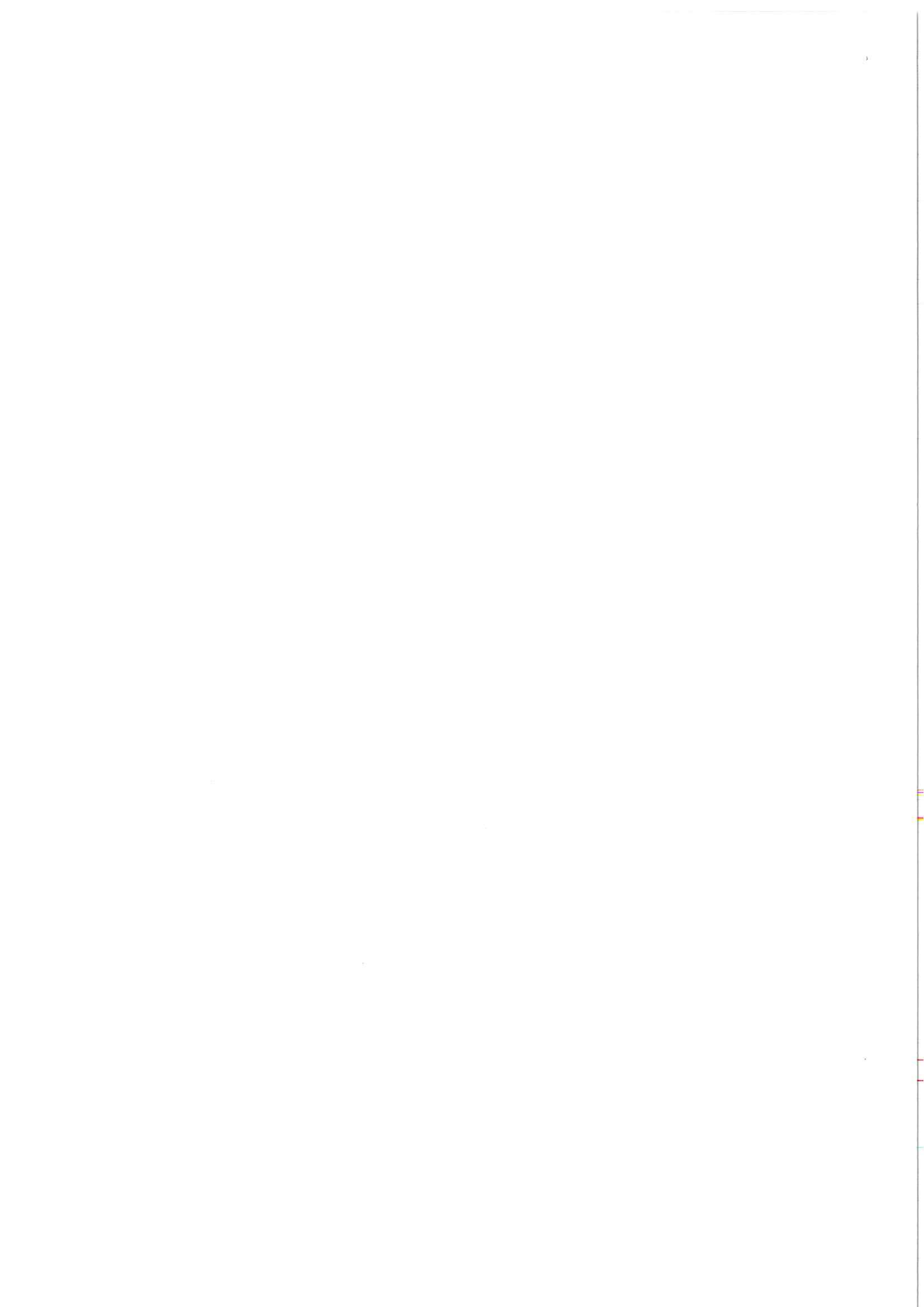
**12 SCHEDULE OF ITEMS INSPECTED**

Item	Description	Outcome
8.14	Provision of additional protection by RCD not exceeding 30mA:	
8.14.1	Socket-outlets rated at 20 A or less unless exempt (411.3.3)	✓
8.14.2	Mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	N/A
8.14.3	Cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)	✓
8.14.4	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
8.15	Presence of appropriate devices for isolation and switching correctly located including:	
8.15.1	Means or switching off for mechanical maintenance (537.3)	✓
8.15.2	Emergency switches (537.4)	✓
8.15.3	Functional switches, for control of parts of the installation and current-using equipment (537.5)	✓
8.15.4	Firefighter's switches (537.6)	N/A
<b>9.0</b>	<b>CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)</b>	
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	✓
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	N/A
9.3	Installed to minimise the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	N/A
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	N/A
<b>10.0</b>	<b>LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)</b>	
10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	✓
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	✓
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	N/A
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from Zone 1 (701.512.3)	N/A
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	✓
10.8	Suitability of current-using equipment for particular position within the location (701.55)	✓
<b>11.0</b>	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b> List all other special installations or locations present, if any (Record separately the results of particular inspections)	
11.1	N/A	N/A
11.2	N/A	N/A

**13 SCHEDULE OF ITEMS TESTED**

Item	Description	Outcome
12.1	External earth fault loop impedance, $Z_e$	✓
12.2	Installation earth electrode resistance, $R_a$	N/A
12.3	Continuity of protective conductors	✓
12.4	Continuity of ring final circuit conductors	✓
12.5	Insulation resistance between live conductors	✓
12.6	Insulation resistance between live conductors and earth	✓
12.7	Polarity	✓
12.8	Earth fault loop impedance, $Z_s$	✓
12.9	Verification of phase sequence	N/A
12.10	Operation of residual current device(s)	✓
12.11	Functional testing of assemblies	✓
12.12	Verification of voltage drop	N/A

All boxes must be completed. 'tick' indicates that an inspection or test was carried out and that the result was satisfactory. 'X' indicates that an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.



**14 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Designation of consumer unit:

**D.B. 1**

Location:

**In Flat**

Prospective fault current:

**kA O-Other:**

**N/A**

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa			Max disconnect time permitted by BS7671 s	Overcurrent protective devices				RCD	Maximum Zs permitted by BS7671 Ω	Circuit impedances (Ohms)				Insulation resistance		Maximum measured earth fault loop impedance Zs Ω	RCD				
					Live mm <sup>2</sup>	mm <sup>2</sup>	cpc		BS(EN)	Type No	Rating A	Capacity kA			Operating current mA	Ring final circuits only (measured end to end)	r1 (Line) (Neutral)	r2 (cpc)	All circuits to (one column to be completed)	R1+R2		R2	Live - Live MΩ	Live - Earth MΩ	Polarity	Disconnection time at In ms
1	Cooker	A	C	1	6	2.5	0.4		60898	B	40	6	30	0.87	N/A	N/A	0.11	N/A	>299	>299	✓	0.36	36	9	✓	
2	Lights Bathroom	A	C	N/A	1.5	1.0	0.4		60898	B	6	6	30	5.82	N/A	N/A	0.54	N/A	>299	>299	✓	0.79	36	9	✓	
3	Sockets Kitchen	A	C	N/A	2x2.5x1.5	0.4		60898	B	32	6	6	30	1.10	0.18	0.32	0.16	N/A	>299	>299	✓	0.37	36	9	✓	
4	Boiler	A	C	1	2.5	1.0	0.4		60898	B	6	6	30	5.82	N/A	N/A	0.17	N/A	>299	>299	✓	0.41	36	9	✓	
5	Lights Hallway & Bedroom	A	C	N/A	1.5	1.5	0.4		60898	B	6	6	30	5.82	N/A	N/A	0.37	N/A	>299	>299	✓	0.63	36	9	✓	
6	Sockets Living Room	A	C	N/A	2x2.5x1.5	0.4		60898	B	32	6	6	30	1.10	0.36	0.63	0.27	N/A	>299	>299	✓	0.57	36	9	✓	
7	Lights Kitchen, Living & smoke Alarm	A	C	N/A	2x1.5x1.0	0.4		60898	B	6	6	6	30	5.82	N/A	N/A	0.39	N/A	>299	>299	✓	0.69	36	9	✓	
8	Lights Outside	A	C	N/A	2x1.5x1.0	0.4		60898	B	6	6	6	30	5.82	N/A	N/A	0.33	N/A	>299	>299	✓	0.61	36	9	✓	
9	Sockets Bedroom	A	C	N/A	2x2.5x1.5	0.4		60898	B	32	6	6	30	1.10	0.33	0.61	0.28	N/A	>299	>299	✓	0.56	36	9	✓	





# Energy Performance Certificate



Flat B, 181 Noel Road, LONDON, W3 0JJ

Dwelling type: Top-floor flat  
 Date of assessment: 30 October 2015  
 Date of certificate: 30 October 2015

Reference number: 8205-7230-4609-4010-2976  
 Type of assessment: SAP, new dwelling  
 Total floor area: 90 m<sup>2</sup>

## Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient

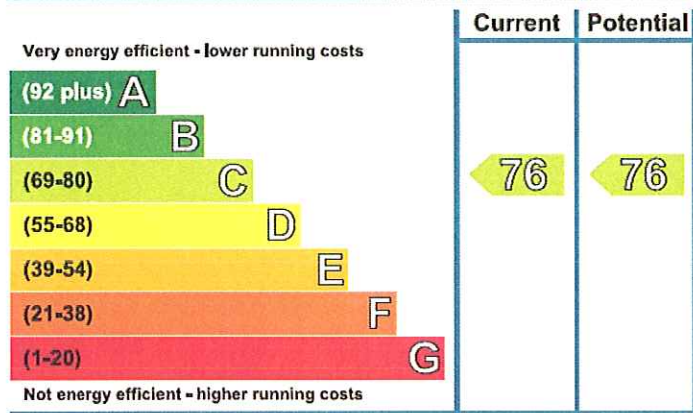
**Estimated energy costs of dwelling for 3 years: £ 1,638**

## Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 219 over 3 years	£ 219 over 3 years	Not applicable
Heating	£ 1,104 over 3 years	£ 1,104 over 3 years	
Hot Water	£ 315 over 3 years	£ 315 over 3 years	
<b>Totals</b>	<b>£ 1,638</b>	<b>£ 1,638</b>	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances like TVs, computers and cookers, and any electricity generated by microgeneration.

## Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

### Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Average thermal transmittance 0.41 W/m <sup>2</sup> K	★★★★☆
Roof	Average thermal transmittance 0.24 W/m <sup>2</sup> K	★★★★☆
Floor	(other premises below)	—
Windows	Fully double glazed	★★★★☆
Main heating	Boiler and radiators, mains gas	★★★★☆
Main heating controls	Programmer, room thermostat and TRVs	★★★★☆
Secondary heating	None	—
Hot water	From main system	★★★★☆
Lighting	Low energy lighting in 78% of fixed outlets	★★★★★
Air tightness	(not tested)	—

Thermal transmittance is a measure of the rate of heat loss through a building element; the lower the value the better the energy performance.

Current primary energy use per square metre of floor area: 134 kWh/m<sup>2</sup> per year

### Low and zero carbon energy sources

Low and zero carbon energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon. There are none provided for this home.

### Recommendations

None.

## About this document

The Energy Performance Certificate for this dwelling was produced following an energy assessment undertaken by a qualified assessor, accredited by Elmhurst Energy Systems Ltd. You can get contact details of the accreditation scheme at [www.elmhurstenergy.co.uk](http://www.elmhurstenergy.co.uk), together with details of their procedures for confirming authenticity of a certificate and for making a complaint. A copy of this EPC has been lodged on a national register. It will be publicly available and some of the underlying data may be shared with others for compliance and marketing of relevant energy efficiency information. The Government may use some of this data for research or statistical purposes. Green Deal financial details that are obtained by the Government for these purposes will not be disclosed to non-authorised recipients. The current property owner and/or tenant may opt out of having their information shared for marketing purposes.

Assessor's accreditation number: EES/003584  
Assessor's name: Matthew Carter  
Phone number: 01754 761035  
E-mail address: [mcarter@energycalculations.co.uk](mailto:mcarter@energycalculations.co.uk)  
Related party disclosure: No related party

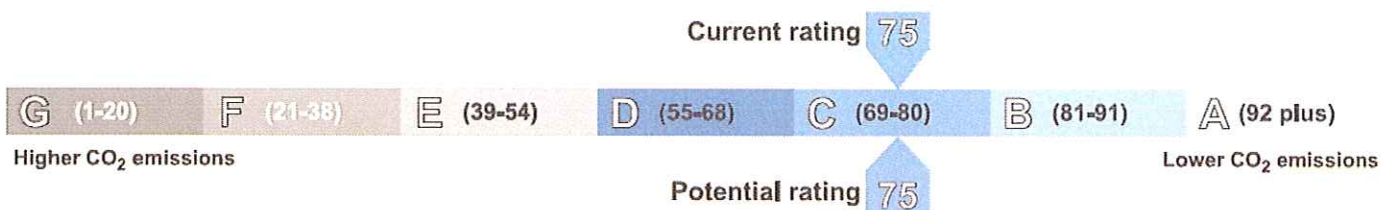
Further information about Energy Performance Certificates can be found under Frequently Asked Questions at [www.epcregister.com](http://www.epcregister.com).

## About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 2.1 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO<sub>2</sub>) emissions. The higher the rating the less impact it has on the environment.



## Your home's heat demand

This table shows the energy used for space and water heating by an average household in this property.

### Heat demand

Space heating (kWh per year)	5,084
Water heating (kWh per year)	2,092





# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

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

Certificate Reference:

2020-2496

## 1 DETAILS OF THE CLIENT

Client:

Address:

## 2 DETAILS AND EXTENT OF THE INSTALLATION

Installation Address: First Floor Flat , 181 B Noel Road, London, W3 0JJ

Extent of the installation covered by this certificate: New Build

The installation is:      New installation      ✓      Addition to an existing installation      N/A      Alteration to an existing installation      N/A

## 3 COMMENTS ON EXISTING INSTALLATION

All New Build.

## 4 NEXT INSPECTION

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

5 Years

## 5 TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	1730	Earth electrode resistance:	N/A
Insulation resistance:	1730	Earth fault loop impedance:	1730
Continuity:	1730	RCD:	1730

## 6 DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I/We being the person(s) responsible for the design, construction, 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 design, construction, inspection and testing, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671:2008, amended to 2015 except for the departures, if any, detailed as follows.

Details of departures from BS 7671, as amended (Regulations 120.3, 133.5):

None

Details of permitted exceptions (Regulations 411.3.3):

Risk assessment attached      N/A

None

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate.

**For the DESIGN, the CONSTRUCTION, and the INSPECTION AND TESTING of the installation:**

Name: BILL BIRDI      Position: Senior Engineer      Signature: *Birdi*      Date: 31/10/2015

## 7 DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: Paaji Ltd ( Napit Registered)

Address: 70 Keats Way  
West Drayton

Registration Number (if applicable): 115 38

Telephone Number: 07932174467

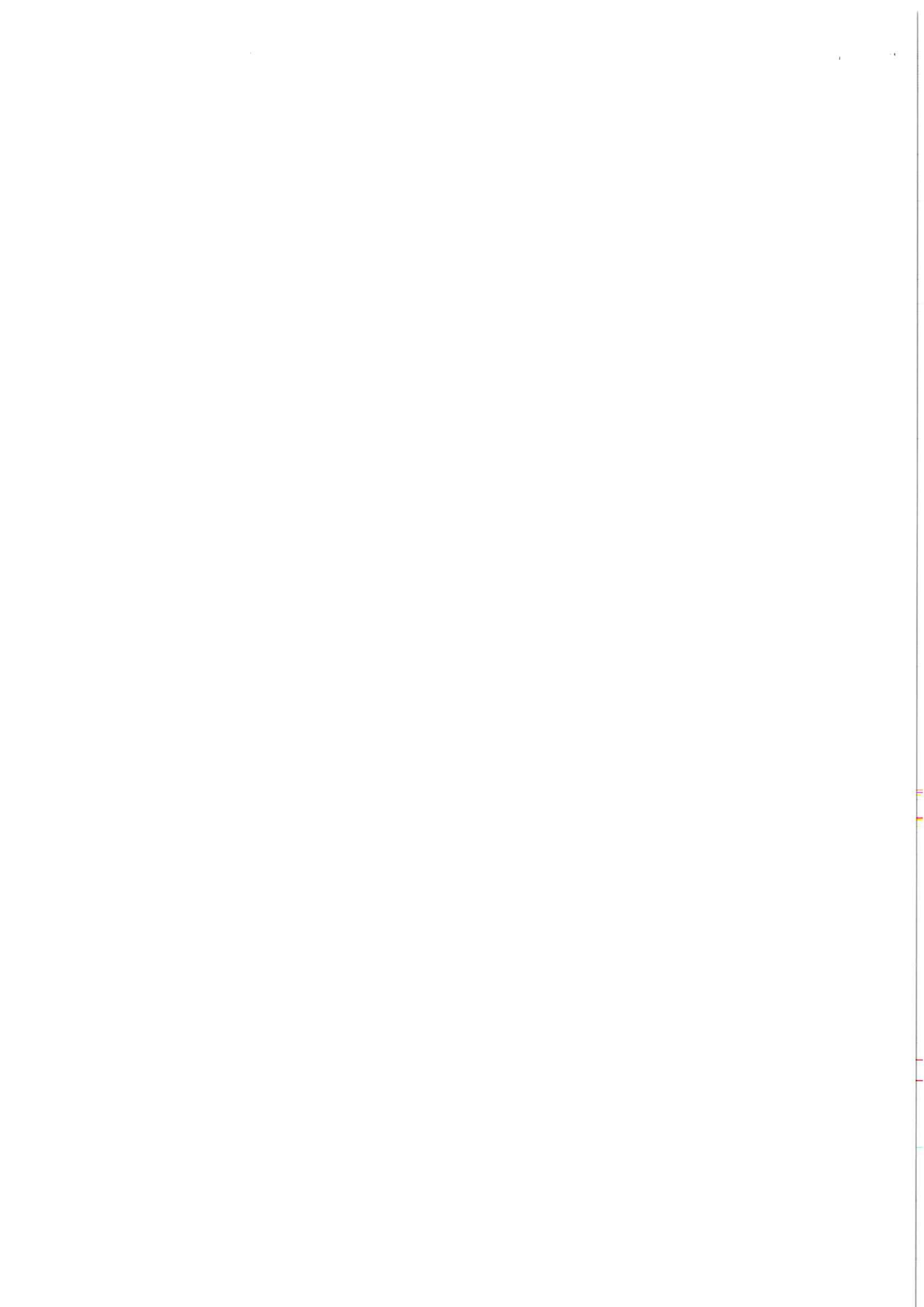
Postcode: UB7 9DU



8 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS								
Earthing Arrangements		Number and Type of Live Conductors			Nature of Supply Parameters		Supply Protective Device	
TN-S	✓	1-phase (2 wire): ✓	1-phase (3 wire): N/A	N/A	Nominal voltage(s): U: 240 V Uo: 230 V	BS(EN):	Red Head	
TN-C-S	N/A	3-phase (3 wire): N/A	3-phase (4 wire): N/A	N/A	Nominal frequency, f: 50 Hz	Type:		
TT	N/A	Other: N/A			Prospective fault current, Ipf: 0.92 kA	Rated current:	A	
		Confirmation of supply polarity: ✓			External earth fault loop impedance, Ze: 0.23 Ω	Short-circuit capacity:	kA	

9 PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE							
Means of Earthing		Details of Installation Earth Electrode (where applicable)					
Distributor's facility:	✓	Type:	N/A	Location:	N/A		
Installation earth electrode:	N/A	Resistance to Earth:	N/A Ω	Method of measurement:	N/A		
Maximum Demand (Load):	60 Amps	Protective measure(s) against electric shock:	ADS	Measured Ze:	0.20 Ω		
<b>Main Switch / Switch-Fuse / Circuit-Breaker / RCD</b>							
Type	BS(EN): 60947-3 Isolator	Current rating:	100 A	Supply conductors material:	Copper	<b>If RCD main switch:</b>	
Number of poles:	2	Fuse/device rating or setting:	Lim A	Supply conductors csa:	25 mm <sup>2</sup>	Rated residual operating current (In):	N/A mA
		Voltage rating:	240 V			Rated time delay:	N/A ms
						Measured operating time (In):	N/A ms
<b>Earthing and Protective Bonding Conductors</b>				<b>Bonding of extraneous-conductive parts</b>			
<b>Earthing conductor</b>		Connection/continuity verified: ✓		To water installation pipes: N/A		To gas installation pipes: ✓	
Conductor material:	Copper	csa: 16 mm <sup>2</sup>		To oil installation pipes:		To lightning protection:	
<b>Main protective bonding conductors</b>		Connection/continuity verified: ✓		To structural steel:		To other service(s): N/A	
Conductor material:	Copper	csa: 10 mm <sup>2</sup>					

10 SCHEDULE OF ITEMS INSPECTED		
Item	Description	Outcome
<b>1.0</b>	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>	
1.1	Condition of service cable	✓
1.2	Condition of service head	✓
1.3	Condition of distributor's earthing arrangement	✓
1.4	Condition of tails - Distributor/Consumer	✓
1.5	Condition of metering equipment	✓
1.6	Condition of isolator (where present)	N/A
<b>2.0</b>	<b>PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY</b>	
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
<b>3.0</b>	<b>AUTOMATIC DISCONNECTION OF SUPPLY</b>	
3.1	Presence and adequacy of earthing and protective bonding arrangements:	
3.1.1	Installation earth electrode (where applicable) (542.1.2.3)	N/A
3.1.2	Earthing conductor and connections including accessibility (542.3; 543.3.2)	✓
3.1.3	Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2)	✓
3.1.4	Provision of safety electrical earthing / bonding labels at all appropriate locations (514.13)	✓
3.1.5	RCD(s) provided for fault protection (411.4.9; 411.5.3)	✓
<b>4.0</b>	<b>BASIC PROTECTION</b>	
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:	
4.1.1	Insulation of live parts e.g. conductors completely covered with durable insulation materials (416.1)	✓
4.1.2	Barriers or enclosures e.g. correct IP rating (416.2)	✓





## 11 SCHEDULE OF ITEMS INSPECTED

Item	Description	Outcome
<b>5.0</b>	<b>ADDITIONAL PROTECTION</b>	
5.1	Presence and effectiveness of additional protection methods:	
5.1.1	RCD(s) not exceeding 30mA operating current (415.1; Part 7), see Item 8.14 of this schedule	✓
5.1.2	Supplementary bonding (415.2; Part 7)	N/A
<b>6.0</b>	<b>OTHER METHODS OF PROTECTION</b>	
6.1	Presence and effectiveness of methods which give both basic and fault protection:	
6.1.1	SELV systems including the source and associated circuits (Section 414)	N/A
6.1.2	PELV systems, including the source and associated circuits (Section 414)	N/A
6.1.3	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
6.1.4	Electrical separation for one item or equipment e.g. shaver supply unit (Section 413)	✓
<b>7.0</b>	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</b>	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	✓
7.2	Presence of linked main switch(s) (537.1.4; 537.1.5; 537.1.6)	N/A
7.3	Isolators, for every circuit or group of circuits and all items of equipment (537.2)	✓
7.4	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201)	✓
7.5	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	✓
7.6	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.7	Avoidance of heating affects where cables enter ferromagnetic enclosures e.g. steel (521.5)	N/A
7.8	Selection of correct type and ratings or circuit protective devices for overcurrent and fault protection (411.3.2; 411.4, .5, .6; Sections 432, 433)	✓
7.9	Presence of appropriate circuit charts, warning and other notices:	
7.9.1	Provision of circuit charts/schedules or equivalent forms of information (514.9)	✓
7.9.2	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	N/A
7.9.3	Periodic inspection and testing notice (514.12.1)	✓
7.9.4	RCD quarterly test notice; where required (514.12.2)	✓
7.9.5	Warning notice of non-standard (mixed) colours of conductors present (514.14)	✓
7.10	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	✓
<b>8.0</b>	<b>CIRCUITS</b>	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	N/A
8.4	Cables correctly erected and supported throughout including escape routes, with protection against abrasion (Sections 521, 522)	✓
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	✓
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	N/A
8.7	Cables concealed under floors, above ceilings or in wall/partitions, adequately protected against damage (522.6.201, .202, .204)	✓
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.2)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓



## 12 SCHEDULE OF ITEMS INSPECTED

Item	Description	Outcome
8.14	Provision of additional protection by RCD not exceeding 30mA:	
8.14.1	Socket-outlets rated at 20 A or less unless exempt (411.3.3)	✓
8.14.2	Mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	N/A
8.14.3	Cables concealed in walls at a depth of less than 50 mm (522.6.202, .203)	✓
8.14.4	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
8.15	Presence of appropriate devices for isolation and switching correctly located including:	
8.15.1	Means or switching off for mechanical maintenance (537.3)	✓
8.15.2	Emergency switches (537.4)	✓
8.15.3	Functional switches, for control of parts of the installation and current-using equipment (537.5)	✓
8.15.4	Firefighter's switches (537.6)	N/A
<b>9.0</b>	<b>CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)</b>	
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	✓
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	N/A
9.3	Installed to minimise the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	N/A
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	N/A
<b>10.0</b>	<b>LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)</b>	
10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	✓
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	✓
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	N/A
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from Zone 1 (701.512.3)	N/A
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	✓
10.8	Suitability of current-using equipment for particular position within the location (701.55)	✓
<b>11.0</b>	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b> List all other special installations or locations present, if any (Record separately the results of particular inspections)	
11.1	N/A	N/A
11.2	N/A	N/A

## 13 SCHEDULE OF ITEMS TESTED

Item	Description	Outcome
12.1	External earth fault loop impedance, $Z_e$	✓
12.2	Installation earth electrode resistance, $R_a$	N/A
12.3	Continuity of protective conductors	✓
12.4	Continuity of ring final circuit conductors	✓
12.5	Insulation resistance between live conductors	✓
12.6	Insulation resistance between live conductors and earth	✓
12.7	Polarity	✓
12.8	Earth fault loop impedance, $Z_s$	✓
12.9	Verification of phase sequence	N/A
12.10	Operation of residual current device(s)	✓
12.11	Functional testing of assemblies	✓
12.12	Verification of voltage drop	N/A

All boxes must be completed. 'tick' indicates that an inspection or test was carried out and that the result was satisfactory. 'X' indicates that an inspection or test was carried out and the result is not satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation. 'LIM' indicates that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out.



**14 SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS**

Circuit number	Designation of consumer unit:	Location:		Entrance		Prospective fault current:		Type of Wiring		N/A															
		D.B. 1		kA	O-Other:																				
Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors:		Overcurrent protective devices	RCD	Circuit impedances (Ohms)				Insulation resistance		RCD											
				Live mm <sup>2</sup>	cpc mm <sup>2</sup>			Max disconnect time permitted by BS7671 s	BS(EV)	Type No	Rating	Capacity kA	Operating current mA	Maximum Zs permitted by BS7671 Ω	Ring final circuits only (measured end to end)	All circuits (one column to be completed)	Live - Live MΩ	Live - Earth MΩ	Polarity	Maximum measured earth fault loop impedance Zs Ω	Disconnection time at In ms	Disconnection time at 5In ms	Test button operation		
1	Lights bathroom	A C	3	1.5	1.0	0.4	60898	B	6	6	30	5.82	N/A	N/A	0.54	N/A	>299	>299	✓	0.79	36	12	✓		
2	Sockets Bedroom & Hallway	A C	6	2x2.5x1.5	1.5	0.4	60898	B	32	6	30	1.10	0.18	0.32	0.14	N/A	>299	>299	✓	0.37	36	12	✓		
3	Sockets Kitchen	A C	8	2x2.5x1.5	1.5	0.4	60898	B	32	6	30	1.10	0.29	0.51	0.22	N/A	>299	>299	✓	0.51	36	12	✓		
4	Smoke Detectors	A C	2	1.5	1.0	0.4	60898	B	6	6	30	5.82	N/A	N/A	0.19	N/A	>299	>299	✓	0.43	36	12	✓		
5	Boiler	A C	1	2.5	1.5	0.4	60898	B	6	6	30	5.82	N/A	N/A	0.09	N/A	>299	>299	✓	0.34	36	12	✓		
6	Lights Flat	A C	26	1.5	1.0	0.4	60898	B	6	6	30	5.82	N/A	N/A	0.57	N/A	>299	>299	✓	0.84	36	12	✓		
7	Sockets Living & Bedroom	A C	8	2x2.5x1.5	1.5	0.4	60898	B	32	6	30	1.10	0.45	0.79	0.34	N/A	>299	>299	✓	0.59	36	12	✓		
8	Cooker	A C	1	6	2.5	5	60898	B	40	6	30	0.87	N/A	N/A	0.06	N/A	>299	>299	✓	0.29	36	12	✓		