

**ELECTRICAL INSTALLATION CONDITION REPORT****(Requirements for Electrical Installations – BS 7671 IEE Wiring Regulations)****DETAILS OF THE CLIENT**

Peter Banyong

**Address:** 25 Armstrong Close, Dagenham, RM8 1TF**PURPOSE FOR WHICH THIS REPORT IS REQUIRED****This report must be used only for reporting on the condition of an existing installation.**

Renewal

**Date(s)** 14/08/21**DETAILS OF THE INSTALLATION****Occupier:** Vacant**Address:** 25 Armstrong Close, Dagenham, RM8 1TF**Description of Premises:**  Domestic  Commercial  Industrial  Other**Estimated age of the Electrical** 18 **Y** **e** **Evidence of Alterations or** **Yes** **If "yes" estimated** 1 **Y** **ear****Date of previous Inspection:** N/A **Electrical Installation Certificate No: or previous Periodic Inspection report** N/A**Records of installation** N **Records held****EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND****Extent of the Electrical installation covered by this report:**

All circuits, sample testing of the installation 50%

**Agreed Limitations (including the reasons), if any, on the inspection and testing**

None

**Operational limitations including the reasons (see page No. )****This inspection has 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 roof spaces and generally within the fabric of the building or under ground have not been inspected.****SUMMARY OF THE CONDITION OF THE INSTALLATION****General condition of the installation (in terms of electrical safety):**

Installation is of safe and sound condition overall, consumer unit has been recently replaced with no paperwork and some building works have been carried out.



Name : (CAPITALS)	JERMAINE STEWART		Name : (CAPITALS)	JERMAINE STEWART	
Position:	ELECTRICIAN		Date:	14/08/21	
Date:	14/08/21		Date:	14/08/21	

## SCHEDULES AND ADDITIONAL PAGES

Schedule of items inspected Page No. 4,5,6,7

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

Schedule of Circuit Details for the installation:  
Page No(s): 8

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

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

## NEXT INSPECTION

We recommend that this installation is further inspected and tested after an interval of not more than **5 YEARS**

Provided that any items which have been attributed a Recommendation Code C1 and C2 (require urgent attention) are remedied without delay and as soon as possible respectively. Items which have been attributed a Recommendation Code C3 should be actioned as soon as practicable (see F).

## DETAILS OF ELECTRICAL CONTRACTOR

Trading Title: Simple Spark

Telephone number: 7958398031

Address: 29 Albert Walk  
North Woolwich

Fax number: /

Postcode: E16 2NL

Registration number: D612521

Branch number: /

(if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS						Tick boxes and 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)		
TN-S	√	AC	√	DC	Nominal Voltage U (1)	230	V	BS(EN)	1361
TN-C-S		1-phase (2 wire)	√	1-phase (3 wire)	Nominal frequency f (1)	50	Hz	Type	BS3161 Fuse HBC - Type 2
TN-C		2-phase (3 wire)		3-phase (3 wire)	Prospective fault current (2/3)	0.93	kA	Rated current	100
TT		3-phase (4 wire)		2 pole	External earth fault loop impedance Z <sub>e</sub> (3/4)	0.16	Ω	Short-circuit capacity	33
IT		3 pole		other	Number of supplies	1		(3) where more than one supply, the higher or highest values	
	Other (Please state)				NOTES:	1) by enquiry		(4) by measurement	
						(2) by enquiry or by measurement			

PARTICULARS OF INSTALLATION AT THE ORIGIN						Tick boxes and enter details, as appropriate		
Means of earthing		Details Installation Earth Electrode (where applicable)						
Distributor's facility	√	Type: (eg rod(s), tape etc)		Location:		Maximum Demand:		kVA/Amps
Installation earth electrode		Electrode resistance, RA:	Ω	Method of measurement:		Protective measures against electric Shock:		
# Main Switch or Circuit Breaker						Earthing and Protective Bonding Conductors		
Type (BS(EN))	60947-2 MCCB	Voltage Rating	230	V	Earthing conductor	Conductor csa	16	mm <sup>2</sup>
No of Poles	2	Rated current I <sub>n</sub>	100	A	Conductor material	Copper	Continuity check	√ (✓)
Supply	Copper	RCD operating	N/A	mA	Bonding of extraneous-conductive-parts (✓)			

conductors: material	current I <sub>1</sub> n			Gas service	✓	Lighting
Supply conductors: csa	25	mm <sup>2</sup>	RCD operating time (at I <sub>1</sub> n)	N/A	ms	Water service Oil service

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
<b>1.0 Condition/adequacy of distributor's supply intake equipment</b>			
1.1	Service cable	OK	
1.2	Service cut-out/fuse(s)	OK	
1.3	Meter tails - distributor	OK	
1.4	Meter tails - consumer	OK	
1.5	Metering equipment	OK	
1.6	Means of main isolation (where present)	OK	
2.0	Presence of adequate arrangements for parallel or switched alternative sources	OK	
3.0	Automatic disconnection of supply		
<b>3.1 Main earthing and bonding arrangements</b>			
* Presence and condition of distributor's earthing arrangement			OK
* Presence and condition of earth electrode arrangement			OK
* Adequacy of earthing conductor size			OK
* Adequacy of earthing conductor connections			OK
* Accessibility of earthing conductor connections			OK
* Adequacy of main protective bonding conductor size(s)			OK
* Adequacy of main protective bonding conductor connections			OK
* Accessibility of main protective bonding connections			OK
* Provision of earthing/bonding labels at all appropriate locations			OK
3.2 FELV			
* Source providing at least simple separation			N/A
* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises			N/A
3.3 Reduced low voltage			
* Adequacy of source			N/A
* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises			N/A
<b>4.0 Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets)</b>			
4.1	Double insulation	OK	
4.2	Reinforced insulation	OK	
4.3	Use of obstacles	OK	
4.4	Placing out of reach	OK	
4.5	Non-conducting location	OK	
4.6	Earth-free local equipotential bonding	N/A	
4.7	Electrical separation for more than one item of equipment	N/A	
5.0	Distribution equipment		
5.1	Adequacy of working space/accessibility of equipment	OK	
5.2	Security of fixing	OK	
5.3	Condition of insulation of live parts	OK	
5.4	Adequacy/security of barriers	OK	
5.5	Condition of enclosure(s) in terms of IP rating	OK	

5.6	Condition of enclosure(s) in terms of fire rating	OK
5.7	Enclosure not damaged/deteriorated so as to impair safety	OK
5.8	Presence of main switch(es), linked where required	OK
5.9	Operation of main switch(es) (functional check)	OK
5.10	Correct identification of circuit protective devices	OK
5.11	Adequacy of protective devices for prospective fault current	OK
5.12	RCD(s) provided for fault protection – includes RCBOs	OK
5.13	<b>RCD(s) provided for additional protection – includes RCBOs</b>	OK
5.14	RCD(s) provided for protection against fire – includes RCBOs	OK
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	OK
5.16	Presence of RCD retest notice at or near equipment where required	OK
5.17	Presence of diagrams, charts or schedules at or near equipment where required	N/A
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	N/A
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required	N/A
5.20	Presence of replacement next inspection recommendation label	OK
5.21	Presence of other required labelling (specify)	N/A
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	OK
5.23	Protection against mechanical damage where cables enter equipment	OK
5.24	Protection against electromagnetic effects where cables enter metallic enclosures	OK
<b>6.0 Distribution/final circuits</b>		
6.1	Identification of conductors	OK
6.2	Cables correctly supported throughout their length	OK
6.3	Condition of insulation of live parts	OK
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking	N/A
6.5	Suitability of containment systems for continued use (including flexible conduit)	OK
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	OK
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	OK
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	OK
6.9	Adequacy of protective devices; type and rated current for fault protection	OK
6.10	Presence and adequacy of circuit protective conductors	OK
6.11	Co-ordination between conductors and overload protective devices	OK
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences	OK
6.13	Cables where exposed to direct sunlight, of a suitable type	N/A
6.14	Concealed cables installed in prescribed zones (see extent and limitations)	N/A
6.15	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage caused by nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)	N/A
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions	OK
6.17	Provision of additional protection by 30 mA RCD	OK
	* Where reasonably likely to be used to supply mobile equipment for use outdoors	N/A
	* For all socket-outlets of rating 20 A or less provided for use by ordinary persons	N/A
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	N/A
6.19	Band II cables segregated/separated from Band I cables	N/A
6.20	Cables segregated/separated from non-electrical services	N/A
6.21	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)	OK
	* Connections under no undue strain	OK
	<b>No basic insulation of a conductor visible outside an enclosure</b>	OK
	Connections of live conductors adequately enclosed	OK
	Adequacy of connection at point of entry to enclosure (gland, bush or similar)	OK
6.22	General condition of wiring systems	OK
6.23	Temperature rating of cable insulation	OK

6.24	Condition of accessories including socket-outlets, switches and joint boxes	OK
6.25	Suitability of accessories for external influences	OK
7.0 Isolation and switching		
7.1 Isolations		
	* presence and condition of appropriate devices	OK
	* acceptable location	OK
	* capable of being secured in the OFF position	OK
	* correct operation verified	OK
	* clearly identified by position and/or durable marking(s)	OK
	* Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N/A
7.2 Switching off for mechanical maintenance		
	* presence and condition of appropriate devices	OK
	* acceptable location	OK
	* capable of being secured in the OFF position	OK
	* correct operation verified	OK
	* clearly identified by position and/or durable marking(s)	OK
7.3 Emergency switching/stopping		
	* presence and condition of appropriate devices	OK
	* readily accessible for operation where danger might occur	OK
	* correct operation verified	OK
	* clearly identified by position and/or durable marking(s)	OK
7.4 Functional switching		
	* presence and condition of appropriate devices	OK
	* correct operation verified	OK
8.0 Current-using equipment (permanently connected)		
8.1	Condition of equipment in terms of IP rating	OK
8.2	Equipment does not constitute a fire hazard	OK
8.3	Enclosure not damaged/deteriorated so as to impair safety	OK
8.4	Suitability for the environment and external influences	OK
8.5	Security of fixing	OK
8.6	Cable entry holes in ceiling above luminaries, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section D of report)	OK
8.7 Recessed luminaires (e.g. downlighters)		
	* correct type of lamps fitted	OK
	* installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar	OK
	* no signs of overheating to surrounding building fabric	OK
	* no signs of overheating to conductors/terminations	OK
9.0 Location(s) containing a bath or shower		
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	N/A
9.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	OK
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A
9.6	Suitability of equipment for external influences for installed location in terms of IP rating	OK
9.7	Suitability of equipment for installation in a particular zone	OK
9.8	Suitability of current-using equipment for a particular position within the location	OK
10.0 Other Special installations or locations		

<b>* All Boxes must be completed</b>		<b>Unacceptable condition state C1 or C2</b>	<b>Outcome</b>
✓	Indicates <b>Acceptable condition</b>	<b>Improvement recommended state C3</b>	Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.
LIM	indicates a <b>limitation</b>	<b>Further investigation required state F/I</b> (to determine whether danger or potential (danger exists)	
N/A	indicates <b>Not applicable</b>		

### SCHEDULE OF ITEMS TESTED

✓	External earth loop impedance, Ze	✓	Basic protection against direct contact by barrier or enclosure provided during erection
N/A	Installation earth electrode resistance, Ra	N/A	Insulation of non-conducting floors or walls
✓	Continuity of protective conductors	✓	Polarity
✓	Continuity of ring circuit conductors	✓	Earth fault loop impedance Zs
✓	Insulation resistance between live conductors	✓	Verification of phase sequence
✓	Insulation resistance between live conductors and earth	✓	Operation of residual current devices
✓	Protection by separation of circuits	✓	Functional testing of assemblies
		N/A	Verification of voltage drop



## TEST INSTRUMENTS USED

Insulation resistance	Megger 1710 Multifunction Tester
Continuity	Megger 1710 Multifunction Tester
RCD	Megger 1710 Multifunction Tester
Other	N/A
Other	N/A

## NOTES FOR RECIPIENT

### THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This Electrical Installation Condition Report form is intended for the reporting on the condition of an existing electrical installation.

You should have received an original Certificate 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 full copy of it, immediately to the user.

The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with the details of the condition of the electrical installation 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 have agreed these aspects with you and any 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 undertake the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be 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."

DISTRIBUTION BOARD DETAILS

## CIRCUIT DETAILS

DB ref.:	DB1	$Z_s$ at this board ( $\Omega$ ):	0.16	$I_{bf}$ at this board (KA):	0.93	Main switch type BSEN reference:	60947-type B	Rating:	100 Amps	Supply conductors:	25 mm <sup>2</sup>	Earth:	16 mm <sup>2</sup>
Distribution board location:	ABOVE ENTRANCE DOOR	Supplied from:	Mains	No. Of phases:	Single	Supply protective device type: BSEN reference:	BS88 Fuse HRC - Type gG	Rating:	100 Amps				

## TEST RESULTS

Circuit designation		Circuit Reference	
Type of wiring		Reference method	
Number of points served		Live ( $\text{mm}^2$ )	
Circuit conductors		cpc ( $\text{mm}^2$ )	
Max. Disconnection time permitted (s)		Type BS EN	
Overcurrent devices		Rating (A)	
Short circuit capacity (KA)		RCD	
Maximum permitted $Z_s$ $\Omega$		I <sub>AN</sub> mA	
RCD		Max. Disconnection time permitted (s)	
Circuit impedances $\Omega$		Ring final circuits only (Measured end to end)	
Insulation resistance		All circuits (At least one column to be completed)	
Phase / Phase $M\ \Omega$		$R_1$	
Phase / Neutral $M\ \Omega$		$R_n$	
Phase / Earth $M\ \Omega$		$R_2$	
Neutral / Earth $M\ \Omega$		$R_{1+R_2}$	
Polarity		Maximum Measured $Z_s$ $\Omega$	
At I <sub>AN</sub> ms		At 5 x I <sub>AN</sub> ms	

## TEST RESULTS

CODES FOR TYPES OF WIRING							
A	B	C	D	E	F	G	H
PVC/PVC CABLES	PVC CABLES IN METALLIC CONDUIT	PVC CABLES IN NON-METALLIC CONDUIT	PVC CABLES IN METALLIC TRUNKING	PVC CABLES IN NON-METALLIC TRUNKING	PVC/SWA CABLES	XLPE/SWA CABLES	MINERAL-INSULATED CABLES