ELECTRICAL INSTALLATION CONDITION REPORT

ES-B72010SWR01

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

....

Certificate Reference:

DETAILS OF THE CLIENT

Client: LONDON BOROUGH OF CAMDEN

Address: UNDER DUTY OF CARE FOR LAKEHOUSE, 33-34 JAMES TOWN ROAD, LONDON, NW1 7DB

9 PURPOSE OF THE REPORT

Purpose for which this report is required:

PERIODIC INSPECTION AND RECTIFICATION OF C1 AND C2 DEFECTS (WITHIN REASON)

DETAILS OF THE INSTALLATION

Installation Address: 194 GOLDHURST TERRACE, LONDON, INTAKE: B72010SWR01, NW6 3HN

Description of premises: Domestic N/A Commercial ✔ Industrial N/A Other: N/A

Estimated age of electrical installation: 20+ years Evidence of alteration or additions: YES if yes, estimated age: 2 years

Date of previous inspection: 03/08/2009

Records of installation available:

N/A

Electrical Installation Certificate No or previous Periodic
Inspection Report No:

N/A

A EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

SAFETY INSPECTION TO MAIN INTAKE

INSPECTION OF LANDLORDS SERVICES TO ACCESSIBLE AREAS

Agreed and operational limitations of the inspection and testing (include reasons and person agreed with):

APPLIANCES.

SPECIALIST EQUIPMENT, IE ALARMS, HEATING, VENTILATION, DOOR ENTRY, LIFT AND BOILER EQUIPMENT.

NO TESTING TO INACCESSIBLE CIRCUITS, NO TESTING TO UNIDENTIFIED CIRCUITS.

NO INSULATION TESTING ON TENANTS SUBMAINS. NO INSULATION TESTING BETWEEN LIVE AND NEUTRAL CONDUCTORS.

LIMITATIONS AGREED WITH LONDON BOROUGH OF CAMDEN

The inspection has been carried out in accordance with BS 7671:2008, as amended to 2011. Cables concealed within trunking and conduits, under floors, in roof spaces and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection.

5 DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described on page 1 (see section 2), 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 section 7) and the attached schedules (see section 17), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing (see section 4).

For the INSPECTION, TESTING AND ASSESSMENT of the report:

Name: T SLATTER Position: Electrician Signature: July Date: 04/05/2015

Report reviewed and authorised for issue by:

Name: I DICK Position: Qualified Supervisor Signature: (-) Date: 07/05/2015

6 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*:

SATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached Schedule(s) of Inspections and Test Results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

N/A There are no items adversely affecting electrical safety

or

The following observations and recommendations are made

Item No		Observations	Classification Code	Further Investigation Required
1	NOTE: THIS INSTALLATION	DOES NOT CONFORM TO LATEST AMENDED VERSION OF BS7671 17TH EDITION		
2	NOTE: UNABLE TO L	LOCATE MAIN GAS & WATER PIPES		
3	COVER MISSING FRO	OM 18 WAY DB MAIN HALLWAY GROUND FLOOR	C3	
4	RECOMMEND ENCLOSED	LIGHT FITTING TO REPLACE BATTERN HOLDER IN TOP FLOOR BATHROOM	C3	
5	NO RCD PROTECTIO	C3		
6	NO RCD PROTECTIO	ON TO SOCKETS - 2 CIRCUITS TOP FLOOR	C3	
7	FP200 POORLY TERM	C3		
8	NO EARTH JUMPS A	T SOME SOCKETS	C3	
9	NOTE: NO ACCESS 1	TO 194A (GARAGE)		
10	NOTE: NO ACCESS T	TO PIR LIGHT - RIGHT SIDE		
11	UNABLE TO IDENTIF	FY 60A SWITCHFUSE GROUND FLOOR	C3	
esponsib C1 Dar Risk		ppropriate, has been allocated to each of the observations made above the degree of urgency for remedial action: C2 Potentially dangerous Urgent remedial action required C3 Impro	re to indicate to	·
	ate remedial action	N/A		
Jrgent r	emedial action	N/A		

N/A

3, 4, 5, 6, 7, 9, 12

required for items:
Improvement

required for items:

recommended for items: Further investigation

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Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.

Investigation without delay is recommended for observations identified as 'Further Investigation Required'.

Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

General condition of the installation in terms of electrical safety:

FAIR

NEXT INSPECTION

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

Postcode:

5 Years

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

provided that any items in section 7 which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. I tems which have been attributed a Classification code C3 should be improved as soon as practicable (see section 7).

O DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: EVANS & SHEA

Address: 37 COLLIER ROW LANE

> **ROMFORD ESSEX**

> > RM5 3BD

002176000 Registration Number:

01708 741055 Telephone Number:

1 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Number and Type of Live Conductors							rs	Nature	of Supply	Characteristics of				
Туре	` '	1 1	ac:	V		dc:	N/A	1	ameters		0		Supply	
TN-S	N/A	1-phase (2 wire):	N/A	1-phase	N/A			Nominal U:	oltage(s): U: 400 V Uo:			Devic	it Protective ce(s)	
TN-C-S	/	2-phase (3 wire):	N/A	(3 wire):		3 pole:	N/A	Nominal freq	uency, f:	50 Hz	BS(EN): UI		IKNOWN	
TNC	N/A	3-phase (3 wire):	N/A	3-phase (4 wire):	~	Other:	N/A		Prospective fault current, lpf:				UNK	
TT	N/A	Other:		(+ Wile).	N/A			External eart		0.14 Ω	Rated current:		UNK	А
IT N/A Confirmation of supply polarity:			/	1 ' '	loop impedance, Ze: Number of supplies:		¦Short-cir capacity:		UNK	kA				

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Eart	hing	1 1	Details of Instal	lation Earth Electro	de (where a	ipplicable)	
Distributor's facility:	V	Type:	N/A	Location:		N/A	
Installation earth electrode:	N/A	Electrode resistance, RA:	Ν/Α Ω	Method of measurement:		N/A	
Maximum Deman	d (Load): N/A		Protective me	asure(s) against elect	ric shock:	ADS	

Bonding Conductors

		`									
	Main S	Switch	or Circuit-Brea	ıker	1	Earthing and Protec					
Type BS(EN):	UN	IK	Voltage rating:	400 V	i	Earthing co			Con	du	
Number of poles:	3		Rated current, In:	UNK A		material:		Copper			
Supply			·	I			ective bonding		conductors Condu		
conductors material:	Сор	per	RCD operating current:	N/A mA	1	Conductor material:		N/A	csa:		
Supply			DCD maked		į	Bonding of	extra	neous-cor	nductiv	e i	
conductors csa:	25	mm ²	RCD rated time delay:	N/A ms	1	Water service:	N/A	Gas service:	N/A	(
csa.			RCD operating time:	N/A ms	1 1 1	Structural Steel:	N/A	Other inco	9		

Earthing co	onduc	tor			Continuity &									
Conductor material:	(Copper	Cor	nductor	25	mm ²	connection verified:	/						
				•										
Main prote	ctive	oonaing co					Continuity &							
	Conductor N/A			nductor	N/A	1 mm ²	connection	N/A						
material:			csa	•		verified:								
	Bonding of extraneous-conductive parts													
Water	N/A	Gas	N/A	Oil		N/A	Lightning	N/A						
service:	1 4/ / 1	service:	1 4/ / 1	servic	e:	14//	protection:	1 4/ / 1						
Structural		Other inco	mina											
Steel:	N/A	service(s)		N/A										

13 IN	SPECTION SCHEDULE			
Item No	Description	Comment	Outcome	Further Investigation Required
1.0 CON	NDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY IN	TAKE EQUIPMENT	1	Required
1.1	Service cable	N/A	Pass	No
1.2	Service cut-out/fuse(s)	N/A	Pass	No
1.3	Meter tails - Distributor	N/A	Pass	No
1.4	Meter tails - Consumer	N/A	Pass	No
1.5	Metering equipment	N/A	Pass	No
1.6	Means of main isolation (where present)	N/A	Pass	No
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES (551.6; 551.7)	N/A	N/A	No
3.0 AUT	TOMATIC DISCONNECTION OF SUPPLY			
3.1 Mair	n earthing and bonding arrangements (411.3; Chapter 54)			
3.1.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	N/A	Pass	No
3.1.2	Presence and condition of earth electrode arrangement (542.1.2.3)	N/A	N/A	No
	Adequacy of earthing conductor size (542.3; 543.1.1)	N/A	Pass	No
3.1.4	Adequacy of earthing conductor connections (542.3.2)	N/A	Pass	No
3.1.5	Accessibility of earthing conductor connections (543.3.2)	N/A	Pass	No
3.1.6	Adequacy of main protective bonding conductor size(s) (544.1)	N/A	Pass	No
3.1.7	Adequacy of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	Pass	No
3.1.8	Accessibility of main protective bonding connections (543.3.2)	N/A	Pass	No
3.1.9	Provision of earthing/bonding labels at all appropriate locations (514.11)	N/A	Pass	No
3.2 FEL\	V		1	
3.2.1	Source providing at least simple separation	N/A	N/A	No
	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	N/A	No
3.3 Red	uced low voltage		1	
3.3.1	Adequacy of source	N/A	N/A	No
	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	IN/A	N/A	No
	HER METHODS OF PROTECTION (where the methods of ed on separate sheets)	of protection listed below are emp	loyed, detai	Is should be
4.1	Double insulation (Section 412)	N/A	N/A	No
4.2	Reinforced insulation (Section 412)	N/A	N/A	No
4.3	Use of obstacles (417.2)	N/A	N/A	No
4.4	Placing out of reach (417.3)	N/A	N/A	No
4.5	Non-conducting location (418.1)	N/A	N/A	No
4.6	Earth-free local equipotential bonding (418.2)	N/A	N/A	No
4.7	Electrical separation for more than one item of equipment (Section 413; 418.3)	N/A	N/A	No
5.0 DIS	STRIBUTION EQUIPMENT		1	
5.1	Adequacy of working space/accessibility of equipment (132.12; 513.1)	N/A	Pass	No
5.2	Security of fixing (134.1.1)	N/A	Pass	No
5.3	Condition of insulation of live parts (416.1)	N/A	Pass	No
5.4	Adequacy/security of barriers (416.2)	N/A	Pass	No
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	Pass	No
OUTCO Acceptal condition	ble PASS Unacceptable C1 or C2 Improvement	C3 Not N/V Limitation	LIM Not applic	able N/A

14 110	ISPECTION SCHEDULE						
Item No	Description		Co	omment		Outcome	Further Investigation Required
5.0 DIS	STRIBUTION EQUIPMENT (CONTINUED)						
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 526.5)	N/A				Pass	No
5.7	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A				Pass	No
5.8	Presence of main switch(es), linked where required (537.1.2; 537.1.4)	N/A				Pass	No
5.9	Operation of main switch(es) (functional check) (612.13.2)	N/A				Pass	No
5.10	Correct identification of circuit protective devices	N/A				Pass	No
5.11	Adequacy of protective devices for prospective fault current	N/A				Pass	No
5.12	RCD(s) provided for fault protection - includes RCBOs (414.4.9; 411.5.2; 531.2)	N/A				Pass	No
5.13	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	N/A				N/A	No
5.14	RCD(s) provided for protection against fire - includes RCBOs	N/A				N/A	No
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	N/A				Pass	No
5.16	Presence of RCD retest notice at or near equipment where required (514.12.2)	N/A				Pass	No
5.17	Presence of diagrams, charts or schedules at or near equipment where required (514.9.1)	N/A				Pass	No
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required (514.14)	N/A				N/A	No
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required (514.15)	N/A				N/A	No
5.20	Presence of replacement next inspection recommendation label (514.12.1)	N/A				N/A	No
5.21	Presence of other required labelling (please specify) (Section 514)	N/A				N/A	No
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)	N/A				Pass	No
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	N/A				Pass	No
5.24	Protection against electromagnetic effects where cables enter metallic enclosures (521.5.1)	N/A				Pass	No
6.0 DIS	STRIBUTION/FINAL CIRCUITS						
6.1	Identification of conductors (514.3.1)	N/A				Pass	No
6.2	Cables correctly supported throughout their length (522.8.5)	N/A				Pass	No
6.3	Condition of insulation of live parts (416.1)	N/A				Pass	No
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)	N/A				Pass	No
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	N/A				Pass	No
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section 4 of report) (Section 526)	N/A				Pass	No
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration (421.1; 522.6)	N/A			_	Pass	No
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation (Section 523)	N/A				Pass	No
6.9	Adequacy of protective devices; type and rated current for fault protection (411.3)	N/A				Pass	No
6.10	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	N/A				Pass	No
6.11	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	N/A				Pass	No
OUTCO	DMES					,	
Acceptal condition	PASS	С3	Not verified	N/V	Limitation	LIM Not applic	able N/A

6.0 DIS 6.12	'	Comment	0	Further
			Outcome	Investigation Required
6.12	STRIBUTION/FINAL CIRCUITS (CONTINUED)		1	
	Cable installation methods/practices appropriate to the type and nature of installation and external influences (Section 522)	N/A	Pass	No
6.13	Cables where exposed to direct sunlight, of a suitable type (522.11.1)	N/A	N/A	No
6.14	Concealed cables installed in prescribed zones (see extent and limitations) (522.6.101)	N/A	N/A	No
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) (522.6.101; 522.6.103)	N/A	N/A	No
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions (522.6.102; 522.6.103)	N/A	N/A	No
6.17 - P	Provision of additional protection by 30 mA RCD			
6.17.1	Where reasonably likely to be used to supply mobile equipment for use outdoors (411.3.3)	N/A	Pass	No
6.17.2	For all socket-outlets of rating 20 A or less provided for use by ordinary persons (411.3.3)	N/A	Pass	No
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	Pass	No
6.19	Band II cables segregated/separated from Band I cables (528.1)	N/A	N/A	No
6.20	Cables segregated/separated from non-electrical services (528.3)	N/A	N/A	No
6.21 - T	rermination of cables at enclosures(identify numbers and loc	cations of items inspected in Section 4) (Section 52	(6)
	Connections under no undue strain (526.6) No basic insulation of a conductor visible outside an	N/A	Pass	No
6.21.2	enclosure (526.8)	N/A	Pass	No
6.21.3	Connections of live conductors adequately enclosed (526.5)	N/A	Pass	No
6.21.4	Adequacy of connection at point of entry to enclosure (gland, bush or similar) (522.8.5)	N/A	Pass	No
6.22	General condition of wiring systems (621.2(ii))	N/A	Pass	No
6.23	Temperature rating of cable insulation (522.1.1; Table 52.1)	N/A	Pass	No
6.24	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))	N/A	Pass	No
6.25	Suitability of accessories for external influences (512.2)	N/A	Pass	No
	DLATION AND SWITCHING			
7.1 Isola	ators (537.2)			
7.1.1	Presence and condition of appropriate devices (537.2.2)	N/A	Pass	No
7.1.2	Acceptable location - state if local or remote from equipment in question (537.2.1.5)	N/A	Pass	No
7.1.3	Capable of being secured in the OFF position (537.2.1.2)	N/A	Pass	No
7.1.4	Correct operation verified (612.13.2)	N/A	Pass	No
7.1.5	Clearly identified by position and/or durable marking(s) (537.2.2.6)	N/A	Pass	No
7.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.2.1.3)	N/A	Pass	No
7.2 Swit	tching off for mechanical maintenance (537.3)			
7.2.1	Presence and condition of appropriate devices (537.3.1.1)	N/A	N/A	No
7.2.2	Acceptable location - state if local or remote from equipment in question (537.3.2.4)	N/A	N/A	No
OUTCO		Net	h	:
Acceptal condition		C3 Not N/V Limitation verified	LIM Not applica	able N/A

16 IN	SPECTION SCHEDULE						
Item No	Description		Co	omment		Outcome	Further Investigation Required
7.0 ISC	DLATION AND SWITCHING (CONTINUED)					1	
7.2.3	Capable of being secured in the OFF position (537.3.2.3)	N/A				N/A	No
7.2.4	Correct operation verified (612.13.2)	N/A				N/A	No
7.2.5	Clearly identified by position and/or durable marking(s) (537.3.2.4)	N/A				N/V	No
7.3 Eme	ergency switching/stopping (537.4)						
7.3.1	Presence and condition of appropriate devices (537.4.1.1)	N/A				N/A	No
7.3.2	Readily accessible for operation where danger might occur (537.4.2.5)	N/A				N/A	No
7.3.3	Correct operation verified (537.4.2.6)	N/A				N/A	No
7.3.4	Clearly identified by position and/or durable marking(s) (537.4.2.7)	N/A				N/A	No
7.4 Fun	ctional switching (537.5)						
7.4.1	Presence and condition of appropriate devices (537.5.1.1)	N/A				N/A	No
7.4.2	Correct operation verified (537.5.1.3; 537.5.2.2)	N/A				N/A	No
8.0 CUI	RRENT-USING EQUIPMENT (PERMANENTLY CONNECT	ED)					
8.1	Condition of equipment in terms of IP rating etc (416.2)	N/A				Pass	No
8.2	Equipment does not constitute a fire hazard (Section 421)	N/A				Pass	No
8.3	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A				Pass	No
8.4	Suitability for the environment and external influences (512.2)	N/A				Pass	No
8.5	Security of fixing (134.1.1)	N/A				Pass	No
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section 4 of report)	N/A				Pass	No
8.7 Rec	essed luminaires (e.g. downlighters)	1					
8.7.1	Correct type of lamps fitted	N/A				N/A	No
8.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.1)	N/A				N/A	No
8.7.3	No signs of overheating to surrounding building fabric (559.5.1)	N/A				N/A	No
8.7.4	No signs of overheating to conductors/terminations (526.1)	N/A				N/A	No
9.0 LO	CATION(S) CONTAINING A BATH OR SHOWER						
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	N/A				N/A	No
9.2	Where used as a protective measure, requirements for SELV or PELV are met (701.414.4.5)	N/A				N/A	No
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)	N/A				N/A	No
9.4	Presence of supplementary bonding conductors unless not required by BS 7671:2008 (701.415.2)	N/A				N/A	No
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 (701.512.3)	N/A				N/A	No
9.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A				N/A	No
9.7	Suitability of equipment for installation in a particular zone (701.512.3)	N/A				N/A	No
9.8	Suitability of current-using equipment for a particular position within the location (701.55)	N/A				N/A	No
10.0 O	THER SPECIAL INSTALLATIONS OR LOCATIONS other special installation or locations present, if any. (Recon	d cons	ratoly tha	resulte	of particular i	nenections on	unlied)
10.1	N/A	N/A	matery trie	Tesuits (n particular I	N/A	No No
10.2	N/A	N/A				N/A	No
OUTCO	MES						
Accepta condition	ble PASS Unacceptable C1 or C2 Improvement	С3	Not verified	N/V	Limitation	LIM Not applic	able N/A
	n is based on the model shown in Appendix 6 of BS 7671 ar	mende			Ref: ES-B7	2010SWR01	Page: 7 of 21

17 CIRCUIT DETAILS Distribution board designation: 194A SWITCHFUSE Location: INTAKE														
Distrib	ution board designation:	1	94A	SWIT	CHF		cuit		Location:			INTAK	(Ε	
				po		condu		ect time BS767	Overcurre de	nt previces	otectiv		RCD	BS767
Circuit number	Circuit desigr	nation	Type of wiring		Number of points served	Live mm ²	cpc	ω Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	× Short-circuit ト Capacity	3 Operating Surrent	B Maximum Zs permitted by BS7671
1	SUPPLY TO 194A - GAR	RAGE	Н	С	1	10	SH	5	3036	N/A	60	4	N/A	1.12
							1							
										-				
Type of Wiring O-Other: N/A														
	ARD CHARACTERI													
	IES WHEN THE BOARD to this distribution board is	SERVICE HEAD VIA METER N					TALLATION No of phases:		1					
Overcur	rent protective device distribution circuit:		1361 Fuse HBC - Type 2					Rating:	100 A Nor		Nomi Volta		230 v	
RCD		BS(EN):	N/A			N			No of poles:	N	/A	Ratin		I/A mA
Confirma	ation of supply polarity	✓ Zs: (0.16	Ω lpf:	1.5	kA	RCD	opera	ting At In:	N/A	A ms	At 5	in: N	N/A ms

Distribution board designation:			ation:	194A SWITCHFUSE							Location: INTAKE			
		Circuit imp	edances	(Ohms)			sulation d lower o				Maximum measured	RC	D Operati times	ng
Circuit number	Ring f (meas	inal circuits ured end to	s only o end)	All cir (one col be com	lumn to	Line/ Line	Line/ Neutral		Neutral/ Earth	Polarity	earth fault loop impedance Zs	At In	At 5 In	Test button operation
Circuit	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	MΩ	МΩ	ΜΩ	·	Ω	ms	ms	Test
1	N/A	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
		OF TES				or asset	number	·s).						
Multi-fur			ns dsed		70084	or asset			le resista	nce:		N/A		
Insulatio	on resista	ance:		937	70084		Earth fault loop impedance:				9370084			
Continuity:				937	70084		RCD:				9370084			

This form is based on the model shown in Appendix 6 of BS 7671 amended 2011.

Position:

Electrician

Signature:

21 TESTED BY

T SLATTER

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	RCUIT DETAILS bution board designation:	GROUNE	FLOC	R LIG	HTING	& PC	WER S	SWITCH	HFUSE	Location:	C	OUTSI	DE CL	IPBOA	RD
	<u> </u>							cuit		Overcurre	nt pr	otectiv		RCD	
Circuit number	Circuit desigr	nation		Type of wiring	Reference Method	Number of points served	Live	cpc	w Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	Short-circuit > Capacity	3 Operating Y current	D Maximum Zs Dermitted by BS7671
1	18 WAY DB/SHOWER DB/60	A SWITCHFL	JSE	В	В	3	16/2	16	5	3036	N/A	60	4	N/A	1.12
]		1							
Type of	Wiring O-Other:	/A			J]	J							
ВС	ARD CHARACTERI	STICS													
	ES WHEN THE BOARD o this distribution board i				TO TH					TALLATION No of phases:		1			
Overcur	rent protective device	BS(EN):			Fuse I					Rating:)O A	Nom Volta		230 v
RCD	listribution circuit:	BS(EN):				/A				No of poles:	N	/A	Ratir	_	I/A mA
	ation of supply polarity	~	Zs:	0.15	Ω lpf:	1.6	kA	RCD	opera		N/	A ms	At 5		V/A ms

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		ard design	ation:	GROUN	D FLOOF	LIGHTI	NG & PO	WER SW	/ITCHFU	SE Loc	ation: O	UTSIDE	CUPBO	ARD
		Circuit imp	edances	(Ohms)			sulation d lower o				Maximum measured	RC	D Operat times	ing
Circuit number	Ring f (meas	inal circuits ured end to	s only o end)	All cir (one co be com	lumn to	Line/ Line	Line/ Neutral		Neutral/ Earth	Polarity	earth fault loop impedance Zs	At In	At 5 In	Test button operation
Circui	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	MΩ	MΩ	MΩ	~	Ω	ms	ms	Test
1	N/A	N/A	N/A	0.02	N/A	N/A	LIM	> 200	> 200	~	0.17	N/A	N/A	N/A
													<u> </u>	
		OF TES				or asset	number	rs):						
Multi-fur					70084				e resista	nce:		N/A		
Insulatio	on resista	ance:		937	70084		Earth	fault loo	p impeda	ance:		937008	4	
Continui	ty:			937	70084		RCD:					937008	4	

Position: This form is based on the model shown in Appendix 6 of BS 7671:2008 amended 2011.

Electrician

Signature:

TESTED BY

T SLATTER

---- Statte Date: 04/05/2015 Ref: ES-B72010SWR01 Page: 11 of 21

	RCUIT DETAILS		CI	10) 4 (5)	. D. D.				Lasatian		NITCI	DE OL		DD
Distrib	oution board designation:		St	HOWE	K DE		cuit		Location:			DE CL	IPBOA	
				70		condu		t time 3S767	Overcurre de	nt pr vices	otectiv	/e	RCD	19258
Circuit number	Circuit desigr	nation	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	Rating	Short-circuit Capacity	Operating current	Maximum Zs permitted by BS7671
Circu			Туре	Refe	Num	mm ²	mm ²	S ⊈			Ã A	が ö kA	o ರ mA	Ω
	RCD MAIN SWITCH		N/A	N/A	N/A	N/A	N/A	N/A	61008	N/A	63	N/A	30	N/A
1	SHOWER		A	В	1	10	4	0.4	60898	В	40	10	30	1.15
2	SHOWER LIGHT/FAN		А	В	2	1.5	1.0	0.4	60898	В	6	10	30	7.67
Type of	Wiring O-Other:	4												
	OARD CHARACTERI													
APPLI	ES WHEN THE BOARD	IS NOT CON												
Overcur	o this distribution board i rent protective device	OWER & I 3036 F						No of phases:		1 0 A	Nom		230 v	
for the c	distribution circuit:	BS(EN):	3030 F	•	/A	-110103	ou)		Rating: No of poles:		/A	Volta Ratir	ge.	1/A mA
RCD Confirma	ation of supply polarity		's: 0.15			kA	RCD	opera			A ms	At 5	3	V/A ms

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		SULTS pard design	ation:			SHO	WER DI	3		Loc	ation: O	UTSIDE	CUPBO	ARD
		Circuit imp	edances	(Ohms)		Ir	nsulation d lower c	resistan			Maximum measured		D Operati times	
Circuit number	Ring f (meas	inal circuits ured end to	s only o end)	All cir (one co be com	lumn to	Line/ Line	Line/ Neutral		Neutral/ Earth	Polarity	earth fault	At In	At 5 In	Test button operation
Circuit	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	ΜΩ	ΜΩ	ΜΩ	V	Ω	ms	ms	Test
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	N/A	N/A	N/A	0.14	N/A	N/A	LIM	> 200	> 200	~	0.29	48	15	~
2	N/A	N/A	N/A	0.34	N/A	N/A	LIM	> 200	> 200	~	0.49	48	15	~
		OF TES				/an a)						

Details of Test Instruments used (state serial and/or asset numbers): Multi-functional: 9370084 Earth electrode resistance: N/A Insulation resistance: 9370084 Earth fault loop impedance: 9370084 Continuity: 9370084 RCD: 9370084

-1+S	11 1-1	D F	3Y

Name: T SLATTER Position: Electrician Signature: Date: 04/05/2015

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	RCUIT DETAILS													
Distrib	oution board designation:		60A	SWIT	CHF		cuit		Location:			HALLW	/AY	
				po		condu		ect time BS767	Overcurre de	nt pr vices	otectiv		RCD	BS767
Circuit number	Circuit desigr	nation	Type of wiring	Reference Method	Number of points served	Live mm ²	cpc	ω Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	Short-circuit Capacity	3 Operating Surrent	B Maximum Zs permitted by BS7671
1	UNABLE TO IDENTIFY		F	С	UNK	10	10	5	1361	2	60	33	N/A	0.70
			1											
			1											
			_				1							
	,													
	1													
]									
							1							
			1											
					1									
			ļ											
				ı										
Type of	Wiring O-Other:	N/A												
	ARD CHARACTERI													
	IES WHEN THE BOARD to this distribution board is			TO TH					TALLATION No of phases:		1			
Overcuri	rent protective device distribution circuit:			use (S					Rating:		0 A	Nomi Volta		230 v
RCD		BS(EN):		N	I/A			١	No of poles:	N	/A	Ratin	ıg: N	I/A mA
Confirma	ation of supply polarity	✓ Zs:	0.14	Ω lpf:	1.7	kA	RCD	opera	ting At In:	N/	A ms	At 5	in: N	N/A ms

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		SULTS pard design	ation:		6	OA SW	/ITCHFI	JSE		Loc	ation:	НА	LLWAY	
		Circuit imp	edances	(Ohms)			nsulation d lower o				Maximum measured	RC	D Operat times	ing
Circuit number	Ring f (meas	inal circuits ured end to	s only o end)	All cir (one co be com	lumn to	Line/ Line	Line/ Neutral	Line/ Earth	Neutral/ Earth	Polarity	earth fault		At 5 In	Test button operation
Circuit	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	ΜΩ	ΜΩ	ΜΩ	ΜΩ	V	Ω	ms	ms	Test
1	N/A	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
			1											
	ZLIAT	OF TES	TIMS	TRIMA	NTS-								<u></u>	
Detail		Instrumen		(state se		or asse			le resista	nce.		N/A		
	on resista				0004				p imped			937008	34	

TES	BY	
1 L J	, ,	

Continuity:

Name: T SLATTER Position: Electrician Signature: Date: 04/05/2015

RCD:

9370084

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9370084

	RCUIT DETAILS pution board designation: LIG	HTI	NG &	POW	ÆR D	В		Location:	GRO	DUND	FLOO	R HAL	LWAY
			-		condu	cuit ictors:	t time S7671	Overcurre de	ent pr		/e	RCD	S7671
Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	ω Max disconnect time permitted by BS7671	BS(EN)	Type No	Y Rating	ج Short-circuit ک Capacity	S Operating S current	D Maximum Zs permitted by BS7671
1	UTILITY ROOM WASHING MACHINE	Α	Α	1	6	2.5	0.4	60898	В	32	10	N/A	1.44
2	SOCKETS UTILITY ROOM + CALL SYSTEM	Α	A/B	4	2.5	1.5	0.4	60898	В	20	10	30	2.30
3	OFFICE + KITCHEN SOCKETS	Α	A/B	5	2.5	1.5	0.4	60898	В	20	10	30	2.30
4	KITCHEN RING MAIN	Α	А	13	2.5	1.5	0.4	60898	В	32	10	30	1.44
5	1ST FLOOR RING MAIN	Α	Α	11	2.5	1.5	0.4	60898	В	32	10	N/A	1.44
6	WATER HEATER 1ST FLR CUPBOARD	Α	Α	1	2.5	1.5	0.4	60898	В	16	10	N/A	2.87
7	RING MAIN LANDING/BEDROOM	Α	Α	5	2.5	1.0	0.4	61009	В	32	6	30	1.44
8	COOKER NO.1	Α	Α	1	6	2.5	0.4	61009	В	32	6	30	1.44
9	BELL TRANSFORMER	Α	Α	1	1.0	1.0	0.4	60898	В	6	10	N/A	7.67
10	LIGHTS HALL/UTILITY	Α	A/B	5	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
11	LIGHT OFFICE WC + KITCHEN	Α	Α	5	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
12	LIGHTS BED/HALL/EMG	Α	A/B	13	1.5	1.0	0.4	61009	В	6	6	30	7.67
13	LIGHTS 1ST FLR BED/BATHROOM	Α	Α	6	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
14	LIGHTS 1ST FLR BED/SHOWER/STAIRS	Α	Α	9	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
15	FIRE ALARM SPUR	Α	В	1	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
16	O/S PIR LIGHTS RHS	0	С	3	2.5	2.5	0.4	61009	В	10	6	30	4.60
17	COOKER NO.2	Α	Α	1	6	2.5	0.4	61009	В	32	6	30	1.44
18	O/S PIR LIGHTS ENTRANCE/LHS	0	С	4	2.5	2.5	0.4	61009	В	10	6	30	4.60
Type of	Wiring O-Other: FP200												
	DARD CHARACTERISTICS												
APPL	IES WHEN THE BOARD IS NOT CONNEC						_			1			
Overcur	to this distribution board is from: LIGHT rent protective device		& POV use (S					No of phases:		1 0 A	Nom		230 v
for the o	distribution circuit: BS(EN): BS(EN):	JU I	,	/A	-110103	cuj		vating: No of poles:		I/A	Volta Ratir		V/A mA
).17	Ω lpf:		kA	RCD times	opera	•		A ms	At 5	3	V/A ms

		SULTS pard design	ation:		LIGI	HTING	& POW	/ER DB		Loc	ation: GRO	UND FL	OOR HA	LLWAY
		Circuit imp	edances	s (Ohms)			nsulation d lower c				Maximum measured	RC	D Operat times	ing
Circuit number	Ring t	final circuits ured end to	s only o end)	All cir (one co be com	lumn to	Line/ Line	Line/ Neutral	Line/ Earth	Neutral/ Earth	Polarity	earth fault loop impedance Zs	At In	At 5 In	Test button operation
Circuit	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	ΜΩ	ΜΩ	ΜΩ	V	Ω	ms	ms	Test
1	N/A	N/A	N/A	0.28	N/A	N/A	LIM	> 200	> 200	~	0.45	N/A	N/A	N/A
2	N/A	N/A	N/A	1.00	N/A	N/A	LIM	> 200	> 200	~	1.17	51	17	~
3	N/A	N/A	N/A	0.47	N/A	N/A	LIM	> 200	> 200	~	0.53	61	17	~
4	0.92	0.54	0.78	0.46	N/A	N/A	LIM	> 200	> 200	~	0.52	85	27	~
5	0.90	0.84	1.47	0.54	N/A	N/A	LIM	> 200	> 200	~	0.71	N/A	N/A	N/A
6	N/A	N/A	N/A	0.13	N/A	N/A	LIM	> 200	> 200	~	0.30	N/A	N/A	N/A
7	0.46	0.44	0.83	0.30	N/A	N/A	LIM	> 200	> 200	~	0.47	62	17	~
8	N/A	N/A	N/A	0.15	N/A	N/A	LIM	> 200	> 200	~	0.32	71	28	~
9	N/A	N/A	N/A	0.11	N/A	N/A	LIM	> 200	> 200	~	0.28	N/A	N/A	N/A
10	N/A	N/A	N/A	0.90	N/A	N/A	LIM	55	55	~	1.03	N/A	N/A	N/A
11	N/A	N/A	N/A	0.62	N/A	N/A	LIM	7	7	~	0.79	N/A	N/A	N/A
12	N/A	N/A	N/A	1.62	N/A	N/A	LIM	25	25	~	1.79	59	28	~
13	N/A	N/A	N/A	1.31	N/A	N/A	LIM	> 200	> 200	~	1.48	N/A	N/A	N/A
14	N/A	N/A	N/A	0.74	N/A	N/A	LIM	> 200	> 200	~	0.91	N/A	N/A	N/A
15	N/A	N/A	N/A	0.07	N/A	N/A	LIM	> 200	> 200	~	0.24	N/A	N/A	N/A
16	N/A	N/A	N/A	0.35	N/A	N/A	LIM	> 200	> 200	~	0.52	61	10	~
17	N/A	N/A	N/A	0.25	N/A	N/A	LIM	> 200	> 200	~	0.42	78	28	~
18	N/A	N/A	N/A	0.44	N/A	N/A	LIM	> 200	> 200	~	0.61	68	11	✓
]							
				<u></u>									<u> </u>	

DETAILS OF TEST INSTRUMENTS

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

Multi-functional:9370084Earth electrode resistance:N/AInsulation resistance:9370084Earth fault loop impedance:9370084Continuity:9370084RCD:9370084

TESTED BY

Name: T SLATTER Position: Electrician Signature: _______ Date: 04/05/2015

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	RCUIT DETAILS														
Distrib	oution board designation:	TOP	FLOOR L	_I GHT	ING &	POW			USE	Location:	С	UTSI	DE CU	PBOA	.RD
					ō		condu	cuit ictors: sa	st time 3S7671	Overcurre de	ent pr		/e	RCD	3S7671
Circuit number	Circuit desigi	nation		Type of wiring	Reference Method	Number of points served	Live	срс	Wax disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	Short-circuit ک Capacity	3 Operating V current	D Maximum Zs permitted by BS7671
1	TOP FLOOR LIGHTING	& POWE	R DB	Н	D/C	1	10	SH	5	3036	N/A	60	4	N/A	1.12
						1		1							
				1		1		1							
Type of	N/A]									
	OARD CHARACTERI	ONNEC	TED	TO TU	E 0.D	ICINI	NE TU	EING	TALLATION						
	ES WHEN THE BOARD o this distribution board i			E HEA					No of phases:		1				
Overcur	rent protective device distribution circuit:	BS(EN):			Fuse F					Rating:		00 A	Nomi Volta		230 v
RCD		BS(EN):			N	/A			1	No of poles:	N	/A	Ratin	g: N	I/A mA
Confirma	ation of supply polarity	✓	Zs: C).15	Ω lpf:	1.6	kA	RCD times	opera s	ting At In:	N/A	A ms	At 5	In:	N/A ms

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		ard design	ation:	TOP F	LOOR L	IGHTING	3 & POWI	ER SWIT	CHFUSE	Loca	ation: O	UTSIDE	CUPBO	ARD
		Circuit imp	edances	(Ohms)			sulation d lower o				Maximum measured	RC	D Operati times	ng
Circuit number	Ring f (meas	inal circuits ured end to	s only o end)	All cir (one co be com	lumn to	Line/ Line	Line/ Neutral		Neutral/ Earth	Polarity	earth fault loop impedance Zs	At In	At 5 In	Test button Operation
Circui	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	MΩ	MΩ	MΩ	·	Ω	ms	ms	Test
1	N/A	N/A	N/A	0.15	N/A	N/A	LIM	20	20	✓	0.20	N/A	N/A	N/A
									1					
]
	DETAILS OF TEST INSTRU													
	Details of Test Instruments used ulti-functional:				rial and. 70084	or asset			e resista	nce.		N/A		
Insulatio		ance:			70084				p impeda			937008	4	
Continui	ty:				70084		RCD:					937008		

	Name:	T SLATTER	Position:	Electrician	Signature:	-T. Satte	Date:	04/05/2015
T	nis form i	s based on the model show	n in Appen	dix 6 of BS 7671:2008 ar	mended 2011.	Ref: ES-B72010S	WR01	Page: 19 of 21

TESTED BY

CIRCUIT DETAILS Distribution board designation: TOP FLOOR LIGHTING & POWER DB Location: TOP FLOOR LOBBY														
Distrib	oution board designation:	TOP FI	LOOR LI						Location: TOP			FLOOR LOBBY		
				pou		conductors:		ect time BS767	Overcurrent protection devices				RCD	BS767
Circuit number	Circuit designation		Type of wiring	Reference Method	Number of points served	Live mm ²	cpc mm ²	ω Max disconnect time permitted by BS7671	BS(EN)	Type No	V Rating	y Short-circuit Y Capacity	y Operating Very current	B Maximum Zs Permitted by BS7671
1	SOCKETS BED/LOUNGE/STAIRS			Α	16	2.5	1.5	0.4	60898	В	20	10	N/A	2.30
2	CENTRAL HEATING SPUR			Α	2	2.5	1.5	0.4	60898	В	16	10	N/A	2.87
3	TOP FLOOR LIGHTS/EMG LIGHTS			Α	14	1.5	1.0	0.4	60898	В	6	10	N/A	7.67
4	KITCHEN SOCKETS/FAN			Α	6	2.5	1.5	0.4	60898	В	32	10	N/A	1.44
5	COOKER			Α	1	6	2.5	0.4	60898	В	32	10	N/A	1.44
6	FIRE PROTECTION SYSTEM			С	2	1.5	1.5	0.4	60898	В	6	10	N/A	7.67
7	SPARE		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type of Wiring O-Other: FP200														
ВС	OARD CHARACTERI	STICS												
	IES WHEN THE BOARD to this distribution board i		NECTED OP FLOOR LI					_	STALLATION No of phases:		1			
Overcur	rent protective device distribution circuit:	BS(EN):	3036 F	use (S	emi-l	Enclos				60 A		Nom Volta		230 v
RCD	astribution circuit.	BS(EN):		N	I/A			No of poles:				_		N/A mA
Confirm	ation of supply polarity	✓ Zs	s: 0.20	0.20 Ω lpf: 1		2 kA RCD c			operating At In:		A ms	At 5ln:		N/A ms

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		SULTS pard design	ation:	TOF	P FLOO	R LIGH	HTING 8	§ POW	ER DB	Loc	ation:	ΓOP FLO	OOR LOE	BBY
		Circuit imp	edances	s (Ohms)		Insulation resistance (record lower or lowest value)					Maximum measured	RCD Operating times		
Circuit number	Ring final circuits only (measured end to end)		All circuits (one column to be completed)		Line/ Line		Line/ Neutra	Neutral/ Earth	Polarity	earth fault loop impedance Zs	At In	At 5 In	Test button operation	
Circuit	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	ΜΩ	ΜΩ	MΩ	ΜΩ	V	Ω	ms	ms	Test
1	N/A	N/A	N/A	N/A	0.28	N/A	LIM	> 200	> 200	✓	0.68	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	0.03	N/A	LIM	> 200	> 200	~	0.26	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	0.59	N/A	LIM	> 200	> 200	~	0.94	N/A	N/A	N/A
4	0.27	0.28	0.49	N/A	0.13	N/A	LIM	> 200	> 200	~	0.42	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	0.07	N/A	LIM	> 200	> 200	'	0.29	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	0.02	N/A	LIM	> 200	> 200	~	0.22	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DE	TAILS	OF TES	TINS	TRUM	ENTS									

Details of Test Instruments used (state serial and/or asset numbers): Multi-functional: 9370084 Earth electrode resistance: N/A Insulation resistance: 9370084 Earth fault loop impedance: 9370084 Continuity: 9370084 RCD: 9370084

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