ELECTRICAL INSTALLATION CONDITION REPORT

APPROVED CONTRACTOR

Client:	CRISIS UK
Address:	66 Commerical Street London E1 6LT

Purpose for which this report is required: Electrical Installation Condition Report

Dates(s) on which inspection and testing were carried out: 31/01/2016

Installation:	Crisis Uk (Newcastle)	Description of premises:	Commercial	Estimated age of wiring system:	26 years
Occupier:	Crisis Uk				
Address:	City House 1 City Road Newcastle upon Tyne NE1 2AF	Evidence of alterations or additions:	✓	If yes, estimated Age	5 years
		Records of installaton available:	×	Date of previous inspection:	
Records held by:	NOT KNOWN	Previous Certificate or Report No:	NOT KNOWN		

Extent of electrical installation covered by this report:

INSTALLATION AS LISTED ON PAGES 7 TO 26

Agreed limitations including the reasons, (see Regulation 634.2):

20% visual per circuit accessories removed. Cables in voids/ceilings or fabric of the building not inspected

Agreed with:

CLIENT

Operational Limitations including the reasons (See page No N/A)

N/A

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2008 (IET Wiring Regulations) as amended to July 2015

It should be noted that 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. An inspection should be made within an accessible roof space housing other electrical equipment.

General condition of the installations (in terms of electrical safety):

UNSATISFACTORY

Overall assessment of the installation in terms of its suitability for continued use UNSATISFACTORY

An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that 'Further Investigation' without delay (FI) is required.

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the *Extent and Limitations of the Inspection and testing* section

No remedial action is required N/A The following observations are made ✓

Item No	Observations	Code
1	Cafe - Kitchen Socket have a lot of loading >32a potentially	C2
2	Cafe - Coffee machine plugged into extension along with other high amp appliances	C3
3	Cafe - Accessories from pre refit could be blanked off so not to look like a current position	C3
4	Cafe - Socket within 400mm of sink	C2
5	Cafe - Grill is too close to sink, needs resiting (Plug in so just moving to a different outlet)	C2
6	Cafe - Aircon could not be located	C3
7	Cafe - Hob/oven & grill rely on conduit for CPC	N/A
8	Cafe - Circuit 7L2 requires RCD	C2
9	3rd Floor - Open circuit R1 1L1 Right Hand Office	C1
10	3rd Floor - Open circuit R1 5L1 Right Hand Office	C1
11	3rd Floor - No grommits in 600 x 600 fittings	C3
12	3rd Floor - Kitchen has 3 microwaves plugged into 13a 4 way extension	C3
13	3rd Floor - Corner pieces missing from YT2 x 2 external 90degree	C3
14	3rd Floor - Circuits 1L1, 1L2, 1L3, 5L1, 5L2 & 5L3 require RCD's	C2
15	2nd Floor - 1L3 MCB not compatable with DB	C3
16	2nd Floor - Hole with no grommit in DB	C3
17	2nd Floor - Redundant circuits in boiler DB	C3
18	2nd Floor - Fittings in ensuite ceiling suseptable to falling out due to damaged ceiling	C2
19	2nd Floor - Staff attack PSU fed from flex hooked around server room and plugged in	C3
20	2nd Floor - Cracked emergency lighting keyswitch in hallway, no exposed parts	C2
21	2nd Floor - circuits 3L1, 3L3, 4L2, 5L2 require RCD	C2
22	1st Floor - RCD Test failed for 5L2	C2
23	1st Floor - Circuit 5L2 has a lot of sockets on 1 circuit and spans 8 rooms	C3
24	1st Floor - Exposed busbars in DB due to design of DB	C3
25	1st Floor - Circuits 4L3, 5L1 & 5L2	N/A
26	Ground Floor - MCB's 3L1/2/3 fit poorly in DB	C3
27	Ground Floor - Missing grommits in DB	C3
28	Ground Floor - Redundant cables next to DB	C3
29	Ground Floor - No protection for cables entering DB	C2
30	Ground Floor - Grommits required for DB	C2
31	Ground Floor - IP Rating of DB required blind grommits 1 x 32 1 x 20	C2

Additional pages? No Yes ✓ Specify page No(s) 27

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 - Danger present. Risk of injury. Immediate remedial action required	9,10
C2 - Potentially dangerous - urgent remedial action required	1,4,5,8,14,18,20,21,22,29,30,31,32,34,35,36,37,39,40
FI - Further Investigation Required	N/A
C3 - Improvement recommended	2,3,6,11,12,13,15,16,17,19,23,24,26,27,28,33,38

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 in page 1 (Section C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in Section D of this report.

I/We further declare that in my/our judgment, the overall assessment of the installation in terms of its suitability for continued use is UNSATISFACTORY (see F) at the time the inspection was carried out, and that it should be further inspected as recommended (See I).

Inspected and tested by:		**Report authorised for issue by:**	
Name:	R SELF	Name:	IAN FOULKES
Signature:		Signature:	
Position:	Approved Electrician	Position:	CONTRACT MANAGER
Date:	31/01/2016	Date:	31/01/2016

Schedule of Circuit Details for the Installation:	Page No(s)	7 - 25 Odd
Schedule of Test Results for the Installation:	Page No(s)	8 - 26 Even
Additional pages, including additional supplies:	Page No (s)	27

The identified pages are part of this document and this report is valid only they are attached to it

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I/We recommend that any observations classified as *`Danger present'* (code C1) or *`Potentially dangerous'* (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as *`further investigation required'*.
Observations classified as *`Improvement required'* (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/We recommend that the installation is further inspected and tested in 1 Years
It is recommended that the installation is further inspected for testing by 03/02/2017 or change of tenancy.

Company Name:	MG ELECTRICS		
Address:	5 OLD HALL LANE WORSLEY Manchester M28 2FG	Telephone:	0161 406 6808
		Email Address:	mgelectrics@yahoo.co.uk
		NICEIC Registration Number:	503572
		Branch Number:	000

Earthing Arrangements		Number and Type of Live Conductors						Nature of Supply Parameters			Supply protective device		
TN-C	N/A	a.c.	✓			d.c.	N/A	Nominal voltage, U (1)	400	V	BS(EN)		
TN-S	N/A	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Pole	N/A	Nominal voltage, U_0 (1)	230	V	LIM		
TN-C-S	✓	2-Phase (3 wire)	N/A			3 Pole	N/A	Nominal frequency, f (1)	50	Hz			
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Other	N/A	Prospective fault current, I_{pf} (2)	3.4	kA	Type		
IT	N/A	Other	N/A					External loop impedance, Ze (2)	0.04	Ω	N/A		
								Number of supplies	1		Rated current	LIM	A
		Confirmation of supply polarity	✓					Note: (1) by enquiry (2) by enquiry or by measurement			Short circuit capacity	LIM	kA

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

Main Protective Conductors

Earthing Conductor

Material: Copper csa: 50 mm²

Connection and Continuity Verified: ✓

Main protective bonding conductors

Material: Copper csa: 50 mm²

Connection and Continuity Verified: ✓

Main Switch / Switch Fuse / Circuit Breaker / RCD

Location: BASEMENT

BS(EN): 5419 Isolator No of poles: 4

Supply Conductors material: Copper Supply Conductors csa: 95 mm²

Current rating: 200 A Fuse/Device rating or setting: 200 A Voltage rating: 400 V

RCD main switch (where applicable)

Rated residual operating current, $I_{\Delta n}$: N/A mA Rated time delay: N/A ms RCD Operating time at, $I_{\Delta n}$: N/A ms

Bonding of Incoming Service

Water Installation Pipes	Gas Installation Pipes	Oil Installation Pipes	Structural steel	Lightning protection	Other (Specify)
✓	✓	N/A	N/A	N/A	None

CONDITION REPORT INSPECTION SCHEDULE
FOR PREMISES OVER 100A SUPPLY

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Location Reference
1.0	**Condition/adequacy of distributor's/supply intake equipment**		
1.1	Service cable	✓	N/A
1.2	Service head	C2	Holes in Top
1.3	Distributor's earthing arrangement(s)	✓	N/A
1.4	Meter tails - Distributor/Consumer	✓	N/A
1.5	Metering equipment	✓	N/A
1.6	Means of main isolation (where present)	✓	N/A
2.0	**Presence of adequate arrangements for parallel or switched alternative sources**		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A	N/A
3.0	**Automatic disconnection of supply**		
3.1	Main earthing / bonding arrangements		
	• Presence and condition of distributor's earthing arrangement	✓	N/A
	• Presence and condition of installation earth electrode arrangement	N/A	N/A
	• Adequacy of earthing conductor size	✓	N/A
	• Adequacy of main protective earthing conductor connections	✓	N/A
	• Accessibility of earthing conductor connections	✓	N/A
	• Adequacy of main protective bonding conductor sizes	✓	N/A
	• Adequacy of main protective bonding conductor connections	✓	N/A
	• Accessibility of all protective bonding connections	✓	N/A
	• Accessibility and condition of other protective bonding connections	✓	N/A
	• Provision of earthing/bonding labels at all appropriate locations	✓	N/A
3.2	FELV		
	• Source providing at least simple separation	N/A	N/A
	• Socket-outlets, plugs and the like not interchangeable with those of other systems within the premises	N/A	N/A
3.3	Reduced low voltage		
	• Adequacy of source	N/A	N/A
	• Socket-outlets, plugs and the like not interchangeable with those of other systems within the premises	N/A	N/A
4.0	**Other methods of protection (where any of the methods listed below are employed details should be provided on separate sheets)**		
4.1	Double insulation	✓	N/A
4.2	Reinforced insulation	✓	N/A
4.3	Use of obstacles	N/A	N/A
4.4	Placing out of reach	N/A	N/A
4.5	Non-conducting location	N/A	N/A
4.6	Earth-free local equipotential bonding	N/A	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 to equipment	✓	N/A
5.2	Security of fixing	✓	N/A
5.3	Condition of insulation of live parts	✓	N/A
5.4	Adequacy/security of barriers	✓	N/A
5.5	Condition of enclosure(s) in terms of IP rating etc	C2	N/A
5.6	Condition of enclosure(s) in terms of fire rating etc	✓	N/A
5.7	Enclosure not damaged/deteriorated so as to impair safety	✓	N/A
5.8	Presence of main switch(es), linked where required	✓	N/A
5.9	Operation of main switch(es) (functional check)	✓	N/A
5.10	Correct identification of circuit protective devices	N/A	N/A
5.11	Adequacy of protective devices for prospective fault current	✓	N/A
5.12	RCD(s) provided for fault protection - includes RCBOs	✓	N/A
5.13	RCD(s) provided for additional protection, where applicable - includes RCBOs	✓	N/A

CONDITION REPORT INSPECTION SCHEDULE
FOR PREMISES OVER 100A SUPPLY

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Location Reference
5.14	RCD(s) provided for protection against fire - includes RCBOs	✓	N/A
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	✓	N/A
5.16	Presence of RCD test notice at or near equipment, where required	✓	N/A
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/additional supply arrangements warning notice(s) at or near equipment where required	N/A	N/A
5.20	Presence of replacement next inspection recommendation label	✓	N/A
5.21	Presence of other required labelling	N/A	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)	✓	N/A
5.23	Single-pole switching or protective devices in line conductors only	N/A	N/A
5.24	Protection against mechanical damage where cables enter equipment	✓	N/A
5.25	Protection against electromagnetic effects where cables enter metallic enclosures	✓	N/A
6.0	**Distribution and Final Circuits**		
6.1	Identification of conductors	✓	N/A
6.2	Cables correctly supported throughout their length	✓	N/A
6.3	Condition of insulation of live parts	✓	N/A
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking	✓	N/A
6.5	Suitability of containment systems for continued use (including flexible conduit)	✓	N/A
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	✓	N/A
6.7	Confirmation of indication that SPD(s) are functional	✓	N/A
6.8	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓	N/A
6.9	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration	✓	N/A
6.10	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation	✓	N/A
6.11	Adequacy of protective devices: type and rated current for fault protection	✓	N/A
6.12	Presence and adequacy of circuit protective conductors	✓	N/A
6.13	Co-ordination between conductors and overload protective devices	✓	N/A
6.14	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✓	N/A
6.15	Cables where exposed to direct sunlight, cable of a suitable type	✓	N/A
6.16	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage		
	• Installed in prescribed zones (see Section D. Extent and limitations)	✓	N/A
	• Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations)	C3	N/A
6.17	Provision of additional protection by 30mA RCD		
	• For mobile equipment not exceeding a rating of 32 A for use outdoors	LIM	N/A
	• For all socket-outlets of rating 20 A or less, unless exempt	LIM	N/A
	• For cables installed in walls / partitions at a depth of less than 50mm	LIM	N/A
	• For cables installed in walls / partitions containing metal parts regardless of depth	LIM	N/A
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	LIM	N/A
6.19	Band II cables segregated/separated from Band I cables	✓	N/A
6.20	Cables segregated/separated from non-electrical services	LIM	N/A
6.21	Termination of cables at enclosures - identify/record numbers and locations of items inspected in Section D		
	• Connections under no undue strain	✓	N/A
	• No basic insulation of a conductor visible outside enclosure	✓	N/A
	• Connections of live conductors adequately enclosed	✓	N/A
	• Adequately connected at point of entry to enclosure (glands, brushes etc)	✓	N/A
6.22	General condition of wiring systems	✓	N/A
6.23	Temperature rating of cable insulation	✓	N/A
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✓	N/A
6.25	Suitability of accessories for external influences	✓	N/A
6.26	Single-pole switching or protective devices in line conductors only	✓	N/A

CONDITION REPORT INSPECTION SCHEDULE
FOR PREMISES OVER 100A SUPPLY

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Location Reference
6.27	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected	✓	N/A
7.0	**Isolation and switching**		
7.1	Isolators		
	• Presence and condition of appropriate devices	✓	N/A
	• Acceptable location (state if local or remote)	✓	N/A
	• Capable of being secured in the OFF position	✓	N/A
	• Correct operation verified	✓	N/A
	• Clearly identified by position and/or durable marking	✓	N/A
	• 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	✓	N/A
	• Acceptable location	✓	N/A
	• Capable of being secured in the OFF position	✓	N/A
	• Correct operation verified	✓	N/A
	• Clearly identified by position and/or durable marking(s)	✓	N/A
7.3	Emergency switching/stopping		
	• Presence and condition of appropriate devices	✓	N/A
	• Readily accessible for operation where danger might occur	✓	N/A
	• Correct operation verified	✓	N/A
	• Clearly identified by position and/or durable marking	✓	N/A
7.4	Functional switching		
	• Presence and condition of appropriate devices	✓	N/A
	• Correct operation verified	✓	N/A
8.0	**Current-using equipment (permanently connected)**		
8.1	Condition of equipment in terms of IP rating etc	✓	N/A
8.2	Equipment does not constitute a fire hazard	✓	N/A
8.3	Enclosure not damaged/deteriorated so as to impair safety	✓	N/A
8.4	Suitability for the environment and external influences	✓	N/A
8.5	Security of fixing	C2	N/A
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected in Section D of this report	✓	N/A
8.7	Recessed luminaires (downlighters)		
	• Correct type of lamps fitted	✓	N/A
	• Installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar	C3	N/A
	• No signs of overheating to surrounding building fabric	✓	N/A
	• No signs of overheating to conductors/terminations	✓	N/A
9.0	**Location(s) containing a bath or shower**		
9.1	Additional protection by RCD not exceeding 30 mA		
	• For low voltage circuits serving the location	C3	N/A
	• For low voltage circuits passing through Zone 1 and Zone 2 not serving the location	C3	N/A
9.2	Where used as a protective measure, requirements for SELV or PELV met	LIM	N/A
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A	N/A
9.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008	✓	N/A
9.5	Low voltage (e.g. 230 volt) socket-outlets sites 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	✓	N/A
9.7	Suitability of equipment for installation in a particular zone	✓	N/A
9.8	Suitability of current-using equipment for particular position within the location	✓	N/A
10.0	**Other Special Installations or locations**		
	List special locations present, if any. List the results of particular inspections applied. (a separate page is required for each location)	N/A	N/A

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	BASEMENT	Supply to distribution board is from	N/A	Associated RCD (if any)	
		No of phases	N/A	Nominal Voltage	N/A V
Distribution board designation	SECTION DB DB1	Overcurrent protective device for the distribution circuit		BS(EN)	N/A
		Type BS(EN)	N/A	Rating	N/A A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/TP	Sub Mains(BASEMENT DB2)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35
2/TP	Sub Mains(Ground Floor DB1)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35
3/TP	Sub Mains(1ST FLOOR DB2)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35
4/TP	Sub Mains(2ND FLOOR DB3)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35
5/TP	Sub Mains(3rd Floor DB4)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35
6/TP	Sub Mains(CAFE DB)	F	C	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.35

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: N/A Ω I_{pf} at DB: N/A kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/TP	N/A	N/A	N/A	0.02	N/A	200	200	200	200	✓	0.12	N/A	N/A	N/A	
2/TP	N/A	N/A	N/A	0.04	N/A	200	200	200	200	✓	0.15	N/A	N/A	N/A	
3/TP	N/A	N/A	N/A	0.09	N/A	200	200	200	200	✓	0.18	N/A	N/A	N/A	
4/TP	N/A	N/A	N/A	0.11	N/A	200	200	200	200	✓	0.19	N/A	N/A	N/A	
5/TP	N/A	N/A	N/A	0.20	N/A	200	200	200	200	✓	0.34	N/A	N/A	N/A	
6/TP	N/A	N/A	N/A	0.15	N/A	200	200	200	200	✓	0.29	N/A	N/A	N/A	

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	BASEMENT	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 1/TP)			Associated RCD (if any)	
Distribution board designation	BASEMENT DB2	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, $I\Delta n$ (mA)	
1/L1	Bike & Elec Rm Lts	D	C	14	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
1/L2	Woodwork Shop Lights	D	C	12	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
1/L3	Store Room Lights	D	C	8	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
2/L1	Lights Lift Lobby	D	C	6	1.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
2/L2	Store Room Sockets	D	C	4	2.5	2.5	0.4	60898 MCB	B	32	10	N/A	1.37
2/L3	Woodwork Shop Sockets	D	C	7	2.5	2.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L1	Bike Repair Sockets	D	C	7	2.5	2.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L2	Woodwork Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L3	Bike Repair Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L1	Woodwork Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L2	Bike Repair Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L3	Bike Repair Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L1	Water Heater	D	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L2	Sub Mains(BOILER DB)	D	C	1	6	4	0.4	60898 MCB	C	32	10	N/A	0.68
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Tube Heaters	D	C	3	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
6/L2	Lights Stairs & Passage	D	C	18	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	Sub Mains()	F	C	1	6	6	0.4	60898 MCB	C	32	10	N/A	0.68
8/TP	Roller Shutter Bike Repair	D	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
9/TP	Roller Door Wood Shop	D	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
10/TP	Compressor	D	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
11/L1	Circuit Not Tested												
11/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.12 Ω I_{pf} at DB: 1.9 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L1	N/A	N/A	N/A	0.88	N/A		200	200	200	✓	0.98	N/A	N/A	N/A	
1/L2	N/A	N/A	N/A	0.70	N/A		200	200	200	✓	0.81	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	1.00	N/A		200	200	200	✓	1.16	N/A	N/A	N/A	
2/L1	N/A	N/A	N/A	0.75	N/A		200	200	200	✓	0.89	N/A	N/A	N/A	
2/L2	0.24	0.25	0.31	0.09	N/A		200	200	200	✓	0.21	N/A	N/A	N/A	
2/L3	0.41	0.42	0.40	0.20	N/A		200	200	200	✓	0.32	39	9	✓	
3/L1	0.58	0.58	0.51	0.27	N/A		200	200	200	✓	0.41	56	19	✓	
3/L2	N/A	N/A	N/A	0.17	N/A		200	200	200	✓	0.25	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.24	N/A		200	200	200	✓	0.36	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	0.33	N/A		200	200	200	✓	0.45	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	0.36	N/A		200	200	200	✓	0.48	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.24	N/A		200	200	200	✓	0.31	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.30	N/A		200	200	200	✓	0.50	N/A	N/A	N/A	
5/L2	N/A	N/A	N/A	0.12	N/A		200	200	200	✓	0.25	N/A	N/A	N/A	
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.68	N/A		200	200	200	✓	0.79	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	0.65	N/A		200	200	200	✓	0.75	N/A	N/A	N/A	
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	N/A	N/A	N/A	0.25	N/A	N/A	200	200	200	✓	0.37	N/A	N/A	N/A	
8/TP	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.78	N/A	N/A	N/A	
9/TP	N/A	N/A	N/A	1.05	N/A	N/A	200	200	200	✓	1.15	N/A	N/A	N/A	
10/TP	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.78	N/A	N/A	N/A	
11/L1															
11/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	BASEMENT	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 1/TP)	Associated RCD (if any)	
Distribution board designation	BASEMENT DB2	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
11/L3	Shower Lights	A	C	2	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
12/L1	Water Heater SR	A	C	2	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
12/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.12 Ω — I_{pf} at DB: 1.9 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms — At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ — Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
11/L3	N/A	N/A	N/A	0.24	N/A		200	200	200	✓	0.36	N/A	N/A	N/A	
12/L1	N/A	N/A	N/A	0.25	N/A		200	200	200	✓	0.37	N/A	N/A	N/A	
12/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF — Signature:  — Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	STAIRWAY	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 2/TP)			Associated RCD (if any)	
Distribution board designation	Ground Floor DB1	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L1	Gallery Mut Lights	A	C	12	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
1/L2	Reception WC Lights	A	C	19	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
1/L3	Alt Exit Lights	A	C	4	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	Stair Lights	A	C	20	1	1	0.4	60898 MCB	C	16	6	N/A	1.37
3/L1	Sockets	A	C	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
3/L2	Male WC Heater (Cafe)	A	C	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
3/L3	Female WC Heater (Cafe)	A	C	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
4/L1	Disabled Hand Dryer	A	C	1	4	2.5	0.4	60898 MCB	C	10	6	N/A	2.19
4/L2	Gallery Muti Sockets	A	C	11	4	2.5	0.4	60898 MCB	C	32	6	N/A	0.68
4/L3	Reception Sockets	A	C	4	2.5	1.5	0.4	60898 MCB	C	32	6	N/A	0.68
5/L1	Wheelchair Lift	A	C	1	4	2.5	0.4	60898 MCB	C	16	6	N/A	1.37
5/L2	Circuit Not Tested												
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.15 Ω I_{pf} at DB: 1.60 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L1	N/A	N/A	N/A	2.20	N/A		200	200	200	✓	2.40	N/A	N/A	N/A	
1/L2	N/A	N/A	N/A	1.03	N/A		200	200	200	✓	1.20	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	0.55	N/A		200	200	200	✓	0.70	N/A	N/A	N/A	
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	N/A	N/A	N/A	0.81	N/A		200	200	200	✓	1.15	N/A	N/A	N/A	
3/L1	N/A	N/A	N/A	0.14	N/A		200	200	200	✓	0.28	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.28	N/A		200	200	200	✓	0.42	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.33	N/A		200	200	200	✓	0.52	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	0.27	N/A		200	200	200	✓	0.31	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	0.41	N/A		200	200	200	✓	0.54	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.35	N/A		200	200	200	✓	0.49	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.18	N/A		200	200	200	✓	0.31	N/A	N/A	N/A	
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	1ST FLOOR	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 3/TP)			Associated RCD (if any)	
Distribution board designation	1ST FLOOR DB2	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L1	Wall Heater	A	C	1	2.5	1.5	0.4	60898 MCB	C	10	6	N/A	2.19
1/L2	Wall Heater	A	C	1	2.5	1.5	0.4	60898 MCB	C	10	6	N/A	2.19
1/L3	Male/Female WC Lights	A	C	10	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
2/L1	Mut 2 Staff Room Passage Lts	A	C	20	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
2/L2	MUT 3 Lights	A	C	15	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
2/L3	ICT Lights	A	C	7	1.5	1	0.4	60898 MCB	C	10	6	N/A	2.19
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	Immersion Heater	A	C	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
4/L2	Data CAB	A	C	10	6	4	0.4	60898 MCB	C	32	6	N/A	0.68
4/L3	ICT Sockets	A	C	20	2.5	1.5	0.4	60898 MCB	C	32	6	N/A	0.68
5/L1	MUT 2 Sockets	A	C	12	2.5	1.5	0.4	60898 MCB	C	32	6	N/A	0.68
5/L2	MUT 3 Sockets & Staff Basement	A	C	35	4	2.5	0.4	60898 MCB	C	32	6	N/A	0.68
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.18 Ω — I_{pf} at DB: 1.30 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms — At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ — Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L1	N/A	N/A	N/A	0.10	N/A		200	200	200	✓	0.39	N/A	N/A	N/A	
1/L2	N/A	N/A	N/A	0.11	N/A		200	200	200	✓	0.38	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	0.23	N/A		200	200	200	✓	0.50	N/A	N/A	N/A	
2/L1	N/A	N/A	N/A	1.92	N/A		200	200	200	✓	2.26	N/A	N/A	N/A	
2/L2	N/A	N/A	N/A	1.72	N/A		200	200	200	✓	1.91	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.72	N/A		200	200	200	✓	0.99	N/A	N/A	N/A	
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	N/A	N/A	N/A	0.08	N/A		200	200	200	✓	0.27	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	0.28	N/A		200	200	200	✓	0.47	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.44	N/A		200	200	200	✓	0.61	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.33	N/A		200	200	200	✓	0.51	N/A	N/A	N/A	
5/L2	N/A	N/A	N/A	0.59	N/A		200	200	200	✓	0.78	N/A	N/A	N/A	
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF — Signature:  — Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	2ND FLOOR TOILET	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 4/TP)			Associated RCD (if any)	
Distribution board designation	2ND FLOOR DB3	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L1	Circuit Not Tested	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	16	6	30	2.73
1/L2	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Sub Mains(2ND BOILER DB)	A	C	1	6	4	0.4	60898 MCB	B	40	6	N/A	1.09
2/L1	Office 3 Lights	A	C	7	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
2/L2	Lobby/Toilet/Hall/Kitchen Lts	A	C	13	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
2/L3	Office 4,5,6,7 Lights	A	C	13	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
3/L1	Office 3-7 Passage Sockets	A	C	13	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
3/L2	Oven	A	C	1	6	4	0.4	60898 MCB	B	32	6	N/A	1.37
3/L3	Office 1,2,meeting,Recep Skts	A	C	14	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
4/L1	Passage Lights	A	C	10	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
4/L2	Kitchen Data Room Sockets	A	C	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
4/L3	Dishwasher	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
5/L1	Hob	A	C	1	6	4	0.4	60898 MCB	B	32	6	N/A	1.37
5/L2	Sockets Lift Lobby	A	C	1	2.5	1.5	0.4	60898 MCB	B	10	6	N/A	4.37
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Data Cab Sockets	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	6	N/A	2.73
6/L2	Office 1,2,recep,Meet Lights	A	C	12	1	1	0.4	60898 MCB	B	10	6	N/A	4.37
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.19 Ω I_{pf} at DB: 1.20 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L1															
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1/L3	N/A	N/A	N/A	0.25	N/A		200	200	200	✓	0.43	N/A	N/A	N/A	
2/L1	N/A	N/A	N/A	0.48	N/A		200	200	200	✓	0.67	N/A	N/A	N/A	
2/L2	N/A	N/A	N/A	0.50	N/A		200	200	200	✓	0.69	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.77	N/A		200	200	200	✓	0.96	N/A	N/A	N/A	
3/L1	0.80	0.78	1.01	0.48	N/A		200	200	200	✓	0.66	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.04	N/A		200	200	200	✓	0.22	N/A	N/A	N/A	
3/L3	1.01	1.04	1.19	0.47	N/A		200	200	200	✓	0.68	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	1.09	N/A		200	200	200	✓	1.34	N/A	N/A	N/A	
4/L2	1.30	1.38	1.51	0.43	N/A		200	200	200	✓	0.62	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.25	N/A		200	200	200	✓	0.45	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.05	N/A		200	200	200	✓	0.25	N/A	N/A	N/A	
5/L2	N/A	N/A	N/A	0.26	N/A		200	200	200	✓	0.46	N/A	N/A	N/A	
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.47	N/A		200	200	200	✓	0.66	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	1.66	N/A		200	200	200	✓	1.82	N/A	N/A	N/A	
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	3rd FLOOR LANDING	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 5/TP)			Associated RCD (if any)	
Distribution board designation	3rd Floor DB4	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L1	R/h Office Sockets	A	C	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
1/L2	L/h Office Sockets	A	C	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
1/L3	Boardroom Sockets	A	C	11	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
2/L1	R/h Office Lights	A	C	9	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
2/L2	L/h Office Lights	A	C	9	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
2/L3	Boardroom Lights	A	C	4	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
3/L1	Ladies Hand Dryer	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
3/L2	L/h Office AC	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
3/L3	Water Heater	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
4/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	R/h Office Sockets	A	C	9	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5/L2	L/h Office Sockets	A	C	7	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
5/L3	Kitchen/Lobby Sockets	A	C	5	2.5	1.5	0.4	60898 MCB	B	32	6	N/A	1.37
6/L1	R/h Office Lights	A	C	13	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
6/L2	L/h Office Lights	A	C	8	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
6/L3	Kitchen/Lobby WC Lights	A	C	16	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
7/L1	R/h Office AC	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
7/L2	Gents Hand Dryer	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
7/L3	Water Heater	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	6	N/A	2.19
8/L1	Stair Lights	A	C	22	1.5	1	0.4	60898 MCB	B	10	6	N/A	4.37
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.34 Ω I_{pf} at DB: 0.70 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L1	>1999	1.20	0.67	X	N/A		200	200	200	✓	0.79	N/A	N/A	N/A	
1/L2	0.32	0.33	0.45	0.08	N/A		200	200	200	✓	0.38	N/A	N/A	N/A	
1/L3	0.37	0.42	0.47	0.21	N/A		200	200	200	✓	0.58	N/A	N/A	N/A	
2/L1	N/A	N/A	N/A	1.09	N/A		200	200	200	✓	1.42	N/A	N/A	N/A	
2/L2	N/A	N/A	N/A	0.69	N/A		200	200	200	✓	0.87	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.19	N/A		200	200	200	✓	0.51	N/A	N/A	N/A	
3/L1	N/A	N/A	N/A	0.12	N/A		200	200	200	✓	0.46	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.66	N/A		200	200	200	✓	0.94	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.19	N/A		200	200	200	✓	0.53	N/A	N/A	N/A	
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	>1999	>1999	>1999	X	N/A		200	200	200	✓	0.87	N/A	N/A	N/A	
5/L2	0.61	0.67	0.78	0.35	N/A		200	200	200	✓	0.66	N/A	N/A	N/A	
5/L3	0.29	0.29	0.40	0.17	N/A		200	200	200	✓	0.57	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	0.89	N/A		200	200	200	✓	1.22	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	1.12	N/A		200	200	200	✓	1.46	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	0.55	N/A		200	200	200	✓	0.89	N/A	N/A	N/A	
7/L1	N/A	N/A	N/A	0.71	N/A		200	200	200	✓	1.00	N/A	N/A	N/A	
7/L2	N/A	N/A	N/A	0.13	N/A		200	200	200	✓	0.47	N/A	N/A	N/A	
7/L3	N/A	N/A	N/A	0.07	N/A		200	200	200	✓	0.41	N/A	N/A	N/A	
8/L1	N/A	N/A	N/A	2.01	N/A		200	200	200	✓	2.33	N/A	N/A	N/A	
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	CAFE	Supply to distribution board is from	Sub Mains(SECTION DB DB1, 6/TP)			Associated RCD (if any)	
Distribution board designation	CAFE DB	No of phases	3	Nominal Voltage	400 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A
		Type BS(EN)	60898 MCB C	Rating	63 A	RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, $I\Delta n$ (mA)	
1/TP	Hob	C	C	1	6	6	0.4	60898 MCB	C	32	10	N/A	0.68
2/TP	Oven	C	C	1	6	6	0.4	60898 MCB	C	32	10	N/A	0.68
3/TP	Griddle	C	C	1	6	6	0.4	60898 MCB	C	16	10	N/A	1.37
4/L1	Kitchen Sockets	A	C	11	4	2.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
4/L2	Coffee Machine	A	C	1	2.5	2.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L3	Water Boiler	A	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Extract Fan	A	C	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
5/L3	Entrance Lights	A	C	4	1	1	0.4	60898 MCB	B	6	10	N/A	7.28
6/L1	Servery Lights	A	C	5	1	1	0.4	60898 MCB	C	6	10	N/A	3.64
6/L2	Kitchen Toilet Lights	A	C	10	1	1	0.4	60898 MCB	C	6	10	N/A	3.64
6/L3	Cafe Row Lights	A	C	4	1	1	0.4	60898 MCB	C	6	10	N/A	3.64
7/L1	Cafe Spots	A	C	6	1	1	0.4	60898 MCB	C	6	10	N/A	3.64
7/L2	Servery Sockets	A	C	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L3	Circuit Not Tested												
8/TP	Dishwasher	A	C	1	4	4	0.4	60898 MCB	C	32	10	N/A	0.68

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.17 Ω I_{pf} at DB: 1.20 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/TP	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	✓	0.29	N/A	N/A	N/A	
2/TP	N/A	N/A	N/A	0.04	N/A	N/A	200	200	200	✓	0.28	N/A	N/A	N/A	
3/TP	N/A	N/A	N/A	0.10	N/A	N/A	200	200	200	✓	0.34	N/A	N/A	N/A	
4/L1	0.31	0.34	0.41	0.18	N/A		200	200	200	✓	0.68	58	25	✓	
4/L2	N/A	N/A	N/A	0.61	N/A		200	200	200	✓	0.70	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.41	N/A		200	200	200	✓	0.61	N/A	N/A	N/A	
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	N/A	N/A	N/A	0.02	N/A		200	200	200	✓	0.26	N/A	N/A	N/A	
5/L3	N/A	N/A	N/A	1.20	N/A		200	200	200	✓	1.43	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	0.91	N/A		200	200	200	✓	1.01	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	1.01	N/A		200	200	200	✓	1.17	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	0.96	N/A		200	200	200	✓	1.14	N/A	N/A	N/A	
7/L1	N/A	N/A	N/A	0.99	N/A		200	200	200	✓	1.16	N/A	N/A	N/A	
7/L2	0.58	0.59	0.70	0.32	N/A		200	200	200	✓	0.60	175	57	✓	
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	✓	0.20	N/A	N/A	N/A	

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	BOILER ROOM	Supply to distribution board is from	Sub Mains(BASEMENT DB2, 5/L2)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage	230 V
Distribution board designation	BOILER DB	Overcurrent protective device for the distribution circuit		BS(EN)	N/A
		Type BS(EN)	60898 MCB C	Rating	32 A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L2	Lights	D	C	1	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L2	Sockets	D	C	1	4	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L2	Panel	D	C	1	4	2.5	0.4	60898 MCB	B	32	10	N/A	1.37
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.25 Ω I_{pf} at DB: 0.9 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L2	N/A	N/A	N/A	0.18	N/A		200	200	200	✓	0.41	N/A	N/A	N/A	
2/L2	N/A	N/A	N/A	0.05	N/A		200	200	200	✓	0.30	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.06	N/A		200	200	200	✓	0.30	N/A	N/A	N/A	
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name: R SELF Signature:  Date: 31/01/2016

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	STORE ROOM 2ND FLOOR	Supply to distribution board is from	Sub Mains(2ND FLOOR DB3, 1/L3)	Associated RCD (if any)	
Distribution board designation	2ND BOILER DB	No of phases	1	Nominal Voltage	230 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
		Type BS(EN)	60898 MCB B	Rating	40 A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times by BS 7671 (s)	Overcurrent protective device				RCD	Maximum Zs permitted by BS 7671 (Ω)
					Live (mm^2)	cpc (mm^2)		BS(EN)	Type	Rating (A)	Breaking Capacity (kA)	Operating current, IΔ n (mA)	
1/L3	SPUR	A	E	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
2/L3	SPUR	A	E	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
3/L3	SPUR	A	E	1	2.5	1.5	0.4	60898 MCB	C	16	6	N/A	1.37
4/L3	Light	A	E	1	1.5	1	0.4	60898 MCB	C	6	6	N/A	3.64

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	Mineral insulated cables	

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Zs at DB: 0.43 Ω I_{pf} at DB: 0.5 kA

Operating times of associated RCD (if applicable): At IΔn: N/A ms At 5IΔn: N/A ms

Correct supply polarity confirmed: ✓ Phase sequence confirmed (where appropriate): ✓

TEST INSTRUMENTS USED (SERIAL NUMBERS)

Continuity	14113019	RCD	14113019
Insulation resistance	14113019	Earth Electrode Resistance	N/A
Earth fault loop impedance	14113019	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Zs Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Line/ Line (MΩ)	Line/ Neutral (MΩ)	Line/ Earth (MΩ)	Neutral/ Earth (MΩ)			@ IΔn (ms)	@ 5IΔn (ms)	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2										
1/L3	N/A	N/A	N/A	0.08	N/A		200	200	200	✓	0.51	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.10	N/A		200	200	200	✓	0.52	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.08	N/A		200	200	200	✓	0.55	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.41	N/A		200	200	200	✓	0.81	N/A	N/A	N/A	

Name: R SELF Signature:  Date: 31/01/2016

Item No	Observations	Code
32	Ground Floor - 4L2 & 3 RCBO's required	C2
33	Basement - Evidence of water damage to socket in bike repair	C3
34	Basement - Extention lead to run fridges trapped in door	C2
35	Basement - 2 Holes in DB which allow a BS Finger	C2
36	Basement - 4 Holes in meter housing large enough for finger/Debris	C2
37	Basement - Tubular heater lay on floor	C2
38	Basement - Grommits and glands missing in various areas	C3
39	Basement - Extention lead flex trailing on floor	C2
40	Basement - 11L3 lighting circuit requires RCBO	C2

Code Key

C1 - Danger present. Risk of injury. Immediate remedial action required

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

FI - Further investigation required without delay