



Client: <input type="text" value="St Andrews Place Management Ltd"/>	Purpose of this report: <input type="text" value="Lapse of time"/>
Address: <input type="text" value="St Andrews Place"/> <input type="text" value="Rodney Street"/> <input type="text" value="Liverpool"/> <input type="text" value="Merseyside"/> <input type="text" value="L7 9ED"/>	Date(s) on which Inspection: and testing was carried out: <input type="text" value="25/05/2016"/>

Installation: <input type="text" value="St Andrews Place"/>	Description of premises: Domestic <input type="text" value="N/A"/> Commercial <input checked="" type="checkbox"/> Industrial <input type="text" value="N/A"/>
Occupier: <input type="text" value="St Andrews Management Staff"/>	Other: <input type="text" value="N/A"/>
Address: <input type="text" value="Rodney Street"/> <input type="text" value="Liverpool"/> <input type="text" value="Merseyside"/> <input type="text" value="L1 9ED"/>	Estimated age of wiring system: <input type="text" value="5"/> yrs
Record of Installation available: <input type="text" value="N/A"/> Records held By: <input type="text" value="N/A"/>	Evidence of alterations or additions: <input checked="" type="checkbox"/> If yes estimated Age: <input type="text" value="2"/> yrs
	Date of previous inspection: <input type="text" value="25/02/2015"/>

Extent of Electrical Installation covered by this report: <input type="text" value="All circuits detailed in this reported, excluding those listed --See Additional Page--"/>	Agreed limitations including the reasons (See regulation 634.2) <input type="text" value="None inspection or test of lift circuit or equipment. The main --See Additional Page--"/>
Operational Limitations including the reasons (See page No <input type="text" value="N/A"/> ) <input type="text" value="Vent axia extraction units could not be located to inspect or test."/>	Agreed with name <input type="text" value="Mick"/>

This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2008 (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)

Overall assessment of the installation:  \*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY, I 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' (code FI). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by

I,  being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My signatures below), particulars of which are described above, 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 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.

Trading Title and address: <input type="text" value="Wirral Fire Protection, Gallagher House, Cashel Road, Birkenhead, Wirral, CH41 1DY"/>	NAPIT Registration Number: <input type="text" value="20268"/>
	Branch No. (If Applicable): <input type="text" value="N/A"/>

Inspected and tested by:	Name: <input type="text" value="David Gell"/>	Position: <input type="text" value="Engineer"/>	Signature:	Date: <input type="text" value="27/07/2016"/>
Report authorised for issue by:	Name: <input type="text" value="David Gell"/>	Position: <input type="text" value="Engineer"/>	Signature:	Date: <input type="text" value="27/07/2016"/>

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

Schedule(s) of inspection and  Schedule(s) of test results are attached

Earthing Arrangements		Number and Type of Live Conductors				Nature of Supply Parameters			Supply protective device					
TN-S	N/A	a.c.	<input checked="" type="checkbox"/>		d.c.	N/A	Nominal Voltage	$U^{(1)}$	400	V	BS(EN)			
TN-C-S	<input checked="" type="checkbox"/>	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Wire	N/A	Nominal Voltage	$U_0^{(1)}$	230	V	LIM		
TN-C	N/A	2-Phase (3 wire)	N/A			3 Wire	N/A	Nominal frequency	$f^{(1)}$	50	Hz	Type		
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	<input checked="" type="checkbox"/>	Other	N/A	Prospective fault current	$I_{pf}^{(2)}$	4.4	kA	LIM		
IT	N/A	Other	N/A					External loop impedance	$Z_e^{(2)}$	0.20	$\Omega$	Nominal current rating	LIM	A
								Number of supplies		1		Short circuit capacity	N/A	kA
Confirmation of supply polarity						<input checked="" type="checkbox"/>	(Note: (1) by enquiry, (2) by enquiry or by measurement)							

Means of earthing		Details of installation Earth Electrode (where applicable)					
Distributor's facility	<input checked="" type="checkbox"/>	Type (e.g. rod(s), tape etc.)	N/A		Location	N/A	
Installation earth electrode	N/A	Resistance to Earth	N/A		$\Omega$	Method of measurement	N/A

Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	95	mm <sup>2</sup>	Connection and Continuity Verified	<input checked="" type="checkbox"/>
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Main protective bonding conductors	Material	Copper	csa	50	mm <sup>2</sup>	Connection and Continuity Verified	<input checked="" type="checkbox"/>
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Bonding of Incoming Service					Maximum Demand (Load)				
Water installation pipes	<input checked="" type="checkbox"/>	Gas installation pipes	<input checked="" type="checkbox"/>	Structural Steel	N/A	Lightning protection	N/A	100	Amps
Oil installation pipes	N/A	Other incoming service(s)			N/A	Please State		Protective measure(s) against electric shock	
								ADS	

Location	In external mains switch room				Current rating	125	A	if RCD main switch		
Type BS(EN)	60947-2 MCCB		No of poles	3	Fuse/Device rating or setting	400	A	Rated residual operation current, $I_{\Delta n}$	N/A	mA
Supply Conductors material	Copper		Supply Conductors csa	120	Voltage rating	230	V	Rated time delay	N/A	ms
								RCD Operating time at, $I_{\Delta n}$	N/A	ms

Referring to the attached schedule(s) 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	5 FINAL CIRCUITS 5.14 Band II Cables segregated / separated from Band I cables (528.1)	C3
2	F2 DB4 circuit 5 L1 excessive CPC value	C3
3	Fi DB1 the trunking lid is missing	C3
4	RCD protection is required on first floor DB	C3
5	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.2 Security of fixing (134.1.1)	C3
--Observations continue on continuation sheet(s)--		

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	<input type="text" value="0"/>
C2 - Potentially dangerous - urgent remedial action required	<input type="text" value="0"/>
C3 - Improvement recommended	<input type="text" value="10"/>
FI - Further investigation required without delay	<input type="text" value="0"/>

Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>1.0</b>	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>													
1.1	Condition of service cable										✓	No		
1.2	Condition of Service head										✓	No		
1.3	Condition of distributor's earthing arrangement										✓	No		
1.4	Condition of meter tails - Distributor/Consumer										✓	No		
1.5	Condition of metering equipment										✓	No		
1.6	Condition of Isolator (where present)										✓	No		
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES</b>										N/A	No		
<b>3.0</b>	<b>EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)</b>													
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)										✓	No		
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)										N/A	No		
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)										✓	No		
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)										✓	No		
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)										✓	No		
3.6	Confirmation of main protective bonding conductor sizes (544.1)										✓	No		
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)										✓	No		
3.8	Accessibility and condition of other protective bonding connections (543.3.2)										✓	No		
<b>4.0</b>	<b>CONSUMER UNIT (S) / DISTRIBUTION BOARD(S)</b>													
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)										✓	No		
4.2	Security of fixing (134.1.1)										C3 (see section K)	No		
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										C3 (see section K)	No		
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)										C3 (see section K)	No		
4.5	Enclosure not damaged/deteriorated so as to impair safety (Regulation 621.2 (iii))										✓	No		
4.6	Presence of linked main switch (as required by 537.1.4)										✓	No		
4.7	Operation of main switch (functional check) (612.13.2)										✓	No		
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)										✓	No		
4.9	Correct identification of circuit details and protective devices (514.8.1;514.9.1)										✓	No		
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)										✓	No		
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)										✓	No		
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)										N/A	No		
4.13	Presence of other required labelling (please specify)(Section 514)										N/A	No		
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)(421.1.3)										✓	No		
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)										✓	No		
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)										✓	No		
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1) )										✓	No		
4.18	RCD(s) provided for fault protection – includes RCBOs(411.4.9; 411.5.2; 531.2)										LIM	No		
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)										LIM	No		
4.20	Confirmation of indication that SPD is functional (534.2.8)										LIM	No		
4.21	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)										✓	No		
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)										✓	No		
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)										✓	No		
<b>5.0</b>	<b>FINAL CIRCUITS</b>													
5.1	Identification of conductors (514.3.1)										✓	No		
5.2	Cables correctly supported throughout their run (522.8.5)										✓	No		
5.3	Condition of insulation of live parts (416.1)										C3 (see section K)	No		

Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>5.0</b>	<b>FINAL CIRCUITS (Continued)</b>													
5.4.0	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)										✓	No		
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)										✓	No		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)										✓	No		
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)										✓	No		
5.7	Adequacy of protective devices; type and rated current for fault protection (411.3)										✓	No		
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)										✓	No		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)										✓	No		
5.10	Concealed cables installed in prescribed zones (see section D. Extent and limitations) (522.6.202)										LIM	No		
5.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.204)										✓	No		
5.12.0	Provision of additional protection by RCD not exceeding 30mA													
5.12.1	For all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)										✓	No		
5.12.2	For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)										✓	No		
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)										✓	No		
5.12.4	For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)										✓	No		
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)										✓	No		
5.14	Band II Cables segregated / separated from Band I cables (528.1)										C3 (see section K)	No		
5.15	Cables segregated / separated from communications cabling (528.2)										✓	No		
5.16	Cables segregated / separated from non-electrical services (528.3)										✓	No		
5.17.0	Termination of cables at enclosures – indicate extent of sampling in Section D of the report (Section 526)													
5.17.1	Connections soundly made and under no undue strain (526.6)										✓	No		
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)										✓	No		
5.17.3	Connections of live conductors adequately enclosed (526.5)										✓	No		
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc...) (522.8.5)										✓	No		
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))										✓	No		
5.19	Suitability of accessories for external influences (512.2)										✓	No		
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)										✓	No		
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)										✓	No		
<b>6.0</b>	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>													
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)										✓	No		
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)										✓	No		
6.3	Shaver sockets comply with BS EN 61558-2-5 formally BS 3535 (701.512.3)										N/A	No		
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2)										✓	No		
6.5	Low Voltage (e.g. 230 volts) socket outlets at least 3m from Zone 1 (701.512.3)										N/A	No		
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)										✓	No		
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)										✓	No		
6.8	Suitability of current-using equipment for particular position within the location (701.55)										✓	No		
<b>7.0</b>	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>													
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).									Number of locations	0	No		

Name: David Gell

Date: 27/07/2016

Signature:



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	<input style="width: 90%;" type="text" value="Plant Room"/>	Supply to distribution board is from	<input style="width: 90%;" type="text" value="N/A"/>		Associated RCD (if any)
Distribution board designation	<input style="width: 90%;" type="text" value="SB1"/>	No of phases	<input style="width: 40%;" type="text" value="N/A"/>	Nominal Voltage	<input style="width: 40%;" type="text" value="N/A"/> V
		Overcurrent protective device for the distribution circuit			
		Type BS(EN)	<input style="width: 40%;" type="text" value="N/A"/>	Rating	<input style="width: 40%;" type="text" value="N/A"/> A
				BS(EN)	<input style="width: 40%;" type="text" value="N/A"/>
				RCD No of Poles	<input style="width: 40%;" type="text" value="N/A"/>
				RCD Rating	<input style="width: 40%;" type="text" value="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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δn	
1/L1	GRD Floor 3P DB LHS	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	1st Floor 3P DB	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	3rd Floor 3P DB	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	GRD Floor 3P DB RHS	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	2nd Floor 3P DB	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	4th Floor 3P DB	F	B	1	25	16	5	60947-2 MCB	B	125	10	N/A	30
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	<input type="text" value="N/A"/>	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	<input type="text" value="N/A"/>	ms	Earth fault loop impedance	<input type="text" value="9081005"/>	RCD	<input type="text" value="9081005"/>
Ipf	<input type="text" value="N/A"/>	kA		At 5I Δ <sub>n</sub>	<input type="text" value="N/A"/>	ms	Insulation resistance	<input type="text" value="9081005"/>	Other	<input type="text" value="N/A"/>
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	<input type="text" value="9081005"/>	Other	<input type="text" value="N/A"/>

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.18	N/A	N/A	N/A	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.18	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.21	N/A	N/A	N/A	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.17	N/A	N/A	N/A	NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.22	N/A	N/A	N/A	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.24	N/A	N/A	200	200	200		0.28	N/A	N/A	N/A	NO
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature	Position <input type="text" value="Engineer"/>
Name <input type="text" value="David Gell"/>	Date of testing <input type="text" value="07/06/2016"/>

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 <div style="border: 1px solid black; padding: 5px; width: 150px; height: 30px; margin: 5px 0;">Plant Room</div> Distribution board designation <div style="border: 1px solid black; padding: 5px; width: 150px; height: 30px; margin: 5px 0;">DB RHS</div>	Supply to distribution board is from <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 2px 0;">N/A</div> No of phases <span style="margin-left: 100px;">Nominal Voltage</span> <span style="margin-left: 20px;">400</span> V <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 2px 0;">3</div> Overcurrent protective device for the distribution circuit Type BS(EN) <span style="margin-left: 50px;">Rating</span> <span style="margin-left: 20px;">N/A</span> A <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 2px 0;">N/A</div>	Associated RCD (if any) BS(EN) <span style="margin-left: 50px;">N/A</span> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 2px 0;">N/A</div> RCD No of Poles <span style="margin-left: 50px;">N/A</span> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 2px 0;">N/A</div> RCD Rating <span style="margin-left: 50px;">N/A</span> mA <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 2px 0;">N/A</div>	


Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I $\Delta$ <sub>n</sub>	
1/L1	Room 11 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 11 Sockets and heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
1/L3	Room 12 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 12 Socket	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
2/L2	Room 13 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room 13 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
3/L1	Room 14 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 14 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
3/L3	Room 15 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 15 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L2	Room 16 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Room 16 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Room 17 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Room 17 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Room 18 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L1	Room 18 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L2	Room 19 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L3	Room 19 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
7/L1	Room 20 / Laundry Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
7/L2	Room 20 Sockets and Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
7/L3	4x Gym Sockets	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
8/L1	Gym / Office Sockets	A	C	11	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
8/L2	Disabled toilet light / office	A	C	5	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
8/L3	hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.18	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.2	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	1.55	N/A	N/A	200	200	200	✓	1.84	28	31	✓	NO
1/L2	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.54	21	22	✓	NO
1/L3	N/A	N/A	N/A	2.01	N/A	N/A	200	200	200	✓	2.64	28	28	✓	NO
2/L1	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.65	22	23	✓	NO
2/L2	N/A	N/A	N/A	1.84	N/A	N/A	200	200	200	✓	2.02	19	21	✓	NO
2/L3	N/A	N/A	N/A	0.36	N/A	N/A	200	200	200	✓	0.52	25	25	✓	NO
3/L1	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.13	24	21	✓	NO
3/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.64	21	21	✓	NO
3/L3	N/A	N/A	N/A	1.61	N/A	N/A	200	200	200	✓	1.88	21.2	23	✓	NO
4/L1	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.56	24	21	✓	NO
4/L2	N/A	N/A	N/A	1.41	N/A	N/A	200	200	200	✓	1.65	28	27.5	✓	NO
4/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.43	26.5	26	✓	NO
5/L1	N/A	N/A	N/A	1.09	N/A	N/A	200	200	200	✓	1.55	22.3	22.1	✓	NO
5/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	27	27	✓	NO
5/L3	N/A	N/A	N/A	1.55	N/A	N/A	200	200	200	✓	1.74	28	27	✓	NO
6/L1	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.72	21	19	✓	NO
6/L2	N/A	N/A	N/A	1.88	N/A	N/A	200	200	200	✓	2.07	23.4	21.3	✓	NO
6/L3	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.62	21.8	21.2	✓	NO
7/L1	N/A	N/A	N/A	0.89	N/A	N/A	200	200	200	✓	1.18	22	23	✓	NO
7/L2	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.54	21.5	20.5	✓	NO
7/L3	N/A	N/A	N/A	0.24	N/A	N/A	200	200	200	✓	0.58	26	241	✓	NO
8/L1	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.54	21	21	✓	NO
8/L2	N/A	N/A	N/A	1.77	N/A	N/A	200	200	200	✓	2.08	25	22	✓	NO
8/L3	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.38	26	26	✓	NO

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016



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	<input type="text" value="Plant Room"/>	Supply to distribution board is from	<input type="text" value="N/A"/>		
Distribution board designation	<input type="text" value="DB RHS"/>	No of phases	<input type="text" value="3"/>	Nominal Voltage	<input type="text" value="400"/> V
		Overcurrent protective device for the distribution circuit			
		Type BS(EN)	<input type="text" value="N/A"/>	Rating	<input type="text" value="N/A"/> A
		Associated RCD (if any)			
		BS(EN)	<input type="text" value="N/A"/>		
		RCD No of Poles	<input type="text" value="N/A"/>		
		RCD Rating	<input type="text" value="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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>	
9/L1	hob RHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
9/L2	Kitchen reing final	A	C	15	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
9/L3	Hall heaters	A	C	4	10.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
10/L1	Hallway Lights RHS	A	C	6	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
10/L2	Kitchen reing final external wall	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
10/L3	Heaters Gym	A	C	4	10.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
11/L1	Heaters Lounge	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
11/L2	Sockets kitchen	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
11/L3	Heating clock	A	C	1	1.0	1.	0.4	61009 RCD/RCBO	B	10	10	30	3.49
12/L1	Heaters outside Lounge	A	C	3	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
12/L2	Step Lights via time clock	A	C	9	1.0	1.	0.4	61009 RCD/RCBO	B	6	10	30	5.82
12/L3	Tv booster / sockets	F	C	7	2.5	2.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.18	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.2	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>			Phase sequence confirmed (where appropriate)	<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
9/L1	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.33	23.1	22	✓	NO
9/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.65	25	24	✓	NO
9/L3	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.43	28	24	✓	NO
10/L1	N/A	N/A	N/A	1.65	N/A	N/A	200	200	200	✓	1.89	28.1	26	✓	NO
10/L2	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.55	22	22	✓	NO
10/L3	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200	✓	0.74	25	24	✓	NO
11/L1	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.86	21	21	✓	NO
11/L2	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.56	24	23	✓	NO
11/L3	N/A	N/A	N/A	1.62	N/A	N/A	200	200	200	✓	1.83	28	26	✓	NO
12/L1	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.54	26.3	26.6	✓	NO
12/L2	N/A	N/A	N/A	1.89	N/A	N/A	200	200	200	✓	2.07	27	25	✓	NO
12/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.66	22.1	19	✓	NO

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Plant Room	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	DB LHS	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 1 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 1 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room 2 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 2 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room 3 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room 3 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room 4 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 4 Sockets & Heater	A	C	4	2.5	1.0	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	Room 5 Lights	A	C	3	1.0	1.5	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 5 Sockets & Heater	A	C	4	2.5	1.0	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 6 Lights	A	C	3	1.0	1.5	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Room 6 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
5/L1	Room 7 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Room 7 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
5/L3	Room 8 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L1	Room 8 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
6/L2	Room 9 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L3	Room 9 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
7/L1	Room 10 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
7/L2	Room 10 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
7/L3	Hallway lighting LHS	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
8/L1	Lighting Kitchen + Bike store	A	C	10	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
8/L2	Emergency lighting ground	A	C	15	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
8/L3	Hallway Sockets	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.17	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.8	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.81	21	19.9	✓	NO
1/L2	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.48	21	21	✓	NO
1/L3	N/A	N/A	N/A	0.65	N/A	N/A	200	200	200	✓	0.88	20	18.9	✓	NO
2/L1	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	23	21.5	✓	NO
2/L2	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	1.08	21	20.3	✓	NO
2/L3	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.77	20	19.8	✓	NO
3/L1	N/A	N/A	N/A	0.82	N/A	N/A	200	200	200	✓	1.12	19.8	21	✓	NO
3/L2	N/A	N/A	N/A	0.45	N/A	N/A	200	200	200	✓	0.75	27	26.5	✓	NO
3/L3	N/A	N/A	N/A	1.04	N/A	N/A	200	200	200	✓	1.28	26	26	✓	NO
4/L1	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.88	22	21	✓	NO
4/L2	N/A	N/A	N/A	1.09	N/A	N/A	200	200	200	✓	1.31	23	23	✓	NO
4/L3	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.85	22	21	✓	NO
5/L1	N/A	N/A	N/A	1.21	N/A	N/A	200	200	200	✓	1.45	23.1	21.2	✓	NO
5/L2	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.98	23.5	23.1	✓	NO
5/L3	N/A	N/A	N/A	1.23	N/A	N/A	200	200	200	✓	1.55	27	29	✓	NO
6/L1	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.91	26.8	26	✓	NO
6/L2	N/A	N/A	N/A	1.77	N/A	N/A	200	200	200	✓	1.94	20	21	✓	NO
6/L3	N/A	N/A	N/A	0.78	N/A	N/A	200	200	200	✓	1.05	21	21	✓	NO
7/L1	N/A	N/A	N/A	1.52	N/A	N/A	200	200	200	✓	1.71	21	25	✓	NO
7/L2	N/A	N/A	N/A	0.73	N/A	N/A	200	200	200	✓	1.04	22	21.5	✓	NO
7/L3	N/A	N/A	N/A	2.02	N/A	N/A	200	200	200	✓	2.75	23	21.5	✓	NO
8/L1	N/A	N/A	N/A	1.89	N/A	N/A	200	200	200	✓	2.28	20	19.8	✓	NO
8/L2	N/A	N/A	N/A	1.07	N/A	N/A	200	200	200	✓	1.39	28	27.1	✓	NO
8/L3	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.59	27	26.5	✓	NO

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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 <div style="border: 1px solid black; padding: 2px; width: 150px; height: 30px; margin: 5px 0;">Plant Room</div>	Supply to distribution board is from <div style="border: 1px solid black; padding: 2px; width: 150px; height: 20px; margin: 5px 0;">N/A</div>	Associated RCD (if any)	
Distribution board designation <div style="border: 1px solid black; padding: 2px; width: 150px; height: 30px; margin: 5px 0;">DB LHS</div>	No of phases <b>3</b> Nominal Voltage <b>400</b> V	BS(EN) <div style="border: 1px solid black; padding: 2px; width: 80px; height: 20px; margin: 5px 0;">N/A</div>	RCD No of Poles <div style="border: 1px solid black; padding: 2px; width: 80px; height: 20px; margin: 5px 0;">N/A</div>
	Overcurrent protective device for the distribution circuit	RCD Rating <div style="border: 1px solid black; padding: 2px; width: 80px; height: 20px; margin: 5px 0;">N/A</div> mA	
	Type BS(EN) <div style="border: 1px solid black; padding: 2px; width: 80px; height: 20px; margin: 5px 0;">N/A</div> Rating <div style="border: 1px solid black; padding: 2px; width: 40px; height: 20px; margin: 5px 0;">N/A</div> A		

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δn	
9/L1	Laundry Sockets	A	C	3	2.5	1.5	0.4	60898 MCB	B	40	10	30	0.87
9/L2	Laundry Sockets	A	C	3	2.5	1.5	0.4	60898 MCB	B	40	10	30	0.87
9/L3	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	Fire alarm	A	C	1	1.5	1.0	0.4	60898 MCB	B	20	10	N/A	1.75
10/L2	Repeater Panel	A	C	1	1.5	1.0	0.4	60898 MCB	B	6	10	N/A	5.82
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	Lift	F	C	1	2.5	1.5	0.4	60898 MCB	C	32	10	N/A	0.54
12/TP	3P Booster Kit Plant Room	F	C	1	2.5	1.5	0.4	60898 MCB	D	32	10	N/A	0.27

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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

**TEST INSTRUMENTS (SERIAL NUMBERS) USED**

Earth fault loop impedance:  RCD

Insulation resistance:  Other

Continuity:  Other


Zs   $\Omega$  Operating times of associated RCD (if any) At I  $\Delta_n$   ms

lpf  kA At 5I  $\Delta_n$   ms

Correct supply polarity confirmed  Phase sequence confirmed (where appropriate)

N/A

Circuit number and phase	Circuit Impedances $\Omega$					Insulation resistance				Polarity	Maximum measured earth fault loop impedance $\Omega$	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I $\Delta_n$	At 5I $\Delta_n$	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )										
9/L1	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.58	21	19.9	<input checked="" type="checkbox"/>	NO
9/L2	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.60	23.1	21.2	<input checked="" type="checkbox"/>	NO
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	N/A	N/A	N/A	1.31	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	1.55	N/A	N/A	N/A	NO
10/L2	N/A	N/A	N/A	1.04	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	1.31	N/A	N/A	N/A	NO
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	N/A	N/A	N/A	0.22	N/A	200	200	200	200	<input checked="" type="checkbox"/>	0.32	N/A	N/A	N/A	NO
12/TP	N/A	N/A	N/A	0.19	N/A	200	200	200	200	<input checked="" type="checkbox"/>	0.28	N/A	N/A	N/A	NO

Signature:  Position:

Name:  Date of testing:

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	Floor 1 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F1 DB1	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 101 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 101 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room 102 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 102 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room 103 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room 103 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room 104 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 104 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	Room 105 Lights	A	C	3	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 105 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Hall way lighting	A	C	7	1	1	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Hob	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Heating via contactor	A	C	4	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Lounge sockets	A	C	9	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L1	Emergency lighting	A	C	11	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L2	Heating via contactor	A	C	6	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L3	Tv power supply	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	Heating via time clock	F	C	1	1.0	1.0	0.4	60898 MCB	C	6	10	N/A	2.91
7/L3	DB3	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L1	Plant Room	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L2	DB4	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L3	Plant Room	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.20	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.4	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	1.04	29	29	✓	NO
1/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	28	27	✓	NO
1/L3	N/A	N/A	N/A	1.24	N/A	N/A	200	200	200	✓	1.64	28	28	✓	NO
2/L1	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.67	27.2	26	✓	NO
2/L2	N/A	N/A	N/A	1.55	N/A	N/A	200	200	200	✓	1.89	29	27	✓	NO
2/L3	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.56	22	23	✓	NO
3/L1	N/A	N/A	N/A	1.71	N/A	N/A	200	200	200	✓	2.03	29	29	✓	NO
3/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.61	25	24.1	✓	NO
3/L3	N/A	N/A	N/A	1.59	N/A	N/A	200	200	200	✓	1.81	28	27	✓	NO
4/L1	N/A	N/A	N/A	0.30	N/A	N/A	200	200	200	✓	0.56	26.3	26	✓	NO
4/L2	N/A	N/A	N/A	1.42	N/A	N/A	200	200	200	✓	1.77	29.1	27	✓	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.25	N/A	N/A	200	200	200	✓	0.41	28	28.1	✓	NO
5/L2	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.49	28.5	27	✓	NO
5/L3	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.51	21	21	✓	NO
6/L1	N/A	N/A	N/A	1.88	N/A	N/A	200	200	200	✓	2.03	26.3	25.3	✓	NO
6/L2	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.39	25.2	24	✓	NO
6/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.67	24.4	21	✓	NO
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	N/A	N/A	N/A	1.22	N/A	N/A	200	200	200	✓	1.55	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.21	N/A	N/A	N/A	NO
8/L1	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.23	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.19	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.22	N/A	N/A	N/A	NO

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016



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	Floor 1 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)		
Distribution board designation	F1 DB2	No of phases	3	Nominal Voltage	400 V		
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δn	
1/L1	Room 106 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 106 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 107 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 107 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 108 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 108 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 109 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 109 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob RHS	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 110 Sockets & Heater	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 110 Lights	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.30	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.6	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.61	31	30	✓	NO
1/L2	N/A	N/A	N/A	1.62	N/A	N/A	200	200	200	✓	1.98	30	30	✓	NO
1/L3	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.62	32	29	✓	NO
2/L1	N/A	N/A	N/A	1.55	N/A	N/A	200	200	200	✓	1.87	30	30	✓	NO
2/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	30.2	29.1	✓	NO
2/L3	N/A	N/A	N/A	2.55	N/A	N/A	200	200	200	✓	2.86	28	28	✓	NO
3/L1	N/A	N/A	N/A	0.28	N/A	N/A	200	200	200	✓	0.54	28.9	27	✓	NO
3/L2	N/A	N/A	N/A	1.70	N/A	N/A	200	200	200	✓	1.96	29	28	✓	NO
3/L3	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.32	30	29	✓	NO
4/L1	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.61	29	29	✓	NO
4/L2	N/A	N/A	N/A	0.91	N/A	N/A	200	200	200	✓	1.13	23	22	✓	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 1 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F1 DB3	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 111 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 111 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 112 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 112 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 113 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 113 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Kitchen + Plant room lights	A	C	6	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 115 Lights	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 115 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Kitchen sockets	A	C	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Lounge sockets	A	C	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.21	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.6	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.51	28	27	✓	NO
1/L2	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.98	28	26	✓	NO
1/L3	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	27.1	27	✓	NO
2/L1	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.83	25	24.5	✓	NO
2/L2	N/A	N/A	N/A	0.44	N/A	N/A	200	200	200	✓	0.61	29	29	✓	NO
2/L3	N/A	N/A	N/A	0.88	N/A	N/A	200	200	200	✓	1.13	26.3	25	✓	NO
3/L1	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.58	24.3	21	✓	NO
3/L2	N/A	N/A	N/A	1.12	N/A	N/A	200	200	200	✓	1.55	28.1	27.6	✓	NO
3/L3	N/A	N/A	N/A	1.34	N/A	N/A	200	200	200	✓	1.62	29.3	29	✓	NO
4/L1	N/A	N/A	N/A	0.28	N/A	N/A	200	200	200	✓	0.59	30	29	✓	NO
4/L2	N/A	N/A	N/A	0.97	N/A	N/A	200	200	200	✓	1.12	31	30.5	✓	NO
4/L3	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.57	28	28	✓	NO
5/L1	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.58	30	29	✓	NO
5/L2	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.35	31	30		NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 1 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F1 DB4	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>	
1/L1	Room 116 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 116 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 117 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 117 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 118 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 118 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 119 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 119 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 120 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 120 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Hall Sockets	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Hall Lights	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Kitchen Sockets	A	C	17	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Kitchen lights	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L1	Store room light	A	C	1	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.20	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.4	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.59	N/A	N/A	200	200	200	✓	0.63	31	31	✓	NO
1/L2	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.24	30	29	✓	NO
1/L3	N/A	N/A	N/A	0.45	N/A	N/A	200	200	200	✓	0.61	29	28	✓	NO
2/L1	N/A	N/A	N/A	0.64	N/A	N/A	200	200	200	✓	0.98	28.5	26	✓	NO
2/L2	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200	✓	0.71	31	29	✓	NO
2/L3	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.12	27	25	✓	NO
3/L1	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.55	27	27	✓	NO
3/L2	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.83	27.6	27	✓	NO
3/L3	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.39	28	26.5	✓	NO
4/L1	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.49	30.1	28	✓	NO
4/L2	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.98	28	27	✓	NO
4/L3	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.34	29	28	✓	NO
5/L1	N/A	N/A	N/A	1.13	N/A	N/A	200	200	200	✓	1.41	30	30	✓	NO
5/L2	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.57	31	30	✓	NO
5/L3	N/A	N/A	N/A	1.55	N/A	N/A	200	200	200	✓	1.71	30	27	✓	NO
6/L1	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.61	30	27.9	✓	NO
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature	Position <b>Engineer</b>
Name <b>David Gell</b>	Date of testing <b>07/06/2016</b>

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	Floor 2 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F2 DB1	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Kitchen Sockets	A	C	17	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Heating via contactor	A	C	1	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Tv booster	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Heating via contactor	A	C	1	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	Emergency lighting	A	C	12	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
7/L2	Heating time clock	A	C	1	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	DB4	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L2	DB2	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L3	DB3	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.22	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.1	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200	✓	0.74	29.1	29	✓	NO
1/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.49	27	26.2	✓	NO
1/L3	N/A	N/A	N/A	0.59	N/A	N/A	200	200	200	✓	0.68	26	25	✓	NO
2/L1	N/A	N/A	N/A	0.44	N/A	N/A	200	200	200	✓	0.56	31	31	✓	NO
2/L2	N/A	N/A	N/A	0.78	N/A	N/A	200	200	200	✓	0.94	24	26	✓	NO
2/L3	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.61	28	27.5	✓	NO
3/L1	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.88	30.6	29	✓	NO
3/L2	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200	✓	0.74	30.2	29	✓	NO
3/L3	N/A	N/A	N/A	0.92	N/A	N/A	200	200	200	✓	1.13	31	30.5	✓	NO
4/L1	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.88	30	29	✓	NO
4/L2	N/A	N/A	N/A	0.33	N/A	N/A	200	200	200	✓	0.55	30	28	✓	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.28	N/A	N/A	200	200	200	✓	0.39	29	28.1	✓	NO
5/L2	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.88	27	27	✓	NO
5/L3	N/A	N/A	N/A	0.28	N/A	N/A	200	200	200	✓	0.32	29	26	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.44	32	31	✓	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.95	N/A	N/A	200	200	200	✓	1.18	31	29	✓	NO
7/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.39	30	27	✓	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.23	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.23	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.17	N/A	N/A	200	200	200	✓	0.24	N/A	N/A	N/A	NO

Signature <span style="float: right;"></span>	Position <span style="float: right;">Engineer</span>
Name <span style="float: right;">David Gell</span>	Date of testing <span style="float: right;">07/06/2016</span>



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 <b>Floor 2 Cupboard</b>	Supply to distribution board is from <b>N/A</b>	Associated RCD (if any)
Distribution board designation <b>F2 DB2</b>	No of phases <b>3</b> Nominal Voltage <b>400</b> V	BS(EN) <b>N/A</b>
	Overcurrent protective device for the distribution circuit	RCD No of Poles <b>N/A</b>
	Type BS(EN) <b>N/A</b> Rating <b>N/A</b> A	RCD Rating <b>N/A</b> mA


Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD Op. current I <sub>Δn</sub>	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 206 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 206 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 207 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 207 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 208 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 208 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 209 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 209 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 210 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 210 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Wall Lights	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.26	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	2.3	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.89	22	21	✓	NO
1/L2	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.67	25	24	✓	NO
1/L3	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.65	23	23	✓	NO
2/L1	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.79	26	26	✓	NO
2/L2	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.56	28	29	✓	NO
2/L3	N/A	N/A	N/A	0.81	N/A	N/A	200	200	200	✓	0.94	25	24	✓	NO
3/L1	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.63	26	24	✓	NO
3/L2	N/A	N/A	N/A	0.79	N/A	N/A	200	200	200	✓	0.95	23.2	21	✓	NO
3/L3	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.54	22	22	✓	NO
4/L1	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.56	28	26.3	✓	NO
4/L2	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.12	30	29	✓	NO
4/L3	N/A	N/A	N/A	1.11	N/A	N/A	200	200	200	✓	1.66	31	29	✓	NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 2 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F2 DB3	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>	
1/L1	Room 215 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 215 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 214 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 214 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 213 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 213 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 212 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 212 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob RHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 211 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 211 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Kitchen lights	A	C	5	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L1	Hallway Lights	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Kitchen sockets	A	C	15	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Lounge sockets	A	C	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L1	Hall Sockets	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.25	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.6	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.82	N/A	N/A	✓	NO
1/L2	N/A	N/A	N/A	0.79	N/A	N/A	200	200	200	✓	0.85	N/A	N/A	✓	NO
1/L3	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.65	N/A	N/A	✓	NO
2/L1	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.71	N/A	N/A	✓	NO
2/L2	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.88	N/A	N/A	✓	NO
2/L3	N/A	N/A	N/A	0.68	N/A	N/A	200	200	200	✓	0.73	N/A	N/A	✓	NO
3/L1	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	✓	NO
3/L2	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.91	N/A	N/A	✓	NO
3/L3	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.55	N/A	N/A	✓	NO
4/L1	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.64	N/A	N/A	✓	NO
4/L2	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.82	N/A	N/A	✓	NO
4/L3	N/A	N/A	N/A	1.88	N/A	N/A	200	200	200	✓	2.03	N/A	N/A	✓	NO
5/L1	N/A	N/A	N/A	1.12	N/A	N/A	200	200	200	✓	1.35	N/A	N/A	✓	NO
5/L2	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	✓	NO
5/L3	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.36	N/A	N/A	✓	NO
6/L1	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	✓	0.77	N/A	N/A	✓	NO
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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 <b>Floor 2 Cupboard</b>	Supply to distribution board is from <b>N/A</b>	Associated RCD (if any)	
Distribution board designation <b>F2 DB4</b>	No of phases <b>3</b> Nominal Voltage <b>400</b> V	BS(EN) <b>N/A</b>	RCD No of Poles <b>N/A</b>
	Overcurrent protective device for the distribution circuit	RCD Rating <b>N/A</b> mA	
	Type BS(EN) <b>N/A</b> Rating <b>N/A</b> A		


Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δn	
1/L1	Room 220 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 220 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room 219 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 219 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room 218 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room 218 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room 217 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 217 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	Room 216 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L2	Room 216 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L3	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Lounge sockets	A	C	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Kitchen lights	A	C	5	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.36	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.8	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.92	N/A	N/A	200	200	200	✓	1.14	29	29	✓	NO
1/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.56	28	29	✓	NO
1/L3	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.89	29	28	✓	NO
2/L1	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.65	28	27	✓	NO
2/L2	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.94	26	26	✓	NO
2/L3	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.55	25.6	25	✓	NO
3/L1	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.81	28	26	✓	NO
3/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.48	30	26	✓	NO
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.51	30.3	30	✓	NO
4/L2	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.55	30	29	✓	NO
4/L3	N/A	N/A	N/A	0.33	N/A	N/A	200	200	200	✓	0.38	31	32	✓	NO
5/L1	0.71	0.71	7.64/c3	0.41	N/A	N/A	200	200	200	✓	0.51	30	30	✓	NO
5/L2	N/A	N/A	N/A	1.12	N/A	N/A	200	200	200	✓	1.34	30	30	✓	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 3 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F3 DB1	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 301 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 301 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room 302 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 302 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room 303 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room 303 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room 304 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 304 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	Room 305 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 305 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Hall Sockets	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L3	Wall Lights	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L1	Kitchen lights	A	C	4	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Hob RHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Heating via contactor	A	C	6	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L1	Tv booster	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
6/L2	Emergency lighting	A	C	12	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
6/L3	Heating via contactor	A	C	4	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	Heating time clock	F	C	1	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
8/L1	DB2	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L2	DB3	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17
8/L3	DB4	F	C	1	25	16	5	60898 MCB	C	100	10	N/A	0.17

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.23	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	4.1	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.88	28	26	✓	NO
1/L2	N/A	N/A	N/A	0.47	N/A	N/A	200	200	200	✓	0.56	28	25	✓	NO
1/L3	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.94	27	26	✓	NO
2/L1	N/A	N/A	N/A	0.46	N/A	N/A	200	200	200	✓	0.58	28	24	✓	NO
2/L2	N/A	N/A	N/A	0.82	N/A	N/A	200	200	200	✓	0.97	28	23	✓	NO
2/L3	N/A	N/A	N/A	0.47	N/A	N/A	200	200	200	✓	0.54	26	28	✓	NO
3/L1	N/A	N/A	N/A	0.88	N/A	N/A	200	200	200	✓	1.13	25	24	✓	NO
3/L2	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.66	25	24	✓	NO
3/L3	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.89	29	28.6	✓	NO
4/L1	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.65	28	27	✓	NO
4/L2	N/A	N/A	N/A	1.01	N/A	N/A	200	200	200	✓	1.34	26	26	✓	NO
4/L3	N/A	N/A	N/A	0.46	N/A	N/A	200	200	200	✓	0.66	28	28	✓	NO
5/L1	N/A	N/A	N/A	1.42	N/A	N/A	200	200	200	✓	1.68	29	28	✓	NO
5/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.39	29	28	✓	NO
5/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.56	28	26	✓	NO
6/L1	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.29	28	26	✓	NO
6/L2	N/A	N/A	N/A	0.95	N/A	N/A	200	200	200	✓	1.44	29	25	✓	NO
6/L3	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.71	27	26	✓	NO
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	N/A	N/A	N/A	0.88	N/A	N/A	200	200	200	✓	1.01	26.5	25	✓	NO
8/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.23	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.17	N/A	N/A	200	200	200	✓	0.24	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.24	N/A	N/A	N/A	NO

Signature <span style="float: right;"></span> Name <span style="float: right;">David Gell</span>	Position <span style="float: right;">Engineer</span> Date of testing <span style="float: right;">07/06/2016</span>
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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	Floor 3 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F3 DB2	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 306 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 308 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 308 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 309 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 309 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 310 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 310 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Kitchen sockets	A	C	14	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L2	Lounge sockets	A	C	9	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L3	Room 307 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
5/L1	Room 307 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.26	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.6	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.68	30	29	✓	NO
1/L2	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.91	28	26	✓	NO
1/L3	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.65	29	27	✓	NO
2/L1	N/A	N/A	N/A	0.92	N/A	N/A	200	200	200	✓	1.13	30	22	✓	NO
2/L2	N/A	N/A	N/A	0.50	N/A	N/A	200	200	200	✓	0.71	30	29	✓	NO
2/L3	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.89	31	30	✓	NO
3/L1	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.58	31	31	✓	NO
3/L2	N/A	N/A	N/A	0.59	N/A	N/A	200	200	200	✓	0.88	29	28	✓	NO
3/L3	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.47	28	27	✓	NO
4/L1	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.48	27	26	✓	NO
4/L2	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.54	28	28	✓	NO
4/L3	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.98	28	28	✓	NO
5/L1	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.65	25	24	✓	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature	Position <b>Engineer</b>
Name <b>David Gell</b>	Date of testing <b>07/06/2016</b>

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	Floor 3 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F3 DB3	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 311 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 311 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 312 Sockets & Heater	A	C	5	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 312 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 313 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 313 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 314 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 314 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hob	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 315 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 315 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Hall Sockets	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Kitchen lights / toilet	A	C	4	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L2	Wall Lights	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.26	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.3	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.55	26	22	✓	NO
1/L2	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.81	26	21	✓	NO
1/L3	N/A	N/A	N/A	0.27	N/A	N/A	200	200	200	✓	0.56	26	25	✓	NO
2/L1	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.91	28	28	✓	NO
2/L2	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.71	29	28	✓	NO
2/L3	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.88	26	22	✓	NO
3/L1	N/A	N/A	N/A	0.42	N/A	N/A	200	200	200	✓	0.65	25	21	✓	NO
3/L2	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.81	24	18	✓	NO
3/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.51	26	21	✓	NO
4/L1	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.92	25	19	✓	NO
4/L2	N/A	N/A	N/A	0.92	N/A	N/A	200	200	200	✓	1.12	28	25	✓	NO
4/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.66	28	26	✓	NO
5/L1	N/A	N/A	N/A	0.162	N/A	N/A	200	200	200	✓	1.86	22	22	✓	NO
5/L2	N/A	N/A	N/A	1.65	N/A	N/A	200	200	200	✓	1.95	28	26	✓	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 3 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F3 DB4	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 320 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 320 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 319 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 319 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 318 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 318 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 317 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 317 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Room 316 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L1	Room 316 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L2	Lounge sockets	A	C	8	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L3	Kitchen sockets	A	C	16	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.27	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.2	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.25	N/A	N/A	200	200	200	✓	0.51	26	24	✓	NO
1/L2	N/A	N/A	N/A	0.58	N/A	N/A	200	200	200	✓	0.79	25	21	✓	NO
1/L3	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.59	25	24	✓	NO
2/L1	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.56	28	26	✓	NO
2/L2	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.55	28	25	✓	NO
2/L3	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.94	26	21	✓	NO
3/L1	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.44	27	25	✓	NO
3/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.67	28	27	✓	NO
3/L3	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.78	24	23	✓	NO
4/L1	N/A	N/A	N/A	0.67	N/A	N/A	200	200	200	✓	0.94	25	24	✓	NO
4/L2	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.38	22	21	✓	NO
4/L3	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.41	29	22	✓	NO
5/L1	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.44	28	26	✓	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature	Position <b>Engineer</b>
Name <b>David Gell</b>	Date of testing <b>07/06/2016</b>

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 <div style="border: 1px solid black; padding: 2px; width: 150px; margin: 5px;">Floor 4 Cupboard</div> Distribution board designation <div style="border: 1px solid black; padding: 2px; width: 150px; margin: 5px;">F4 DB1</div>	Supply to distribution board is from <div style="border: 1px solid black; padding: 2px; width: 150px; margin: 5px;">N/A</div> No of phases <span style="margin-left: 100px;">Nominal Voltage</span> <span style="margin-left: 20px;">400</span> V <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 5px;">3</div> Overcurrent protective device for the distribution circuit Type BS(EN) <span style="margin-left: 50px;">Rating</span> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px;">N/A</div> <span style="margin-left: 20px;"><div style="border: 1px solid black; padding: 2px; width: 30px; margin: 5px;">N/A</div> A</span>	Associated RCD (if any) BS(EN) <span style="margin-left: 50px;">N/A</span> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px;">N/A</div> RCD No of Poles <span style="margin-left: 50px;">N/A</span> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px;">N/A</div> RCD Rating <span style="margin-left: 50px;">N/A</span> mA <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px;">N/A</div>	


Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>	
1/L1	Room 401 Lights	A	C	3	10	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L2	Room 401 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L3	Room 402 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L1	Room 402 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L2	Room 403 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L3	Room403 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L1	Room 404 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L2	Room 404 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L3	Room 405 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L1	Room 405 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Wall Lights LHS	A	C	7	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Vent axia + Kitchen lights	A	C	LIM	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L1	Heating via contactor	A	C	5	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Lounge sockets	A	C	9	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L3	Hob RHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L1	Heating via contactor	A	C	5	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
6/L2	Tv booster	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	Heating time clock	A	C	1	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
7/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	DB2	F	C	1	25.0	16.0	5	60898 MCB	B	100	10	N/A	0.35
8/L2	DB3	F	C	1	25.0	16.0	5	60898 MCB	B	100	10	N/A	0.35
8/L3	DB4	F	C	1	25.0	16.0	5	60898 MCB	B	100	10	N/A	0.35

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.23	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	3.3	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.56	N/A	N/A	200	200	200	✓	0.74	27	26	✓	NO
1/L2	N/A	N/A	N/A	0.42	N/A	N/A	200	200	200	✓	0.69	26	25	✓	NO
1/L3	N/A	N/A	N/A	0.88	N/A	N/A	200	200	200	✓	1.01	26	25	✓	NO
2/L1	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	28	24	✓	NO
2/L2	N/A	N/A	N/A	0.74	N/A	N/A	200	200	200	✓	0.98	29	26	✓	NO
2/L3	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.63	28	25	✓	NO
3/L1	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.96	27	21	✓	NO
3/L2	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.58	28	25	✓	NO
3/L3	N/A	N/A	N/A	0.86	N/A	N/A	200	200	200	✓	1.08	28	21	✓	NO
4/L1	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.78	28	24	✓	NO
4/L2	N/A	N/A	N/A	1.88	N/A	N/A	200	200	200	✓	2.88	28	26	✓	NO
4/L3	N/A	N/A	N/A	1.31	N/A	N/A	200	200	200	✓	1.55	25	24	✓	NO
5/L1	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.71	26	21	✓	NO
5/L2	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.84	28	26	✓	NO
5/L3	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.55	25	21	✓	NO
6/L1	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.71	25	25	✓	NO
6/L2	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.26	24	21	✓	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	1.12	N/A	N/A	200	200	200	✓	1.28	21	21	✓	NO
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.21	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.21	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.22	N/A	N/A	N/A	NO

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016



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	Floor 4 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F4 DB2	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>	
1/L1	Room 406 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 406 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 407 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 407 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 408 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 408 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 409 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 409 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Hall Sockets	A	C	2	2.5	1.5	0.4	1361 Fuse HBC	2	20	33	30	1.28
4/L1	Room 410 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 410 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Kitchen sockets	A	C	14	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L2	Kitchen lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.23	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.22	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.81	26	24	✓	NO
1/L2	N/A	N/A	N/A	0.89	N/A	N/A	200	200	200	✓	1.09	26	21	✓	NO
1/L3	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	✓	0.79	21	18	✓	NO
2/L1	N/A	N/A	N/A	0.89	N/A	N/A	200	200	200	✓	1.08	28	26	✓	NO
2/L2	N/A	N/A	N/A	0.57	N/A	N/A	200	200	200	✓	0.71	31	28	✓	NO
2/L3	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.12	27	24	✓	NO
3/L1	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.55	28	26	✓	NO
3/L2	N/A	N/A	N/A	0.81	N/A	N/A	200	200	200	✓	1.01	24	22	✓	NO
3/L3	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.56	29	28	✓	NO
4/L1	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.76	32	38	✓	NO
4/L2	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	✓	0.71	21	19	✓	NO
4/L3	N/A	N/A	N/A	0.28	N/A	N/A	200	200	200	✓	0.51	28	26	✓	NO
5/L1	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.94	26	25	✓	NO
5/L2	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.41	25	21	✓	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	07/06/2016

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	Floor 4 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F4 DB3	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 411 Sockets & Heater	A	C	4	2.5	15	0.4	61009 RCD/RCBO	B	20	10	30	1.75
1/L2	Room 411 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
1/L3	Room 412 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L1	Room 412 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
2/L2	Room 413 Sockets & Heater	A	C	4	2.5	1.0	0.4	61009 RCD/RCBO	B	20	10	30	1.75
2/L3	Room 413 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L1	Room 414 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
3/L2	Room 414 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
3/L3	Lounge sockets	A	C	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.09
4/L1	Room 415 Sockets & Heater	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	B	20	10	30	1.75
4/L2	Room 415 Lights	A	C	3	1.0	1.0	0.4	61009 RCD/RCBO	B	6	10	30	5.82
4/L3	Hob LHS	A	C	2	6.0	4.0	0.4	61009 RCD/RCBO	B	32	10	30	1.09
5/L1	Vent panel	A	C	1	1.5	1.0	0.4	61009 RCD/RCBO	B	20	10	30	1.75
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.21	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.3	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.59	31	22	✓	NO
1/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.61	29	26	✓	NO
1/L3	N/A	N/A	N/A	0.33	N/A	N/A	200	200	200	✓	0.58	28	27	✓	NO
2/L1	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.94	28	26	✓	NO
2/L2	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.71	32	23	✓	NO
2/L3	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.88	30	19	✓	NO
3/L1	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.56	26	26	✓	NO
3/L2	N/A	N/A	N/A	0.71	N/A	N/A	200	200	200	✓	0.94	25	21	✓	NO
3/L3	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.96	30	25	✓	NO
4/L1	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.91	29	29	✓	NO
4/L2	N/A	N/A	N/A	1.11	N/A	N/A	200	200	200	✓	1.36	21	18	✓	NO
4/L3	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.36	26	21	✓	NO
5/L1	N/A	N/A	N/A	0.17	N/A	N/A	200	200	200	✓	0.29	28	22	✓	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	10/06/2016

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	Floor 4 Cupboard	Supply to distribution board is from	N/A		Associated RCD (if any)
Distribution board designation	F4 DB4	No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit			BS(EN)
		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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L1	Room 416 Sockets & Heater	A	C	4	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
1/L2	Room 416 Lights	A	C	3	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
1/L3	Room 417 Sockets & Heater	A	C	4	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
2/L1	Room 417 Lights	A	C	3	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
2/L2	Room 418 Sockets & Heater	A	C	4	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
2/L3	Room 418 Lights	A	C	3	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
3/L1	Room 419 Sockets & Heater	A	C	4	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
3/L2	Room 419 Lights	A	C	3	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
3/L3	Room 420 Sockets & Heater	A	C	4	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
4/L1	Room 420 Lights	A	C	3	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
4/L2	Hall Sockets	A	C	2	2.5	1.5	0.4	60898 MCB	B	20	10	30	1.75
4/L3	Emergency lighting	A	C	12	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
5/L1	Hall lights	A	C	7	1.0	1.0	0.4	60898 MCB	B	6	10	30	5.82
5/L2	Hob LHS	A	C	2	6.0	4.0	0.4	60898 MCB	B	32	10	30	1.09
5/L3	Kitchen sockets	A	C	14	2.5	1.5	0.4	60898 MCB	B	32	10	30	1.09
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Zs	0.22	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	9081005	RCD	9081005
Ipf	1.4	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	9081005	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	9081005	Other	N/A

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.88	26	21	✓	NO
1/L2	N/A	N/A	N/A	0.88	N/A	N/A	200	200	200	✓	1.12	25	21	✓	NO
1/L3	N/A	N/A	N/A	0.42	N/A	N/A	200	200	200	✓	0.62	28	19	✓	NO
2/L1	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.98	26	20	✓	NO
2/L2	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.63	29	25	✓	NO
2/L3	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	✓	0.98	25	24	✓	NO
3/L1	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.78	24	21	✓	NO
3/L2	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.59	28	25	✓	NO
3/L3	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.62	25	21	✓	NO
4/L1	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.82	25	22	✓	NO
4/L2	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.66	25	21	✓	NO
4/L3	N/A	N/A	N/A	0.41	N/A	N/A	200	200	200	✓	0.68	26	21	✓	NO
5/L1	N/A	N/A	N/A	1.18	N/A	N/A	200	200	200	✓	1.42	27	22	✓	NO
5/L2	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.32	25	21	✓	NO
5/L3	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.56	23	18	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Signature		Position	Engineer
Name	David Gell	Date of testing	10/06/2016

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	N/A			
Distribution board designation	Boiler Room	No of phases	1	Nominal Voltage	230 V	
		Overcurrent protective device for the distribution circuit				
		Type BS(EN)	N/A	Rating	N/A A	
					Associated RCD (if any)	
					BS(EN)	N/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	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I $\Delta$ n	
1/L3	Lighting	A	C	2	1.5	1.0	0.4	60898 MCB	B	6	10	N/A	5.82
2/L3	Boiler 1	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.18
3/L3	Pump 1	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.18
4/L3	Boiler 2	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.18
5/L3	Pump 2	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.18
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Heaters in bike store	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	10	N/A	1.75

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

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

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Zs  Ω Operating times of associated RCD (if any) At I Δ<sub>n</sub>  ms  
 Ipf  kA At 5I Δ<sub>n</sub>  ms  
 Correct supply polarity confirmed  Phase sequence confirmed (where appropriate)

Earth fault loop impedance  RCD   
 Insulation resistance  Other   
 Continuity  Other

N/A

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance 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)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L3	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.63	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.39	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.41	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.48	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	N/A	NO

Signature

Position

Name

Date of testing



below.

incoming fuses could not be isolated as the system is in use. External lighting not checked, it requires access equipment to inspect and test. DB in boiler room circuit 7 unidentified could not inspect nor test. No ring final end to end tests carried out.

section K of this report are detailed as improvement recommended and remedial works should be considered. Overall the installation is in a satisfactory condition.

Item No	Description	Code
6	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.3 Condition of enclosure(s) in terms of IP rating etc (416.2)	C3
7	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.4 Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	C3
8	5 FINAL CIRCUITS 5.3 Condition of insulation of live parts (416.1)	C3
9	No lighting standard or emergency in DB cupboards	C3
10	Covers missing from the following lights on the following boards: F3 DB3, F2 DB4, F2 DB3, F1 DB1 & F1 DB4	C3

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

## CONDITION REPORT GUIDANCE NOTES FOR RECIPIENTS

**This report is an important and valuable document which should be retained for future reference.**

1. The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.
3. The "original" Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates residual current devices (RCD) there should be a notice at or near the device stating that it should be tested quarterly. **For safety reasons it is important that this instruction is followed.**
5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. For items classified in Section K as C1 ("Danger Present"), **the safety of those using the installation is at risk**, and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section K as C2 ("Potentially Dangerous"), the safety of those using the installation may be at risk and it is recommended that a competent person undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in Section K that an observation requires further investigation (code F1) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit / distribution board.