ELECTRICAL INSTALLATION CONDITION REPORT

265118 - Master

Lantei Compliance Services

A. Details of the Client/Person Ordering the Report

Client: Derbyshire County Council

Address:
County Hall
Matlock
Derbyshire
DE4 3AG

B. Reason for Producing this Report

Purpose of this report:
Essential information, which the client has requested, in accordance with the Electricity At Work Regulations 1989.
" As maybe necessary to prevent danger all systems
--See Additional Page--

Date(s) on which Inspection: and testing was carried out: 03/09/2018

C. Details of the Installation which is the Subject of this Report

Installation: The Spinney, Brimington

Occupier: Derbyshire County Council

Address:
Woodlands
Brimington
Chesterfield
Derbyshire S43 1BE

Description of premises:	Domestic	Commercial	Industrial
	N/A	✓	N/A

Other: N/A

Estimated age of wiring system: 40+ yrs

Evidence of alterations or additions: ✓ If yes estimated Age VAR yrs

Record of Installation available: N/A Records held By: N/A

Date of previous inspection: 28/10/2013

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
A fixed wire test of all sub-mains and all lighting and power
--See Additional Page--

Agreed limitations including the reasons (See regulation 634.2)
Unable to access the sealed incoming device. Ze and Ipf was
--See Additional Page--

Agreed with name: Leigh Hales

Operational Limitations including the reasons (See page No N/A)
Critical equipment could not be switched off in agreement with the Client/Site supervisor.

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.

E. Summary of the Condition of the Installation

General condition of the installations (In terms of electrical safety)
The origin of electrical supply is located Electric Cupboard in the office corridor. This a three phase four wire system with TNC-S
--See Additional Page--

Overall assessment of the installation: Unsatisfactory

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

F. Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, 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 recommend that the installation is further inspected and tested by 03/09/2023

G. Declaration

, 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:
Lantei Compliance Services
1A Essex Street
Preston
Lancashire
PR1 1QE

NICEIC Enrolment Number: 502303

Branch No. (If Applicable): 000

Inspected and tested by:

Name: Pete Bond Position: Electrical Test Engineer Signature: Date: 05/09/2018

Report authorised for issue by:

Name: Rob Walsh Position: Qualified Supervisor Signature: Date: 05/09/2018

H. Schedule(s)

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

10 Schedule(s) of inspection and 10 Schedule(s) of test results are attached

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I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements		Number and Type of Live Conductors					
TN-S	N/A	a.c.	✓			d.c.	N/A
TN-C-S	✓	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Wire	N/A
TN-C	N/A	2-Phase (3 wire)	N/A			3 Wire	N/A
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Other	N/A
IT	N/A	Other	N/A				
		Confirmation of supply polarity			✓		

Nature of Supply Parameters			
Nominal Voltage	U (1)	400	V
Nominal Voltage	U_0 (1)	230	V
Nominal frequency	f (1)	50	Hz
Prospective fault current	Ipf (2)	2.2	kA
External loop impedance	Ze (2)	0.21	Ω
Number of supplies		1	

(Note: (1) by enquiry, (2) by enquiry or by measurement)

Supply protective device		
BS(EN)	LIM	
Type	N/A	
Nominal current rating	N/A	A
Short circuit capacity	N/A	kA

J. Particulars of Installation Referred to in the Report

Means of earthing		Details of installation Earth Electrode (where applicable)			
Distributor's facility	✓	Type (e.g. rod(s), tape etc.)	N/A	Location	N/A
Installation earth electrode	N/A	Resistance to Earth	N/A Ω	Method of measurement	N/A

Main Protective Conductors

Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	16 mm 2	Connection and Continuity Verified	✓
Main protective bonding conductors	Material	Copper	csa	16 mm 2	Connection and Continuity Verified	LIM

Bonding of Incoming Service

Water installation pipes ✓ Gas installation pipes ✓ Structural Steel LIM Lightning protection LIM

Oil installation pipes LIM

Other incoming service(s) ✓ Please State: Mech Services

Maximum Demand (Load): 100 **Amps**

Protective measure(s) against electric shock: ADS

Main Switch / Switch-Fuse / Circuit-Breaker / RCD

Location	Electric Cupboard	Current rating	125 A	**if RCD main switch**	
Type BS(EN)	60947-3	Fuse/Device rating or setting	125 A	Rated residual operation current, Δn	N/A mA
No of poles	3	Voltage rating	400 V	Rated time delay	N/A ms
Supply Conductors material	Copper			RCD Operating time at, IΔn	N/A ms
Supply Conductors csa	16 mm 2				

K. Observations

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	Observation: Cables which have been left disconnected inside the DB, should be terminated in a suitable	C3
	accessory or removed to prevent them from being inadvertently energized.	
	Location: DB 12. Store adj Office.	
	Regulation: 537.2.1.2	
2	Observation: All untraced circuits must have their circuit designations verified.	FI
	--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	0
C2 - Potentially dangerous - urgent remedial action required	7
C3 - Improvement recommended	16
FI - Further investigation required without delay	5

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Board Details

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	N/A	Supply to distribution board is from	N/A	Associated RCD (if any)	
		No of phases	N/A	Nominal Voltage	N/A V	BS(EN)	N/A
Distribution board designation	MDB 1	Overcurrent protective device for the distribution circuit		RCD No of Poles	N/A
		Type BS(EN)	N/A	Rating	N/A A	RCD Rating	N/A mA

Circuit Details

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^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	
1/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	Sub Mains(DB 8)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
1/L3	Sub Mains(DB 13)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
2/L1	Sub Mains(DB 9)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	Unidentified circuit	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
3/L3	Unidentified circuit	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
4/TP	Sub Mains(DB 1)	F	C	1	25	16	5	60898 MCB	C	40	10	N/A	0.55
5/TP	Sub Mains(DB 2)	F	C	1	25	16	5	60898 MCB	C	63	10	N/A	0.35
6/L1	Sub Mains(DB 12)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
6/L2	Sub Mains(DB 10)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	Sub Mains(DB 4)	F	C	1	16	SWA	5	60898 MCB	C	50	10	N/A	0.44
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Sub Mains(DB 11)	G	C	1	25	SWA	5	60898 MCB	C	50	10	N/A	0.44

Wiring Code

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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265118 - Master

Board Tests

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

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

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance	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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	N/A	N/A	N/A	0.12	N/A	N/A	LIM	>200	>200	✓	0.33	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.07	N/A	N/A	LIM	>200	>200	✓	0.28	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.14	N/A	N/A	LIM	>200	>200	✓	0.35	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
4/TP	N/A	N/A	N/A	0.01	N/A	LIM	LIM	>200	>200	✓	0.21	N/A	N/A	N/A	NO
5/TP	N/A	N/A	N/A	0.01	N/A	LIM	LIM	>200	>200	✓	0.21	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.07	N/A	N/A	LIM	>200	>200	✓	0.28	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>200	>200	✓	0.32	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>200	>200	✓	0.27	N/A	N/A	N/A	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>200	>200	✓	0.26	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	24/07/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Store Cupboard adj Office Dorman Smith	Supply to distribution board is from	SubMains(MDB 1, 6/L1)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage	230 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
Distribution board designation	DB 12	Type BS(EN)	60898 MCB C	RCD No of Poles	N/A
		Rating	50 A	RCD Rating	N/A mA

Circuit Details

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
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	Ω
1/L1	RFC sockets Lounge & sewing room	A	C	6	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
2/L1	RFC Sockets Reception	A	C	4	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
3/L1	RFC Sockets Corridor	A	C	2	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
4/L1	RFC Sockets Manager, ass manager, corridor & transformer	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
5/L1	RFC sockets Laundry & Dining room	A	C	5	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
6/L1	Lights stairs to managers flat, sewing room & staff cloakroom	A	C	12	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
7/L1	Lights Reception lobby & sitting area	A	C	6	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
8/L1	Lights lounge area	A	C	8	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
9/L1	Lights Corridor	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
10/L1	Lights laundry, staff dining room, managers office	A	C	5	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
11/L1	Unidentified circuit	A	C	LIM	1.5	1	0.4	3871 MCB	2	15	3	N/A	2.08
12/L1	Lights Corridor	A	C	5	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
13/L1	Lights external	A	C	LIM	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
14/L1	Unidentified circuit	A	C	LIM	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
15/L1	Fire Alarm	FP	C	1	1.5	1	0.4	3871 MCB	2	5	3	N/A	6.24

Wiring Code

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

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Board Tests

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

Zs	0.28 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.85 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance	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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/L1	0.38	0.38	0.66	0.26	N/A	N/A	LIM	>200	>200	✓	0.54	N/A	N/A	N/A	NO
2/L1	0.21	0.21	0.37	0.15	N/A	N/A	LIM	>200	>200	✓	0.43	N/A	N/A	N/A	NO
3/L1	0.38	0.38	0.65	0.27	N/A	N/A	LIM	>200	>200	✓	0.55	N/A	N/A	N/A	NO
4/L1	LIM	LIM	LIM	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.32	N/A	N/A	N/A	NO
5/L1	0.42	0.43	0.69	0.28	N/A	N/A	LIM	>200	>200	✓	0.56	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	1.09	N/A	N/A	LIM	>200	>200	✓	1.37	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	1.22	N/A	N/A	LIM	>200	>200	✓	1.50	N/A	N/A	N/A	NO
8/L1	N/A	N/A	N/A	0.69	N/A	N/A	LIM	>200	>200	✓	0.97	N/A	N/A	N/A	NO
9/L1	N/A	N/A	N/A	0.55	N/A	N/A	LIM	>200	>200	✓	0.83	N/A	N/A	N/A	NO
10/L1	N/A	N/A	N/A	0.74	N/A	N/A	LIM	>200	>200	✓	1.02	N/A	N/A	N/A	NO
11/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
12/L1	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>200	>200	✓	0.91	N/A	N/A	N/A	NO
13/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
14/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
15/L1	N/A	N/A	N/A	0.26	N/A	N/A	LIM	>200	>200	✓	0.54	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	03/09/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Store opp Room 1 Merlin Gerin	Supply to distribution board is from	SubMains(MDB 1, 8/L3)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 230 V	BS(EN) N/A
Distribution board designation	DB 11	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

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^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	
1/L3	RFC sockets kitchen	A	C	5	2.5	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
2/L3	RFC Sockets Corridor & boiler room	A	C	3	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L3	Unidentified circuit	A	C	LIM	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
4/L3	RFC sockets sitting room	A	C	3	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
5/L3	RFC Sockets Rooms 1,2,3	A	C	6	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
6/L3	RFC Sockets Rooms 4,5	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L3	RFC sockets treatment room	A	C	5	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
8/L3	Cooker Kitchen	A	C	1	6	2.5	0.4	60898 MCB	B	32	10	N/A	1.37
9/L3	Lights Corridor	A	C	6	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
10/L3	Lights sitting room, treatment room, dining room & boiler room	A	C	9	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
11/L3	Lights rooms 4,5	A	C	4	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
12/L3	Boiler Panel	A	C	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
13/L3	Lights rooms 1,2,3 & kitchen	A	C	9	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
14/L3	Lights sluice & bathroom	A	C	5	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
15/L3	Socket RHS DB for TV amp	A	C	1	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28

Wiring Code

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

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Board Tests

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

Zs	0.26 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.92 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L3	0.24	0.24	0.43	0.16	N/A		LIM	>200	>200	✓	0.42	N/A	N/A	N/A	NO
2/L3	0.32	0.32	0.56	0.22	N/A		LIM	>200	>200	✓	0.18	46	39	✓	NO
3/L3	LIM	LIM	LIM	LIM	N/A		LIM	>200	>200		LIM	LIM	LIM	LIM	NO
4/L3	0.28	0.28	0.49	0.19	N/A		LIM	>200	>200	✓	0.45	28	28	✓	NO
5/L3	0.33	0.34	0.58	0.23	N/A		LIM	>200	>200	✓	0.29	62	29	✓	NO
6/L3	0.29	0.29	0.54	0.20	N/A		LIM	>200	>200	✓	0.46	39	28	✓	NO
7/L3	0.19	0.19	0.32	0.13	N/A		LIM	>200	>200	✓	0.39	41	19	✓	NO
8/L3	N/A	N/A	N/A	0.05	N/A		LIM	>200	>200	✓	0.31	N/A	N/A	N/A	NO
9/L3	N/A	N/A	N/A	0.54	N/A		LIM	>200	>200	✓	0.80	N/A	N/A	N/A	NO
10/L3	N/A	N/A	N/A	0.79	N/A		LIM	>200	>200	✓	1.05	N/A	N/A	N/A	NO
11/L3	N/A	N/A	N/A	0.63	N/A		LIM	>200	>200	✓	0.89	N/A	N/A	N/A	NO
12/L3	N/A	N/A	N/A	0.22	N/A		LIM	>200	>200	✓	0.48	N/A	N/A	N/A	NO
13/L3	N/A	N/A	N/A	0.54	N/A		LIM	>200	>200	✓	0.80	N/A	N/A	N/A	NO
14/L3	N/A	N/A	N/A	0.37	N/A		>200	>200	>200	✓	0.63	N/A	N/A	N/A	NO
15/L3	N/A	N/A	N/A	0.02	N/A		>200	>200	>200	✓	0.28	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	03/09/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Store cupboard Blue Wing Dorman Smith	Supply to distribution board is from	SubMains(MDB 1, 6/L2)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 230 V	BS(EN) N/A
		Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
Distribution board designation	DB 10	Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current $I\Delta n$	
1/L2	RFC Sockets Room 46 & servery	A	C	5	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
2/L2	Unidentified circuit	A	C		2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
3/L2	Unidentified circuit	A	C		2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
4/L2	RFC Sockets Rooms 42, 43, 44, 45	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
5/L2	Boiler Panel	A	C	1	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
6/L2	Fridge socket	A	C	1	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
7/L2	Lights rooms46, 47, 48	A	C	6	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
8/L2	Lights Bathroom, sluice & rooms 41, 42	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
9/L2	Bath supply	A	C	1	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
10/L2	Lights rooms 43, 44, 45 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
11/L2	Lights Servery, dining room, WC's and boiler room	A	C	7	1.5	1	0.4	3871 MCB	2	5	3	N/A	6.24
12/L2	Lights rooms 38,39,40 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	5	3	N/A	6.24
13/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
14/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
15/L2	RFC Sockets Rooms 38, 39,40, 41	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04

Wiring Code

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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265118 - Master

Board Tests

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

Zs	0.32 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.66 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

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 MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At I Δ n ms	At 5I Δ n ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L2	0.24	0.24	0.42	0.17	N/A		LIM	>200	>200	✓	N/A	N/A	N/A	N/A	NO
2/L2	LIM	LIM	LIM	LIM	N/A		LIM	>200	>200		LIM	N/A	N/A	N/A	NO
3/L2	LIM	LIM	LIM	LIM	N/A		LIM	>200	>200		LIM	N/A	N/A	N/A	NO
4/L2	0.34	0.34	0.58	0.23	N/A		LIM	>200	>200	✓	0.55	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.22	N/A		LIM	>200	>200	✓	0.54	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.26	N/A		LIM	>200	>200	✓	0.58	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.64	N/A		LIM	>200	>200	✓	0.96	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.59	N/A		LIM	>200	>200	✓	0.92	N/A	N/A	N/A	NO
9/L2	N/A	N/A	N/A	0.32	N/A		LIM	>200	>200	✓	0.64	N/A	N/A	N/A	NO
10/L2	N/A	N/A	N/A	0.81	N/A		LIM	>200	>200	✓	1.13	N/A	N/A	N/A	NO
11/L2	N/A	N/A	N/A	0.74	N/A		LIM	>200	>200	✓	1.06	N/A	N/A	N/A	NO
12/L2	N/A	N/A	N/A	1.04	N/A		LIM	>200	>200	✓	1.36	N/A	N/A	N/A	NO
13/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/L2	0.52	0.52	0.86	0.34	N/A		LIM	>200	>200	✓	0.66	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	03/09/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Store Cupboard Red Wing Dorman Smith	Supply to distribution board is from	SubMains(MDB 1, 2/L1)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 230 V	BS(EN) N/A
		Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
Distribution board designation	DB 9	Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

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
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	Ω
1/L1	Lights corridor & boiler house	A	C	6	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
2/L1	Fridge socket servery	A	C	1	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
3/L1	Lights rooms 10, 11, 12	A	C	6	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
4/L1	Lights rooms 7, 8, 9 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
5/L1	Lights rooms 2, 3, 4 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
6/L1	Lights sitting room & room 1	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
7/L1	Lights Bathroom & sluice	A	C	4	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
8/L1	RFC sockets	A	C	4	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
9/L1	RFC sockets	A	C	6	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
10/L1	RFC sockets	A	C	4	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
11/L1	Unidentified circuit	A	C	LIM	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
12/L1	Boiler Panel	A	C	1	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
13/L1	Lights rooms 5, 6	A	C	4	2.5	1.5	0.4	3871 MCB	2	5	3	N/A	6.24
14/L1	RFC Sockets Rooms this side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
15/L1	RFC Sockets Rooms far side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04

Wiring Code

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

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Board Tests

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

Zs	0.35 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.69 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance	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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/L1	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>200	>200	✓	0.80	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.26	N/A	N/A	LIM	>200	>200	✓	0.61	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.39	N/A	N/A	LIM	>200	>200	✓	0.72	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.58	N/A	N/A	LIM	>200	>200	✓	0.91	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.49	N/A	N/A	LIM	>200	>200	✓	0.82	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.54	N/A	N/A	LIM	>200	>200	✓	0.87	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>200	>200	✓	0.64	N/A	N/A	N/A	NO
8/L1	0.51	0.51	0.84	0.33	N/A	N/A	LIM	>200	>200	✓	0.66	N/A	N/A	N/A	NO
9/L1	0.38	0.38	0.64	0.26	N/A	N/A	LIM	>200	>200	✓	0.59	N/A	N/A	N/A	NO
10/L1	0.43	0.43	0.69	0.28	N/A	N/A	LIM	>200	>200	✓	0.61	N/A	N/A	N/A	NO
11/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>200	>200		LIM	N/A	N/A	N/A	NO
12/L1	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>200	>200	✓	0.62	N/A	N/A	N/A	NO
13/L1	N/A	N/A	N/A	0.57	N/A	N/A	LIM	>200	>200	✓	0.90	N/A	N/A	N/A	NO
14/L1	0.36	0.36	0.59	0.24	N/A	N/A	LIM	>200	>200	✓	N/A	N/A	N/A	N/A	NO
15/L1	0.57	0.57	0.94	0.38	N/A	N/A	LIM	>200	>200	✓	N/A	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	03/09/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Store Cupboard Yellow Wing Dorman Smith	Supply to distribution board is from	SubMains(MDB 1, 1/L2)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 230 V	BS(EN) N/A
Distribution board designation	DB 8	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm2	cpc mm2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current I Δ n	
1/L2	Lights Dining room, WC's, boiler room	A	C	9	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
2/L2	Lights sitting area, room 13	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
3/L2	Lights rooms 19, 20, 21 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
4/L2	Unidentified circuit	A	C	LIM	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
5/L2	Lights rooms 14, 15, 16 & corridor	A	C	11	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
6/L2	Lights Corridor	A	C	5	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
7/L2	Fridge socket servery	A	C	1	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
8/L2	RFC sockets	A	C	6	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
9/L2	RFC sockets	A	C	6	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
10/L2	RFC sockets	A	C	6	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
11/L2	Pump	A	C	1	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
12/L2	Unidentified circuit	A	C	LIM	2.5	1.5	0.4	3871 MCB	2	10	3	N/A	3.12
13/L2	Control Circuit	A	C	1	2.5	1.5	0.4	3871 MCB	2	5	3	N/A	6.24
14/L2	RFC Sockets Rooms far side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
15/L2	RFC Sockets Rooms this side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04

Wiring Code

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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265118 - Master

Board Tests

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

Zs	0.33 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.72 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L2	N/A	N/A	N/A	0.43	N/A		LIM	>200	>200	✓	0.76	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.52	N/A		LIM	>200	>200	✓	0.85	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.69	N/A		LIM	>200	>200	✓	1.02	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	LIM	N/A		LIM	>200	>200		LIM	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.71	N/A		LIM	>200	>200	✓	1.04	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.54	N/A		LIM	>200	>200	✓	0.87	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.28	N/A		LIM	>200	>200	✓	0.61	N/A	N/A	N/A	NO
8/L2	0.35	0.35	0.58	0.23	N/A		LIM	>200	>200	✓	0.56	N/A	N/A	N/A	NO
9/L2	0.41	0.41	0.68	0.27	N/A		LIM	>200	>200	✓	0.60	N/A	N/A	N/A	NO
10/L2	0.27	0.27	0.44	0.20	N/A		LIM	>200	>200	✓	0.53	N/A	N/A	N/A	NO
11/L2	N/A	N/A	N/A	0.24	N/A		LIM	>200	>200	✓	0.57	N/A	N/A	N/A	NO
12/L2	N/A	N/A	N/A	LIM	N/A		LIM	>200	>200		LIM	N/A	N/A	N/A	NO
13/L2	N/A	N/A	N/A	0.06	N/A		LIM	>200	>200	✓	0.39	N/A	N/A	N/A	NO
14/L2	0.48	0.48	0.81	0.33	N/A		LIM	>200	>200	✓	0.66	N/A	N/A	N/A	NO
15/L2	0.32	0.32	0.52	0.22	N/A		LIM	>200	>200	✓	0.55	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	03/09/2018

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Board Details

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	Laundry	Supply to distribution board is from	SubMains(MDB 1, 7/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB 4	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current $I\Delta n$	
1/TP	Washing Machine RHS	D	B	1	6	CON	0.4	3871 MCB	2	15	3	N/A	2.08
2/L1	Bottom Dryer	D	B	1	6	CON	0.4	3871 MCB	2	30	3	N/A	1.04
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Fan	A	B	1	1.5	1	0.4	3871 MCB	2	5	3	N/A	6.24
3/L2	Top Dryer	D	B	1	6	CON	0.4	3871 MCB	2	20	3	N/A	1.56
3/L3	Washing Machine LHS	D	B	1	6	CON	0.4	3871 MCB	2	30	3	N/A	1.04
4/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	RFC sockets laundry	D	B	4	2.5	1.5	0.4	61008 RCD		30	3	30	

Wiring Code

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

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Board Tests

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

Zs	0.27 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	1.76 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance	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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/TP	N/A	N/A	N/A	0.03	N/A	>200	>200	>200	>200	✓	0.30	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.02	N/A	N/A	>200	>200	>200	✓	0.29	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.26	N/A	N/A	>200	>200	>200	✓	0.53	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.03	N/A	N/A	>200	>200	>200	✓	0.30	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.02	N/A	N/A	>200	>200	>200	✓	0.29	N/A	N/A	N/A	NO
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	0.03	0.03	0.06	0.02	N/A	N/A	>200	>200	>200	✓	0.29	17	18	✓	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	05/09/2018

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Board Details

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	Main Switchroom Merlin Gerin	Supply to distribution board is from	SubMains(MDB 1, 4/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
		Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
Distribution board designation	DB 1	Type BS(EN)	60898 MCB C	Rating 40 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current $I\Delta n$	
1/TP	Dishwasher	G	C	1	6	SWA	0.4	60898 MCB	C	32	10	N/A	0.68
2/L1	Food mixer	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L2	Water Boiler	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Peeler	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	RFC sockets kitchen	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

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

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Board Tests

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

Zs	0.21 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	2.2 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance	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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>200	>200	✓	0.27	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.14	N/A	N/A	LIM	>200	>200	✓	0.35	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.19	N/A	N/A	LIM	>200	>200	✓	0.40	N/A	N/A	N/A	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.14	N/A	N/A	LIM	>200	>200	✓	0.35	N/A	N/A	N/A	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	0.26	0.26	0.43	0.19	N/A	N/A	LIM	>200	>200	✓	0.40	N/A	N/A	N/A	NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	05/09/2018

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Board Details

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	Main Switchroom Merlin Gerin	Supply to distribution board is from	SubMains(MDB 1, 5/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB 2	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60898 MCB C	Rating 63 A	RCD Rating N/A mA

Circuit Details

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
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	Ω
1/L1	Lights Store this end	A	C	2	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Socket Freezer in store	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L1	Lights kitchen & plant room	A	C	9	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
2/L2	Supply fan kitchen canopy	A	C	11	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L3	Socket Freezer in store	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L1	Lights kitchen canopy	A	C	6	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
3/L2	Extract fan kitchen canopy	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L3	Hot cupboard	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L1	Lights Store far end	A	C	2	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
4/L2	Heating panel boiler room	A	C	1	2.5	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
4/L3	Hot cupboard	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L1	RFC sockets kitchen Island	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
5/L2	Gas valve	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L3	Fridge socket	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L1	Lights & Fan conservatory	A	C	3	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
6/L2	Auto handwash	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L3	Weigh table store room	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
7/L1	RFC Sockets Conservatory	A	C	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L2	RFC sockets plant room & mains room	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	Cooker	G	C	1	6	SWA	0.4	60898 MCB	B	20	10	N/A	2.19

Wiring Code

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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265118 - Master

Board Tests

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

Zs	0.21 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	2.2 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0..26	N/A	N/A	LIM	>200	>200	✓	0.47	N/A	N/A	N/A	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>200	>200	✓	0.46	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.42	N/A	N/A	LIM	>200	>200	✓	0.63	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.27	N/A	N/A	LIM	>200	>200	✓	0.48	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.24	N/A	N/A	LIM	>200	>200	✓	0.45	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>200	>200	✓	0.52	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>200	>200	✓	0.52	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>200	>200	✓	0.50	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.47	N/A	N/A	LIM	>200	>200	✓	0.68	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.28	N/A	N/A	LIM	>200	>200	✓	0.49	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.26	N/A	N/A	LIM	>200	>200	✓	0.47	N/A	N/A	N/A	NO
5/L1	0.31	0.31	0.50	0.23	N/A	N/A	LIM	>200	>200	✓	0.44	N/A	N/A	✓	NO
5/L2	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.23	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.22	N/A	N/A	LIM	>200	>200	✓	0.43	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>200	>200	✓	0.72	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>200	>200	✓	0.50	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>200	>200	✓	0.46	N/A	N/A	N/A	NO
7/L1	0.38	0.38	0.65	0.25	N/A	N/A	LIM	>200	>200	✓	0.46	N/A	N/A	✓	NO
7/L2	0.28	0.28	0.48	0.19	N/A	N/A	LIM	>200	>200	✓	0.40	N/A	N/A	✓	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	N/A	N/A	N/A	0.08	N/A	LIM	LIM	>200	>200	✓	0.29	N/A	N/A	N/A	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	05/09/2018

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Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	1st Floor Flat Dorman Smith	Supply to distribution board is from	SubMains(MDB 1, 1/L3)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 400 V	BS(EN) N/A
		Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
Distribution board designation	DB 13	Type BS(EN)	60898 MCB C	Rating 50 A	RCD Rating N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current $I\Delta n$	
1/L3	Cooker far side	A	C	1	10	4	5	3871 MCB	2	40	3	N/A	0.78
2/L3	Cooker this side	A	C	1	10	4	5	3871 MCB	2	40	3	N/A	0.78
3/L3	RFC sockets this side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
4/L3	RFC sockets far side	A	C	8	2.5	1.5	0.4	3871 MCB	2	30	3	N/A	1.04
5/L3	Power pack	A	C	1	2.5	1.5	0.4	3871 MCB	2	15	3	N/A	2.08
6/L3	Lights this side	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
7/L3	Lights Far side	A	C	7	1.5	1	0.4	3871 MCB	2	10	3	N/A	3.12
8/L3	Fridge socket	A	C	1	2.5	1.5	0.4	3871 MCB	2	20	3	N/A	1.56
9/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265118 - Master

Board Tests

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

Zs	0.28 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	0.85 kA		At 5I Δ n	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	4090022	RCD	4090022
Insulation resistance	4090022	Other	N/A
Continuity	4090022	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

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 n	At 5I Δ n	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L3	N/A	N/A	N/A	0.06	N/A	N/A	LIM	>200	>200	✓	0.34	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.02	N/A	N/A	LIM	>200	>200	✓	0.30	N/A	N/A	N/A	NO
3/L3	0.25	0.25	0.42	0.17	N/A	N/A	LIM	>200	>200	✓	0.45	N/A	N/A	N/A	NO
4/L3	0.41	0.41	0.66	0.27	N/A	N/A	LIM	>200	>200	✓	0.55	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>200	>200	✓	0.38	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>200	>200	✓	0.79	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.74	N/A	N/A	LIM	>200	>200	✓	1.02	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.26	N/A	N/A	LIM	>200	>200	✓	0.54	N/A	N/A	N/A	NO
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Pete Bond	Date of testing	05/09/2018

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Purpose of this report, Continued. from page 1

shall be maintained so as to prevent, so as far reasonably practical such danger. "

Agreed limitations including the reasons, Continued. from page 1

taken at the nearest accessible live point to the origin of the supply.
Where an electrical installation can't be isolated from the supply, the protective and main bonding conductors must NOT be disconnected as under fault conditions the exposed and extraneous conductive parts could be raised to a dangerous level above earth potential.
Circuits not located within a reasonable amount of time designated as " Circuit not found " with limitations of any live testing and R1+R2.
Not every circuit final termination was accessible. Therefore some readings were ascertained at next most practical point in the circuit.
Insulation resistance of circuits was tested in accordance with regulation 612.3.3 on circuits where it was impracticable to disconnect the load.

General condition of the installations (In terms of electrical safety), Continued. from page 1

configuration. Wired from the cut out are the 25 mm csa copper conductors, which feed the main section panel. The main section panel is a Schneider 8w TPNI, with BS60898 MCB's used as over current protection. Wired from the section panel are all the distribution circuits throughout the installation. Ze and Ipf where ascertained from the load side of the main switch within the section panel.

The MET is located in the Electric Cupboard. All conductors have been checked for tightness and have been adequately terminated. The main earth is present here and adequately bonded with a 16mm earthing conductor.
The main water intake is located Boiler room and has been adequately bonded with a 16mm conductor.
The main gas intake is located Boiler Room and has been adequately bonded with a 16mm conductor.

The building is used for commercial purposes and should be subject to an Inspection and Test every 5 years in accordance with table 3.2 in guidance note 3.

The inspection comprised of looking for any breakages in cables. Identifying any wear and tear or deterioration. Identification of any signs of overheating on switch gear. Accessories and wiring systems were inspected to see if there were any missing parts i.e. covers or screws. Where possible any loose connections or fixings have been tightened or re terminated. I can confirm that access to switch gear was adequate. All Distribution Boards and switch gear where inspected and all doors and enclosures where checked to make sure they were secure.

KEY
O = LSF T&E cable
M/W = Metal Work / Mechanical Containment
SWA = Steel Wired Armour
MICC = Mineral insulated copper cable
O/C = Open circuit
LHS = Left Hand Side

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RHS = Right Hand Side
Skts = Socket Outlet
Lts = Lighting
DP = Distribution Panel
BB = Busbar
ISO = Isolator
WC = Toilet
MDP = Main Distribution Panel
SDP = Section Distribution Panel
cct = Circuit
csa = Cross Sectional Area
FP = FP 200 fire tuff cable
RSJ = Rolled Steel Joist
RFC = Ring Final Circuit
VAR= Various

Extent of Electrical Installation covered by this report, Continued. from page 1

final circuits. With a visual inspection within the constraints of the limitations.

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Observations Continued from Page 2

Item No	Description	Code
	Location: DB 12 ccts 11 & 14. Store adj office. Regulation: 514.8.1	
3	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 12, Store adj Office. Regulation 514.9.1	C3
4	Observation: Additional protection by means of an RCD shall be provided for sockets with a rated current not exceeding 20A for all installations. Location: DB 12, cct 3. Store adj Office. Regulation: 411.3.3	C3
5	Observation: RCD protection shall be provided for socket outlets that could potentially be used to supply portable appliances outside. Location: DB 12, ccts 1, 2, 4, 5. Store adj Office Regulation: 411.3.3 (ii)	C2
6	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 11, Store Green Wing. Regulation 514.9.1	C3
7	Observation: All untraced circuits must have their circuit designations verified. Location: DB 11 cct 3, Store adj office. Regulation: 514.8.1	FI
8	Observation: RCD protection shall be provided for socket outlets that could potentially be used to supply portable appliances outside. Location: DB 11, ccts 1. Store green wing Regulation: 411.3.3 (ii)	C2
9	Observation:Poor lighting to DB area. Good workmanship and materials should be used. Location: DB 11. Store green wing Regulation: 133.1.1	C3
10	Observation: All untraced circuits must have their circuit designations verified.	FI

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

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Observations Continued from Page 2

Item No	Description	Code
	Location: DB 10 cct 2, 3, Store Blue Wing. Regulation: 514.8.1	
11	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 10, Store Blue Wing. Regulation 514.9.1	C3
12	Observation: RCD protection shall be provided for socket outlets that could potentially be used to supply portable appliances outside. Location: DB 10, ccts 1,2,3,4,15. Store Blue wing Regulation: 411.3.3 (ii)	C2
13	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 9, Store Red Wing. Regulation 514.9.1	C3
14	Observation: RCD protection shall be provided for socket outlets that could potentially be used to supply portable appliances outside. Location: DB 9, ccts 8,9,10,14,15. Store Red wing Regulation: 411.3.3 (ii)	C2
15	Observation: RCD protection shall be provided for socket outlets that could potentially be used to supply portable appliances outside. Location: DB 8, ccts 8,9,10,14,15. Store Yellow wing Regulation: 411.3.3 (ii)	C2
16	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 8, Store Yellow Wing.	C3
17	Observation: All untraced circuits must have their circuit designations verified. Location: DB 8 ccts 4,12, Store Blue Wing. Regulation: 514.8.1	FI

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

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Observations Continued from Page 2

Item No	Description	Code
18	Observation: DB 4. has no main isolator installed. Location: Laundry. Regulation: 132.15.2	C2
19	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 4, Laundry.	C3
20	Observation: Cables which have been left disconnected inside the DB, should be terminated in a suitable accessory or removed to prevent them from being inadvertently energized. Location: DB 4. Laundry. Regulation: 537.2.1.2	C3
21	Observation: There is no earth bar inside the distribution board. CPC's of final circuits are terminated to a common bolt and could potentially come loose. Location: DB 4, Laundry. Regulation: 543.2.2 (iii)	C3
22	Observation: There are no flying leads from SWA earth rings to the earth bar of the distribution board. Earth continuity is electrically sound. Location: DB 4, Laundry. Regulation: 543.2.7	C3
23	Observation: There are no flying leads from SWA earth rings to the earth bar of the distribution board. Earth continuity is electrically sound. Location: DB 1 Mains Cupboard. Regulation: 543.2.7	C3
24	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 1, Mains Cupboard.	C3
25	Observation: No IP4X protection (>1mm hole) on the top surface of the trunking. Location: Below DB 1, Mains Cupboard. Regulation: 416.2.2	C2
26	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in	N/A

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

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Observations Continued from Page 2

Item No	Description	Code
	the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: DB 7, 1st Floor flat.	
27	Observation: Additional protection by means of an RCD shall be provided for sockets with a rated current not exceeding 20A for all installations. Location: DB 7, cct 3, 4. 1st Floor Flat. Regulation: 411.3.3	C3
28	Observation: All untraced circuits must have their circuit designations verified. Location: MDB 1 ccts 3L2, 3L3, Mains Cupboard. Regulation: 514.8.1	FI
29	Observation: detailed legible diagram, chart or table or equivalent form of information has not been provided in the vicinity of the distribution board indicating type and composition of circuits as well as other relevant information. Location: MDB 1, Mains Cupboard. Regulation 514.9.1	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

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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 FI) 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.

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