ELECTRICAL INSTALLATION CONDITION REPORT

268431 - 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: 24/09/2018

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

Installation: Beechcroft HOP

Occupier: Derbyshire County Council

Address:
Nursery Avenue
West Hallam
Derbyshire
DE7 6JB

Description of premises:

Domestic	Commercial	Industrial
N/A	✓	N/A

Other: N/A

Estimated age of wiring system: 10 yrs

Evidence of alterations or additions: N/A

If yes estimated Age: N/A yrs

Record of Installation available: N/A

Records held By: N/A

Date of previous inspection: Not Known

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: Kay Warrington

Operational Limitations including the reasons (See page No 19)
Critical equipment could not be switched off in agreement with the Client/Site supervisor.Areas where circuits or accessories were
--See Additional Page--

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 meter cupboard in corridor. This a three phase four wire system with TNC-S configuration.
--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 24/09/2023

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	Position	Signature	Date
Scott Lester	Electrical Test Engineer		24/09/2018

Report authorised for issue by:

Name	Position	Signature	Date
Rob Walsh	Qualified Supervisor		24/09/2018

H. Schedule(s)

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

7 Schedule(s) of inspection and 7 Schedule(s) of test results are attached

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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)	2.82	kA
External loop impedance	Ze (2)	0.16	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	25	mm^2	Connection and Continuity Verified ✓
Main protective bonding conductors	Material	Copper	csa	10	mm^2	Connection and Continuity Verified LIM

Bonding of Incoming Service

Water installation pipes ✓ Gas installation pipes ✓ Structural Steel N/A Lightning protection N/A

Oil installation pipes N/A

Other incoming service(s) N/A Please State N/A

Maximum Demand (Load) N/A **Amps**

Protective measure(s) against electric shock ADS

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

Location	Meter cupboard in corridor	Current rating	250 A	**if RCD main switch**	
Type BS(EN)	60947-2 MCCB	Fuse/Device rating or setting	250 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	35 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: Redundant accessories /cable should be removed from the installation.	C3
	Location/DB ref/Cct: Meter cupboard	
	Regulation 526.5	
2	Observation: Multiple circuits in the over current protective device.	C3
	Location/DB ref/Cct: Meter cupboard in corridor/DB Main Panel/Cct 5L1	
	--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	3
C3 - Improvement recommended	17
FI - Further investigation required without delay	3

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	Meter cupboard in corridor Hager	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
		Overcurrent protective device for the distribution circuit		RCD No of Poles	N/A
Distribution board designation	DB Main Panel	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
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current Δ_n	Ω
1/L1	Sub Mains(DB Willow)	G	C	1	16	16	5	60947-2 MCCB		50	16	N/A	LIM
1/L2	Sub Mains(DB Cedar)	G	C	1	16	16	5	60947-2 MCCB		50	16	N/A	LIM
1/L3	Sub Mains(DB Sycamore)	G	C	1	16	16	5	60947-2 MCCB		50	16	N/A	LIM
2/TP	Sub Mains(DB Kitchen)	G	C	1	16	SWA	5	60947-2 MCCB		63	16	N/A	LIM
3/TP	Sub Mains(DB Laundry)	G	C	1	16	SWA	5	60947-2 MCCB		63	16	N/A	LIM
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Fire alarm & Door access PSU	O	C	1	2x2.5	2x2.5	0.4	60947-2 MCCB		16	16	N/A	LIM
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	Sub Mains(DB A)	D	B	1	25	25	5	60947-2 MCCB		80	16	N/A	LIM
8/TP	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

268431 - 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	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 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	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.22	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.25	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.24	N/A	N/A	N/A	NO
2/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	✓	0.18	N/A	N/A	N/A	NO
3/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	✓	0.21	N/A	N/A	N/A	NO
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	LIM	N/A	N/A	LIM	LIM	LIM		LIM	N/A	N/A	N/A	YES
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	✓	0.16	N/A	N/A	N/A	NO
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

268431 - Master

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	Linen Store Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 1/L1)	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 230 V	BS(EN) N/A
Distribution board designation	DB Willow	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	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 Δn	Ω
1/L1	Lighting corridor pelmets	A	B	12	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L1	Lighting corridor main	A	B	12	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/L1	Solo bath	A	B	1	2x1.5	2x1	0.4	60898 MCB	B	6	10	30	7.28
4/L1	Boiler panel	A	B	1	4	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
5/L1	RFC sockets rooms 41-44 & corridor	A	B	18	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
6/L1	RFC sockets rooms 45-47, 32-34	A	B	30	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
7/L1	RFC sockets sitting room	A	B	8	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
8/L1	RFC sockets kitchen & sluice	A	B	10	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
9/L1	RFC sockets rooms 36-40 & corridor	A	B	26	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
10/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	FCU fan heater sitting room	A	B	1	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
13/L1	Lighitng rooms 45-47, 32-34 & linen	A	B	12	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
14/L1	Lighting boiler room	A	B	5	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
15/L1	Lighting room 41-44, kitchen & bathroom	A	B	12	1.5	1	0.4	61009 RCD/RCBO	C	6	10	30	3.64
16/L1	Lighitng sluice, 45 & WC	A	B	13	1.5	1	0.4	61009 RCD/RCBO	C	6	10	30	3.64
17/L1	Lighting sitting room	A	B	8	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
18/L1	Lighting WC adjacent & corridor	A	B	5	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
19/L1	Lighting room 36-40 & sitting room	A	B	11	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
20/L1	FCU battery charger	A	B	1	1.5	1	0.4	60898 MCB	B	16	10	N/A	2.73
21/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
22/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
23/L1	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

268431 - Master

Board Tests

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

Zs	0.22 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	2.06 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	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 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	0.85	N/A	N/A	LIM	>999	>999	✓	1.08	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.50	N/A	N/A	LIM	>999	>999	✓	0.74	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	✓	0.33	29.1	19.2	✓	NO
4/L1	N/A	N/A	N/A	0.28	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
5/L1	0.75	0.74	1.29	0.88	N/A	N/A	LIM	>999	>999	✓	1.02	N/A	N/A	N/A	NO
6/L1	0.76	0.75	1.55	0.50	N/A	N/A	LIM	>999	>999	✓	0.59	N/A	N/A	N/A	NO
7/L1	0.55	0.55	0.92	0.60	N/A	N/A	LIM	>999	>999	✓	0.66	N/A	N/A	N/A	NO
8/L1	0.39	0.37	0.62	0.44	N/A	N/A	LIM	>999	>999	✓	0.55	29.8	17.9	✓	NO
9/L1	0.81	0.80	1.55	0.56	N/A	N/A	LIM	>999	>999	✓	0.63	N/A	N/A	N/A	NO
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	✓	0.66	N/A	N/A	N/A	NO
13/L1	N/A	N/A	N/A	1.01	N/A	N/A	LIM	>999	>999	✓	1.22	N/A	N/A	N/A	NO
14/L1	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	✓	0.56	N/A	N/A	N/A	NO
15/L1	N/A	N/A	N/A	0.56	N/A	N/A	LIM	>999	>999	✓	0.77	28.1	15.7	✓	NO
16/L1	N/A	N/A	N/A	0.53	N/A	N/A	LIM	>999	>999	✓	0.78	39.8	18.6	✓	NO
17/L1	N/A	N/A	N/A	0.53	N/A	N/A	LIM	>999	>999	✓	0.75	N/A	N/A	N/A	NO
18/L1	N/A	N/A	N/A	0.60	N/A	N/A	LIM	>999	>999	✓	0.83	N/A	N/A	N/A	NO
19/L1	N/A	N/A	N/A	0.69	N/A	N/A	LIM	>999	>999	✓	0.91	N/A	N/A	N/A	NO
20/L1	N/A	N/A	N/A	0.03	N/A	N/A	LIM	>999	>999	✓	0.25	N/A	N/A	N/A	NO
21/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	Linen Cupboard Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 1/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 Cedar	Type BS(EN)	60947-2 MCCB	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 Δ_n	
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Boiler panel	A	B	1	4	1.5	0.4	60898 MCB	B	16	32	N/A	32
3/L2	RFC sockets room 10-13 & corridor	A	B	18	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
4/L2	RFC sockets room 1-4, 14-16 & corridor	A	B	30	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
5/L2	RFC sockets dining room	A	B	12	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
6/L2	RFC sockets room 4-9 & corridor	A	B	26	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
7/L2	Untraced circuit	A	B	LIM	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
8/L2	Lighting shower room, kitchen & rooms 10-13	A	B	10	1.5	1	0.4	61009 RCD/RCBO	C	6	10	30	3.64
9/L2	Lighting rooms 1-3, 14-16 & linen	A	B	13	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
10/L2	Lighting corridor pelmets	A	B	12	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
11/L2	Lighting corridor main	A	B	13	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
12/L2	Lighting corridor, WC far end	A	B	9	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
13/L2	RFC sockets kitchen & corridoor	A	B	5	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
14/L2	FCU fan heater dining room	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
15/L2	Lighting room 4-9, sluice & WC	A	B	17	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
16/L2	Lighting dining room	A	B	10	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
17/L2	Lightign dining room pelmet	A	B	8	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
18/L2	FCY battery charger	A	B	1	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
19/L2	Sockets linen room	O	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
20/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
21/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
22/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
23/L2	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Board Tests

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

Zs	0.25 Ω	Operating times of associated RCD (if any)	At I Δn	N/A	ms
Ipf	1.84 kA		At 5I Δn	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 Δn	At 5I Δn	Test button operation	
	r1 (Line)	rn (Neutral)	r2 (cpc)	(R1 + R2)	(R2)	MΩ	MΩ	MΩ	MΩ		Ω	ms	ms		
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.24	N/A	N/A	LIM	>999	>999	✓	0.47	N/A	N/A	N/A	NO
3/L2	0.59	0.55	0.80	0.53	N/A	N/A	LIM	>999	>999	✓	0.66	N/A	N/A	N/A	NO
4/L2	0.85	0.83	1.55	0.52	N/A	N/A	LIM	>999	>999	✓	0.59	N/A	N/A	N/A	NO
5/L2	0.44	0.42	0.75	0.39	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
6/L2	0.88	0.86	1.38	0.40	N/A	N/A	LIM	>999	>999	✓	0.47	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>999	>999		LIM	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.57	N/A	N/A	LIM	>999	>999	✓	0.82	48.4	22.8	✓	NO
9/L2	N/A	N/A	N/A	0.88	N/A	N/A	LIM	>999	>999	✓	1.10	N/A	N/A	N/A	NO
10/L2	N/A	N/A	N/A	0.61	N/A	N/A	LIM	>999	>999	✓	0.85	N/A	N/A	N/A	NO
11/L2	N/A	N/A	N/A	0.28	N/A	N/A	LIM	>999	>999	✓	0.52	N/A	N/A	N/A	NO
12/L2	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>999	>999	✓	0.77	N/A	N/A	N/A	NO
13/L2	0.30	0.29	0.43	0.45	N/A	N/A	LIM	>999	>999	✓	0.52	39.4	16.5	✓	NO
14/L2	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
15/L2	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>999	>999	✓	0.88	N/A	N/A	N/A	NO
16/L2	N/A	N/A	N/A	0.70	N/A	N/A	LIM	>999	>999	✓	0.95	N/A	N/A	N/A	NO
17/L2	N/A	N/A	N/A	0.58	N/A	N/A	LIM	>999	>999	✓	0.82	N/A	N/A	N/A	NO
18/L2	N/A	N/A	N/A	0.03	N/A	N/A	LIM	>999	>999	✓	0.27	N/A	N/A	N/A	NO
19/L2	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>999	>999	✓	0.30	N/A	N/A	N/A	YES
20/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	Linen Store Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 1/L3)	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 Sycamore	Type BS(EN)	60947-2 MCCB	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 Δ_n	Ω
1/L3	Lighting corridor pelmets	A	B	12	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L3	Lighting corridor main	A	B	13	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/L3	Lighting corridor, WC's far end	A	B	8	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
4/L3	Lighting rooms 17, 18. 30, 31 & bathroom	A	B	10	1.5	1	0.4	61009 RCD/RCBO	C	6	10	30	3.64
5/L3	Lighting kitchen & room 24-29	A	B	13	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
6/L3	Lighting rooms 19-23	A	B	10	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
7/L3	Lighting sitting room pelmet	A	B	8	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
8/L3	Lighting linen & sluice	A	B	2	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
9/L3	Lighting sitting room	A	B	9	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
10/L3	Boiler panel	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
13/L3	RFC sockets room 24-29 & corridor	A	B	13	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
14/L3	RFC sockets 30,31,17, 18 & corridor	A	B	10	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
15/L3	RFC sockets rooms 19-23 & corridor	A	B	15	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
16/L3	RFC sockets sitting room	A	B	4	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
17/L3	FCU fan heater	A	B	1	2.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
18/L3	Battery charger	A	B	1	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
19/L3	Untraced circuit	A	B	LIM	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
20/L3	Bath supply	A	B	1	2.5	1..5	0.4	61009 RCD/RCBO	C	6	10	30	3.64
21/L3	Shower	A	B	1	10	4	5	61009 RCD/RCBO	C	40	10	30	0.55
22/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
23/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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Board Tests

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

Zs	0.24 Ω	Operating times of associated RCD (if any)	At I Δn	N/A	ms
Ipf	1.74 kA		At 5I Δn	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω: Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Insulation resistance				Polarity	Maximum measured earth fault loop impedance	RCD operating times			Remarks see continuation sheet
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ		Ω	At Δn ms	At 5I Δn ms	Test button operation	
1/L3	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>999	>999	✓	0.90	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.83	N/A	N/A	LIM	>999	>999	✓	1.07	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.95	N/A	N/A	LIM	>999	>999	✓	1.17	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.92	N/A	N/A	LIM	>999	>999	✓	1.19	39.7	15.7	✓	NO
5/L3	N/A	N/A	N/A	0.71	N/A	N/A	LIM	>999	>999	✓	0.98	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	✓	0.55	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.38	N/A	N/A	LIM	>999	>999	✓	0.63	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	✓	0.71	N/A	N/A	N/A	NO
9/L3	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>999	>999	✓	0.55	N/A	N/A	N/A	NO
10/L3	N/A	N/A	N/A	0.18	N/A	N/A	LIM	>999	>999	✓	0.42	N/A	N/A	N/A	NO
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/L3	0.89	0.88	1.56	0.51	N/A	N/A	LIM	>999	>999	✓	0.42	33.4	15.2	✓	NO
14/L3	0.92	0.90	1.52	0.44	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
15/L3	0.85	0.82	1.50	0.45	N/A	N/A	LIM	>999	>999	✓	0.51	N/A	N/A	N/A	NO
16/L3	0.40	0.35	0.65	0.28	N/A	N/A	LIM	>999	>999	✓	0.36	N/A	N/A	N/A	NO
17/L3	N/A	N/A	N/A	0.23	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
18/L3	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>999	>999	✓	0.29	N/A	N/A	N/A	NO
19/L3	N/A	N/A	N/A	LIM	N/A	N/A	LIM	>999	>999		LIM	N/A	N/A	N/A	NO
20/L3	N/A	N/A	N/A	0.15	N/A	N/A	LIM	>999	>999	✓	0.38	29.7	16.0	✓	NO
21/L3	N/A	N/A	N/A	0.06	N/A	N/A	LIM	>999	>999	✓	0.29	38.1	15.5	✓	NO
22/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

268431 - Master

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	Kitchen Stores Crabtree	Supply to distribution board is from	SubMains(DB Main Panel, 2/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) 4293 RCD
Distribution board designation	DB Kitchen	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN) 60947-2 MCCB	Rating 63 A		RCD Rating 30 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 Δ_n	
1/L1	FCU grill	A	B	1	4	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
1/L2	Cater sense control panel	A	B	1	4	1.5	0.4	3871 MCB	2	30	10	30	1.04
1/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	Dishwasher	F	C	1	4	1.5	0.4	3871 MCB	2	30	10	N/A	1.04
3/L1	Potato peeler	D	B	1	2.5	1.5	0.4	3871 MCB	2	10	10	N/A	3.12
3/L2	Sockets kitchen near door	A	B	1	2.5	1.5	0.4	3871 MCB	2	15	10	N/A	2.08
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	RFC sockets kitchen	A	B	12	2x2.5	2x1.5	0.4	3871 MCB	2	30	10	N/A	1.04
4/L2	RFC sockets island	A	B	6	2x2.5	2x1.5	0.4	3871 MCB	2	30	10	N/A	1.04
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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

268431 - Master

Board Tests

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

Zs	0.18 Ω	Operating times of associated RCD (if any)	At I Δ n	37.9	ms
Ipf	1.88 kA		At 5I Δ n	22.1	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 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	0.18	N/A	N/A	LIM	>999	>999	✓	0.35	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.19	N/A	N/A	LIM	>999	>999	✓	0.39	33.0	17.2	✓	NO
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	N/A	N/A	N/A	0.26	N/A	>999	LIM	>999	>999	✓	0.44	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>999	>999	✓	0.45	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	✓	0.29	N/A	N/A	N/A	NO
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	0.45	0.45	0.85	0.35	N/A	N/A	LIM	>999	>999	✓	0.46	N/A	N/A	N/A	NO
4/L2	0.51	0.51	0.93	0.33	N/A	N/A	LIM	>999	>999	✓	0.42	N/A	N/A	N/A	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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 Room Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 3/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB Laundry	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	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 Δn	Ω
1/TP	Dryer No 1	D	B	1	6	4	0.4	60898 MCB	B	32	10	N/A	1.37
2/L1	Dryer No 2	D	B	1	6	4	0.4	60898 MCB	B	32	10	N/A	1.37
2/L2	Sockets laundry	A	B	1	4	1.5	0.4	61009 RCD/RCBO	C	16	10	30	1.37
2/L3	FCU extract fans	A	B	1	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	Washer No 1	D	B	1	6	6	0.4	60898 MCB	B	32	10	N/A	1.37
5/TP	Washer No 2	D	B	1	6	6	0.4	60898 MCB	B	16	10	N/A	2.73
6/TP	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	2.22 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	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 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	>999	LIM	>999	>999	✓	0.26	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>999	>999	✓	0.24	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	✓	0.29	28.1	15.2	✓	NO
2/L3	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>999	>999	✓	0.26	N/A	N/A	N/A	NO
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	N/A	N/A	N/A	0.05	N/A	>999	LIM	>999	>999	✓	0.24	N/A	N/A	N/A	NO
5/TP	N/A	N/A	N/A	0.04	N/A	>999	LIM	>999	>999	✓	0.23	N/A	N/A	N/A	NO
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	Meter cupboard in corridor Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 7/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB A	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	Rating 80 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 Δ_n	Ω
1/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	Lighting laundry	A	B	6	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
1/L3	Lighting corridor far & TV room	A	B	9	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L1	Lighting kitchen	A	B	8	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L2	Lighting main area	A	B	4	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L3	Lighting WC & fan store	A	B	5	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/L1	RFC sockets laundry, fridges kitchen	A	B	3	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L2	Lighting main area & entrance lobby	A	B	6	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/L3	Lighting corridor, locker & staff room	A	B	6	2x1.5	2x1	0.4	60898 MCB	B	6	10	N/A	7.28
4/L1	FCU locker room inceierator	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
4/L2	Lighting TV room RHS	A	B	6	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
4/L3	RFC sockets TV room & corridor	A	B	8	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	FCU heater kitchen	A	B	1	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
7/L2	RFC sockets main area, TV room middle RHS	A	B	14	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L3	RFC sockets offices & Server	A	B	LIM	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
8/L1	FCU heater TV room LHS	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	RFC sockets staff room & corridor	A	B	8	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68

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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Board Tests

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

Zs	0.16 Ω	Operating times of associated RCD (if any)	At I Δn	N/A	ms
Ipf	2.82 kA		At 5I Δn	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		N/A	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω: Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Insulation resistance				polarity	Maximum measured earth fault loop impedance	RCD operating times			Remarks see continuation sheet
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ		Ω	At Δn ms	At 5I Δn ms	Test button operation	
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>999	>999	✓	0.81	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.80	N/A	N/A	LIM	>999	>999	✓	0.95	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.44	N/A	N/A	LIM	>999	>999	✓	0.61	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.42	N/A	N/A	LIM	>999	>999	✓	0.59	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>999	>999	✓	0.68	N/A	N/A	N/A	NO
3/L1	0.55	0.54	0.92	0.35	N/A	N/A	LIM	>999	>999	✓	0.42	29.1	15.6	✓	NO
3/L2	N/A	N/A	N/A	0.52	N/A	N/A	LIM	>999	>999	✓	0.69	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>999	>999	✓	0.78	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.35	N/A	N/A	LIM	>999	>999	✓	0.48	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.66	N/A	N/A	LIM	>999	>999	✓	0.91	N/A	N/A	N/A	NO
4/L3	0.66	0.64	1.06	0.30	N/A	N/A	LIM	>999	>999	✓	0.36	22.1	16.1		NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	✓	0.48	N/A	N/A	N/A	NO
7/L2	0.40	0.42	0.75	0.16	N/A	N/A	LIM	>999	>999	✓	0.33	28.9	15.1	✓	NO
7/L3	LIM	LIM	LIM	LIM	N/A	N/A	LIM	LIM	LIM	✓	0.29	LIM	LIM	LIM	NO
8/L1	N/A	N/A	N/A	0.23	N/A	N/A	LIM	>999	>999	✓	0.41	N/A	N/A	N/A	NO
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	0.40	0.42	0.59	0.28	N/A	N/A	LIM	>999	>999	✓	0.38	33.1	15.4	✓	NO

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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	Meter cupboard in corridor Merlin Gerin	Supply to distribution board is from	SubMains(DB Main Panel, 7/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB A	Overcurrent protective device for the distribution circuit			RCD No of Poles N/A
		Type BS(EN)	60947-2 MCCB	Rating 80 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
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current Δ_n	Ω
9/L1	Boiler panel	A	B	1	4	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
9/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	FCU heater main entrance	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L1	FCU heater main area LHS	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L2	FCU heater main area RHS	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Board Tests

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

Zs	0.16 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	2.82 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	101674482	RCD	101674482
Insulation resistance	101674482	Other	N/A
Continuity	101674482	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 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		
9/L1	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	✓	0.26	N/A	N/A	N/A	NO
9/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	N/A	N/A	N/A	0.28	N/A	N/A	LIM	>999	>999	✓	0.44	N/A	N/A	N/A	NO
10/L1	N/A	N/A	N/A	0.34	N/A	N/A	LIM	>999	>999	✓	0.51	N/A	N/A	N/A	NO
10/L2	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	✓	0.49	N/A	N/A	N/A	NO
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Electrical Test Engineer
Name	Scott Lester	Date of testing	24/09/2018

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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.

Operational Limitations including the reasons, Continued. from page 1

not accessible due to furniture, mechanical plant, stock etc. have not been inspected/tested.
Testing of circuits has been carried out up to the point of isolation.
Cables concealed within trunking, conduit, under some floors, & within the fabric of the building have not been visually inspected.
Accessories & equipment at height over 3m have been visually inspected & insulation resisted tested only.
Due to inability to isolate some circuits and not all circuit terminations being accessible number of points may not be entirely accurate.

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

Wired from the cut out are the35 mm csa copper conductors, which feed the main section panel. The main section panel is a 8 way Hager, with MCCB'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 meter cupboard in corridor. All conductors have been checked for tightness and have been adequately terminated. The main earth is present here and adequately bonded with a 25mm earthing conductor. The main water intake is located in the kitchen although i have been unable to verify the bonding connection to the water service.The main gas intake is located in the kitchen and has been adequately bonded with a 10mm 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.

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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

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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Observations Continued from Page 2

Item No	Description	Code
	1	
	Regulation 314.4 & 521.8.2	
3	Observation: Cracked light switch faceplate in laundry room.	C2
	Location/DB ref/Cct: Meter cupboard in corridor/DB A/Cct 1L2	
	Regulation 416.2	
4	Observation: Screws missing from corridor lighti switch, accessory still secure.	C3
	Location/DB ref/Cct:Meter cupboard in corridor/DB A/Cct 1L3	
	Regulation 416.2.3	
5	Observation: Cracked socket bax box in corridor.	C2
	Location/DB ref/Cct: Meter cupboard in corridor/DB A/Cct 8L3	
	Regulation 416.2	
6	Observation: No discrimination between 30mA RCD main Switch & 30mA RCD covering cct 1L2	C3
	Location/DB ref/Cct: Kitchen Store/DB Kitchen/Cct 1L2	
	Regulation 531.2.9	
7	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Cedar/Cct 3L2	C3
	Regulation 411.3.3	
8	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Cedar/Cct 4L2	C3
	Regulation 411.3.3	
9	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Cedar/Cct 5L2	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Observations Continued from Page 2

Item No	Description	Code
	Regulation 411.3.3	
10	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Cedar/Cct 6L2	C3
	Regulation 411.3.3	
11	Observation: All untraced circuits must have their circuit designations verified. Location/DB ref/Cct: Linen Store/DB Cedar/Cct 7L2	FI
	Regulation 514.8.1	
12	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Cedar/Cct 19L2	C3
	Regulation 411.3.3	
13	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Willow/Cct 5L1	C3
	Regulation 411.3.3	
14	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Willow/Cct 6L1	C3
	Regulation 411.3.3	
15	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Observations Continued from Page 2

Item No	Description	Code
	negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Willow/Cct 7L1 Regulation 411.3.3	
16	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Willow/Cct 9L1 Regulation 411.3.3	C3
17	Observation: Over rated over current protective device in relation to the current carrying capacity of the connected cables. 4mm T+E cable protected by 32A MCB Location/DB ref/Cct: Linen Store/DB Willow/Cct 4L1 Regulation 433.1.1	C2
18	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Sycamore/Cct 14L3 Regulation 411.3.3	C3
19	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Sycamore/Cct 15L3 Regulation 411.3.3	C3
20	Observation: There is no additional RCD protection for circuits supplying socket outlets not exceeding 20A . It is recommended that 30mA RCD,s are installed to provide additional protection or socket outlets are suitably labelled /otherwise suitably identified for connection of particular items of equipment. This requirement can be negated for non-domestic dwellings provided that a documented risk assessment determines that RCD protection is not necessary . Location/DB ref/Cct: Linen Store/DB Sycamore/Cct 16L3 Regulation 411.3.3	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

Observations Continued from Page 2

Item No	Description	Code
21	Observation: All untraced circuits must have their circuit designations verified. Location/DB ref/Cct: Linen Store/DB Sycamore/Cct 19L3 Regulation 514.8.1	FI
22	Observation: The main protective bonding conductor to the Gas service is not within 600mm of the point of entry. Location/DB ref/Cct: Gas service in kitchen Regulation 544.1.2	C3
23	Observation: Unable to locate and verify the Main Protective Bonding Conductor is present at the main incoming water service. Location/DB ref/Cct: Water stop tap in kitchen. Regulation 411.3.1.2	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

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

DB Main Panel, 5/L1, Fire alarm & Door access PSU - Remarks

O Cable Type = FP200

DB Cedar, 19/L2, Sockets linen room - Remarks

O Cable Type = FP200

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd

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.

Copyright © Amtech Group Ltd 2016, FastTest v2016.1.3, Lantei Ltd