ELECTRICAL INSTALLATION CONDITION REPORT

265104 - 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: 05/09/2018

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

Installation: Goyt Valley House HOP

Occupier: Derbyshire County Council

Address:
Goyt Valley House HOP
Jubilee Street
New Mills
Derbyshire SK22 4PA

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

Other: N/A

Estimated age of wiring system: 35 yrs

Evidence of alterations or additions: ✓ If yes estimated Age 5 yrs

Record of Installation available: N/A Records held By: N/A Date of previous inspection: 15/05/2014

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
A fixed wire test of all lighting and power final circuits. With a
--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: Site Manager

Operational Limitations including the reasons (See page No 34)
Unable to completely isolate the entire installation due to operational use.
--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 in this installation is located in the main switch room
--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 05/09/2023

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: Martin Fearnside Position: Fixed Wire Test Engine Signature: M Fearnside Date: 06/09/2018

Report authorised for issue by:

Name: Rob Walsh Position: Electrical Test Engineer Signature: Date: 06/09/2018

H. Schedule(s)

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

Page(s): 8 - 32 (even) Schedule(s) of inspection and 9 - 33 (odd) 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	✓	a.c.	✓			d.c.	N/A
TN-C-S	N/A	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)	N/A	V
Nominal Voltage	U_0 (1)	230	V
Nominal frequency	f (1)	50	Hz
Prospective fault current	Ipf (2)	1.95	kA
External loop impedance	Ze (2)	0.25	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	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) 100 **Amps**

Protective measure(s) against electric shock ADS

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

Location	Main Switch Room	Current rating	100	A	**if RCD main switch**
		Fuse/Device rating or setting	N/A	A	Rated residual operation current, Δn: N/A mA
Type BS(EN)	5419 Isolator	No of poles	3		Rated time delay: N/A ms
Supply Conductors material	Copper	Voltage rating	400	V	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: Could not verify the earth connection to the main incoming water pipe as the main isolating valve	FI
	could not be found.	
	Location: Unknown location	
	Regulation : 411.3.1. 2	
2	Observation: It is assumed that the cables that are concealed within the wall are less than 50 mm deep and	C3
	--Observations continue on continuation sheet(s)--	

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

C1 - Danger present. Risk of injury. Immediate remedial action required	0
C2 - Potentially dangerous - urgent remedial action required	1
C3 - Improvement recommended	53
FI - Further investigation required without delay	6

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CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY

265104 - Master

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

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
1.0	**Condition/Adequacy of distributor's/supply intake equipment**		
1.1	Service cable	N/A	No
1.2	Service head	N/A	No
1.3	Distributor's earthing arrangement(s)	N/A	No
1.4	Meter tails - Distributor/Consumer	N/A	No
1.5	Metering equipment	N/A	No
1.6	Means of main isolation (where present)	N/A	No
2.0	**Presence of adequate arrangements for other sources** (microgenerators etc)		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	No
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A	No
3.0	**Earthing and bonding arrangements**		
3.1	Presence and condition of distributor's earthing arrangement	N/A	No
3.2	Presence and condition of earth electrode connection	N/A	No
3.3	Confirmation of adequate earthing conductor size	N/A	No
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	N/A	No
3.5	Confirmation of adequate main protective bonding conductor sizes	N/A	No
3.6	Accessibility and condition of main protective bonding conductor connections	N/A	No
3.7	Accessibility and condition of other protective bonding connections	N/A	No
3.8	Provision of earthing and bonding labels at all appropriate locations	N/A	No
4.0	**Consumer unit(s)**		
4.1	Adequency of working space or access to consumer unit	N/A	No
4.2	Security of fixing	N/A	No
4.3	Condition of enclosure(s) in terms of IP rating	N/A	No
4.4	Condition of enclosure(s) in terms of fire rating	N/A	No
4.5	Enclosure not damaged/dereriorated so as to impair safety	N/A	No
4.6	Presence of linked main switch	N/A	No
4.7	Operation of main switch (functional check)	N/A	No
4.8	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	N/A	No
4.9	Correct identification of circuits and protective devices	N/A	No
4.10	Presence of RCD test notice at or near consumer unit	N/A	No
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	N/A	No
4.12	Presence of alternative or additional supply warning notice at or near consumer unit	N/A	No
4.13	Presence of replacement next inspection recommendation label	N/A	No
4.14	Presence of other required labelling (please specify)	N/A	No
4.15	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	N/A	No
4.16	Single-pole switching or protective devices in the line conductors only	N/A	No
4.17	Protection against mechanical damage where cables enter consumer unit	N/A	No
4.18	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	N/A	No
4.19	RCDs provided for fault protection - includes RCBOs	N/A	No
4.20	RCDs provided for additional protection - includes RCBOs	N/A	No
4.21	Confirmation of indication that SPD is functional	N/A	No
4.22	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	N/A	No
5.0	**Distribution/final circuits**		
5.1	Identification of conductors	N/A	No
5.2	Cables correctly supported throughout their length	N/A	No
5.3	Condition of insulation of live parts	N/A	No

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

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
5.0	**Final circuits (Continued)**		
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	N/A	No
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	N/A	No
5.6	Adequacy of protective devices; type and rated current for fault protection	N/A	No
5.7	Presence and adequacy of circuit protective conductors	N/A	No
5.8	Co-ordination between conductors and overload protective devices	N/A	No
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	N/A	No
5.10	**Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage**		
5.10.1	Installed in prescribed zones (see Section D. Extent and limitations)	N/A	No
5.10.2	Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like. (see Section D. Extent and limitations)	N/A	No
5.11	**Provision of additional protection by RCD not exceeding 30mA**		
5.11.1	for all socket-outlets not exceeding 20 A rating unless exempt	N/A	No
5.11.2	for mobile equipment not exceeding a rating of 32 A for use outdoors	N/A	No
5.11.3	for cables installed in walls or partitions at a depth of less than 50 mm	N/A	No
5.11.4	for cables installed in walls / partitions containing metal parts regardless of depth	N/A	No
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	N/A	No
5.13	Band II cables segregated/separated from Band I cables	N/A	No
5.14	Cables segregated/separated from communications cabling	N/A	No
5.15	Cables segregated/separted from non-electrical services	N/A	No
5.16	**Termination of cables at enclosures (extent of sampling indicated in Section D of the report)**		
5.16.1	Connections soundly made and under no undue strain	N/A	No
5.16.2	No basic insulation of a conductor visible outside enclosures	N/A	No
5.16.3	Connections of live conductors adequately enclosed	N/A	No
5.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.)	N/A	No
5.17	Condition of accessories including socket-outlets, switches and joint boxes	N/A	No
5.18	Suitability of accessories for external influences	N/A	No
5.19	Adequacy of working space / accessibility to equipment	N/A	No
5.20	Single-pole devices for switching or protection in line conductors only	N/A	No
6.0	**Isolation and switching (isolation, switching off for mechanical maintenance and functional switching)**		
6.1	**In general**		
6.1.1	presence and condition of appropriate devices	N/A	No
6.1.2	correct operation verified	N/A	No
6.2	**For isolation and switching for mechanical maintenance only**		
6.2.1	capable of being secured in the OFF position where appropriate	N/A	No
6.2.2	acceptable location - state if local or remote from equipment being controlled where appropriate	N/A	No
6.2.3	clearly identified by position and/or durable marking(s)	N/A	No
6.3	**For isolation only**		
6.3.1	warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	N/A	No
7.0	**Current-using equipment** (Permanently connected)		
7.1	Condition of equipment in terms of IP rating	N/A	No
7.2	Equipment does not constitute a fire hazard	N/A	No
7.3	Enclosure not damaged/deteriorated so as to impair safety	N/A	No
7.4	Suitability for the environment and external influences	N/A	No
7.5	Security of fixing	N/A	No

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Outcomes	Acceptable condition ✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A

Item No	Description	Outcome	Comments
7.0	**Current-using equipment** (Permanently connected) **(Continued)**		
7.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire. List number and location of luminaires inspected (Separate page)	N/A	No
7.7	**Recessed luminaires** (downlighters)		
7.7.1	correct type of lamps fitted	N/A	No
7.7.2	installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar	N/A	No
7.7.3	no signs of overheating to surrounding building fabric	N/A	No
7.7.4	no signs of overheating to conductors/terminations	N/A	No
8.0	**Location(s) containing a bath or shower**		
8.1	**Additional protection by RCD not exceeding 30mA**		
8.1.1	for low voltage circuits serving the location	N/A	No
8.1.2	for low voltage circuits passing through Zone 1 and Zone 2 not serving the location	N/A	No
8.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A	No
8.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A	No
8.4	Presence of supplementary bonding conductors unless not required by BS 7671:2008	N/A	No
8.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3m from zone 1	N/A	No
8.6	Suitability of equipment for external influences for installed location in terms of IP rating	N/A	No
8.7	Suitability of equipment for installation in a particular zone	N/A	No
9.0	**Other special installations or locations - Part 7s**		
9.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).		

Inspected By

Name: James Walsh

Date: 06/09/2018

Signature:

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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 Switch Room MEM Eaton	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	Main Section 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 $I\Delta n$	Ω
1/TP	Sub Mains(DB 1)	D	B	1	35	25	5	60947-2 MCCB		80	18	N/A	0.65
2/TP	Sub Mains(DB 2)	D	B	1	35	25	5	60947-2 MCCB		80	18	N/A	0.65
3/TP	Sub Mains(DB 3)	G	C	1	35	SWA	5	60947-2 MCCB		80	18	N/A	0.65
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Sub Mains(DB 9)	G	C	1	16	16	5	60947-2 MCCB		63	18	N/A	0.80
5/L3	Sub Mains(DB 11)	G	C	1	16	16	5	60947-2 MCCB		63	18	N/A	0.80
6/TP	Sub Mains(DB 4)	G	C	1	35	SWA	5	60947-2 MCCB		63	18	N/A	0.80
7/TP	Sub Mains(DB 10)	G	C	1	25	SWA	5	60947-2 MCCB		63	18	N/A	0.80
8/TP	Sub Mains(DB 6)	G	C	1	35	SWA	5	60947-2 MCCB		63	18	N/A	0.80
9/TP	Lift Supply	G	C	1	16	SWA	5	60947-2 MCCB		40	18	N/A	1.25
10/TP	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

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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	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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.01	N/A	N/A	>200	>200	>200	✓	0.25	N/A	N/A	N/A	NO
2/TP	N/A	N/A	N/A	0.01	N/A	>200	>200	>200	>200	✓	0.25	N/A	N/A	N/A	NO
3/TP	N/A	N/A	N/A	0.05	N/A	>200	>200	>200	>200	✓	0.30	N/A	N/A	N/A	NO
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	N/A	N/A	N/A	0.03	N/A	N/A	>200	>200	>200	✓	0.28	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.07	N/A	N/A	>200	>200	>200	✓	0.32	N/A	N/A	N/A	NO
6/TP	N/A	N/A	N/A	0.01	N/A	>200	>200	>200	>200	✓	0.26	N/A	N/A	N/A	NO
7/TP	N/A	N/A	N/A	0.02	N/A	>200	>200	>200	>200	✓	0.27	N/A	N/A	N/A	NO
8/TP	N/A	N/A	N/A	0.03	N/A	N/A	>200	>200	>200	✓	0.28	N/A	N/A	N/A	NO
9/TP	N/A	N/A	N/A	0.02	N/A	>200	>200	>200	>200	✓	0.27	N/A	N/A	N/A	NO
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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 Switch Room MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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) 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 Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	
1/L1	Sockets dining room	A	B	10	2x4	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
1/L2	Fan heaters dining room	A	B	2	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
1/L3	Lights dining room, WC, s, tores	A	B	24	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
2/L1	Sockets office	A	B	10	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
2/L2	Lights office, entrance corridor	A	B	21	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
2/L3	Sockets lobby, corridor	A	B	5	2x4	2x1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
3/L1	Sockets lounges 2-3-4, medical room	A	B	17	2x4	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
3/L2	Lights lounges 2-3-4 Decit room	A	B	28	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
3/L3	Fan heaters loung 2	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
4/L1	Fan heaters loung 3	A	B	1	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
4/L2	Untraced	A	B	LIM	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
4/L3	Lights main switch room	A	B	2	1.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	External sockets	A	B	3	2x2.5	2x1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Fire alarm	FP	C	1	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
6/L2	External lights carpark wall side	A	B	5	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
6/L3	External contactor control circuit	A	B	1	1.5	1	0.4	60898 MCB	B	16	10	N/A	2.73
7/L1	Light columns carpark	A	B	1	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
7/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	Sockets staff room	A	B	6	2x2.5	2x1.5	0.4	60898 MCB	B	32	10	N/A	1.37
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Door magnet sepply	A	B	1	2.5	1.5	0.4	60898 MCB	C	6	10	N/A	3.64

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	0.25 Ω	Operating times of associated RCD (if any)	At I Δn	N/A	ms
Ipf	1.95 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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 Δn	At 5I Δn	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	0.58	0.58	1.56	0.54	N/A	N/A	Lim	>200	>200	✓	0.80	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.32	N/A	N/A	Lim	>200	>200	✓	0.57	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.78	N/A	N/A	Lim	>200	>200	✓	1.01	N/A	N/A	N/A	NO
2/L1	0.61	0.60	1.01	0.42	N/A	N/A	Lim	>200	>200	✓	0.67	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.60	N/A	N/A	Lim	>200	>200	✓	0.85	N/A	N/A	N/A	NO
2/L3	0.33	0.33	0.89	0.31	N/A	N/A	Lim	>200	>200	✓	0.55	31.5	19.9	✓	NO
3/L1	0.78	0.78	2.06	0.70	N/A	N/A	Lim	>200	>200	✓	0.95	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.77	N/A	N/A	Lim	>200	>200	✓	1.01	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.42	N/A	N/A	Lim	>200	>200	✓	0.65	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.41	N/A	N/A	Lim	>200	>200	✓	0.64	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.52	N/A	N/A	Lim	>200	>200	✓	0.77	N/A	N/A	N/A	NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	0.60	0.60	0.99	0.41	N/A	N/A	Lim	>200	>200	✓	0.66	31.0	18.9	✓	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.16	N/A	N/A	Lim	>200	>200	✓	0.40	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.68	N/A	N/A	Lim	>200	>200	✓	0.92	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.06	N/A	N/A	Lim	>200	>200	✓	0.31	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	1.20	N/A	N/A	Lim	>200	>200	✓	1.42	N/A	N/A	N/A	NO
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	0.63	0.64	1.06	0.44	N/A	N/A	Lim	>200	>200	✓	0.68	N/A	N/A	N/A	NO
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.05	N/A	N/A	Lim	>200	>200	✓	0.32	N/A	N/A	N/A	NO

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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 Switch Room MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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 2	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 Ω
					Live mm2	cpc mm2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current I Δ n	
1/L1	Sockets corridor 2	A	B	2	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
1/L2	Lights staircase 1, store cupboard	A	B	6	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
1/L3	Lights corridor 2	A	B	10	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
2/L1	Lights bedrooms 1, 2	A	B	6	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
2/L2	Sockets bedroom 1	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
2/L3	Sockets bedroom 2	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L1	Lights bathrooms 1, 2, WC`s	A	B	10	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
3/L2	Sockets bedroom 3	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L3	Sockets bedroom 4	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L1	Sockets bedroom 5	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L2	Sockets bedroom 6	A	B	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L3	Lights bedroom 3, 4, 5, 6	A	B	12	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
5/L1	External lights back wall	A	B	4	1.5	1	0.4	60898 MCB	C	6	10	N/A	3.64
5/L2	Auto door supply	A	B	4	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
5/L3	Comms cabinet	A	B	4	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
6/L1	Extract fan in mains room	A	B	2	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
6/L2	External lights front, side wall, lounge, porch	A	B	2	1.5	1	0.4	60898 MCB	C	6	10	N/A	3.64
6/L3	Light in porch	A	B	2	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
7/L1	Sockets entrance porch	A	B	2	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
7/L2	FCU`s below DB			3	2.5	1.5	0.4	60898 MCB	C	16	10	N/A	1.37
7/L3	Sockets bottom of staircase	A	B	1	2.5	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	FCU toilet bathroom 1	A	B	1	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
8/L3	FCU hoist bathroom 2	A	B	1	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	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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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 Δ n	N/A	ms
Ipf	1.95 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.51	N/A	N/A	Lim	>200	>200	✓	0.75	28.7	18.4	✓	NO
1/L2	N/A	N/A	N/A	0.30	N/A	N/A	Lim	>200	>200	✓	0.55	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.29	N/A	N/A	Lim	>200	>200	✓	0.54	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.78	N/A	N/A	Lim	>200	>200	✓	1.03	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.41	N/A	N/A	Lim	>200	>200	✓	0.66	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.73	N/A	N/A	Lim	>200	>200	✓	0.98	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.77	N/A	N/A	Lim	>200	>200	✓	1.01	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.40	N/A	N/A	Lim	>200	>200	✓	0.65	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.42	N/A	N/A	Lim	>200	>200	✓	0.65	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.41	N/A	N/A	Lim	>200	>200	✓	0.63	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.49	N/A	N/A	Lim	>200	>200	✓	0.72	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.90	N/A	N/A	Lim	>200	>200	✓	1.17	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.07	N/A	N/A	Lim	>200	>200	✓	0.32	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.12	N/A	N/A	Lim	>200	>200	✓	0.37	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.11	N/A	N/A	Lim	>200	>200	✓	0.36	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.46	N/A	N/A	Lim	>200	>200	✓	0.71	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.32	N/A	N/A	Lim	>200	>200	✓	0.54	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.02	N/A	N/A	Lim	>200	>200	✓	0.27	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.22	N/A	N/A	Lim	>200	>200	✓	0.45	N/A	N/A	N/A	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	N/A	N/A	N/A	0.30	N/A	N/A	Lim	>200	>200	✓	0.54	32.5	19.6	✓	NO
8/L3	N/A	N/A	N/A	0.32	N/A	N/A	Lim	>200	>200	✓	0.56	32.4	19.8	✓	NO

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	Laundry Ground floor MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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 3	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 Ω
					Live mm2	cpc mm2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current I Δ n	
1/L1	Sockets corridor	A	C	2	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
1/L2	Lights corridor, ceiling & walls	A	C	7	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
1/L3	Lights staircase	A	C	6	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
2/L1	Lights , fan laundry, store, WC	A	C	8	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
2/L2	Sockets locker room	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
2/L3	Sockets laundry	A	C	2	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L1	Sockets room 7	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L2	Sockets room 8	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L3	Sockets consultation room	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L1	Sockets sluice room	A	C	1	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L2	Lights bedroom 7, 8, consultation room, fan	A	C	8	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
4/L3	Washing machine no 1	A	C	1	6	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
5/L1	Washing machine no 2	A	C	1	6	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
5/L2	Drying room isolator	A	C	1	4	1.5	0.4	61009 RCD/RCBO	C	16	10	30	1.37
5/L3	Drying room isolator	A	C	1	4	1.5	0.4	61009 RCD/RCBO	C	16	10	30	1.37
6/L1	Door magnets PSU	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L2	FCU in corridor	A	C	1	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
6/L3	Hand dryer staff WC	A	C	1	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
7/L1	Shower bedroom 26	A	C	1	10	1.5	0.4	61009 RCD/RCBO	B	40	10	30	1.09
7/L2	Bath supply 1st floor	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	B	16	10	30	2.73
7/L3	Sockets drying room	A	C	2	4	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/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

265104 - Master

Board Tests

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

Zs	0.30 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	1.30 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	>200	>200	>200	✓	0.75	36.2	31.0	✓	NO
1/L2	N/A	N/A	N/A	0.22	N/A	N/A	>200	>200	>200	✓	0.52	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.55	N/A	N/A	>200	>200	>200	✓	0.85	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.26	N/A	N/A	>200	>200	>200	✓	0.56	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.16	N/A	N/A	>200	>200	>200	✓	0.45	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.43	N/A	N/A	>200	>200	>200	✓	0.73	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.26	N/A	N/A	>200	>200	>200	✓	0.56	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.27	N/A	N/A	>200	>200	>200	✓	0.57	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.20	N/A	N/A	>200	>200	>200	✓	0.51	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.12	N/A	N/A	>200	>200	>200	✓	0.40	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	1.15	N/A	N/A	>200	>200	>200	✓	1.45	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.07	N/A	N/A	>200	>200	>200	✓	0.37	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.06	N/A	N/A	>200	>200	>200	✓	0.36	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.15	N/A	N/A	>200	>200	>200	✓	0.45	36.2	27.4	✓	NO
5/L3	N/A	N/A	N/A	0.16	N/A	N/A	>200	>200	>200	✓	0.46	41.2	28.6	✓	NO
6/L1	N/A	N/A	N/A	0.06	N/A	N/A	>200	>200	>200	✓	0.36	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.18	N/A	N/A	>200	>200	>200	✓	0.38	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.05	N/A	N/A	>200	>200	>200	✓	0.34	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.31	N/A	N/A	>200	>200	>200	✓	0.60	30.2	29.3	✓	NO
7/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200	✓	Lim	29.6	27.8	✓	NO
7/L3	N/A	N/A	N/A	0.23	N/A	N/A	>200	>200	>200	✓	0.43	30.1	28.6	✓	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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 Hairdressers Room MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	Associated RCD (if any)	
		No of phases	3	BS(EN)	N/A
		Nominal Voltage	400 V	RCD No of Poles	N/A
Distribution board designation	DB 4	Overcurrent protective device for the distribution circuit			
		Type BS(EN)	60947-2 MCCB	RCD Rating	N/A mA
		Rating	63 A		

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	Sockets hairdressers, lift lobby	A	C	4	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
1/L2	Sockets corridor, stairs	A	C	3	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
1/L3	Lights hairdressers, lift lobby	A	C	18	2x1.5	2x1	0.4	60898 MCB	C	10	10	N/A	2.19
2/L1	Sockets bedroom 9	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
2/L2	Sockets bedroom 10	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
2/L3	Sockets bedroom 11	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
3/L1	Sockets bedroom 19	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
3/L2	Sockets bedroom 20	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
3/L3	Lights bedrooms 9, 10, 11	A	C	12	1.5	1	0.4	60898 MCB	B	10	10	N/A	4.37
4/L1	Lights bedrooms 19, 20, fans	A	C	11	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
4/L2	Lights, fans WC`s, tank room	A	C	5	1.5	1	0.4	60898 MCB	C	6	10	N/A	3.64
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	FCU`s in corridor	A	C	2	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
5/L2	Sockets far corridor	A	C	3	4	1.5	0.4	61009 RCD/RCBO	B	20	10	30	2.19
5/L3	Lights, fans rooms 12, 13, 14, sluice, store	A	C	19	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
6/L1	Sockets sluice room, nurse call	A	C	2	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
6/L2	Sockets store room	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	Sockets room 14	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
7/L2	Sockets room 13	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
7/L3	Sockets room 18	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
8/L1	Sockets room 16	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
8/L2	Sockets room 12	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09
8/L3	Sockets room 17	A	C	3	4	1.5	0.4	60898 MCB	C	20	10	N/A	1.09

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	1.86 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.07	N/A	N/A	Lim	>200	>200	✓	0.31	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.13	N/A	N/A	Lim	>200	>200	✓	0.42	36.2	28.6	✓	NO
1/L3	N/A	N/A	N/A	1.20	N/A	N/A	Lim	>200	>200	✓	1.45	N/A	N/A	N/A	NO
2/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
2/L2	N/A	N/A	N/A	0.33	N/A	N/A	Lim	>200	>200	✓	0.58	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.53	N/A	N/A	Lim	>200	>200	✓	0.78	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.37	N/A	N/A	Lim	>200	>200	✓	0.61	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.36	N/A	N/A	Lim	>200	>200	✓	0.60	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.11	N/A	N/A	Lim	>200	>200	✓	1.37	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	1.87	N/A	N/A	Lim	>200	>200	✓	1.10	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.50	N/A	N/A	Lim	>200	>200	✓	0.76	N/A	N/A	N/A	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.28	N/A	N/A	Lim	>200	>200	✓	0.52	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.45	N/A	N/A	Lim	>200	>200	✓	0.70	18.6	32.8	✓	NO
5/L3	N/A	N/A	N/A	1.68	N/A	N/A	Lim	>200	>200	✓	1.93	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.70	N/A	N/A	Lim	>200	>200	✓	0.96	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.59	N/A	N/A	Lim	>200	>200	✓	0.85	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.57	N/A	N/A	Lim	>200	>200	✓	0.83	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.52	N/A	N/A	Lim	>200	>200	✓	0.77	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.45	N/A	N/A	Lim	>200	>200	✓	0.71	N/A	N/A	N/A	NO
8/L1	N/A	N/A	N/A	0.51	N/A	N/A	Lim	>200	>200	✓	0.76	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.50	N/A	N/A	Lim	>200	>200	✓	0.75	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.54	N/A	N/A	Lim	>200	>200	✓	0.80	N/A	N/A	N/A	NO

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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 Hairdressers Room MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	Associated RCD (if any)	
		No of phases	3	BS(EN)	N/A
		Nominal Voltage	400 V	RCD No of Poles	N/A
Distribution board designation	DB 4	Overcurrent protective device for the distribution circuit			
		Type BS(EN)	60947-2 MCCB	RCD Rating	N/A mA
		Rating	63 A		

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
9/L1	Sockets room 15	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
9/L2	Lights rooms 15, 16, 17, 18	A	C	12	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
9/L3	Lights corridor far end	A	C	9	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
10/L1	Door magnets FCU below DB	A	C	1	4	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/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	0.26 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	1.86 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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		
9/L1	N/A	N/A	N/A	0.55	N/A	N/A	Lim	>200	>200	✓	0.81	N/A	N/A	N/A	NO
9/L2	N/A	N/A	N/A	1.02	N/A	N/A	Lim	>200	>200	✓	1.27	N/A	N/A	N/A	NO
9/L3	N/A	N/A	N/A	0.50	N/A	N/A	Lim	>200	>200	✓	1.76	N/A	N/A	N/A	NO
10/L1	N/A	N/A	N/A	0.05	N/A	N/A	Lim	>200	>200	✓	0.31	N/A	N/A	N/A	NO
10/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	2nd Floor Kitchen MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	Associated RCD (if any)	
		No of phases	3	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB 6	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 $I\Delta n$	Ω
1/L1	Sockets kitchen, lift lobby	A	C	4	2x4	2x1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
1/L2	Sockets staircase, lift lobby	A	C	3	4	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
1/L3	Lights kitchen, lift lobby, corridor	A	C	20	2.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
2/L1	Sockets bedroom 21	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
2/L2	Sockets bedroom 22	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
2/L3	Sockets bedroom 23	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L1	Sockets bedroom 24	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L2	Sockets bedroom 30	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L3	Sockets bedroom 29	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L1	Sockets bedroom 28	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
4/L2	Lights , fans WC`s near kitchen	A	C	6	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
4/L3	Lights bedrooms 28, 29, 30	A	C	9	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
5/L1	Lights bedrooms 21, 22, 23, 24	A	C	12	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
5/L2	Blanked off supply in bathroom on ceiling	A	C	1	4	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
5/L3	Bath pump FCU in corridor	A	C	1	4	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L1	FCU`s in corridor	A	C	2	2x2.5	2x1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L2	Untraced	A	C	LIM	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	Sockets far corridor, staircase	A	C	2	4	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
7/L2	Lights corridor	A	C	8	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
7/L3	Sockets bedroom 26, kitchenette	A	C	6	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
8/L1	Sockets bedroom 25	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
8/L2	Lights bedrooms 25, 26, RHS store cupboard	A	C	8	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
8/L3	Sockets bedroom27	A	C	4	4	1.5	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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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	1.72 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.09	N/A	N/A	>200	>200	>200	✓	0.37	41.2	16.3	✓	NO
1/L2	N/A	N/A	N/A	0.09	N/A	N/A	>200	>200	>200	✓	0.37	39.5	18.5	✓	NO
1/L3	N/A	N/A	N/A	0.14	N/A	N/A	>200	>200	>200	✓	0.44	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.16	N/A	N/A	Lim	>200	>200	✓	0.46	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.18	N/A	N/A	Lim	>200	>200	✓	0.48	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.19	N/A	N/A	Lim	>200	>200	✓	0.45	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.30	N/A	N/A	Lim	>200	>200	✓	0.58	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.50	N/A	N/A	Lim	>200	>200	✓	0.78	N/A	N/A	N/A	NO
3/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
4/L1	N/A	N/A	N/A	0.52	N/A	N/A	Lim	>200	>200	✓	0.70	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.53	N/A	N/A	Lim	>200	>200	✓	0.71	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	1.00	N/A	N/A	Lim	>200	>200	✓	1.30	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	1.48	N/A	N/A	Lim	>200	>200	✓	1.75	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		0.43	39.2	28.5	✓	NO
5/L3	N/A	N/A	N/A	0.16	N/A	N/A	Lim	>200	>200	✓	0.42	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.30	N/A	N/A	Lim	>200	>200	✓	0.58	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.52	N/A	N/A	Lim	>200	>200	✓	0.81	44.3	29.3	✓	NO
7/L2	N/A	N/A	N/A	0.64	N/A	N/A	Lim	>200	>200	✓	0.91	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.16	N/A	N/A	Lim	>200	>200	✓	0.44	N/A	N/A	N/A	NO
8/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
8/L2	N/A	N/A	N/A	1.13	N/A	N/A	Lim	>200	>200	✓	1.40	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.30	N/A	N/A	Lim	>200	>200	✓	0.57	N/A	N/A	N/A	NO

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	2nd Floor Kitchen MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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 6	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	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 $I\Delta_n$	
9/L1	Sockets store room	A	C	3	4	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
9/L2	Lights bedroom 27, store	A	C	9	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
9/L3	Lights bedroom 26 ensuite, fans	A	C	7	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
10/L1	Untraced	A	C	LIM	4	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L2	Untraced	A	C	LIM	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
10/L3	Untraced	A	C	LIM	2.5	1.5	0.4	60898 MCB	B	10	10	N/A	4.37
11/L1	Door magnet PSU above DB	A	C	1	2.5	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
11/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/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	0.28 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	1.72 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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		
9/L1	N/A	N/A	N/A	0.33	N/A	N/A	Lim	>200	>200	✓	0.62	N/A	N/A	N/A	NO
9/L2	N/A	N/A	N/A	1.07	N/A	N/A	Lim	>200	>200	✓	1.34	N/A	N/A	N/A	NO
9/L3	N/A	N/A	N/A	1.17	N/A	N/A	Lim	>200	>200	✓	1.45	N/A	N/A	N/A	NO
10/L1	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
10/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
10/L3	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
11/L1	N/A	N/A	N/A	0.02	N/A	N/A	Lim	>200	>200	✓	0.30	N/A	N/A	N/A	NO
11/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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 MEM Exel	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	SF 7	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	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	Sub Mains(DB 7)	G	C	1	35	SWA	5	88-2 Fuse HRC	gG	80	80	N/A	0.55

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	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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.02	N/A	>200	>200	>200	>200	✓	0.27	N/A	N/A	N/A	NO

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	Kitchen Crabtree Polestar	Supply to distribution board is from	SubMains(SF 7, 1/TP)	Associated RCD (if any)	
		No of phases	3	Nominal Voltage	400 V
		Overcurrent protective device for the distribution circuit		BS(EN)	N/A
Distribution board designation	DB 7	Type BS(EN)	88-2 Fuse HRC	RCD No of Poles	N/A
		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 Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta n$	
1/TP	Dishwasher	G	C	1	6	SWA	0.4	60898 MCB	B	20	9	N/A	2.19
2/L1	Lights staff area, toilets, fans	A	C	9	1.5	1	0.4	60898 MCB	B	6	9	N/A	7.28
2/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	Sockets store, fan, water softner	A	C	3	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	9	30	0.68
3/L1	Water heater staffroom	A	C	1	2.5	1.5	0.4	60898 MCB	B	16	9	N/A	2.73
3/L2	Sub Mains(DB 8)	D	B	1	25	16	5	60898 MCB	B	50	9	N/A	0.87
3/L3	Fan heater, door FCU	A	C	2	2x1.5	2x1	0.4	60898 MCB	B	10	9	N/A	4.37
4/L1	Contactor for DB	D	B	2	1.5	1.5	0.4	60898 MCB	B	6	9	N/A	7.28
4/L2	Lights kitchen	A	C	9	1.5	1	0.4	60898 MCB	B	6	9	N/A	7.28
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	RCD socket kitchen	A	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	30	2.73
5/L2	Lights stores	A	C	4	1.5	1.5	0.4	60898 MCB	B	6	9	N/A	7.28
5/L3	External socket on tree	A	C	1	2.5	2.5	0.4	61009 RCD/RCBO	C	16	9	30	1.37
6/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Extract fan kitchen	A	C	3	2.5	2.5	0.4	60898 MCB	B	10	9	N/A	4.37
6/L3	External sockets on decking	A	C	2	2.5	2.5	0.4	61009 RCD/RCBO	C	16	9	30	1.37
7/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	FCU adjacent to kitchen door	A	C	1	4	1.5	0.4	60898 MCB	B	16	9	N/A	2.73
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	Fridge sockets	A	C	1	2.5	1.5	1.5	60898 MCB	B	20	10	N/A	2.19
8/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
8/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	0.27 Ω	Operating times of associated RCD (if any)	At I Δ n	N/A	ms
Ipf	1.60 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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 I Δ n ms	At 5I Δ n ms	Test button operation	
1/TP	N/A	N/A	N/A	0.12	N/A	>200	Lim	>200	>200	✓	0.37	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.60	N/A	N/A	Lim	>200	>200	✓	0.85	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	0.28	0.28	0.49	0.25	N/A	N/A	Lim	>200	>200	✓	0.50	39.5	28.7	✓	NO
3/L1	N/A	N/A	N/A	0.31	N/A	N/A	Lim	>200	>200	✓	0.55	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.01	N/A	N/A	Lim	>200	>200	✓	0.26	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.32	N/A	N/A	Lim	>200	>200	✓	0.56	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.02	N/A	N/A	Lim	>200	>200	✓	0.30	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.54	N/A	N/A	Lim	>200	>200	✓	0.79	N/A	N/A	N/A	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.08	N/A	N/A	Lim	>200	>200	✓	0.32	15.5	15.2	✓	NO
5/L2	N/A	N/A	N/A	0.51	N/A	N/A	Lim	>200	>200	✓	0.75	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.40	N/A	N/A	Lim	>200	>200	✓	0.63	45.2	25.4	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	0.32	N/A	N/A	Lim	>200	>200	✓	0.57	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.42	N/A	N/A	Lim	>200	>200	✓	0.67	38.6	34.2	✓	NO
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	N/A	N/A	N/A	0.38	N/A	N/A	>200	>200	>200	✓	0.63	N/A	N/A	N/A	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	N/A	N/A	N/A	0.10	N/A	N/A	>200	>200	>200	✓	0.35	N/A	N/A	N/A	NO
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	Kitchen Crabtree Polestar	Supply to distribution board is from	SubMains(DB 7, 3/L2)	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 8	Type BS(EN)	60898 MCB B	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	Potato peeler	A	C	1	4	1.5	0.4	60898 MCB	B	16	9	N/A	2.73
2/L2	Sockets kitchen	A	C	5	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	9	30	0.68
3/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	Sockets central island	A	C	2	2x2.5	2x1.5	0.4	61009 RCD/RCBO	C	32	9	30	0.68
5/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
6/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

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SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

265104 - Master

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	0.80	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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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/L2	N/A	N/A	N/A	0.18	N/A	N/A	Lim	>200	>200	✓	0.45	N/A	N/A	N/A	NO
2/L2	0.36	0.37	0.68	0.27	N/A	N/A	Lim	>200	>200	✓	0.55	50.2	28.5	✓	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	0.24	0.25	0.47	0.23	N/A	N/A	Lim	>200	>200	✓	0.51	43.2	17.5	✓	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	Date of testing	06/09/2018

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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	Lift motor room	Supply to distribution board is from	SubMains(Main Section Panel,	Associated RCD (if any)	
		No of phases	1	Nominal Voltage 400 V	BS(EN) N/A
Distribution board designation	DB 9	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	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 $I\Delta n$	Ω
1/L2	Auto dailer	C	B	1	2.5	2.5	0.4	60898 MCB	B	20	10	N/A	2.19
2/L2	Lights lift car	C	B	1	2.5	2.5	0.4	60898 MCB	B	20	10	N/A	2.19
3/L2	Sockets lift room	C	B	1	2.5	2.5	0.4	60898 MCB	B	20	10	30	2.19
4/L2	Heater lift room	C	B	1	2.5	2.5	0.4	60898 MCB	B	20	10	N/A	2.19
5/L2	Lights lift room	C	B	4	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
6/L2	Lights lift shaft	C	B	LIM	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
7/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

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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	0.80 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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/L2	N/A	N/A	N/A	0.03	N/A	N/A	Lim	>200	>200	✓	0.31	N/A	N/A	N/A	NO
2/L2	N/A	N/A	N/A	0.08	N/A	N/A	Lim	>200	>200	✓	0.36	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.03	N/A	N/A	Lim	>200	>200	✓	0.31	14.5	14.3	✓	NO
4/L2	N/A	N/A	N/A	0.07	N/A	N/A	Lim	>200	>200	✓	0.35	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.42	N/A	N/A	Lim	>200	>200	✓	0.70	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	Lim	N/A	N/A	Lim	>200	>200		Lim	N/A	N/A	N/A	NO
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	Boiler House MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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 10	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	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/L1	Lights boiler room	D	B	6	1.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
1/L2	Sockets boiler room	D	B	1	2.5	1.5	0.4	60898 MCB	C	20	10	30	1.09
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	Boiler panel	D	B	1	4	4	0.4	60898 MCB	C	20	10	N/A	1.09
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
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

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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	1.75 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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	0.37	N/A	N/A	Lim	>200	>200	✓	0.69	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.03	N/A	N/A	Lim	>200	>200	✓	0.30	14.5	14.3	✓	NO
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	N/A	N/A	N/A	0.03	N/A	Lim	Lim	>200	>200	✓	0.30	N/A	N/A	N/A	NO
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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	Garage MEM Eaton	Supply to distribution board is from	SubMains(Main Section Panel,	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 11	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	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	Lights garage	B	B	3	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
2/L3	Lights store	B	B	1	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
3/L3	Sockets garage, store	B	B	2	4	4	0.4	61009 RCD/RCBO	C	20	10	30	1.09
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	External lightsb	B	B	1	1.5	1.5	0.4	60898 MCB	C	10	10	N/A	2.19
8/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

265104 - 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	0.74 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	4002057	RCD	4002057
Insulation resistance	4002057	Other	N/A
Continuity	4002057	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/L3	N/A	N/A	N/A	0.15	N/A	N/A	Lim	>200	>200	✓	0.49	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.25	N/A	N/A	Lim	>200	>200	✓	0.58	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.19	N/A	N/A	Lim	>200	>200	✓	0.52	28.6	27.3	✓	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	N/A	N/A	N/A	0.33	N/A	N/A	Lim	>200	>200	✓	0.66	N/A	N/A	N/A	NO
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	M Fearnside	Position	Fixed Wire Test Engineer
Name	Martin Fearnside	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. "

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

visual inspection within the constraints of the limitations.

Agreed limitations including the reasons, Continued. from page 1

taken at the nearest accessible live point to the origin of the supply.
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

I. R testing was carried out to regulation 612.3.3 on lighting circuits and circuits that may contain electronic devices.
Limited testing of power circuits which may be intrusive and restrictive to business.
Live testing completed only on these circuits where possible so as not to interrupt the premises normal working procedure.
Unidentified circuits have not been tested due to possibility of isolating essential equipment.
Circuits that could not been isolated have had their designations taken from circuit schedules but have not been verified.
Areas where circuits or accessories were 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 floors, roof spaces & within the fabric of the building have not been visually inspected.
Accessories & equipment at height over 3m have been visually inspected & insulation resistance 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

This a three phase four wire system with TN-S configuration.

The main supply cable are 35 mm single tails, which feed the main distribution board.
The distribution board is 12 way and manufactured by MEM Eaton this has MCCB's used as over current protection.
Supplied from this section panel are all the distribution circuits throughout the installation. The Ze and Ipf readings where ascertained from the load side of the main switch within the section panel.

The MET is located in the main switch room. All conductors have been checked for tightness and have been adequately terminated.

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The main earth is present here and in-adequately bonded with a 16 mm earth conductor.

The main water bond could not be located located and requires further investigation.
The main gas bond is located in the boiler house and is 10 mm in size

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.

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Observations Continued from Page 2

Item No	Description	Code
	have no additional protection against nails. These circuits should be RCD protected. Location: On all appropriate circuits throughout the installation. Regulation: 522.6.203	
3	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 1 circuit 2L1 Regulation: 411.3.3	C3
4	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 1 circuit 3L1 Regulation: 411.3.3	C3
5	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 1 circuit 8L1 Regulation: 411.3.3	C3
6	Observation: Circuit is untraced and requires further investigation. location: DB 1 circuit 4L2 Regulation : 514.8.1	FI
7	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 2L2 Regulation: 411.3.3	C3
8	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 2L3 Regulation: 411.3.3	C3
9	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 3L2 Regulation: 411.3.3	C3
10	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated	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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Observations Continued from Page 2

Item No	Description	Code
	current not exceeding 20A. Location: DB 2 circuit 3L3 Regulation: 411.3.3	
11	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 4L1 Regulation: 411.3.3	C3
12	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 4L2 Regulation: 411.3.3	C3
13	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 2 circuit 8L1 Regulation: 411.3.3	C3
14	Observation: For this installation to comply to the current edition of BS7671 all circuits in all bath rooms & shower rooms should be protected by RCD`s or have supplementary bonding installed linking all extraneous metalwork and the earth terminals of all circuits within the bath rooms. Location: DB 2 circuit 3L1 Regulation : 701.411.3.3	C3
15	Observation: Circuits supplying socket outlets which will supply portable appliances for external use require additional supplementary RCD protection. Location: DB 2 Circuit 7L1 Regulation: 543.7.2.101	C3
16	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 2L2 Regulation: 411.3.3	C3
17	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 2L3	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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Observations Continued from Page 2

Item No	Description	Code
	Regulation: 411.3.3	
18	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 3L1 Regulation: 411.3.3	C3
19	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 3L2 Regulation: 411.3.3	C3
20	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 3L3 Regulation: 411.3.3	C3
21	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 3 circuit 4L1 Regulation: 411.3.3	C3
22	Observation: Trunking lid is missing which requires replacing to provide protection for single insulated cables. Location: Boiler house below DB 10 (4 inch metal trunking) Photo Regulation : 521.10.1	C3
23	Observation: Trunking lid is missing which requires replacing to provide protection for single insulated cables. Location: Boiler house ceiling trunking (4 inch T section) Regulation : 521.10.1	C3
24	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 1L1 Regulation: 411.3.3	C3
25	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 2L1 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

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Observations Continued from Page 2

Item No	Description	Code
26	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 2L2 Regulation: 411.3.3	C3
27	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 2L3 Regulation: 411.3.3	C3
28	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 3L1 Regulation: 411.3.3	C3
29	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 3L2 Regulation: 411.3.3	C3
30	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 6L1 Regulation: 411.3.3	C3
31	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 7L1 Regulation: 411.3.3	C3
32	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 7L2 Regulation: 411.3.3	C3
33	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 7L3	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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Observations Continued from Page 2

Item No	Description	Code
	Regulation: 411.3.3	
34	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 8L1 Regulation: 411.3.3	C3
35	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 8L2 Regulation: 411.3.3	C3
36	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 8L3 Regulation: 411.3.3	C3
37	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 4 circuit 98L1 Regulation: 411.3.3	C3
38	Observation: For this installation to comply to the current edition of BS7671 all circuits in all bath rooms & shower rooms should be protected by RCD`s or have supplementary bonding installed linking all extraneous metalwork and the earth terminals of all circuits within the bath rooms. Location: DB 4 circuit 4L1 Regulation : 701.411.3.3	C3
39	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 2L1 Regulation: 411.3.3	C3
40	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 2L2 Regulation: 411.3.3	C3
41	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated	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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Observations Continued from Page 2

Item No	Description	Code
	current not exceeding 20A. Location: DB 6 circuit 2L3 Regulation: 411.3.3	
42	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 3L1 Regulation: 411.3.3	C3
43	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 3L2 Regulation: 411.3.3	C3
44	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 3L3 Regulation: 411.3.3	C3
45	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 4L1 Regulation: 411.3.3	C3
46	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 7L3 Regulation: 411.3.3	C3
47	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 8L1 Regulation: 411.3.3	C3
48	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 8L3 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

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Observations Continued from Page 2

Item No	Description	Code
49	Observation: Additional protection by means of a 30mA RCD shall be provided for socket outlets with a rated current not exceeding 20A. Location: DB 6 circuit 9L1 Regulation: 411.3.3	C3
50	Observation: Circuit is untraced and requires further investigation. location: DB 6 circuit 6L2 Regulation : 514.8.1	FI
51	Observation: Circuit is untraced and requires further investigation. location: DB 6 circuit 10L1 Regulation : 514.8.1	FI
52	Observation: Circuit is untraced and requires further investigation. location: DB 6 circuit 10L2 Regulation : 514.8.1	FI
53	Observation: Circuit is untraced and requires further investigation. location: DB 6 circuit 10L3 Regulation : 514.8.1	FI
54	Observation: Multiple circuits in a over current protective device Location: DB 6 circuit 1L1 Regulation : 314.4 & 521.8.2	C3
55	Observation: Multiple circuits in a over current protective device Location: DB 6 circuit 6L1 Regulation : 314.4 & 521.8.2	C3
56	Observation: For this installation to comply to the current edition of BS7671 all circuits in all bath rooms & shower rooms should be protected by RCD`s or have supplementary bonding installed linking all extraneous metalwork and the earth terminals of all circuits within the bath rooms. Location: DB 6 circuit 4L2 Regulation : 701.411.3.3	C3
57	Observation: For this installation to comply to the current edition of BS7671 all circuits in all bath rooms & shower rooms should be protected by RCD`s or have supplementary bonding installed linking all extraneous metalwork and the earth terminals of all circuits within the bath rooms. Location: DB 6 circuit 9L3	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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Observations Continued from Page 2

Item No	Description	Code
	Regulation : 701.411.3.3	
58	Observation: For this installation to comply to the current edition of BS7671 all circuits in all bath rooms & shower rooms should be protected by RCD`s or have supplementary bonding installed linking all extraneous metalwork and the earth terminals of all circuits within the bath rooms. Location: DB 6 circuit 5L3 (This supplies a medical bath, there is an enclosure that may contain an RCD but it is located between the wall and the bath which does not allow access to confirm this) (Photo) Regulation : 701.411.3.3	C3
59	Observation: Damaged light switch, MK Logic Grid switch pushed back into switch box (Photo) Location: Basement lift lobby outside lift motor room. Regulation: : 416.2	C2
60	Observation: Switch box blanking plate missing. Location: External store below garage (Photo) Regulation : 521.10.1	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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