ELECTRICAL INSTALLATION CONDITION REPORT

EC647506 - Master

Cannings
Building services engineers

A. Details of the Client/Person Ordering the Report

Client: Wessex RFCA

Address:
Mount House
Mount Street
Taunton
Devon
TA1 3QE

B. Reason for Producing this Report

Purpose of this report:
5 yearly periodic electrical test and inspection report for insurance purposes

Date(s) on which Inspection: and testing was carried out: 27/11/2017

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

Installation: Wyvern Barracks Building 7

Occupier: Building 7

Address:
Wyvern Barracks
Barrack Road
Exeter
Devon EX2 6AE

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

Other: Military Building

Estimated age of wiring system: 25 yrs

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

Record of Installation available: ✓ Records held By: Wessex RFCA Date of previous inspection: 10/07/2012

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
Full periodic electrical test and inspection report in accordance
--See Additional Page--

Agreed limitations including the reasons (See regulation 634.2)
Ze reading is with main earthing conductor connected as unable
--See Additional Page--

Agreed with name: Wessex RFCA

Operational Limitations including the reasons (See page No N/A)
None

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 installation would benefit if all sockets were RCD protected. Some DBs should be replaced to meet current regulations. DBs
--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, I recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as *'further investigation required' (code FI)*.
Observation classified as 'Improvement recommended' (code C3) should be given due consideration.
Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by 27/11/2022

G. Declaration

I , being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Trading Title and address:
I J Cannings & Son Ltd.,
Stratford House Water Bridge Court,
Matford Park Road,
Exeter,
Devon, EX2 8EX

NICEIC Enrolment Number: 9140

Branch No. (If Applicable): N/A

Inspected and tested by:

Name: Lewis Conabeer Position: Approved Electrician Signature: Date: 11/01/2018

Report authorised for issue by:

Name: David Tucker Position: Qualified Supervisor Signature: Date: 11/01/2018

H. Schedule(s)

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

16 Schedule(s) of inspection and 16 Schedule(s) of test results are attached

I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements

TN-S	N/A
TN-C-S	✓
TN-C	N/A
TT	N/A
IT	N/A

Number and Type of Live Conductors

a.c.	✓			d.c.	N/A
1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Wire	N/A
2-Phase (3 wire)	N/A			3 Wire	N/A
3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Other	N/A
Other	N/A				

Confirmation of supply polarity ✓

Nature of Supply Parameters

Nominal Voltage	$U^{(1)}$	400	V
Nominal Voltage	$U_0^{(1)}$	230	V
Nominal frequency	$f^{(1)}$	50	Hz
Prospective fault current	$Ipf^{(2)}$	2.46	kA
External loop impedance	$Ze^{(2)}$	0.18	Ω
Number of supplies		1	

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

Supply protective device

BS(EN): 88-2 Fuse HRC

Type: gG

Nominal current rating: 200 A

Short circuit capacity: 80 kA

J. Particulars of Installation Referred to in the Report

Means of earthing

Distributor's facility	✓
Installation earth electrode	N/A

Details of installation Earth Electrode (where applicable)

Type (e.g. rod(s), tape etc.)	N/A	Location	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	70	mm^2	Connection and Continuity Verified ✓
Main protective bonding conductors	Material	Copper	csa	50	mm^2	Connection and Continuity Verified ✓

Bonding of Incoming Service

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

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

Maximum Demand (Load): 200 **Amps**

Protective measure(s) against electric shock: ADS

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

Location: N/A

Type BS(EN): N/A — No of poles: N/A

Supply Conductors material: N/A — Supply Conductors csa: N/A mm^2

Current rating	N/A	A
Fuse/Device rating or setting	N/A	A
Voltage rating	N/A	V

if RCD main switch

Rated residual operation current, IΔn	N/A	mA
Rated time delay	N/A	ms
RCD Operating time at, IΔn	N/A	ms

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	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.18 RCD(s) provided for fault protection – includes	C3
	RCBOs(411.4.9; 411.5.2; 531.2)	
2	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.19 RCD(s) provided for additional protection - includes	C3
	RCBOs (411.3.3; 415.1)	
3	5 FINAL CIRCUITS 5.12.1 For all socket-outlets of rating 20 A or less, unless an exception is permitted	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	10
C3 - Improvement recommended	12
FI - Further investigation required without delay	2

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

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

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

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

Inspected By

Name: Lewis Conabeer

Date: 11/01/2018

Signature:

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Electrical Intake Room

Distribution board designation: DB A

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal Voltage: N/A V

Overcurrent protective device for the distribution circuit

Type BS(EN): N/A

Rating: N/A A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/A

RCD Rating: N/A mA

Circuit 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 B)	F	B	1	16	16	5	60947-2 MCCB		80	LIM	N/A	LIM
2/TP	Sub Mains(DB G)	F	B	1	16	10	5	60947-2 MCCB		80	LIM	N/A	LIM
3/TP	Sub Mains(DB I)	F	B	1	16	10	5	60947-2 MCCB		63	LIM	N/A	LIM
4/TP	Sub Mains(DB C)	F	B	1	16	10	5	60947-2 MCCB		63	LIM	N/A	LIM
5/TP	Sub Mains(DB Guards Room)	F	B	1	25	16	5	60947-2 MCCB		100	LIM	N/A	LIM
6/TP	Main Incomer	F	B	1	95	50	5	60947-2 MCCB		200	LIM	N/A	LIM
7/TP	Sub Mains(DB H)	F	B	1	16	10	5	60947-2 MCCB		80	LIM	N/A	LIM
8/TP	Sub Mains(DB E)	F	B	1	25	16	5	60947-2 MCCB		100	LIM	N/A	LIM
9/TP	Sub Mains(DB J)	F	B	1	16	10	5	60947-2 MCCB		63	LIM	N/A	LIM
10/TP	Sub Mains(DB D)	F	B	1	16	10	5	60947-2 MCCB		63	LIM	N/A	LIM
11/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	Sub Mains(DB G05A)	F	B	1	16	10	5	60947-2 MCCB		63	LIM	N/A	LIM
12/TP	Sub Mains(DB S02/A)	F	B	1	25	16	5	60947-2 MCCB		100	LIM	N/A	LIM

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

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 $I_{\Delta n}$	N/A ms	
Ipf	N/A kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/TP	N/A	N/A	N/A	0.01	N/A	200	200	200	200	✓	0.19	N/A	N/A	N/A	NO
2/TP	N/A	N/A	N/A	0.08	N/A	200	200	200	200	✓	0.26	N/A	N/A	N/A	NO
3/TP	N/A	N/A	N/A	0.12	N/A	200	200	200	200	✓	0.30	N/A	N/A	N/A	NO
4/TP	N/A	N/A	N/A	0.03	N/A	200	200	200	200	✓	0.21	N/A	N/A	N/A	NO
5/TP	N/A	N/A	N/A	LIM	N/A	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
6/TP	N/A	N/A	N/A	0.01	N/A	200	200	200	200	✓	0.16	N/A	N/A	N/A	NO
7/TP	N/A	N/A	N/A	0.06	N/A	200	200	200	200	✓	0.24	N/A	N/A	N/A	NO
8/TP	N/A	N/A	N/A	0.05	N/A	200	200	200	200	✓	0.23	N/A	N/A	N/A	NO
9/TP	N/A	N/A	N/A	0.04	N/A	200	200	200	200	✓	0.22	N/A	N/A	N/A	NO
10/TP	N/A	N/A	N/A	0.02	N/A	200	200	200	200	✓	0.20	N/A	N/A	N/A	NO
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	✓	0.20	N/A	N/A	N/A	NO
12/TP	N/A	N/A	N/A	0.04	N/A	200	200	200	200	✓	0.22	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	28/11/2017

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: Electrical Intake Room (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB B

Supply to distribution board is from: SubMains(DB A, 1/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 80 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	Ring Main G07	A	B	3	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.37
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Lighting G07 & G08	A	B	5	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Lighting G15, G16, Corridor & WC	A	B	14	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L2	Lighting G11, G12 & Corridor	A	B	14	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L3	Lighting G02, G03, G04, WCs & Exchange	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L1	Lighting G13, G14 & Corridor	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L2	Lighting G09 & G10	A	B	4	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	Lighting G01 & Corridor	A	B	18	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L1	Water Heater G17	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
5/L2	Cabinet G01	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
5/L3	Ring Main G02 & Corridor	A	B	5	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
6/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Ring Main G01	A	B	10	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
6/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	Water Heater Disabled WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
7/L2	Ring Main G13, G14, G15, G16, G09 & G10	A	B	24	2.5	1.5	0.4	4293 RCD		32	10	30	1667
7/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	A/C G02	F	B	1	6	6	0.4	3871 MCB	2	32	10	N/A	0.97
8/L2	LandMark Cabinet	A	B	1	6	6	0.4	3871 MCB	2	32	10	N/A	0.97
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

Board Tests

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

Zs	0.19 Ω	Operating times of associated RCD (if any)	At $I\Delta_n$	N/A ms	
Ipf	2.54 kA		At $5I\Delta_n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta_n$ ms	At $5I\Delta_n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	0.26	0.26	0.39	0.41	N/A	N/A	200	200	200	✓	0.60	19	19	✓	NO
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.32	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	N/A	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.68	N/A	N/A	200	200	200	✓	0.97	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.67	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.91	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.68	N/A	N/A	200	200	200	✓	0.87	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.91	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.53	N/A	N/A	200	200	200	✓	0.72	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.27	N/A	N/A	200	200	200	✓	0.46	N/A	N/A	N/A	NO
5/L3	0.24	0.26	0.39	0.53	N/A	N/A	200	200	200	✓	0.33	48	39	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	0.21	0.21	0.35	0.36	N/A	N/A	200	200	200	✓	0.55	28	13	✓	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.50	N/A	N/A	N/A	NO
7/L2	0.54	0.54	0.70	0.72	N/A	N/A	200	200	200	✓	0.91	Fail	Fail	✓	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.37	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	LIM	N/A	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	03/11/2017

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: Cleaners Cupboard Ground Floor (Dorman Smith Loadlimitter

Distribution board designation: DB G

Supply to distribution board is from: SubMains(DB A, 2/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 80 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Ring Main G50 & G51	A	B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
1/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Shower Male LHS	A	B	1	10	6	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Shower Female RHS	A	B	1	10	6	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Ring Main G45, G46, G47 & G48	A	B	1	14	2.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	Lighting Female WC	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L1	Water Heater Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
4/L2	Lighting G50	A	B	10	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	Shower Male RHS	A	B	1	10	6	0.4	61009 RCD/RCBO	C	32	10	30	0.68
5/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Lighting G51	A	B	9	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Lighting Male WC	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L2	Lighting Corriodr	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	TV Amp & Socket	A	B	2	2.5	1.5	0.4	60898 MCB	B	20	10	N/A	2.19
7/L2	Lighting Corridor & Cleaners	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L3	Circuit Not Tested												
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	Lighting G45, G46, G47 & G48	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
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

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 $I\Delta n$	N/A ms	
Ipf	0.93 kA		At $5I\Delta n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	0.33	0.34	0.40	0.24	N/A	N/A	200	200	200	✓	0.50	25	24	✓	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	N/A	N/A	N/A	0.06	N/A	N/A	200	200	200	✓	0.32	Fail	Fail	✓	NO
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.17	N/A	N/A	200	200	200	✓	0.43	Fail	Fail	✓	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	0.76	0.76	1.50	0.41	N/A	N/A	200	200	200	✓	0.67	28	25	✓	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	N/A	N/A	N/A	0.36	N/A	N/A	200	200	200	✓	0.72	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.45	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.64	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.17	N/A	N/A	200	200	200	✓	0.43	22	15	✓	NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	✓	0.78	N/A	N/A	N/A	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.43	N/A	N/A	200	200	200	✓	0.69	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.94	N/A	N/A	200	200	200	✓	1.20	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.56	N/A	N/A	200	200	200	✓	0.82	N/A	N/A	N/A	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.81	N/A	N/A	N/A	NO
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	01/12/2017

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: Cleaners Cupboard Ground Floor (Dorman Smith Loadlimitter

Distribution board designation: DB G

Supply to distribution board is from: SubMains(DB A, 2/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 80 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Ring Main G57 & Corridor	A	B	8	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
9/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	Water Heater This Room	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
10/L3	Shower Female LHS	A	B	1	10	6	0.4	61009 RCD/RCBO	C	32	10	30	0.68
11/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	Lighting G54 & G56	A	B	9	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	Hand Dryer Female WC	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	C	16	10	30	1.37
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

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 $I\Delta n$	N/A ms	
Ipf	0.93 kA		At $5I\Delta n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
9/L1	1.01	1.02	1.18	0.39	N/A	N/A	200	200	200	✓	0.65	27	16	✓	NO
9/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	N/A	N/A	N/A	0.12	N/A	N/A	200	200	200	✓	0.38	N/A	N/A	N/A	NO
10/L3	N/A	N/A	N/A	0.10	N/A	N/A	200	200	200	✓	0.36	Fail	Fail	✓	NO
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L2	N/A	N/A	N/A	0.44	N/A	N/A	200	200	200	✓	0.70	N/A	N/A	N/A	NO
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	N/A	N/A	N/A	0.37	N/A	N/A	200	200	200	✓	0.40	27	14	✓	NO
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	01/12/2017

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 Corridor O/S F28 (Dorman Smith Loadlimitter DBX)
Distribution board designation	DB I
Supply to distribution board is from	SubMains(DB A, 3/TP)
No of phases	3
Nominal Voltage	400 V
Overcurrent protective device for the distribution circuit	
Type BS(EN)	60947-2 MCCB
Rating	63 A
Associated RCD (if any)	
BS(EN)	N/A
RCD No of Poles	N/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/L1	Ring Main F27, F28 & Corridor	A	B	10	2.5	2.5	0.4	4293 RCD		32	10	30	1667
1/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Ring Main F25, F26 & Corridor	A	B	15	2.5	2.5	0.4	4293 RCD		32	10	30	1667
2/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Ring Main F31 & F32	A	B	11	2.5	2.5	0.4	4293 RCD		32	10	30	1667
2/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Lighting F31 & F32	A	B	5	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L2	Water Heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
3/L3	Lighting F25 & F26	A	B	15	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L1	Lighting Stairs	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L2	Lighting F27, F28 & Corridor	A	B	13	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Water Heater WC By F31	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
5/L2	Lighting F29, F30 & WC	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L3	Ring Main F26	A	B	7	2.5	1.5	0.4	4293 RCD		32	10	30	1667
6/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Water Heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
6/L3	AC D11 Room	A	B	1	6	6	0.4	60898 MCB	C	20	10	N/A	1.09
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	Unicom DB	A	B	1	4	4	5	60898 MCB	B	32	10	N/A	1.37
7/L3	D11 Isolator 1	D	B	1	6	6	0.4	60898 MCB	C	32	10	N/A	0.68
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	D11 Isolator 2	D	B	1	6	6	0.4	60898 MCB	C	32	10	N/A	0.68

Wiring Code

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

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 $I\Delta n$	N/A ms	
Ipf	0.83 kA		At $5I\Delta n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	0.40	0.40	0.42	0.31	N/A	N/A	200	200	200	✓	0.61	Fail	Fail	✓	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	0.34	0.34	0.22	0.64	N/A	N/A	200	200	200	✓	0.94	28	15	✓	NO
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	0.41	0.41	1.06	0.39	N/A	N/A	200	200	200	✓	0.69	27	14	✓	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.59	N/A	N/A	200	200	200	✓	0.89	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	1.10	N/A	N/A	200	200	200	✓	1.40	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	1.68	N/A	N/A	200	200	200	✓	1.98	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.51	N/A	N/A	200	200	200	✓	0.81	N/A	N/A	N/A	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.53	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.31	N/A	N/A	200	200	200	✓	0.61	N/A	N/A	N/A	NO
5/L3	0.58	0.58	0.57	0.40	N/A	N/A	200	200	200	✓	0.70	34	23	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.49	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.12	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	N/A	N/A	N/A	0.12	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.10	N/A	N/A	200	200	200	✓	0.40	N/A	N/A	N/A	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.11	N/A	N/A	200	200	200	✓	0.41	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	09/01/2018

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: Room G28

Distribution board designation: DB C

Supply to distribution board is from: SubMains(DB A, 4/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	Ring Main G23	A	B	10	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.37
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	Ring Main G33, G35, G36, G37 & G38	A	B	8	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L2	Water Heater Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	Ring Main G24 & Corridor	A	B	4	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
3/L3	Water Heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
4/L1	Water Heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	Ring Main G18 & G19	A	B	7	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
5/L1	Lighting Corridor & Lobby	A	B	10	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L2	Lighting G42, G43 & Corridor	A	B	15	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L3	Lighting G18 & G19	A	B	8	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L1	Lighting G30, G31, Stairs & Female WC	A	B	14	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L2	Lighting G23	A	B	14	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L3	Lighting G20 & Corridor	A	B	14	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L1	Lighting G28 & G29	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L2	Lighting G24, G25 & Corridor	A	B	8	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L3	heater Battery	A	B	1	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
8/L1	Lighting G39, G40 & Corridor	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
8/L2	Lighting Front Corridor	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
8/L3	Lighting Female WC	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20

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

Board Tests

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

Zs	0.21 Ω	Operating times of associated RCD (if any)	At $I\Delta_n$	N/A ms	
Ipf	1.13 kA		At $5I\Delta_n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta_n$ ms	At $5I\Delta_n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	O/C	O/C	O/C	0.56	N/A	N/A	200	200	200	✓	0.77	19	18	✓	NO
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	0.28	0.28	0.40	0.38	N/A	N/A	200	200	200	✓	0.59	29	13	✓	NO
2/L2	N/A	N/A	N/A	0.12	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	0.62	0.62	0.61	0.44	N/A	N/A	200	200	200	✓	0.65	28	18	✓	NO
3/L3	N/A	N/A	N/A	0.12	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.36	N/A	N/A	200	200	200	✓	0.57	N/A	N/A	N/A	NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	0.34	0.34	0.53	0.31	N/A	N/A	200	200	200	✓	0.56	28	14	✓	NO
5/L1	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	✓	0.70	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.87	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.91	N/A	N/A	200	200	200	✓	1.12	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.68	N/A	N/A	200	200	200	✓	0.89	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.59	N/A	N/A	200	200	200	✓	0.80	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.55	N/A	N/A	200	200	200	✓	0.76	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.67	N/A	N/A	200	200	200	✓	0.88	N/A	N/A	N/A	NO
7/L2	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.83	N/A	N/A	N/A	NO
7/L3	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.44	N/A	N/A	N/A	NO
8/L1	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.93	N/A	N/A	N/A	NO
8/L2	N/A	N/A	N/A	0.54	N/A	N/A	200	200	200	✓	0.75	N/A	N/A	N/A	NO
8/L3	N/A	N/A	N/A	0.24	N/A	N/A	200	200	200	✓	0.45	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	10/01/2018

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Room G28

Distribution board designation: DB C

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

Supply to distribution board is from: SubMains(DB A, 4/TP)

No of phases: 3 | Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB | Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Lighting G33, G34, G35, G37, & G38	A	B	10	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
9/L2	Water Heate Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
9/L3	Kitchen Water Heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
10/L1	Ring Main G29, G30, G39 &G40	A	B	9	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
10/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	Security Alarm	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
11/L1	Water Heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
11/L2	Circuit Not Tested												
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	Lighting Male WC	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
12/L3	Circuit Not Tested												
13/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
13/L2	Fire Alarm	A	B	1	2.5	1.5	0.4	3871 MCB	2	10	10	N/A	3.12
13/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
14/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
14/L2	Ring Main G28	A	B	8	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
14/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
15/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
16/L1	Kitchen Tea Maker	A	B	1	6	2.5	0.4	60898 MCB	B	32	10	N/A	1.37
16/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
16/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

Board Tests

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

Zs	0.21 Ω	Operating times of associated RCD (if any)	At $I\Delta n$	N/A	ms
Ipf	1.13 kA		At $5I\Delta n$	N/A	ms
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
9/L1	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.98	N/A	N/A	N/A	NO
9/L2	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.37	N/A	N/A	N/A	NO
9/L3	N/A	N/A	N/A	0.27	N/A	N/A	200	200	200	✓	0.38	N/A	N/A	N/A	NO
10/L1	0.48	0.48	0.57	0.48	N/A	N/A	200	200	200	✓	0.69	29	18	✓	NO
10/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.42	N/A	N/A	N/A	NO
11/L1	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.56	N/A	N/A	N/A	NO
11/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	N/A	N/A	N/A	0.23	N/A	N/A	200	200	200	✓	0.44	N/A	N/A	N/A	NO
12/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/L2	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.56	N/A	N/A	N/A	NO
13/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14/L2	0.30	0.30	0.50	0.23	N/A	N/A	200	200	200	✓	0.44	23	13	✓	NO
14/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L1	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.43	N/A	N/A	N/A	NO
16/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	10/01/2018

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: Guards Room

Distribution board designation: DB Guards Room

Supply to distribution board is from: SubMains(DB A, 5/TP)

No of phases: 1

Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 100 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Circuit Not Tested												
2/L1	Circuit Not Tested												
3/L1	Circuit Not Tested												
4/L1	Circuit Not Tested												
5/L1	Circuit Not Tested												
6/L1	Circuit Not Tested												
7/L1	Circuit Not Tested												
8/L1	Circuit Not Tested												

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

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 $I_{\Delta n}$	N/A ms	
Ipf	1.11 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	11/01/2018

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: Room G061 (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB H

Supply to distribution board is from: SubMains(DB A, 7/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 80 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Ring Main G62, G63, G64 & G65	A	B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
1/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Ring Main G60, G61 & Corridor	A	B	6	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Ring Main G66 & G67	A	B	7	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Lighting G71 & Corridor	A	B	10	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L2	Lighting G62 & G63	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L3	Water Heater Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
4/L1	Lighting G58 & G59	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L2	Lighting G64 & G65	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	Water Heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
5/L1	Lighting G60 & G61	A	B	5	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L2	Hand Dryer Bar G58	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
5/L3	Water Heater Kitchen	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
6/L1	Water Heater Bar G58	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
6/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	Lighting G66, G67, G68 & G69	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L1	Lighting G72 & G73	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
7/L2	Water Heater	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
7/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	Ring Main G70, G71, G72 & G73	A	B	7	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
8/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Water Heater Kitchen	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95

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

Board Tests

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

Zs	0.24 Ω	Operating times of associated RCD (if any)	At $I\Delta n$	N/A ms	
Ipf	1.02 kA		At $5I\Delta n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	0.37	0.35	0.63	0.40	N/A	N/A	200	200	200	✓	0.64	38	30	✓	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	0.68	0.68	0.66	0.45	N/A	N/A	200	200	200	✓	0.69	18	16	✓	NO
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	0.45	0.42	0.45	0.30	N/A	N/A	200	200	200	✓	0.54	30	20	✓	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.61	N/A	N/A	200	200	200	✓	0.85	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.54	N/A	N/A	200	200	200	✓	0.78	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.45	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.63	N/A	N/A	200	200	200	✓	0.87	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.54	N/A	N/A	200	200	200	✓	0.78	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.50	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.44	N/A	N/A	200	200	200	✓	0.68	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.30	N/A	N/A	200	200	200	✓	0.54	N/A	N/A	N/A	NO
5/L3	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.46	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.46	28	25	✓	NO
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	N/A	N/A	N/A	0.53	N/A	N/A	200	200	200	✓	0.77	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.50	N/A	N/A	200	200	200	✓	0.74	N/A	N/A	N/A	NO
7/L2	0.73	0.73	1.28	0.47	N/A	N/A	200	200	200	✓	0.71	Fail	Fail	✓	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	1.10	1.09	1.27	0.71	N/A	N/A	200	200	200	✓	0.95	35	25	✓	NO
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.26	N/A	N/A	200	200	200	✓	0.50	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	28/11/2017

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Room G061 (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB H

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

Supply to distribution board is from: SubMains(DB A, 7/TP)

No of phases: 3 Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB Rating: 80 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Lighting G70	A	B	2	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
9/L2	Ring Main G58 & G60	A	B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
9/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	Kitchen Hand Dryer	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
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

Board Tests

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

Zs	0.24 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.02 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
9/L1	N/A	N/A	N/A	1.29	N/A	N/A	200	200	200	✓	1.56	N/A	N/A	N/A	NO
9/L2	0.75	0.75	0.60	N/A	N/A	N/A	200	200	200	✓	0.57	27	28	✓	NO
9/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L3	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.43	N/A	N/A	N/A	NO
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	28/11/2017

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 Landing (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB E

Supply to distribution board is from: SubMains(DB A, 8/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 100 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Ring Main F12, F13, F14 & Corridor	A	B	12	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
1/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	Ring Main F23 & F24	A	B	16	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.37
2/L2	Lightung F14 & Corridor	A	B	16	1.5	1	0.4	3871 MCB	2	10	10	N/A	3.12
2/L3	Water Heater Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
3/L1	Lighting F23, F24 & Corridor	A	B	12	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L2	Lighting F12, F13 & Corridor	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L3	Hand Dryer Kitchen	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
4/L1	Lighting F20 & Corridor	A	B	8	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L2	Lighing Stairs & Corridor	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	Lighting F18	A	B	17	1.5	1	0.4	3871 MCB	2	10	10	N/A	3.12
5/L1	Lighting F19, F21 & F22	A	B	10	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	Ring Main F18	A	B	4	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.37
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Entrance Bell	A	B	1	2.5	1.5	0.4	3871 MCB	2	6	10	N/A	5.20
6/L3	Lighting F15, F16 & Corridor	A	B	12	1.5	1	0.4	3871 MCB	2	10	10	N/A	3.12
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	Ring Main F15 & Kitchen	A	B	5	2.5	1.5	0.4	61009 RCD/RCBO	B	32	10	30	1.37
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Water Heater Kitchen Under Sink	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	10	30	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

Board Tests

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

Zs	0.23 Ω	Operating times of associated RCD (if any)	At $I\Delta_n$	N/A ms	
Ipf	1.07 kA		At $5I\Delta_n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta_n$ ms	At $5I\Delta_n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	0.59	0.60	0.64	0.18	N/A	N/A	200	200	200	✓	0.41	29	18	✓	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	0.79	0.80	0.80	0.46	N/A	N/A	200	200	200	✓	0.69	17	16	✓	NO
2/L2	N/A	N/A	N/A	0.76	N/A	N/A	200	200	200	✓	0.99	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.47	N/A	N/A	200	200	200	✓	0.70	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	1.05	N/A	N/A	200	200	200	✓	1.28	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.85	N/A	N/A	200	200	200	✓	1.08	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.55	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.60	N/A	N/A	200	200	200	✓	0.83	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.57	N/A	N/A	200	200	200	✓	0.80	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.57	N/A	N/A	200	200	200	✓	0.80	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.85	N/A	N/A	N/A	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	0.83	0.83	0.83	0.55	N/A	N/A	200	200	200	✓	0.78	18	19	✓	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	N/A	N/A	N/A	0.22	N/A	N/A	200	200	200	✓	0.45	N/A	N/A	N/A	NO
6/L3	N/A	N/A	N/A	0.98	N/A	N/A	200	200	200	✓	1.21	N/A	N/A	N/A	NO
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	0.54	0.54	1.26	0.21	N/A	N/A	200	200	200	✓	0.44	18	18	✓	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	N/A	N/A	N/A	0.20	N/A	N/A	200	200	200	✓	0.43	Fail	Fail	✓	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	08/01/2018

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 Landing (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB E

Supply to distribution board is from: SubMains(DB A, 8/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 100 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Circuit Not Tested												
9/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	Water Heater Kitchen	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	10	30	1.09
10/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	Door Entry	A	B	1	1.5	1	0.4	3871 MCB	2	10	10	N/A	3.12
10/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	Ring Main F19, F20, F21 & F22	A	B	18	2.5	1	0.4	61009 RCD/RCBO	C	32	10	30	0.68
11/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	Ring Main F11	A	B	5	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
12/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	Tower Clock	A	B	1	2.5	1.5	0.4	3871 MCB	2	10	10	N/A	3.12
12/L3	Lighting F11	A	B	6	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20

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

Board Tests

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

Zs	0.23 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.07 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
9/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L3	N/A	N/A	N/A	0.09	N/A	N/A	200	200	200	✓	0.32	29	28	✓	NO
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L2	N/A	N/A	N/A	0.20	N/A	N/A	200	200	200	✓	0.43	N/A	N/A	N/A	NO
10/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L1	N/A	N/A	N/A	0.45	N/A	N/A	200	200	200	✓	0.68	25	13	✓	NO
11/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/L3	O/C	0.30	0.49	0.24	N/A	N/A	200	200	200	✓	0.47	29	18	✓	NO
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L2	N/A	N/A	N/A	LIM	N/A	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
12/L3	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	✓	0.61	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	08/01/2018

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 Corridor (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB J

Supply to distribution board is from: SubMains(DB A, 9/TP)

No of phases: 3

Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB

Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Ring Main F04, F05, F06 & Corridor	A	B	18	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
1/L2	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Ring Main F01, F02 & Corridor	A	B	7	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
2/L1	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Water Heater Male WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
2/L3	Lightng Far Corridor	A	B	4	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L1	Water Heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
3/L2	Lighting F06 & F07	A	B	16	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L3	Lighting F08, F09 & Stairs Middle	A	B	9	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L1	Lighting F02 & Corridor	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L2	Lighting Corridor	A	B	11	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	Lighting F1 & WCs	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L2	Lighting F04 & F05	A	B	9	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
5/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	Water heater Female WC	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	10	N/A	1.95
6/L2	Lighting Stairs This End	A	B	7	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	Ring Main F08, F09 & Corridor	A	B	7	2.5	1.5	0.4	61009 RCD/RCBO	C	32	10	30	0.68
7/L3	RCD Module Covering	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/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

Board Tests

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

Zs	0.22 Ω	Operating times of associated RCD (if any)	At $I\Delta n$	N/A ms	
Ipf	1.14 kA		At $5I\Delta n$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I\Delta n$ ms	At $5I\Delta n$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	1.16	1.17	1.04	0.72	N/A	N/A	200	200	200	✓	0.94	17	15	✓	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	0.53	0.53	0.55	0.41	N/A	N/A	200	200	200	✓	0.63	27	29	✓	NO
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.33	N/A	N/A	200	200	200	✓	0.55	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.72	N/A	N/A	200	200	200	✓	0.94	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.44	N/A	N/A	200	200	200	✓	0.66	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.45	N/A	N/A	200	200	200	✓	0.67	N/A	N/A	N/A	NO
3/L3	N/A	N/A	N/A	0.66	N/A	N/A	200	200	200	✓	0.88	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.57	N/A	N/A	200	200	200	✓	0.79	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.57	N/A	N/A	200	200	200	✓	0.79	N/A	N/A	N/A	NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.62	N/A	N/A	200	200	200	✓	0.84	N/A	N/A	N/A	NO
5/L2	N/A	N/A	N/A	0.39	N/A	N/A	200	200	200	✓	0.61	N/A	N/A	N/A	NO
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	N/A	N/A	N/A	0.46	N/A	N/A	200	200	200	✓	0.84	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	0.36	N/A	N/A	200	200	200	✓	0.61	N/A	N/A	N/A	NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L2	0.74	0.74	0.81	0.44	N/A	N/A	200	200	200	✓	0.66	37	25	✓	NO
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	22/11/2017

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 Corridor (Dorman Smith Loadlimitter DBX)
Distribution board designation	DB J
Supply to distribution board is from	SubMains(DB A, 9/TP)
No of phases	3
Nominal Voltage	400 V
Overcurrent protective device for the distribution circuit	
Type BS(EN)	60947-2 MCCB
Rating	63 A
Associated RCD (if any)	
BS(EN)	N/A
RCD No of Poles	N/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 $I\Delta n$	
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

Board Tests

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

Zs	0.22 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.14 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	22/11/2017

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Boiler Room (Dorman Smith Loadlimitter DBX)

Distribution board designation: DB D

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

Supply to distribution board is from: SubMains(DB A, 10/TP)

No of phases: 3 Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Boiler panel	D	B	1	16	16	5	3871 MCB	2	32	10	N/A	0.97
2/L1	Outside Lighting	A	B	4	2.5	1.5	0.4	3871 MCB	2	20	10	N/A	1.56
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Lighting Boiler Room	A	B	5	1.5	1	0.4	3871 MCB	2	6	10	N/A	5.20
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	RCD Socket Below	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	10	30	1.56
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	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

Board Tests

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

Zs	0.20 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.23 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/TP	N/A	N/A	N/A	0.04	N/A	200	200	200	200	✓	0.24	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.83	N/A	N/A	200	200	200	✓	1.03	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.42	N/A	N/A	200	200	200	✓	0.62	N/A	N/A	N/A	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	N/A	N/A	N/A	0.07	N/A	N/A	200	200	200	✓	0.27	18	18	✓	NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	27/11/2017

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Room G05A (Memera 2000 DB)

Distribution board designation: DB G05A

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

Supply to distribution board is from: SubMains(DB A, 11/L2)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Sockets Voltage Spike, G05 & G05A	A	B	5	2.5	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	Lights G05 & G05A	A	B	6	1.5	1	0.4	60898 MCB	B	6	10	N/A	7.28
4/L2	Dado Sockets G01	A	B	9	2.5	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
5/L2	Dado Sockets G05 & G05A	A	B	6	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L2	Dennis Cabinet	A	B	1	2.5	1.5	0.4	60898 MCB	C	16	10	N/A	1.37

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

Board Tests

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

Zs	0.20 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.51 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L2	0.39	0.39	0.64	0.24	N/A	N/A	200	200	200	✓	0.44	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	N/A	N/A	N/A	0.46	N/A	N/A	200	200	200	✓	0.66	N/A	N/A	N/A	NO
4/L2	0.37	0.36	0.60	0.21	N/A	N/A	200	200	200	✓	0.41	N/A	N/A	N/A	NO
5/L2	0.32	0.32	0.58	0.20	N/A	N/A	200	200	200	✓	0.40	N/A	N/A	N/A	NO
6/L2	N/A	N/A	N/A	LIM	N/A	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	22/11/2017

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Exchange G02 (MEM 2)

Distribution board designation: DB S02/A

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

Supply to distribution board is from: SubMains(DB A, 12/TP)

No of phases: 3 | Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB | Rating: 100 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Sub Mains(DB S02)	D	B	1	16	16	5	60898 MCB	C	63	10	N/A	0.35
1/L2	Indoor AC Unit	F	C	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
1/L3	AC Unit 2	F	C	1	4	4	0.4	60898 MCB	C	32	10	N/A	0.68
2/TP	Out Door AC Unit	F	C	1	10	10	0.4	60898 MCB	C	63	10	N/A	0.35
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	Generator Blue Sockets	A	B	4	2.5	1.5	0.4	60898 MCB	C	32	10	N/A	0.68
4/L2	UPS	F	C	1	2.5	2.5	0.4	60898 MCB	C	20	10	N/A	1.09
4/L3	IS TDX	A	B	1	6	2.5	0.4	60898 MCB	C	32	10	N/A	0.68
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

Board Tests

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

Zs	0.22 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.10 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps, UPS

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	N/A	N/A	N/A	0.04	N/A	N/A	200	200	200	✓	0.26	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.13	N/A	N/A	200	200	200	✓	0.35	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.40	N/A	N/A	N/A	NO
2/TP	N/A	N/A	N/A	0.10	N/A	200	200	200	200	✓	0.32	N/A	N/A	N/A	NO
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	0.14	0.14	0.20	0.11	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
4/L2	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.40	N/A	N/A	N/A	NO
4/L3	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.36	N/A	N/A	N/A	NO
5/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	10/01/2018

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Exchange G02 (MEM 2)

Distribution board designation: DB S02

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

Supply to distribution board is from: SubMains(DB S02/A, 1/L1)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB C Rating: 63 A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/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	Cabinet 4	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
2/L1	Cabinet 3	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
3/L1	Cabinet 2	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
4/L1	Cabinet 1	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
5/L1	Cabinet 7	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	Cabinet 8	D	B	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
10/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

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

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 $I_{\Delta n}$	N/A ms	
Ipf	0.91 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Comms Cabs

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	N/A	N/A	N/A	N/A	0.11	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	N/A	0.10	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	N/A	0.12	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	N/A	0.13	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	N/A	0.17	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	N/A	N/A	N/A	N/A	0.16	N/A	200	200	200	✓	LIM	N/A	N/A	N/A	NO
10/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	10/01/2018

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Room G22

Distribution board designation: DB G22

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal Voltage: N/A V

Overcurrent protective device for the distribution circuit

Type BS(EN): N/A

Rating: N/A A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/A

RCD Rating: N/A mA

Circuit 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	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	Server Via Filter	C	B	1	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	Alarm	B	B	1	1.5	1.5	0.4	60898 MCB	B	6	10	N/A	7.28
3/L2	AC, Sockets & Lights Via Filter	C	B	10	2.5	2.5	0.4	60898 MCB	B	16	10	N/A	2.73
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/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

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 $I_{\Delta n}$	N/A ms	
Ipf	N/A kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.19	N/A	N/A	200	200	200	✓	0.36	N/A	N/A	N/A	NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.08	N/A	N/A	200	200	200	✓	0.25	N/A	N/A	N/A	NO
3/L2	N/A	N/A	N/A	0.34	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	N/A	NO
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	10/01/2018

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Room G07 (MEM 2)

Distribution board designation: DB G07

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

Supply to distribution board is from: N/A

No of phases: N/A

Nominal Voltage: N/A V

Overcurrent protective device for the distribution circuit

Type BS(EN): N/A

Rating: N/A A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/A

RCD Rating: N/A mA

Circuit 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	Ring Main Kitchen	A	B	5	2.5	1.5	0.4	60898 MCB	B	32	10	N/A	1.37
1/L2	Under Sink Water Heater Kitchen	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
1/L3	Water Heater Kitchen	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
2/L1	AC External	F	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	AC UPS Room	F	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	N/A	1.37
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	DB UPS Frame Room	F	C	1	16	16	5	60898 MCB	C	63	10	N/A	0.35

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

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 $I_{\Delta n}$	N/A ms	
Ipf	N/A kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	0.32	0.30	0.53	0.16	N/A	N/A	200	200	200	✓	0.39	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.37	N/A	N/A	N/A	NO
1/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.44	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.10	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	N/A	N/A	N/A	0.07	N/A	N/A	200	200	200	✓	0.30	N/A	N/A	N/A	NO
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	N/A	N/A	N/A	0.03	N/A	200	200	200	200	✓	0.26	N/A	N/A	N/A	NO

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	03/11/2017

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: Mains Room

Distribution board designation: DB 1

Supply to distribution board is from: N/A

No of phases: N/A

Nominal Voltage: N/A V

Overcurrent protective device for the distribution circuit

Type BS(EN): N/A

Rating: N/A A

Associated RCD (if any)

BS(EN): N/A

RCD No of Poles: N/A

RCD Rating: N/A mA

Circuit 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	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	Street lighting Via Contactor	F	C	3	6	24	0.4	3871 MCB	2	20	10	N/A	1.56
10/L1	Flood Lights Via Time Clock	F	C	5	6	24	0.4	3871 MCB	2	20	10	N/A	1.56
11/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	Street lights	F	C	4	2.5	17	0.4	3871 MCB	2	6	10	N/A	5.20
13/L1	Boiler Supply	B	B	1	2.5	2.5	0.4	3871 MCB	2	20	10	N/A	1.56
14/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
15/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
16/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
17/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
18/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
19/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
20/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
21/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
22/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
23/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
24/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

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

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 $I_{\Delta n}$	N/A ms	
Ipf	N/A kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	226446	RCD	226446
Insulation resistance	226446	Other	N/A
Continuity	226446	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Electronic ballasts, RCDs, neon indicator lamps

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	N/A	N/A	N/A	1.15	N/A	N/A	200	200	200	✓	1.32	N/A	N/A	N/A	NO
10/L1	N/A	N/A	N/A	0.87	N/A	N/A	200	200	200	✓	1.04	N/A	N/A	N/A	NO
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	N/A	N/A	N/A	0.77	N/A	N/A	200	200	200	✓	0.93	N/A	N/A	N/A	NO
13/L1	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.31	N/A	N/A	N/A	NO
14/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	08/11/2017

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

to IEE wiring regulations BS7671 guidance note 3

Agreed limitations including the reasons, Continued. from page 1

to switch off the supply. R1+R2 tests are calculated. Unabled to access all rooms within the building. Submains feeding UPS equipment and ICT equipment have not been tested, these required 21 days notice for a shutdown. Ring continuity not carried out on all circuits as operational

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

poorly marked up.

Observations Continued from Page 2

Item No	Description	Code
	(411.3.3)	
4	5 FINAL CIRCUITS 5.12.2 For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	C3
5	DB G05A - RCD protection needed for socket circuits 1, 4 & 5. 2x 32A RCBOs 1x 16A RCBO (Memera 2000)	C2
6	DB D - 20mm bung needed in metal trunking above DB	C3
7	DB B - 7L2 supply's 24 sockets, ring should be split into two rings.	C3
8	DB B - 7L2 - RCBO fgailed and needs replacing, 32A RCBO needed - Dorman Smith DB but Hagar RCBOs fit	C2
9	Circuit Charts on all distribution boards should be updated	C3
10	DB H - 7L2 Ring main bar and lounge has been rewired onsite as there was a neutral fault. 12 new sockets rewired	N/A
11	DB H - 7L2 32A RCBO Failed and needs replacing. (Dorman Smith Loadlimitter DBX) but Hagar fits.	C2
12	Recommend all Distribution boards across the whole building are replaced as MCBs & RCBOs are very brittle and old	C3
13	DB E - 11L3- open circiut on the lives of ring continuity	C2
14	DB E - 8L3 - 20A RCBO failed and needs replacing. (Dorman Smith Loadlimitter DBX) Hagar RCBOs fit	C2
15	DB G - Replaced x4 electric showers on site and were damaged and dangerous	N/A
16	DB G- 1L1 broken twin surface back box in G50. replaced on site	N/A
17	DB G - 1L3, 2L2 & 10L3 - 32A RCBOs failed and need replacing. (Dorman Smith Loadlimitter DBX) Hagar RCBOs fit	C2
18	DB G - Broken shower pull switch in male WC replaced on site	N/A
19	DB I - 1L1 - 32 A RCBO Failed and needs replacing. (Dorman Smith Loadlimitter DBX) Hagar RCBOs fit	C2
20	DB C - 1x Water heater in male WC, needs replacing as doesn't work	C3
21	DB C - 1x Water heater works but leaks water	C3
22	DB C - Unable to find all circuits	FI
23	DB C - No mixed wiring sticker on DB (Done on site)	N/A
24	DB C - 1L2 - Sockets on a 32A RCBO but not a ring as no continuity. RCBO needs changing for a 20A (Dorman Smith Loadlimitter DBX)	C2
25	DB S02 - Unable to do any live tests as board feds comms cabs	FI
26	DB G07 - 1L1 Kitchen sockets no RCD Protection. 32A MEM2 RCBO Needed	C2
27	DB G07 - 2L1 - rotoray isolator needs to be replaced as its faultly and not working correctly	C2
28	DB1 - DB needs to be replaced for modern DB	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

Observations Continued from Page 2

Item No	Description	Code
29	DB1 - holes in Metal trunking needs bungs	C3

Code Key

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

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

FI - Further investigation required without delay

CONDITION REPORT
GUIDANCE NOTES FOR RECIPIENTS

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

1. The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).

2. The person ordering the Report should have received the “original” Report and the inspector should have retained a duplicate.

3. The “original” Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.

4. Where the installation incorporates residual current devices (RCD) there should be a notice at or near the device stating that it should be tested quarterly. **For safety reasons it is important that this instruction is followed.**

5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

6. Some operational limitations such as such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.

7. For items classified in Section K as C1 (“Danger Present”), **the safety of those using the installation is at risk,** and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.

8. For items classified in Section K as C2 (“Potentially Dangerous”), the safety of those using the installation may be at risk and it is recommended that a competent person undertakes the necessary remedial work as a matter of urgency.

9. Where it has been stated in Section K that an observation requires further investigation (code 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.