ELECTRICAL INSTALLATION CONDITION REPORT

A72822 - Master

Robert Holler Electrical
Installation & Test
Mobile: 07970 831714

A. Details of the Client/Person Ordering the Report

Client: Horsforth Town Council

Address:
Horsforth Town Council
Mechanics Institute
Mechanics Institute
Horsforth
LEEDS West Yorkshire

B. Reason for Producing this Report

Purpose of this report:
Change of Occupancy

Date(s) on which Inspection: and testing was carried out: 08/11/2019

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

Installation: 3/5 The Green

Occupier: Horsforth Town Council

Address:
3/5 The Green
Town Street
Horsforth
LEEDS LS18 5JB

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

Other: N/A

Estimated age of wiring system: 18 yrs

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

Record of Installation available: N/A Records held By: N/A Date of previous inspection: Not Known

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
Power LIghting and Distribution Circuits within the building

Agreed limitations including the reasons (See regulation 653.2)
Supply Fuses Type not confirmed, External flood lighting not
--See Additional Page--

Agreed with name: Councillor Collins

Operational Limitations including the reasons (See page No N/A)
Museum Distribution Board(s) (DB M) and circuits to be tested on a future date to minimse disruption

This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to **July 2018**
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 is quite old and was installed in compliance with a previous editionof the Wiring Regulations, The installation has
--See Additional Page--

Overall assessment of the installation: Satisfactory

*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 SATISFACTORY , I recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as *'further investigation required' (code FI).*
Observation classified as 'Improvement recommended' (code C3) should be given due consideration.
Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by 01/11/2024

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:
Robert Holler Electrical,
170a King Street,
Hoyland,
Barnsley,
South Yorkshire, S74 9LL

NICEIC Enrolment Number: 500697

Branch No. (If Applicable): N/A

Inspected and tested by:

Name: Robert Holler Position: Qualifying Manager Signature: R Holler Date: 16/02/2023

Report authorised for issue by:

Name: Robert Holler Position: Qualifying Manager Signature: R Holler Date: 16/02/2023

H. Schedule(s)

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

8 - 22 (even) Schedule(s) of inspection and 9 - 23 (odd) Schedule(s) of test results are attached

I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements		Number and Type of Live Conductors						Nature of Supply Parameters			Supply protective device		
TN-S	✓	a.c.	✓			d.c.	N/A	Nominal Voltage	$U^{(1)}$	400 V	BS(EN)	LIM	
TN-C-S	N/A	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	2 Wire	N/A	Nominal Voltage	$U_0^{(1)}$	230 V			
TN-C	N/A	2-Phase (3 wire)	N/A			3 Wire	N/A	Nominal frequency	$f^{(1)}$	50 Hz	Type	N/A	
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Other	N/A	Prospective fault current	$Ipf^{(2)}$	1.6 kA	Nominal current rating	LIM	A
IT	N/A	Other	N/A					External loop impedance	$Ze^{(2)}$	0.14 Ω	Short circuit capacity	N/A	kA
		Confirmation of supply polarity	✓					Number of supplies		1			
								(Note: (1) by enquiry, (2) by enquiry or by measurement)					

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

	Material	csa		Continuity Verified	Connection Verified
Earthing Conductor	Copper	25	mm^2	✓	✓
Main protective bonding conductors	Copper	10	mm^2	✓	✓

Bonding of Incoming Service

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

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

Maximum Demand (Load): 80 **Amps**

Protective measure(s) against electric shock: ADS

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

Location	Basement Cellar	Current rating	100 A	**if RCD main switch**	
Type BS(EN)	5419 Isolator	No of poles	3	Fuse/Device rating or setting	N/A A
Supply Conductors material	Copper	Supply Conductors csa	25 mm^2	Voltage rating	N/A V
				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	4.0 Consumer unit(s)/Distribution board(s) 4.17 RCDs provided for additional protection includes RCBOs,	C3
	Comment: RCD not provided to majority of circuits.	
2	5.0 Distribution/final circuits 5.11.1 - all socket-outlets with a rated current not exceeding 32 A, Comment: RCD	C3
	not Present	
3	5.0 Distribution/final circuits 5.11.3 - cables concealed in walls/partitions at a depth of less than 50 mm	C3
4	--Observations continue on continuation sheet(s)--	C3

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	0
C3 - Improvement recommended	5
FI - Further investigation required without delay	0

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

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

Item No	Description	Outcome	Comments
1.0	**External condition of intake equipment (visual inspection only)**		
1.1	Service cable	✓	No
1.2	Service head	✓	No
1.3	Earthing arrangement	✓	No
1.4	Meter tails	✓	No
1.5	Metering equipment	✓	No
1.6	Isolator (where present)	✓	No
2.0	**Presence of adequate arrangements for other sources**		
2.1	Presence of alternative/additional supply warning notices at the origin of the installation	N/A	No
3.0	**Earthing and bonding arrangements**		
3.1	Presence and condition of distributor's earthing arrangement	✓	No
3.2	Presence and condition of earth electrode connection, where appropriate	N/A	No
3.3	Confirmation of earthing conductor size	✓	No
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓	No
3.5	Confirmation of main protective bonding conductor sizes	✓	No
3.6	Condition and accessibility of main protective bonding conductor connections	✓	No
3.7	Condition and accessibility of other protective bonding connections	✓	No
3.8	Provision of earthing and bonding labels at all appropriate locations	✓	No
4.0	**Consumer unit(s)/ Distribution board(s)**		
4.1	Adequacy of working space/accessibility to consumer unit/ distribution board	✓	No
4.2	Security of fixing	✓	No
4.3	Condition of enclosure(s) in terms of IP rating	✓	No
4.4	Condition of enclosure(s) in terms of fire rating	✓	No
4.5	Enclosure not damaged/deteriorated so as to impair safety	✓	No
4.6	Presence of linked main switch	✓	No
4.7	Operation of main switch(es) (functional check)	✓	No
4.8	Operation of main switch (functional), main switch capable of being secured in the OFF position	✓	No
4.9	Manual operation of circuit breakers and RCDs to prove disconnection (functional check)	✓	No
4.10	Correct identification of circuits and protective devices	✓	No
4.11	**Presence of required charts and labels:**		
4.11.1	Provision of diagram, chart, table or equivalent forms of information	✓	No
4.11.2	Warning notice of durable material indicating there are live parts which are not capable of being isolated by a single device	✓	No
4.11.3	Periodic inspection notice positioned at or near the origin of the installation	✓	No
4.11.4	Presence of RCD six-monthly test notice at or near consumer unit/distribution board	✓	No
4.11.5	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board	✓	No
4.11.6	Presence of other required labelling provided	✓	No
4.12	Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage,arcing or overheating)	✓	No
4.13	Single-pole switching or protective devices in the line conductors only	✓	No
4.14	Protection against mechanical damage where cables enter consumer unit/ distribution board	✓	No
4.15	Protection against electromagnetic effects where cables enter metallic consumer unit enclosure	✓	No
4.16	RCDs provided for fault protection - includes RCBOs	N/A	No
4.17	RCDs provided for additional protection includes RCBOs	C3 (see section K)	Yes
4.18	Confirmation of indication that SPD is functional	N/A	No
4.19	Operation/adequacy of AFDD(s) where present	N/A	No
4.20	Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure	✓	No
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply	✓	No
4.22	Adequate arrangements where a generating set operates in parallel with the public supply	✓	No

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

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

Item No	Description	Outcome	Comments
5.0	**Distribution/final circuits**		
5.1	Identification of conductors	✓	No
5.2	Cables correctly supported throughout	✓	No
5.3	Condition of insulation of live parts	✓	No
5.4	Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	✓	No
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓	No
5.6	Protective devices, type and rated current are suitable for fault protection	✓	No
5.7	Presence and adequacy of circuit protective conductors	✓	No
5.8	Co-ordination between conductors and overload protection devices	✓	No
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	✓	No
5.10	Cables adequately protected against mechanical damage and abrasion	✓	No
5.11	**Provision of additional protection by 30 mA RCD for*:**		
5.11.1	- all socket-outlets with a rated current not exceeding 32 A	C3 (see section K)	Yes
5.11.2	- mobile equipment not exceeding a rating of 32 A for use outdoors	N/A	No
5.11.3	- cables concealed in walls/partitions at a depth of less than 50 mm	C3 (see section K)	No
5.11.4	- cables concealed in walls/partitions containing metal parts regardless of depth	N/A	No
5.11.5	- all AC final circuits supplying luminaires within domestic household premises	N/A	No
	***Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.**		
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects	✓	No
5.13	Band II cables segregated/separated from Band I cables	✓	No
5.14	Cables segregated/separated from communications cabling	✓	No
5.15	Cables segregated/separated from non-electrical services	✓	No
5.16	**Termination of cables at enclosures:**		
5.16.1	Connections soundly made and under no undue strain	✓	No
5.16.2	No basic insulation of a conductor visible outside enclosure	✓	No
5.16.3	Connection of live conductors adequately enclosed	✓	No
5.16.4	Adequately connected at point of entry to enclosure	✓	No
5.17	Condition of accessories including socket-outlets, switches and joint boxes is satisfactory	✓	No
5.18	Suitability of accessories for external influences	✓	No
5.19	Adequacy of working space/accessibility to equipment	✓	No
5.20	Single-pole switching or protective devices in line conductors only	✓	No
6.0	**Isolation and switching**		
6.1	**In general:**		
6.1.1	Presence and condition of appropriate devices	C3 (see section K)	Yes
6.1.2	Correct operation verified	✓	No
6.2	**For isolation and switching for mechanical maintenance only:**		
6.2.1	Capable of being secured in the OFF position where appropriate	✓	No
6.2.2	Acceptable location (local/remote)	✓	No
6.2.3	Clearly identified by position and/or durable marking(s)	✓	No
6.3	**For isolation only:**		
6.3.1	Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device	✓	No
7.0	**Current-using equipment (permanently connected)**		
7.1	Condition of equipment in terms of IP rating	✓	No
7.2	Equipment does not constitute a fire hazard	✓	No
7.3	Enclosure not damaged/deteriorated so as to impair safety	C3 (see section K)	Yes
7.4	Suitability for the environment and external influences	✓	No
7.5	Security of fixing	✓	No
7.6	Cable entry holes in ceiling above luminaires sized or sealed so as to restrict the spread of fire	✓	No
	List number and location of luminaires inspected in section 9		

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
7.7	**Recessed luminaires (downlighters):**		
7.7.1	Correct type of lamps fitted	N/A	No
7.7.2	Installed to minimise build-up of heat	N/A	No
7.7.3	No signs of overheating to surrounding building fabric	N/A	No
7.7.4	No signs of overheating to conductors/terminations	N/A	No
8.0	**Location(s) containing a bath or shower**		
8.1	**Additional protection by RCD not exceeding 30mA for:**		
8.1.1	- low voltage circuits serving the location	N/A	No
8.1.2	- low voltage circuits passing through Zone 1 and Zone 2 not serving the location	N/A	No
8.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A	No
8.3	Shaver sockets comply with BS EN 61558-2-5 (formerly BS 3535)	N/A	No
8.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2018	N/A	No
8.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from Zone 1	N/A	No
8.6	Suitability of equipment for external influences for installed location in terms of IP rating	N/A	No
8.7	Suitability of equipment for installation in a particular zone	N/A	No
9.0	**Other special installations or locations**		
	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).		

Inspected By

Name: Robert Holler

Date: 16/02/2023

Signature: R Holler

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Basement of 3 The Green Museum

Distribution board designation: DB M

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, 1/TP)

No of phases: 3 Nominal Voltage: 400 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	Skt G/F Rear Corridor	C	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
1/L2	Ladies WC wash/dry	C	C	2	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
1/L3	Gents Dryer	C	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
2/L1	2xSkts Computer Rm	C	C	2	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
2/L2	Prep room Skts	E	C	7	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	Sub Mains(DB M2 F/Floor)	F	C	1	16	16	5	60898 MCB		B	63	6	N/A	0.69
4/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	Basement Lights	C	C	3	1.5	1.5	0.4	60898 MCB		B	6	6	N/A	7.28
5/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	Store sink heater	C	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
7/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	Sub Mains(DB M1 G/floor)													

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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) ✓

Supplementary Conductors ✓

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

Zs 0.35 Ω Ipf 0.641 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L1				1.11		500		200	200	200	✓	0.61	N/A	N/A		NO
1/L2				2.14		500		200	200	200	✓	1.04	N/A	N/A		NO
1/L3				0.94		500		200	200	200	✓	0.7	N/A	N/A		NO
2/L1				0.7		500		100	100	100	✓	0.53	N/A	N/A		NO
2/L2	0.39	0.4	0.56	0.23		500		200	200	200	✓	0.69	N/A	N/A		NO
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L1				0.84		500		200	200	200	✓	0.42	N/A	N/A		NO
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3				0.64		500		100	100	100	✓	0.83	N/A	N/A		NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3				0.24		500		200	200	200	✓	0.46	N/A	N/A		NO
7/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3				0.12		500		200	200	200	✓	0.3				NO

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	27/01/2023

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Second Floor landing

Distribution board designation: DB F2

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, 2/L1)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1	2 x Twin Socket	A	C	2	2.5	1.5	0.4	60898 MCB		B	16	3		2.73
4/L1	1 x Twin socket	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	3		2.73
5/L1	Lighting	A	C	6	1.5	1.5	0.4	60898 MCB		B	6	3		7.28
6/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	Power Pole Sockets	A	C	16	2.5	1.5	0.4	60898 MCB		B	32	3		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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.17 Ω lpf 1.3 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (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	N/A	N/A	N/A	0.26	N/A	250	N/A	200	200	200	✓	0.45	N/A	N/A		NO
4/L1	N/A	N/A	N/A	0.25	N/A	250	N/A	200	200	200	✓	0.41	N/A	N/A		NO
5/L1	N/A	N/A	N/A	0.88	N/A	250	N/A	88	88	88	✓	1.3	N/A	N/A		NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L1	0.26	0.26	0.11	0.12	N/A	250	N/A	120	120	120	✓	0.36	N/A	N/A		NO

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: First Floor Landing

Distribution board designation: DB F1

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, 2/L2)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L2	Ring Main Sockets	A	C	8	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
2/L2	Ring Main Sockets	A	C	10	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
3/L2	Ring Main sockets	A	C	10	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
4/L2	Hand dryer	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
5/L2	Lighting	A	C		1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
6/L2	Ltg + Bell & Office	A	C	7	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
7/L2	Ltg Stair/Corridor	A	C	6	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
8/L2	Water Htr WC	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
9/L2	Door Entry	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
10/L2	Computer Skt	A	C	12	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
11/L2	Computer Skts	A	C	14	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
12/L2	External Floodlights	A	C	4	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28

Wiring Code

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

Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.16 Ω Ipf 1.4 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	($R_1 + R_2$)	(R_2)											
1/L2	0.25	0.23	0.23	0.37	N/A	500	N/A	100	100	100	✓	0.37	N/A	N/A		NO
2/L2	0.43	0.30	0.37	0.45	N/A	500	N/A	185	185	185	✓	0.4	N/A	N/A		NO
3/L2	0.42	0.44	0.44	0.7	N/A	500	N/A	100	100	100	✓	0.48	N/A	N/A		NO
4/L2	N/A	N/A	N/A	0.42	N/A	500	N/A	200	200	200	✓	0.44	N/A	N/A		NO
5/L2	N/A	N/A	N/A	0.93	N/A	500	N/A	30	30	30	✓	1.14	N/A	N/A		NO
6/L2	N/A	N/A	N/A	0.69	N/A	500	N/A	30	30	30	✓	0.92	N/A	N/A		NO
7/L2	N/A	N/A	N/A	1.1	N/A	500	N/A	30	30	30	✓	1.19	N/A	N/A		NO
8/L2	N/A	N/A	N/A	0.38	N/A	500	N/A	500	500	500	✓	0.45	N/A	N/A		NO
9/L2	N/A	N/A	N/A	0.05	N/A	500	N/A	200	200	200	✓	0.2	N/A	N/A		NO
10/L2	0.35	0.35	0.31	0.3	N/A	500	N/A	200	200	200	✓	0.35	N/A	N/A		NO
11/L2	0.26	0.26	0.43	0.31	N/A	500	N/A	200	200	200	✓	0.41	N/A	N/A		NO
12/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	200	200	200		N/A	N/A	N/A		NO

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Basement Cellar

Distribution board designation: DB L

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, 2/L3)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L3	Ltg Front Desk	A	C	5	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
2/L3	Ltg Kitchen/Intvw	A	C	5	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
3/L3	Ltg Corridor/ Em.Lts	A	C	8	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
4/L3	Door Bell	A	C	1	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
5/L3	Ltg Cellar	A	B	4	1.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

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

Board Tests

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.13 Ω Ipf 1.45 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L3	N/A	N/A	N/A	1.15	N/A	500	N/A	50	50	50	✓	1.23	N/A	N/A		NO
2/L3	N/A	N/A	N/A	1.6	N/A	500	N/A	50	50	50	✓	1.56	N/A	N/A		NO
3/L3	N/A	N/A	N/A	1.25	N/A	500	N/A	50	50	50	✓	1.38	N/A	N/A		NO
4/L3	N/A	N/A	N/A	0.1	N/A	500	N/A	200	200	200	✓	0.25	N/A	N/A		NO
5/L3	N/A	N/A	N/A	0.64	N/A	500	N/A	50	50	50	✓	0.83	N/A	N/A		NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

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: Beneath Front Counter Desk

Distribution board designation: DB CR

Supply to distribution board is from: SubMains(DB A, 4/L3)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B Rating: 32 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L3	Skts Desk Cupboard	A	C	8	2.5	1.5	0.4	3871 MCB		2	20	6	N/A	1.56
2/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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.51 Ω Ipf 0.41 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L3	0.15	0.17	0.2	0.33	N/A	500	N/A	300	900	850	✓	0.55	N/A	N/A		NO
2/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Basement Cellar

Distribution board designation: DB P

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, 5/L3)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L3	Door Control	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
2/L3	Computer Skt	A	C	1	2.5	1.5	0.4	60898 MCB		B	20	10	N/A	2.19
3/L3	Security Alarm	A	C	1	2.5	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
4/L3	Wtr Htr Kitchen	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
5/L3	Wtr Htr WC	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
6/L3	Cntrl/Htg	A	C	1	4	1.5	0.4	60898 MCB		B	6	10	N/A	7.28
7/L3	Hand Dryer	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
8/L3	Cellar Socket	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	10	N/A	2.73
9/L3	Skts Offices	A	C	15	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
10/L3	Skts Kitchen	A	C	15	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
11/L3	Skts Front Area	A	C	15	2.5	1.5	0.4	60898 MCB		B	32	10	N/A	1.37
12/L3	Skts Rear Desk	A	C	8	2.5	1.5	0.4	60898 MCB		B	32	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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓ | Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs 0.14 Ω Ipf 1.6 kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L3	N/A	N/A	N/A	0.3	N/A	500	N/A	100	100	100	✓	0.46	N/A	N/A		NO
2/L3	N/A	N/A	N/A	0.4	N/A	500	N/A	100	100	100	✓	0.46	N/A	N/A		NO
3/L3	N/A	N/A	N/A	0.24	N/A	500	N/A	100	100	100	✓	0.53	N/A	N/A		NO
4/L3	N/A	N/A	N/A	0.87	N/A	500	N/A	100	100	100	✓	0.68	N/A	N/A		NO
5/L3	N/A	N/A	N/A	0.36	N/A	500	N/A	100	100	100	✓	0.6	N/A	N/A		NO
6/L3	N/A	N/A	N/A	0.49	N/A	500	N/A	100	100	100	✓	0.32	N/A	N/A		NO
7/L3	N/A	N/A	N/A	0.32	N/A	500	N/A	96	96	96	✓	0.56	N/A	N/A		NO
8/L3	N/A	N/A	N/A	0.1	N/A	500	N/A	100	100	100	✓	0.23	N/A	N/A		NO
9/L3	0.57	0.53	0.8	0.6	N/A	500	N/A	30	40	40	✓	0.54	N/A	N/A		NO
10/L3	0.53	0.54	0.82	0.42	N/A	500	N/A	70	70	70	✓	0.59	N/A	N/A		NO
11/L3	0.66	0.68	0.81	0.39	N/A	500	N/A	50	50	50	✓	0.69	N/A	N/A		NO
12/L3	0.51	0.54	0.77	0.47	N/A	500	N/A	200	200	200	✓	0.52	N/A	N/A		NO

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Museum Ground floor corridor

Distribution board designation: DB M1 G/floor

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 M, 8/L3)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L3	Store socket	E	C	1	2.5	1.5	0.4	3871 MCB		2	32	6	N/A	0.97
2/L3	Skts Stanhope&Shop	E	C	6	2.5	1.5	0.4	3871 MCB		2	32	6	N/A	0.97
3/L3	Skts Horsforde	E	C	4	2.5	1.5	0.4	3871 MCB		2	32	6	N/A	0.97
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	Htr Stanhope discon.	E	C	1	2.5	1.5	0.4	3871 MCB		2	16	6	N/A	1.95
6/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3	Lts Hors,Pasage Entrance	E	C	9	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
8/L3	Lts Stanhope	E	C	2	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
9/L3	Lts Office	E	C	1	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
10/L3	Lts Prep&Rear Area	E	C	9	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
11/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3	Skts Kitchenet&Sink	E	C	5	2.5	1.5	0.4	3871 MCB		2	6	6	N/A	5.20
13/L3	Undersink Htr	E	C	1	10	4	0.4	3871 MCB		2	40	6	N/A	0.78
14/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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed: N/A

Phase sequence confirmed (where appropriate): N/A

Supplementary Conductors: ✖

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

Zs: 0.3 Ω Ipf: N/A kA

Operating times of associated RCD (if any) At I Δ n: N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	N/A
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)											
1/L3				0.34		500		200	200	200	✓	0.51	N/A	N/A		NO
2/L3	0.27	0.27	0.51	0.29		500		200	200	200	✓	0.55	N/A	N/A		NO
3/L3	0.28	0.28	0.37	0.12		500		10	10	10	✓	0.51	N/A	N/A		NO
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3				0.18		500		200	200	200	✓	0.6	N/A	N/A		NO
6/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L3				0.76		250		10	10	10	✓	1.02	N/A	N/A		NO
8/L3				0.33		250		200	200	200	✓	0.62	N/A	N/A		NO
9/L3				0.47		250		20	20	20	✓	0.52	N/A	N/A		NO
10/L3				0.61		250		20	20	20	✓	0.92	N/A	N/A		NO
11/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L3				0.28		250		50	50	50	✓	0.33	N/A	N/A		NO
13/L3				0.16		500		200	200	200	✓	0.35	N/A	N/A		NO
14/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	27/01/2023

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Museum First floor landing

Distribution board designation: DB M2 F/Floor

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 M, 4/L1)

No of phases: 1 Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60898 MCB B 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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/L1	Skts Leeming	E	C	3	2.5	1.5	0.4	3871 MCB		2	32	6	N/A	0.97
2/L1	Skts Chamber& Lndg	E	C	11	2.5	1.5	0.4	3871 MCB		2	32	6	N/A	0.97
3/L1	Skts Leeming	E	C	5	2.5	1.5	0.4	3871 MCB		2	20	10	N/A	1.56
4/L1	2xSkts Leeming Rm	E	C	2	2.5	1.5	0.4	3871 MCB		2	20	6	N/A	1.56
5/L1	Htr Pnt Chamber	E	C	1	2.5	1.5	0.4	3871 MCB		2	20	6	N/A	1.56
6/L1	Lts Meeting & Attic	E	C	7	1.5	1.5	0.4	3871 MCB		2	6	6	N/A	5.20
7/L1	Lts Museum	E	C	3	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
8/L1	Lts Museum	E	C	4	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
9/L1	Lts Museum	E	C	6	1.0	1.0	0.4	3871 MCB		2	6	6	N/A	5.20
10/L1	Lts Store,WC& Lndg	E	C	10	1.5	1.5	0.4	3871 MCB		2	6	6	N/A	5.20
11/L1	Valve Not used	E	C	1	1.5	1.5	0.4	3871 MCB		2	6	6	N/A	5.20
12/L1	Skt Attic	E	C	1	2.5	1.5	0.4	3871 MCB		2	16	6	N/A	1.95
13/L1	Skt & Htg Boiler	E	C	2	1.5	1.5	0.4	3871 MCB		2	6	6	N/A	5.20
14/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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed: N/A

Phase sequence confirmed (where appropriate): N/A

Supplementary Conductors: ✖

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

Zs: 0.42 Ω Ipf: N/A kA

Operating times of associated RCD (if any) At I Δ n: N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	N/A
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	($R_1 + R_2$)	(R_2)											
1/L1	0.46	0.47	0.29	0.73	N/A	500	N/A	200	200	200	✓	0.43	N/A	N/A		NO
2/L1	0.34	0.34	0.74	0.29	N/A	500	N/A	200	200	200	✓	0.51	N/A	N/A		NO
3/L1	N/A	N/A	N/A	0.32	N/A	500	N/A	200	200	200	✓	0.62	N/A	N/A		NO
4/L1	N/A	N/A	N/A	0.28	N/A	500	N/A	30	30	30	✓	0.67	N/A	N/A		NO
5/L1	N/A	N/A	N/A	0.15	N/A	500	N/A	200	200	200	✓	0.69	N/A	N/A		NO
6/L1	N/A	N/A	N/A	0.45	N/A	250	N/A	200	200	200	✓	0.88	N/A	N/A		NO
7/L1	N/A	N/A	N/A	1.3	N/A	250	N/A	30	30	30	✓	0.91	N/A	N/A		NO
8/L1	N/A	N/A	N/A	1.5	N/A	250	N/A	30	30	30	✓	1.13	N/A	N/A		NO
9/L1	N/A	N/A	N/A	1.24	N/A	250	N/A	30	30	30	✓	1.41	N/A	N/A		NO
10/L1	N/A	N/A	N/A	1.04	N/A	250	N/A	50	50	50	✓	1.11	N/A	N/A		NO
11/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	200	200	200		N/A	N/A	N/A		NO
12/L1	N/A	N/A	N/A	0.1	N/A	500	N/A	200	200	200	✓	0.92	N/A	N/A		NO
13/L1	N/A	N/A	N/A	0.52	N/A	500	N/A	200	200	200	✓	0.75	N/A	N/A		NO
14/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature: R Holler

Position: Qualifying Manager

Name: Robert Holler

Date of testing: 27/01/2023

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Basement Cellar

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	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Zs (Ω)
					Live mm²	cpc mm²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)	Operating current (IΔn)	
1/TP	Sub Mains(DB M)	F	C	1	16	10	5	60898 MCB		B	63	6	N/A	0.69
2/L1	Sub Mains(DB F2)	F	C	1	16	16	5	60898 MCB		B	63	6	N/A	0.69
2/L2	Sub Mains(DB F1)	F	C	1	16	16	5	60898 MCB		B	63	6	N/A	0.69
2/L3	Sub Mains(DB L)	B	C	1	16	10	5	60898 MCB		B	63	6	N/A	0.69
3/L1	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	Fire Alarm	H	C	1	2.5	8.2	0.4	60898 MCB		B	6	6	N/A	7.28
4/L1	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3	Sub Mains(DB CR)	A	C	1	10	6	0.4	60898 MCB		B	32	6	N/A	1.37
5/L1	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	Sub Mains(DB P)	A	C	1	25	10	0.4	60898 MCB		B	63	6	N/A	0.69
6/L1	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	Way Not Available	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3	Computer Skts	A	B	2	4.0	2.5	0.4	60898 MCB		B	32	6	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

TO BE COMPLETED IN EVERY CASE

Correct supply polarity confirmed ✓

Phase sequence confirmed (where appropriate) N/A

Supplementary Conductors ✓

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

Zs N/A Ω Ipf N/A kA

Operating times of associated RCD (if any) At I Δ n N/A ms

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	16071130
Continuity	N/A	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation		
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	($R_1 + R_2$)	(R_2)											
1/TP				0.16		500	100	100	100	100	✓	0.35	N/A	N/A		NO
2/L1				0.2		250		115	115	114	✓	0.17	N/A	N/A		NO
2/L2				0.15		250		177	180	170	✓	0.16	N/A	N/A		NO
2/L3				0.06		250		45	45	45	✓	0.13	N/A	N/A		NO
3/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L3				0.35		250		45	50	40	✓	0.45	N/A	N/A		NO
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/L3				0.17		250		147	147	148	✓	0.51	N/A	N/A		NO
5/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3				0.06		250		25	40	25	✓	0.14	N/A	N/A		NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/L3				0.45		250		90	90	90	✓	0.68	N/A	N/A		NO

Tested By

Signature	R Holler	Position	Qualifying Manager
Name	Robert Holler	Date of testing	08/11/2019

Agreed limitations including the reasons, Continued. from page 1

tested due to need for high level access plant

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

been maintained in a satisfactory condition, and does not show evidence of deterioration. Minor evidence of wear nd tear has been recified during testing.

Observations Continued from Page 2

Item No	Description	Code
4	7.0 Current-using equipment (permanently connected) 7.3 Enclosure not damaged/deteriorated so as to impair safety, Comment: Spur to door entry is cracked. 2gang Light switch on landing is defective. Emergency light on first floor landing has cracked.acdessory box Water Heater cover is broken and insecure (Now disconnected from supply)	C3
5	6.0 Isolation and switching 6.1.1 Presence and condition of appropriate devices, Comment: Ladies WC Handryer & Handwash unit No Local Isolator found. All cabling tiled in building fabric.	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 FOR RECIPIENTS
(to be appended to the Report)

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

1. The purpose of this 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 a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. **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 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 or persons 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 skilled person or persons competent in electrical installation work 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. 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.