



ELECTRICAL INSTALLATION CONDITION REPORT

REPORT No: EICR-20230914083245

This report documents an accurate assessment of the condition of the electrical installation and whether it is fit for continued service in accordance with BS7671:2018+A2:2022 (18th Edition)

Unit 8, The Courtyard, Eastern Road
Bracknell
Berkshire
RG12 2XB

The following work was carried out at the address above

Supply arrangements, distribution boards, all final circuits

And was deemed to be:

SATISFACTORY

Company issuing this Report

Matt Browning Ltd.

54 Red Rose

Binfield

Berkshire

RG42 5LD

01344970002

office@mattbrowningelectrical.co.uk

CPS Enrolment No: NICEIC 600807

Issued on

09/09/2023

Inspected by

B PHILLIPS

B.P

Reviewed by

MATT BROWNING

MB

Recommended re-test

16/08/2028

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DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Client name Faronics		Address Unit 8, The Courtyard, Eastern Road	
Town Bracknell		County Berkshire	
Postcode RG12 2XB	Telephone -	Mobile -	Email -

REASONS FOR PRODUCING THIS REPORT

Reasons for producing this report Periodic Inspection to assess the condition of the fixed electrical installation for safe continued use	Date inspection carried out 16/08/2023
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DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier name Faronics	Evidence of additions/alterations <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not apparent <i>If yes, estimated age of alterations</i> N/A Years	Description of premises <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other -
Address Unit 8, The Courtyard, Eastern Road	Estimated age of the installation 20 Years	Installation records available <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Regulation 651.1)
Town Bracknell	Date of previous inspection 16/08/2018	Records held by CLIENT
County Berkshire		Previous report/certificate no 305348
Postcode RG12 2XB	Telephone -	

EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report
Supply arrangements, distribution boards, all final circuits

The inspection and testing in this report and accompanying schedules have been carried out in accordance with BS7671:2018+A2:2022 (18th Edition) 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.

Agreed & Operational limitations including the reasons (See Regulation 653.2) **Agreed with** C Martin

Number	Type	Limitation description
1	Agreed	ALL ACCESSIBLE SOCKETS WILL BE TESTED, 20% OF ACCESSORIES WILL BE OPENED FOR VISUAL INSPECTION, SOME TESTS MAY BE OMITTED OR VARIED TO AVOID DAMAGE TO VULNERABLE EQUIPMENT (EG. INSULATION RESISTANCE TESTED L N>E). HVAC CONTROL WIRING, SECURITY, FIRE, EMERGENCY LIGHTING, DATA, AND ACCESS CONTROL SYSTEMS NOT TESTED.

DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our 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 the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations as described above.

Overall assessment of the installation in terms of its suitability for continued use: **SATISFACTORY**

Inspected and tested by	Report authorised by
Name B PHILLIPS	Name MATT BROWNING
Signature B.P	Signature MB
Position ELECTRICIAN	Position ELECTRICAL ENGINEER
Date 16/08/2023	Date 09/09/2023

NEXT INSPECTION

I / We, recommend that this installation is further inspected and tested no later than 16/08/2028

SCHEDULE(S)

1 schedule(s) of inspection and 2 schedule(s) of test results are included in this report.

OBSERVATIONS AND RECOMMENDATIONS

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

C1	0 item(s)	C2	0 item(s)	C3	2 item(s)	FI	0 item(s)	N/A	0 item(s)	N/V	0 item(s)	X	0 item(s)
Danger present, risk of injury, immediate remedial action required		Potentially dangerous - urgent remedial action required		Improvement recommended		Further investigation required without delay		Not applicable		Not verified		See Notes for recipients	

The following observations and recommendations have been made

Item no	Inspection schedule item no	Observations and recommendations	Location	DB-Circuit / reference	Code
1	5.12	ABSENCE OF ADDITIONAL PROTECTION BY RCD NOT EXCEEDING 30mA FOR ALL SOCKET OUTLETS OF RATING OF 32A OR LESS.			C3
2	5.12	ABSENCE OF ADDITIONAL PROTECTION BY RCD NOT EXCEEDING 30mA FOR CABLES CONCEALED IN WALLS AT A DEPTH OF LESS THAN 50MM.			C3

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation(*in terms of electrical safety*)


THE INSTALLATION APPEARS TO BE IN SATISFACTORY CONDITION FOR SAFE CONTINUED USE. HOWEVER DUE TO THE AGE OF THE INSTALLATION THERE IS A LACK OF ADDITIONAL PROTECTION BY 30mA RCD FOR ALL SOCKET OUTLETS - IMPROVEMENT RECOMMENDED.

Where the overall assessment of the suitability of the installation for continued use below is stated as **UNSATISFACTORY**, I/we 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 F1). Observations classified as '*Improvement Recommended*' (Code C3) should be given due consideration.

Overall assessment of its suitability for continued use

SATISFACTORY

DETAILS OF THE COMPANY

Trading title Matt Browning Ltd.	Postcode RG42 5LD	Company email office@mattbrowningelectrical.co.uk
Address 54 Red Rose	Telephone no 01344970002	Website www.mattbrowningelectrical.co.uk
Town Binfield	Mobile number 07855676602	
County Berkshire	Enrolment no NICEIC 600807	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and type of live conductors	Nature of supply parameters	Supply Protective Device
TN-S <input type="checkbox"/>	a.c. <input checked="" type="checkbox"/> d.c. <input type="checkbox"/>	Nominal voltage - U 400 V U _o 230 V	BS(EN) 1361-II
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) <input type="checkbox"/> 1-phase (3 wire) <input type="checkbox"/> 2 pole <input type="checkbox"/>	Nominal frequency - f 50 Hz No of supplies 1	Type II
TN-C <input type="checkbox"/>	2-phase (3 wire) <input type="checkbox"/> 3 pole <input type="checkbox"/>	PFC - I _{pf} 2.1 kA Supply polarity confirmed <input checked="" type="checkbox"/>	Short circuit capacity (kA) 33
TT <input type="checkbox"/>	3-phase (3 wire) <input type="checkbox"/> 3-phase (4 wire) <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Earth loop impedance - Z _e 0.18 Ω	Rated current (A) 100
IT <input type="checkbox"/>			

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing Distributor's facility <input checked="" type="checkbox"/>	Details of installation earth electrode (where applicable) Type: eg rod, tape N/A Resistance to earth N/A Ω Earth electrode Location N/A Method of measurement N/A						
Main switch / switch fuse /circuit breaker / RCD		Earthing conductor	Main protective bonding conductors	Bonding of extraneous conductive parts			
Type BS(EN) 60439-3	Voltage rating 415 V	Conductor material Copper	Conductor material Copper	Water <input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/>			
No of poles 3	Rated current - I _n 100 A	Conductor csa (mm ²) 16	Conductor csa (mm ²) 10	Oil - Structural steel -			
Conductor material Copper	Fuse/device rating or setting N/A A	Continuity check <input checked="" type="checkbox"/>		Lightning protection - Other services -			
Conductor csa (mm ²) 25	RCD operating current, I _n N/A mA						
RCD time delay (ms) N/A ms	RCD operating time at IΔn N/A ms						
Location of main switch DB.1							
BONDING OUTCOMES	Pass <input checked="" type="checkbox"/>	Fail <input checked="" type="checkbox"/>	Non existent <input checked="" type="checkbox"/>	No access <input type="checkbox"/>	Not continuous <input type="checkbox"/>	Limitation LIM <input type="checkbox"/>	Not applicable N/A <input type="checkbox"/>

SCHEDULES OF INSPECTION

Acceptable condition		Unacceptable condition			Improvement recommended		Further investigation		Not verified		Lim		Not applicable	
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Item No	DESCRIPTION	OUTCOME See codes above
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)	
1.0	INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) An outcome against an item in this section, other than access to live parts, should NOT be used to determine the overall outcome.	
1.1	<ul style="list-style-type: none"> - Service cable - Service head - Earthing arrangement - Meter tails - Metering equipment - Isolator (where present) <p>NOTE 1: Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and / or duty holder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority.</p> <p>NOTE 2: For this section only, where inadequacies are found, an 'X' should be put against the appropriate item and a comment made in the Observations and Recommendations section.</p> <p>Person ordering work / duty holder notified (YES / NO / N/A)</p>	
1.2	Consumer's isolator (where present)	
1.3	Consumer's meter tails	
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)	
2.0	Presence of adequate arrangements for other sources such as microgenerators (551.6; 551.7)	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)	
3.1	Presence and condition of distributor's earthing arrangements (542.1.2.1; 542.1.2.2)	
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	
3.6	Confirmation of main protective bonding conductor sizes (544.1)	
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	
4.2	Security of fixing (134.1.1)	
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	
4.6	Presence of main linked switched (as required by 462.1.201)	
4.7	Operation of main switch (functional check) (643.10)	
4.8	Manual operation of circuit breakers and RCD's to prove disconnection (643.10)	
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	
4.11	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	
4.12	Presence of other required labelling (please specify) (Section 514)	

Item No	DESCRIPTION	OUTCOME See codes above
cont'd	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.13	Compatibility of protective devices, bases and other components, correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	✓
4.14	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓
4.15	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	✓
4.16	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	✓
4.17	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A
4.18	RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1)	N/A
4.19	Confirmation of indication that SPD is functional (651.4)	N/A
4.20	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A
4.22	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A
5.0	FINAL CIRCUITS	
5.1	Identification of conductors (514.3.1)	✓
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	✓
5.3	Condition of insulation of live parts (416.1)	✓
5.4	Non sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) * To include the integrity of conduit and trunking systems (metallic and plastic)	✓
5.4.1	To include the integrity of conduit and trunking systems (metal and plastic) * To include the integrity of conduit and trunking systems (metallic and plastic)	✓
5.5	Adequacy of cables for current carrying capacity with regard for the type and nature of installation (Section 523)	✓
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	✓
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓
5.10	Concealed cables installed in prescribed zones (see Extent and limitations) (522.6.202)	✓
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Extent and limitations) (522.6.204;)	✓
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA	○
	* for all socket outlets of rating 32A or less, unless an exception is permitted (411.3.3)	C3
	* for supply to mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	N/A
	* for cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	C3
	* for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	N/A
	* for final circuits supplying luminaires within domestic (household) premises (411.3.4)	N/A

Item No	DESCRIPTION	OUTCOME See codes above
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓
5.14	Band II cables segregated/separated from Band I cables (528.1)	✓
5.15	Cables segregated/separated from communications cabling (528.2)	✓
5.16	Cables segregated/separated from non-electrical services (528.3)	✓
5.17	Termination of cables at enclosures - indicate extent of sampling in Extent of Limitations of the report (Section 526)	✓
	* Connections soundly made and under no undue strain (526.6)	✓
	* No basic insulation of a conductor visible outside enclosure (526.8)	✓
	* Connections of live conductors adequately enclosed (526.5)	✓
	* Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (v))	✓
5.19	Suitability of accessories for external influences (512.2)	✓
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (704.411.3.3)	N/A
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 2.5m from zone (701.512.3)	N/A
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A
6.7	Suitability of accessories and control-gear etc. for a particular zone (701.512.3)	N/A
6.8	Suitability of current using equipment for particular position within the location (701.55)	N/A
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
Inspected by		
Name (Capitals)	Signature	Date
B PHILLIPS	B.P	16/08/2023

Report produced by electraform based on the MODEL FORM from BS7671:2018+A2:2022 (18th Edition)

DB-1 - STAIRCASE CUPBOARD - (MEMSHIELD-2) (36 ways)

Applies in every case				Characteristics at this board							
DB name	DB-1	Supplied from	Origin	Supply polarity confirmed <input checked="" type="checkbox"/>							
Location	STAIRCASE CUPBOARD	No of circuits	36	No of phases	3	Phase sequence confirmed <input checked="" type="checkbox"/>					
SPD Details	Type T1	N/A	Type T2	N/A	Type T3	N/A	SPD Operation status confirmed <input type="checkbox"/> N/A				
Overcurrent protective device for the supply circuit				Measurements at this board							
BS(EN)	1361-II	Rating (A)	100	Voltage Rating (V)	415	Zs (Ω)	0.18	Ipf (kA)	2.1	IΔn (ms)	N/A
Main switch at this board											
BS(EN)	60947-3	Rating (A)	100	Voltage Rating (V)	415	Fault current rating (kA)	-	RCD Rating (mA)	N/A	IΔn (ms)	N/A

CIRCUIT DETAILS

Cct No	Designation	No of points	Wiring type	Ref method	Conductors			Overcurrent devices					RCD	
					Live (mm ²)	cpc (mm ²)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	RCD type	IΔn (mA)
1L1	G/FLOOR LIGHTING	6	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
1L2	F/FLOOR LIGHTING	7	A	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
1L3	G/FLOOR LIGHTING	8	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
2L1	G/FLOOR LIGHTING	7	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
2L2	F/FLOOR LIGHTING	6	A	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
2L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
3L1	G/FLOOR LIGHTING	9	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
3L2	F/FLOOR LIGHTING	4	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
3L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
4L1	G/FLOOR LIGHTING	7	B	B	1.5	1.5	0.4	60898-B	10	10	230	3.5	-	N/A
4L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
5L1	FLOOR BOXES	3	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
5L2	FLOOR BOXES	6	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
5L3	G/FLOOR SOCKETS	3	B	B	2x2.5	2x2.5	0.4	60898-B	32	10	230	1.10	-	N/A
6L1	G/FLOOR SOCKETS / SPUR	1	B	B	2x2.5	2x2.5	0.4	60898-B	32	10	230	1.10	-	N/A
6L2	SECURITY ALARM	6	B	B	1.5	1.5	0.4	60898-B	6	10	230	5.87	-	N/A
6L3	FLOOR BOXES	3	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
7L1	FLOOR BOXES	3	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
7L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
7L3	F/FLOOR SOCKETS	2	B	B	2x2.5	2x2.5	0.4	60898-B	32	10	230	1.10	-	N/A
8L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
8L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
8L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
9L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
9L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
9L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
10L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
10L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
10L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
11L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
11L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
11L3	DOOR BELL SFCU	1	B	B	1.5	1.5	0.4	60898-B	6	10	230	5.87	-	N/A
12TP	Supply to - DB-2	1	D	B	10	10	5	60898-C	63	10	230	0.28	-	N/A

TEST RESULTS DB-1 - STAIRCASE CUPBOARD - (MEMSHIELD-2 36 ways)

Cct No	Designation	Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance			Polarity	Meas Zs (Ω)	Meas kA	RCD		AFDD	Circuit vulnerable to test
		(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)				RCD at IΔn (ms)	RCD Test button	AFDD Test button	
1L1	G/FLOOR LIGHTING	N/A	N/A	N/A	0.85	N/A	500	LIM	>200	✓	1.03	N/A	N/A	N/A	N/A	Yes
1L2	F/FLOOR LIGHTING	N/A	N/A	N/A	1.42	N/A	500	LIM	>200	✓	1.60	N/A	N/A	N/A	N/A	Yes
1L3	G/FLOOR LIGHTING	N/A	N/A	N/A	0.37	N/A	500	LIM	>200	✓	0.55	N/A	N/A	N/A	N/A	Yes
2L1	G/FLOOR LIGHTING	N/A	N/A	N/A	0.61	N/A	500	LIM	>200	✓	0.79	N/A	N/A	N/A	N/A	Yes
2L2	F/FLOOR LIGHTING	N/A	N/A	N/A	1.52	N/A	500	LIM	>200	✓	1.70	N/A	N/A	N/A	N/A	Yes
2L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3L1	G/FLOOR LIGHTING	N/A	N/A	N/A	0.56	N/A	500	LIM	>200	✓	0.74	N/A	N/A	N/A	N/A	Yes
3L2	F/FLOOR LIGHTING	N/A	N/A	N/A	LIM	N/A	500	LIM	>200	LIM	LIM	N/A	N/A	N/A	N/A	Yes
3L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L1	G/FLOOR LIGHTING	N/A	N/A	N/A	0.52	N/A	500	LIM	>200	✓	0.70	N/A	N/A	N/A	N/A	Yes
4L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L1	FLOOR BOXES	N/A	N/A	N/A	0.18	N/A	500	LIM	>200	✓	0.36	N/A	N/A	N/A	N/A	Yes
5L2	FLOOR BOXES	N/A	N/A	N/A	0.17	N/A	500	LIM	>200	✓	0.35	N/A	N/A	N/A	N/A	Yes
5L3	G/FLOOR SOCKETS	0.21	0.21	0.21	0.10	N/A	500	LIM	>200	✓	0.28	N/A	N/A	N/A	N/A	Yes
6L1	G/FLOOR SOCKETS / SPUR	0.09	0.09	0.09	0.05	N/A	500	LIM	>200	✓	0.23	N/A	N/A	N/A	N/A	Yes
6L2	SECURITY ALARM	N/A	N/A	N/A	0.10	N/A	500	LIM	999	✓	0.28	N/A	N/A	N/A	N/A	Yes
6L3	FLOOR BOXES	N/A	N/A	N/A	0.22	N/A	500	LIM	>200	✓	0.40	N/A	N/A	N/A	N/A	Yes
7L1	FLOOR BOXES	N/A	N/A	N/A	0.20	N/A	500	LIM	>200	✓	0.38	N/A	N/A	N/A	N/A	Yes
7L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7L3	F/FLOOR SOCKETS	0.08	0.08	0.08	0.04	N/A	500	LIM	>200	✓	0.22	N/A	N/A	N/A	N/A	Yes
8L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L1	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L3	DOOR BELL SFCU	N/A	N/A	N/A	0.15	N/A	500	LIM	999	✓	0.33	N/A	N/A	N/A	N/A	Yes
12TP	Supply to - DB-2	N/A	N/A	N/A	0.02	N/A	500	999	999	✓	0.20	2.1	N/A	N/A	N/A	Yes

ENGINEER AND TEST INSTRUMENTS

Multifunction MB009	Continuity -	Insulation resistance -	EFLI Tester -	RCD tester -
Tested by (Capitals) B PHILLIPS	Signature B.P		Date 16/08/2023	

DB-2 - STAIRCASE CUPBOARD - (MEMSHEILD- 2) (6 ways)

Applies in every case			Applies when the board is not connected to the origin			Characteristics at this board					
DB name	DB-2		Supplied from	DB-1 - Cct-12TP		Supply polarity confirmed	<input checked="" type="checkbox"/>				
Location	STAIRCASE CUPBOARD		No of circuits	6	No of phases	3	Phase sequence confirmed	<input checked="" type="checkbox"/>			
SPD Details			Type T1	N/A	Type T2	N/A	Type T3	N/A			
Overcurrent protective device for the supply circuit						Measurements at this board					
BS(EN)	60898-C	Rating (A)	63	Voltage Rating (V)	230	Zs (Ω)	0.20	Ipf (kA)	2.1	IΔn (ms)	N/A

CIRCUIT DETAILS

Cct No	Designation	No of points	Wiring type	Ref method	Conductors			Overcurrent devices					RCD	
					Live (mm ²)	cpc (mm ²)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	RCD type	IΔn (mA)
1L1	FLOOR SOCKETS	3	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
1L2	FLOOR SOCKETS	6	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
1L3	FLOOR SOCKETS	6	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
2L1	FLOOR SOCKETS	3	F	B	6	6	0.4	60898-B	32	10	230	1.10	-	N/A
2L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-
2L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-

TEST RESULTS DB-2 - STAIRCASE CUPBOARD - (MEMSHEILD- 2 6 ways)

Cct No	Designation	Ring final circuits (measured end to end)			At least one column to be completed		Insulation resistance			Polarity	Meas Zs (Ω)	Meas kA	RCD		AFDD	Circuit vulnerable to test
		(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)				RCD at IΔn (ms)	RCD Test button	AFDD Test button	
1L1	FLOOR SOCKETS	N/A	N/A	N/A	0.19	N/A	500	LIM	999	✓	0.39	N/A	N/A	N/A	N/A	Yes
1L2	FLOOR SOCKETS	N/A	N/A	N/A	0.21	N/A	500	LIM	999	✓	0.41	N/A	N/A	N/A	N/A	Yes
1L3	FLOOR SOCKETS	N/A	N/A	N/A	0.15	N/A	500	LIM	999	✓	0.35	N/A	N/A	N/A	N/A	Yes
2L1	FLOOR SOCKETS	N/A	N/A	N/A	0.26	N/A	500	LIM	999	✓	0.46	N/A	N/A	N/A	N/A	Yes
2L2	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2L3	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS

Multifunction MB009	Continuity -	Insulation resistance -	EFLI Tester -	RCD tester -
Tested by (Capitals) B PHILLIPS	Signature B.P		Date 16/08/2023	

Report produced by electroform based on the MODEL FORM from BS7671:2018+A2:2022 (18th Edition)

CONDITION REPORT GUIDANCE FOR RECIPIENTS

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

1. The purpose of this Report is to confirm, as far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see *SUMMARY OF THE CONDITION OF THE INSTALLATION*). The Report should identify any damage, deterioration, defects, and / or conditions which may give rise to danger (see *OBSERVATIONS AND RECOMMENDATIONS*).
2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results.
3. The person ordering the Report should have received this Report without watermarks and the inspector / company should have retained a duplicate.
4. This 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.
5. The *EXTENT AND LIMITATIONS* section 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 the *EXTENT AND LIMITATIONS* section.
7. For items classified in the *OBSERVATIONS AND RECOMMENDATIONS* section 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 the *OBSERVATIONS AND RECOMMENDATIONS* section 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 the *OBSERVATIONS AND RECOMMENDATIONS* section that an observation requires further investigation (Code F1) 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 *SUMMARY OF THE CONDITION OF THE INSTALLATION*)).
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 can be found in the DECLARATION section of the Report.
11. **INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)**
EXPLANATION OF CLASSIFICATION CODE X
 An outcome against an item in this section, other than access to live parts, should NOT be used to determine the overall outcome.

NOTE 1: Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and / or duty holder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority.

NOTE 2: For this section only, where inadequacies are found, an X should be put against the appropriate item and a comment made in the Observations and Recommendations section.

12. Where the installation includes a Residual Current Device (RCD) it should be tested 6 monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. **For safety reasons it is important that this instruction is followed.**
13. Where the installation includes an Arc Fault Detection Device (AFDD) having a manual test facility it should be tested 6 monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.
14. Where the installation includes a Surge Protective Device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. **For safety reasons it is important this safety instruction is followed.**
15. Where the installation includes alternative or additional sources of supply warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.

CODES FOR TYPE OF WIRING

A	B	C	D	E	F	G	H	O (Other)
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic / SWA cables	Thermosetting / SWA cables	MICC cables	Other cable types not listed here
FP	TR	HT	SY	YY	CY	VIR		
FP 200 - standard fire resistant cable	Tri-rated - BS 6231 high temperature - flame retardant cable	Hi Tuff - waterproof with a tough PVC sheathing for outdoor use	SY cable - flexible instrumentation cable with a galvanised steel wire braid	YY cable - flexible instrumentation cable	CY cable - flexible instrumentation cable with a tinned copper wire braid and a PETP separator	VIR - Vulcanised Indian Rubber cable - no longer manufactured		

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