

SECTION A: DETAILS OF THE CLIENT

Name	UNITE INTEGRATED SOLUTIONS PLC	Address	SOUTH QUAY HOUSE TEMPLE BACK BRISTOL BS1 6FL

SECTION B: REASON FOR PRODUCING THIS REPORT

Safety assessment requested by client

Dates on which the inspection and testing was carried out	05 Aug 2021

SECTION C: DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier	UNITE STUDENTS CAMBRIAN POINT	Address	MAINDY ROAD CARDIFF CF244HJ

Description of premises: Domestic ☐ Commercial ☒ Industrial ☐ Other ☐ -

Estimated age of the installation	15 years	Evidence of additions/alterations	☒ If yes, estimated age	2 years

Installation records available? (Regulation 651.1)	☐ Date of last inspection	-

SECTION D: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the installation covered by this report

100% OF THE INSTALLATION AS AGREED

Agreed limitations including reasons (see Regulation 653.2).	Agreed with: CLIENT

1	The primary overcurrent device for the installation is unknown.
2	NO IR TESTING BETWEEN L-N ON LIGHTING/SENSITIVE CIRCUITS
3	NO INSPECTION AND TESTING CARRIED OUT ON ELECTRICAL EQUIPMENT LOCATED AT A HEIGHT GREATER THAN 3M
4	NO DE-ENERGISING CRITICAL CIRCUITS WHICH CAN AFFECT OPERATION OF BUSINESS
5	Inspection Schedule Item 5.10: Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202).
6	Inspection Schedule Item 5.11: Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.202).

Extent of sampling

VARIABLE TO OPERATIONAL REQUIREMENTS.

Operational limitations including the reasons

NO ACCESS TO SUPPLY AUTHORITY CUT OUT FUSES TO DETERMINE RATING.

ACCESSIBLE AREAS ONLY AND AS PER CLIENT SPECIFICATION. LIMITED TESTING ON SERVERS, CCTV & FIRE ALARM CIRCUITS.

UNABLE TO MEASURE EXTERNAL EARTH FAULT LOOP IMPEDANCE (ZE) WITH THE MAIN EARTH DISCONNECTED DUE TO OPERATIONAL REQUIREMENTS.

INSULATION RESISTANCE TESTING BETWEEN L - E ONLY. Reg 643.3.3

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) as amended to 2020.

It should be noted that cables concealed within trunking and conduits, under floor, 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.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Installation meets standards regarding earthing. Wear and tear is evident. There are damaged accessories throughout the installation & several open ring mains.

Switchgear is suitable, however some Rco's are not functioning. Type of wiring system is appropriate.

Overall assessment of the installation in terms of its suitability for continued use	UNSATISFACTORY

An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

SECTION F: RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use above 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 FI).

Observations classified as "Improvement recommended" (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that the installation be further inspected and tested by	05 Aug 2026

Reason for the choice of time interval to the next inspection of the installation.

AS RECOMMENDED IN GUIDANCE NOTE 3 - TABLE 3.2

SECTION G: 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 of inspection and testing in section D of this report.

Inspection and tested by:				Report authorised for issue by:			
Name	STEPHEN PENDER			Name	RICHARD BEACH		
Position	ELECTRICAL TEST ENGINEER	Date	05 Aug 2021	Position	QUALIFIED SUPERVISOR	Date	10 Aug 2021
Signature				Signature			

Details of the contractor

Trading title	Data Facilities (Yorkshire)Ltd	Enrolment/branch	043888 / N/A
Address	Suite 4 The Crown Works Lairgate Beverley East Yorkshire HU17 8ET	Telephone	01482 880632

SECTION H: SCHEDULE

The following items are part of this document and this report is valid only when they are to it:

270	observations.
86	items in the schedule of inspection.
140	schedule(s) of test results for boards with a total of 1863 circuits.

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors		Nature of Supply Parameters			Supply Protective Device		
TN-S ☒	AC ☒	DC ☐	Nominal voltage U/U	400 / 230.0	V	BS (EN)	LIM	
TN-C-S ☐	1-phase, 2-wire ☐	2-wire ☐	Nominal frequency f *		50.0	Hz	Type	LIM
TN-C ☐	1-phase, 3-wire ☐	3-wire ☐	Prospective fault current I _{pf} **		38.8	kA	Rated current	- A
TT ☐	2-phase, 3-wire ☐	Other N/A	External loop impedance Z _e **		0.01	Ω	Short-circuit capacity	- kA
IT ☐	3-phase, 3-wire ☐		Maximum demand		-	A		
-	3-phase, 4-wire ☒		Number of supplies		1			
	Confirmation of supply polarity	YES						

* By enquiry
** By enquiry or measurement

Other sources of supply

-

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing		Details of Installation Earth Electrode (where applicable)	
Distributor's facility	☒	Type	-
Installation earth electrode	☐	Location	-
		Resistance to earth	- Ω

Main Protective Conductors

Earth Conductor	Material	Copper	csa	240	mm ²	Continuity verified	PASS	Connection verified	PASS
Main protective bonding conductors (to extraneous-conductive-parts)	Material	Copper	csa	50	mm ²	Continuity verified	PASS	Connection verified	PASS
To water installation pipes	PASS	To gas installation pipes	N/A	To oil installation pipes	N/A	To structural steel	N/A		
To lightning protection	PASS	To other	N/A	Specify	-				

PASS: the item has passed. FAIL: the item has failed. LIM: there are limitations that apply to the item. N-C: the item is not continuous. N/A: the item is not available.

Main Switch / Switch-Fuse / Circuit Breaker / RCD

Location	MAIN SWITCH ROOM		-	If RCD main switch					
BS(EN)	60947-2	Poles	-	Current rating	1600.0	A	Rated residual operating current (I _{Δn})	-	mA
Supply conductors material	Copper		Fuse/device rating or setting	1600	A	Rated time delay	-	ms	
Supply conductors csa	500	mm ²	Voltage rating	400.0	V	Measured operating time	-	ms	

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
1	CABLING NOT SUPPORTED WITHIN FLAT SERVICES CUPBOARDS THROUGHOUT INSTALLATION	General	C3
2	SEVERAL LABELS MISSING FROM SWITCHGEAR THROUGHOUT INSTALLATION	General	C3
3	Inspection Schedule Item 4.1: Adequacy of working space/accessibility to consumer unit/distribution board (132.12: 513.1). is recommended for improvement.	General	C3
4	Inspection Schedule Item 4.2: Security of fixing (134.1.1). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
5	Inspection Schedule Item 4.3: Condition of enclosure(s) in terms of IP rating etc. (416.2). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
6	Inspection Schedule Item 4.8: Manual operation of circuit-breakers and RCDs to prove disconnection (643.10). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
7	Inspection Schedule Item 4.9: Correct identification of circuit details and protective devices (514.8.1; 514.9.1). is recommended for improvement.	General	C3
8	Inspection Schedule Item 4.13: Presence of other required labelling (please specify) (Section 514). is recommended for improvement.	General	C3
9	Inspection Schedule Item 4.18: RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
10	Inspection Schedule Item 4.19: RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1). is in a potentially dangerous condition. Urgent remedial action is required.	General	C2
11	Inspection Schedule Item 5.2: Cables correctly supported throughout their run (521.10.202; 522.8.5). is recommended for improvement. AS PER ITEMS LISTED.	General	C3
12	Inspection Schedule Item 5.4.1: To include the integrity of conduit and trunking systems (metallic and plastic). is recommended for improvement. AS PER ITEMS LISTED.	General	C3
13	Inspection Schedule Item 5.12.1: for all socket-outlets of rating 32 A or less. unless an exception is permitted (411.3.3). is recommended for improvement.	General	C3
14	Inspection Schedule Item 5.12.2: for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3). is recommended for improvement.	General	C3
15	Inspection Schedule Item 5.12.3: for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203). is recommended for improvement.	General	C3
16	Inspection Schedule Item 5.17.4: Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
17	Inspection Schedule Item 5.18: Condition of accessories including socket-outlets, switches and joint boxes (651.2(v)). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
18	Inspection Schedule Item 5.4: Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED.	General	C2
19	SCREWS MISSING FROM DB	DB FLAT 18	C2
20	COOKER UNIT HAS FAULTY NEON	DB FLAT 16	C2
21	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW.	DB FLAT 16 - 4	C2
22	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS BELOW.	DB FLAT 16 - 4	C2
23	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD.	DB FLAT 16 - 4	C2
24	TRUNKING END CAP MISSING IN ROOM 6	DB FLAT 101	C3
25	CT 6 NEON FAULTY ON D/P SWITCH	DB FLAT 101	C2
26	CTS 5 & 6 - 2 X NEONS FAULTY ON D/P SWITCHES	DB FLAT 99	C2
27	TRUNKING END CAPS MISSING IN ROOMS 1/2/3/4/5/6	DB FLAT 99	C3
28	TRUNKING END CAP MISSING IN ROOM 4	DB FLAT 90	C3
29	CT 5- NEON FAULTY ON D/P SWITCH	DB FLAT 90	C2
30	TRUNKING END CAPS MISSING FROM ROOMS 1/2/4	DB FLAT 84	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
31	DB BLANK MISSING	DB FLAT 83	C2
32	CTS 5 & 6 - NEONS ON D/P SWITCHES FAULTY	DB FLAT 83	C2
33	TRUNKING END CAP MISSING IN ROOM 4	DB FLAT 83	C3
34	DB COVER SCREW MISSING	DB FLAT 82	C3
35	CT 5 - NEON ON D/P SWITCH FAULTY	DB FLAT 82	C2
36	CRACKED TWIN SOCKET IN ROOM 1	DB FLAT 82	C2
37	TRUNKING END CAPS MISSING IN ROOMS 1/2	DB FLAT 82	C3
38	2 GANG LIGHT SWITCH IN ROOM 4 FAULTY	DB FLAT 82	C2
39	CT 1 - COOKER D/P SWITCH CRACKED	DB FLAT 116	C2
40	CT 5 - NEON FAULTY ON D/P SWITCH	DB FLAT 116	C2
41	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 116 - 2	C2
42	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 115	C2
43	CTS 5 & 6 - 2 X NEONS FAULTY ON D/P SWITCHES	DB FLAT 114	C2
44	CT 6 - NUT MISSING FROM IMMERSOR COVER (4mm Nut)	DB FLAT 114	C2
45	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 114 - 3	C2
46	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 112	C2
47	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 111	C2
48	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 111 - 4	C2
49	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 51	DB FLAT 111 - 7	C2
50	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 51	DB FLAT 111 - 7	C2
51	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 10A 61009 REQD.	DB FLAT 111 - 7	C2
52	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 110	C2
53	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 109 - 4	C2
54	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 108	C2
55	CT 5 - NEON ON D/P SWITCH FAULTY	DB FLAT 105	C2
56	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 105 - 3	C2
57	DB BLANK MISSING	DB FLAT 104	C2
58	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 104	C2
59	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 104 - 3	C2
60	CT 2 - FAULTY TWIN SOCKET IN KITCHEN	DB FLAT 103	C2
61	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 103	C2
62	CT 6 - NEON ON D/P SWITCH FAULTY	DB FLAT 102	C2
63	CT 7 - TRACE HEATING NOT SUITABLY GLANDED AT JUNCTION BOX	DB FLAT 102	C2

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
64	CRACKED TWIN SOCKET IN ROOM 1	DB FLAT 102	C2
65	SOCKET ABOVE BED NOT SECURE IN ROOM 4	DB FLAT 102	C2
66	SOCKET IN KITCHEN UNDER TV FAULTY	DB FLAT 102	C2
67	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 102 - 3	C2
68	CTS 5 & 6 NEONS ON D/P SWITCHES FAULTY	DB FLAT 81	C2
69	TRUNKING END CAPS MISSING IN ROOMS 1/2	DB FLAT 81	C3
70	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 81 - 3	C2
71	DB COVER FLAP NOT SECURE	DB FLAT 87	C3
72	TRUNKING END CAPS MISSING IN ROOMS 1/2/3/4/5	DB FLAT 98	C3
73	ROOM-5 FAULTY 2 GANG LIGHT SWITCH	DB FLAT 98	C2
74	DB BLANK MISSING	DB FLAT 89	C2
75	CT 6- FAULTY NEON ON D/P SWITCH	DB FLAT 88	C2
76	ROOM 2 TRUNKING NOT SECURELY FIXED	DB FLAT 88	C2
77	FAULTY NEON ON HOB D/P SWITCH	DB FLAT 92	C2
78	ROOM 5 TRUNKING NOT SECURE	DB FLAT 92	C2
79	FLAT 1 FAULTY 2 GANG LIGHT SWITCH	DB FLAT 86	C2
80	FLAT 1 TRUNKING NOT SECURELY FIXED	DB FLAT 86	C2
81	FLAT 2 TRUNKING END CAP MISSING	DB FLAT 86	C3
82	EXTERNAL SOCKET NOT SECURED	LANDLORDS DB F	C2
83	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB F	C3
84	CIRCUIT 1 SOCKET CIRCUIT WITH NO RCD PROTECTION WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS.	LANDLORDS DB F	C3
85	AOV PANEL MISSING ITS FRONT COVER	LANDLORDS DB F	C3
86	ROOM 104 LIGHT FITTING CPC HAS BEEN CUT AWAY	LANDLORDS DB F	C2
87	LIVE CABLING TAPED UP WITHIN CORRIDOR LIGHT 4TH FLOOR	LANDLORDS DB F	C2
88	DB NOT OFFERING CORRECT IP PROTECTION BASE OF DB	LANDLORDS DB F	C2
89	TRUNKING NOT SECURELY FIXED IN ROOMS 2 & 5	DB FLAT 94	C2
90	1 X DB COVER SCREW MISSING	DB FLAT 97	C3
91	TRUNKING END CAPS MISSING FROM ROOMS 1/2/3/4/5	DB FLAT 97	C3
92	TRUNKING END CAP MISSING IN ROOMS 1/3/4/5	DB FLAT 100	C3
93	CRACKED TWIN SOCKET IN ROOM 3	DB FLAT 100	C2
94	DB AT TOP LEFT CORNER IS DENTED	DB FLAT 6	C3
95	IMMERSION HEATER SPUR NEON FAULTY	DB FLAT 2	C2
96	IMMERSION HEATERS X 2 NEONS ARE FAULTY	DB FLAT 5	C2

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
97	SCREW MISSING FROM DB LID	DB FLAT 9	C3
98	DB MISSING BLANKS	DB FLAT 9	C2
99	IMMERSION HEATER 1 FCU NOT SECURED TO PLASTER ADEQUATELY	DB FLAT 9	C2
100	SCREW MISSING FROM DB LID	DB FLAT 8	C3
101	IMMERSION HEATER 2 NEON FAULTY	DB FLAT 8	C2
102	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 103	DB FLAT 8 - 4	C2
103	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD.	DB FLAT 8 - 4	C2
104	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 103	DB FLAT 8 - 4	C2
105	DB BLANK MISSING	DB FLAT 12	C2
106	IMMERSION HEATER 2 NEON FAULTY	DB FLAT 12	C2
107	DB MISSING 1 X BLANK	DB FLAT 11	C2
108	IMMERSION HEATER 2 NEON FAULTY	DB FLAT 11	C2
109	2 X WATER HEATER SPURS HAVE FAULTY NEONS	DB FLAT 15	C2
110	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 112	DB FLAT 15 - 4	C2
111	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 112	DB FLAT 15 - 4	C2
112	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD.	DB FLAT 15 - 4	C2
113	SCREW MISSING FROM DB LID	DB FLAT 17	C3
114	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW.	DB FLAT 17 - 6	C2
115	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 16A 61009 REQD.	DB FLAT 17 - 6	C2
116	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE.	DB FLAT 17 - 6	C2
117	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW.	DB FLAT 3 - 6	C2
118	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 16A 61009 REQD.	DB FLAT 3 - 6	C2
119	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE.	DB FLAT 3 - 6	C2
120	DB LID FLAP IS MISSING	DB FLAT 1	C3
121	IMMERSION SPURS HAVE FAULTY NEONS	DB FLAT 1	C2
122	SCREW MISSING FROM DB LID	DB FLAT 33	C3
123	BLANK MISSING FROM DB LID	DB FLAT 33	C2
124	KITCHEN RING, DIFFERENTIAL BETWEEN LIVE AND NEUTRAL RING READINGS.	DB FLAT 33	C2
125	2 X IMMERSION HEATER NEONS FAULTY	DB FLAT 32	C2
126	DAMAGED DADO END CAP IN ROOM 3	DB FLAT 32	C3
127	CRACKED TWIN SOCKET IN ROOM 6	DB FLAT 117	C2
128	CTS 5 & 6 - 2 X NEONS ON D/P SWITCHES FAULTY	DB FLAT 117	C2

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
129	3 X SPURS WITHIN DB CUPBOARD NOT ADEQUATELY SECURED DUE TO BACK BOX NOT FLUSH WITH WALL	DB FLAT 31	C2
130	DADO MISSING END CAP IN ROOM 4	DB FLAT 31	C3
131	OVEN DP SWITCH CONNECTED INCORRECTLY	DB FLAT 30	C2
132	BEDROOM 1 MISSING DADO END CAP	DB FLAT 30	C3
133	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 30 - 2	C2
134	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 30 - 2	C2
135	CRACKED SOCKET IN ROOM 1	DB FLAT 28	C2
136	MISSING DADO END CAP IN ROOM 1	DB FLAT 28	C3
137	SPURS ADJACENT TO DB NOT SECURED ADEQUATELY DUE TO PLASTER BOARD.	DB FLAT 25	C3
138	FAULTY SINGLE SOCKET IN ROOM 5	DB FLAT 24	C2
139	SCREW MISSING DB LID	DB FLAT 22	C3
140	IMMERSSION SPUR NEON NOT OPERATING	DB FLAT 22	C2
141	FAULTY 2 GANG SWITCH IN ROOM 4	DB FLAT 22	C2
142	CRACKED SINGLE SOCKET IN ROOM 4	DB FLAT 22	C2
143	IMMERSSION SPUR NEON FAULTY	DB FLAT 21	C2
144	BEDROOMS 1 + 4 MISSING DADO END CAP	DB FLAT 21	C3
145	IMMERSSION HEATERS NEONS NOT OPERATING	DB FLAT 59	C2
146	BEDROOM 1 SINGLE SOCKET EVIDENCE OF OVER HEATING AT SOCKET NEUTRAL TERMINAL	DB FLAT 58	C2
147	FAULTY 2GANG SWITCH IN ROOM 4	DB FLAT 57	C2
148	DADO END CAP MISSING IN ROOM 4	DB FLAT 55	C3
149	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 54 - 3	C2
150	DB LID FLAP IS MISSING	DB FLAT 53	C3
151	ROOM 5 MISSING DADO END CAP	DB FLAT 52	C3
152	HOB FAST FIX DUAL BACK BOX BROKEN	DB FLAT 52	C2
153	SCREW MISSING FROM DB LID	DB FLAT 51	C3
154	IMMERSSION SPUR NEON FAULTY	DB FLAT 51	C2
155	IMMERSSION SPUR NEON IS FAULTY	DB FLAT 50	C2
156	IMMERSSION SPUR NEON IS FAULTY	DB FLAT 49	C2
157	CRACKED TWIN SOCKET IN KITCHEN	DB FLAT 48	C2
158	DADO END CAPS MISSING IN ROOMS 4+5	DB FLAT 46	C3
159	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 46	C2
160	DADO TRUNKING END CAP MISSING ROOM 5	DB FLAT 45	C3
161	IMMERSSION SPUR NEON NOT OPERATING	DB FLAT 44	C2
162	DADO TRUNKING END CAP MISSING ROOM 5	DB FLAT 44	C3
163	IMMERSSION HEATER SPUR NEON IS FAULTY	DB FLAT 43	C2

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
164	DADO NOT SECURE IN ROOM 3	DB FLAT 43	C2
165	DADO END CAP MISSING IN ROOM 1	DB FLAT 43	C3
166	HOB BACK BOX BROKEN	DB FLAT 42	C2
167	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 41 - 2	C2
168	2 GANG LIGHT SWITCH FAULTY IN BEDROOM 1	DB FLAT 40	C2
169	DADO END CAP MISSING IN ROOM 6	DB FLAT 40	C3
170	END CAP MISSING FROM DADO IN ROOM 1+3	DB FLAT 39	C3
171	MAIN WATER BOND NOT CONNECTED WITHIN CUPBOARD	DB FLAT 39	C2
172	IMMERSSION HEATER SPUR NEON IS FAULTY	DB FLAT 76	C2
173	TRACE HEATING JOINT BOX NOT SECURED	DB FLAT 76	C2
174	IMMERSSION HEATER SPURS NEONS NOT OPERATING.	DB FLAT 75	C2
175	END CAP MISSING FROM DADO TRUNKING ROOMS 3+4+6	DB FLAT 75	C3
176	DADO END CAPS MISSING IN ROOMS 1,2,3,4	DB FLAT 74	C3
177	ROOM 1 FAULTY ACCESSORY BACK BOX	DB FLAT 74	C2
178	ROOM 4 FAULTY TWIN SOCKET	DB FLAT 74	C2
179	FLAT 3+5 HAS MISSING DADO END CAP	DB FLAT 73	C3
180	IMMERSSION SPUR NEON NOT OPERATING	DB FLAT 72	C2
181	ROOM 4 FAULTY SINGLE SOCKET	DB FLAT 72	C2
182	SCREW MISSING FROM DB LID	DB FLAT 71	C3
183	IMMERSSION SPUR NEON IS FAULTY	DB FLAT 71	C2
184	CRACKED TWIN SOCKET IN ROOM 4	DB FLAT 71	C2
185	IMMERSSION SPUR NEON FAULTY	DB FLAT 70	C2
186	SOCKET IN ROOM 5 IS FAULTY	DB FLAT 70	C2
187	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 69	C2
188	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 68	C2
189	DADO END CAP MISSING IN ROOM 4	DB FLAT 68	C3
190	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 67	C2
191	IMMERSSION HEATER SPUR NEON IS FAULTY	DB FLAT 66	C3
192	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 65	C2
193	DB LID MISSING 1 X SCREW	DB FLAT 65	C3
194	END CAP MISSING FROM DADO IN ROOM 2	DB FLAT 65	C3
195	IMMERSSION HEATER SPUR NEON FAULTY	DB FLAT 64	C2
196	DB MISSING BLANKS	DB FLAT 64	C2
197	ROOM 4 DADO END CAP MISSING	DB FLAT 64	C3
198	ROOM 5 MISSING DADO END CAP	DB FLAT 63	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
199	IMMERSION HEATER SPURS NEONS FAULTY	DB FLAT 63	C2
200	DB MISSING BLANK	DB FLAT 63	C2
201	IMMERSION HEATER SPUR NEONS NOT OPERATING	DB FLAT 62	C2
202	BLANK MISSING FROM DB	DB FLAT 62	C2
203	IMMERSION SPUR NEONS NOT OPERATING	DB FLAT 61	C2
204	DB MISSING BLANKS	DB FLAT 61	C2
205	END CAPS MISSING FROM DADO ROOMS 1,2,3,5	DB FLAT 60	C3
206	ROOM 1 SOCKET SHOWING EVIDENCE OF THERMAL DAMAGE	DB FLAT 60	C2
207	IMMERSION SPUR NEON FAULTY	DB FLAT 60	C2
208	IMMERSION SPUR NEON IS FAULTY	DB FLAT 79	C2
209	2 X SCREWS MISSING FROM DB LID	DB FLAT 79	C2
210	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 79 - 4	C2
211	1 X SCREW MISSING FROM DB LID	DB FLAT 78	C3
212	END CAP MISSING FROM DADO IN ROOM 2	DB FLAT 77	C3
213	SCREWS MISSING FROM DB LID	DB FLAT 80	C2
214	END CAP MISSING FROM DADO IN ROOM 1+3	DB FLAT 80	C3
215	IMMERSION HEATER SPUR NEON FAULTY	DB FLAT 19	C2
216	SCREW MISSING FROM DB LID	DB FLAT 19	C3
217	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 19 - 3	C2
218	IMMERSION HEATER SPUR NEON NOT OPERATING	DB FLAT 27	C2
219	DADO END CAP MISSING IN ROOM 2	DB FLAT 27	C3
220	SPUR NEON NOT OPERATING	DB FLAT 38	C2
221	AWKWARD ACCESS TO DB ENCLOSURE	DB FLAT 37	C3
222	IMMERSION SPUR NEON NOT OPERATING	DB FLAT 37	C2
223	2 GANG SWITCH BEDROOM 1 FAULTY	DB FLAT 36	C2
224	COOKER DP SWITCH NEON FAULTY	DB FLAT 36	C2
225	SCREW MISSING FROM DB LID	DB FLAT 26	C3
226	LIVE BUSBAR FLASH GUARD MISSING FROM WITHIN DB ENCLOSURE	DB FLAT 26	C3
227	DB LID COVER FLAP IS MISSING	DB FLAT 26	C3
228	LIGHT SWITCH IN CORRIDOR DAMAGED	DB FLAT 34	C2
229	IMMERSION HEATER NEON FAULTY	DB FLAT 34	C2
230	BLANK MISSING FROM DB LID	DB FLAT 7	C2
231	IMMERSION HEATER SPUR BACK BOX NOT FITTED CORRECTLY RESULTING IN FACE PLATE HAVING GAP BETWEEN BACK BOX	DB FLAT 7	C2
232	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW.	DB FLAT 7 - 1	C2

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
233	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 32A 61009 REQD.	DB FLAT 7 - 1	C2
234	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE.	DB FLAT 7 - 1	C2
235	SCREW MISSING DB LID	DB FLAT 14	C3
236	DB LID MISSING SCREW	DB FLAT 4	C3
237	DB MISSING BLANK	DB FLAT 4	C2
238	NO ACCESS TO IMMERSION/TRACE HEATING SPURS DUE TO PIPEWORK	DB FLAT 10	C3
239	IMMERSION HEATER SPUR NEONS NOT OPERATING	DB FLAT 10	C2
240	DB MISSING BLANKS	DB FLAT 10	C2
241	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION.	DB FLAT 10 - 3	C2
242	SCREWS MISSING FROM PANEL LEAD	SBA	C3
243	1 X PANEL SCREW MISSING	SBC	C3
244	2 X SCREWS MISSING FROM PANEL LID	SBD	C2
245	2 X SCREWS MISSING FROM PANEL LID	SBE	C3
246	SCREW MISSING FROM PANEL LID	SBB	C3
247	DB TOP RIGHT SCREW IS THREADED,LID CANT BE FULLY REMOVED	LANDLORDS DB A	C2
248	CIRCUIT 1 SUPPLIES SOCKETS WITH NO RCD PROTECTION,POTENTIAL TO SUPPLY OUTDOORS	LANDLORDS DB A	C3
249	CIRCUIT 2 SUPPLIES SOCKETS WITH NO RCD PROTECTION,NO POTENTIAL TO SUPPLY OUTDOORS	LANDLORDS DB A	C3
250	SMOKE VENT PANEL DOOR REMOVED WITHIN LOCKED RISER CUPBOARD	LANDLORDS DB C	C3
251	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB C	C3
252	SOCKET CIRCUITS 1 AND 3 HAVE NO RCD PROTECTION BUT HAVE POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB C	C3
253	SCREWS MISSING FROM DB LID	LANDLORDS DB E	C2
254	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB E	C3
255	CIRCUITS 1+3 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB E	C3
256	AOV PANEL DOOR MISSING	LANDLORDS DB E	C3
257	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB D	C3
258	CIRCUITS 1+2 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB D	C3
259	WIRING FAULT GROUND FLOOR LIGHTS	LANDLORDS DB B	C2
260	CIRCUIT 8+20 SUPPLIES SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB B	C3
261	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB B	C3
262	CIRCUITS 1L1/2L1/7L2/8L2 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	ADMIN DB	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
263	SOCKET CIRCUITS WITH NO RCD PROTECTION	ADMIN DB	C3
264	WATER HEATER DP SWITCH NEON FAULTY	ADMIN DB	C2
265	SECURITY ROOM/COMMS CONTAINMENT IN POOR CONDITION	ADMIN DB	C3
266	COMMS ROOM CABLING NOT ADEQUATELY SECURED	ADMIN DB	C3
267	NO RCD PROTECTION FOR SOCKETS WITH POTENTIAL TO SUPPLY EQUIPMENT OUTDOORS.	DB SWITCHROOM	C3
268	REDUNDANT CORES WITHIN DB	DB SWITCHROOM	C3
269	2 X TRUNKING END CAPS MISSING IN LAUNDRY (100mm PVC)	DB LAUNDRY	C2
270	CT 10L3 - NO RCD PROTECTION FOR SOCKET WITH POTENTIAL TO SUPPLY EQUIPMENT OUTDOORS	DB LAUNDRY	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

INSPECTION SCHEDULE

[illegible]

OUTCOMES	PASS	Acceptable condition	C1 or C2	Unacceptable condition	C3	Improvement recommended	FI	Further investigation	NV	Not verified	LIM	Limitation	N/A	Not applicable
Item	Description and comment (if any)													Outcome
4.19														C2
4.20														N/A
4.21														PASS
4.22														N/A
4.23														N/A
5	FINAL CIRCUITS													-
5.1														PASS
5.2														C3
5.3														PASS
5.4														C2
5.4.1														C3
5.5														PASS
5.6														PASS
5.7														PASS
5.8														PASS
5.9														PASS
5.10														LIM
5.11														LIM
5.12														-
5.12.1														C3
5.12.2														C3
5.12.3														C3
5.12.4														N/A
5.12.5														PASS
5.13														PASS
5.14														PASS
5.15														PASS
5.16														PASS
5.17														PASS
5.17.1														PASS
5.17.2														PASS
5.17.3														PASS
5.17.4														C2
5.18														C2
5.19														PASS
5.20														PASS
5.21														PASS
6	LOCATION(S) CONTAINING A BATH OR SHOWER													-
6.1														PASS

OUTCOMES	PASS	Acceptable condition	C1 or C2	Unacceptable condition	C3	Improvement recommended	FI	Further investigation	NV	Not verified	LIM	Limitation	N/A	Not applicable
Item	Description and comment (if any)													Outcome
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)													PASS
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)													PASS
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)													PASS
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)													PASS
6.8	Suitability of current-using equipment for particular position within the location (701.55)													PASS
7	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.)													N/A
Inspected by:														
Name	STEPHEN PENDER					Date	05 Aug 2021			Signature				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																									
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																					
DB FLAT 18				Supply				DB RISER A - 5L2						YES				Continuity				101466954																	
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954													
BLOCK A FLAT 18(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954													
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms		RCD				101466954			
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		3.69		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to											
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.35	-	500	>299	>299	PASS	0.41	18.7	18.2	PASS	-	-											
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.01	0.56	-	500	LIM	>299	PASS	0.62	11.8	8.59	PASS	-	-											
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.66	0.66	1.16	0.60	-	500	LIM	>299	PASS	0.66	17.3	8.62	PASS	-	-											
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.52	0.59	-	500	LIM	>299	PASS	0.65	18.0	8.40	PASS	-	-											
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.31	18.1	8.59	PASS	-	-											
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.30	17.8	8.59	PASS	-	-											
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.31	18.4	8.59	PASS	-	-											
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.72	18.2	8.41	PASS	-	-											
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.78	18.1	8.31	PASS	-	-											
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	EXTERNAL SIGN	A	C	1	1.5	1.0	0.4	61009	B	6	6	30	5.82	-	-	-	0.31	-	500	LIM	>299	PASS	0.37	18.7	17.9	PASS	-	-											
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature																CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position		ELECTRICAL TEST ENGINEER																																					

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 16				Supply				DB RISER A - 4L3						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK A FLAT 16(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.04		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		5.73		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.44	-	500	>299	>299	PASS	0.48	18.8	8.45	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.80	0.78	1.34	0.54	-	500	LIM	>299	PASS	0.58	18.1	8.41	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.77	0.78	1.32	0.58	-	500	LIM	>299	PASS	0.62	19.0	8.56	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.00	1.00	1.76	0.68	-	500	LIM	>299	PASS	0.72	>300	>40	FAIL	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.27	-	500	>299	>299	PASS	0.31	18.7	8.22	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.34	18.4	8.33	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.30	19.3	8.59	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.83	22.4	8.12	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.83	-	500	LIM	>299	PASS	0.87	23.6	8.45	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other												
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS																				TEST INSTRUMENTS										
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB RISER BLOCK E					Supply SBE - 3TP										Supply polarity confirmed YES					Continuity		101466954								
Location					Phases 3Phase sequence confirmed PASS										Characteristics at board			RCD operating times		Insulation resistance		101466954								
RISER BLOCK E					Overcurrent protective device for distribution circuit										Z _s 0.07 ΩIn - ms					Earth fault loop impedance		101466954								
					BS EN 60947 - 2		Rating 250 A		Nominal voltage 400 V		RCD		BS EN -							Poles -		Rating - mA		RCD		101466954				
					RCD BS EN		-		Rating -		Rating -		Rating -		Rating -		Rating -		Rating -		Rating -		Rating -		Rating -		-			
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation			Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 88 (supply to DB FLAT 88)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
1L2	DB FLAT 89 (supply to DB FLAT 89)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
1L3	DB FLAT 90 (supply to DB FLAT 90)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-
2L1	DB FLAT 91 (supply to DB FLAT 91)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
2L2	DB FLAT 92 (supply to DB FLAT 92)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
2L3	DB FLAT 93 (supply to DB FLAT 93)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
3L1	DB FLAT 94 (supply to DB FLAT 94)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
3L2	DB FLAT 95 (supply to DB FLAT 95)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
3L3	DB FLAT 96 (supply to DB FLAT 96)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.10	-	500	>299	>299	PASS	0.17	-	-	-	-	-
4L1	DB FLAT 97 (supply to DB FLAT 97)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
4L2	DB FLAT 98 (supply to DB FLAT 98)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
4L3	DB FLAT 99 (supply to DB FLAT 99)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-

Circuit Details														Test Results																														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At SIn ms	Test button operation	AFDD Button	Vulnerable to																
5L1	DB FLAT 100 (supply to DB FLAT 100)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-																
5L2	DB FLAT 101 (supply to DB FLAT 101)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-																
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
6L1	DB FLAT 82 (supply to DB FLAT 82)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-																
6L2	DB FLAT 83 (supply to DB FLAT 83)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-																
6L3	DB FLAT 84 (supply to DB FLAT 84)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.15	-	500	>299	>299	PASS	0.22	-	-	-	-	-																
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING																								
Position	ELECTRICAL TEST ENGINEER														A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit										D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables										G XLPE/SWA cables H MICC mineral insulated cables I Other									

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 101				Supply				DB RISER BLOCK E - 5L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 101(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.22		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.53	18.6	9.9	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	1.03	0.39	-	500	LIM	>299	PASS	0.58	19.5	8.6	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.73	0.73	1.24	0.42	-	500	LIM	>299	PASS	0.61	22.2	13.7	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.77	0.77	1.27	0.33	-	500	LIM	>299	PASS	0.52	34.1	9.7	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.05	-	500	>299	>299	PASS	0.24	18.5	8.6	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.06	-	500	>299	>299	PASS	0.25	17.7	9.09	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	23.1	8.45	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.80	19.3	12.8	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.21	18.8	8.8	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																
DB FLAT 93					Supply DB RISER BLOCK E - 2L3										Supply polarity confirmed YES					Continuity 101466954																
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance 101466954																
BLOCK E FLAT 93(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance 101466954																
					BS EN 88 Rating 80 A Nominal voltage 230 V					Z _s 0.19 Ω In - ms					RCD					101466954																
					RCD BS EN - Poles - Rating - mA					I _{pf} 1.21 kA 5I - ms					Earth electrode resistance -																					
CIRCUIT DETAILS															TEST RESULTS																					
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to					
1	COOKER				A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.47	28.8	19.4	PASS	-	-					
2	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.53	0.53	0.96	0.33	-	500	LIM	>299	PASS	0.52	18.5	8.8	PASS	-	-					
3	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.97	0.38	-	500	LIM	>299	PASS	0.57	19.1	8.09	PASS	-	-					
4	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	1.11	0.37	-	500	LIM	>299	PASS	0.56	28.1	8.6	PASS	-	-					
5	IMMERSION 1				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.30	18.7	9.7	PASS	-	-					
6	IMMERSION 2				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.32	28.2	18.2	PASS	-	-					
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.17	-	500	>299	>299	PASS	0.36	19.1	8.54	PASS	-	-					
8	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.88	22.7	8.88	PASS	-	-					
9	LIGHTS				A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.85	-	500	LIM	>299	PASS	1.04	19.0	12.1	PASS	-	-					
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														
Position	ELECTRICAL TEST ENGINEER																																			

BOARD CHARACTERISTICS														TEST INSTRUMENTS															
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB FLAT 90				Supply DB RISER BLOCK E - 1L3				Supply polarity confirmed YES				Continuity 101466954																	
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																	
BLOCK E FLAT 90(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.21 Ω In - ms				Earth fault loop impedance 101466954																	
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.1 kA 5I - ms				RCD 101466954																	
												Earth electrode resistance -																	
CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.54	18.7	8.8	PASS	-	-	
2	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.90	0.36	-	500	LIM	>299	PASS	0.57	19.5	8.6	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.59	0.80	0.22	-	500	LIM	>299	PASS	0.43	18.7	9.4	PASS	-	-	
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.60	0.30	-	500	LIM	>299	PASS	0.51	28.8	18.8	PASS	-	-	
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.09	-	500	>299	>299	PASS	0.30	18.3	7.5	PASS	-	-	
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.32	22.5	8.4	PASS	-	-	
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.09	-	500	>299	>299	PASS	0.30	19.0	11.6	PASS	-	-	
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.87	19.7	9.8	PASS	-	-	
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.80	18.4	8.3	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 84				Supply				DB RISER BLOCK E - 6L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 84(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.22		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.05		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.54	18.8	8.5	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.44	0.44	0.80	0.31	-	500	LIM	>299	PASS	0.53	18.3	8.34	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.71	1.21	0.39	-	500	LIM	>299	PASS	0.61	18.5	8.56	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.94	0.27	-	500	LIM	>299	PASS	0.49	28.6	18.6	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.36	17.7	8.54	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.18	-	500	>299	>299	PASS	0.40	18.9	8.76	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.15	-	500	>299	>299	PASS	0.37	19.5	9.5	PASS	-	-									
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.83	-	500	LIM	>299	PASS	1.05	20.3	9.08	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.56	-	500	LIM	>299	PASS	0.78	18.6	9.4	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 82				Supply				DB RISER BLOCK E - 6L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 82(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.20		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.17		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.53	18.7	8.5	PASS	-	-									
2	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	2.49	0.68	1.34	0.32	-	500	LIM	>299	PASS	0.52	19.4	9.6	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.78	0.79	0.94	0.41	-	500	LIM	>299	PASS	0.61	18.5	8.2	PASS	-	-									
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.46	0.46	0.73	0.53	-	500	LIM	>299	PASS	0.73	19.9	8.5	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.33	28.6	9.65	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	18.1	9.8	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.10	-	500	>299	>299	PASS	0.30	17.5	8.42	PASS	-	-									
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.22	18.5	9.07	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.84	16.8	8.55	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 115				Supply				DB RISER BLOCK F - 4L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 115(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.22		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.05		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.54	18.5	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.49	0.49	0.81	0.30	-	500	LIM	>299	PASS	0.52	19.6	12.1	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.66	0.66	1.10	0.36	-	500	LIM	>299	PASS	0.58	28.5	18.5	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.49	0.25	-	500	LIM	>299	PASS	0.47	18.1	8.45	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.38	18.7	8.89	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.38	19.2	8.38	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.13	-	500	>299	>299	PASS	0.35	18.5	9.34	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.08	-	500	LIM	>299	PASS	1.30	29.9	8.56	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.96	19.9	8.56	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 114				Supply DB RISER BLOCK F - 4L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK E FLAT 114(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.21 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.1 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.53	29.9	9.98	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.69	0.70	0.28	-	500	LIM	>299	PASS	0.49	18.4	8.8	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.73	0.73	999	0.41	-	500	LIM	>299	PASS	0.62	18.5	7.7	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.89	0.89	1.52	0.47	-	500	LIM	>299	PASS	0.68	23.4	9.9	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.38	28.8	18.5	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.20	-	500	>299	>299	PASS	0.41	18.5	8.34	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.19	-	500	>299	>299	PASS	0.40	18.9	8.45	PASS	-	-		
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.28	-	500	LIM	>299	PASS	1.49	19.1	8.56	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	1.00	18.5	9.5	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 113				Supply				DB RISER BLOCK F - 3L3						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK E FLAT 113(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.23		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.55	18.8	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.96	0.42	-	500	LIM	>299	PASS	0.61	8.87	7.7	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.93	0.33	-	500	LIM	>299	PASS	0.52	12.7	8.71	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.38	0.38	0.75	0.35	-	500	LIM	>299	PASS	0.54	18.2	8.56	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	21.8	8.81	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	12.8	9.6	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	19.9	9.9	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.34	11.2	7.75	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.84	-	500	LIM	>299	PASS	1.03	18.4	8.5	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 112				Supply				DB RISER BLOCK F - 3L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 112(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.19		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.52	8.87	8.00	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.97	0.40	-	500	LIM	>299	PASS	0.59	19.3	8.34	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.66	0.34	-	500	LIM	>299	PASS	0.53	18.9	8.88	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.84	0.44	-	500	LIM	>299	PASS	0.63	16.8	8.98	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	22.7	9.5	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.33	18.2	9.2	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	17.8	8.54	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.06	-	500	LIM	>299	PASS	1.25	18.8	8.37	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.78	18.6	8.6	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other												
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 111				Supply				DB RISER BLOCK F - 3L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 111(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.20		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.18		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.50	28.9	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	1.10	0.39	-	500	LIM	>299	PASS	0.59	18.5	8.45	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.80	1.16	0.46	-	500	LIM	>299	PASS	0.66	18.2	8.45	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	999	0.91	0.57	0.35	-	500	LIM	>299	PASS	0.55	8.88	8.02	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.37	9.45	8.04	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.20	-	500	>299	>299	PASS	0.40	18.7	9.8	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.16	-	500	>299	>299	PASS	0.36	>300	>40	FAIL	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.22	17.8	8.7	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.58	-	500	LIM	>299	PASS	0.78	18.3	8.4	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 110				Supply				DB RISER BLOCK F - 2L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 110(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.18		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.3		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.51	18.5	9.9	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.54	0.54	0.90	0.36	-	500	LIM	>299	PASS	0.54	19.4	8.2	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.65	0.34	-	500	LIM	>299	PASS	0.52	28.4	7.7	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.66	0.28	-	500	LIM	>299	PASS	0.46	19.4	9.43	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.31	8.89	8.01	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.28	18.4	8.45	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.30	18.6	8.5	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.04	-	500	LIM	>299	PASS	1.22	28.1	8.1	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.81	-	500	LIM	>299	PASS	0.99	22.7	7.76	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 109				Supply				DB RISER BLOCK F - 2L2						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK E FLAT 109(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.17		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.34		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.52	18.8	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.63	1.01	0.32	-	500	LIM	>299	PASS	0.49	19.8	8.76	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	1.14	0.38	-	500	LIM	>299	PASS	0.55	8.78	7.78	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	999	1.21	0.43	-	500	LIM	>299	PASS	0.60	18.1	11.5	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.33	22.8	11.8	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.32	8.89	8.03	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.45	28.6	12.8	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.11	-	500	LIM	>299	PASS	1.28	19.0	9.76	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.82	-	500	LIM	>299	PASS	0.99	18.5	8.38	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 108				Supply				DB RISER BLOCK F - 2L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 108(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.20		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.17		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.51	28.8	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.61	0.65	0.29	-	500	LIM	>299	PASS	0.49	18.9	7.77	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.77	0.77	1.30	0.44	-	500	LIM	>299	PASS	0.64	18.2	8.8	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.87	0.87	0.65	0.38	-	500	LIM	>299	PASS	0.58	18.3	9.09	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.36	18.2	8.80	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.34	8.89	8.01	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.31	8.11	7.75	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.07	-	500	LIM	>299	PASS	1.27	8.8	7.01	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.91	12.5	8.8	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 107				Supply				DB RISER BLOCK F - 1L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 107(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.23		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.50	18.8	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.61	0.70	0.44	-	500	LIM	>299	PASS	0.63	21.6	9.8	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	1.04	0.42	-	500	LIM	>299	PASS	0.61	8.87	8.01	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.40	0.78	0.46	-	500	LIM	>299	PASS	0.65	18.6	9.8	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.35	29.9	8.6	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.21	-	500	>299	>299	PASS	0.40	18.3	8.7	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.33	18.8	8.54	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.20	19.1	8.88	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.85	-	500	LIM	>299	PASS	1.04	20.8	8.76	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 106				Supply				DB RISER BLOCK F - 1L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 106(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.20		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.18		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.50	18.0	8.80	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.95	0.38	-	500	LIM	>299	PASS	0.58	28.7	8.34	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.60	0.71	0.32	-	500	LIM	>299	PASS	0.52	8.89	7.5	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.81	0.43	-	500	LIM	>299	PASS	0.63	18.9	8.98	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.39	21.7	9.09	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.33	18.5	8.87	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.34	34.7	18.6	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.42	18.8	9.5	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.80	18.4	8.35	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 105				Supply				DB RISER BLOCK F - 1L1						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK E FLAT 105(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.24		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.49	19.9	8.7	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.78	0.32	-	500	LIM	>299	PASS	0.51	22.7	9.5	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	999	0.78	1.07	0.59	-	500	LIM	>299	PASS	0.78	33.5	8.41	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.90	0.90	0.89	0.40	-	500	LIM	>299	PASS	0.59	23.7	8.71	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.33	28.9	8.77	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.30	18.6	8.42	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.10	-	500	>299	>299	PASS	0.29	18.9	9.74	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.07	-	500	LIM	>299	PASS	1.26	20.3	8.34	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.80	18.2	8.23	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other												
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 104				Supply SBF - 5L1										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK E FLAT 104(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.20 Ω In - ms				Earth fault loop impedance										
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.18 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.48	19.9	9.9	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.96	0.37	-	500	LIM	>299	PASS	0.57	18.5	11.1	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	999	0.42	-	500	LIM	>299	PASS	0.62	18.5	9.5	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.48	0.28	-	500	LIM	>299	PASS	0.48	9.98	8.5	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	29.0	12.1	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	25.5	8.1	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.34	9.56	7.77	PASS	-	-
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.12	-	500	LIM	>299	PASS	1.32	13.6	8.6	PASS	-	-
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.99	28.9	12.0	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																
Position	ELECTRICAL TEST ENGINEER																											
CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																												

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used					
DB FLAT 103	Supply		SBF - 5L2								Supply polarity confirmed						YES		Continuity		101466954			
Location	Phases		1		Phase sequence confirmed						PASS		Characteristics at board			RCD operating times			Insulation resistance		101466954			
BLOCK E FLAT 103(PROTEK)	Overcurrent protective device for distribution circuit																							
	BS EN		60947 - 2		Rating		63		A		Nominal voltage		230		V		Z _s 0.20 Ω		In - ms		Earth fault loop impedance		101466954	
	RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf} 1.18 kA		5I - ms		RCD		101466954			
																			Earth electrode resistance		-			

TEST RESULTS

[illegible]

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cable C PVC cables in non-metallic conduit F PVC/SWA cables I Other		
Position	ELECTRICAL TEST ENGINEER							

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 102				Supply SBF - 5L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 102(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.19 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.23 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.49	27.7	9.7	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.01	0.40	-	500	LIM	>299	PASS	0.59	18.1	9.5	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	999	1.24	0.38	-	500	LIM	>299	PASS	0.57	23.3	8.1	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.52	0.52	0.48	0.36	-	500	LIM	>299	PASS	0.55	8.89	7.7	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.33	12.1	8.12	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.36	28.2	8.6	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	18.1	9.09	PASS	-	-		
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	1.10	29.1	8.8	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.58	-	500	LIM	>299	PASS	0.77	14.5	7.77	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 81				Supply SBE - 2L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 81(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.21 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.11 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.54	18.6	8.34	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.93	0.38	-	500	LIM	>299	PASS	0.59	22.6	11.7	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	999	0.40	-	500	LIM	>299	PASS	0.61	19.4	9.4	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	0.90	0.33	-	500	LIM	>299	PASS	0.54	18.1	8.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.36	18.8	9.5	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.40	27.5	7.5	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.16	-	500	>299	>299	PASS	0.37	18.3	9.09	PASS	-	-		
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.18	-	500	LIM	>299	PASS	1.39	18.7	8.38	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.91	18.4	9.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																			
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																			
DB FLAT 87				Supply				SBE - 2L2						Supply polarity confirmed				YES															
Location				Phases				1						Phase sequence confirmed				PASS															
BLOCK E FLAT 87(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times															
				BS EN				60947 - 2		Rating		63		A		Nominal voltage		230		V		Z _s		0.18		Ω		In		-		ms	
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		1.24		kA		5I		-		ms			
CIRCUIT DETAILS														TEST RESULTS																			
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to					
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.50	27.8	12.1	PASS	-	-					
2	SOCKETS RING KITCHEN	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.56	0.89	0.34	-	500	LIM	>299	PASS	0.52	28.8	18.5	PASS	-	-					
3	SOCKETS BEDROOMS	A	C	6	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.38	18.6	9.98	PASS	-	-					
4	SOCKETS BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.40	18.5	8.52	PASS	-	-					
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.33	29.5	18.6	PASS	-	-					
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.32	28.5	9.09	PASS	-	-					
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.22	-	500	>299	>299	PASS	0.40	18.1	8.8	PASS	-	-					
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	1.09	23.5	9.8	PASS	-	-					
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.78	18.9	7.5	PASS	-	-					
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature																									
Position	ELECTRICAL TEST ENGINEER			CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 98				Supply DB RISER BLOCK E - 4L2				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK E FLAT 98(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.18 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.31 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.40	-	500	>299	>299	PASS	0.58	27.7	19.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.04	0.41	-	500	LIM	>299	PASS	0.59	18.4	8.5	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	0.86	0.39	-	500	LIM	>299	PASS	0.57	19.2	9.3	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.71	0.80	0.31	-	500	LIM	>299	PASS	0.49	28.1	18.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.31	19.9	17.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.29	22.2	7.5	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.15	-	500	>299	>299	PASS	0.33	19.7	6.78	PASS	-	-		
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.93	28.6	8.77	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.77	19.4	8.4	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 88			Supply			DB RISER BLOCK E - 1L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK E FLAT 88(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.20 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			1.14 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.52	28.7	11.2	PASS	-	-							
2	SOCKETS RING BEDROOM	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.71	1.07	0.40	-	500	LIM	>299	PASS	0.60	28.5	6.8	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.51	0.21	-	500	LIM	>299	PASS	0.41	18.3	9.4	PASS	-	-							
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.68	0.29	-	500	LIM	>299	PASS	0.49	26.5	8.5	PASS	-	-							
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.33	19.5	7.8	PASS	-	-							
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	28.5	18.1	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.32	18.8	8.87	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.99	19.6	8.87	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.06	-	500	LIM	>299	PASS	1.26	18.6	8.58	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 92				Supply				DB RISER BLOCK E - 2L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 92(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.18		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.27		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.38	-	500	>299	>299	PASS	0.56	28.8	12.6	PASS	-	-									
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.46	0.25	-	500	LIM	>299	PASS	0.43	19.0	9.8	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	0.37	0.27	-	500	LIM	>299	PASS	0.45	18.5	9.5	PASS	-	-									
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	1.00	0.31	-	500	LIM	>299	PASS	0.49	22.8	9.4	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.34	19.5	8.9	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.31	28.7	18.4	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.15	-	500	>299	>299	PASS	0.33	28.4	8.4	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.11	-	500	LIM	>299	PASS	1.29	19.2	11.6	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.82	-	500	LIM	>299	PASS	1.00	27.8	8.65	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 118				Supply				DB RISER BLOCK F - 5L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 118(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.21		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.1		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.52	18.5	8.7	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.91	0.34	-	500	LIM	>299	PASS	0.55	28.7	8.8	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	1.08	0.38	-	500	LIM	>299	PASS	0.59	18.8	9.9	PASS	-	-									
4	SOCKETS RING KITCHEN	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	1.00	0.27	-	500	LIM	>299	PASS	0.48	18.7	9.6	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.35	18.4	8.45	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.35	19.0	8.34	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.10	-	500	>299	>299	PASS	0.31	18.5	8.45	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.23	18.1	8.3	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.91	28.7	18.7	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 85				Supply SBE - 1L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 85(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.20 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.15 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.49	28.7	19.6	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	0.84	0.30	-	500	LIM	>299	PASS	0.50	18.5	8.8	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.50	0.33	-	500	LIM	>299	PASS	0.53	25.5	7.5	PASS	-	-		
4	SOCKETS RING BEDROOM	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.29	0.39	0.40	0.25	-	500	LIM	>299	PASS	0.45	28.6	8.8	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.34	18.5	9.7	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	29.9	8.8	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.18	-	500	>299	>299	PASS	0.38	19.6	9.9	PASS	-	-		
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.25	-	500	LIM	>299	PASS	1.45	28.7	8.38	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.00	-	500	LIM	>299	PASS	1.20	18.8	8.58	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 86				Supply SBE - 1L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 86(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.19 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.23 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.51	28.6	19.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.62	0.25	-	500	LIM	>299	PASS	0.44	30.2	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.75	0.68	0.26	-	500	LIM	>299	PASS	0.45	18.7	9.6	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.69	0.87	0.32	-	500	LIM	>299	PASS	0.51	18.5	8.4	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.36	17.9	9.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	19.0	11.5	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	28.9	17.8	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.56	-	500	LIM	>299	PASS	0.75	27.3	7.7	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	16	10	30	2.18	-	-	-	0.81	-	500	LIM	>299	PASS	1.00	28.8	18.8	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS																				TEST INSTRUMENTS													
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used													
DB FLAT 91					Supply DB RISER BLOCK E - 2L1										Supply polarity confirmed YES					Continuity					101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance					101466954								
BLOCK E FLAT 91(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance					101466954								
					BS EN 88 Rating 80 A Nominal voltage 230 V					Z _s 0.20 Ω In - ms					RCD					101466954													
					RCD BS EN - Poles - Rating - mA					I _{pf} 1.18 kA 5I - ms					Earth electrode resistance					-													
CIRCUIT DETAILS															TEST RESULTS																		
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER				A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.48	27.8	9.9	PASS	-	-		
2	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.70	0.45	-	500	LIM	>299	PASS	0.65	28.6	13.4	PASS	-	-		
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.80	0.34	0.28	-	500	LIM	>299	PASS	0.48	19.8	12.8	PASS	-	-		
4	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.99	0.30	-	500	LIM	>299	PASS	0.50	28.9	16.8	PASS	-	-		
5	IMMERSION 1				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.12	-	500	>299	>299	PASS	0.32	33.6	17.5	PASS	-	-		
6	IMMERSION 2				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.30	19.5	11.7	PASS	-	-		
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.13	-	500	>299	>299	PASS	0.33	24.7	9.07	PASS	-	-		
8	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.99	28.6	8.6	PASS	-	-		
9	LIGHTS				A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.21	29.0	9.7	PASS	-	-		
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER																	A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
LANDLORDS DB F					Supply					SBF - 4L3					Supply polarity confirmed					YES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Location					Phases					1					Phase sequence confirmed					PASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
BLOCK F RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Insulation resistance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					BS EN					60947 - 2					Rating					63					A					Nominal voltage					230					V					Z _s					0.07					Ω					In					-					ms					Earth fault loop impedance					101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					3.48					kA					5I					-					ms					RCD					101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
15	COMMUNAL/EM LIGHTS 2ND	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.65	-	500	LIM	>299	PASS	1.72	-	-	-	-	-	
16	COMMUNAL/EM LIGHTS 3RD	A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.51	-	500	LIM	>299	PASS	1.58	-	-	-	-	-	
17	LIGHTS STAIRS GRD/1ST/2ND	A	E	7	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.55	-	500	LIM	>299	PASS	2.62	-	-	-	-	-	
18	SPEECH UNIT GROUND	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.18	-	500	LIM	>299	PASS	0.25	-	-	-	-	-	
19	EXTERNAL RCD SOCKET	A	E	1	6	2.5	0.4	60898	B	32	10	-	1.1	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	8.82	9.29	PASS	-	-	
20	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	SHED SUPPLY (supply to DB SHED)	G	E	1	2.5	2.5	5	60898	B	20	10	-	1.75	-	-	-	0.37	-	500	LIM	>299	PASS	0.44	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER														A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 94				Supply DB RISER BLOCK E - 3L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK E FLAT 94(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.20 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.14 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.49	28.8	15.5	PASS	-	-		
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	0.99	0.26	-	500	LIM	>299	PASS	0.46	19.0	12.8	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.43	0.43	0.65	0.29	-	500	LIM	>299	PASS	0.49	22.9	11.8	PASS	-	-		
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.56	0.78	0.27	-	500	LIM	>299	PASS	0.47	28.9	18.5	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.09	-	500	>299	>299	PASS	0.29	18.7	9.09	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.34	28.8	18.3	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.20	-	500	>299	>299	PASS	0.40	19.9	12.8	PASS	-	-		
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.03	-	500	LIM	>299	PASS	1.23	18.6	8.5	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.87	29.0	8.0	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 95				Supply				DB RISER BLOCK E - 3L2						Supply polarity confirmed				YES													
Location				Phases				1						Phase sequence confirmed				PASS													
BLOCK E FLAT 95(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times													
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.18		Ω		In		-		ms	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.32		kA		5I		-		ms			
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.47	28.3	12.8	PASS	-	-			
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.98	0.31	-	500	LIM	>299	PASS	0.49	19.7	9.8	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	0.93	0.29	-	500	LIM	>299	PASS	0.47	28.5	11.1	PASS	-	-			
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.79	0.80	0.52	0.30	-	500	LIM	>299	PASS	0.48	27.7	9.5	PASS	-	-			
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.12	-	500	>299	>299	PASS	0.30	18.3	8.4	PASS	-	-			
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.33	29.9	8.6	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.32	27.1	9.9	PASS	-	-			
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.98	28.1	12.8	PASS	-	-			
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.90	18.9	12.1	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																														

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used		
DB FLAT 97	Supply	DB RISER BLOCK E - 4L1								Supply polarity confirmed					YES		Continuity	101466954			
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954				
BLOCK E FLAT 97(PROTEK)	Overcurrent protective device for distribution circuit																		Earth fault loop impedance		101466954
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.19	Ω	In	-	ms	RCD	101466954					
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	1.25	kA	5I	-	ms	Earth electrode resistance	-						

TEST RESULTS

[illegible]

S. Pender

A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 100				Supply				DB RISER BLOCK E - 5L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 100(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.18		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.3		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.53	17.4	9.9	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.96	0.39	-	500	LIM	>299	PASS	0.57	18.2	9.4	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.72	1.57	0.42	-	500	LIM	>299	PASS	0.60	28.8	18.5	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.67	0.32	-	500	LIM	>299	PASS	0.50	18.6	7.78	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.09	-	500	>299	>299	PASS	0.27	19.2	7.3	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.12	-	500	>299	>299	PASS	0.30	12.1	7.2	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.29	23.3	10.5	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.20	18.8	8.8	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.90	18.2	7.6	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 6				Supply DB RISER A - 1L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 6(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 8.13 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.36	-	500	>299	>299	PASS	0.39	18.7	18.4	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	0.77	0.48	-	500	LIM	>299	PASS	0.51	18.8	18.1	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.87	0.85	1.21	0.50	-	500	LIM	>299	PASS	0.53	19.3	18.4	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.88	0.88	0.87	0.55	-	500	LIM	>299	PASS	0.58	19.1	8.64	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.28	18.5	18.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.27	18.9	18.0	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.29	8.66	8.59	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.67	18.4	18.3	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.80	18.9	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 5				Supply DB RISER A - 1L2				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954																
BLOCK A FLAT 5(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954																
				BS EN 88 Rating 80 A Nominal voltage 230 V				Z _s 0.04 Ω In - ms						RCD 101466954																
				RCD BS EN - Poles - Rating - mA				I _{pf} 5.83 kA 5I - ms						Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.39	-	500	>299	>299	PASS	0.43	18.4	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.50	0.50	0.64	0.43	-	500	LIM	>299	PASS	0.47	17.9	8.85	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.70	0.70	0.51	0.43	-	500	LIM	>299	PASS	0.47	18.4	8.62	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.67	0.66	0.90	0.48	-	500	LIM	>299	PASS	0.52	8.65	8.55	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.22	-	500	>299	>299	PASS	0.26	8.55	8.55	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.22	-	500	>299	>299	PASS	0.26	17.8	8.11	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.28	18.4	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.72	8.89	8.12	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.74	17.8	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used													
DB FLAT 9				Supply DB RISER A - 2L3										YES				Continuity													
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance													
BLOCK A FLAT 9(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.04 Ω In - ms				Earth fault loop impedance													
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 5.75 kA 5I - ms				RCD													
				RCD BS EN - Poles - Rating - mA										Earth electrode resistance				-													
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.37	-	500	>299	>299	PASS	0.41	8.75	8.56	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.04	0.50	-	500	LIM	>299	PASS	0.54	18.3	18.1	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.93	0.93	1.88	0.67	-	500	LIM	>299	PASS	0.71	8.71	8.49	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.78	0.77	1.11	0.48	-	500	LIM	>299	PASS	0.52	8.74	8.11	PASS	-	-			
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.28	18.6	8.22	PASS	-	-			
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.29	8.55	8.55	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.31	18.3	8.55	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.76	17.8	8.56	PASS	-	-			
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.80	18.4	18.3	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Engineer	STEPHEN PENDER						Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																														

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 11				Supply				DB RISER A - 3L2						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK A FLAT 11(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		3.92		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.36	-	500	>299	>299	PASS	0.42	18.4	8.54	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.55	0.55	0.52	0.38	-	500	LIM	>299	PASS	0.44	18.1	8.39	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.68	0.67	0.44	0.35	-	500	LIM	>299	PASS	0.41	8.55	8.55	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.65	0.65	0.46	0.38	-	500	LIM	>299	PASS	0.44	18.6	18.2	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.16	-	500	>299	>299	PASS	0.22	17.6	8.45	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.05	-	500	>299	>299	PASS	0.21	18.5	18.2	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.18	-	500	>299	>299	PASS	0.24	8.55	8.46	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.50	-	500	LIM	>299	PASS	0.56	8.69	8.11	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.74	8.50	8.43	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																									
Position	ELECTRICAL TEST ENGINEER							CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 15				Supply				DB RISER A - 4L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK A FLAT 15(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		3.91		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.38	-	500	>299	>299	PASS	0.44	8.66	8.45	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.52	0.52	0.16	0.47	-	500	LIM	>299	PASS	0.53	18.6	8.59	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.74	0.74	0.95	0.50	-	500	LIM	>299	PASS	0.56	18.4	8.82	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.64	0.64	0.44	0.38	-	500	LIM	>299	PASS	0.44	>300	>40	FAIL	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	>299	>299	PASS	0.26	8.81	8.34	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	>299	>299	PASS	0.26	18.6	8.11	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.21	-	500	>299	>299	PASS	0.27	8.44	8.44	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.71	8.86	8.32	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.85	8.87	8.59	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 17				Supply				DB RISER A - 5L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK A FLAT 17(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		4.05		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.33	-	500	>299	>299	PASS	0.39	23.5	8.39	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.61	0.61	1.13	0.55	-	500	LIM	>299	PASS	0.61	18.6	8.51	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.64	0.66	1.28	0.56	-	500	LIM	>299	PASS	0.62	18.5	8.45	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.40	0.40	0.91	0.44	-	500	LIM	>299	PASS	0.50	18.3	8.12	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.30	18.3	8.24	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.26	-	500	>299	>299	PASS	0.32	>300	>40	FAIL	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.30	18.2	8.12	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.82	-	500	LIM	>299	PASS	0.88	19.1	8.38	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.85	-	500	LIM	>299	PASS	0.91	19.3	8.45	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																									
Position	ELECTRICAL TEST ENGINEER																					CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 3				Supply SBA - 2L3										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK A FLAT 3(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance										
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 8.11 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.36	-	500	>299	>299	PASS	0.39	18.3	8.6	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.63	0.64	1.07	0.52	-	500	LIM	>299	PASS	0.55	8.54	8.36	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.54	0.54	0.94	0.35	-	500	LIM	>299	PASS	0.38	17.2	8.77	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.84	0.84	1.44	0.54	-	500	LIM	>299	PASS	0.57	18.7	18.2	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.28	8.66	8.55	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.26	-	500	>299	>299	PASS	0.29	>300	>40	FAIL	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.30	8.44	8.42	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.67	19.4	8.55	PASS	-	-
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.86	-	500	LIM	>299	PASS	0.89	19.1	8.64	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																
Position	ELECTRICAL TEST ENGINEER																											
CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																												

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 1				Supply SBA - 2L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 1(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.04 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 5.44 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.40	123	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.52	0.52	0.80	0.49	-	500	LIM	>299	PASS	0.53	118	18.4	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.67	0.43	-	500	LIM	>299	PASS	0.47	18.2	8.64	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.60	0.70	0.42	-	500	LIM	>299	PASS	0.46	153	18.3	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.20	18.5	18.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.20	118	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.18	-	500	>299	>299	PASS	0.22	8.55	8.36	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.74	8.88	8.42	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.78	8.44	8.33	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 35			Supply			DB RISER BLOCK B - 5L2							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 35(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			3.53 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.44	8.66	8.22	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.54	0.54	0.88	0.48	-	500	LIM	>299	PASS	0.55	8.64	8.46	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.68	1.30	0.44	-	500	LIM	>299	PASS	0.51	8.42	8.34	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.68	0.45	-	500	LIM	>299	PASS	0.52	8.42	8.22	PASS	-	-							
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.22	-	500	>299	>299	PASS	0.29	8.43	8.22	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.44	8.22	PASS	-	-							
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.86	8.82	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.86	8.33	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	8.82	8.55	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 32				Supply DB RISER BLOCK B - 4L2				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK B FLAT 32(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.05 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 5.62 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.39	-	500	>299	>299	PASS	0.44	18.2	8.65	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	1.03	0.50	-	500	LIM	>299	PASS	0.55	8.62	8.66	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.05	0.48	-	500	LIM	>299	PASS	0.53	8.72	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.66	0.66	0.70	0.38	-	500	LIM	>299	PASS	0.43	8.45	8.45	PASS	-	-		
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.36	8.63	8.45	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.34	8.54	8.44	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.34	8.86	8.59	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.76	18.4	8.22	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.81	8.34	8.34	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																
DB FLAT 117					Supply DB RISER BLOCK F - 5L1										Supply polarity confirmed YES					Continuity 101466954																
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance 101466954																
BLOCK B FLAT 117(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance 101466954																
					BS EN 88 Rating 80 A Nominal voltage 230 V					Z _s 0.20 Ω In - ms					RCD					101466954																
					RCD BS EN - Poles - Rating - mA					I _{pf} 1.17 kA 5I - ms					Earth electrode resistance -																					
CIRCUIT DETAILS													TEST RESULTS																							
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to					
1	COOKER				A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.55	18.8	8.5	PASS	-	-					
2	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.60	0.98	0.36	-	500	LIM	>299	PASS	0.56	19.1	9.1	PASS	-	-					
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.14	0.42	-	500	LIM	>299	PASS	0.62	22.7	11.5	PASS	-	-					
4	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	1.52	0.49	-	500	LIM	>299	PASS	0.69	19.4	9.7	PASS	-	-					
5	IMMERSOR 1				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.30	18.8	8.34	PASS	-	-					
6	IMMERSOR 2				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	18.3	8.36	PASS	-	-					
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.32	20.5	8.75	PASS	-	-					
8	LIGHTS				A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.23	-	500	LIM	>299	PASS	1.43	18.3	8.23	PASS	-	-					
9	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.87	18.7	12.1	PASS	-	-					
10	SIGN SPUR				A	C	1	1.5	1	0.4	61009	B	10	10	30	3.5	-	-	-	0.03	-	500	LIM	>299	PASS	0.23	18.8	8.52	PASS	-	-					
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														
Position	ELECTRICAL TEST ENGINEER																																			

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 31				Supply				DB RISER BLOCK B - 4L1						Supply polarity confirmed				YES													
Location				Phases				1						Phase sequence confirmed				PASS													
BLOCK B FLAT 31(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times													
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		4.04		kA		5I		-		ms			
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.41	18.5	18.2	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.14	0.51	-	500	LIM	>299	PASS	0.57	18.4	18.2	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.81	1.38	0.53	-	500	LIM	>299	PASS	0.59	8.55	8.55	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.97	0.96	1.59	0.63	-	500	LIM	>299	PASS	0.69	8.34	8.59	PASS	-	-			
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.37	18.6	18.1	PASS	-	-			
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.39	8.42	8.34	PASS	-	-			
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.39	18.5	18.1	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.75	8.44	8.44	PASS	-	-			
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.70	8.45	8.46	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																														

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 30			Supply			DB RISER BLOCK B - 3L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 30(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.05 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			4.73 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.47	18.6	18.1	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	>999	>999	0.72	0.64	-	500	LIM	>299	PASS	0.69	18.3	18.3	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.59	0.51	-	500	LIM	>299	PASS	0.56	18.7	18.1	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.52	0.44	-	500	LIM	>299	PASS	0.49	8.64	8.22	PASS	-	-							
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.34	8.33	8.24	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.32	18.5	18.7	PASS	-	-							
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.07	-	500	>299	>299	PASS	0.32	18.4	18.1	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.74	8.66	8.22	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.79	8.55	8.55	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
DB FLAT 28				Supply DB RISER BLOCK B - 3L1				Supply polarity confirmed YES						Continuity 101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																
BLOCK B FLAT 28(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.05 Ω In - ms				Earth fault loop impedance 101466954																
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 5.73 kA 5I - ms				RCD 101466954																
												Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.48	18.2	18.6	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.58	0.92	0.57	-	500	LIM	>299	PASS	0.62	18.8	18.1	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.49	0.35	-	500	LIM	>299	PASS	0.40	17.1	8.44	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.50	0.40	-	500	LIM	>299	PASS	0.45	8.86	8.55	PASS	-	-
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.22	-	500	>299	>299	PASS	0.27	8.59	8.59	PASS	-	-
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.24	18.4	18.4	PASS	-	-
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.24	18.3	18.3	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.77	18.4	18.1	PASS	-	-
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.80	18.6	8.77	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature			A B C D E F G H I																	
Position	ELECTRICAL TEST ENGINEER																											

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 25				Supply DB RISER BLOCK B - 2L1				Supply polarity confirmed YES						Continuity		101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance		101466954																
BLOCK B FLAT 25(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.07 Ω In - ms				Earth fault loop impedance		101466954																
				BS EN 88 Rating 80 A Nominal voltage 230 V				I _{pf} 3.34 kA 5I - ms				RCD		101466954																
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance		-																
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.39	8.55	8.55	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.68	0.35	-	500	LIM	>299	PASS	0.42	8.65	8.59	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.04	0.38	-	500	LIM	>299	PASS	0.45	8.34	8.22	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	1.22	0.39	-	500	LIM	>299	PASS	0.46	18.3	18.2	PASS	-	-		
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.32	18.6	18.1	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.31	17.9	8.55	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.34	8.34	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	18.2	18.1	PASS	-	-		
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.74	8.66	8.59	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 23			Supply			DB RISER BLOCK B - 1L2							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 23(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			3.41 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.2	18.1	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.01	0.41	-	500	LIM	>299	PASS	0.48	8.55	8.55	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.69	0.36	-	500	LIM	>299	PASS	0.43	8.59	8.55	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.66	0.56	0.35	-	500	LIM	>299	PASS	0.42	17.4	8.33	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.35	18.6	8.22	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.35	8.45	8.12	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.38	8.55	8.22	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.83	8.33	8.21	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.82	17.4	8.59	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 22				Supply DB RISER BLOCK B - 1L1				Supply polarity confirmed YES						Continuity		101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board				RCD operating times		Insulation resistance		101466954														
BLOCK B FLAT 22(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.06 Ω		In - ms		Earth fault loop impedance		101466954										
				BS EN 88		Rating 80		A		Nominal voltage 230 V		I _{pf} 3.94 kA		5I - ms		RCD		101466954												
				RCD BS EN -		Poles -		Rating -		mA						Earth electrode resistance		-												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.40	8.41	8.39	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.95	0.43	-	500	LIM	>299	PASS	0.49	17.8	8.22	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.71	0.81	0.42	-	500	LIM	>299	PASS	0.48	8.55	8.55	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.43	0.30	-	500	LIM	>299	PASS	0.36	8.72	8.36	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.32	-	500	>299	>299	PASS	0.38	18.4	18.4	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.32	-	500	>299	>299	PASS	0.38	8.55	8.51	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.37	19.2	18.4	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.74	8.44	8.44	PASS	-	-		
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.76	8.38	8.22	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 59				Supply DB RISER BLOCK C - 5L2										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK B FLAT 59(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.10 Ω In - ms				Earth fault loop impedance										
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 2.33 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.47	8.84	8.21	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.70	1.17	0.47	-	500	LIM	>299	PASS	0.57	8.85	8.55	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	1.39	0.59	-	500	LIM	>299	PASS	0.69	8.64	8.33	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.27	0.51	-	500	LIM	>299	PASS	0.61	8.22	8.22	PASS	-	-
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.43	17.1	8.45	PASS	-	-
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.43	8.44	8.38	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.32	-	500	>299	>299	PASS	0.42	8.23	8.23	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.78	8.45	8.55	PASS	-	-
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.73	-	500	LIM	>299	PASS	0.83	8.58	8.49	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature 																
Position	ELECTRICAL TEST ENGINEER							CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 57			Supply			DB RISER BLOCK C - 4L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 57(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.5 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.50	18.2	8.45	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.74	1.22	0.55	-	500	LIM	>299	PASS	0.64	8.60	8.45	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.90	0.91	1.51	0.61	-	500	LIM	>299	PASS	0.70	8.55	8.55	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.81	1.45	0.56	-	500	LIM	>299	PASS	0.65	9.22	8.45	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	17.4	8.35	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.33	8.62	8.50	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.37	8.77	8.33	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.87	8.11	8.45	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.07	-	500	LIM	>299	PASS	0.88	9.22	8.59	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature																									
Position	ELECTRICAL TEST ENGINEER				CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																														

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 56				Supply				DB RISER BLOCK C - 4L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 56(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.08		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.62		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.52	18.4	18.2	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.68	0.75	0.54	-	500	LIM	>299	PASS	0.62	8.55	8.45	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.72	0.61	0.56	-	500	LIM	>299	PASS	0.64	8.55	8.55	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	0.58	0.57	-	500	LIM	>299	PASS	0.65	8.48	8.32	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.11	8.45	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.67	8.59	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.34	8.45	8.45	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.88	18.4	18.1	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.85	18.2	18.2	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																		
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
DB FLAT 55			Supply			DB RISER BLOCK C - 4L1							Supply polarity confirmed			YES			Continuity			101466954									
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954						
BLOCK B FLAT 55(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954			
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954							
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-				
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.52	17.4	8.45	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.81	0.48	-	500	LIM	>299	PASS	0.56	8.55	8.32	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.56	0.42	-	500	LIM	>299	PASS	0.50	18.4	18.2	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.62	0.37	-	500	LIM	>299	PASS	0.45	8.59	8.45	PASS	-	-			
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.32	-	500	>299	>299	PASS	0.40	8.45	8.45	PASS	-	-			
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.30	-	500	>299	>299	PASS	0.38	8.62	8.33	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.30	-	500	>299	>299	PASS	0.38	8.45	8.45	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.77	8.33	PASS	-	-			
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.45	8.55	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																														

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 54				Supply				DB RISER BLOCK C - 3L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 54(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.08		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		2.96		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	8.77	8.10	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.75	0.44	-	500	LIM	>299	PASS	0.52	8.62	8.42	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	>999	0.87	0.97	0.50	-	500	LIM	>299	PASS	0.58	8.88	8.55	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.82	0.34	0.37	-	500	LIM	>299	PASS	0.45	8.77	8.33	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	18.2	18.2	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.34	8.68	8.42	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.34	17.4	18.1	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.79	18.2	18.3	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.84	18.4	18.2	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 53				Supply DB RISER BLOCK C - 3L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK B FLAT 53(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.08 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 2.92 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	18.4	8.66	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.57	0.58	1.13	0.48	-	500	LIM	>299	PASS	0.56	8.77	8.34	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	0.45	0.35	-	500	LIM	>299	PASS	0.43	8.54	8.44	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.35	0.41	-	500	LIM	>299	PASS	0.49	18.4	18.2	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.35	-	500	>299	>299	PASS	0.43	18.8	18.2	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.39	18.7	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.33	-	500	>299	>299	PASS	0.41	8.44	8.44	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.71	8.66	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.71	18.4	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 49				Supply				DB RISER BLOCK C - 2L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK C FLAT 49(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.07		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		3.54		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.51	18.8	18.0	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.61	0.41	0.38	-	500	LIM	>299	PASS	0.45	18.4	18.3	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.56	0.37	-	500	LIM	>299	PASS	0.44	18.3	18.3	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	0.85	0.46	-	500	LIM	>299	PASS	0.53	18.2	8.59	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.8	18.1	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.3	18.3	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.36	8.22	8.12	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	18.4	18.2	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.77	18.3	18.3	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																									
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used																						
DB FLAT 48			Supply			DB RISER BLOCK C - 1L3							YES			Continuity			101466954																			
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954													
BLOCK C FLAT 48(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954										
			BS EN			88			Rating			80 A			Nominal voltage			230 V			I _{pf}			3.22 kA			5I			- ms			RCD			101466954		
			RCD BS EN			-			Poles			-			Rating			-			mA			-			Earth electrode resistance			-								
CIRCUIT DETAILS													TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to										
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.49	-	500	>299	>299	PASS	0.56	8.82	8.72	PASS	-	-										
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.77	0.46	-	500	LIM	>299	PASS	0.53	8.44	8.22	PASS	-	-										
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.88	0.87	1.49	0.59	-	500	LIM	>299	PASS	0.66	9.11	8.40	PASS	-	-										
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.80	1.20	0.63	-	500	LIM	>299	PASS	0.70	18.6	8.42	PASS	-	-										
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.2	8.42	PASS	-	-										
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	8.42	8.30	PASS	-	-										
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.33	8.55	8.34	PASS	-	-										
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.81	-	500	LIM	>299	PASS	0.88	8.42	8.42	PASS	-	-										
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.73	-	500	LIM	>299	PASS	0.80	9.11	8.38	PASS	-	-										
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				
Position	ELECTRICAL TEST ENGINEER																																					

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 45				Supply SBC - 2L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK C FLAT 45(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.08 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 2.74 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.39	-	500	>299	>299	PASS	0.47	8.88	8.55	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.40	0.31	-	500	LIM	>299	PASS	0.39	18.4	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.46	0.46	0.69	0.40	-	500	LIM	>299	PASS	0.48	18.6	18.2	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	1.23	0.45	-	500	LIM	>299	PASS	0.53	18.8	18.1	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.35	8.88	8.35	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.45	8.45	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.30	-	500	>299	>299	PASS	0.38	8.82	8.59	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.86	17.6	8.45	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	18.3	18.1	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																		
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used															
DB FLAT 44			Supply SBC - 2L2										YES			Continuity			101466954												
Location			Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times			Insulation resistance			101466954												
BLOCK C FLAT 44(PROTEK)			Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms			Earth fault loop impedance			101466954												
			BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 2.44 kA 5I - ms			RCD			101466954												
			RCD BS EN - Poles - Rating - mA													Earth electrode resistance			-												
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.40	18.3	8.89	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.97	0.47	-	500	LIM	>299	PASS	0.56	8.81	8.45	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.84	0.45	-	500	LIM	>299	PASS	0.54	8.82	8.59	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.63	0.72	0.43	-	500	LIM	>299	PASS	0.52	18.6	18.0	PASS	-	-			
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.39	-	500	>299	>299	PASS	0.48	8.45	8.45	PASS	-	-			
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.38	-	500	>299	>299	PASS	0.47	8.45	8.22	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.36	-	500	>299	>299	PASS	0.45	18.5	18.2	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	18.3	18.2	PASS	-	-			
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.78	8.86	8.45	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER						Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																														

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 41				Supply DB RISER BLOCK C - 6L2				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK C FLAT 41(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 2.62 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.40	-	500	>299	>299	PASS	0.49	18.6	18.5	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	>999	0.57	-	500	LIM	>299	PASS	0.66	8.85	8.49	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.72	1.13	0.51	-	500	LIM	>299	PASS	0.60	8.83	8.11	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	0.52	0.48	-	500	LIM	>299	PASS	0.57	18.4	18.6	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.56	8.45	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.24	8.11	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.34	18.4	18.3	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.86	8.84	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.72	8.44	8.33	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 40				Supply DB RISER BLOCK C - 6L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK C FLAT 40(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 2.64 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.85	8.59	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.50	0.50	0.53	0.38	-	500	LIM	>299	PASS	0.47	8.44	8.44	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	0.68	0.44	-	500	LIM	>299	PASS	0.53	18.2	8.34	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.80	1.04	0.40	-	500	LIM	>299	PASS	0.49	8.56	8.56	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.33	8.49	8.49	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.8	18.4	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.56	8.49	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.81	18.4	18.2	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	18.3	18.3	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS															
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB FLAT 76				Supply DB RISER BLOCK D - 5L2				Supply polarity confirmed YES						Continuity		101466954													
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance		101466954															
BLOCK D FLAT 76(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance		101466954															
				BS EN 88 Rating 80 A Nominal voltage 230 V				I _{pf} 2.83 kA 5I - ms				RCD		101466954															
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance		-															
CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.40	-	500	>299	>299	PASS	0.49	8.76	8.35	PASS	-	-	
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.57	0.97	0.47	-	500	LIM	>299	PASS	0.56	17.1	8.59	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.70	1.27	0.51	-	500	LIM	>299	PASS	0.60	8.65	8.32	PASS	-	-	
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.41	0.41	0.62	0.40	-	500	LIM	>299	PASS	0.49	8.85	8.49	PASS	-	-	
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.86	8.35	PASS	-	-	
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.12	8.33	PASS	-	-	
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.38	18.4	18.2	PASS	-	-	
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.72	8.55	8.53	PASS	-	-	
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	8.32	8.11	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 73				Supply DB RISER BLOCK D - 4L2				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK D FLAT 73(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 2.5 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.48	-	500	>299	>299	PASS	0.57	8.43	8.11	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.69	0.62	0.42	-	500	LIM	>299	PASS	0.51	18.4	18.4	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.76	0.94	0.37	-	500	LIM	>299	PASS	0.46	8.56	8.59	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.82	0.81	0.43	0.41	-	500	LIM	>299	PASS	0.50	8.45	8.45	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.85	8.36	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.40	8.81	8.34	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.09	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.81	17.1	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	8.87	8.59	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 72				Supply DB RISER BLOCK D - 4L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954																
BLOCK D FLAT 72(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954																
				BS EN 88		Rating 80		A Nominal voltage 230 V		Z _s 0.09 Ω		In - ms		RCD 101466954																
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 2.63 kA		5I - ms		Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.50	-	500	>299	>299	PASS	0.59	18.4	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.14	0.46	-	500	LIM	>299	PASS	0.55	8.55	8.56	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.00	0.98	2.46	0.55	-	500	LIM	>299	PASS	0.64	9.11	8.56	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.97	0.97	1.66	0.60	-	500	LIM	>299	PASS	0.69	18.3	18.3	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.55	8.44	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.45	8.22	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.35	18.4	18.4	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.84	18.3	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.80	8.82	8.81	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 71			Supply			DB RISER BLOCK D - 3L3							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK D FLAT 71(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.52	8.48	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.62	0.41	-	500	LIM	>299	PASS	0.50	8.88	8.55	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.71	0.39	-	500	LIM	>299	PASS	0.48	18.4	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.62	0.38	-	500	LIM	>299	PASS	0.47	18.3	8.62	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.76	8.59	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.33	8.33	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.34	17.1	8.59	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.89	8.82	8.44	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.56	8.44	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 70			Supply			DB RISER BLOCK D - 3L2							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK D FLAT 70(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.52	8.64	8.33	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.80	1.33	0.47	-	500	LIM	>299	PASS	0.55	18.3	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.80	1.19	0.58	-	500	LIM	>299	PASS	0.66	8.52	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.71	0.94	0.47	-	500	LIM	>299	PASS	0.55	8.68	8.22	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.35	18.6	18.3	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.81	8.60	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.30	-	500	>299	>299	PASS	0.38	18.5	18.2	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.73	-	500	LIM	>299	PASS	0.81	8.44	8.33	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.79	8.80	8.55	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																									
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																									
DB FLAT 69			Supply			DB RISER BLOCK D - 3L1							Supply polarity confirmed			YES			Continuity			101466954																
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954													
BLOCK D FLAT 69(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954										
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954														
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			3.14 kA			5I			-			ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to										
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.48	18.4	18.2	PASS	-	-										
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.69	1.17	0.47	-	500	LIM	>299	PASS	0.54	8.66	8.44	PASS	-	-										
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.02	1.03	0.88	0.58	-	500	LIM	>299	PASS	0.65	8.83	8.55	PASS	-	-										
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.87	0.87	1.13	0.57	-	500	LIM	>299	PASS	0.64	8.44	8.43	PASS	-	-										
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.85	8.22	PASS	-	-										
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.54	8.44	PASS	-	-										
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.35	8.82	8.22	PASS	-	-										
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.56	8.22	PASS	-	-										
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.73	8.82	8.60	PASS	-	-										
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																					

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 68			Supply			DB RISER BLOCK D - 2L3							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK D FLAT 68(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	8.56	8.22	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.57	0.94	0.46	-	500	LIM	>299	PASS	0.54	8.45	8.45	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.84	0.83	0.91	0.45	-	500	LIM	>299	PASS	0.53	8.82	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.53	0.53	0.40	0.31	-	500	LIM	>299	PASS	0.39	8.66	8.59	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	18.4	18.1	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.44	8.44	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.82	8.33	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.45	8.45	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.56	8.51	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 67				Supply DB RISER BLOCK D - 2L2				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK D FLAT 67(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.08 Ω In - ms				Earth fault loop impedance 101466954																		
				BS EN 88 Rating 80 A Nominal voltage 230 V				I _{pf} 3.02 kA 5I - ms				RCD 101466954																		
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.46	-	500	>299	>299	PASS	0.54	18.2	18.3	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.66	0.67	1.13	0.48	-	500	LIM	>299	PASS	0.56	8.66	8.22	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.88	0.87	0.90	0.45	-	500	LIM	>299	PASS	0.53	18.3	18.2	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.85	0.85	1.31	0.52	-	500	LIM	>299	PASS	0.60	18.5	18.5	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.35	18.4	18.3	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.35	18.3	18.3	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.56	8.44	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	18.3	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.79	8.45	8.45	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 66				Supply				DB RISER BLOCK D - 2L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK D FLAT 66(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.09		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.51		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.47	-	500	>299	>299	PASS	0.56	18.7	18.3	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.04	0.50	-	500	LIM	>299	PASS	0.59	18.5	18.2	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.63	0.63	0.84	0.46	-	500	LIM	>299	PASS	0.55	18.8	18.2	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.27	1.26	1.05	0.51	-	500	LIM	>299	PASS	0.60	18.4	18.4	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.3	18.2	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.6	18.3	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.36	19.4	18.2	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.80	8.66	8.34	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.83	18.5	18.3	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 65				Supply DB RISER BLOCK D - 1L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK D FLAT 65(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 2.86 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.46	18.4	18.3	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.87	0.38	-	500	LIM	>299	PASS	0.47	18.6	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.63	0.63	0.70	0.39	-	500	LIM	>299	PASS	0.48	18.3	18.0	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.57	0.34	-	500	LIM	>299	PASS	0.43	8.66	8.44	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.56	8.33	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.2	18.1	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.34	8.66	8.55	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.70	8.42	8.12	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.74	18.2	8.62	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 63				Supply				DB RISER BLOCK D - 1L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK D FLAT 63(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.08		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.86		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.53	-	500	>299	>299	PASS	0.51	18.4	18.2	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.94	0.93	1.00	0.51	-	500	LIM	>299	PASS	0.59	18.1	8.45	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.81	0.97	0.47	-	500	LIM	>299	PASS	0.55	8.59	8.59	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.95	0.48	-	500	LIM	>299	PASS	0.56	8.35	8.22	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.37	18.3	18.2	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.45	8.45	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.86	8.22	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.78	18.3	18.2	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.44	8.22	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 62			Supply			SBD - 1L2							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 62(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			60947 - 2			Rating			63 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.5 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.44	18.3	18.3	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.92	0.50	-	500	LIM	>299	PASS	0.59	8.66	8.45	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.70	1.01	0.48	-	500	LIM	>299	PASS	0.57	8.79	8.22	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.46	0.46	0.52	0.30	-	500	LIM	>299	PASS	0.39	8.88	8.22	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.45	8.45	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.3	18.2	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.45	8.45	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	8.51	8.51	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.88	8.45	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature																									
Position	ELECTRICAL TEST ENGINEER				CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																														

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used													
DB FLAT 60			Supply SBD - 1L3										YES			Continuity													
Location			Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times			Insulation resistance													
BLOCK D FLAT 60(PROTEK)			Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms			Earth fault loop impedance													
			BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 2.52 kA 5I - ms			RCD													
			RCD BS EN - Poles - Rating - mA													Earth electrode resistance													
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	18.3	8.50	PASS	-	-	
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.25	0.50	-	500	LIM	>299	PASS	0.59	18.2	9.46	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.83	0.82	1.42	0.52	-	500	LIM	>299	PASS	0.61	8.55	8.40	PASS	-	-	
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.56	0.31	-	500	LIM	>299	PASS	0.40	8.64	8.40	PASS	-	-	
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	8.51	0.50	PASS	-	-	
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	18.2	8.33	PASS	-	-	
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.37	8.50	8.40	PASS	-	-	
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.74	8.77	8.33	PASS	-	-	
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.78	8.86	8.50	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used	
DB FLAT 79	Supply	DB RISER BLOCK D - 6L2								Supply polarity confirmed					YES		Continuity	101466954		
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954			
BLOCK D FLAT 79(PROTEK)	Overcurrent protective device for distribution circuit																			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.09	Ω	In	-	ms	Earth fault loop impedance			101466954		
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	2.56	kA	5I	-	ms	RCD			101466954			
																		Earth electrode resistance		

TEST RESULTS

[illegible]

S. Pender

CODES FOR TYPES OF WIRING		
A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 77				Supply SBD - 2L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK D FLAT 77(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.23 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.57	-	500	>299	>299	PASS	0.64	18.4	18.1	PASS	-	-		
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.90	0.90	0.69	0.43	-	500	LIM	>299	PASS	0.50	18.7	18.3	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.91	0.90	1.18	0.56	-	500	LIM	>299	PASS	0.63	18.4	18.4	PASS	-	-		
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.59	0.38	-	500	LIM	>299	PASS	0.45	18.3	18.2	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.4	18.4	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.2	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	LIM	-	500	>299	>299	-	LIM	18.2	18.1	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.71	18.8	18.9	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	18.8	18.9	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used													
DB FLAT 19			Supply SBB - 4L3										YES			Continuity													
Location			Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times			Insulation resistance													
BLOCK B FLAT 19(PROTEK)			Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms			Earth fault loop impedance													
			BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.44 kA 5I - ms			RCD													
			RCD BS EN - Poles - Rating - mA													Earth electrode resistance													
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.38	-	500	>299	>299	PASS	0.45	8.71	8.55	PASS	-	-	
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.85	0.42	-	500	LIM	>299	PASS	0.49	18.3	18.3	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.88	0.88	>999	0.41	-	500	LIM	>299	PASS	0.48	18.2	18.1	PASS	-	-	
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.68	0.37	-	500	LIM	>299	PASS	0.44	8.59	8.59	PASS	-	-	
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.6	18.1	PASS	-	-	
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.4	18.4	PASS	-	-	
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.32	8.55	8.59	PASS	-	-	
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	19.4	18.3	PASS	-	-	
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.83	18.5	18.2	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 20				Supply SBB - 5L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK B FLAT 20(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.32 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (r)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.41	18.4	18.2	PASS	-	-		
2	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.43	18.3	18.3	PASS	-	-		
3	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.66	0.95	0.43	-	500	LIM	>299	PASS	0.50	18.4	8.62	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.64	0.39	-	500	LIM	>299	PASS	0.46	18.4	8.37	PASS	-	-		
5	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.64	0.36	-	500	LIM	>299	PASS	0.43	18.3	8.55	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.4	18.2	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.3	18.2	PASS	-	-		
8	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.82	8.55	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	8.55	8.52	PASS	-	-		
10	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.84	-	500	LIM	>299	PASS	0.91	18.6	18.3	PASS	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 38				Supply				DB RISER BLOCK B - 6L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 38(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.07		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		3.12		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.44	8.59	8.55	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	0.82	0.42	-	500	LIM	>299	PASS	0.49	18.3	18.3	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	1.45	0.42	-	500	LIM	>299	PASS	0.49	8.72	8.69	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.16	0.48	-	500	LIM	>299	PASS	0.55	19.1	18.4	PASS	-	-									
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.36	8.55	8.55	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.72	8.11	PASS	-	-									
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	9.11	8.32	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.77	8.84	8.71	PASS	-	-									
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	8.84	8.62	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
DB FLAT 37				Supply DB RISER BLOCK B - 6L2				Supply polarity confirmed YES						Continuity 101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954														
BLOCK B FLAT 37(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954														
				BS EN 88 Rating 80 A Nominal voltage 230 V				Z _s 0.07 Ω In - ms						RCD 101466954														
				RCD BS EN - Poles - Rating - mA				I _{pf} 3.54 kA 5I - ms						Earth electrode resistance -														
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.43	18.2	8.70	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	0.83	0.42	-	500	LIM	>299	PASS	0.49	8.70	8.66	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.68	1.17	0.43	-	500	LIM	>299	PASS	0.50	8.84	8.60	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.72	1.31	0.48	-	500	LIM	>299	PASS	0.55	8.71	8.56	PASS	-	-
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.55	8.55	PASS	-	-
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.36	-	500	>299	>299	PASS	0.43	8.44	8.36	PASS	-	-
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.35	-	500	>299	>299	PASS	0.42	8.83	8.60	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.44	8.60	PASS	-	-
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.81	8.77	8.32	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature 																
Position	ELECTRICAL TEST ENGINEER							CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 7				Supply DB RISER A - 2L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 7(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 6.12 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.32	-	500	>299	>299	PASS	0.35	>300	>40	FAIL	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.52	0.53	0.87	0.51	-	500	LIM	>299	PASS	0.54	18.6	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.65	0.65	0.78	0.42	-	500	LIM	>299	PASS	0.45	18.5	18.2	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.40	0.40	0.61	0.44	-	500	LIM	>299	PASS	0.47	18.7	8.45	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.31	8.53	8.26	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.32	18.3	18.4	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.28	18.2	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.71	18.1	9.11	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.77	8.55	8.39	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used	
DB FLAT 4	Supply	DB RISER A - 1L1								Supply polarity confirmed					YES		Continuity	101466954		
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954			
BLOCK A FLAT 4(PROTEK)	Overcurrent protective device for distribution circuit																			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.03	Ω	In	-	ms	Earth fault loop impedance			101466954		
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	8.02	kA	5I	-	ms	RCD			101466954			
																		Earth electrode resistance		

CIRCUIT DETAILS

TEST RESULTS

[illegible]

Signature

S. Pender

CODES FOR TYPES OF WIRING

D PVC cables in metallic trunking **G** XLPE/SWA cables

E PVC cables in non-metallic trunking **H** MICC mineral insulated cables

I Other

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																	
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed					YES		Serial or asset numbers of test instruments used															
DB FLAT 10					Supply					DB RISER A - 3L1												Continuity		101466954													
Location					Phases					1					Phase sequence confirmed					PASS		Characteristics at board		RCD operating times		Insulation resistance		101466954									
BLOCK A FLAT 10(PROTEK)					Overcurrent protective device for distribution circuit																			Earth fault loop impedance		101466954											
					BS EN		88			Rating		80		A		Nominal voltage		230		V		Z _s		0.04 Ω		In		-		ms		RCD		101466954			
					RCD BS EN		-			Poles		-				Rating		-		mA		I _{pf}		6.34 kA		5I		-		ms		Earth electrode resistance		-			
CIRCUIT DETAILS													TEST RESULTS																								
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to						
1	COOKER				A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.37	-	500	>299	>299	PASS	0.41	8.84	8.22	PASS	-	-						
2	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.58	0.58	0.85	0.46	-	500	LIM	>299	PASS	0.50	8.34	8.55	PASS	-	-						
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	>999	0.73	1.04	0.60	-	500	LIM	>299	PASS	0.64	17.1	8.30	PASS	-	-						
4	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.41	0.41	0.62	0.36	-	500	LIM	>299	PASS	0.40	18.4	8.22	PASS	-	-						
5	IMMERSION 1				A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	500	>299	>299	PASS	LIM	8.56	8.49	PASS	-	-						
6	IMMERSION 2				A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	500	>299	>299	PASS	LIM	8.12	8.34	PASS	-	-						
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	LIM	-	500	>299	>299	PASS	LIM	18.6	8.22	PASS	-	-						
8	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.73	8.55	8.22	PASS	-	-						
9	LIGHTS				A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.69	18.5	8.12	PASS	-	-						
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBA				Supply				MAIN LV SWITCHBOARD - 1TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK A RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.02 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		24.1 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1TP	BUSBAR (supply to DB RISER A)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.03	-	-	-	-	-									
2L1	DB FLAT 1 (supply to DB FLAT 1)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.02	-	500	>299	>299	PASS	0.04	-	-	-	-	-									
2L2	DB FLAT 2 (supply to DB FLAT 2)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.02	-	500	>299	>299	PASS	0.04	-	-	-	-	-									
2L3	DB FLAT 3 (supply to DB FLAT 3)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-									
3L1	LANDLORDS DBA (supply to LANDLORDS DB A)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.03	-	-	-	-	-									
3L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
3L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.45	-	500	LIM	LIM	PASS	0.47	-	-	-	-	-									
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
5TP	LIFT	G	E	1	4	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.20	-	500	LIM	LIM	PASS	0.22	-	-	-	-	-									
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																									
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																									
SBF				Supply				MAIN LV SWITCHBOARD - 7TP						Supply polarity confirmed				YES																					
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954															
BLOCK F RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954													
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.06 Ω		In		-		ms		Earth fault loop impedance				101466954					
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		7.22 kA		5I		-		ms		RCD				101466954					
																												Earth electrode resistance				-							
CIRCUIT DETAILS														TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to											
1TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
2L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
2L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
2L3	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.33	-	500	LIM	LIM	PASS	0.39	-	-	-	-	-											
3TP	LIFT	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.19	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-											
4L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
4L3	LANDLORDS DBF (supply to LANDLORDS DB F)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-											
5L1	DB FLAT 104 (supply to DB FLAT 104)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.20	-	-	-	-	-											
5L2	DB FLAT 103 (supply to DB FLAT 103)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.20	-	-	-	-	-											
5L3	DB FLAT 102 (supply to DB FLAT 102)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.13	-	500	>299	>299	PASS	0.19	-	-	-	-	-											
6TP	RISER (supply to DB RISER BLOCK F)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.07	-	-	-	-	-											
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature																CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position		ELECTRICAL TEST ENGINEER																																					

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBC				Supply				MAIN LV SWITCHBOARD - 3TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK C RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z_s		0.05 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I_{pf}		8.84 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (m)	CPC (r2)	$R_1 + R_2$	R_2	Voltage	Live Live M Ω	Live Earth M Ω	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1TP	BUSBAR (supply to DB RISER BLOCK C)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.05	-	-	-	-	-									
2L1	DB FLAT 43 (supply to DB FLAT 43)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-									
2L2	DB FLAT 44 (supply to DB FLAT 44)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
2L3	DB FLAT 45 (supply to DB FLAT 45)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-									
3L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.30	-	500	LIM	LIM	PASS	0.35	-	-	-	-	-									
3L2	LANDLORDS DBC (supply to LANDLORDS DB C)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.05	-	-	-	-	-									
3L3	DB FLAT 39 (supply to DB FLAT 39)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
5TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.28	-	500	LIM	LIM	PASS	0.33	-	-	-	-	-									
6TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.20	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBD				Supply				MAIN LV SWITCHBOARD - 4TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK D RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.06 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		8.2 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1L1	DB FLAT 61 (supply to DB FLAT 61)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
1L2	DB FLAT 62 (supply to DB FLAT 62)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
1L3	DB FLAT 60 (supply to DB FLAT 60)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
2L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.20	-	500	LIM	LIM	PASS	0.26	-	-	-	-	-									
2L2	DB FLAT 77 (supply to DB FLAT 77)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
2L3	LANDLORDS DBD (supply to LANDLORDS DB D)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-									
3TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
4TP	BUSBAR (supply to DB RISER BLOCK D)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.06	-	-	-	-	-									
5TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.28	-	500	LIM	LIM	PASS	0.34	-	-	-	-	-									
6TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.31	-	500	LIM	LIM	PASS	0.37	-	-	-	-	-									
Engineer	STEPHEN PENDER						Date	05 Aug 2021		Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBE				Supply				MAIN LV SWITCHBOARD - 6TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK E RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z_s		0.07 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I_{pf}		7.02 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (m)	CPC (r2)	$R_1 + R_2$	R_2	Voltage	Live Live M Ω	Live Earth M Ω	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.22	-	500	LIM	LIM	PASS	0.29	-	-	-	-	-									
1L2	DB FLAT 86 (supply to DB FLAT 86)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-									
1L3	DB FLAT 85 (supply to DB FLAT 85)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-									
2L1	DB FLAT 81 (supply to DB FLAT 81)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-									
2L2	DB FLAT 87 (supply to DB FLAT 87)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-									
2L3	LANDLORDS DBE (supply to LANDLORDS DB E)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-									
3TP	BUSBAR (supply to DB RISER BLOCK E)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.07	-	-	-	-	-									
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
5TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.18	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-									
6TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.19	-	500	LIM	LIM	PASS	0.26	-	-	-	-	-									
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature																											
Position		ELECTRICAL TEST ENGINEER										CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																									

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBB				Supply				MAIN LV SWITCHBOARD - 2TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK B RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.04 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		10.6 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.23	-	500	LIM	LIM	PASS	0.27	-	-	-	-	-									
2TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.20	-	500	LIM	LIM	PASS	0.24	-	-	-	-	-									
3TP	ADMIN DB (supply to ADMIN DB)	G	E	1	16	SWA	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.07	-	500	LIM	LIM	PASS	0.11	-	-	-	-	-									
4L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.33	-	500	LIM	LIM	PASS	0.37	-	-	-	-	-									
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
4L3	DB FLAT 19 (supply to DB FLAT 19)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
5L1	DB FLAT 20 (supply to DB FLAT 20)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
5L2	DB FLAT 21 (supply to DB FLAT 21)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-									
5L3	LANDLORDS DB B (supply to LANDLORDS DB B)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.04	-	-	-	-	-									
6TP	RISER (supply to DB RISER BLOCK B)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-									
Engineer		STEPHEN PENDER						Date		05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position		ELECTRICAL TEST ENGINEER																																			

BOARD CHARACTERISTICS																				TEST INSTRUMENTS									
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
LANDLORDS DB A					Supply SBA - 3L1					Supply polarity confirmed YES					Continuity			101466954											
Location					Phases 1Phase sequence confirmed PASS					Characteristics at boardRCD operating times					Insulation resistance			101466954											
BLOCK A RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Z _s 0.03 ΩIn - ms					Earth fault loop impedance			101466954						
					BS EN 60947 - 2		Rating 63		A		Nominal voltage 230		V							RCD			101466954						
					RCD BS EN -		Poles -		Rating -		mA		I _{pf} 8.03 kA5I			- ms			Earth electrode resistance			-							
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation		Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COMMUNAL POWER GRD,1ST,2ND RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.59	0.59	1.60	0.31	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
2	COMMUNAL POWER 3RD,4TH,5TH RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.60	0.60	1.29	0.44	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
3	COMMS CUPBOARD SUPPLY		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
4	AVO PANEL SUPPLY		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
5	DOOR ACCESS		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.41	-	500	LIM	LIM	PASS	0.44	-	-	-	-	-
6	DISABLED ALARM		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
7	OUTSIDE LIGHT		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
8	STAIRCASE LIGHTS GRD,1ST,2ND		A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.34	-	500	LIM	>299	PASS	2.37	-	-	-	-	-
9	STAIRCASE LIGHTS 3RD,4TH,5TH		A	E	12	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.31	-	500	LIM	>299	PASS	3.34	-	-	-	-	-
10	COMMUNAL/EM LIGHTS GROUND		A	E	7	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.74	-	500	LIM	>299	PASS	0.77	-	-	-	-	-
11	COMMUNAL/EM LIGHTS 1ST		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.39	-	500	LIM	>299	PASS	1.42	-	-	-	-	-
12	COMMUNAL/EM LIGHTS 2ND		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.36	-	500	LIM	>299	PASS	1.39	-	-	-	-	-
13	COMMUNAL/EM LIGHTS 3RD		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.50	-	500	LIM	>299	PASS	1.53	-	-	-	-	-
14	COMMUNAL/EM LIGHTS 4TH		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.45	-	500	LIM	>299	PASS	1.48	-	-	-	-	-

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Aug-10 14:03:53 UTC

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
LANDLORDS DB C					Supply					SBC - 3L2					Supply polarity confirmed					YES					Continuity				101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Location					Phases					1					Phase sequence confirmed					PASS					Insulation resistance				101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
BLOCK C RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance				101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					BS EN					60947 - 2					Rating					63					A					Nominal voltage					230					V					Z _s					0.05					Ω					In					-					ms					RCD				101466954																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					4.56					kA					5I					-					ms					Earth electrode resistance				-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
17	DOOR ACCESS EXTENSION	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.85	-	500	LIM	LIM	PASS	0.90	-	-	-	-	-		
18	LIGHTS 1ST FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.43	-	500	LIM	>299	PASS	1.48	-	-	-	-	-		
19	LIGHTS 2ND FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.31	-	500	LIM	>299	PASS	1.36	-	-	-	-	-		
20	LIGHTS 3RD FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.40	-	500	LIM	>299	PASS	1.45	-	-	-	-	-		
21	LIGHTS 4TH FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.73	-	500	LIM	>299	PASS	1.78	-	-	-	-	-		
22	LIGHTS 5TH FLOOR	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.92	-	500	LIM	>299	PASS	1.97	-	-	-	-	-		
23	SPEECH UNIT	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-		
24	DOOR LOCK	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.29	-	500	LIM	>299	PASS	0.34	-	-	-	-	-		
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING										
Position	ELECTRICAL TEST ENGINEER																				A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									

BOARD CHARACTERISTICS																				TEST INSTRUMENTS									
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
LANDLORDS DB E					Supply SBE - 2L3										Supply polarity confirmed YES					Continuity 101466954									
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance 101466954									
BLOCK E RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms					Earth fault loop impedance 101466954									
					BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V					RCD BS EN - Poles - Rating - mA										RCD 101466954									
															I _{pf} 3.44 kA 5I - ms					Earth electrode resistance -									
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation		Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	GRD,1ST,2ND RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.58	0.58	0.90	0.27	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
2	3RD,4TH,5TH RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.59	0.60	2.70	0.46	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
3	EXTENSION RING		A	E	4	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.62	0.62	1.03	0.48	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4	TV AMP		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.26	-	500	LIM	LIM	PASS	0.33	-	-	-	-	-
5	COMMS CABINET		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.27	-	500	LIM	LIM	PASS	0.34	-	-	-	-	-
6	AOV SUPPLY		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.27	-	500	LIM	LIM	PASS	0.44	-	-	-	-	-
7	OUTSIDE LIGHT		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
8	DISABLED ALARM		A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
9	LIGHTS GROUND ENTRANCE		A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.03	-	500	LIM	>299	PASS	1.10	-	-	-	-	-
10	LIGHTS GROUND		A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.87	-	500	LIM	>299	PASS	1.94	-	-	-	-	-
11	LIGHTS EXTENSION		A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.80	-	500	LIM	>299	PASS	1.87	-	-	-	-	-
12	LIGHTS STAIRS EXTENSION		A	E	16	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.12	-	500	LIM	>299	PASS	3.19	-	-	-	-	-
13	STAIR LIGHTS GRD/1ST/2ND		A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.26	-	500	LIM	>299	PASS	1.33	-	-	-	-	-
14	STAIR LIGHTS 3RD/4TH/5TH		A	E	11	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.90	-	500	LIM	>299	PASS	2.97	-	-	-	-	-
15	SPEECH UNIT		A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.26	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
16	SPARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
17	DOOR ACCESS EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.34	-	500	LIM	>299	PASS	0.41	-	-	-	-	-	
18	LIGHTS 1ST FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.03	-	500	LIM	>299	PASS	1.10	-	-	-	-	-	
19	LIGHTS 2ND FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.89	-	500	LIM	>299	PASS	0.96	-	-	-	-	-	
20	LIGHTS 3RD FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.97	-	500	LIM	>299	PASS	1.04	-	-	-	-	-	
21	LIGHTS 4TH FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.17	-	500	LIM	>299	PASS	1.24	-	-	-	-	-	
22	LIGHTS 5TH FLOOR	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.12	-	500	LIM	>299	PASS	1.19	-	-	-	-	-	
23	SPEECH UNIT	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
24	DOOR ACCESS EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.52	-	500	LIM	>299	PASS	0.59	-	-	-	-	-	
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER														A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														

BOARD CHARACTERISTICS																				TEST INSTRUMENTS									
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used									
LANDLORDS DB D					Supply SBD - 2L3										Supply polarity confirmed YES					Continuity				101466954					
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance				101466954					
BLOCK D RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954					
					BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V					Z _s 0.07 Ω In - ms					RCD				101466954										
					RCD BS EN - Poles - Rating - mA					I _{pf} 3.66 kA 5I - ms					Earth electrode resistance				-										
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation		Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	GRD,1ST,2ND RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.49	0.49	0.84	0.30	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
2	EXTENSION RING		A	E	4	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.64	0.64	1.07	0.45	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
3	3RD,4TH,5TH RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.49	0.49	0.91	0.39	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
4	TV POINT		A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.41	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	COMMS CABINET		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
6	SMOKE VENT		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.49	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
7	SPEECH UNIT		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
8	DOOR ACCESS		A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.39	-	500	LIM	LIM	PASS	0.46	-	-	-	-	-
9	DOOR ACCESS EXTENSION		A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
10	DISABLED ALARM		A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.34	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
11	ENTRANCE LIGHTS		A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.00	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
12	EM GROUND		A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	0.98	-	-	-	-	-
13	STAIR LIGHTS EXTENSION		A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.29	-	500	LIM	>299	PASS	3.36	-	-	-	-	-
14	STAIR LIGHTS 1ST/2ND		A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.49	-	500	LIM	>299	PASS	1.56	-	-	-	-	-
15	STAIR LIGHTS 3RD/4TH/5TH		A	E	10	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.09	-	500	LIM	>299	PASS	3.16	-	-	-	-	-
16	SPEECH UNIT		A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
17	EM + CORRIDOR LIGHTS 1ST		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.91	-	500	LIM	>299	PASS	0.98	-	-	-	-	-

CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
18	EM + CORRIDOR LIGHTS 2ND	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.12	-	500	LIM	>299	PASS	1.19	-	-	-	-	-		
19	EM + CORRIDOR LIGHTS 3RD	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.27	-	500	LIM	>299	PASS	1.34	-	-	-	-	-		
20	EM + CORRIDOR LIGHTS 4TH	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.40	-	500	LIM	>299	PASS	1.47	-	-	-	-	-		
21	EM + CORRIDOR LIGHTS 5TH	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.34	-	500	LIM	>299	PASS	1.41	-	-	-	-	-		
22	EM LIGHTS EXTENSION	A	E	8	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.60	-	500	LIM	>299	PASS	2.67	-	-	-	-	-		
23	CARD READER	A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-		
24	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER																		A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																																
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																																																																					
LANDLORDS DB B					Supply					SBB - 5L3					Supply polarity confirmed					YES					Continuity					101466954																																																						
Location					Phases					1					Phase sequence confirmed					PASS					Insulation resistance					101466954																																																						
BLOCK B RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance					101466954																																																						
					BS EN					60947 - 2					Rating					63					A					Nominal voltage					230					V					Z _s					0.04					Ω					In					-					ms					RCD					101466954				
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					5.43					kA					5I					-					ms					Earth electrode resistance					-									
CIRCUIT DETAILS															TEST RESULTS																																																																					
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to																																																					
1	DOOR SWIPE				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.51	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-																																																					
2	SPEECH PANEL				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																					
3	TV AMP				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.44	-	500	LIM	LIM	PASS	0.48	-	-	-	-	-																																																					
4	CABIN SUPPLY				A	E	1	10	4	5	60898	B	32	6	-	1.1	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-																																																					
5	DISABLED ALARM				A	E	1	1.5	1.0	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	>299	>299	-	LIM	-	-	-	-	-																																																					
6	COMMS CABINET				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																					
7	OUTSIDE LIGHTS				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-																																																					
8	SOCKETS GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.65	0.67	1.68	0.47	-	500	LIM	>299	PASS	0.51	-	-	-	-	-																																																					
9	LIGHTS GROUND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.88	-	500	LIM	>299	PASS	0.92	-	-	-	-	-																																																					
10	LIGHTS 1ST				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.59	-	500	LIM	>299	PASS	1.63	-	-	-	-	-																																																					
11	LIGHTS 2ND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.44	-	500	LIM	>299	PASS	1.48	-	-	-	-	-																																																					
12	LIGHTS 3RD				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.73	-	500	LIM	>299	PASS	1.77	-	-	-	-	-																																																					
13	LIGHTS 4TH				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.64	-	500	LIM	>299	PASS	1.68	-	-	-	-	-																																																					
14	LIGHTS 5TH				A	E	10	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.83	-	500	LIM	>299	PASS	1.87	-	-	-	-	-																																																					
15	AOV SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																					
16	LIGHTS STAIRS 3RD,4TH,5TH				A	E	11	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.10	-	500	LIM	>299	PASS	3.14	-	-	-	-	-																																																					
17	SOCKETS RING 3RD,4TH,5TH				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.52	0.53	0.87	0.45	-	500	LIM	>299	PASS	0.49	-	-	-	-	-																																																					

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
18	STAIR LIGHTS 1ST,2ND	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.59	-	500	LIM	>299	PASS	2.63	-	-	-	-	-	
19	DOOR SWIPE EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.51	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-	
20	SOCKETS ADMIN STAIRS RING	A	E	3	2.5	1.5	0.4	60898	B	32	10	-	1.1	LIM	LIM	LIM	0.49	-	500	LIM	LIM	PASS	0.53	-	-	-	-	-	
21	LIGHTS GROUND ENTRANCE	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.57	-	500	LIM	>299	PASS	1.61	-	-	-	-	-	
22	SPEECH UNIT EXTENSION	A	E	-	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
23	EM LIGHTS EXTENSION	A	E	3	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	1.39	-	500	LIM	>299	PASS	1.43	-	-	-	-	-	
24	LIGHTS ADMIN STAIRS	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.70	-	500	LIM	>299	PASS	1.74	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cable C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS										
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB RISER A					Supply					SBA - 1TP					Supply polarity confirmed					YES					Continuity		101466954			
Location					Phases		3		Phase sequence confirmed					PASS					Characteristics at board		RCD operating times			Insulation resistance		101466954				
RISER BLOCK A					Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms					Earth fault loop impedance		101466954								
					BS EN		60947 - 2		Rating		250		A							Nominal voltage		400		V		RCD		101466954		
					RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf} 16.42 kA		5I - ms		Earth electrode resistance		-					
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation			Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 4 (supply to DB FLAT 4)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-
1L2	DB FLAT 5 (supply to DB FLAT 5)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-
1L3	DB FLAT 6 (supply to DB FLAT 6)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-
2L1	DB FLAT 7 (supply to DB FLAT 7)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-
2L2	DB FLAT 8 (supply to DB FLAT 8)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-
2L3	DB FLAT 9 (supply to DB FLAT 9)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-
3L1	DB FLAT 10 (supply to DB FLAT 10)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-
3L2	DB FLAT 11 (supply to DB FLAT 11)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
3L3	DB FLAT 12 (supply to DB FLAT 12)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-
4L1	DB FLAT 14 (supply to DB FLAT 14)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.07	-	-	-	-	-
4L2	DB FLAT 15 (supply to DB FLAT 15)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
4L3	DB FLAT 16 (supply to DB FLAT 16)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-

CIRCUIT DETAILS													TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
5L1	DB FLAT 17 (supply to DB FLAT 17)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
5L2	DB FLAT 18 (supply to DB FLAT 18)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other			
Position	ELECTRICAL TEST ENGINEER								

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used											
DB RISER BLOCK F					Supply SBF - 6TP										Supply polarity confirmed YES					Continuity				101466954							
Location					Phases 3Phase sequence confirmedPASS										Characteristics at boardRCD operating times					Insulation resistance				101466954							
RISER BLOCK F					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954							
					BS EN60947 - 2Rating250A					Nominal voltage400V					Z _s 0.07ΩIn- ms					RCD				101466954							
					RCD BS EN- Poles- Rating- mA					I _{pf} 6.88 kA5I- ms					Earth electrode resistance				-												
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 105 (supply to DB FLAT 105)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
1L2	DB FLAT 106 (supply to DB FLAT 106)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
1L3	DB FLAT 107 (supply to DB FLAT 107)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
2L1	DB FLAT 108 (supply to DB FLAT 108)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
2L2	DB FLAT 109 (supply to DB FLAT 109)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.10	-	500	>299	>299	PASS	0.17	-	-	-	-	-
2L3	DB FLAT 110 (supply to DB FLAT 110)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
3L1	DB FLAT 111 (supply to DB FLAT 111)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
3L2	DB FLAT 112 (supply to DB FLAT 112)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
3L3	DB FLAT 113 (supply to DB FLAT 113)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
4L1	DB FLAT 114 (supply to DB FLAT 114)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-
4L2	DB FLAT 115 (supply to DB FLAT 115)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.15	-	500	>299	>299	PASS	0.22	-	-	-	-	-
4L3	DB FLAT 116 (supply to DB FLAT 116)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
5L1	DB FLAT 117 (supply to DB FLAT 117)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-	
5L2	DB FLAT 118 (supply to DB FLAT 118)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-	
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cable I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS										
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB RISER BLOCK B					Supply SBB - 6TP										Supply polarity confirmed YES					Continuity		101466954								
Location					Phases 3Phase sequence confirmed PASS										Characteristics at board			RCD operating times		Insulation resistance		101466954								
RISER BLOCK B					Overcurrent protective device for distribution circuit															Earth fault loop impedance		101466954								
					BS EN		60947 - 2		Rating		250		A							Nominal voltage		400		V		Z _s 0.04 Ω		In - ms		RCD
					RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf} 10.8 kA		5I - ms		Earth electrode resistance		-			
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation			Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 22 (supply to DB FLAT 22)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-
1L2	DB FLAT 23 (supply to DB FLAT 23)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-
1L3	DB FLAT 24 (supply to DB FLAT 24)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-
2L1	DB FLAT 25 (supply to DB FLAT 25)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L2	DB FLAT 26 (supply to DB FLAT 26)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L3	DB FLAT 27 (supply to DB FLAT 27)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-
3L1	DB FLAT 28 (supply to DB FLAT 28)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-
3L2	DB FLAT 29 (supply to DB FLAT 29)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-
3L3	DB FLAT 30 (supply to DB FLAT 30)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-
4L1	DB FLAT 31 (supply to DB FLAT 31)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-
4L2	DB FLAT 32 (supply to DB FLAT 32)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-
4L3	DB FLAT 33 (supply to DB FLAT 33)			G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-

CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
5L1	DB FLAT 34 (supply to DB FLAT 34)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-		
5L2	DB FLAT 35 (supply to DB FLAT 35)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-		
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6L1	DB FLAT 36 (supply to DB FLAT 36)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-		
6L2	DB FLAT 37 (supply to DB FLAT 37)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-		
6L3	DB FLAT 38 (supply to DB FLAT 38)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used											
DB RISER BLOCK C					Supply SBC - 1TP										Supply polarity confirmed YES					Continuity				101466954							
Location					Phases 3Phase sequence confirmed PASS										Characteristics at boardRCD operating times					Insulation resistance				101466954							
RISER BLOCK C					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954							
					BS EN60947 - 2Rating250A Nominal voltage400V					Z _s 0.05ΩIn- ms					RCD				101466954												
					RCD BS EN- Poles- Rating- mA					I _{pf} 8.84 kA5I- ms					Earth electrode resistance				-												
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 46 (supply to DB FLAT 46)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
1L2	DB FLAT 47 (supply to DB FLAT 47)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
1L3	DB FLAT 48 (supply to DB FLAT 48)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L1	DB FLAT 49 (supply to DB FLAT 49)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L2	DB FLAT 50 (supply to DB FLAT 50)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
2L3	DB FLAT 51 (supply to DB FLAT 51)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
3L1	DB FLAT 52 (supply to DB FLAT 52)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.09	-	-	-	-	-
3L2	DB FLAT 53 (supply to DB FLAT 53)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
3L3	DB FLAT 54 (supply to DB FLAT 54)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L1	DB FLAT 55 (supply to DB FLAT 55)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L2	DB FLAT 56 (supply to DB FLAT 56)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L3	DB FLAT 57 (supply to DB FLAT 57)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-

CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r _n)	CPC (r ₂)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
5L1	DB FLAT 58 (supply to DB FLAT 58)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
5L2	DB FLAT 59 (supply to DB FLAT 59)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.10	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6L1	DB FLAT 40 (supply to DB FLAT 40)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
6L2	DB FLAT 41 (supply to DB FLAT 41)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
6L3	DB FLAT 42 (supply to DB FLAT 42)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.10	-	-	-	-	-
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																											

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used											
DB RISER BLOCK D					Supply SBD - 4TP										Supply polarity confirmed YES					Continuity				101466954							
Location					Phases 3Phase sequence confirmed PASS										Characteristics at boardRCD operating times					Insulation resistance				101466954							
RISER BLOCK D					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954							
					BS EN 60947 - 2Rating 250 A Nominal voltage 400 V					Z _s 0.06 Ω In - ms					RCD				101466954												
					RCD BS EN -Poles -Rating - mA					I _{pf} 8.12 kA 5I - ms					Earth electrode resistance				-												
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 63 (supply to DB FLAT 63)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-
1L2	DB FLAT 64 (supply to DB FLAT 64)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
1L3	DB FLAT 65 (supply to DB FLAT 65)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
2L1	DB FLAT 66 (supply to DB FLAT 66)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
2L2	DB FLAT 67 (supply to DB FLAT 67)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-
2L3	DB FLAT 68 (supply to DB FLAT 68)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-
3L1	DB FLAT 69 (supply to DB FLAT 69)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-
3L2	DB FLAT 70 (supply to DB FLAT 70)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-
3L3	DB FLAT 71 (supply to DB FLAT 71)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
4L1	DB FLAT 72 (supply to DB FLAT 72)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
4L2	DB FLAT 73 (supply to DB FLAT 73)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-
4L3	DB FLAT 74 (supply to DB FLAT 74)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-

CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
5L1	DB FLAT 75 (supply to DB FLAT 75)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
5L2	DB FLAT 76 (supply to DB FLAT 76)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6L1	DB FLAT 78 (supply to DB FLAT 78)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.10	-	-	-	-	-	
6L2	DB FLAT 79 (supply to DB FLAT 79)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
6L3	DB FLAT 80 (supply to DB FLAT 80)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.10	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICA mineral insulated cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS								
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used													
ADMIN DB					Supply SBB - 3TP										Supply polarity confirmed YES					Continuity		101466954						
Location					Phases 3Phase sequence confirmed PASS										Characteristics at boardRCD operating times					Insulation resistance		101466954						
ADMIN AREA BLOCK B (DORMAN SMITH)					Overcurrent protective device for distribution circuit										Z _s 0.11 ΩIn - ms					Earth fault loop impedance		101466954						
					BS EN 60947 - 2Rating 63 ANominal voltage 400 V					RCD		BS EN -Poles -Rating - mA		RCD						Earth electrode resistance		-						
CIRCUIT DETAILS													TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	SECURITY ROOM RING	A	E	8	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.34	-	500	LIM	LIM	PASS	0.45	-	-	-	-	-
1L2	LIGHTING RECEPTION	A	E	13	1.5	1.0	0.4	60898	C	10	10	-	1.75	-	-	-	0.70	-	500	LIM	>299	PASS	0.81	-	-	-	-	-
1L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2L1	RECEPTION RING	A	E	4	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.39	-	500	LIM	LIM	PASS	0.50	-	-	-	-	-
2L2	LIGHTING MANAGERS OFFICE	A	E	4	1.5	1.0	0.4	60898	C	10	10	-	1.75	-	-	-	0.67	-	500	LIM	>299	PASS	0.78	-	-	-	-	-
2L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3L1	WATER HEATER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.29	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4L1	DISABLED ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.33	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5L1	EXTERNAL LIGHTING NEAR	G	C	5	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	9.22	8.11	PASS	-	-
5L2	EXTERNAL LIGHTING BIKE SHEDS	G	C	7	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	9.33	8.34	PASS	-	-
5L3	EXTERNAL LIGHTING FAR	G	C	5	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	8.82	8.33	PASS	-	-
6L1	EXTERNAL LIGHTING CONTROL CIRCUIT	G	C	1	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.02	-	500	LIM	>299	PASS	0.13	8.11	8.03	PASS	-	-

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
6L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7L1	COMMS ROOM SUPPLY	A	E	1	10	4	0.4	60898	C	32	10	-	0.54	-	-	-	0.20	-	500	LIM	LIM	PASS	0.31	-	-	-	-	-	
7L2	MANAGERS OFFICE RING	A	E	6	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.34	-	500	LIM	LIM	PASS	0.45	-	-	-	-	-	
7L3	AC UNIT 1	G	C	1	2.5	2.5	0.4	60898	C	20	10	-	0.87	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
8L1	COMMS RING	A	E	10	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.27	-	500	LIM	LIM	PASS	0.38	-	-	-	-	-	
8L2	ADMIN RING	A	E	4	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.38	-	500	LIM	LIM	PASS	0.49	-	-	-	-	-	
8L3	AC UNIT 2	G	C	1	2.5	2.5	0.4	60898	C	20	10	-	0.87	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
9TP	MAIN GATE	G	C	1	2.5	2.5	0.4	60898	C	10	10	-	1.75	-	-	-	0.99	-	500	LIM	LIM	PASS	1.10	-	-	-	-	-	
10L1	CCTV SUPPLY	G	C	1	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
10L2	TURNSTILE GATES	G	C	1	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	PASS	LIM	-	-	-	-	-	
10L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11L1	CCTV SUPPLY	G	C	1	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	PASS	LIM	-	-	-	-	-	
11L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other										
Position	ELECTRICAL TEST ENGINEER																												

G

XLPE/SWA cables

H

MICC mineral insulated cables

I

Other

BOARD CHARACTERISTICS																				TEST INSTRUMENTS												
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used												
DB SWITCHROOM					Supply MAIN LV SWITCHBOARD - 5L1										Supply polarity confirmed YES					Continuity				101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance				101466954								
SWITCHROOM					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954								
					BS EN - Rating - A Nominal voltage 230 V					Z _s 0.02 Ω In - ms					RCD				101466954													
					RCD BS EN - Poles - Rating - mA					I _{pf} 11.5 kA 5I - ms					Earth electrode resistance				-													
CIRCUIT DETAILS													TEST RESULTS																			
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	SOCKETS LAUNDRY RING				A	E	9	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.91	0.92	0.67	0.43	-	500	LIM	>299	PASS	0.45	28.4	15.4	PASS	-	-	
2	SOCKETS BOOSTER RING				A	E	2	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.15	0.15	0.18	0.26	-	500	LIM	>299	PASS	0.28	-	-	-	-	-	
3	CCTV				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
4	NURSE CALL SYSTEM				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.30	-	-	-	-	-	
5	LIGHTS COMMON ROOM				A	E	10	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.90	-	500	LIM	>299	PASS	0.92	-	-	-	-	-	
6	LIGHTS LAUNDRY				A	E	5	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.71	-	500	LIM	>299	PASS	0.73	-	-	-	-	-	
7	LIGHTS SWITCHROOM & BOOSTER				A	E	4	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.66	-	500	LIM	>299	PASS	0.68	-	-	-	-	-	
8	LIGHTS EXTERNAL				A	E	6	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
9	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	EXTERNAL LIGHTS				G	D	4	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	-
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	HOB				A	E	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.50	-	500	LIM	>299	PASS	0.52	33.3	18.5	PASS	-	-	
13	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
18	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																											
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																							
MAIN LV SWITCHBOARD				Supply				Origin						YES				Continuity				101466954																			
Location				Phases				3						Phase sequence confirmed				PASS				Insulation resistance				101466954															
MAIN SWITCH ROOM				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954															
				BS EN				-		Rating		-		A		Nominal voltage		400		V		Z _s		0.01		Ω		In		-		ms		RCD				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		38.8		kA		5I		-		ms		Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																											
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to													
1TP	SBA (supply to SBA)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.01	-	500	LIM	LIM	PASS	0.02	-	-	-	-	-													
2TP	SBB (supply to SBB)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.03	-	500	LIM	LIM	PASS	0.04	-	-	-	-	-													
3TP	SBC (supply to SBC)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.04	-	500	LIM	LIM	PASS	0.05	-	-	-	-	-													
4TP	SBD (supply to SBD)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.05	-	500	LIM	LIM	PASS	0.06	-	-	-	-	-													
5L1	SWITCH ROOM DB (supply to DB SWITCHROOM)	G	E	1	16	16	5	-	LIM	-	-	-	-	-	-	-	0.01	-	500	>299	>299	PASS	0.02	-	-	-	-	-													
5L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
6TP	SBE (supply to SBE)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.06	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-													
7TP	SBF (supply to SBF)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.05	-	500	LIM	LIM	PASS	0.06	-	-	-	-	-													
8TP	LAUNDRY DB (supply to DB LAUNDRY)	G	E	1	35	SWA	5	-	LIM	-	-	-	-	-	-	-	0.09	-	500	LIM	LIM	PASS	0.10	-	-	-	-	-													
9TP	BOOSTER	G	E	1	35	SWA	5	-	LIM	-	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-													
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				
Position	ELECTRICAL TEST ENGINEER																																								

BOARD CHARACTERISTICS																				TEST INSTRUMENTS										
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed YES					Serial or asset numbers of test instruments used										
DB LAUNDRY																														
Location					Phases 3					Phase sequence confirmed PASS					Characteristics at board										RCD operating times					
LAUNDRY					Overcurrent protective device for distribution circuit										Z _s 0.10 Ω In - ms										I _{pf} 4.6 kA 5I - ms					
					BS EN -					Rating - A										Nominal voltage 400 V										
					RCD BS EN -					Poles -										Rating - mA										
																				Continuity 101466954										
																				Insulation resistance 101466954										
																				Earth fault loop impedance 101466954										
																				RCD 101466954										
																				Earth electrode resistance -										
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation		Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1TP	SPARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2L1	SPARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2L2	STACK 1		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
2L3	STACK 2		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
3L1	STACK 3		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
3L2	STACK 4		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
3L3	STACK 5		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
4L1	STACK 6		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
4L2	STACK 7		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
4L3	STACK 8		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.06	-	500	LIM	>299	PASS	0.16	-	-	-	-	-	-
5L1	STACK 9		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
5L2	STACK 10		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
5L3	STACK 11		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
6L1	STACK 12		E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-	-
6L2	STACK DRYER		E	B	1	6	6	0.4	60898	B	32	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-	-
6L3	SPARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7L1	ACCESS GATE		G	D	1	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	-
7L2	LIGHTS LAUNDRY		A	B	3	1	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	-
7L3	SPARE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
8TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9L2	BOTTOM DRYER	A	B	1	4	1.5	0.4	60898	B	32	10	-	1.1	-	-	-	0.09	-	500	LIM	>299	PASS	0.19	-	-	-	-	-	
9L3	RCD SOCKET	A	B	1	2.5	1.5	0.4	60898	B	16	10	30	2.18	-	-	-	0.12	-	500	LIM	>299	PASS	0.22	28.9	8.9	PASS	-	-	
10L1	CARD READER	A	B	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.15	-	500	LIM	>299	PASS	0.25	-	-	-	-	-	
10L2	LAUNDRY FAN	A	B	1	2.5	1.5	0.4	60898	C	10	10	-	1.75	-	-	-	0.11	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
10L3	LAUNDRY SOCKET	A	B	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
11L1	IMMERSOR HEATER 1	E	B	1	2.5	2.5	0.4	60898	C	20	10	-	0.87	-	-	-	0.03	-	500	LIM	>299	PASS	0.13	-	-	-	-	-	
12TP	IMMERSOR HEATER 2	E	B	1	2.5	2.5	0.4	60898	C	20	10	-	0.87	-	-	-	0.03	-	500	LIM	>299	PASS	0.13	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS														TEST INSTRUMENTS																													
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																													
DB SHED				Supply				LANDLORDS DB F - 36						Supply polarity confirmed				YES																									
Location				Phases				1		Phase sequence confirmed						PASS				Continuity				101466954																			
SHED				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954																	
				BS EN				60898		Rating		20		A		Nominal voltage		230		V		Z _s				0.44		Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}				0.52		kA		5I		-		ms		RCD				101466954					
Earth electrode resistance				-																																							

CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	SHED SOCKET	C	B	1	2.5	2.5	0.4	61009	B	20	10	30	1.75	-	-	-	0.17	-	500	>299	>299	PASS	0.61	18.1	8.7	PASS	-	-
2	SHED LIGHTS	C	B	5	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.43	-	500	LIM	>299	PASS	0.87	17.1	8.8	PASS	-	-
3	EXTERNAL LIGHTS 1	B	B	4	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.44	-	500	LIM	>299	PASS	0.88	19.5	12.8	PASS	-	-
4	EXTERNAL LIGHTS 2	B	B	4	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.46	-	500	LIM	>299	PASS	0.90	22.9	11.1	PASS	-	-
5	EXTERNAL LIGHTS 3	B	B	4	1.5	1.5	0.4	61009	B	6	10	30	5.82	-	-	-	0.61	-	500	LIM	>299	PASS	0.95	19.5	8.8	PASS	-	-
6	CONTROL CIRCUIT	B	B	1	1.5	1.5	0.4	61009	B	6	10	30	5.82	-	-	-	0.01	-	500	LIM	>299	PASS	0.45	18.3	9.09	PASS	-	-
7	SHED SOCKET	C	B	1	2.5	2.5	0.4	61009	B	20	10	30	1.75	-	-	-	0.14	-	500	>299	>299	PASS	0.58	20.1	9.5	PASS	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature				CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other		
Position	ELECTRICAL TEST ENGINEER									

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, so far as reasonably practicable, whether 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 to 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 an 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 undertake 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 undertake 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.

SECTION A: DETAILS OF THE CLIENT

Name UNITE INTEGRATED SOLUTIONS PLC Address SOUTH QUAY HOUSE
TEMPLE BACK
BRISTOL
BS1 6FL

SECTION B: REASON FOR PRODUCING THIS REPORT

Safety assessment requested by client

Dates on which the inspection and testing was carried out 05 Aug 2021

SECTION C: DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier UNITE STUDENTS CAMBRIAN POINT Address MAINDY ROAD
CARDIFF
CF244HJ

Description of premises: Domestic ☐ Commercial ☒ Industrial ☐ Other ☐ -

Estimated age of the installation 15 years Evidence of additions/alterations ☒ If yes, estimated age 2 years

Installation records available? (Regulation 651.1) ☐ Date of last inspection -

SECTION D: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the installation covered by this report

100% OF THE INSTALLATION AS AGREED

Agreed limitations including reasons (see Regulation 653.2). Agreed with: CLIENT

- The primary overcurrent device for the installation is unknown.
- NO IR TESTING BETWEEN L-N ON LIGHTING/SENSITIVE CIRCUITS
- NO INSPECTION AND TESTING CARRIED OUT ON ELECTRICAL EQUIPMENT LOCATED AT A HEIGHT GREATER THAN 3M
- NO DE-ENERGISING CRITICAL CIRCUITS WHICH CAN AFFECT OPERATION OF BUSINESS
- Inspection Schedule Item 5.10: Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202).
- Inspection Schedule Item 5.11: Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.202).

Extent of sampling

VARIABLE TO OPERATIONAL REQUIREMENTS.

Operational limitations including the reasons

NO ACCESS TO SUPPLY AUTHORITY CUT OUT FUSES TO DETERMINE RATING.

ACCESSIBLE AREAS ONLY AND AS PER CLIENT SPECIFICATION. LIMITED TESTING ON SERVERS, CCTV & FIRE ALARM CIRCUITS.

UNABLE TO MEASURE EXTERNAL EARTH FAULT LOOP IMPEDANCE (ZE) WITH THE MAIN EARTH DISCONNECTED DUE TO OPERATIONAL REQUIREMENTS.

INSULATION RESISTANCE TESTING BETWEEN L - E ONLY. Reg 643.3.3

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) as amended to 2020.

It should be noted that cables concealed within trunking and conduits, under floor, 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.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Installation meets standards regarding earthing. Wear and tear is evident. There are damaged accessories throughout the installation & several open ring mains.

Switchgear is suitable, however some Rcbo's are not functioning. Type of wiring system is appropriate.

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

An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

SECTION F: RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use above 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 FI).

Observations classified as "Improvement recommended" (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that the installation be further inspected and tested by 05 Aug 2026

Reason for the choice of time interval to the next inspection of the installation.

AS RECOMMENDED IN GUIDANCE NOTE 3 - TABLE 3.2

SECTION G: 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 of inspection and testing in section D of this report.

Inspection and tested by:				Report authorised for issue by:			
Name	STEPHEN PENDER			Name	RICHARD BEACH		
Position	ELECTRICAL TEST ENGINEER	Date	05 Aug 2021	Position	QUALIFIED SUPERVISOR	Date	01 Nov 2021
Signature				Signature			

Details of the contractor

Trading title	Data Facilities (Yorkshire)Ltd	Enrolment/branch	043888 / N/A
Address	Suite 4 The Crown Works Lairgate Beverley East Yorkshire HU17 8ET	Telephone	01482 880632

SECTION H: SCHEDULE

The following items are part of this document and this report is valid only when they are to it:

270	observations.
86	items in the schedule of inspection.
140	schedule(s) of test results for boards with a total of 1863 circuits.

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements		Number and Type of Live Conductors			Nature of Supply Parameters			Supply Protective Device		
TN-S	☒	AC	☒	DC	☐	Nominal voltage U/U	400 / 230.0 V	BS (EN)	LIM	
TN-C-S	☐	1-phase, 2-wire	☐	2-wire	☐	Nominal frequency f *	50.0 Hz	Type	LIM	
TN-C	☐	1-phase, 3-wire	☐	3-wire	☐	Prospective fault current I _{pf} **	38.8 kA	Rated current	-	A
TT	☐	2-phase, 3-wire	☐	Other	N/A	External loop impedance Z _e **	0.01 Ω	Short-circuit capacity	-	kA
IT	☐	3-phase, 3-wire	☐			Maximum demand	-		A	
-		3-phase, 4-wire	☒							
		Confirmation of supply polarity		YES		Number of supplies	1	* By enquiry ** By enquiry or measurement		

Other sources of supply

-

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing		Details of Installation Earth Electrode (where applicable)	
Distributor's facility	☒	Type	-
Installation earth electrode	☐	Location	-
		Resistance to earth	- Ω

Main Protective Conductors

Earth Conductor	Material	Copper	csa	240	mm ²	Continuity verified	PASS	Connection verified	PASS
Main protective bonding conductors (to extraneous-conductive-parts)	Material	Copper	csa	50	mm ²	Continuity verified	PASS	Connection verified	PASS
To water installation pipes	PASS	To gas installation pipes	N/A	To oil installation pipes	N/A	To structural steel	N/A		
To lightning protection	PASS	To other	N/A	Specify	-				

PASS: the item has passed. FAIL: the item has failed. LIM: there are limitations that apply to the item. N-C: the item is not continuous. N/A: the item is not available.

Main Switch / Switch-Fuse / Circuit Breaker / RCD

Location	MAIN SWITCH ROOM		-	If RCD main switch					
BS(EN)	60947-2	Poles	-	Current rating	1600.0	A	Rated residual operating current (I _{Δn})	-	mA
Supply conductors material	Copper		Fuse/device rating or setting	1600	A	Rated time delay	-	ms	
Supply conductors csa	500	mm ²	Voltage rating	400.0	V	Measured operating time	-	ms	

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
1	CABLING NOT SUPPORTED WITHIN FLAT SERVICES CUPBOARDS THROUGHOUT INSTALLATION	General	C3
2	SEVERAL LABELS MISSING FROM SWITCHGEAR THROUGHOUT INSTALLATION	General	C3
3	Inspection Schedule Item 4.1: Adequacy of working space/accessibility to consumer unit/distribution board (132.12: 513.1). is recommended for improvement.	General	C3
4	Inspection Schedule Item 4.2: Security of fixing (134.1.1). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
5	Inspection Schedule Item 4.3: Condition of enclosure(s) in terms of IP rating etc. (416.2). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
6	Inspection Schedule Item 4.8: Manual operation of circuit-breakers and RCDs to prove disconnection (643.10). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
7	Inspection Schedule Item 4.9: Correct identification of circuit details and protective devices (514.8.1; 514.9.1). is recommended for improvement.	General	C3
8	Inspection Schedule Item 4.13: Presence of other required labelling (please specify) (Section 514). is recommended for improvement.	General	C3
9	Inspection Schedule Item 4.18: RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
10	Inspection Schedule Item 4.19: RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1). is in a potentially dangerous condition. Urgent remedial action is required. Rectified 21.10.21	General	-
11	Inspection Schedule Item 5.2: Cables correctly supported throughout their run (521.10.202; 522.8.5). is recommended for improvement. AS PER ITEMS LISTED.	General	C3
12	Inspection Schedule Item 5.4.1: To include the integrity of conduit and trunking systems (metallic and plastic). is recommended for improvement. AS PER ITEMS LISTED.	General	C3
13	Inspection Schedule Item 5.12.1: for all socket-outlets of rating 32 A or less. unless an exception is permitted (411.3.3). is recommended for improvement.	General	C3
14	Inspection Schedule Item 5.12.2: for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3). is recommended for improvement.	General	C3
15	Inspection Schedule Item 5.12.3: for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203). is recommended for improvement.	General	C3
16	Inspection Schedule Item 5.17.4: Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
17	Inspection Schedule Item 5.18: Condition of accessories including socket-outlets, switches and joint boxes (651.2(v)). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
18	Inspection Schedule Item 5.4: Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1). is in a potentially dangerous condition. Urgent remedial action is required. AS PER ITEMS LISTED. Rectified 21.10.21	General	-
19	SCREWS MISSING FROM DB. Rectified 21.10.21	DB FLAT 18	-
20	COOKER UNIT HAS FAULTY NEON. Rectified 21.10.21	DB FLAT 16	-
21	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW. Rectified 21.10.21	DB FLAT 16 - 4	-
22	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS BELOW. Rectified 21.10.21	DB FLAT 16 - 4	-
23	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD. Rectified 21.10.21	DB FLAT 16 - 4	-
24	TRUNKING END CAP MISSING IN ROOM 6	DB FLAT 101	C3
25	CT 6 NEON FAULTY ON D/P SWITCH. Rectified 21.10.21	DB FLAT 101	-
26	CTS 5 & 6 - 2 X NEONS FAULTY ON D/P SWITCHES. Rectified 21.10.21	DB FLAT 99	-
27	TRUNKING END CAPS MISSING IN ROOMS 1/2/3/4/5/6	DB FLAT 99	C3
28	TRUNKING END CAP MISSING IN ROOM 4	DB FLAT 90	C3
29	CT 5- NEON FAULTY ON D/P SWITCH. Rectified 21.10.21	DB FLAT 90	-
30	TRUNKING END CAPS MISSING FROM ROOMS 1/2/4	DB FLAT 84	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
31	DB BLANK MISSING. Rectified 21.10.21	DB FLAT 83	-
32	CTS 5 & 6 - NEONS ON D/P SWITCHES FAULTY. Rectified 21.10.21	DB FLAT 83	-
33	TRUNKING END CAP MISSING IN ROOM 4	DB FLAT 83	C3
34	DB COVER SCREW MISSING	DB FLAT 82	C3
35	CT 5 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 82	-
36	CRACKED TWIN SOCKET IN ROOM 1 Rectified 21.10.21	DB FLAT 82	-
37	TRUNKING END CAPS MISSING IN ROOMS 1/2	DB FLAT 82	C3
38	2 GANG LIGHT SWITCH IN ROOM 4 FAULTY. Rectified 21.10.21	DB FLAT 82	-
39	CT 1 - COOKER D/P SWITCH CRACKED. Rectified 21.10.21	DB FLAT 116	-
40	CT 5 - NEON FAULTY ON D/P SWITCH. Rectified 21.10.21	DB FLAT 116	-
41	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 116 - 2	-
42	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 115	-
43	CTS 5 & 6 - 2 X NEONS FAULTY ON D/P SWITCHES. Rectified 21.10.21	DB FLAT 114	-
44	CT 6 - NUT MISSING FROM IMMERSOR COVER (4mm Nut). Rectified 21.10.21	DB FLAT 114	-
45	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 114 - 3	-
46	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 112	-
47	Ct 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 111	-
48	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 111 - 4	-
49	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 51. Rectified 21.10.21	DB FLAT 111 - 7	-
50	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 51. Rectified 21.10.21	DB FLAT 111 - 7	-
51	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 10A 61009 REQD. Rectified 21.10.21	DB FLAT 111 - 7	-
52	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 110	-
53	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 109 - 4	-
54	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 108	-
55	CT 5 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 105	-
56	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 105 - 3	-
57	DB BLANK MISSING. Rectified 21.10.21	DB FLAT 104	-
58	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 104	-
59	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 104 - 3	-
60	CT 2 - FAULTY TWIN SOCKET IN KITCHEN. Rectified 21.10.21	DB FLAT 103	-
61	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 103	-
62	CT 6 - NEON ON D/P SWITCH FAULTY. Rectified 21.10.21	DB FLAT 102	-
63	CT 7 - TRACE HEATING NOT SUITABLY GLANDED AT JUNCTION BOX. Rectified 21.10.21	DB FLAT 102	-

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
64	CRACKED TWIN SOCKET IN ROOM 1. Rectified 21.10.21	DB FLAT 102	-
65	SOCKET ABOVE BED NOT SECURE IN ROOM 4. Rectified 21.10.21	DB FLAT 102	-
66	SOCKET IN KITCHEN UNDER TV FAULTY. Rectified 21.10.21	DB FLAT 102	-
67	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 102 - 3	-
68	CTS 5 & 6 NEONS ON D/P SWITCHES FAULTY. Rectified 21.10.21	DB FLAT 81	-
69	TRUNKING END CAPS MISSING IN ROOMS 1/2.	DB FLAT 81	C3
70	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 81 - 3	-
71	DB COVER FLAP NOT SECURE	DB FLAT 87	C3
72	TRUNKING END CAPS MISSING IN ROOMS 1/2/3/4/5	DB FLAT 98	C3
73	ROOM-5 FAULTY 2 GANG LIGHT SWITCH. Rectified 21.10.21	DB FLAT 98	-
74	DB BLANK MISSING. Rectified 21.10.21	DB FLAT 89	-
75	CT 6- FAULTY NEON ON D/P SWITCH. Rectified 21.10.21	DB FLAT 88	-
76	ROOM 2 TRUNKING NOT SECURLEY FIXED. Rectified 21.10.21	DB FLAT 88	-
77	FAULTY NEON ON HOB D/P SWITCH. Rectified 21.10.21	DB FLAT 92	-
78	ROOM 5 TRUNKING NOT SECURE. Rectified 21.10.21	DB FLAT 92	-
79	FLAT 1 FAULTY 2 GANG LIGHT SWITCH. Rectified 21.10.21	DB FLAT 86	-
80	FLAT 1 TRUNKING NOT SECURLEY FIXED. Rectified 21.10.21	DB FLAT 86	-
81	FLAT 2 TRUNKING END CAP MISSING	DB FLAT 86	C3
82	EXTERNAL SOCKET NOT SECURED. Rectified 21.10.21	LANDLORDS DB F	-
83	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB F	C3
84	CIRCUIT 1 SOCKET CIRCUIT WITH NO RCD PROTECTION WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS.	LANDLORDS DB F	C3
85	AOV PANEL MISSING ITS FRONT COVER	LANDLORDS DB F	C3
86	ROOM 104 LIGHT FITTING CPC HAS BEEN CUT AWAY. Rectified 21.10.21	LANDLORDS DB F	-
87	LIVE CABLING TAPED UP WITHIN CORRIDOR LIGHT 4TH FLOOR. Rectified 21.10.21	LANDLORDS DB F	-
88	DB NOT OFFERING CORRECT IP PROTECTION BASE OF DB. Rectified 21.10.21	LANDLORDS DB F	-
89	TRUNKING NOT SECURLEY FIXED IN ROOMS 2 & 5. Rectified 21.10.21	DB FLAT 94	-
90	1 X DB COVER SCREW MISSING	DB FLAT 97	C3
91	TRUNKING END CAPS MISSING FROM ROOMS 1/2/3/4/5	DB FLAT 97	C3
92	TRUNKING END CAP MISSING IN ROOMS1/3/4/5	DB FLAT 100	C3
93	CRACKED TWIN SOCKET IN ROOM 3. Rectified 21.10.21	DB FLAT 100	-
94	DB AT TOP LEFT CORNER IS DENTED	DB FLAT 6	C3
95	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 2	-
96	IMMERSION HEATERS X 2 NEONS ARE FAULTY. Rectified 21.10.21	DB FLAT 5	-

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
97	SCREW MISSING FROM DB LID	DB FLAT 9	C3
98	DB MISSING BLANKS. Rectified 21.10.21	DB FLAT 9	-
99	IMMERSION HEATER 1 FCU NOT SECURED TO PLASTER ADEQUATELY. Rectified 21.10.21	DB FLAT 9	-
100	SCREW MISSING FROM DB LID	DB FLAT 8	C3
101	IMMERSION HEATER 2 NEON FAULTY. Rectified 21.10.21	DB FLAT 8	-
102	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 103. Rectified 21.10.21	DB FLAT 8 - 4	-
103	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD. Rectified 21.10.21	DB FLAT 8 - 4	-
104	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 103. Rectified 21.10.21	DB FLAT 8 - 4	-
105	DB BLANK MISSING.	DB FLAT 12	-
106	IMMERSION HEATER 2 NEON FAULTY.	DB FLAT 12	-
107	DB MISSING 1 X BLANK.	DB FLAT 11	-
108	IMMERSION HEATER 2 NEON FAULTY.	DB FLAT 11	-
109	2 X WATER HEATER SPURS HAVE FAULTY NEONS.	DB FLAT 15	-
110	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS PER ITEM 112. Rectified 21.10.21	DB FLAT 15 - 4	-
111	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS PER ITEM 112. Rectified 21.10.21	DB FLAT 15 - 4	-
112	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. B 32A 61009 REQD. Rectified 21.10.21	DB FLAT 15 - 4	-
113	SCREW MISSING FROM DB LID	DB FLAT 17	C3
114	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW. Rectified 21.10.21	DB FLAT 17 - 6	-
115	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 16A 61009 REQD. Rectified 21.10.21	DB FLAT 17 - 6	-
116	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE. Rectified 21.10.21	DB FLAT 17 - 6	-
117	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW. Rectified 21.10.21	DB FLAT 3 - 6	-
118	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 16A 61009 REQD. Rectified 21.10.21	DB FLAT 3 - 6	-
119	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE. Rectified 21.10.21	DB FLAT 3 - 6	-
120	DB LID FLAP IS MISSING.	DB FLAT 1	C3
121	IMMERSION SPURS HAVE FAULTY NEONS. Rectified 21.10.21	DB FLAT 1	-
122	SCREW MISSING FROM DB LID	DB FLAT 33	C3
123	BLANK MISSING FROM DB LID. Rectified 21.10.21	DB FLAT 33	-
124	KITCHEN RING, DIFFERENTIAL BETWEEN LIVE AND NEUTRAL RING READINGS. Rectified 21.10.21	DB FLAT 33	-
125	2 X IMMERSION HEATER NEONS FAULTY. Rectified 21.10.21	DB FLAT 32	-
126	DAMAGED DADO END CAP IN ROOM 3	DB FLAT 32	C3
127	CRACKED TWIN SOCKET IN ROOM 6. Rectified 21.10.21	DB FLAT 117	-
128	CTS 5 & 6 - 2 X NEONS ON D/P SWITCHES FAULTY. Rectified 21.10.21	DB FLAT 117	-

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
129	3 X SPURS WITHIN DB CUPBOARD NOT ADEQUATELY SECURED DUE TO BACK BOX NOT FLUSH WITH WALL. Rectified 21.10.21	DB FLAT 31	-
130	DADO MISSING END CAP IN ROOM 4	DB FLAT 31	C3
131	OVEN DP SWITCH CONNECTED INCORRECTLY. Rectified 21.10.21	DB FLAT 30	-
132	BEDROOM 1 MISSING DADO END CAP	DB FLAT 30	C3
133	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 30 - 2	-
134	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 30 - 2	-
135	CRACKED SOCKET IN ROOM 1. Rectified 21.10.21	DB FLAT 28	-
136	MISSING DADO END CAP IN ROOM 1	DB FLAT 28	C3
137	SPURS ADJACENT TO DB NOT SECURED ADEQUATELY DUE TO PLASTER BOARD.	DB FLAT 25	C3
138	FAULTY SINGLE SOCKET IN ROOM 5. Rectified 21.10.21	DB FLAT 24	-
139	SCREW MISSING DB LID	DB FLAT 22	C3
140	IMMERSION SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 22	-
141	FAULTY 2 GANG SWITCH IN ROOM 4. Rectified 21.10.21	DB FLAT 22	-
142	CRACKED SINGLE SOCKET IN ROOM 4. Rectified 21.10.21	DB FLAT 22	-
143	IMMERSION SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 21	-
144	BEDROOMS 1 + 4 MISSING DADO END CAP	DB FLAT 21	C3
145	IMMERSION HEATERS NEONS NOT OPERATING. Rectified 21.10.21	DB FLAT 59	-
146	BEDROOM 1 SINGLE SOCKET EVIDENCE OF OVER HEATING AT SOCKET NEUTRAL TERMINAL. Rectified 21.10.21	DB FLAT 58	-
147	FAULTY 2GANG SWITCH IN ROOM 4. Rectified 21.10.21	DB FLAT 57	-
148	DADO END CAP MISSING IN ROOM 4	DB FLAT 55	C3
149	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 54 - 3	-
150	DB LID FLAP IS MISSING	DB FLAT 53	C3
151	ROMM 5 MISSING DADO ENC CAP	DB FLAT 52	C3
152	HOB FAST FIX DUAL BACK BOX BROKEN. Rectified 21.10.21	DB FLAT 52	-
153	SCREW MISSING FROM DB LID	DB FLAT 51	C3
154	IMMERSION SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 51	-
155	IMMERSION SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 50	-
156	IMMERSION SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 49	-
157	CRACKED TWIN SOCKET IN KITCHEN. Rectified 21.10.21	DB FLAT 48	-
158	DADO END CAPS MISSING IN ROOMS 4+5	DB FLAT 46	C3
159	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 46	-
160	DADO TRUNKING END CAP MISSING ROOM 5	DB FLAT 45	C3
161	IMMERSION SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 44	-
162	DADO TRUNKING END CAP MISSING ROOM 5	DB FLAT 44	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
163	IMMERSION HEATER SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 43	-
164	DADO NOT SECURE IN ROOM 3. Rectified 21.10.21	DB FLAT 43	-
165	DADO END CAP MISSING IN ROOM 1	DB FLAT 43	C3
166	HOB BACK BOX BROKEN. Rectified 21.10.21	DB FLAT 42	-
167	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 41 - 2	-
168	2 GANG LIGHT SWITCH FAULTY IN BEDROOM 1. Rectified 21.10.21	DB FLAT 40	-
169	DADO END CAP MISSING IN ROOM 6	DB FLAT 40	C3
170	END CAP MISSING FROM DADO IN ROOM 1+3	DB FLAT 39	C3
171	MAIN WATER BOND NOT CONNECTED WITHIN CUPBOARD. Rectified 21.10.21	DB FLAT 39	-
172	IMMERSION HEATER SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 76	-
173	TRACE HEATING JOINT BOX NOT SECURED. Rectified 21.10.21	DB FLAT 76	-
174	IMMERSION HEATER SPURS NEONS NOT OPERATING. Rectified 21.10.21	DB FLAT 75	-
175	END CAP MISSING FROM DADO TRUNKING ROOMS 3+4+6	DB FLAT 75	C3
176	DADO END CAPS MISSING IN ROOMS 1,2,3,4	DB FLAT 74	C3
177	ROOM 1 FAULTY ACCESSORY BACK BOX. Rectified 21.10.21	DB FLAT 74	-
178	ROOM 4 FAULTY TWIN SOCKET. Rectified 21.10.21	DB FLAT 74	-
179	FLAT 3+5 HAS MISSING DADO END CAP	DB FLAT 73	C3
180	IMMERSION SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 72	-
181	ROOM 4 FAULTY SINGLE SOCKET. Rectified 21.10.21	DB FLAT 72	-
182	SCREW MISSING FROM DB LID	DB FLAT 71	C3
183	IMMERSION SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 71	-
184	CRACKED TWIN SOCKET IN ROOM 4. Rectified 21.10.21	DB FLAT 71	-
185	IMMERSION SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 70	-
186	SOCKET IN ROOM 5 IS FAULTY. Rectified 21.10.21	DB FLAT 70	-
187	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 69	-
188	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 68	-
189	DADO END CAP MISSING IN ROOM 4	DB FLAT 68	C3
190	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 67	-
191	IMMERSION HEATER SPUR NEON IS FAULTY	DB FLAT 66	C3
192	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 65	-
193	DB LID MISSING 1 X SCREW	DB FLAT 65	C3
194	END CAP MISSING FROM DADO IN ROOM 2	DB FLAT 65	C3
195	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 64	-
196	DB MISSING BLANKS. Rectified 21.10.21	DB FLAT 64	-
197	ROOM 4 DADO END CAP MISSING	DB FLAT 64	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
198	ROOM 5 MISSING DADO END CAP	DB FLAT 63	C3
199	IMMERSION HEATER SPURS NEONS FAULTY. Rectified 21.10.21	DB FLAT 63	-
200	DB MISSING BLANK. Rectified 21.10.21	DB FLAT 63	-
201	IMMERSION HEATER SPUR NEONS NOT OPERATING. Rectified 21.10.21	DB FLAT 62	-
202	BLANK MISSING FROM DB. Rectified 21.10.21	DB FLAT 62	-
203	IMMERSION SPUR NEONS NOT OPERATING. Rectified 21.10.21	DB FLAT 61	-
204	DB MISSING BLANKS. Rectified 21.10.21	DB FLAT 61	-
205	END CAPS MISSING FROM DADO ROOMS 1,2,3,5	DB FLAT 60	C3
206	ROOM 1 SOCKET SHOWING EVIDENCE OF THERMAL DAMAGE. Rectified 21.10.21	DB FLAT 60	-
207	IMMERSION SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 60	-
208	IMMERSION SPUR NEON IS FAULTY. Rectified 21.10.21	DB FLAT 79	-
209	2 X SCREWS MISSING FROM DB LID. Rectified 21.10.21	DB FLAT 79	-
210	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 79 - 4	-
211	1 X SCREW MISSING FROM DB LID	DB FLAT 78	C3
212	END CAP MISSING FROM DADO IN ROOM 2	DB FLAT 77	C3
213	SCREWS MISSING FROM DB LID. Rectified 21.10.21	DB FLAT 80	-
214	END CAP MISSING FROM DADO IN ROOM 1+3	DB FLAT 80	C3
215	IMMERSION HEATER SPUR NEON FAULTY. Rectified 21.10.21	DB FLAT 19	-
216	SCREW MISSING FROM DB LID	DB FLAT 19	C3
217	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 19 - 3	-
218	IMMERSION HEATER SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 27	-
219	DADO END CAP MISSING IN ROOM 2	DB FLAT 27	C3
220	SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 38	-
221	AWKWARD ACCESS TO DB ENCLOSURE	DB FLAT 37	C3
222	IMMERSION SPUR NEON NOT OPERATING. Rectified 21.10.21	DB FLAT 37	-
223	2 GANG SWITCH BEDROOM 1 FAULTY. Rectified 21.10.21	DB FLAT 36	-
224	COOKER DP SWITCH NEON FAULTY. Rectified 21.10.21	DB FLAT 36	-
225	SCREW MISSING FROM DB LID	DB FLAT 26	C3
226	LIVE BUSBAR FLASH GUARD MISSING FROM WITHIN DB ENCLOSURE	DB FLAT 26	C3
227	DB LID COVER FLAP IS MISSING	DB FLAT 26	C3
228	LIGHT SWITCH IN CORRIDOR DAMAGED.	DB FLAT 34	-
229	IMMERSION HEATER NEON FAULTY.	DB FLAT 34	-
230	BLANK MISSING FROM DB LID.	DB FLAT 7	-
231	IMMERSION HEATER SPUR BACK BOX NOT FITTED CORRECTLY RESULTING IN FACE PLATE HAVING GAP BETWEEN BACK BOX.	DB FLAT 7	-

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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
232	The RCD test button for the circuit has failed to operate under a manual functional test. See Regulation 612.13.1. Recommend replacing the RCD. AS BELOW. Rectified 21.10.21	DB FLAT 7 - 1	-
233	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at 5In. C 32A 61009 REQD. Rectified 21.10.21	DB FLAT 7 - 1	-
234	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. AS ABOVE. Rectified 21.10.21	DB FLAT 7 - 1	-
235	SCREW MISSING DB LID	DB FLAT 14	C3
236	DB LID MISSING SCREW	DB FLAT 4	C3
237	DB MISSING BLANK. Rectified 21.10.21	DB FLAT 4	-
238	NO ACCESS TO IMMERSION/TRACE HEATING SPURS DUE TO PIPEWORK	DB FLAT 10	C3
239	IMMERSION HEATER SPUR NEONS NOT OPERATING. Rectified 21.10.21	DB FLAT 10	-
240	DB MISSING BLANKS. Rectified 21.10.21	DB FLAT 10	-
241	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertain the reason for the high reading. FURTHER INVESTIGATION. Rectified 21.10.21	DB FLAT 10 - 3	-
242	SCREWS MISSING FROM PANEL LEAD	SBA	C3
243	1 X PANEL SCREW MISSING	SBC	C3
244	2 X SCREWS MISSING FROM PANEL LID. Rectified 21.10.21	SBD	-
245	2 X SCREWS MISSING FROM PANEL LID. Rectified 21.10.21	SBE	-
246	SCREW MISSING FROM PANEL LID	SBB	C3
247	DB TOP RIGHT SCREW IS THREADED, LID CANT BE FULLY REMOVED. Rectified 21.10.21	LANDLORDS DB A	-
248	CIRCUIT 1 SUPPLIES SOCKETS WITH NO RCD PROTECTION,POTENTIAL TO SUPPLY OUTDOORS	LANDLORDS DB A	C3
249	CIRCUIT 2 SUPPLIES SOCKETS WITH NO RCD PROTECTION,NO POTENTIAL TO SUPPLY OUTDOORS	LANDLORDS DB A	C3
250	SMOKE VENT PANEL DOOR REMOVED WITHIN LOCKED RISER CUPBOARD	LANDLORDS DB C	C3
251	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB C	C3
252	SOCKET CIRCUITS 1 AND 3 HAVE NO RCD PROTECTION BUT HAVE POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB C	C3
253	SCREWS MISSING FROM DB LID. Rectified 21.10.21	LANDLORDS DB E	-
254	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB E	C3
255	CIRCUITS 1+3 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB E	C3
256	AOV PANEL DOOR MISSING	LANDLORDS DB E	C3
257	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB D	C3
258	CIRCUITS 1+2 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB D	C3
259	WIRING FAULT GROUND FLOOR LIGHTS. Rectified 21.10.21	LANDLORDS DB B	-
260	CIRCUIT 8+20 SUPPLIES SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	LANDLORDS DB B	C3
261	SOCKET CIRCUITS WITH NO RCD PROTECTION	LANDLORDS DB B	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☒ (see below):

#	-	Location	Code
262	CIRCUITS 1L1/2L1/7L2/8L2 SUPPLY SOCKETS WITH POTENTIAL TO SUPPLY ELECTRICAL EQUIPMENT OUTDOORS	ADMIN DB	C3
263	SOCKET CIRCUITS WITH NO RCD PROTECTION	ADMIN DB	C3
264	WATER HEATER DP SWITCH NEON FAULTY. Rectified 21.10.21	ADMIN DB	-
265	SECURITY ROOM/COMMS CONTAINMENT IN POOR CONDITION	ADMIN DB	C3
266	COMMS ROOM CABLING NOT ADEQUATELY SECURED	ADMIN DB	C3
267	NO RCD PROTECTION FOR SOCKETS WITH POTENTIAL TO SUPPLY EQUIPMENT OUTDOORS.	DB SWITCHROOM	C3
268	REDUNDANT CORES WITHIN DB	DB SWITCHROOM	C3
269	2 X TRUNKING END CAPS MISSING IN LAUNDRY (100mm PVC). Rectified 21.10.21	DB LAUNDRY	-
270	CT 10L3 - NO RCD PROTECTION FOR SOCKET WITH POTENTIAL TO SUPPLY EQUIPMENT OUTDOORS	DB LAUNDRY	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. C3: Improvement recommended.

C2: Potentially dangerous - urgent remedial action required. FI: Further investigation required without delay.

INSPECTION SCHEDULE

OUTCOMES	PASS	Acceptable condition	C1 or C2	Unacceptable condition	C3	Improvement recommended	FI	Further investigation	NV	Not verified	LIM	Limitation	N/A	Not applicable
Item	Description and comment (if any)													Outcome
1	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)													-
1.1	Service cable													PASS
1.2	Service head													PASS
1.3	Earthing arrangement													PASS
1.4	Meter tails													PASS
1.5	Metering equipment													PASS
1.6	Isolator (where present)													N/A
2	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)													-
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)													N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													N/A
3	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)													PASS
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)													N/A
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)													PASS
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)													PASS
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)													PASS
3.6	Confirmation of main protective bonding conductor sizes (544.1)													PASS
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)													PASS
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)													PASS
4	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)													-
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)													C3
4.2	Security of fixing (134.1.1)													PASS
4.3	Condition of enclosure(s) in terms of IP rating etc. (416.2)													PASS
4.4	Condition of enclosure(s) in terms of fire rating etc. (421.1.201; 526.5)													PASS
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)													PASS
4.6	Presence of main linked switch (as required by 462.1.201)													PASS
4.7	Operation of main switch (functional check)(643.10)													PASS
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)													PASS
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)													C3
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)													PASS
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)													PASS
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)													N/A
4.13	Presence of other required labelling (please specify) (Section 514)													C3
4.14	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)													PASS
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)													PASS
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)													PASS
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)													PASS
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)													PASS

OUTCOMES	PASS	Acceptable condition	C1 or C2	Unacceptable condition	C3	Improvement recommended	FI	Further investigation	NV	Not verified	LIM	Limitation	N/A	Not applicable
Item	Description and comment (if any)													Outcome
4.19	RCD(s) provided for additional protection / requirements - includes RCBs (411.3.3; 415.1)													PASS
4.20	Confirmation of indication that SPD is functional (651.4)													N/A
4.21	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)													PASS
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)													N/A
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													N/A
5	FINAL CIRCUITS													-
5.1	Identification of conductors (514.3.1)													PASS
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)													C3
5.3	Condition of insulation of live parts (416.1)													PASS
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)													PASS
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)													C3
5.5	Adequacy of cables for current carrying capacity with regard for the type and nature of installation (Section 523)													PASS
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)													PASS
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)													PASS
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)													PASS
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)													PASS
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)													LIM
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.202)													LIM
5.12	<i>Provision of additional requirements for protection by RCD not exceeding 30 mA:</i>													-
5.12.1	for all socket-outlets of rating 32 A or less. unless an exception is permitted (411.3.3)													C3
5.12.2	for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)													C3
5.12.3	for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)													C3
5.12.4	for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)													N/A
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)													PASS
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)													PASS
5.14	Band II cables segregated / separated from Band I cables (528.1)													PASS
5.15	Cables segregated / separated from communications cabling (528.2)													PASS
5.16	Cables segregated / separated from non-electrical services (528.3)													PASS
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)													PASS
5.17.1	Connections soundly made and under no undue strain (526.6)													PASS
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)													PASS
5.17.3	Connections of live conductors adequately enclosed (526.5)													PASS
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)													PASS
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))													PASS
5.19	Suitability of accessories for external influences (512.2)													PASS
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)													PASS
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)													PASS
6	LOCATION(S) CONTAINING A BATH OR SHOWER													-
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)													PASS

OUTCOMES	PASS	Acceptable condition	C1 or C2	Unacceptable condition	C3	Improvement recommended	FI	Further investigation	NV	Not verified	LIM	Limitation	N/A	Not applicable
Item	Description and comment (if any)													Outcome
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)													PASS
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)													PASS
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)													PASS
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)													PASS
6.8	Suitability of current-using equipment for particular position within the location (701.55)													PASS
7	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.)													N/A
Inspected by:														
Name	STEPHEN PENDER					Date	05 Aug 2021			Signature				

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
DB FLAT 18				Supply DB RISER A - 5L2				Supply polarity confirmed YES						Continuity 101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954														
BLOCK A FLAT 18(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954														
				BS EN 88 Rating 80 A Nominal voltage 230 V				Z _s 0.06 Ω In - ms						RCD 101466954														
				RCD BS EN - Poles - Rating - mA				I _{pf} 3.69 kA 5I - ms						Earth electrode resistance -														
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.35	-	500	>299	>299	PASS	0.41	18.7	18.2	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.01	0.56	-	500	LIM	>299	PASS	0.62	11.8	8.59	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.66	0.66	1.16	0.60	-	500	LIM	>299	PASS	0.66	17.3	8.62	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.52	0.59	-	500	LIM	>299	PASS	0.65	18.0	8.40	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.31	18.1	8.59	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.30	17.8	8.59	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.31	18.4	8.59	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.72	18.2	8.41	PASS	-	-
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.78	18.1	8.31	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	EXTERNAL SIGN	A	C	1	1.5	1.0	0.4	61009	B	6	6	30	5.82	-	-	-	0.31	-	500	LIM	>299	PASS	0.37	18.7	17.9	PASS	-	-
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature		A B C PVC/PVC cables PVC cables in metal conduit PVC cables in non-metallic conduit D E F PVC cables in metallic trunking PVC cables in non-metallic trunking PVC/SWA cables G H I XLPE/SWA cables MICC mineral insulated cables Other																
Position		ELECTRICAL TEST ENGINEER																										

BOARD CHARACTERISTICS														TEST INSTRUMENTS																									
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																					
DB FLAT 16				Supply				DB RISER A - 4L3						YES				Continuity				101466954																	
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954													
BLOCK A FLAT 16(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954													
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.04		Ω		In		-		ms		RCD				101466954			
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		5.73		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to											
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.44	-	500	>299	>299	PASS	0.48	18.8	8.45	PASS	-	-											
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.80	0.78	1.34	0.54	-	500	LIM	>299	PASS	0.58	18.1	8.41	PASS	-	-											
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.77	0.78	1.32	0.58	-	500	LIM	>299	PASS	0.62	19.0	8.56	PASS	-	-											
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.00	1.00	1.76	0.68	-	500	LIM	>299	PASS	0.72	>300	>40	FAIL	-	-											
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.27	-	500	>299	>299	PASS	0.31	18.7	8.22	PASS	-	-											
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.34	18.4	8.33	PASS	-	-											
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.30	19.3	8.59	PASS	-	-											
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.83	22.4	8.12	PASS	-	-											
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.83	-	500	LIM	>299	PASS	0.87	23.6	8.45	PASS	-	-											
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																						

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB RISER BLOCK E					Supply SBE - 3TP					Supply polarity confirmed YES					Continuity		101466954														
Location					Phases 3		Phase sequence confirmed PASS					Characteristics at board		RCD operating times			Insulation resistance		101466954												
RISER BLOCK E					Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms					Earth fault loop impedance		101466954									
					BS EN 60947 - 2		Rating 250 A		Nominal voltage 400 V		RCD BS EN -		Poles -							Rating - mA		RCD		101466954							
																	I _{pf} 7.02 kA 5I		Earth electrode resistance		-										
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 88 (supply to DB FLAT 88)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
1L2	DB FLAT 89 (supply to DB FLAT 89)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
1L3	DB FLAT 90 (supply to DB FLAT 90)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-
2L1	DB FLAT 91 (supply to DB FLAT 91)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
2L2	DB FLAT 92 (supply to DB FLAT 92)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
2L3	DB FLAT 93 (supply to DB FLAT 93)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
3L1	DB FLAT 94 (supply to DB FLAT 94)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
3L2	DB FLAT 95 (supply to DB FLAT 95)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
3L3	DB FLAT 96 (supply to DB FLAT 96)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.10	-	500	>299	>299	PASS	0.17	-	-	-	-	-
4L1	DB FLAT 97 (supply to DB FLAT 97)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
4L2	DB FLAT 98 (supply to DB FLAT 98)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
4L3	DB FLAT 99 (supply to DB FLAT 99)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other		
Position	ELECTRICAL TEST ENGINEER							

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 101				Supply				DB RISER BLOCK E - 5L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 101(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.22		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.53	18.6	9.9	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	1.03	0.39	-	500	LIM	>299	PASS	0.58	19.5	8.6	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.73	0.73	1.24	0.42	-	500	LIM	>299	PASS	0.61	22.2	13.7	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.77	0.77	1.27	0.33	-	500	LIM	>299	PASS	0.52	34.1	9.7	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.05	-	500	>299	>299	PASS	0.24	18.5	8.6	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.06	-	500	>299	>299	PASS	0.25	17.7	9.09	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	23.1	8.45	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.80	19.3	12.8	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.21	18.8	8.8	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used	
DB FLAT 90	Supply	DB RISER BLOCK E - 1L3								Supply polarity confirmed					YES		Continuity	101466954		
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954			
BLOCK E FLAT 90(PROTEK)	Overcurrent protective device for distribution circuit																			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.21	Ω	In	-	ms	Earth fault loop impedance			101466954		
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	1.1	kA	5I	-	ms	RCD			101466954			
																		Earth electrode resistance		

TEST RESULTS

[illegible]

Signature

S. Pender

I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 84				Supply DB RISER BLOCK E - 6L3										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK E FLAT 84(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.22 Ω In - ms				Earth fault loop impedance										
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 1.05 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.54	18.8	8.5	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.44	0.44	0.80	0.31	-	500	LIM	>299	PASS	0.53	18.3	8.34	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.71	1.21	0.39	-	500	LIM	>299	PASS	0.61	18.5	8.56	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.94	0.27	-	500	LIM	>299	PASS	0.49	28.6	18.6	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.36	17.7	8.54	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.18	-	500	>299	>299	PASS	0.40	18.9	8.76	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.15	-	500	>299	>299	PASS	0.37	19.5	9.5	PASS	-	-
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.83	-	500	LIM	>299	PASS	1.05	20.3	9.08	PASS	-	-
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.56	-	500	LIM	>299	PASS	0.78	18.6	9.4	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature				A B C D E F G H I														
Position	ELECTRICAL TEST ENGINEER																											

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used									
DB FLAT 83	Supply	DB RISER BLOCK E - 6L2								Supply polarity confirmed					YES										
Location	Phases	1	Phase sequence confirmed								PASS					Characteristics at board					RCD operating times				
BLOCK E FLAT 83(PROTEK)	Overcurrent protective device for distribution circuit																								
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.20	Ω	In	-	ms											
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.15	kA	5I	-	ms											

TEST RESULTS

[illegible]

Signature

S. Pender

A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used																		
DB FLAT 82	Supply	DB RISER BLOCK E - 6L1								Supply polarity confirmed					YES				Continuity	101466954																	
Location	Phases	1	Phase sequence confirmed								PASS					Characteristics at board					RCD operating times				Insulation resistance	101466954											
BLOCK E FLAT 82(PROTEK)	Overcurrent protective device for distribution circuit																													Earth fault loop impedance				101466954			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.20	Ω	In	-	ms						RCD				101466954													
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.17	kA	5I	-	ms						Earth electrode resistance				-													

TEST RESULTS

[illegible]

Signature

S. Pender

A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation DB FLAT 113				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed YES				Serial or asset numbers of test instruments used										
Location BLOCK E FLAT 113(PROTEK)				Supply DB RISER BLOCK F - 3L3				Phases 1 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board RCD operating times				Continuity 101466954								
				BS EN 88 Rating 80 A Nominal voltage 230 V								Z _s 0.19 Ω In - ms				Insulation resistance 101466954												
				RCD BS EN - Poles - Rating - mA								I _{pf} 1.23 kA 5I - ms				Earth fault loop impedance 101466954												
																RCD 101466954												
																Earth electrode resistance -												
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.55	18.8	8.8	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.96	0.42	-	500	LIM	>299	PASS	0.61	8.87	7.7	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.93	0.33	-	500	LIM	>299	PASS	0.52	12.7	8.71	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.38	0.38	0.75	0.35	-	500	LIM	>299	PASS	0.54	18.2	8.56	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	21.8	8.81	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	12.8	9.6	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	19.9	9.9	PASS	-	-
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.34	11.2	7.75	PASS	-	-
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.84	-	500	LIM	>299	PASS	1.03	18.4	8.5	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature				S. Pender CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														
Position	ELECTRICAL TEST ENGINEER																											

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 112				Supply DB RISER BLOCK F - 3L2										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK E FLAT 112(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.19 Ω In - ms				Earth fault loop impedance										
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 1.19 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.52	8.87	8.00	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.97	0.40	-	500	LIM	>299	PASS	0.59	19.3	8.34	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.66	0.34	-	500	LIM	>299	PASS	0.53	18.9	8.88	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.84	0.44	-	500	LIM	>299	PASS	0.63	16.8	8.98	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.34	22.7	9.5	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.33	18.2	9.2	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	17.8	8.54	PASS	-	-
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.06	-	500	LIM	>299	PASS	1.25	18.8	8.37	PASS	-	-
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.78	18.6	8.6	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature				A B C D E F G H I														
Position	ELECTRICAL TEST ENGINEER																											

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																Serial or asset numbers of test instruments used			
DB FLAT 111	Supply	DB RISER BLOCK F - 3L1							Supply polarity confirmed					YES				Continuity	101466954	
Location	Phases	1	Phase sequence confirmed					PASS		Characteristics at board		RCD operating times				Insulation resistance	101466954			
BLOCK E FLAT 111(PROTEK)	Overcurrent protective device for distribution circuit																Earth fault loop impedance		101466954	
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.20	Ω	In	-	ms	RCD	101466954				
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.18	kA	5I _n	-	ms	Earth electrode resistance	-				

TEST RESULTS

[illegible]

S. Pender

CODES FOR TYPES OF WIRING		
A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 110				Supply DB RISER BLOCK F - 2L3				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK E FLAT 110(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.18 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.3 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.51	18.5	9.9	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.54	0.54	0.90	0.36	-	500	LIM	>299	PASS	0.54	19.4	8.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.65	0.34	-	500	LIM	>299	PASS	0.52	28.4	7.7	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.66	0.28	-	500	LIM	>299	PASS	0.46	19.4	9.43	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.31	8.89	8.01	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.28	18.4	8.45	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.30	18.6	8.5	PASS	-	-		
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.04	-	500	LIM	>299	PASS	1.22	28.1	8.1	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.81	-	500	LIM	>299	PASS	0.99	22.7	7.76	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 109				Supply				DB RISER BLOCK F - 2L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 109(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.17		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.34		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.52	18.8	8.8	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.63	1.01	0.32	-	500	LIM	>299	PASS	0.49	19.8	8.76	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	1.14	0.38	-	500	LIM	>299	PASS	0.55	8.78	7.78	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	999	1.21	0.43	-	500	LIM	>299	PASS	0.60	18.1	11.5	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.33	22.8	11.8	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.32	8.89	8.03	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.45	28.6	12.8	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	1.11	-	500	LIM	>299	PASS	1.28	19.0	9.76	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.82	-	500	LIM	>299	PASS	0.99	18.5	8.38	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																		
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used															
DB FLAT 108			Supply			DB RISER BLOCK F - 2L1							YES			Continuity			101466954												
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954						
BLOCK E FLAT 108(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.20 Ω			In			- ms			Earth fault loop impedance			101466954			
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954							
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-				
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.51	28.8	8.8	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.61	0.65	0.29	-	500	LIM	>299	PASS	0.49	18.9	7.77	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.77	0.77	1.30	0.44	-	500	LIM	>299	PASS	0.64	18.2	8.8	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.87	0.87	0.65	0.38	-	500	LIM	>299	PASS	0.58	18.3	9.09	PASS	-	-			
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.16	-	500	>299	>299	PASS	0.36	18.2	8.80	PASS	-	-			
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.34	8.89	8.01	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.31	8.11	7.75	PASS	-	-			
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.07	-	500	LIM	>299	PASS	1.27	8.8	7.01	PASS	-	-			
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.91	12.5	8.8	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																														

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS															
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
DB FLAT 106				Supply DB RISER BLOCK F - 1L2				Supply polarity confirmed YES				Continuity 101466954																	
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																	
BLOCK E FLAT 106(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.20 Ω In - ms				Earth fault loop impedance 101466954																	
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 1.18 kA 5I - ms				RCD 101466954																	
												Earth electrode resistance -																	
CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.50	18.0	8.80	PASS	-	-	
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.95	0.38	-	500	LIM	>299	PASS	0.58	28.7	8.34	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.60	0.71	0.32	-	500	LIM	>299	PASS	0.52	8.89	7.5	PASS	-	-	
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.81	0.43	-	500	LIM	>299	PASS	0.63	18.9	8.98	PASS	-	-	
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.39	21.7	9.09	PASS	-	-	
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.33	18.5	8.87	PASS	-	-	
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.34	34.7	18.6	PASS	-	-	
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.42	18.8	9.5	PASS	-	-	
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.80	18.4	8.35	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 104				Supply SBF - 5L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 104(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.20 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.18 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.48	19.9	9.9	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.96	0.37	-	500	LIM	>299	PASS	0.57	18.5	11.1	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	999	0.42	-	500	LIM	>299	PASS	0.62	18.5	9.5	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.48	0.28	-	500	LIM	>299	PASS	0.48	9.98	8.5	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	29.0	12.1	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	25.5	8.1	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.34	9.56	7.77	PASS	-	-		
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.12	-	500	LIM	>299	PASS	1.32	13.6	8.6	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.99	28.9	12.0	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS																				TEST INSTRUMENTS													
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used													
DB FLAT 102					Supply SBF - 5L3										Supply polarity confirmed YES					Continuity					101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance					101466954								
BLOCK E FLAT 102(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance					101466954								
					BS EN 60947 - 2					Rating 63		A Nominal voltage 230 V			Z _s 0.19 Ω In - ms					RCD					101466954								
					RCD BS EN -					Poles -		Rating - mA			I _{pf} 1.23 kA 5I - ms					Earth electrode resistance					-								
CIRCUIT DETAILS															TEST RESULTS																		
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER				A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.30	-	500	>299	>299	PASS	0.49	27.7	9.7	PASS	-	-		
2	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.01	0.40	-	500	LIM	>299	PASS	0.59	18.1	9.5	PASS	-	-		
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	999	1.24	0.38	-	500	LIM	>299	PASS	0.57	23.3	8.1	PASS	-	-		
4	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.52	0.52	0.48	0.36	-	500	LIM	>299	PASS	0.55	8.89	7.7	PASS	-	-		
5	IMMERSION 1				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.33	12.1	8.12	PASS	-	-		
6	IMMERSION 2				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.36	28.2	8.6	PASS	-	-		
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	18.1	9.09	PASS	-	-		
8	LIGHTS				A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	1.10	29.1	8.8	PASS	-	-		
9	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.58	-	500	LIM	>299	PASS	0.77	14.5	7.77	PASS	-	-		
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER																	A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MCCC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 87				Supply SBE - 2L2										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK E FLAT 87(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.18 Ω In - ms				Earth fault loop impedance										
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.24 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.50	27.8	12.1	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.56	0.89	0.34	-	500	LIM	>299	PASS	0.52	28.8	18.5	PASS	-	-
3	SOCKETS BEDROOMS	A	C	6	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.38	18.6	9.98	PASS	-	-
4	SOCKETS BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.40	18.5	8.52	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.33	29.5	18.6	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.32	28.5	9.09	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.22	-	500	>299	>299	PASS	0.40	18.1	8.8	PASS	-	-
8	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	1.09	23.5	9.8	PASS	-	-
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.78	18.9	7.5	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature			S. Pender CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																	
Position	ELECTRICAL TEST ENGINEER																											

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 98				Supply DB RISER BLOCK E - 4L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 98(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.18 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 1.31 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.40	-	500	>299	>299	PASS	0.58	27.7	19.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.04	0.41	-	500	LIM	>299	PASS	0.59	18.4	8.5	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	0.86	0.39	-	500	LIM	>299	PASS	0.57	19.2	9.3	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.71	0.80	0.31	-	500	LIM	>299	PASS	0.49	28.1	18.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.31	19.9	17.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.29	22.2	7.5	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.15	-	500	>299	>299	PASS	0.33	19.7	6.78	PASS	-	-		
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.93	28.6	8.77	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.77	19.4	8.4	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 89				Supply				DB RISER BLOCK E - 1L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 89(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.19		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.23		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.27	-	500	>299	>299	PASS	0.46	28.4	18.4	PASS	-	-									
2	SOCKETS RING BEDROOM	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.77	0.76	1.27	0.46	-	500	LIM	>299	PASS	0.65	17.7	9.9	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	1.47	0.44	-	500	LIM	>299	PASS	0.63	28.1	18.5	PASS	-	-									
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.84	0.35	-	500	LIM	>299	PASS	0.54	26.1	9.9	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.30	28.8	18.3	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.30	18.5	8.5	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.14	-	500	>299	>299	PASS	0.33	19.4	7.7	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.11	-	500	LIM	>299	PASS	1.30	28.8	8.6	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.83	-	500	LIM	>299	PASS	1.02	27.7	11.4	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 88			Supply			DB RISER BLOCK E - 1L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK E FLAT 88(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.20 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			1.14 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.52	28.7	11.2	PASS	-	-							
2	SOCKETS RING BEDROOM	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.71	1.07	0.40	-	500	LIM	>299	PASS	0.60	28.5	6.8	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.51	0.21	-	500	LIM	>299	PASS	0.41	18.3	9.4	PASS	-	-							
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.68	0.29	-	500	LIM	>299	PASS	0.49	26.5	8.5	PASS	-	-							
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.13	-	500	>299	>299	PASS	0.33	19.5	7.8	PASS	-	-							
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	28.5	18.1	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.32	18.8	8.87	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.99	19.6	8.87	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.06	-	500	LIM	>299	PASS	1.26	18.6	8.58	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																		

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used	
DB FLAT 92	Supply	DB RISER BLOCK E - 2L2								Supply polarity confirmed					YES		Continuity	101466954		
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954			
BLOCK E FLAT 92(PROTEK)	Overcurrent protective device for distribution circuit																			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.18	Ω	In	-	ms	RCD			101466954		
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.27	kA	5I	-	ms	Earth electrode resistance			-		

TEST RESULTS

[illegible]

S. Pender

CODES FOR TYPES OF WIRING		
A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 118				Supply				DB RISER BLOCK F - 5L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK E FLAT 118(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.21		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.1		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.52	18.5	8.7	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.91	0.34	-	500	LIM	>299	PASS	0.55	28.7	8.8	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	1.08	0.38	-	500	LIM	>299	PASS	0.59	18.8	9.9	PASS	-	-									
4	SOCKETS RING KITCHEN	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	1.00	0.27	-	500	LIM	>299	PASS	0.48	18.7	9.6	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.35	18.4	8.45	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.35	19.0	8.34	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.10	-	500	>299	>299	PASS	0.31	18.5	8.45	PASS	-	-									
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.02	-	500	LIM	>299	PASS	1.23	18.1	8.3	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.91	28.7	18.7	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																									
Position	ELECTRICAL TEST ENGINEER																					CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															

TEST INSTRUMENTS

[illegible]

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cable C PVC cables in non-metallic conduit F PVC/SWA cables I Other		
Position	ELECTRICAL TEST ENGINEER							

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 86				Supply SBE - 1L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK E FLAT 86(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.19 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 1.23 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.32	-	500	>299	>299	PASS	0.51	28.6	19.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.62	0.25	-	500	LIM	>299	PASS	0.44	30.2	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.75	0.68	0.26	-	500	LIM	>299	PASS	0.45	18.7	9.6	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.69	0.87	0.32	-	500	LIM	>299	PASS	0.51	18.5	8.4	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.36	17.9	9.2	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.31	19.0	11.5	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.11	-	500	>299	>299	PASS	0.30	28.9	17.8	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.56	-	500	LIM	>299	PASS	0.75	27.3	7.7	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	16	10	30	2.18	-	-	-	0.81	-	500	LIM	>299	PASS	1.00	28.8	18.8	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used			
DB FLAT 91	Supply	DB RISER BLOCK E - 2L1								Supply polarity confirmed					YES	Continuity	101466954		
Location	Phases	1	Phase sequence confirmed								PASS	Characteristics at board		RCD operating times		Insulation resistance	101466954		
BLOCK E FLAT 91(PROTEK)	Overcurrent protective device for distribution circuit																	Earth fault loop impedance	101466954
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.20	Ω	In	-	ms	RCD	101466954			
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.18	kA	5I	-	ms	Earth electrode resistance	-			

TEST RESULTS

[illegible]

S. Pender

CODES FOR TYPES OF WIRING		
A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS																				TEST INSTRUMENTS												
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used												
LANDLORDS DB F					Supply SBF - 4L3										Supply polarity confirmed YES					Continuity				101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance				101466954								
BLOCK F RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954								
					BS EN		60947 - 2		Rating		63		A		Nominal voltage		230		V		Z _s 0.07 Ω		In - ms		RCD				101466954			
					RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf} 3.48 kA		5I - ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																		
Number	Circuit designation		Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COMMUNAL POWER GRD,1ST,2ND RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.71	0.71	2.84	0.55	-	500	LIM	>299	PASS	0.72	-	-	-	-	-			
2	COMMUNAL POWER 3RD,4TH,5TH RING		A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.74	0.75	1.53	0.58	-	500	LIM	>299	PASS	0.65	-	-	-	-	-			
3	AVO PANEL SUPPLY		A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.33	-	-	-	-	-			
4	TV AMP		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.17	-	500	LIM	LIM	PASS	0.24	-	-	-	-	-			
5	OUTSIDE LIGHT		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-			
6	COMMS CABINET SUPPLY		A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.25	-	500	LIM	LIM	PASS	0.32	-	-	-	-	-			
7	DOOR ACCESS		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.34	-	500	LIM	>299	PASS	0.41	-	-	-	-	-			
8	DISABLED ALARM		A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.31	-	500	LIM	>299	PASS	0.38	-	-	-	-	-			
9	LIGHTS EM GROUND FLOOR ENTRANCE		A	E	8	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.37	-	500	LIM	>299	PASS	1.44	-	-	-	-	-			
10	COMMUNAL/EM LIGHTS GROUND FLOOR		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.25	-	500	LIM	>299	PASS	1.32	-	-	-	-	-			
11	LIGHTS STAIRS 3RD/4TH/5TH		A	E	11	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	3.38	-	500	LIM	>299	PASS	3.45	-	-	-	-	-			
12	COMMUNAL/EM LIGHTS 4TH		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.61	-	500	LIM	>299	PASS	1.68	-	-	-	-	-			
13	COMMUNAL/EM LIGHTS 5TH		A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.32	-	500	LIM	>299	PASS	2.39	-	-	-	-	-			
14	COMMUNAL/EM LIGHTS 1ST		A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.24	-	500	LIM	>299	PASS	1.31	-	-	-	-	-			

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
15	COMMUNAL/EM LIGHTS 2ND	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.65	-	500	LIM	>299	PASS	1.72	-	-	-	-	-	
16	COMMUNAL/EM LIGHTS 3RD	A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.51	-	500	LIM	>299	PASS	1.58	-	-	-	-	-	
17	LIGHTS STAIRS GRD/1ST/2ND	A	E	7	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.55	-	500	LIM	>299	PASS	2.62	-	-	-	-	-	
18	SPEECH UNIT GROUND	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.18	-	500	LIM	>299	PASS	0.25	-	-	-	-	-	
19	EXTERNAL RCD SOCKET	A	E	1	6	2.5	0.4	60898	B	32	10	-	1.1	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	8.82	9.29	PASS	-	-	
20	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	SHED SUPPLY (supply to DB SHED)	G	E	1	2.5	2.5	5	60898	B	20	10	-	1.75	-	-	-	0.37	-	500	LIM	>299	PASS	0.44	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 94			Supply			DB RISER BLOCK E - 3L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK E FLAT 94(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.20 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			1.14 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.49	28.8	15.5	PASS	-	-							
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	0.99	0.26	-	500	LIM	>299	PASS	0.46	19.0	12.8	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.43	0.43	0.65	0.29	-	500	LIM	>299	PASS	0.49	22.9	11.8	PASS	-	-							
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.56	0.78	0.27	-	500	LIM	>299	PASS	0.47	28.9	18.5	PASS	-	-							
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.09	-	500	>299	>299	PASS	0.29	18.7	9.09	PASS	-	-							
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.14	-	500	>299	>299	PASS	0.34	28.8	18.3	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.20	-	500	>299	>299	PASS	0.40	19.9	12.8	PASS	-	-							
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.03	-	500	LIM	>299	PASS	1.23	18.6	8.5	PASS	-	-							
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.87	29.0	8.0	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																		
Position	ELECTRICAL TEST ENGINEER																																		

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used			
DB FLAT 95	Supply	DB RISER BLOCK E - 3L2								Supply polarity confirmed					YES		Continuity	101466954				
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board		RCD operating times			Insulation resistance	101466954					
BLOCK E FLAT 95(PROTEK)	Overcurrent protective device for distribution circuit																		Earth fault loop impedance	101466954		
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.18	Ω	In	-	ms	RCD	101466954						
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	1.32	kA	5I	-	ms	Earth electrode resistance	-						

TEST RESULTS

[illegible]

Signature

S. Pender

A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 97				Supply DB RISER BLOCK E - 4L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954																
BLOCK E FLAT 97(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954																
				BS EN 88		Rating 80		A Nominal voltage 230 V		Z _s 0.19 Ω		In - ms		RCD 101466954																
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 1.25 kA		5I - ms		Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.33	-	500	>299	>299	PASS	0.52	28.2	19.1	PASS	-	-		
2	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.96	0.37	-	500	LIM	>299	PASS	0.56	22.3	18.1	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.38	0.38	0.46	0.23	-	500	LIM	>299	PASS	0.42	27.5	9.9	PASS	-	-		
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.80	0.34	-	500	LIM	>299	PASS	0.53	19.8	7.1	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.11	-	500	>299	>299	PASS	0.30	28.3	8.5	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.29	28.1	18.3	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.08	-	500	>299	>299	PASS	0.27	26.7	18.0	PASS	-	-		
8	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.95	-	500	LIM	>299	PASS	1.14	28.8	18.3	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.81	-	500	LIM	>299	PASS	1.00	18.6	8.6	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 2				Supply SBA - 2L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 2(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.04 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 5.63 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.38	-	500	>299	>299	PASS	0.42	8.82	8.41	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.54	0.55	0.49	0.45	-	500	LIM	>299	PASS	0.49	8.55	8.55	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.64	0.64	0.97	0.49	-	500	LIM	>299	PASS	0.53	18.6	18.2	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.65	0.65	0.30	0.47	-	500	LIM	>299	PASS	0.51	18.3	17.1	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.28	8.86	8.44	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.28	9.11	8.34	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.30	17.9	18.4	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.71	18.7	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.62	-	500	LIM	>299	PASS	0.66	8.34	8.11	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																
DB FLAT 5					Supply DB RISER A - 1L2										Supply polarity confirmed YES					Continuity 101466954																
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance 101466954																
BLOCK A FLAT 5(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance 101466954																
					BS EN 88 Rating 80 A Nominal voltage 230 V					Z _s 0.04 Ω In - ms					RCD					101466954																
					RCD BS EN - Poles - Rating - mA					I _{pf} 5.83 kA 5I - ms					Earth electrode resistance -																					
CIRCUIT DETAILS															TEST RESULTS																					
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to					
1	COOKER				A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.39	-	500	>299	>299	PASS	0.43	18.4	18.2	PASS	-	-					
2	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.50	0.50	0.64	0.43	-	500	LIM	>299	PASS	0.47	17.9	8.85	PASS	-	-					
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.70	0.70	0.51	0.43	-	500	LIM	>299	PASS	0.47	18.4	8.62	PASS	-	-					
4	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.67	0.66	0.90	0.48	-	500	LIM	>299	PASS	0.52	8.65	8.55	PASS	-	-					
5	IMMERSION 1				A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.22	-	500	>299	>299	PASS	0.26	8.55	8.55	PASS	-	-					
6	IMMERSION 2				A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.22	-	500	>299	>299	PASS	0.26	17.8	8.11	PASS	-	-					
7	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.28	18.4	8.22	PASS	-	-					
8	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.72	8.89	8.12	PASS	-	-					
9	LIGHTS				A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.74	17.8	18.2	PASS	-	-					
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														
Position	ELECTRICAL TEST ENGINEER																																			

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 9				Supply DB RISER A - 2L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 9(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.04 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 5.75 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.37	-	500	>299	>299	PASS	0.41	8.75	8.56	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.62	0.62	1.04	0.50	-	500	LIM	>299	PASS	0.54	18.3	18.1	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.93	0.93	1.88	0.67	-	500	LIM	>299	PASS	0.71	8.71	8.49	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.78	0.77	1.11	0.48	-	500	LIM	>299	PASS	0.52	8.74	8.11	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.28	18.6	8.22	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.29	8.55	8.55	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.31	18.3	8.55	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.76	17.8	8.56	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.80	18.4	18.3	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 8				Supply DB RISER A - 2L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 8(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.04 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 5.74 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.40	-	500	>299	>299	PASS	0.44	8.56	8.39	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.46	0.46	0.61	0.46	-	500	LIM	>299	PASS	0.50	18.4	8.44	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.85	0.83	0.66	0.41	-	500	LIM	>299	PASS	0.45	8.55	8.39	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.67	0.67	0.90	0.54	-	500	LIM	>299	PASS	0.58	>300	>40	FAIL	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.27	-	500	>299	>299	PASS	0.31	18.2	8.55	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.32	8.46	8.35	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.32	8.55	8.39	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.67	18.4	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.73	8.34	8.22	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 12				Supply				DB RISER A - 3L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK A FLAT 12(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.03		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		8.54		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.39	8.67	8.42	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.70	0.69	1.17	0.62	-	500	LIM	>299	PASS	0.65	8.54	8.11	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.77	0.77	1.21	0.59	-	500	LIM	>299	PASS	0.62	8.45	8.11	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.86	0.86	1.44	0.52	-	500	LIM	>299	PASS	0.55	18.7	8.42	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.28	8.62	8.36	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.27	-	500	>299	>299	PASS	0.30	18.4	8.22	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.29	8.22	8.45	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.56	-	500	LIM	>299	PASS	0.59	8.56	8.42	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.70	8.22	8.39	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 11				Supply DB RISER A - 3L2				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK A FLAT 11(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.06 Ω In - ms				Earth fault loop impedance 101466954																		
				BS EN 88 Rating 80 A Nominal voltage 230 V				I _{pf} 3.92 kA 5I - ms				RCD 101466954																		
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.36	-	500	>299	>299	PASS	0.42	18.4	8.54	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.55	0.55	0.52	0.38	-	500	LIM	>299	PASS	0.44	18.1	8.39	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.68	0.67	0.44	0.35	-	500	LIM	>299	PASS	0.41	8.55	8.55	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.65	0.65	0.46	0.38	-	500	LIM	>299	PASS	0.44	18.6	18.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.16	-	500	>299	>299	PASS	0.22	17.6	8.45	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.05	-	500	>299	>299	PASS	0.21	18.5	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.18	-	500	>299	>299	PASS	0.24	8.55	8.46	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.50	-	500	LIM	>299	PASS	0.56	8.69	8.11	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.74	8.50	8.43	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 15				Supply				DB RISER A - 4L2						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK A FLAT 15(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.06		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		3.91		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.38	-	500	>299	>299	PASS	0.44	8.66	8.45	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.52	0.52	0.16	0.47	-	500	LIM	>299	PASS	0.53	18.6	8.59	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.74	0.74	0.95	0.50	-	500	LIM	>299	PASS	0.56	18.4	8.82	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.64	0.64	0.44	0.38	-	500	LIM	>299	PASS	0.44	>300	>40	FAIL	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	>299	>299	PASS	0.26	8.81	8.34	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	>299	>299	PASS	0.26	18.6	8.11	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.21	-	500	>299	>299	PASS	0.27	8.44	8.44	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.71	8.86	8.32	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.85	8.87	8.59	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 3				Supply SBA - 2L3										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 3(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 8.11 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.36	-	500	>299	>299	PASS	0.39	18.3	8.6	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.63	0.64	1.07	0.52	-	500	LIM	>299	PASS	0.55	8.54	8.36	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.54	0.54	0.94	0.35	-	500	LIM	>299	PASS	0.38	17.2	8.77	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.84	0.84	1.44	0.54	-	500	LIM	>299	PASS	0.57	18.7	18.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.28	8.66	8.55	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.26	-	500	>299	>299	PASS	0.29	>300	>40	FAIL	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.30	8.44	8.42	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.67	19.4	8.55	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.86	-	500	LIM	>299	PASS	0.89	19.1	8.64	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used	
DB FLAT 1	Supply	SBA - 2L1								Supply polarity confirmed					YES	Continuity	101466954
Location	Phases	1	Phase sequence confirmed							PASS	Characteristics at board		RCD operating times		Insulation resistance	101466954	
BLOCK A FLAT 1(PROTEK)	Overcurrent protective device for distribution circuit																
	BS EN	60947 - 2		Rating	63	A	Nominal voltage	230	V	Z _s	0.04	Ω	In	-	ms	Earth fault loop impedance	101466954
	RCD BS EN	-		Poles	-		Rating	-	mA	I _{pf}	5.44	kA	5I	-	ms	RCD	101466954
																Earth electrode resistance	-

CIRCUIT DETAILS

TEST RESULTS

[illegible]

Engineer STEPHEN PENDER

Date 05 Aug 2021

Signature

S. Pender

Position	ELECTRICAL TEST ENGINEER

CODES FOR TYPES OF WIRING

A PVC/PVC cables

B PVC cables in metal conduit

C PVC cables in non-metallic conduit **F** PVC/SWA cables

D PVC cables in metallic trunking **G** XLPE/SWA cables

E PVC cables in non-metallic trunking **H** MICC mineral insulated cables

duct F PVC/SWA cables I Other

BOARD CHARACTERISTICS																				TEST INSTRUMENTS													
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used													
DB FLAT 35					Supply DB RISER BLOCK B - 5L2										Supply polarity confirmed YES					Continuity					101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance					101466954								
BLOCK B FLAT 35(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance					101466954								
					BS EN 88 Rating 80 A Nominal voltage 230 V					Z _s 0.07 Ω In - ms					RCD					101466954													
					RCD BS EN - Poles - Rating - mA					I _{pf} 3.53 kA 5I - ms					Earth electrode resistance					-													
CIRCUIT DETAILS															TEST RESULTS																		
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER				A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.44	8.66	8.22	PASS	-	-		
2	SOCKETS RING KITCHEN				A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.54	0.54	0.88	0.48	-	500	LIM	>299	PASS	0.55	8.64	8.46	PASS	-	-		
3	SOCKETS RING BEDROOMS				A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.68	1.30	0.44	-	500	LIM	>299	PASS	0.51	8.42	8.34	PASS	-	-		
4	SOCKETS RING BEDROOMS				A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.68	0.45	-	500	LIM	>299	PASS	0.52	8.42	8.22	PASS	-	-		
5	TRACE HEATING				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.22	-	500	>299	>299	PASS	0.29	8.43	8.22	PASS	-	-		
6	IMMERSSION				A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.44	8.22	PASS	-	-		
7	IMMERSSION				A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.86	8.82	PASS	-	-		
8	LIGHTS				A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.86	8.33	PASS	-	-		
9	LIGHTS				A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	8.82	8.55	PASS	-	-		
10	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER																	A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 33				Supply				DB RISER BLOCK B - 4L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 33(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.05		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		5.6		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.38	-	500	>299	>299	PASS	0.43	8.67	8.22	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.48	0.64	0.72	0.54	-	500	LIM	>299	PASS	0.59	8.82	8.59	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.03	0.51	-	500	LIM	>299	PASS	0.56	8.59	8.59	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.39	0.39	0.79	0.42	-	500	LIM	>299	PASS	0.47	8.60	8.43	PASS	-	-									
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.32	8.84	8.22	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.31	8.22	8.59	PASS	-	-									
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.31	8.44	8.44	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.62	-	500	LIM	>299	PASS	0.67	9.11	8.32	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.77	8.55	8.55	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 117				Supply				DB RISER BLOCK F - 5L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 117(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.20		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		1.17		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.55	18.8	8.5	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.60	0.98	0.36	-	500	LIM	>299	PASS	0.56	19.1	9.1	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.14	0.42	-	500	LIM	>299	PASS	0.62	22.7	11.5	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	1.52	0.49	-	500	LIM	>299	PASS	0.69	19.4	9.7	PASS	-	-									
5	IMMERSOR 1	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.10	-	500	>299	>299	PASS	0.30	18.8	8.34	PASS	-	-									
6	IMMERSOR 2	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.15	-	500	>299	>299	PASS	0.35	18.3	8.36	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	10	30	3.5	-	-	-	0.12	-	500	>299	>299	PASS	0.32	20.5	8.75	PASS	-	-									
8	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	1.23	-	500	LIM	>299	PASS	1.43	18.3	8.23	PASS	-	-									
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.87	18.7	12.1	PASS	-	-									
10	SIGN SPUR	A	C	1	1.5	1	0.4	61009	B	10	10	30	3.5	-	-	-	0.03	-	500	LIM	>299	PASS	0.23	18.8	8.52	PASS	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS													TEST INSTRUMENTS																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used													
DB FLAT 31			Supply DB RISER BLOCK B - 4L1										YES			Continuity			101466954										
Location			Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 31(PROTEK)			Overcurrent protective device for distribution circuit										Z _s 0.06 Ω In - ms			Earth fault loop impedance			101466954										
			BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 4.04 kA 5I - ms			RCD			101466954										
			RCD BS EN - Poles - Rating - mA													Earth electrode resistance			-										
CIRCUIT DETAILS													TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.41	18.5	18.2	PASS	-	-	
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.14	0.51	-	500	LIM	>299	PASS	0.57	18.4	18.2	PASS	-	-	
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.81	1.38	0.53	-	500	LIM	>299	PASS	0.59	8.55	8.55	PASS	-	-	
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.97	0.96	1.59	0.63	-	500	LIM	>299	PASS	0.69	8.34	8.59	PASS	-	-	
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.37	18.6	18.1	PASS	-	-	
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.39	8.42	8.34	PASS	-	-	
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.39	18.5	18.1	PASS	-	-	
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.75	8.44	8.44	PASS	-	-	
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.70	8.45	8.46	PASS	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 30				Supply DB RISER BLOCK B - 3L3				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK B FLAT 30(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.05 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 4.73 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.47	18.6	18.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	>999	>999	0.72	0.64	-	500	LIM	>299	PASS	0.69	18.3	18.3	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.59	0.51	-	500	LIM	>299	PASS	0.56	18.7	18.1	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.52	0.44	-	500	LIM	>299	PASS	0.49	8.64	8.22	PASS	-	-		
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.34	8.33	8.24	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.32	18.5	18.7	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.07	-	500	>299	>299	PASS	0.32	18.4	18.1	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.74	8.66	8.22	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.79	8.55	8.55	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																		
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
DB FLAT 29			Supply			DB RISER BLOCK B - 3L2							Supply polarity confirmed			YES			Continuity			101466954									
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954						
BLOCK B FLAT 29(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954			
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954							
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-				
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.48	18.2	18.0	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.04	0.46	-	500	LIM	>299	PASS	0.53	8.45	8.32	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.73	1.05	0.48	-	500	LIM	>299	PASS	0.55	8.55	8.55	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.51	0.39	-	500	LIM	>299	PASS	0.46	19.7	18.3	PASS	-	-			
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.30	-	500	>299	>299	PASS	0.37	20.4	18.1	PASS	-	-			
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.68	8.59	PASS	-	-			
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.44	8.34	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.56	8.12	PASS	-	-			
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.81	18.5	18.2	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																														

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
DB FLAT 28				Supply DB RISER BLOCK B - 3L1				Supply polarity confirmed YES						Continuity 101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																
BLOCK B FLAT 28(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.05 Ω In - ms				Earth fault loop impedance 101466954																
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 5.73 kA 5I - ms				RCD 101466954																
												Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.48	18.2	18.6	PASS	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.58	0.92	0.57	-	500	LIM	>299	PASS	0.62	18.8	18.1	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.49	0.35	-	500	LIM	>299	PASS	0.40	17.1	8.44	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.50	0.40	-	500	LIM	>299	PASS	0.45	8.86	8.55	PASS	-	-
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.22	-	500	>299	>299	PASS	0.27	8.59	8.59	PASS	-	-
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.24	18.4	18.4	PASS	-	-
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.24	18.3	18.3	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.77	18.4	18.1	PASS	-	-
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.80	18.6	8.77	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature			A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																	
Position	ELECTRICAL TEST ENGINEER																											

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 24			Supply			DB RISER BLOCK B - 1L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 24(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.06 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			4.02 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.42	18.2	18.3	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.61	0.95	0.38	-	500	LIM	>299	PASS	0.44	8.59	8.59	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.53	0.32	-	500	LIM	>299	PASS	0.38	8.11	8.11	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.58	0.52	-	500	LIM	>299	PASS	0.58	8.44	8.44	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.32	18.6	18.1	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.31	18.5	18.4	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.31	8.59	8.59	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.75	18.1	18.4	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.78	8.66	8.55	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 23			Supply			DB RISER BLOCK B - 1L2							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK B FLAT 23(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.2	18.1	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.01	0.41	-	500	LIM	>299	PASS	0.48	8.55	8.55	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.69	0.36	-	500	LIM	>299	PASS	0.43	8.59	8.55	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.66	0.56	0.35	-	500	LIM	>299	PASS	0.42	17.4	8.33	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.35	18.6	8.22	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.35	8.45	8.12	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.38	8.55	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.83	8.33	8.21	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.82	17.4	8.59	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 21				Supply SBB - 5L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK B FLAT 21(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.06 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.82 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.40	18.2	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.91	0.43	-	500	LIM	>299	PASS	0.49	8.72	8.11	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.49	0.35	-	500	LIM	>299	PASS	0.41	18.4	18.2	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.42	0.42	0.53	0.37	-	500	LIM	>299	PASS	0.43	19.0	18.3	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.32	8.76	8.56	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.32	8.45	8.45	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.34	17.8	8.82	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.84	18.9	18.1	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.80	18.3	18.3	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used																			
DB FLAT 58			Supply			DB RISER BLOCK C - 5L1							YES			Continuity			101466954																
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 58(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.5 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.45	8.45	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.03	0.53	-	500	LIM	>299	PASS	0.62	8.83	8.55	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.66	0.40	-	500	LIM	>299	PASS	0.49	8.82	8.45	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	1.13	0.52	-	500	LIM	>299	PASS	0.61	8.22	8.11	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	8.64	8.50	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.33	8.59	8.59	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.55	8.43	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.87	8.63	8.22	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.83	9.11	8.45	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature																									
Position	ELECTRICAL TEST ENGINEER				CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																														

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 57			Supply			DB RISER BLOCK C - 4L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 57(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.5 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.50	18.2	8.45	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.74	1.22	0.55	-	500	LIM	>299	PASS	0.64	8.60	8.45	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.90	0.91	1.51	0.61	-	500	LIM	>299	PASS	0.70	8.55	8.55	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.81	1.45	0.56	-	500	LIM	>299	PASS	0.65	9.22	8.45	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	17.4	8.35	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.24	-	500	>299	>299	PASS	0.33	8.62	8.50	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.37	8.77	8.33	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.87	8.11	8.45	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.07	-	500	LIM	>299	PASS	0.88	9.22	8.59	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 54				Supply				DB RISER BLOCK C - 3L3						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK B FLAT 54(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.08		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.96		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	8.77	8.10	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.75	0.44	-	500	LIM	>299	PASS	0.52	8.62	8.42	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	>999	0.87	0.97	0.50	-	500	LIM	>299	PASS	0.58	8.88	8.55	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.82	0.34	0.37	-	500	LIM	>299	PASS	0.45	8.77	8.33	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	18.2	18.2	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.34	8.68	8.42	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.34	17.4	18.1	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.79	18.2	18.3	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.84	18.4	18.2	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 53				Supply DB RISER BLOCK C - 3L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK B FLAT 53(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.08 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 2.92 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	18.4	8.66	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.57	0.58	1.13	0.48	-	500	LIM	>299	PASS	0.56	8.77	8.34	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	0.45	0.35	-	500	LIM	>299	PASS	0.43	8.54	8.44	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.35	0.41	-	500	LIM	>299	PASS	0.49	18.4	18.2	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.35	-	500	>299	>299	PASS	0.43	18.8	18.2	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.39	18.7	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.33	-	500	>299	>299	PASS	0.41	8.44	8.44	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.71	8.66	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.71	18.4	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 52			Supply			DB RISER BLOCK C - 3L1							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK B FLAT 52(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.39	-	500	>299	>299	PASS	0.48	18.4	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.54	0.54	0.50	0.35	-	500	LIM	>299	PASS	0.44	18.6	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.51	0.33	-	500	LIM	>299	PASS	0.42	18.4	18.4	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.45	0.34	-	500	LIM	>299	PASS	0.43	18.2	8.56	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.34	-	500	>299	>299	PASS	0.43	18.2	18.2	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.42	8.56	8.56	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.40	8.45	8.45	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.80	18.2	18.2	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.69	18.3	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature																				
Position	ELECTRICAL TEST ENGINEER				CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																									

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 51			Supply			DB RISER BLOCK C - 2L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK C FLAT 51(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.53 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.87	8.49	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.61	1.01	0.48	-	500	LIM	>299	PASS	0.57	8.45	8.45	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.83	0.83	1.11	0.50	-	500	LIM	>299	PASS	0.59	18.2	18.1	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.79	0.80	0.84	0.46	-	500	LIM	>299	PASS	0.55	8.59	8.34	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.34	-	500	>299	>299	PASS	0.43	8.43	8.43	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.34	-	500	>299	>299	PASS	0.43	18.1	8.72	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.40	8.88	8.56	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.88	18.3	8.22	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.81	-	500	LIM	>299	PASS	0.90	8.55	8.55	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																	
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 50				Supply				DB RISER BLOCK C - 2L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK C FLAT 50(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.08		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.72		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.51	-	500	>299	>299	PASS	0.59	8.86	8.22	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.61	1.01	0.53	-	500	LIM	>299	PASS	0.61	18.4	18.2	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.59	0.81	0.39	-	500	LIM	>299	PASS	0.47	8.45	8.45	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.83	0.49	-	500	LIM	>299	PASS	0.57	8.22	8.45	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.19	-	500	>299	>299	PASS	0.27	18.8	18.2	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.21	-	500	>299	>299	PASS	0.29	8.44	8.33	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.22	-	500	>299	>299	PASS	0.30	18.2	18.2	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.82	8.83	PASS	-	-									
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.88	8.22	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 49				Supply				DB RISER BLOCK C - 2L1						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK C FLAT 49(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.07		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		3.54		kA		5I		-		ms		Earth electrode resistance				-			
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.51	18.8	18.0	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.61	0.41	0.38	-	500	LIM	>299	PASS	0.45	18.4	18.3	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.37	0.37	0.56	0.37	-	500	LIM	>299	PASS	0.44	18.3	18.3	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.62	0.85	0.46	-	500	LIM	>299	PASS	0.53	18.2	8.59	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.8	18.1	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.3	18.3	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.36	8.22	8.12	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	18.4	18.2	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.77	18.3	18.3	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used	
DB FLAT 48	Supply	DB RISER BLOCK C - 1L3								Supply polarity confirmed					YES		Continuity	101466954		
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954			
BLOCK C FLAT 48(PROTEK)	Overcurrent protective device for distribution circuit																			
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.07	Ω	In	-	ms	Earth fault loop impedance			101466954		
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	3.22	kA	5I	-	ms	RCD			101466954			
																		Earth electrode resistance		

TEST RESULTS

[illegible]

Signature

S. Pender

C PVC cables in non-metallic conduit **F** PVC/SWA cables

I Other

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 46				Supply DB RISER BLOCK C - 1L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK C FLAT 46(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 2.56 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.45	8.62	8.11	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.55	0.55	0.72	0.37	-	500	LIM	>299	PASS	0.46	18.6	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.36	0.36	0.48	0.34	-	500	LIM	>299	PASS	0.43	8.45	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.62	0.39	-	500	LIM	>299	PASS	0.48	8.88	8.61	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.35	-	500	>299	>299	PASS	0.44	8.45	8.45	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.33	-	500	>299	>299	PASS	0.42	8.35	8.35	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.35	-	500	>299	>299	PASS	0.44	8.42	8.42	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	18.6	8.85	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.59	8.43	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 44				Supply SBC - 2L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK C FLAT 44(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 2.44 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.31	-	500	>299	>299	PASS	0.40	18.3	8.89	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.56	0.56	0.97	0.47	-	500	LIM	>299	PASS	0.56	8.81	8.45	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.84	0.45	-	500	LIM	>299	PASS	0.54	8.82	8.59	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.63	0.72	0.43	-	500	LIM	>299	PASS	0.52	18.6	18.0	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.39	-	500	>299	>299	PASS	0.48	8.45	8.45	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.38	-	500	>299	>299	PASS	0.47	8.45	8.22	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.36	-	500	>299	>299	PASS	0.45	18.5	18.2	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	18.3	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.78	8.86	8.45	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 43				Supply SBC - 2L1				Supply polarity confirmed YES						Continuity		101466954														
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance		101466954																
BLOCK C FLAT 43(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance		101466954														
				BS EN 60947 - 2		Rating 63		A Nominal voltage 230 V		Z _s 0.08 Ω		In - ms		RCD		101466954														
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 3.02 kA		5I - ms		Earth electrode resistance		-														
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.44	8.86	8.50	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.60	0.60	0.88	0.43	-	500	LIM	>299	PASS	0.51	8.84	8.36	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.38	0.38	0.52	0.37	-	500	LIM	>299	PASS	0.45	8.45	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	1.02	0.44	-	500	LIM	>299	PASS	0.52	8.84	8.33	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.34	-	500	>299	>299	PASS	0.42	18.2	8.60	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.34	-	500	>299	>299	PASS	0.42	8.45	8.45	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.31	-	500	>299	>299	PASS	0.39	8.82	8.50	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.88	18.3	8.44	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.85	8.56	8.34	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 42				Supply DB RISER BLOCK C - 6L3				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK C FLAT 42(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.10 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 2.36 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.51	18.4	8.62	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.53	0.53	0.90	0.43	-	500	LIM	>299	PASS	0.53	8.55	8.31	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.78	0.78	1.47	0.47	-	500	LIM	>299	PASS	0.57	8.82	8.82	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.71	1.30	0.49	-	500	LIM	>299	PASS	0.59	8.44	8.32	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.35	18.5	18.3	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.35	8.44	8.32	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.38	8.55	8.55	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.77	8.68	8.22	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.75	8.44	8.22	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 41				Supply				DB RISER BLOCK C - 6L2						YES				Continuity				101466954															
Location				Phases				1		Phase sequence confirmed						PASS				Insulation resistance				101466954													
BLOCK C FLAT 41(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.09		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		2.62		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.40	-	500	>299	>299	PASS	0.49	18.6	18.5	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	>999	0.57	-	500	LIM	>299	PASS	0.66	8.85	8.49	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.72	1.13	0.51	-	500	LIM	>299	PASS	0.60	8.83	8.11	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	0.52	0.48	-	500	LIM	>299	PASS	0.57	18.4	18.6	PASS	-	-									
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.56	8.45	PASS	-	-									
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.24	8.11	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.34	18.4	18.3	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.86	8.84	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.72	8.44	8.33	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																				

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used		
DB FLAT 40	Supply	DB RISER BLOCK C - 6L1								Supply polarity confirmed					YES		Continuity	101466954			
Location	Phases	1	Phase sequence confirmed						PASS		Characteristics at board			RCD operating times		Insulation resistance	101466954				
BLOCK C FLAT 40(PROTEK)	Overcurrent protective device for distribution circuit																		Earth fault loop impedance		101466954
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.09	Ω	In	-	ms	RCD	101466954					
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	2.64	kA	5I	-	ms	Earth electrode resistance	-						

TEST RESULTS

[illegible]

S. Pender

CODES FOR TYPES OF WIRING		
A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN																		Serial or asset numbers of test instruments used		
DB FLAT 76	Supply	DB RISER BLOCK D - 5L2								Supply polarity confirmed					YES		Continuity	101466954			
Location	Phases	1	Phase sequence confirmed								PASS					Characteristics at board		RCD operating times		Insulation resistance	101466954
BLOCK D FLAT 76(PROTEK)	Overcurrent protective device for distribution circuit																				
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.09	Ω	In	-	ms	Earth fault loop impedance		101466954				
	RCD BS EN	-	Poles	-	Rating	-	mA	I _{pf}	2.83	kA	5I	-	ms	RCD		101466954					
																			Earth electrode resistance		-

TEST RESULTS

[illegible]

Signature

S. Pender

A PVC/PVC cables	D PVC cables in metallic trunking	G XLPE/SWA cables
B PVC cables in metal conduit	E PVC cables in non-metallic trunking	H MICC mineral insulated cables
C PVC cables in non-metallic conduit	F PVC/SWA cables	I Other

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 75			Supply			DB RISER BLOCK D - 5L1							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK D FLAT 75(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.86	8.33	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.07	0.49	-	500	LIM	>299	PASS	0.57	8.44	8.81	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.75	1.27	0.45	-	500	LIM	>299	PASS	0.54	18.4	8.62	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.79	0.80	1.37	0.52	-	500	LIM	>299	PASS	0.61	8.36	8.22	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.39	-	500	>299	>299	PASS	0.48	8.77	8.32	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.36	-	500	>299	>299	PASS	0.45	18.8	18.3	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.36	-	500	>299	>299	PASS	0.45	8.48	8.32	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.69	8.76	8.35	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.78	18.3	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 73				Supply DB RISER BLOCK D - 4L2				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK D FLAT 73(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 2.5 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.48	-	500	>299	>299	PASS	0.57	8.43	8.11	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.69	0.62	0.42	-	500	LIM	>299	PASS	0.51	18.4	18.4	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.75	0.76	0.94	0.37	-	500	LIM	>299	PASS	0.46	8.56	8.59	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.82	0.81	0.43	0.41	-	500	LIM	>299	PASS	0.50	8.45	8.45	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.85	8.36	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.40	8.81	8.34	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.09	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.81	17.1	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	8.87	8.59	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 72				Supply DB RISER BLOCK D - 4L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times						Insulation resistance 101466954																
BLOCK D FLAT 72(PROTEK)				Overcurrent protective device for distribution circuit										Earth fault loop impedance 101466954																
				BS EN 88		Rating 80		A Nominal voltage 230 V		Z _s 0.09 Ω		In - ms		RCD 101466954																
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 2.63 kA		5I - ms		Earth electrode resistance -																
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.50	-	500	>299	>299	PASS	0.59	18.4	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.68	1.14	0.46	-	500	LIM	>299	PASS	0.55	8.55	8.56	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.00	0.98	2.46	0.55	-	500	LIM	>299	PASS	0.64	9.11	8.56	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.97	0.97	1.66	0.60	-	500	LIM	>299	PASS	0.69	18.3	18.3	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.55	8.44	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.45	8.22	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.35	18.4	18.4	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.84	18.3	18.2	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.80	8.82	8.81	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 71			Supply			DB RISER BLOCK D - 3L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 71(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.56 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	8.52	8.48	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.62	0.41	-	500	LIM	>299	PASS	0.50	8.88	8.55	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.71	0.39	-	500	LIM	>299	PASS	0.48	18.4	8.45	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	15	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.40	0.40	0.62	0.38	-	500	LIM	>299	PASS	0.47	18.3	8.62	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.76	8.59	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.35	8.33	8.33	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.34	17.1	8.59	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.89	8.82	8.44	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.56	8.44	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS													TEST INSTRUMENTS																	
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 70			Supply			DB RISER BLOCK D - 3L2							Supply polarity confirmed			YES			Continuity			101466954								
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954					
BLOCK D FLAT 70(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954		
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954						
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			-			
CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.44	-	500	>299	>299	PASS	0.52	8.64	8.33	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.81	0.80	1.33	0.47	-	500	LIM	>299	PASS	0.55	18.3	18.2	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.80	1.19	0.58	-	500	LIM	>299	PASS	0.66	8.52	8.45	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.71	0.94	0.47	-	500	LIM	>299	PASS	0.55	8.68	8.22	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.35	18.6	18.3	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.81	8.60	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.30	-	500	>299	>299	PASS	0.38	18.5	18.2	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.73	-	500	LIM	>299	PASS	0.81	8.44	8.33	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.79	8.80	8.55	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 69				Supply DB RISER BLOCK D - 3L1				Supply polarity confirmed YES						Continuity 101466954																
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK D FLAT 69(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.07 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 3.14 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.48	18.4	18.2	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.69	1.17	0.47	-	500	LIM	>299	PASS	0.54	8.66	8.44	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.02	1.03	0.88	0.58	-	500	LIM	>299	PASS	0.65	8.83	8.55	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.87	0.87	1.13	0.57	-	500	LIM	>299	PASS	0.64	8.44	8.43	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.85	8.22	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.54	8.44	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.35	8.82	8.22	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.56	8.22	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.73	8.82	8.60	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 68			Supply			DB RISER BLOCK D - 2L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 68(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.84 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.43	-	500	>299	>299	PASS	0.51	8.56	8.22	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.57	0.94	0.46	-	500	LIM	>299	PASS	0.54	8.45	8.45	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.84	0.83	0.91	0.45	-	500	LIM	>299	PASS	0.53	8.82	8.45	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.53	0.53	0.40	0.31	-	500	LIM	>299	PASS	0.39	8.66	8.59	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	18.4	18.1	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.44	8.44	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.82	8.33	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.80	8.45	8.45	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.56	8.51	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																	
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 66			Supply			DB RISER BLOCK D - 2L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 66(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.51 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.47	-	500	>299	>299	PASS	0.56	18.7	18.3	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.04	0.50	-	500	LIM	>299	PASS	0.59	18.5	18.2	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.63	0.63	0.84	0.46	-	500	LIM	>299	PASS	0.55	18.8	18.2	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	1.27	1.26	1.05	0.51	-	500	LIM	>299	PASS	0.60	18.4	18.4	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.3	18.2	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.6	18.3	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.36	19.4	18.2	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.80	8.66	8.34	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.83	18.5	18.3	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																	
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 64			Supply			DB RISER BLOCK D - 1L2							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 64(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.64 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.38	-	500	>299	>299	PASS	0.47	18.4	18.2	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.94	0.48	-	500	LIM	>299	PASS	0.57	8.65	8.42	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.71	1.13	0.49	-	500	LIM	>299	PASS	0.58	8.44	8.32	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.68	0.69	0.84	0.53	-	500	LIM	>299	PASS	0.62	18.2	18.1	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.22	8.21	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.44	8.32	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.37	18.4	18.2	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.84	18.5	18.3	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.86	18.3	18.3	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS													TEST INSTRUMENTS																												
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used																									
DB FLAT 63			Supply			DB RISER BLOCK D - 1L1							YES			Continuity			101466954																						
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954																
BLOCK D FLAT 63(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			101466954													
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954																	
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			2.86 kA			5I			-			ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																												
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to													
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.53	-	500	>299	>299	PASS	0.51	18.4	18.2	PASS	-	-													
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.94	0.93	1.00	0.51	-	500	LIM	>299	PASS	0.59	18.1	8.45	PASS	-	-													
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.80	0.81	0.97	0.47	-	500	LIM	>299	PASS	0.55	8.59	8.59	PASS	-	-													
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.67	0.67	0.95	0.48	-	500	LIM	>299	PASS	0.56	8.35	8.22	PASS	-	-													
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.37	18.3	18.2	PASS	-	-													
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.37	8.45	8.45	PASS	-	-													
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.36	8.86	8.22	PASS	-	-													
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.78	18.3	18.2	PASS	-	-													
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	8.44	8.22	PASS	-	-													
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
Engineer	STEPHEN PENDER				Date	05 Aug 2021				Signature								CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																							
Position	ELECTRICAL TEST ENGINEER																																								

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 62				Supply SBD - 1L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK D FLAT 62(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.09 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 2.5 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.44	18.3	18.3	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.92	0.50	-	500	LIM	>299	PASS	0.59	8.66	8.45	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.70	1.01	0.48	-	500	LIM	>299	PASS	0.57	8.79	8.22	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.46	0.46	0.52	0.30	-	500	LIM	>299	PASS	0.39	8.88	8.22	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	8.45	8.45	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.36	18.3	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.38	8.45	8.45	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.66	-	500	LIM	>299	PASS	0.75	8.51	8.51	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.79	8.88	8.45	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB FLAT 61				Supply				SBD - 1L1						Supply polarity confirmed				YES													
Location				Phases				1						Phase sequence confirmed				PASS													
BLOCK D FLAT 61(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times													
				BS EN		60947 - 2		Rating		63		A		Nominal voltage		230		V		Z _s		0.07		Ω		In		-		ms	
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		3.12		kA		5I		-		ms			
				Insulation resistance				101466954				Earth fault loop impedance				101466954				RCD				101466954				Earth electrode resistance			
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.41	-	500	>299	>299	PASS	0.48	18.4	18.2	PASS	-	-			
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.92	0.39	-	500	LIM	>299	PASS	0.46	8.59	8.33	PASS	-	-			
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.70	1.01	0.52	-	500	LIM	>299	PASS	0.59	8.59	8.33	PASS	-	-			
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.46	0.46	0.52	0.53	-	500	LIM	>299	PASS	0.60	8.62	8.45	PASS	-	-			
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.38	8.45	8.20	PASS	-	-			
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.31	-	500	>299	>299	PASS	0.38	8.36	8.11	PASS	-	-			
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.29	-	500	>299	>299	PASS	0.36	8.45	8.45	PASS	-	-			
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.73	-	500	LIM	>299	PASS	0.80	8.81	8.55	PASS	-	-			
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.71	-	500	LIM	>299	PASS	0.78	18.6	18.6	PASS	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature																			
Position	ELECTRICAL TEST ENGINEER							CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other																							

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 60			Supply			SBD - 1L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 60(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.09 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			60947 - 2			Rating			63 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.52 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.42	-	500	>299	>299	PASS	0.51	18.3	8.50	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.25	0.50	-	500	LIM	>299	PASS	0.59	18.2	9.46	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.83	0.82	1.42	0.52	-	500	LIM	>299	PASS	0.61	8.55	8.40	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.56	0.31	-	500	LIM	>299	PASS	0.40	8.64	8.40	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	8.51	0.50	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.34	18.2	8.33	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.37	8.50	8.40	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.74	8.77	8.33	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.78	8.86	8.50	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

TEST INSTRUMENTS

Designation	APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used			
DB FLAT 78	Supply	DB RISER BLOCK D - 6L1								Supply polarity confirmed					YES	Continuity	101466954		
Location	Phases	1	Phase sequence confirmed							PASS	Characteristics at board		RCD operating times			Insulation resistance	101466954		
BLOCK D FLAT 78(PROTEK)	Overcurrent protective device for distribution circuit																	Earth fault loop impedance	101466954
	BS EN	88	Rating	80	A	Nominal voltage	230	V	Z _s	0.10	Ω	In	-	ms	RCD	101466954			
	RCD BS EN	-	Poles	-		Rating	-	mA	I _{pf}	2.36	kA	5I	-	ms	Earth electrode resistance	-			

TEST RESULTS

[illegible]

Signature

S. Pender

I Other

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 77				Supply SBD - 2L2										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK D FLAT 77(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.23 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.57	-	500	>299	>299	PASS	0.64	18.4	18.1	PASS	-	-		
2	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.90	0.90	0.69	0.43	-	500	LIM	>299	PASS	0.50	18.7	18.3	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.91	0.90	1.18	0.56	-	500	LIM	>299	PASS	0.63	18.4	18.4	PASS	-	-		
4	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.61	0.61	0.59	0.38	-	500	LIM	>299	PASS	0.45	18.3	18.2	PASS	-	-		
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.4	18.4	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.29	-	500	>299	>299	PASS	0.36	18.2	18.2	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	LIM	-	500	>299	>299	-	LIM	18.2	18.1	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.64	-	500	LIM	>299	PASS	0.71	18.8	18.9	PASS	-	-		
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	18.8	18.9	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 80			Supply			DB RISER BLOCK D - 6L3							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK D FLAT 80(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.10 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			2.43 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.43	-	500	>299	>299	PASS	0.53	18.4	18.3	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.53	0.53	0.86	0.38	-	500	LIM	>299	PASS	0.48	18.6	18.2	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	1.24	0.56	-	500	LIM	>299	PASS	0.66	18.4	18.4	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.78	0.78	1.36	0.49	-	500	LIM	>299	PASS	0.59	18.3	18.3	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.34	18.4	18.2	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.25	-	500	>299	>299	PASS	0.35	18.8	18.3	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.36	18.1	18.4	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.75	18.3	18.2	PASS	-	-							
9	LIGHTS	A	C	18	1.5	1.0	0.4	61009	B	10	10	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.79	18.9	18.1	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS													TEST INSTRUMENTS																									
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																									
DB FLAT 19			Supply			SBB - 4L3							Supply polarity confirmed			YES			Continuity			101466954																
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954													
BLOCK B FLAT 19(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954										
			BS EN			60947 - 2			Rating			63 A			Nominal voltage			230 V			I _{pf}			3.44 kA			5I			- ms			RCD			101466954		
			RCD BS EN			-			Poles			-			Rating			-			mA			-			Earth electrode resistance			-								
CIRCUIT DETAILS													TEST RESULTS																									
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to										
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.38	-	500	>299	>299	PASS	0.45	8.71	8.55	PASS	-	-										
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.85	0.42	-	500	LIM	>299	PASS	0.49	18.3	18.3	PASS	-	-										
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.88	0.88	>999	0.41	-	500	LIM	>299	PASS	0.48	18.2	18.1	PASS	-	-										
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.59	0.59	0.68	0.37	-	500	LIM	>299	PASS	0.44	8.59	8.59	PASS	-	-										
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.6	18.1	PASS	-	-										
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.4	18.4	PASS	-	-										
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.25	-	500	>299	>299	PASS	0.32	8.55	8.59	PASS	-	-										
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	19.4	18.3	PASS	-	-										
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.76	-	500	LIM	>299	PASS	0.83	18.5	18.2	PASS	-	-										
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																		
Position	ELECTRICAL TEST ENGINEER																																					

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 20				Supply SBB - 5L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK B FLAT 20(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.07 Ω In - ms				Earth fault loop impedance												
				BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V										I _{pf} 3.32 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.34	-	500	>299	>299	PASS	0.41	18.4	18.2	PASS	-	-		
2	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.43	18.3	18.3	PASS	-	-		
3	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.66	0.95	0.43	-	500	LIM	>299	PASS	0.50	18.4	8.62	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	0.64	0.39	-	500	LIM	>299	PASS	0.46	18.4	8.37	PASS	-	-		
5	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.64	0.64	0.64	0.36	-	500	LIM	>299	PASS	0.43	18.3	8.55	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.4	18.2	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.3	18.2	PASS	-	-		
8	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.82	8.55	PASS	-	-		
9	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	8.55	8.52	PASS	-	-		
10	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.84	-	500	LIM	>299	PASS	0.91	18.6	18.3	PASS	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB FLAT 37				Supply DB RISER BLOCK B - 6L2				Supply polarity confirmed YES				Continuity 101466954																		
Location				Phases 1 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 101466954																		
BLOCK B FLAT 37(PROTEK)				Overcurrent protective device for distribution circuit				Z _s 0.07 Ω In - ms				Earth fault loop impedance 101466954																		
BS EN 88 Rating 80 A Nominal voltage 230 V				RCD BS EN - Poles - Rating - mA				I _{pf} 3.54 kA 5I - ms				RCD 101466954																		
												Earth electrode resistance -																		
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.36	-	500	>299	>299	PASS	0.43	18.2	8.70	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.51	0.51	0.83	0.42	-	500	LIM	>299	PASS	0.49	8.70	8.66	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.69	0.68	1.17	0.43	-	500	LIM	>299	PASS	0.50	8.84	8.60	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.71	0.72	1.31	0.48	-	500	LIM	>299	PASS	0.55	8.71	8.56	PASS	-	-		
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.55	8.55	PASS	-	-		
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.36	-	500	>299	>299	PASS	0.43	8.44	8.36	PASS	-	-		
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.35	-	500	>299	>299	PASS	0.42	8.83	8.60	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	8.44	8.60	PASS	-	-		
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.81	8.77	8.32	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 36			Supply			DB RISER BLOCK B - 6L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 36(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			3.54 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.37	-	500	>299	>299	PASS	0.44	8.77	8.45	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.50	0.51	0.70	0.37	-	500	LIM	>299	PASS	0.44	8.88	8.60	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.72	0.71	0.56	0.33	-	500	LIM	>299	PASS	0.40	18.2	8.55	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.74	0.74	1.28	0.50	-	500	LIM	>299	PASS	0.57	8.59	8.55	PASS	-	-							
5	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	8.66	8.33	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.27	-	500	>299	>299	PASS	0.34	18.4	8.66	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.28	-	500	>299	>299	PASS	0.35	8.66	8.44	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.77	19.1	8.33	PASS	-	-							
9	LIGHTS	A	C	12	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.84	18.8	8.65	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed			Serial or asset numbers of test instruments used																			
DB FLAT 26			Supply			DB RISER BLOCK B - 2L2							YES			Continuity			101466954																
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK B FLAT 26(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			3.24 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	B	32	10	30	1.1	-	-	-	0.35	-	500	>299	>299	PASS	0.42	18.8	18.2	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.65	0.65	1.08	0.46	-	500	LIM	>299	PASS	0.53	17.9	18.3	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.70	0.70	1.44	0.50	-	500	LIM	>299	PASS	0.57	18.4	18.1	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.62	0.62	0.70	0.35	-	500	LIM	>299	PASS	0.42	8.86	8.11	PASS	-	-							
5	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.21	-	500	>299	>299	PASS	0.28	18.2	8.55	PASS	-	-							
6	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.24	18.3	18.3	PASS	-	-							
7	IMMERSION	A	C	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.17	-	500	>299	>299	PASS	0.24	18.7	18.1	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.77	18.3	18.1	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.81	18.4	18.1	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																		

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used										
DB FLAT 7				Supply DB RISER A - 2L1										YES				Continuity										
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance										
BLOCK A FLAT 7(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance										
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 6.12 kA 5I - ms				RCD										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.32	-	500	>299	>299	PASS	0.35	>300	>40	FAIL	-	-
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.52	0.53	0.87	0.51	-	500	LIM	>299	PASS	0.54	18.6	18.2	PASS	-	-
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.65	0.65	0.78	0.42	-	500	LIM	>299	PASS	0.45	18.5	18.2	PASS	-	-
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.40	0.40	0.61	0.44	-	500	LIM	>299	PASS	0.47	18.7	8.45	PASS	-	-
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.28	-	500	>299	>299	PASS	0.31	8.53	8.26	PASS	-	-
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.29	-	500	>299	>299	PASS	0.32	18.3	18.4	PASS	-	-
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.25	-	500	>299	>299	PASS	0.28	18.2	8.22	PASS	-	-
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.71	18.1	9.11	PASS	-	-
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.74	-	500	LIM	>299	PASS	0.77	8.55	8.39	PASS	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	STEPHEN PENDER							Date	05 Aug 2021			Signature 																
Position	ELECTRICAL TEST ENGINEER							CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																			
DB FLAT 14				Supply				DB RISER A - 4L1						YES				Continuity				101466954															
Location				Phases				1						Phase sequence confirmed				PASS				Insulation resistance				101466954											
BLOCK A FLAT 14(PROTEK)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954											
				BS EN		88		Rating		80		A		Nominal voltage		230		V		Z _s		0.07		Ω		In		-		ms		RCD				101466954	
				RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf}		3.41		kA		5I		-		ms		Earth electrode resistance				-	
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.33	-	500	>299	>299	PASS	0.40	18.6	8.55	PASS	-	-									
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.52	0.52	0.56	0.48	-	500	LIM	>299	PASS	0.55	18.4	8.49	PASS	-	-									
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.68	0.66	0.76	0.39	-	500	LIM	>299	PASS	0.46	8.55	8.32	PASS	-	-									
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.37	0.37	0.46	0.35	-	500	LIM	>299	PASS	0.42	8.55	8.32	PASS	-	-									
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.7	8.12	PASS	-	-									
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.26	-	500	>299	>299	PASS	0.33	18.3	8.22	PASS	-	-									
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.31	8.48	8.11	PASS	-	-									
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.48	-	500	LIM	>299	PASS	0.55	8.55	8.39	PASS	-	-									
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.67	-	500	LIM	>299	PASS	0.74	18.4	8.66	PASS	-	-									
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used												
DB FLAT 4				Supply DB RISER A - 1L1										YES				Continuity												
Location				Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance												
BLOCK A FLAT 4(PROTEK)				Overcurrent protective device for distribution circuit										Z _s 0.03 Ω In - ms				Earth fault loop impedance												
				BS EN 88 Rating 80 A Nominal voltage 230 V										I _{pf} 8.02 kA 5I - ms				RCD												
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance												
CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.40	-	500	>299	>299	PASS	0.43	8.44	8.22	PASS	-	-		
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.58	0.58	0.70	0.54	-	500	LIM	>299	PASS	0.57	18.2	8.44	PASS	-	-		
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.66	0.67	0.98	0.49	-	500	LIM	>299	PASS	0.52	8.34	8.55	PASS	-	-		
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.45	0.45	0.87	0.47	-	500	LIM	>299	PASS	0.50	19.1	18.2	PASS	-	-		
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.23	-	500	>299	>299	PASS	0.26	8.64	8.45	PASS	-	-		
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.24	-	500	>299	>299	PASS	0.27	9.11	8.34	PASS	-	-		
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	0.24	-	500	>299	>299	PASS	0.27	8.46	8.12	PASS	-	-		
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.70	-	500	LIM	>299	PASS	0.73	8.54	8.33	PASS	-	-		
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.81	17.8	18.2	PASS	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS													TEST INSTRUMENTS																						
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
DB FLAT 10			Supply			DB RISER A - 3L1							Supply polarity confirmed			YES			Continuity			101466954													
Location			Phases			1			Phase sequence confirmed				PASS			Characteristics at board			RCD operating times			Insulation resistance			101466954										
BLOCK A FLAT 10(PROTEK)			Overcurrent protective device for distribution circuit										Z _s			0.04 Ω			In			- ms			Earth fault loop impedance			101466954							
			BS EN			88			Rating			80 A			Nominal voltage			230 V			RCD			101466954											
			RCD BS EN			-			Poles			-			Rating			- mA			I _{pf}			6.34 kA			5I			- ms			Earth electrode resistance		
CIRCUIT DETAILS													TEST RESULTS																						
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to							
1	COOKER	A	C	1	6	2.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.37	-	500	>299	>299	PASS	0.41	8.84	8.22	PASS	-	-							
2	SOCKETS RING KITCHEN	A	C	10	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.58	0.58	0.85	0.46	-	500	LIM	>299	PASS	0.50	8.34	8.55	PASS	-	-							
3	SOCKETS RING BEDROOMS	A	C	18	2.5	1.5	0.4	61009	C	32	10	30	0.54	>999	0.73	1.04	0.60	-	500	LIM	>299	PASS	0.64	17.1	8.30	PASS	-	-							
4	SOCKETS RING BEDROOMS	A	C	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.41	0.41	0.62	0.36	-	500	LIM	>299	PASS	0.40	18.4	8.22	PASS	-	-							
5	IMMERSSION 1	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	500	>299	>299	PASS	LIM	8.56	8.49	PASS	-	-							
6	IMMERSSION 2	A	C	1	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	500	>299	>299	PASS	LIM	8.12	8.34	PASS	-	-							
7	TRACE HEATING	A	C	1	2.5	1.5	0.4	61009	B	10	6	30	3.5	-	-	-	LIM	-	500	>299	>299	PASS	LIM	18.6	8.22	PASS	-	-							
8	LIGHTS	A	C	7	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.69	-	500	LIM	>299	PASS	0.73	8.55	8.22	PASS	-	-							
9	LIGHTS	A	C	15	1.5	1.0	0.4	61009	B	10	6	30	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.69	18.5	8.12	PASS	-	-							
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other													
Position	ELECTRICAL TEST ENGINEER																																		

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBA				Supply				MAIN LV SWITCHBOARD - 1TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK A RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.02 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		24.1 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1TP	BUSBAR (supply to DB RISER A)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.03	-	-	-	-	-									
2L1	DB FLAT 1 (supply to DB FLAT 1)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.02	-	500	>299	>299	PASS	0.04	-	-	-	-	-									
2L2	DB FLAT 2 (supply to DB FLAT 2)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.02	-	500	>299	>299	PASS	0.04	-	-	-	-	-									
2L3	DB FLAT 3 (supply to DB FLAT 3)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-									
3L1	LANDLORDS DBA (supply to LANDLORDS DB A)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.03	-	-	-	-	-									
3L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
3L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.45	-	500	LIM	LIM	PASS	0.47	-	-	-	-	-									
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
5TP	LIFT	G	E	1	4	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.20	-	500	LIM	LIM	PASS	0.22	-	-	-	-	-									
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position	ELECTRICAL TEST ENGINEER																																				

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBF				Supply				MAIN LV SWITCHBOARD - 7TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK F RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.06 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		7.22 kA		SI		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
2L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
2L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
2L3	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.33	-	500	LIM	LIM	PASS	0.39	-	-	-	-	-									
3TP	LIFT	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.19	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-									
4L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4L3	LANDLORDS DBF (supply to LANDLORDS DB F)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-									
5L1	DB FLAT 104 (supply to DB FLAT 104)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.20	-	-	-	-	-									
5L2	DB FLAT 103 (supply to DB FLAT 103)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.20	-	-	-	-	-									
5L3	DB FLAT 102 (supply to DB FLAT 102)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.13	-	500	>299	>299	PASS	0.19	-	-	-	-	-									
6TP	RISER (supply to DB RISER BLOCK F)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.07	-	-	-	-	-									
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature																													
Position	ELECTRICAL TEST ENGINEER																																				
														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																							

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
SBC				Supply MAIN LV SWITCHBOARD - 3TP										Supply polarity confirmed YES				Continuity 101466954										
Location				Phases 3 Phase sequence confirmed PASS										Characteristics at board RCD operating times				Insulation resistance 101466954										
BLOCK C RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Z _s 0.05 Ω In - ms				Earth fault loop impedance 101466954										
				BS EN - Rating - A Nominal voltage 400 V										I _{pf} 8.84 kA 5I - ms				RCD 101466954										
				RCD BS EN - Poles - Rating - mA														Earth electrode resistance -										
CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1TP	BUSBAR (supply to DB RISER BLOCK C)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.05	-	-	-	-	-
2L1	DB FLAT 43 (supply to DB FLAT 43)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
2L2	DB FLAT 44 (supply to DB FLAT 44)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
2L3	DB FLAT 45 (supply to DB FLAT 45)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
3L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.30	-	500	LIM	LIM	PASS	0.35	-	-	-	-	-
3L2	LANDLORDS DBC (supply to LANDLORDS DB C)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.05	-	-	-	-	-
3L3	DB FLAT 39 (supply to DB FLAT 39)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.28	-	500	LIM	LIM	PASS	0.33	-	-	-	-	-
6TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.20	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature <i>S. Pender</i>																				
Position	ELECTRICAL TEST ENGINEER																											
														CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBD				Supply				MAIN LV SWITCHBOARD - 4TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK D RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.06 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		8.2 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1L1	DB FLAT 61 (supply to DB FLAT 61)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
1L2	DB FLAT 62 (supply to DB FLAT 62)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
1L3	DB FLAT 60 (supply to DB FLAT 60)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-									
2L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.20	-	500	LIM	LIM	PASS	0.26	-	-	-	-	-									
2L2	DB FLAT 77 (supply to DB FLAT 77)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
2L3	LANDLORDS DBD (supply to LANDLORDS DB D)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-									
3TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
4TP	BUSBAR (supply to DB RISER BLOCK D)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.06	-	-	-	-	-									
5TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.28	-	500	LIM	LIM	PASS	0.34	-	-	-	-	-									
6TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.31	-	500	LIM	LIM	PASS	0.37	-	-	-	-	-									
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature																											
Position		ELECTRICAL TEST ENGINEER										CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																									

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
SBE				Supply				MAIN LV SWITCHBOARD - 6TP						Supply polarity confirmed				YES																			
Location				Phases				3		Phase sequence confirmed						PASS				Continuity				101466954													
BLOCK E RISER GROUND FLOOR(DORMAN SMITH)				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Insulation resistance				101466954											
				BS EN				-		Rating		-		A		Nominal voltage		400 V		Z _s		0.07 Ω		In		-		ms		Earth fault loop impedance				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		7.02 kA		5I		-		ms		RCD				101466954			
																												Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																							
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1L1	FIRE ALARM	O	E	1	2.5	1.5	0.4	60947 - 2	MCCB	16	25	-	2.3	-	-	-	0.22	-	500	LIM	LIM	PASS	0.29	-	-	-	-	-									
1L2	DB FLAT 86 (supply to DB FLAT 86)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-									
1L3	DB FLAT 85 (supply to DB FLAT 85)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-									
2L1	DB FLAT 81 (supply to DB FLAT 81)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-									
2L2	DB FLAT 87 (supply to DB FLAT 87)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-									
2L3	LANDLORDS DBE (supply to LANDLORDS DB E)	G	E	1	16	16	5	60947 - 2	MCCB	63	25	-	0.7	-	-	-	0.01	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-									
3TP	BUSBAR (supply to DB RISER BLOCK E)	G	E	1	70	SWA	5	60947 - 2	MCCB	250	25	-	0.09	-	-	-	0.01	-	500	LIM	>299	PASS	0.07	-	-	-	-	-									
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
5TP	LIFT 2	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.18	-	500	LIM	LIM	PASS	0.25	-	-	-	-	-									
6TP	LIFT 1	G	E	1	6	SWA	0.4	60947 - 2	MCCB	32	25	-	1.33	-	-	-	0.19	-	500	LIM	LIM	PASS	0.26	-	-	-	-	-									
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other															
Position		ELECTRICAL TEST ENGINEER																																			

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																			
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed YES					Serial or asset numbers of test instruments used																			
LANDLORDS DB A																				Supply SBA - 3L1					Characteristics at board RCD operating times					Continuity					101466954				
Location																				Phases 1 Phase sequence confirmed PASS										Insulation resistance					101466954				
BLOCK A RISER GROUND FLOOR(PROTEK)																				Overcurrent protective device for distribution circuit										Earth fault loop impedance					101466954				
					BS EN 60947 - 2 Rating 63 A Nominal voltage 230 V					Z _s 0.03 Ω In - ms					RCD					101466954																			
					RCD BS EN - Poles - Rating - mA					I _{pf} 8.03 kA 5I - ms					Earth electrode resistance					-																			
CIRCUIT DETAILS														TEST RESULTS																									
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to								
1	COMMUNAL POWER GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.59	0.59	1.60	0.31	-	500	LIM	>299	PASS	0.34	-	-	-	-	-								
2	COMMUNAL POWER 3RD,4TH,5TH RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.60	0.60	1.29	0.44	-	500	LIM	>299	PASS	0.47	-	-	-	-	-								
3	COMMS CUPBOARD SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-								
4	AVO PANEL SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-								
5	DOOR ACCESS				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.41	-	500	LIM	LIM	PASS	0.44	-	-	-	-	-								
6	DISABLED ALARM				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-								
7	OUTSIDE LIGHT				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-								
8	STAIRCASE LIGHTS GRD,1ST,2ND				A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.34	-	500	LIM	>299	PASS	2.37	-	-	-	-	-								
9	STAIRCASE LIGHTS 3RD,4TH,5TH				A	E	12	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.31	-	500	LIM	>299	PASS	3.34	-	-	-	-	-								
10	COMMUNAL/EM LIGHTS GROUND				A	E	7	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.74	-	500	LIM	>299	PASS	0.77	-	-	-	-	-								
11	COMMUNAL/EM LIGHTS 1ST				A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.39	-	500	LIM	>299	PASS	1.42	-	-	-	-	-								
12	COMMUNAL/EM LIGHTS 2ND				A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.36	-	500	LIM	>299	PASS	1.39	-	-	-	-	-								
13	COMMUNAL/EM LIGHTS 3RD				A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.50	-	500	LIM	>299	PASS	1.53	-	-	-	-	-								
14	COMMUNAL/EM LIGHTS 4TH				A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.45	-	500	LIM	>299	PASS	1.48	-	-	-	-	-								

Shine Forms Version 2021.1.1445.0, Model Version 2021.1.1445.0
 UID: e76eb245-6465-47b5-8f7e-da15fd189f21 printed at 2021-Nov-01 15:34:15 UTC

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																	
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																																																						
LANDLORDS DB C					Supply					SBC - 3L2					Supply polarity confirmed					YES			Continuity		101466954																																												
Location					Phases					1					Phase sequence confirmed					PASS			Characteristics at board		RCD operating times			Insulation resistance		101466954																																							
BLOCK C RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Z _s					0.05 Ω					In					-					ms					Earth fault loop impedance		101466954																											
					BS EN					60947 - 2																														Rating					63					A					Nominal voltage					230					V				
					RCD BS EN										-					Poles					-					Rating					-					mA					I _{pf}					4.56 kA					5I					-					ms				
CIRCUIT DETAILS													TEST RESULTS																																																								
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to																																						
1	GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.53	0.53	1.27	0.34	-	500	LIM	>299	PASS	0.39	-	-	-	-	-																																						
2	3RD,4TH,5TH RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.58	0.58	1.30	0.45	-	500	LIM	>299	PASS	0.50	-	-	-	-	-																																						
3	EXTENSION RING				A	E	4	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.71	0.72	1.26	0.51	-	500	LIM	>299	PASS	0.56	-	-	-	-	-																																						
4	TV AMP				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.25	-	500	LIM	LIM	PASS	0.30	-	-	-	-	-																																						
5	COMMS CABINET				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																						
6	AOV SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.29	-	500	LIM	LIM	PASS	0.34	-	-	-	-	-																																						
7	OUTSIDE LIGHT				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-																																						
8	DISABLED ALARM				A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.32	-	500	LIM	>299	PASS	0.37	-	-	-	-	-																																						
9	LIGHTS GROUND ENTRANCE				A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.04	-	500	LIM	>299	PASS	1.09	-	-	-	-	-																																						
10	LIGHTS GROUND				A	E	10	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.82	-	500	LIM	>299	PASS	0.87	-	-	-	-	-																																						
11	LIGHTS EXTENSION				A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.08	-	500	LIM	>299	PASS	2.13	-	-	-	-	-																																						
12	LIGHTS STAIRS EXTENSION				A	E	12	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.46	-	500	LIM	>299	PASS	2.51	-	-	-	-	-																																						
13	STAIR LIGHTS GRD/1ST/2ND				A	E	12	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.12	-	500	LIM	>299	PASS	2.17	-	-	-	-	-																																						
14	STAIR LIGHTS 3RD/4TH/5TH				A	E	11	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.38	-	500	LIM	>299	PASS	2.43	-	-	-	-	-																																						
15	SPEECH UNIT				A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																						
16	TV AMP				A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																						

CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
17	DOOR ACCESS EXTENSION	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.85	-	500	LIM	LIM	PASS	0.90	-	-	-	-	-		
18	LIGHTS 1ST FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.43	-	500	LIM	>299	PASS	1.48	-	-	-	-	-		
19	LIGHTS 2ND FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.31	-	500	LIM	>299	PASS	1.36	-	-	-	-	-		
20	LIGHTS 3RD FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.40	-	500	LIM	>299	PASS	1.45	-	-	-	-	-		
21	LIGHTS 4TH FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.73	-	500	LIM	>299	PASS	1.78	-	-	-	-	-		
22	LIGHTS 5TH FLOOR	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.92	-	500	LIM	>299	PASS	1.97	-	-	-	-	-		
23	SPEECH UNIT	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-		
24	DOOR LOCK	A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.29	-	500	LIM	>299	PASS	0.34	-	-	-	-	-		
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING										
Position	ELECTRICAL TEST ENGINEER														A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit					D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables					G XLPE/SWA cables H MICC mineral insulated cables I Other					

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																						
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																						
LANDLORDS DB E					Supply					SBE - 2L3					Supply polarity confirmed					YES					Continuity				101466954													
Location					Phases					1					Phase sequence confirmed					PASS					Insulation resistance				101466954													
BLOCK E RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance				101466954													
					BS EN		60947 - 2			Rating		63			A		Nominal voltage		230			V		Z _s		0.07 Ω			In		-		ms		RCD				101466954			
					RCD BS EN		-			Poles		-			Rating		-			mA		I _{pf}		3.44 kA			5I		-		ms		Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																												
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to											
1	GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.58	0.58	0.90	0.27	-	500	LIM	>299	PASS	0.34	-	-	-	-	-											
2	3RD,4TH,5TH RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.59	0.60	2.70	0.46	-	500	LIM	>299	PASS	0.53	-	-	-	-	-											
3	EXTENSION RING				A	E	4	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.62	0.62	1.03	0.48	-	500	LIM	>299	PASS	0.55	-	-	-	-	-											
4	TV AMP				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.26	-	500	LIM	LIM	PASS	0.33	-	-	-	-	-											
5	COMMS CABINET				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.27	-	500	LIM	LIM	PASS	0.34	-	-	-	-	-											
6	AOV SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.27	-	500	LIM	LIM	PASS	0.44	-	-	-	-	-											
7	OUTSIDE LIGHT				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-											
8	DISABLED ALARM				A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	-	-	-	-	-											
9	LIGHTS GROUND ENTRANCE				A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.03	-	500	LIM	>299	PASS	1.10	-	-	-	-	-											
10	LIGHTS GROUND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.87	-	500	LIM	>299	PASS	1.94	-	-	-	-	-											
11	LIGHTS EXTENSION				A	E	8	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.80	-	500	LIM	>299	PASS	1.87	-	-	-	-	-											
12	LIGHTS STAIRS EXTENSION				A	E	16	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.12	-	500	LIM	>299	PASS	3.19	-	-	-	-	-											
13	STAIR LIGHTS GRD/1ST/2ND				A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.26	-	500	LIM	>299	PASS	1.33	-	-	-	-	-											
14	STAIR LIGHTS 3RD/4TH/5TH				A	E	11	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.90	-	500	LIM	>299	PASS	2.97	-	-	-	-	-											
15	SPEECH UNIT				A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.26	-	500	LIM	>299	PASS	0.33	-	-	-	-	-											
16	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											

CIRCUIT DETAILS														TEST RESULTS																
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
17	DOOR ACCESS EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.34	-	500	LIM	>299	PASS	0.41	-	-	-	-	-		
18	LIGHTS 1ST FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.03	-	500	LIM	>299	PASS	1.10	-	-	-	-	-		
19	LIGHTS 2ND FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.89	-	500	LIM	>299	PASS	0.96	-	-	-	-	-		
20	LIGHTS 3RD FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.97	-	500	LIM	>299	PASS	1.04	-	-	-	-	-		
21	LIGHTS 4TH FLOOR	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.17	-	500	LIM	>299	PASS	1.24	-	-	-	-	-		
22	LIGHTS 5TH FLOOR	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.12	-	500	LIM	>299	PASS	1.19	-	-	-	-	-		
23	SPEECH UNIT	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-		
24	DOOR ACCESS EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.52	-	500	LIM	>299	PASS	0.59	-	-	-	-	-		
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING										
Position	ELECTRICAL TEST ENGINEER																		A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other											

BOARD CHARACTERISTICS																				TEST INSTRUMENTS												
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used												
LANDLORDS DB D					Supply SBD - 2L3										Supply polarity confirmed YES					Continuity				101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance				101466954								
BLOCK D RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954								
					BS EN		60947 - 2		Rating		63		A		Nominal voltage		230		V		Z _s 0.07 Ω		In - ms		RCD				101466954			
					RCD BS EN		-		Poles		-				Rating		-		mA		I _{pf} 3.66 kA		5I - ms		Earth electrode resistance				-			
CIRCUIT DETAILS													TEST RESULTS																			
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.49	0.49	0.84	0.30	-	500	LIM	>299	PASS	0.37	-	-	-	-	-	
2	EXTENSION RING				A	E	4	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.64	0.64	1.07	0.45	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
3	3RD,4TH,5TH RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.49	0.49	0.91	0.39	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
4	TV POINT				A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.41	-	500	LIM	>299	PASS	0.48	-	-	-	-	-	
5	COMMS CABINET				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
6	SMOKE VENT				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.49	-	500	LIM	>299	PASS	0.56	-	-	-	-	-	
7	SPEECH UNIT				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
8	DOOR ACCESS				A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.39	-	500	LIM	LIM	PASS	0.46	-	-	-	-	-	
9	DOOR ACCESS EXTENSION				A	E	1	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.42	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
10	DISABLED ALARM				A	E	1	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.34	-	500	LIM	>299	PASS	0.41	-	-	-	-	-	
11	ENTRANCE LIGHTS				A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.00	-	500	LIM	>299	PASS	1.07	-	-	-	-	-	
12	EM GROUND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.91	-	500	LIM	>299	PASS	0.98	-	-	-	-	-	
13	STAIR LIGHTS EXTENSION				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.29	-	500	LIM	>299	PASS	3.36	-	-	-	-	-	
14	STAIR LIGHTS 1ST/2ND				A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.49	-	500	LIM	>299	PASS	1.56	-	-	-	-	-	
15	STAIR LIGHTS 3RD/4TH/5TH				A	E	10	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.09	-	500	LIM	>299	PASS	3.16	-	-	-	-	-	
16	SPEECH UNIT				A	E	1	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
17	EM + CORRIDOR LIGHTS 1ST				A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	0.91	-	500	LIM	>299	PASS	0.98	-	-	-	-	-	

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
18	EM + CORRIDOR LIGHTS 2ND	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.12	-	500	LIM	>299	PASS	1.19	-	-	-	-	-	
19	EM + CORRIDOR LIGHTS 3RD	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.27	-	500	LIM	>299	PASS	1.34	-	-	-	-	-	
20	EM + CORRIDOR LIGHTS 4TH	A	E	9	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.40	-	500	LIM	>299	PASS	1.47	-	-	-	-	-	
21	EM + CORRIDOR LIGHTS 5TH	A	E	10	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	1.34	-	500	LIM	>299	PASS	1.41	-	-	-	-	-	
22	EM LIGHTS EXTENSION	A	E	8	1.5	1.0	0.4	60898	B	6	10	-	5.82	-	-	-	2.60	-	500	LIM	>299	PASS	2.67	-	-	-	-	-	
23	CARD READER	A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
24	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
26	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
27	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
28	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
31	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
32	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
33	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
34	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
35	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
36	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING									
Position	ELECTRICAL TEST ENGINEER														A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other														

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																														
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used																																																														
LANDLORDS DB B					Supply					SBB - 5L3					Supply polarity confirmed					YES					Continuity				101466954																																																					
Location					Phases					1					Phase sequence confirmed					PASS					Insulation resistance				101466954																																																					
BLOCK B RISER GROUND FLOOR(PROTEK)					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance				101466954																																																					
					BS EN					60947 - 2					Rating					63					A					Nominal voltage					230					V					Z _s					0.04					Ω					In					-					ms					RCD				101466954			
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					5.43					kA					5I					-					ms					Earth electrode resistance				-								
CIRCUIT DETAILS														TEST RESULTS																																																																				
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to																																																			
1	DOOR SWIPE				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.51	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-																																																			
2	SPEECH PANEL				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																			
3	TV AMP				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.44	-	500	LIM	LIM	PASS	0.48	-	-	-	-	-																																																			
4	CABIN SUPPLY				A	E	1	10	4	5	60898	B	32	6	-	1.1	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-																																																			
5	DISABLED ALARM				A	E	1	1.5	1.0	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	>299	>299	-	LIM	-	-	-	-	-																																																			
6	COMMS CABINET				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																			
7	OUTSIDE LIGHTS				A	E	1	2.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-																																																			
8	SOCKETS GRD,1ST,2ND RING				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.65	0.67	1.68	0.47	-	500	LIM	>299	PASS	0.51	-	-	-	-	-																																																			
9	LIGHTS GROUND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	0.88	-	500	LIM	>299	PASS	0.92	-	-	-	-	-																																																			
10	LIGHTS 1ST				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.59	-	500	LIM	>299	PASS	1.63	-	-	-	-	-																																																			
11	LIGHTS 2ND				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.44	-	500	LIM	>299	PASS	1.48	-	-	-	-	-																																																			
12	LIGHTS 3RD				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.73	-	500	LIM	>299	PASS	1.77	-	-	-	-	-																																																			
13	LIGHTS 4TH				A	E	9	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.64	-	500	LIM	>299	PASS	1.68	-	-	-	-	-																																																			
14	LIGHTS 5TH				A	E	10	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.83	-	500	LIM	>299	PASS	1.87	-	-	-	-	-																																																			
15	AOV SUPPLY				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-																																																			
16	LIGHTS STAIRS 3RD,4TH,5TH				A	E	11	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	3.10	-	500	LIM	>299	PASS	3.14	-	-	-	-	-																																																			
17	SOCKETS RING 3RD,4TH,5TH				A	E	7	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.52	0.53	0.87	0.45	-	500	LIM	>299	PASS	0.49	-	-	-	-	-																																																			

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
18	STAIR LIGHTS 1ST,2ND	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	2.59	-	500	LIM	>299	PASS	2.63	-	-	-	-	-	
19	DOOR SWIPE EXTENSION	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.51	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-	
20	SOCKETS ADMIN STAIRS RING	A	E	3	2.5	1.5	0.4	60898	B	32	10	-	1.1	LIM	LIM	LIM	0.49	-	500	LIM	LIM	PASS	0.53	-	-	-	-	-	
21	LIGHTS GROUND ENTRANCE	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.57	-	500	LIM	>299	PASS	1.61	-	-	-	-	-	
22	SPEECH UNIT EXTENSION	A	E	-	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
23	EM LIGHTS EXTENSION	A	E	3	2.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	1.39	-	500	LIM	>299	PASS	1.43	-	-	-	-	-	
24	LIGHTS ADMIN STAIRS	A	E	7	1.5	1.0	0.4	60898	B	10	10	-	3.5	-	-	-	1.70	-	500	LIM	>299	PASS	1.74	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables B PVC cables in metal conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G XLPE/SWA cables H MICC mineral insulated cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																												
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																																																																	
DB RISER A					Supply					SBA - 1TP					Supply polarity confirmed					YES			Continuity		101466954																																																							
Location					Phases					3					Phase sequence confirmed					PASS			Insulation resistance					101466954																																																				
RISER BLOCK A					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance					101466954																																																		
					BS EN					60947 - 2					Rating					250					A					Nominal voltage					400					V			Z _s					0.03					Ω					In					-					ms					RCD					101466954		
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					16.42					kA					5I					-					ms					Earth electrode resistance					-					
CIRCUIT DETAILS													TEST RESULTS																																																																			
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to																																																	
1L1	DB FLAT 4 (supply to DB FLAT 4)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-																																																	
1L2	DB FLAT 5 (supply to DB FLAT 5)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-																																																	
1L3	DB FLAT 6 (supply to DB FLAT 6)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-																																																	
2L1	DB FLAT 7 (supply to DB FLAT 7)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-																																																	
2L2	DB FLAT 8 (supply to DB FLAT 8)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-																																																	
2L3	DB FLAT 9 (supply to DB FLAT 9)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-																																																	
3L1	DB FLAT 10 (supply to DB FLAT 10)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-																																																	
3L2	DB FLAT 11 (supply to DB FLAT 11)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-																																																	
3L3	DB FLAT 12 (supply to DB FLAT 12)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.03	-	-	-	-	-																																																	
4L1	DB FLAT 14 (supply to DB FLAT 14)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.07	-	-	-	-	-																																																	
4L2	DB FLAT 15 (supply to DB FLAT 15)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-																																																	
4L3	DB FLAT 16 (supply to DB FLAT 16)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.04	-	-	-	-	-																																																	

CIRCUIT DETAILS													TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
5L1	DB FLAT 17 (supply to DB FLAT 17)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
5L2	DB FLAT 18 (supply to DB FLAT 18)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.06	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other		
Position	ELECTRICAL TEST ENGINEER							

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used											
DB RISER BLOCK F					Supply SBF - 6TP										Supply polarity confirmed YES					Continuity				101466954							
Location					Phases 3Phase sequence confirmed PASS										Characteristics at boardRCD operating times					Insulation resistance				101466954							
RISER BLOCK F					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954							
					BS EN60947 - 2Rating250A Nominal voltage400V					Z _s 0.07ΩIn- ms					RCD				101466954												
					RCD BS EN- Poles- Rating- mA					I _{pf} 6.88 kA5I- ms					Earth electrode resistance				-												
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 105 (supply to DB FLAT 105)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
1L2	DB FLAT 106 (supply to DB FLAT 106)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
1L3	DB FLAT 107 (supply to DB FLAT 107)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
2L1	DB FLAT 108 (supply to DB FLAT 108)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
2L2	DB FLAT 109 (supply to DB FLAT 109)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.10	-	500	>299	>299	PASS	0.17	-	-	-	-	-
2L3	DB FLAT 110 (supply to DB FLAT 110)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.11	-	500	>299	>299	PASS	0.18	-	-	-	-	-
3L1	DB FLAT 111 (supply to DB FLAT 111)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
3L2	DB FLAT 112 (supply to DB FLAT 112)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
3L3	DB FLAT 113 (supply to DB FLAT 113)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.12	-	500	>299	>299	PASS	0.19	-	-	-	-	-
4L1	DB FLAT 114 (supply to DB FLAT 114)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-
4L2	DB FLAT 115 (supply to DB FLAT 115)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.15	-	500	>299	>299	PASS	0.22	-	-	-	-	-
4L3	DB FLAT 116 (supply to DB FLAT 116)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-

CIRCUIT DETAILS													TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
5L1	DB FLAT 117 (supply to DB FLAT 117)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.13	-	500	>299	>299	PASS	0.20	-	-	-	-	-
5L2	DB FLAT 118 (supply to DB FLAT 118)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.14	-	500	>299	>299	PASS	0.21	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	STEPHEN PENDER	Date	05 Aug 2021	Signature		CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other			
Position	ELECTRICAL TEST ENGINEER								

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																				
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed YES					Serial or asset numbers of test instruments used																				
DB RISER BLOCK B																																								
Location					Phases 3					Phase sequence confirmed PASS					Characteristics at board					RCD operating times					Insulation resistance															
RISER BLOCK B					Overcurrent protective device for distribution circuit																																			
					BS EN		60947 - 2			Rating		250		A		Nominal voltage		400		V		Z _s 0.04 Ω					In		-		ms		Earth fault loop impedance							
					RCD BS EN		-			Poles		-		Rating		-		mA		I _{pf} 10.8 kA					5I		-		ms		Earth electrode resistance									
CIRCUIT DETAILS															TEST RESULTS																									
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to									
1L1	DB FLAT 22 (supply to DB FLAT 22)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-									
1L2	DB FLAT 23 (supply to DB FLAT 23)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
1L3	DB FLAT 24 (supply to DB FLAT 24)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-									
2L1	DB FLAT 25 (supply to DB FLAT 25)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
2L2	DB FLAT 26 (supply to DB FLAT 26)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
2L3	DB FLAT 27 (supply to DB FLAT 27)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-									
3L1	DB FLAT 28 (supply to DB FLAT 28)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-									
3L2	DB FLAT 29 (supply to DB FLAT 29)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-									
3L3	DB FLAT 30 (supply to DB FLAT 30)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-									
4L1	DB FLAT 31 (supply to DB FLAT 31)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-									
4L2	DB FLAT 32 (supply to DB FLAT 32)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-									
4L3	DB FLAT 33 (supply to DB FLAT 33)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.05	-	-	-	-	-									

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
5L1	DB FLAT 34 (supply to DB FLAT 34)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.06	-	-	-	-	-	
5L2	DB FLAT 35 (supply to DB FLAT 35)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-	
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6L1	DB FLAT 36 (supply to DB FLAT 36)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-	
6L2	DB FLAT 37 (supply to DB FLAT 37)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-	
6L3	DB FLAT 38 (supply to DB FLAT 38)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.07	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed					Serial or asset numbers of test instruments used											
DB RISER BLOCK C					Supply SBC - 1TP										YES					Continuity			101466954								
Location					Phases 3Phase sequence confirmedPASS										Characteristics at boardRCD operating times					Insulation resistance			101466954								
RISER BLOCK C					Overcurrent protective device for distribution circuit										Z _s 0.05ΩIn- ms					Earth fault loop impedance			101466954								
					BS EN60947 - 2Rating250A					Nominal voltage400V										RCD			101466954								
					RCD BS EN-					Poles-PolesRating-RatingmA					I _{pf} 8.84kA5I					Earth electrode resistance			-								
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	DB FLAT 46 (supply to DB FLAT 46)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
1L2	DB FLAT 47 (supply to DB FLAT 47)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
1L3	DB FLAT 48 (supply to DB FLAT 48)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L1	DB FLAT 49 (supply to DB FLAT 49)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.07	-	-	-	-	-
2L2	DB FLAT 50 (supply to DB FLAT 50)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
2L3	DB FLAT 51 (supply to DB FLAT 51)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
3L1	DB FLAT 52 (supply to DB FLAT 52)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.09	-	-	-	-	-
3L2	DB FLAT 53 (supply to DB FLAT 53)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
3L3	DB FLAT 54 (supply to DB FLAT 54)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L1	DB FLAT 55 (supply to DB FLAT 55)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L2	DB FLAT 56 (supply to DB FLAT 56)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.08	-	-	-	-	-
4L3	DB FLAT 57 (supply to DB FLAT 57)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-

CIRCUIT DETAILS														TEST RESULTS														
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r _n)	CPC (r ₂)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
5L1	DB FLAT 58 (supply to DB FLAT 58)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
5L2	DB FLAT 59 (supply to DB FLAT 59)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.10	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6L1	DB FLAT 40 (supply to DB FLAT 40)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
6L2	DB FLAT 41 (supply to DB FLAT 41)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.09	-	-	-	-	-
6L3	DB FLAT 42 (supply to DB FLAT 42)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.05	-	500	>299	>299	PASS	0.10	-	-	-	-	-
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position	ELECTRICAL TEST ENGINEER																											

BOARD CHARACTERISTICS																				TEST INSTRUMENTS																																																														
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																																																																			
DB RISER BLOCK D					Supply					SBD - 4TP					Supply polarity confirmed					YES			Continuity		101466954																																																									
Location					Phases					3					Phase sequence confirmed					PASS			Insulation resistance					101466954																																																						
RISER BLOCK D					Overcurrent protective device for distribution circuit										Characteristics at board					RCD operating times					Earth fault loop impedance					101466954																																																				
					BS EN					60947 - 2					Rating					250					A					Nominal voltage					400					V					Z _s					0.06					Ω					In					-					ms					RCD					101466954		
					RCD BS EN					-					Poles					-					Rating					-					mA					I _{pf}					8.12					kA					5I					-					ms					Earth electrode resistance					-							
CIRCUIT DETAILS														TEST RESULTS																																																																				
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to																																																			
1L1	DB FLAT 63 (supply to DB FLAT 63)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-																																																			
1L2	DB FLAT 64 (supply to DB FLAT 64)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
1L3	DB FLAT 65 (supply to DB FLAT 65)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
2L1	DB FLAT 66 (supply to DB FLAT 66)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
2L2	DB FLAT 67 (supply to DB FLAT 67)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-																																																			
2L3	DB FLAT 68 (supply to DB FLAT 68)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-																																																			
3L1	DB FLAT 69 (supply to DB FLAT 69)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.01	-	500	>299	>299	PASS	0.07	-	-	-	-	-																																																			
3L2	DB FLAT 70 (supply to DB FLAT 70)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-																																																			
3L3	DB FLAT 71 (supply to DB FLAT 71)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
4L1	DB FLAT 72 (supply to DB FLAT 72)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
4L2	DB FLAT 73 (supply to DB FLAT 73)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-																																																			
4L3	DB FLAT 74 (supply to DB FLAT 74)				G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.02	-	500	>299	>299	PASS	0.08	-	-	-	-	-																																																			

CIRCUIT DETAILS														TEST RESULTS															
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (r _n)	CPC (r ₂)	R ₁ + R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
5L1	DB FLAT 75 (supply to DB FLAT 75)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
5L2	DB FLAT 76 (supply to DB FLAT 76)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6L1	DB FLAT 78 (supply to DB FLAT 78)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.10	-	-	-	-	-	
6L2	DB FLAT 79 (supply to DB FLAT 79)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.03	-	500	>299	>299	PASS	0.09	-	-	-	-	-	
6L3	DB FLAT 80 (supply to DB FLAT 80)	G	E	1	16	16	5	88	gG	80	80	-	0.44	-	-	-	0.04	-	500	>299	>299	PASS	0.10	-	-	-	-	-	
Engineer	STEPHEN PENDER				Date	05 Aug 2021			Signature										CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cable C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																												

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used											
ADMIN DB					Supply SBB - 3TP										Supply polarity confirmed YES					Continuity				101466954							
Location					Phases 3Phase sequence confirmed PASS										Characteristics at boardRCD operating times					Insulation resistance				101466954							
ADMIN AREA BLOCK B (DORMAN SMITH)					Overcurrent protective device for distribution circuit															Earth fault loop impedance				101466954							
					BS EN60947 - 2					Rating63		A			Nominal voltage400		V			Z _s 0.11Ω		In- ms		RCD				101466954			
					RCD BS EN-					Poles-					Rating-		mA			I _{pf} 4.4 kA		5I- ms		Earth electrode resistance				-			
CIRCUIT DETAILS													TEST RESULTS																		
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1L1	SECURITY ROOM RING				A	E	8	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.34	-	500	LIM	LIM	PASS	0.45	-	-	-	-	-
1L2	LIGHTING RECEPTION				A	E	13	1.5	1.0	0.4	60898	C	10	10	-	1.75	-	-	-	0.70	-	500	LIM	>299	PASS	0.81	-	-	-	-	-
1L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2L1	RECEPTION RING				A	E	4	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.39	-	500	LIM	LIM	PASS	0.50	-	-	-	-	-
2L2	LIGHTING MANAGERS OFFICE				A	E	4	1.5	1.0	0.4	60898	C	10	10	-	1.75	-	-	-	0.67	-	500	LIM	>299	PASS	0.78	-	-	-	-	-
2L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3L1	WATER HEATER				A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.29	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3L2	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L1	DISABLED ALARM				A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.33	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
4L2	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L1	EXTERNAL LIGHTING NEAR				G	C	5	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	9.22	8.11	PASS	-	-
5L2	EXTERNAL LIGHTING BIKE SHEDS				G	C	7	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	9.33	8.34	PASS	-	-
5L3	EXTERNAL LIGHTING FAR				G	C	5	1.5	1.5	0.4	61009	C	10	10	30	1.75	-	-	-	LIM	-	500	LIM	>299	-	LIM	8.82	8.33	PASS	-	-
6L1	EXTERNAL LIGHTING CONTROL CIRCUIT				G	C	1	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.02	-	500	LIM	>299	PASS	0.13	8.11	8.03	PASS	-	-

Page 164 of 171

BOARD CHARACTERISTICS																				TEST INSTRUMENTS												
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN															Serial or asset numbers of test instruments used												
DB SWITCHROOM					Supply MAIN LV SWITCHBOARD - 5L1										Supply polarity confirmed YES					Continuity				101466954								
Location					Phases 1 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance				101466954								
SWITCHROOM					Overcurrent protective device for distribution circuit										Z _s 0.02 Ω In - ms					Earth fault loop impedance				101466954								
					BS EN - Rating - A Nominal voltage 230 V															RCD				101466954								
					RCD BS EN - Poles - Rating - mA										I _{pf} 11.5 kA 5I - ms					Earth electrode resistance				-								
CIRCUIT DETAILS													TEST RESULTS																			
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to	
1	SOCKETS LAUNDRY RING				A	E	9	2.5	1.5	0.4	61009	B	32	10	30	1.1	0.91	0.92	0.67	0.43	-	500	LIM	>299	PASS	0.45	28.4	15.4	PASS	-	-	
2	SOCKETS BOOSTER RING				A	E	2	2.5	1.5	0.4	60898	B	32	10	-	1.1	0.15	0.15	0.18	0.26	-	500	LIM	>299	PASS	0.28	-	-	-	-	-	
3	CCTV				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
4	NURSE CALL SYSTEM				A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.30	-	-	-	-	-	
5	LIGHTS COMMON ROOM				A	E	10	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.90	-	500	LIM	>299	PASS	0.92	-	-	-	-	-	
6	LIGHTS LAUNDRY				A	E	5	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.71	-	500	LIM	>299	PASS	0.73	-	-	-	-	-	
7	LIGHTS SWITCHROOM & BOOSTER				A	E	4	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.66	-	500	LIM	>299	PASS	0.68	-	-	-	-	-	
8	LIGHTS EXTERNAL				A	E	6	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	
9	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	EXTERNAL LIGHTS				G	D	4	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-	-
11	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	HOB				A	E	1	2.5	1.5	0.4	61009	B	16	10	30	2.18	-	-	-	0.50	-	500	LIM	>299	PASS	0.52	33.3	18.5	PASS	-	-	
13	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CIRCUIT DETAILS													TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rn)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to		
18	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	STEPHEN PENDER				Date	05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICA mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	ELECTRICAL TEST ENGINEER																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																											
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Supply polarity confirmed				Serial or asset numbers of test instruments used																							
MAIN LV SWITCHBOARD				Supply				Origin						YES				Continuity				101466954																			
Location				Phases				3						Phase sequence confirmed				PASS				Insulation resistance				101466954															
MAIN SWITCH ROOM				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times				Earth fault loop impedance				101466954															
				BS EN				-		Rating		-		A		Nominal voltage		400		V		Z _s		0.01		Ω		In		-		ms		RCD				101466954			
				RCD BS EN				-		Poles		-		Rating		-		mA		I _{pf}		38.8		kA		5I		-		ms		Earth electrode resistance				-					
CIRCUIT DETAILS														TEST RESULTS																											
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Z _s permitted	Phase (r1)	Neutral (r1)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to													
1TP	SBA (supply to SBA)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.01	-	500	LIM	LIM	PASS	0.02	-	-	-	-	-													
2TP	SBB (supply to SBB)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.03	-	500	LIM	LIM	PASS	0.04	-	-	-	-	-													
3TP	SBC (supply to SBC)	G	D	1	95	SWA	5	-	LIM	-	-	-	-	-	-	-	0.04	-	500	LIM	LIM	PASS	0.05	-	-	-	-	-													
4TP	SBD (supply to SBD)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.05	-	500	LIM	LIM	PASS	0.06	-	-	-	-	-													
5L1	SWITCH ROOM DB (supply to DB SWITCHROOM)	G	E	1	16	16	5	-	LIM	-	-	-	-	-	-	-	0.01	-	500	>299	>299	PASS	0.02	-	-	-	-	-													
5L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
6TP	SBE (supply to SBE)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.06	-	500	LIM	LIM	PASS	0.07	-	-	-	-	-													
7TP	SBF (supply to SBF)	G	D	1	150	SWA	5	-	LIM	-	-	-	-	-	-	-	0.05	-	500	LIM	LIM	PASS	0.06	-	-	-	-	-													
8TP	LAUNDRY DB (supply to DB LAUNDRY)	G	E	1	35	SWA	5	-	LIM	-	-	-	-	-	-	-	0.09	-	500	LIM	LIM	PASS	0.10	-	-	-	-	-													
9TP	BOOSTER	G	E	1	35	SWA	5	-	LIM	-	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-													
Engineer	STEPHEN PENDER			Date	05 Aug 2021			Signature													CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other																				
Position	ELECTRICAL TEST ENGINEER																																								

BOARD CHARACTERISTICS																				TEST INSTRUMENTS											
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																
DB LAUNDRY					Supply MAIN LV SWITCHBOARD - 8TP										Supply polarity confirmed YES					Continuity 101466954											
Location					Phases 3 Phase sequence confirmed PASS										Characteristics at board RCD operating times					Insulation resistance 101466954											
LAUNDRY					Overcurrent protective device for distribution circuit										Z _s 0.10 Ω In - ms					Earth fault loop impedance 101466954											
					BS EN - Rating - A Nominal voltage 400 V					RCD BS EN - Poles - Rating - mA										RCD 101466954											
															I _{pf} 4.6 kA 5I - ms					Earth electrode resistance -											
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation				Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (rm)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to
1TP	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2L1	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2L2	STACK 1				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
2L3	STACK 2				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
3L1	STACK 3				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
3L2	STACK 4				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
3L3	STACK 5				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
4L1	STACK 6				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
4L2	STACK 7				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
4L3	STACK 8				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.06	-	500	LIM	>299	PASS	0.16	-	-	-	-	-
5L1	STACK 9				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
5L2	STACK 10				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
5L3	STACK 11				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
6L1	STACK 12				E	B	1	6	6	0.4	60898	C	32	10	-	0.54	-	-	-	0.05	-	500	LIM	>299	PASS	0.15	-	-	-	-	-
6L2	STACK DRYER				E	B	1	6	6	0.4	60898	B	32	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.14	-	-	-	-	-
6L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7L1	ACCESS GATE				G	D	1	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
7L2	LIGHTS LAUNDRY				A	B	3	1	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
7L3	SPARE				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
DB SHED				Supply				LANDLORDS DB F - 36						Supply polarity confirmed				YES													
Location				Phases				1		Phase sequence confirmed						PASS		Continuity				101466954									
SHED				Overcurrent protective device for distribution circuit										Characteristics at board				RCD operating times		Insulation resistance				101466954							
				BS EN				60898		Rating		20		A		Nominal voltage		230		V		Earth fault loop impedance				101466954					
				RCD BS EN				-		Poles		-		Rating		-		mA		RCD				101466954							
																		Earth electrode resistance				-									
CIRCUIT DETAILS														TEST RESULTS																	
Number	Circuit designation	Wiring type	Reference	Number of	Live mm ²	CPC mm ²	Maximum disconnection	BS (EN)	Type	Rating (A)	Short (kA)	RCD operating current	Max Zs permitted	Phase (r1)	Neutral (m)	CPC (r2)	R ₁ +R ₂	R ₂	Voltage	Live Live MΩ	Live Earth MΩ	Polarity check	Earth fault loop impedance Ω	RCD time At In ms	RCD time At 5In ms	Test button operation	AFDD Button	Vulnerable to			
1	SHED SOCKET	C	B	1	2.5	2.5	0.4	61009	B	20	10	30	1.75	-	-	-	0.17	-	500	>299	>299	PASS	0.61	18.1	8.7	PASS	-	-			
2	SHED LIGHTS	C	B	5	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.43	-	500	LIM	>299	PASS	0.87	17.1	8.8	PASS	-	-			
3	EXTERNAL LIGHTS 1	B	B	4	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.44	-	500	LIM	>299	PASS	0.88	19.5	12.8	PASS	-	-			
4	EXTERNAL LIGHTS 2	B	B	4	1.5	1.5	0.4	61009	C	6	10	30	2.91	-	-	-	0.46	-	500	LIM	>299	PASS	0.90	22.9	11.1	PASS	-	-			
5	EXTERNAL LIGHTS 3	B	B	4	1.5	1.5	0.4	61009	B	6	10	30	5.82	-	-	-	0.61	-	500	LIM	>299	PASS	0.95	19.5	8.8	PASS	-	-			
6	CONTROL CIRCUIT	B	B	1	1.5	1.5	0.4	61009	B	6	10	30	5.82	-	-	-	0.01	-	500	LIM	>299	PASS	0.45	18.3	9.09	PASS	-	-			
7	SHED SOCKET	C	B	1	2.5	2.5	0.4	61009	B	20	10	30	1.75	-	-	-	0.14	-	500	>299	>299	PASS	0.58	20.1	9.5	PASS	-	-			
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Engineer		STEPHEN PENDER				Date		05 Aug 2021		Signature												CODES FOR TYPES OF WIRING A PVC/PVC cables D PVC cables in metallic trunking G XLPE/SWA cables B PVC cables in metal conduit E PVC cables in non-metallic trunking H MICC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other									
Position		ELECTRICAL TEST ENGINEER																													

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, so far as reasonably practicable, whether 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 to 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 an 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 undertake 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 undertake 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.