

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 17 Aug 2020

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

Occupier CLODIEN HOUSE CARDIFF Address CLODIEN HOUSE
 CLODIEN AVENUE
 CARDIFF
 MID GLAMORGAN
 CF14 3NS

Description of premises: Domestic Commercial Industrial Other -

Estimated age of the installation 20 years Evidence of additions/alterations If yes, estimated age 7 years

Installation records available? (Regulation 651.1) Date of last inspection 02 Jul 2009

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 the reasons (see Regulation 653.2)

1	INSULATION RESISTANCE TESTING LIMITED TO LIVE CONDUCTORS TO EARTH ONLY.
2	The primary overcurrent device for the installation is unknown.
3	Inspection Schedule Item 2.1: Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6).
4	Inspection Schedule Item 2.2: Adequate arrangements where a generating set operates in parallel with the public supply (551.7).
5	Inspection Schedule Item 4.7: Operation of main switch (functional check)(643.10).
6	Inspection Schedule Item 4.22: Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6).
7	Inspection Schedule Item 4.23: Adequate arrangements where a generating set operates in parallel with the public supply (551.7).

Agreed with CLIENT

Extent of sampling

RANDOM SAMPLING OF CIRCUITS AND ACCESORIES

Operational limitations including the reasons

NO ACCESS TO MAINS BUILDING, THEREFORE MAIN DB COULD NOT BE INSPECTED, RESULTING IN LIMITATIONS BEING APPLIED. DUE TO THE WATER HEATER BOOST CONTROL FITTED TO THE FRONT COVER OF THE FLAT DB'S IT MAKES IT VERY DIFFICULT TO REMOVE THE FRONT COVER.

A LARGE NUMBER OF DB'S SCREWS COULD NOT BE REMOVED, THEREFORE UNABLE TO TAKE Zs AND Ipfs READINGS.

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

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)

THE INSTALLATION WAS FOUND TO BE IN AN OVERALL FAIR CONDITION WITH NO OBVIOUS SIGN OF DEFECT, WITH EXCEPTION TO THOSE OBSERVATIONS LISTED IN SECTION K.

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 **17 Aug 2025**

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	ANTONY STEPHENSON	Name	RICHARD BEACH
Position	APPROVED ELECTRICIAN	Position	QUALIFIED SUPERVISOR
Date	17 Sep 2020	Date	24 Mar 2021
Signature		Signature	

Details of the contractor

Trading title	DATA FACILITIES (Yorkshire) LTD	Enrolment/branch	043888 / 000
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:

54	observations.
78	items in the schedule of inspection.
101	schedule(s) of test results for boards with a total of 1194 circuits.

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors		Nature of Supply Parameters		Supply Protective Device	
	AC	DC	Nominal voltage U/U	Nominal frequency f *	BS (EN)	LIM
TN-S <input type="checkbox"/>	<input checked="" type="checkbox"/> AC	<input type="checkbox"/> DC	400 / 230.0 V	50.0 Hz	Type	-
TN-C-S <input checked="" type="checkbox"/>	1-phase, 2-wire <input type="checkbox"/>	2-wire <input type="checkbox"/>	Prospective fault current I _{pf} **	17.1 kA	Rated current	- A
TN-C <input type="checkbox"/>	2-phase, 3-wire <input type="checkbox"/>	3-wire <input type="checkbox"/>	External loop impedance Z _e **	0.02 Ω	Short-circuit capacity	- kA
TT <input type="checkbox"/>	3-phase, 3-wire <input type="checkbox"/>	Other -	Maximum demand	- A	* By enquiry ** By enquiry or measurement	
IT <input type="checkbox"/>	3-phase, 4-wire <input checked="" type="checkbox"/>		Number of supplies	1		
-	Confirmation of supply polarity	YES				

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	<input checked="" type="checkbox"/>	Type	-
Installation earth electrode	<input type="checkbox"/>	Location	-
		Resistance to earth	- Ω

Main Protective Conductors

Earth Conductor	Material	Copper	csa	150	mm ²	Connection / continuity verified	PASS
Main protective bonding conductors (to extraneous-conductive-parts)	Material	Copper	csa	70	mm ²	Connection / continuity verified	PASS
To water installation pipes	PASS	To gas installation pipes	N/A	To oil installation pipes	N/A	To structural steel	PASS
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				If RCD main switch			
BS(EN)	60947-2	Poles	3	Current rating	630.0 A	Rated residual operating current (I _{Δn})	- mA
Supply conductors material	Copper	Fuse/device rating or setting	- A	Rated time delay	-	ms	
Supply conductors csa	240 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	UNABLE TO REMOVE DB COVER SCREW HEADS DAMAGED.	DB1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 42, 44, 47, 77, 79, 83,	C3
2	DOUBLE SOCKET DAMAGED. NEW SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT18 ROOM A DESK RHS.	
3	HEATER FUSE SPUR LOOSE, SCREW THREAD DAMAGED. NEW BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT22 ROOM B.	
4	HOB ISOLATOR VERY DIFFICULT TO OPERATE. HOB ISOLATOR REQUIRES REPLACING.	FLAT 2, 3, 5, 6, 8, 13, 14, 16, 18, 19, 20, 21, 23, 27, 28, 30, 31, 32, 33, 36, 38, 39, 42, 43, 44, 47, 48, 49, 57, 59, 61, 62, 64, 66, 67, 68, 69, 70, 72, 75, 76, 77, 78, 79, 81, 84,85	C3
5	ENSUITE LIGHT FITTING COVER CRACKED. NEW FITTING REQUIRED. RECTIFIED 19.03.21	FLAT 4 ROOM C, FLAT 10 ROOM B & D, FLAT 22 ROOM B, FLAT 26 ROOM A & D, FLAT 27 ROOM A & E, FLAT 39 ROOM A, FLAT 45 ROOM E, FLAT 47 ROOM A, FLAT 53 ROOM A, FLAT 58 ROOM A B & C, FLAT 57 ROOM B & C, FLAT 72 ROOM D, FLAT 85 ROOM B.	
6	HEAT DAMAGED CABLES IN LOUNGE LIGHT FITTING. RECTIFIED 19.03.21	FLAT 10 LOUNGE FITTING.	
7	DOUBLE SOCKET BACK BOX DAMAGED. NEW BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT 14 ROOM B DESK RHS.	
8	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 33 LOUNGE.	
9	LOUNGE SOCKET ONLY SECURED WITH 1 WOOD SCREW. NEW BACK BOX (DRY LINING) REQD. RECTIFIED 19.03.21	FLAT 39 LOUNGE.	
10	DOUBLE SOCKET CRACKED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 41 LOUNGE.	
11	DOUBLE SOCKET DAMAGED. NEW SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 42 ROOM C DESK LHS.	

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
12	DOUBLE SOCKET WITH PLASTIC EARTH PIN BROKEN IN OUTLET. NEW SOCKET REQD. RECTIFIED 19.03.21	FLAT 51 ROOM E DESK LHS.	
13	LOUNGE LIGHT FITTING CABLE SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 71 LOUNGE.	
14	SOCKET NOT FIXED SECURELY. DOUBLE BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT 74 LOUNGE.	
15	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 77 PASSAGE FAR END.	
16	DOUBLE SOCKET DAMAGED NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 77 ROOM B DESK LHS.	
17	CORRIDOR LIGHT FITTING CABLE SHOWS SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 78 PASSAGE FAR FITTING.	
18	DOUBLE SOCKET DAMAGED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 81 ROOM A DESK RHS.	
19	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 82 PASSAGE FAR END.	
20	LIGHT FITTING CABLE SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION REQD. RECTIFIED 19.03.21	FLAT 85 LOUNGE.	
21	CIRCULAR BULKHEAD FITTING DAMAGED. NEW FITTING REQUIRED. RECTIFIED 19.03.21	FLAT 86 PASSAGE.	
22	DOUBLE SOCKET DAMAGED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 86 ROOM B DESK.	
23	A LARGE NUMBER OF FLAT PASSAGE LIGHT FITTINGS CLOSEST TO THE ENTRANCE DOOR ARE DEFECTIVE. THIS FITTING IS WHERE THE PASSAGE AND KITCHEN LIGHTING IS CONNECTED. THE LIGHT SHOULD BE REWIRED INTO A JUNCTION BOX ABOVE THE RECESSED CEILING AND A FLEX FEEDING THE LIGHT. THIS WILL ENSURE THE FITTING IS EASIER TO BE REPLACED AND IT WOULD BE A BETTER ELECTRICAL INSTALLATION.	FLAT PASSAGES.	C3
24	Inspection Schedule Item 5.12.4: for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203). is recommended for improvement.	General	C3
25	Inspection Schedule Item 4.19: RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1). is recommended for improvement.	General	C3
26	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
27	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
28	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 19.03.21	General	
29	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 4 [PROTEK] - 1	
30	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK B [D.SMITH DB08X] - 2L3	C3
31	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 19 [PROTEK] - 1	
32	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK C [D.SMITH DB08X] - 3L2	C3
33	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 35 [PROTEK] - 1	
34	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 35 [PROTEK] - 3	

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
35	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 39 [PROTEK] - 1	
36	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 42 [PROTEK] - 2	
37	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK D [D.SMITH DB08X] - 3L2	C3
38	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 45 [PROTEK] - 2	
39	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 45 [PROTEK] - 3	
40	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 57 [PROTEK] - 4	
41	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK E [D.SMITH DB08X] - 3L1	C3
42	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 63 [PROTEK] - 1	
43	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 64 [PROTEK] - 2	
44	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 64 [PROTEK] - 3	
45	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 67 [PROTEK] - 3	
46	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 70 [PROTEK] - 1	
47	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 71 [PROTEK] - 1	
48	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK F [D.SMITH DB08X] - 3L1	C3
49	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 74 [PROTEK] - 3	
50	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 74 [PROTEK] - 4	
51	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 75 [PROTEK] - 3	
52	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. AS ABOVE. RECTIFIED 19.03.21	DB 75 [PROTEK] - 3	
53	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 86 [PROTEK] - 2	
54	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. AS ABOVE. RECTIFIED 19.03.21	DB 86 [PROTEK] - 2	

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.

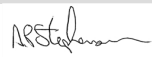
C1: Danger present. Risk of injury. Immediate remedial action required. C3: Improvement recommended.

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

INSPECTION SCHEDULE
Note: The inspection schedule only includes applicable items.

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)													PASS
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)													LIM
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													LIM
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
3.3	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)													PASS
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)													LIM
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)													PASS
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
4.13	Presence of other required labelling (please specify) (Section 514)													PASS
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
4.19	RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1)													C3

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
4.21	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)													LIM
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													LIM
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)													PASS
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)													PASS
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)													PASS
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)													PASS
5.12.1	for all socket-outlets of rating 32 A or less. unless an exception is permitted (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)													C3
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
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)													PASS
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)													PASS
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

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
6.7	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
Inspected by:														
Name	ANTONY STEPHENSON				Date	17 Aug 2020		Signature						

BOARD CHARACTERISTICS												TEST INSTRUMENTS														
Designation MAIN PANEL [DORMAN SMITH]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used											
Location SWITCHROOM			Supply Origin			Phases 3			Phase sequence confirmed PASS			Supply polarity confirmed YES			Continuity		8134947		Insulation resistance		8134947					
			Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Earth fault loop impedance		8134947		RCD		8134947	
			BS EN LIM		Rating -		A		Nominal voltage 400 V		Z _s - Ω		In - ms		Earth electrode resistance		8134947		RCD		8134947					
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} - 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 (r _n)	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	Supply to DB LANDLORD BLOCK A [D.SMITH DB08X]	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
2TP	Supply to BUSBAR BLOCK B	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
3TP	Supply to BUSBAR BLOCK C	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
4TP	Supply to BUSBAR BLOCK D	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
5TP	Supply to BUSBAR BLOCK E	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
6TP	Supply to BUSBAR BLOCK F	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
7TP	Supply to DB PUMP HOUSE [DORMAN SMITH DB06X]	F	C	1	25	SWA	5	60947 - 2	MCCB	100	25	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
8L1	Supply to DB SWITCHROOM [DORMAN SMITH DA06X]	F	C	1	25	SWA	5	60947 - 2	MCCB	100	25	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
8L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10TP	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	
11T P	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12T P	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																												

BOARD CHARACTERISTICS												TEST INSTRUMENTS								
Designation DB PUMP HOUSE [DORMAN SMITH DB06X]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used					
Location PUMP HOUSE			Supply MAIN PANEL [DORMAN SMITH] - 7TP			Supply polarity confirmed YES			Phases 3			Phase sequence confirmed PASS			Continuity		8134947			
			Overcurrent protective device for distribution circuit			Characteristics at board			RCD operating times			Insulation resistance		8134947						
			BS EN 60947 - 2		Rating 100 A		Nominal voltage 400 V		Z _s 0.11 Ω		In - ms		Earth fault loop impedance		8134947					
			RCD BS EN -		Poles -		Rating - mA		I _{pf} 1.59 kA		5I - ms		RCD		8134947					
													Earth electrode resistance		8134947					

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
1TP	PUMP SET	F	C	1	6	SWA	0.4	60898	C	32	10	-	0.54	-	-	-	0.01	-	-	LIM	>299	PASS	0.12	-	-	-	-	-
2L1	PUMP HOUSE SOCKET	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.15	28.4	28.4	PASS	-	-
2L2	EXTERNAL LIGHTS AND COIL	F	B	3	1.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.46	-	-	LIM	>299	PASS	0.57	-	-	-	-	-
2L3	LAMP POSTS TOP OF DRIVE	F	B	3	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	1.10	-	-	LIM	>299	PASS	1.21	-	-	-	-	-
3L1	STEP EXTERNAL LIGHTS	F	B	10	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.81	-	-	LIM	>299	PASS	0.92	-	-	-	-	-
3L2	PUMP HOUSE EXTERNAL LIGHTS	C	B	2	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.16	-	-	LIM	>299	PASS	0.27	-	-	-	-	-
3L3	PUMP HOUSE LIGHTS	C	B	3	1.5	1.5	0.4	60898	C	10	10	-	1.75	-	-	-	0.13	-	-	LIM	>299	PASS	0.24	-	-	-	-	-
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS														TEST INSTRUMENTS															
Designation DB SWITCHROOM [DORMAN SMITH DA06X]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
Location SWITCHROOM				Supply MAIN PANEL [DORMAN SMITH] - 8L1				Supply polarity confirmed YES				Continuity		8134947															
				Phases 1		Phase sequence confirmed PASS				Characteristics at board		RCD operating times		Insulation resistance		8134947													
				Overcurrent protective device for distribution circuit										Earth fault loop impedance		8134947													
				BS EN 60947 - 2		Rating 100		A		Nominal voltage 230		V		RCD		8134947													
				RCD BS EN -		Poles -		Rating -		mA		Z _s 0.02		Ω		In -		ms		Earth electrode resistance		8134947							
												I _{pf} 9.1		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 (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	SOCKET IN HV ROOM	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	-	LIM	LIM	-	LIM	LIM	LIM	-	-	-	
2	SOCKET THIS ROOM	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.06	-	-	LIM	>299	PASS	0.08	26.1	10.3	PASS	-	-	
3	LIGHTS	C	B	3	1.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.34	-	-	LIM	>299	PASS	0.36	-	-	-	-	-	
Engineer	ANTONY STEPHENSON			Date	17 Aug 2020			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	APPROVED ELECTRICIAN																												

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation BUSBAR BLOCK A			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used								
Location BLOCK A RISER			Supply MAIN PANEL [DORMAN SMITH] - 1TP			Supply polarity confirmed YES			Continuity 8134947			Insulation resistance 8134947			Earth fault loop impedance 8134947			RCD 8134947			Earth electrode resistance 8134947		
			Phases 3 Phase sequence confirmed PASS			Characteristics at board RCD operating times																	
			Overcurrent protective device for distribution circuit									Z _s 0.05 Ω In - ms											
			BS EN 60947 - 2 Rating 200 A Nominal voltage 400 V			I _{pf} - kA 5I - ms																	
			RCD BS EN - Poles - Rating - mA																				

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
T01	Supply to DB 1 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T02	-	F	E	1	25	SWA	5	88-2	-	100	-	-	0.34	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
T03	Supply to DB 2 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T03	Supply to DB 3 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T04	Supply to DB 4 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T04	Supply to DB 5 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T05	Supply to DB 6 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T05	Supply to DB 7 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T06	Supply to DB 8 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T06	Supply to DB 9 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T07	Supply to DB 10 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T07	Supply to DB 11 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T08	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS										TEST INSTRUMENTS									
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used				
DB LANDLORD BLOCK A [D.SMITH DB08X]					Supply MAIN PANEL [DORMAN SMITH] - 1TP					Supply polarity confirmed YES					Continuity 8134947				
Location					Phases 3 Phase sequence confirmed PASS					Characteristics at board RCD operating times					Insulation resistance 8134947				
BLOCK A RISER GND. FLOOR					Overcurrent protective device for distribution circuit					Z _s 0.21 Ω In - ms					Earth fault loop impedance 8134947				
					BS EN 60947 - 2 Rating 200 A Nominal voltage 400 V					I _{pf} 1.29 kA 5I - ms					RCD 8134947				
					RCD BS EN - Poles - Rating - mA										Earth electrode resistance 8134947				

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
1L1	MANAGER, LOCKERS, DISABLED W/C LIGHTS	A	E	5	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.55	-	500	LIM	>299	PASS	0.76	-	-	-	-	-
1L2	COMMON ROOM LIGHTS	A	E	14	1.5	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.75	-	500	LIM	>299	PASS	0.96	-	-	-	-	-
1L3	OFFICE LAUNDRY LIGHTS	A	E	5	1.5	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.76	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
2L1	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-
2L2	COMMON ROOM RECEPTION RING MAIN	A	E	8	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.84	0.87	1.41	0.56	-	500	LIM	>299	PASS	0.55	27	15	PASS	-	-
2L3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	C	32	10	-	0.54	0.41	0.45	0.71	0.28	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
3L1	COMMS ROOM SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
3L2	MANAGERS OFFICE 45A DP	A	E	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
3L3	TV AMP. 4TH. FLOOR RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4L1	DISABLED ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4L2	MANAGERS OFFICE 45A DP	A	E	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
4L3	SMOKE VENT CONTROL PANEL	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
5L1	STAIRS LIGHTS FLOOR 3,4,5	A	E	28	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.16	-	500	LIM	>299	PASS	1.37	-	-	-	-	-
5L2	MANAGERS A/C UNIT	A	E	1	2.5	1.5	0.4	60898	C	20	10	-	0.87	-	-	-	0.32	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
5L3	LAUNDRY HEATER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-

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	
6L1	STAIRS LIGHTS FLOOR GROUND,1,2	A	E	29	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.51	-	500	LIM	>299	PASS	1.72	-	-	-	-	-	
6L2	COMMON ROOM DOUBLE SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.60	-	-	-	-	-	
6L3	OFFICE, CCTV, FA RING MAIN	A	E	4	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.25	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
7L1	PATCH PANEL	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.17	-	500	LIM	LIM	PASS	0.38	-	-	-	-	-	
7L2	CLEANERS SOCKETS RADIAL	A	E	6	2.5	1.5	0.4	61009	C	20	10	30	0.87	-	-	-	1.43	-	500	LIM	>299	PASS	1.64	29	19	PASS	-	-	
7L3	FRONT DOOR ENTRY	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.11	-	500	LIM	>299	PASS	0.32	-	-	-	-	-	
8L1	DOOR ENTRY SPEAKER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-	
8L2	CCTV SUPPLY IN RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.27	-	-	-	-	-	
8L3	FIRE ALARM PANEL	A	E	1	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.32	-	500	LIM	>299	PASS	0.53	-	-	-	-	-	
9TP	Supply to DB LAUNDRY [D.SMITH DB08X]	F	E	1	16	SWA	5	60898	C	63	10	-	0.28	-	-	-	0.01	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
10L1	DOOR ENTRY BACK	A	C	1	2.5	1.5	0.4	60898	C	16	6	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
10L2	CLEANERS SOCKETS RADIAL	A	E	7	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	1.63	-	500	LIM	>299	PASS	1.64	29	18	PASS	-	-	
10L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11L2	SOCKET DELOW DB	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.19	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
11L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12L2	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		
12L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>APStephenson</i></p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used							
DB LAUNDRY [D.SMITH DB08X]				Supply DB LANDLORD BLOCK A [D.SMITH DB08X] - 9TP				Supply polarity confirmed YES				Continuity 8134947											
Location				Phases 3 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board RCD operating times				Insulation resistance 8134947							
LAUNDRY STORE				BS EN 60898 Rating 63 A Nominal voltage 400 V				Z _s 0.11 Ω In - ms				Earth fault loop impedance 8134947											
				RCD BS EN - Poles - Rating - mA				I _{pf} 0.81 kA 5I - ms				RCD 8134947											
												Earth electrode resistance 8134947											

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
1L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1L2	WATER HEATER 4	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
1L3	WATER HEATER 3	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
2L1	SERVICE AREA SOCKETS	E	B	4	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
2L2	WATER HEATER 1	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
2L3	WATER HEATER 2	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
3L1	DOUBLE DRYER	A	B	1	10	4	0.4	60898	C	50	10	-	0.35	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-
3L2	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3L3	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.17	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4L1	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.17	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4L2	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
4L3	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.19	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
5L1	TWIN SOCKET & FUSE SPUR	C	B	3	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.44	37	20	PASS	-	-
5L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 1 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 1			Supply BUSBAR BLOCK A - T01			Phases 1			Phase sequence confirmed PASS				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947							
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Z _s 0.07 Ω		I _n - ms		I _{pf} 2.9 kA		5I - ms									
			BS EN -		Rating 63		A		Nominal voltage 230 V																						
			RCD BS EN -		Poles -				Rating -		mA																				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.47	41	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.61	0.25	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.62	1.18	0.44	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	1.04	0.40	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.32	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.31	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.96	-	500	LIM	>299	PASS	1.03	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS													TEST INSTRUMENTS											
Designation DB 2 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 2			Supply BUSBAR BLOCK A - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit													Characteristics at board		RCD operating times									
BS EN 88-2			Rating 63		A		Nominal voltage 230		V		Z _s 0.08		Ω		In -		ms							
RCD BS EN -			Poles -		Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.47	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.49	0.20	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.69	0.93	0.39	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.59	1.03	0.41	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.29	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	19	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.58	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.30	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.27	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 3 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 3			Supply BUSBAR BLOCK A - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.08 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.42	41	15	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.43	0.47	0.20	-	500	LIM	>299	PASS	0.51	-	-	-	-	-			
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.57	0.97	0.38	-	500	LIM	>299	PASS	0.61	-	-	-	-	-			
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.49	0.81	0.33	-	500	LIM	>299	PASS	0.53	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.30	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.32	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.54	-	500	LIM	>299	PASS	0.62	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.87	-	500	LIM	>299	PASS	0.95	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.48	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 4 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 4			Supply BUSBAR BLOCK A - T04			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947							
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Z _s 0.07 Ω		I _n - ms		I _{pf} - kA		5I - ms									
			BS EN -		Rating 63		A		Nominal voltage 230 V																						
			RCD BS EN -		Poles -				Rating -		mA																				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.93	-	500	LIM	>299	PASS	1.0	-	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.35	0.83	0.30	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.58	0.92	0.38	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.58	0.91	0.37	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.27	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.22	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 5 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																		
Location FLAT 5			Supply BUSBAR BLOCK A - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																			
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.08		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.56	-	500	LIM	>299	PASS	0.64	31	14	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.29	0.29	0.63	0.23	-	500	LIM	>299	PASS	0.56	-	-	-	-	-	
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.59	0.95	0.39	-	500	LIM	>299	PASS	0.60	-	-	-	-	-	
4	BEDROOMS A & BRING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.49	0.83	0.33	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.57	-	500	LIM	>299	PASS	0.65	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.87	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 6 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 6			Supply BUSBAR BLOCK A - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.08		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.50	-	500	LIM	>299	PASS	0.58	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.60	0.22	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.52	0.90	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.54	0.92	0.35	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	1.0	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 7 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 7			Supply BUSBAR BLOCK A - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.09		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.49	-	500	LIM	>299	PASS	0.58	42	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.33	0.60	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.49	0.84	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.45	0.72	0.30	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.23	-	500	LIM	>299	PASS	1.32	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used													
DB 8 [PROTEK]			Supply			BUSBAR BLOCK A - T06						Supply polarity confirmed			-							Continuity		8134947				
Location			Phases			1			Phase sequence confirmed			-			Characteristics at board		RCD operating times		Insulation resistance		8134947							
FLAT 8			Overcurrent protective device for distribution circuit												Z _s		0.08 Ω		In		-		ms		RCD		8134947	
			BS EN			-			Rating			63 A			Nominal voltage			230 V			Earth fault loop impedance		8134947					
			RCD BS EN			-			Poles			-			Rating			-			mA		Earth electrode resistance		8134947			

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.04	-	500	LIM	>299	PASS	1.12	52	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.31	0.50	0.20	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.59	1.01	0.40	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.20	0.45	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.54	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.09	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 9 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 9			Supply BUSBAR BLOCK A - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.09		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.73	-	500	LIM	>299	PASS	0.82	52	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.50	0.20	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.68	1.03	0.42	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.47	0.78	0.32	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.57	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.38	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 10 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used							
Location FLAT 10				Supply BUSBAR BLOCK A - T07				Supply polarity confirmed -				Continuity 8134947											
				Phases 1 Phase sequence confirmed -				Characteristics at board RCD operating times				Insulation resistance 8134947											
				Overcurrent protective device for distribution circuit				Z _s 0.09 Ω In - ms				Earth fault loop impedance 8134947											
				BS EN - Rating 63 A Nominal voltage 230 V				I _{pf} - kA 5I - ms				RCD 8134947											
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance 8134947											

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	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.33	-	500	LIM	>299	PASS	0.42	41	19	PASS	-	-
3	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.53	0.95	0.37	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.51	0.86	0.34	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.53	-	500	LIM	>299	PASS	1.62	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.10	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
10	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.52	0.20	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 11 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 11			Supply BUSBAR BLOCK A - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947			Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			Rating			Nominal voltage			Z _s			In			RCD operating times		5I								
RCD BS EN			Poles			Rating			I _{pf}			5I													

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.45	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.57	0.21	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.74	0.28	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.44	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.74	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	KITCHEN COOKER ISOLATOR	A	B	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.39	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																				
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																	
BUSBAR BLOCK B			Supply			MAIN PANEL [DORMAN SMITH] - 2TP						Supply polarity confirmed			YES			Continuity			8134947											
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947								
BLOCK B RISER			Overcurrent protective device for distribution circuit												Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			8134947		
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947								
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			8134947					

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)	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
T01	Supply to DB 12 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T01	Supply to DB 13 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK B [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	80	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.08	-	-	-	-	-
T03	Supply to DB 14 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T03	Supply to DB 15 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T04	Supply to DB 16 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T04	Supply to DB 17 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 18 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 19 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 20 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 21 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.11	-	-	-	-	-
T07	Supply to DB 22 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-

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
T07	Supply to DB 23 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T08	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	LIM	-	-	-	-	
Engineer	ANTONY STEPHENSON			Date	17 Aug 2020			Signature																				
Position	APPROVED ELECTRICIAN			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 LANDLORD BLOCK B [D.SMITH DB08X]			Supply			BUSBAR BLOCK B - T02						Supply polarity confirmed			YES			Continuity			8134947																							
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947																				
BLOCK B RISER GND. FLOOR			Overcurrent protective device for distribution circuit												Z _s			0.08 Ω			In			- ms			Earth fault loop impedance			8134947														
			BS EN			-			Rating			80 A			Nominal voltage			400 V			RCD			8134947																				
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			1.37 kA			5I			-			ms			Earth electrode resistance			8134947		

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
1L1	STAIR LIGHTS FLOOR GROUND,1,2	A	E	28	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.89	-	500	LIM	>299	PASS	1.0	-	-	-	-	-
1L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.05	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
1L3	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
2L1	STAIR LIGHTS FLOOR 3,4,5	A	E	29	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.42	-	500	LIM	>299	PASS	1.63	-	-	-	-	-
2L2	TV AMP. 4TH. FLOOR RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
2L3	RING MAIN CLEANERS	A	E	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.37	1.40	2.40	0.94	-	500	LIM	>299	PASS	0.82	29	29	PASS	-	-
3L1	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
3L2	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
4L1	LIGHTING POINT FOR OAK TREE BLOCK B	F	E	1	2.5	2.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
4L2	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.01	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 12 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 12			Supply BUSBAR BLOCK B - T01			Phases 1			Phase sequence confirmed PASS				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.13 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	35	21	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.57	0.23	-	500	LIM	>299	PASS	0.44	-	-	-	-	-			
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.74	1.06	0.44	-	500	LIM	>299	PASS	0.63	-	-	-	-	-			
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.51	0.79	0.33	-	500	LIM	>299	PASS	0.47	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.29	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 13 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 13			Supply BUSBAR BLOCK B - T01			Phases 1			Phase sequence confirmed PASS				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.12 Ω		I _n - ms		I _{pf} 1.03 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	LOUNGE SOCKETS RADIAL	A	E	2	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.54	32	19	PASS	-	-			
2	KITCHEN HEATER AND SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.43	-	500	LIM	>299	PASS	0.63	-	-	-	-	-			
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.53	0.96	0.36	-	500	LIM	>299	PASS	0.46	-	-	-	-	-			
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.50	0.66	0.28	-	500	LIM	>299	PASS	0.43	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.34	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.33	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.90	-	500	LIM	>299	PASS	1.10	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.98	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.48	-	-	-	-	-			
10	KITCHEN SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.42	-	500	LIM	>299	PASS	0.62	-	-	-	-	-			
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN						

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 14 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 14			Supply BUSBAR BLOCK B - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.78	33	19	PASS	-	-
2	FRIDGE SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.16	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.60	0.97	0.39	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.53	0.95	0.36	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.72	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.10	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
10	KITCHEN SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 15 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 15			Supply BUSBAR BLOCK B - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times		5I					
RCD BS EN			Poles			Rating			mA			I _{pf}		kA		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.43	1.18	0.39	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.44	0.84	0.31	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.63	0.26	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.96	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation DB 16 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used						
Location FLAT 16			Supply BUSBAR BLOCK B - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity		8134947				
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63 A			Nominal voltage 230 V			Insulation resistance		8134947				
			RCD BS EN -			Poles -			Rating - mA			Characteristics at board		RCD operating times		Earth fault loop impedance		8134947			
												Z _s 0.12 Ω		I _n - ms		RCD		8134947			
												I _{pf} - kA		5I - ms		Earth electrode resistance		8134947			

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.33	0.52	0.20	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.46	0.71	0.29	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.59	0.94	0.37	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.17	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 17 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 17			Supply BUSBAR BLOCK B - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63			A		Nominal voltage 230		V		Earth fault loop impedance 8134947					
			RCD BS EN -			Poles -			Rating -			mA		Z _s 0.12		Ω		In -		ms		RCD 8134947	
																		Earth electrode resistance 8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	33	28	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.59	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.41	0.67	0.27	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.43	0.62	0.27	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.18	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS														TEST INSTRUMENTS							
Designation DB 18 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used							
Location FLAT 18				Supply BUSBAR BLOCK B - T05				Phases 1				Phase sequence confirmed -				Supply polarity confirmed -					
				Overcurrent protective device for distribution circuit				BS EN -				Rating 63				A Nominal voltage 230 V					
				RCD BS EN -				Poles -				Rating -				mA					
								Z _s 0.12 Ω				In -				ms					
								I _{pf} -				kA				5I -					
												RCD operating times				Insulation resistance 8134947					
																Earth fault loop impedance 8134947					
																RCD 8134947					
																Earth electrode resistance 8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.49	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.38	0.57	0.24	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.58	0.93	0.38	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.72	0.29	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 19 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 19			Supply BUSBAR BLOCK B - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 1.07		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	0.19	-	500	LIM	>299	PASS	0.38		15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.68	0.27	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.42	0.75	0.29	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.66	0.27	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.82	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.26	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING					
Position	APPROVED ELECTRICIAN					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 DB 20 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 20			Supply BUSBAR BLOCK B - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.13		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	4.5	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.54	34	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.54	0.22	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	0.91	0.37	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.43	0.70	0.28	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 21 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																		
Location FLAT 21			Supply BUSBAR BLOCK B - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																			
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.11		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	33	19	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.39	0.81	0.30	-	500	LIM	>299	PASS	0.47	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.39	0.80	0.30	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.09	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.79	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 22 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 22			Supply BUSBAR BLOCK B - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.45	31	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.41	0.79	0.30	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.50	0.77	0.31	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.71	0.27	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.79	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 23 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 23			Supply BUSBAR BLOCK B - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.12 Ω		In -		ms		
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.57	43	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.81	0.31	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.40	0.67	0.28	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.34	0.54	0.22	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.33	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																				
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																	
BUSBAR BLOCK C			Supply			MAIN PANEL [DORMAN SMITH] - 3TP						Supply polarity confirmed			YES			Continuity			8134947											
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947								
BLOCK C RISER			Overcurrent protective device for distribution circuit												Z _s			0.06 Ω			In			- ms			Earth fault loop impedance			8134947		
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947								
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			8134947					

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)	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
T01	Supply to DB 24 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T01	Supply to DB 26 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK C [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T03	Supply to DB 27 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T03	Supply to DB 28 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T03	Supply to DB 29 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T04	Supply to DB 30 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T04	Supply to DB 31 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T04	Supply to DB 32 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 33 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 34 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 35 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-

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
T06	Supply to DB 36 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 37 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 38 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T07	Supply to DB 39 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T07	Supply to DB 40 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T07	Supply to DB 41 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T08	Supply to DB 42 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T08	Supply to DB 43 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T08	Supply to DB 44 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-

Engineer **ANTONY STEPHENSON** Date **17 Aug 2020** Signature

Position **APPROVED ELECTRICIAN**

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 LANDLORD BLOCK C [D.SMITH DB08X]				Supply BUSBAR BLOCK C - T02				Supply polarity confirmed YES				Continuity 8134947																
Location				Phases 3 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board RCD operating times				Insulation resistance 8134947												
BLOCK C RISER GND. FLOOR				BS EN -		Rating 63 A		Nominal voltage 400 V		Z _s 0.07 Ω		In - ms		Earth fault loop impedance 8134947														
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 1.0 kA		5I - ms		RCD 8134947														
												Earth electrode resistance 8134947																
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)	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	STAIR LIGHTS FLOOR 4,5,6	A	E	28	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	1.01	-	500	LIM	>299	PASS	1.25	-	-	-	-	-
1L2	TV AMP. 4TH. FLOOR	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
1L3	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
2L1	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
2L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
2L3	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3L1	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	2.70	-	500	LIM	>299	PASS	2.94	-	-	-	-	-
3L2	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.73	1.74	2.94	1.17	-	500	LIM	>299	PASS	1.31	42	30	PASS	-	-
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
4L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.07	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 24 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 24			Supply BUSBAR BLOCK C - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.11 Ω		In - ms		I _{pf} 1.08 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.41	41	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.51	0.21	-	500	LIM	>299	PASS	0.72	-	-	-	-	-	
3	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.59	1.10	0.41	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
4	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.64	1.10	1.08	0.43	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.26	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.40	-	500	LIM	>299	PASS	0.61	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.94	-	500	LIM	>299	PASS	1.15	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.27	-	-	-	-	-	
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS														
Designation DB 26 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used											
Location FLAT 26			Supply BUSBAR BLOCK C - T01			Supply polarity confirmed YES			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity			8134947		
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63 A			Nominal voltage 230 V			Z _s 0.13 Ω			In - ms			Insulation resistance			8134947		
			RCD BS EN -			Poles -			Rating - mA			I _{pf} 0.01 kA			5I - ms			Earth fault loop impedance			8134947					
																		RCD			8134947					
																					Earth electrode resistance			8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.88	-	500	LIM	>299	PASS	1.09	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.58	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.68	1.25	0.49	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.49	0.77	0.32	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.09	-	500	LIM	>299	PASS	0.30	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.10	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.95	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.07	-	500	LIM	>299	PASS	1.28	-	-	-	-	-
9	DISABLED LIGHTS FLAT 25	A	E	4	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	0.51	-	500	LIM	>299	PASS	0.72	-	-	-	-	-
10	DISABLED UTILITY RING FLAT 25	A	E	7	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.38	0.63	0.26	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
11	DISABLED SOCKET RADIAL FLAT 25	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
12	DISABLED UTILITY FLAT 25	A	E	3	6	2.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.42	55	20	PASS	-	-
13	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.26	-	500	LIM	>299	PASS	0.47	-	-	-	-	-

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
14	DISABLED HOB FLAT 25	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.14	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
Engineer	ANTONY STEPHENSON			Date	17 Aug 2020			Signature																				
Position	APPROVED ELECTRICIAN			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 DB 27 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used							
Location FLAT 27				Supply BUSBAR BLOCK C - T03				Supply polarity confirmed -				Continuity		8134947							
				Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Insulation resistance		8134947							
				Overcurrent protective device for distribution circuit										Earth fault loop impedance		8134947					
				BS EN -		Rating 63		A		Nominal voltage 230		V		RCD		8134947					
				RCD BS EN -		Poles -		Rating -		mA		Z _s 0.11		Ω		In -		ms			
												I _{pf} -		kA		5I -		ms			
																		Earth electrode resistance		8134947	

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.10	34	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.72	0.28	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.63	0.59	0.89	0.38	-	500	LIM	>299	PASS	0.63	-	-	-	-	-	
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.53	0.74	0.32	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.13	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 28 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 28			Supply BUSBAR BLOCK C - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			-			Rating -			mA			I _{pf} 2.19		kA		5I _n -		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.07	-	-	LIM	>299	PASS	0.18	31.6	4.9	PASS	-	-
2	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.32	0.12	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
3	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.45	0.16	-	-	LIM	>299	PASS	0.27	-	-	-	-	-
4	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.08	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.41	-	-	LIM	>299	PASS	0.52	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS											TEST INSTRUMENTS																				
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN											Serial or asset numbers of test instruments used																
DB 29 [PROTEK]				Supply				BUSBAR BLOCK C - T03				Supply polarity confirmed			-			Continuity		8134947											
Location				Phases		1		Phase sequence confirmed				-			Characteristics at board		RCD operating times		Insulation resistance		8134947										
FLAT 29				Overcurrent protective device for distribution circuit											Earth fault loop impedance		8134947														
BS EN		-		Rating		63		A		Nominal voltage		230		V		Z_s		0.11 Ω		In		-		ms		RCD		8134947			
RCD BS EN		-		Poles		-		Rating		-		mA		I_{pf}		-		kA		5I		-		ms		Earth electrode resistance		8134947			

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)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.00	24	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.37	0.68	0.27	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.54	0.95	0.36	-	500	LIM	>299	PASS	0.48	-	-	-	-	-	
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.12	0.46	-	500	LIM	>299	PASS	0.66	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.48	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN															

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 30 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 30			Supply BUSBAR BLOCK C - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times							
RCD BS EN			Poles			Rating			mA			I _{pf}		5I										

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	33	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.25	0.22	0.49	0.18	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.51	0.91	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.51	0.75	0.31	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 31 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 31			Supply BUSBAR BLOCK C - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 2.19		kA		5I _n -		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	34.6	11.7	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.31	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.21	0.21	0.33	0.13	-	-	LIM	>299	PASS	0.25	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.38	-	-	LIM	>299	PASS	0.49	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING										
Position	APPROVED ELECTRICIAN					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 DB 32 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 32			Supply BUSBAR BLOCK C - T04			Supply polarity confirmed -			Continuity		8134947			Insulation resistance		8134947									
			Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Earth fault loop impedance		8134947												
			Overcurrent protective device for distribution circuit										RCD		8134947										
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12		Ω		In -		ms		Earth electrode resistance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	53	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.39	0.61	0.24	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.54	1.13	0.41	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.53	1.00	0.39	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING									
Position	APPROVED ELECTRICIAN					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 DB 33 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 33			Supply BUSBAR BLOCK C - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.12		Ω		In		-		ms					
RCD BS EN			-			Poles			-			Rating			-			mA		I_{pf}		-		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.48	33	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.43	0.65	0.28	-	500	LIM	>299	PASS	0.44	-	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.56	0.88	0.35	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.43	0.73	0.29	-	500	LIM	>299	PASS	0.58	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.07	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 34 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used									
Location FLAT 34			Supply BUSBAR BLOCK C - T05			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -			Characteristics at board RCD operating times			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
			Overcurrent protective device for distribution circuit						Z _s 0.12 Ω In - ms			I _{pf} 2.23 kA 5I - ms												
			BS EN - Rating 63 A Nominal voltage 230 V		RCD BS EN - Poles - Rating - mA																			

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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.08	-	-	LIM	>299	PASS	0.20	23.8	4.7	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.17	0.17	0.30	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.17	0.17	0.28	0.10	-	-	LIM	>299	PASS	0.22	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	-	LIM	>299	PASS	0.64	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 35 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 35			Supply BUSBAR BLOCK C - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	-	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.78	0.31	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
3	BEDROOMS A, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.64	1.15	2.86	-	500	LIM	>299	PASS	0.82	-	-	-	-	-
4	BEDROOMS B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.75	0.31	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.17	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 36 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 36			Supply BUSBAR BLOCK C - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity		8134947							
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63 A			Nominal voltage 230 V			Characteristics at board		RCD operating times		Insulation resistance		8134947		
			RCD BS EN -			Poles -			Rating - mA			Z _s 0.13 Ω		In - ms		Earth fault loop impedance		8134947					
												I _{pf} - kA		5I - ms		RCD		8134947					
																Earth electrode resistance		8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.49	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.38	0.65	0.25	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.43	0.76	0.30	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.55	0.98	0.39	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 37 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 37			Supply BUSBAR BLOCK C - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			-			Rating -			mA			I _{pf} 1.78		kA		5I _n -		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.75	-	-	LIM	>299	PASS	0.88	33	8	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.17	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.21	0.21	0.34	0.13	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.24	0.24	0.39	0.15	-	-	LIM	>299	PASS	0.28	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.37	-	-	LIM	>299	PASS	0.50	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 38 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 38			Supply BUSBAR BLOCK C - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.59	41	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.75	0.29	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.47	0.79	0.32	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.66	1.04	0.43	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 39 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 39			Supply BUSBAR BLOCK C - T07			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.13 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	19	PASS	-	-		
2	DINING AREA HEATER AND SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.57	-	-	-	-	-		
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.59	0.87	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-		
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.45	0.75	0.30	-	500	LIM	>299	PASS	0.47	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.12	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-		
10	KITCHEN AREA SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	20	6	-	1.75	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 40 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 40			Supply BUSBAR BLOCK C - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 1.68		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.62	-	-	LIM	>299	PASS	0.76	32	8	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.18	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.23	0.23	0.38	0.15	-	-	LIM	>299	PASS	0.29	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.31	0.12	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.36	-	-	LIM	>299	PASS	0.50	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING										
Position	APPROVED ELECTRICIAN					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 DB 41 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 41			Supply BUSBAR BLOCK C - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.40	0.65	0.26	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.60	0.92	0.38	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.42	0.71	0.28	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.02	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 42 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 42			Supply BUSBAR BLOCK C - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.71	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.49	0.67	0.28	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.52	0.76	0.33	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.70	0.29	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.52	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation DB 43 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used								
Location FLAT 43			Supply BUSBAR BLOCK C - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES		Continuity 8134947		Insulation resistance 8134947					
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947		RCD 8134947		
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.13 Ω		In - ms		Earth electrode resistance 8134947				
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} 1.76 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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.78	-	-	LIM	>299	PASS	0.91	34	15	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.17	-	-	-	-	-
3	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.24	0.24	0.39	0.16	-	-	LIM	>299	PASS	0.29	-	-	-	-	-
4	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.32	0.13	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.35	-	-	LIM	>299	PASS	0.48	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 44 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 44			Supply BUSBAR BLOCK C - T08			Supply polarity confirmed -			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity		8134947	
			Overcurrent protective device for distribution circuit										Z _s 0.11 Ω			In - ms			Insulation resistance		8134947			
			BS EN -			Rating 63 A			Nominal voltage 230 V			I _{pf} - kA			5I - ms			Earth fault loop impedance		8134947				
			RCD BS EN -			Poles -			Rating - mA									RCD		8134947				
																		Earth electrode resistance		8134947				

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	UNUSED	-	-	-	-	-	-	61009	B	16	6	30	2.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.42	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN & EXTERNAL SIGN	A	E	13	2.5	1.5	0.4	61009	B	32	6	30	1.1	0.56	0.55	0.99	0.39	-	500	LIM	>299	PASS	0.52	21	28	PASS	-	
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.34	0.65	0.25	-	500	LIM	>299	PASS	0.36	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.13	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.69	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	
10	KITCHEN SOCKET RADIAL	A	E	3	4	1.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	
11	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	-	LIM	>299	PASS	0.51	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																			
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																																
BUSBAR BLOCK D			Supply			MAIN PANEL [DORMAN SMITH] - 4TP						Supply polarity confirmed			YES			Continuity			8134947																										
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947																							
BLOCK D RISER			Overcurrent protective device for distribution circuit												Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			8134947																	
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947																							
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			-			kA			5I			-			ms			Earth electrode resistance			8134947		

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)	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
T01	Supply to DB 45 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T01	Supply to DB 46 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.02	-	-	LIM	>299	PASS	0.09	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK D [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T03	Supply to DB 47 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.02	-	-	LIM	>299	PASS	0.09	-	-	-	-	-
T03	Supply to DB 48 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T04	Supply to DB 49 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T04	Supply to DB 50 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T05	Supply to DB 51 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T05	Supply to DB 52 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T06	Supply to DB 53 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T06	Supply to DB 54 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T07	Supply to DB 55 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-

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		
T07	Supply to DB 56 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-		
T08	Supply to DB 57 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-		
T08	Supply to DB 58 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-		
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.04	-	-	LIM	>299	PASS	0.11	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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 MISC mineral insulated cables C PVC cables in non-metallic conduit F PVC/SWA cables I Other										
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB LANDLORD BLOCK D [D.SMITH DB08X]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used									
Location BLOCK D RISER GND. FLOOR				Supply BUSBAR BLOCK D - T02				Supply polarity confirmed YES				Continuity		8134947											
				Phases 3 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board		RCD operating times		Insulation resistance		8134947							
				BS EN -		Rating 63 A		Nominal voltage 400 V		Z _s 0.07 Ω		In - ms		Earth fault loop impedance		8134947									
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 1.08 kA		5I - ms		RCD		8134947									
														Earth electrode resistance		8134947									

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
1L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1L2	STAIR LIGHTS FLOOR 4,5,6	A	E	28	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.85	-	500	LIM	>299	PASS	1.10	-	-	-	-	
1L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	
2L1	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.31	-	-	-	-	
2L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	
2L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.05	-	500	LIM	>299	PASS	0.29	-	-	-	-	
3L1	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.15	-	500	LIM	>299	PASS	0.40	-	-	-	-	
3L2	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.55	1.57	1.79	1.03	-	500	LIM	>299	PASS	1.52	39	29	PASS	-	
3L3	LIGHT RISER	A	E	1	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.03	-	500	LIM	>299	PASS	0.28	-	-	-	-	
4L1	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.11	-	500	LIM	>299	PASS	0.36	-	-	-	-	
4L2	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	2.00	-	500	LIM	>299	PASS	2.25	-	-	-	-	
4L3	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.07	-	500	LIM	>299	PASS	0.32	-	-	-	-	
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 45 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 45			Supply BUSBAR BLOCK D - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times		ms					
RCD BS EN			Poles			Rating			mA			I _{pf}		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.70	19	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.36	1.69	2.7	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.45	1.55	0.81	-	500	LIM	>299	PASS	0.86	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.61	1.15	0.44	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.81	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.11	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 46 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 46			Supply BUSBAR BLOCK D - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit																									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.09		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 1.69		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.19	-	500	LIM	>299	PASS	0.33	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.31	0.53	0.20	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.25	0.49	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.21	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.09	-	500	LIM	>299	PASS	1.23	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.77	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.25	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN							

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 47 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 47			Supply BUSBAR BLOCK D - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.09 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.93	32	15	PASS	-	-		
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.41	0.65	0.27	-	500	LIM	>299	PASS	0.40	-	-	-	-	-		
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.98	0.57	0.82	0.45	-	500	LIM	>299	PASS	0.40	-	-	-	-	-		
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.66	0.62	0.97	0.41	-	500	LIM	>299	PASS	0.51	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.80	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.94	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation DB 48 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																															
Location FLAT 48			Supply BUSBAR BLOCK D - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947							
Overcurrent protective device for distribution circuit			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.07		Ω		In -		ms		Z _s		0.07		Ω		In		-		ms		I _{pf}		2.77		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.47	24	14	PASS	-	-								
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.45	0.60	0.26	-	500	LIM	>299	PASS	0.37	-	-	-	-	-								
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.71	1.04	0.43	-	500	LIM	>299	PASS	0.63	-	-	-	-	-								
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.27	-	500	LIM	>299	PASS	0.35	-	-	-	-	-								
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-								
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.85	-	-	-	-	-								
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	-	-	-	-	-								
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-								
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN							

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 49 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 49			Supply BUSBAR BLOCK D - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	44	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.38	0.62	0.24	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.58	1.0	0.39	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.80	0.79	1.45	0.56	-	500	LIM	>299	PASS	0.79	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.80	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.62	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 50 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 50			Supply BUSBAR BLOCK D - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times		5I					
-			63						230			0.14		-		ms								
RCD BS EN			Poles			Rating			I _{pf}			-		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.87	-	500	LIM	>299	PASS	0.98	34	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.31	0.72	0.26	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.74	0.71	1.09	0.46	-	500	LIM	>299	PASS	0.74	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.42	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.22	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																											
Designation DB 51 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																							
Location FLAT 51				Supply BUSBAR BLOCK D - T05				Phases 1				Phase sequence confirmed -				Supply polarity confirmed -				Continuity 8134947																			
				Overcurrent protective device for distribution circuit				BS EN -				Rating 63				A				Nominal voltage 230				V				Insulation resistance 8134947											
				RCD BS EN -				Poles -				Rating -				mA				Z _s 0.15				Ω				In -				ms				Earth fault loop impedance 8134947			
																												RCD 8134947				Earth electrode resistance 8134947							

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	31	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.36	0.57	0.23	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.57	0.93	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.03	0.41	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.39	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.22	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN																

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 52 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 52			Supply BUSBAR BLOCK D - T05			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Earth fault loop impedance		RCD		Earth electrode resistance					
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 3.22		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.86	-	500	LIM	>299	PASS	0.93	30	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.55	0.21	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.56	1.01	0.39	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.08	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.62	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation DB 53 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																															
Location FLAT 53			Supply BUSBAR BLOCK D - T06			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947							
Overcurrent protective device for distribution circuit			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.13		Ω		In -		ms		Z _s		0.13		Ω		In		-		ms		I _{pf}		3.35		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.75	-	500	LIM	>299	PASS	0.82	34	20	PASS	-	-							
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.25	0.25	0.51	0.19	-	500	LIM	>299	PASS	0.34	-	-	-	-								
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.37	0.63	0.24	-	500	LIM	>299	PASS	0.43	-	-	-	-								
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.50	0.91	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-								
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-								
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.21	-	-	-	-								
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.59	-	-	-	-								
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	-	-	-	-								
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.35	-	-	-	-								
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 54 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 54			Supply BUSBAR BLOCK D - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times		5I					
-			63						230			0.15		-										
RCD BS EN			Poles			Rating			I _{pf}			-		-										
-			-			-			-			-		-										

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.94	40	18	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.29	0.43	0.18	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.72	0.72	1.10	0.45	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.89	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																										
Designation DB 55 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																									
Location FLAT 55			Supply BUSBAR BLOCK D - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947					
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times																
BS EN -			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		In -		ms		Z _s 0.15		Ω		In -		ms		I _{pf} -		kA		5I -		ms	
RCD BS EN -			Poles -			Rating -			mA			Z _s 0.15		Ω		In -		ms		I _{pf} -		kA		5I -		ms		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	53	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.30	0.65	0.24	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.47	0.87	0.34	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.59	1.04	0.41	-	500	LIM	>299	PASS	0.65	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.96	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																							
Designation DB 56 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																			
Location FLAT 56				Supply BUSBAR BLOCK D - T07				Phases 1				Phase sequence confirmed -				Supply polarity confirmed YES				Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947							
Overcurrent protective device for distribution circuit												BS EN -				Rating 63		A		Nominal voltage 230		V		Z _s 0.16		Ω		In -		ms					
RCD BS EN -												Poles -		Rating -		mA		I _{pf} 3.16		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 (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	KITCHEN SOCKETS RADIAL	A	E	5	4	1.5	0.4	61009	C	32	6	30	0.54	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	21	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	4	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.26	0.28	0.42	0.17	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.69	0.70	1.03	0.43	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.79	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 57 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 57			Supply BUSBAR BLOCK D - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times							
RCD BS EN			Poles			Rating			mA			I _{pf}		5I										

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.91	33	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.30	0.52	0.20	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.50	1.03	0.38	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.54	0.85	2000	-	500	LIM	>299	PASS	0.70	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.77	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.32	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 58 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 58			Supply BUSBAR BLOCK D - T08			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.76 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	6	30	0.54	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	19	19	PASS	-	-		
2	KITCHEN RING MAIN	A	E	4	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.28	0.49	0.20	-	500	LIM	>299	PASS	0.36	-	-	-	-	-		
3	BEDROOMS A, B & C RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.57	1.05	0.40	-	500	LIM	>299	PASS	0.58	-	-	-	-	-		
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.22	-	-	-	-	-		
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.23	-	-	-	-	-		
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.21	-	500	LIM	>299	PASS	1.29	-	-	-	-	-		
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.88	-	-	-	-	-		
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-		
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																													
BUSBAR BLOCK E			Supply			MAIN PANEL [DORMAN SMITH] - 5TP						Supply polarity confirmed			YES			Continuity			8134947																							
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947																				
BLOCK E RISER			Overcurrent protective device for distribution circuit												Z _s			0.10 Ω			In			- ms			Earth fault loop impedance			8134947														
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947																				
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			6.4 kA			5I			-			ms			Earth electrode resistance			8134947		

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
T01	FLAT 59 (supply to DB 59 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.11	-	-	-	-	-
T01	FLAT 60 (supply to DB 60 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.11	-	-	-	-	-
T02	LANDLORD (supply to DB LANDLORD BLOCK E [D.SMITH DB08X])	F	E	1	25	SWA	5	-	-	80	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.11	-	-	-	-	-
T03	61 (supply to DB 61 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
T03	62 (supply to DB 62 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.17	-	-	-	-	-
T04	63 (supply to DB 63 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T04	64 (supply to DB 64 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T05	65 (supply to DB 65 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.05	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T05	66 (supply to DB 66 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.04	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T06	67 (supply to DB 67 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T06	68 (supply to DB 68 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.18	-	-	-	-	-
T07	69 (supply to DB 69 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-

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
T07	70 (supply to DB 70 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T08	71 (supply to DB 71 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.05	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T08	72 (supply to DB 72 [PROTEK])	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.05	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.03	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																											

BOARD CHARACTERISTICS														TEST INSTRUMENTS																							
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																							
DB LANDLORD BLOCK E [D.SMITH DB08X]				Supply				BUSBAR BLOCK E - T02						Supply polarity confirmed				YES																			
Location				Phases		3		Phase sequence confirmed				PASS				Characteristics at board		RCD operating times		Continuity		8134947															
BLOCK E RISER GND. FLOOR				Overcurrent protective device for distribution circuit										Z _s		0.11 Ω		In		-		ms		Insulation resistance		8134947											
				BS EN		-		Rating		80		A		Nominal voltage		400		V		I _{pf}		1.06		kA		5I		-		ms		RCD		8134947			
				RCD BS EN		-		Poles		-				Rating		-		mA														Earth electrode resistance		8134947			
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									
1L1	STAIR LIGHTS FLOOR GROUND,1,2	A	E	27	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	1.41	-	500	LIM	>299	PASS	1.68	-	-	-	-	-									
1L2	STAIR LIGHTS FLOOR 3,4,5,6	A	E	37	1.5	1	0.4	60898	B	10	10	-	3.5	-	-	-	2.56	-	500	LIM	>299	PASS	2.83	-	-	-	-	-									
1L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-									
2L1	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-									
2L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.33	-	-	-	-	-									
2L3	TV AMP 4TH FLOOR	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.49	-	-	-	-	-									
3L1	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.43	1.44	2.48	0.98	-	500	LIM	>299	PASS	1.21	39	29	PASS	-	-									
3L2	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.18	-	500	LIM	>299	PASS	0.45	-	-	-	-	-									
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.31	-	-	-	-	-									
4L1	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.08	-	500	LIM	>299	PASS	0.35	-	-	-	-	-									
4L2	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.31	-	-	-	-	-									
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 59 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 59			Supply BUSBAR BLOCK E - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.11		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	41	14	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.58	0.22	-	500	LIM	>299	PASS	0.48	-	-	-	-	-	
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.62	0.90	0.36	-	500	LIM	>299	PASS	0.61	-	-	-	-	-	
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.70	0.27	-	500	LIM	>299	PASS	0.55	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 60 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 60			Supply BUSBAR BLOCK E - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit																									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.11		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 2.5		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.78	-	-	LIM	>299	PASS	0.89	31.0	14.0	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.32	0.32	0.54	0.21	-	-	LIM	>299	PASS	0.32	-	-	-	-	-
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.67	0.26	-	-	LIM	>299	PASS	0.37	-	-	-	-	-
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.48	0.78	0.28	-	-	LIM	>299	PASS	0.39	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.12	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	-	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.86	-	-	LIM	>299	PASS	0.97	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.91	-	-	LIM	>299	PASS	1.02	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	-	LIM	>299	PASS	0.20	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 61 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 61			Supply BUSBAR BLOCK E - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.19		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.93	32	18	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.27	0.33	0.45	0.18	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.50	0.86	0.34	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.40	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.92	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 62 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 62			Supply BUSBAR BLOCK E - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.17 Ω		In - ms		I _{pf} 0.99 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.83	-	500	LIM	>299	PASS	1.09	33	20	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.41	0.65	0.27	-	500	LIM	>299	PASS	0.58	-	-	-	-	-			
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.79	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-			
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.48	0.83	0.33	-	500	LIM	>299	PASS	0.57	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.32	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.03	-	500	LIM	>299	PASS	0.29	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.37	-	500	LIM	>299	PASS	0.63	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.85	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.42	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 63 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 63			Supply BUSBAR BLOCK E - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.53		14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.29	0.30	0.48	0.19	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
3	BEDROOMS C,D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.62	1.26	0.45	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.43	0.71	0.28	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.92	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 64 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 64			Supply BUSBAR BLOCK E - T04			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.16		Ω		In -		ms									
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.0	42	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.32	0.54	0.16	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.53	0.51	1.04	0.60	-	500	LIM	>299	PASS	0.78	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.64	0.26	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.71	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.11	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 65 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 65			Supply BUSBAR BLOCK E - T05			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.1 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.26	-	-	LIM	>299	PASS	0.38	18.6	18.5	PASS	-	-		
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.34	0.56	0.27	-	-	LIM	>299	PASS	0.39	-	-	-	-	-		
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.60	0.24	-	-	LIM	>299	PASS	0.36	-	-	-	-	-		
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.79	0.36	-	-	LIM	>299	PASS	0.48	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	-	LIM	>299	PASS	0.25	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.85	-	-	LIM	>299	PASS	0.97	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.98	-	-	LIM	>299	PASS	1.10	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	-	LIM	>299	PASS	0.21	-	-	-	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 66 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 66			Supply BUSBAR BLOCK E - T05			Supply polarity confirmed -			Continuity		8134947			Insulation resistance		8134947									
			Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Earth fault loop impedance		8134947												
			Overcurrent protective device for distribution circuit										RCD		8134947										
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.14		Ω		In -		ms		Earth electrode resistance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	24	12	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.67	0.26	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.80	0.32	-	500	LIM	>299	PASS	0.60	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.78	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.90	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 67 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 67			Supply BUSBAR BLOCK E - T06			Supply polarity confirmed -			Continuity		8134947			Insulation resistance		8134947									
			Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Earth fault loop impedance		8134947												
			Overcurrent protective device for distribution circuit										RCD		8134947										
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.16		Ω		In -		ms		Earth electrode resistance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} -		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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	31	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.32	0.32	0.57	0.22	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.35	0.73	0.27	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.66	0.26	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 68 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 68			Supply BUSBAR BLOCK E - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.18		Ω		In -		ms							
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	42	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.58	0.23	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
3	BEDROOMS C,D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.00	0.40	-	500	LIM	>299	PASS	0.62	-	-	-	-	-	
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.48	0.85	0.34	-	500	LIM	>299	PASS	0.62	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 69 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 69			Supply BUSBAR BLOCK E - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.01	41	14	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.60	0.22	-	500	LIM	>299	PASS	0.55	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.34	0.57	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-	
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.50	0.80	0.32	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.85	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 70 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 70			Supply BUSBAR BLOCK E - T07			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} 0.98		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.24	-	500	LIM	>299	PASS	0.50		15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.58	0.23	-	500	LIM	>299	PASS	0.53	-	-	-	-	-	
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.80	0.30	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.54	1.03	0.40	-	500	LIM	>299	PASS	0.66	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.10	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.12	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.41	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.86	-	500	LIM	>299	PASS	1.12	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 71 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 71			Supply BUSBAR BLOCK E - T08			Supply polarity confirmed -			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity		8134947	
			Overcurrent protective device for distribution circuit										Z _s 0.15 Ω			In - ms			Insulation resistance		8134947			
			BS EN -			Rating 63 A			Nominal voltage 230 V			I _{pf} - kA			5I - ms			Earth fault loop impedance		8134947				
			RCD BS EN -			Poles -			Rating - mA									RCD		8134947				
																		Earth electrode resistance		8134947				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.98	-	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.39	0.57	0.23	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.48	0.68	0.29	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.44	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.12	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 72 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used									
Location FLAT 72			Supply BUSBAR BLOCK E - T08			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947			
			Overcurrent protective device for distribution circuit										Z _s 0.15 Ω		In - ms		Insulation resistance		8134947			
			BS EN -		Rating 63		A		Nominal voltage 230 V		I _{pf} 0.92 kA		5I - ms		Earth fault loop impedance		8134947					
			RCD BS EN -		Poles -		Rating -		mA						RCD		8134947					
															Earth electrode resistance		8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.29	-	500	LIM	>299	PASS	0.58	33	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.40	0.57	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.39	0.58	0.24	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.79	0.30	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.07	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.50	-	500	LIM	>299	PASS	0.76	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.93	-	500	LIM	>299	PASS	1.22	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.18	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																													
BUSBAR BLOCK F			Supply			MAIN PANEL [DORMAN SMITH] - 6TP						Supply polarity confirmed			YES			Continuity			8134947																							
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947																				
BLOCK F RISER			Overcurrent protective device for distribution circuit												Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			8134947														
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947																				
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			7.1 kA			5I			-			ms			Earth electrode resistance			8134947		

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)	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
T01	Supply to DB 73 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T01	Supply to DB 74 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK F [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.08	-	-	-	-	-
T03	Supply to DB 75 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T03	Supply to DB 76 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T04	Supply to DB 77 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T04	Supply to DB 78 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T05	Supply to DB 79 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T05	Supply to DB 80 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T06	Supply to DB 81 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T06	Supply to DB 82 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T07	Supply to DB 83 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-

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
T07	Supply to DB 84 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T08	Supply to DB 85 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T08	Supply to DB 86 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.04	-	-	LIM	>299	PASS	0.11	-	-	-	-	-
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																											

BOARD CHARACTERISTICS												TEST INSTRUMENTS														
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used											
DB LANDLORD BLOCK F [D.SMITH DB08X]			Supply			BUSBAR BLOCK F - T02			Supply polarity confirmed			YES			Continuity		8134947									
Location			Phases			3			Phase sequence confirmed			PASS			Insulation resistance		8134947									
BLOCK F RISER GND. FLOOR			Overcurrent protective device for distribution circuit												Earth fault loop impedance		8134947									
			BS EN			-			Rating			63 A			Nominal voltage			400 V			RCD		8134947			
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance		8134947
			Z _s			0.08 Ω			In			-			ms											
			I _{pf}			1.0 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 (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
1L1	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	3.05	-	500	LIM	>299	PASS	3.28	-	-	-	-	-
1L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
1L3	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
2L1	STAIR LIGHTS FLOOR 4,5,6	A	E	26	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	1.02	-	500	LIM	>299	PASS	1.25	-	-	-	-	-
2L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.29	-	-	-	-	-
2L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
3L1	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.44	1.44	2.34	0.94	-	500	LIM	>299	PASS	1.08	39	29	PASS	-	-
3L2	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
3L3	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
4L1	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 73 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 73			Supply BUSBAR BLOCK F - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 3.82		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.82	-	500	LIM	>299	PASS	0.88	31	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.43	0.18	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.75	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.53	0.89	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.51	-	500	LIM	>299	PASS	1.57	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.93	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.27	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS																													
Designation DB 74 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																												
Location FLAT 74			Supply BUSBAR BLOCK F - T01			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.14 Ω		In - ms		I _{pf} 3.85 kA		5I - ms																							
			BS EN -		Rating 63		A		Nominal voltage 230 V																																
			RCD BS EN -		Poles -				Rating -		mA																														

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.98	-	500	LIM	>299	PASS	1.04	42	15	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.37	0.59	0.25	-	500	LIM	>299	PASS	0.38	-	-	-	-	-			
3	BEDROOM A, B & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.77	0.77	1.14	0.48	-	500	LIM	>299	PASS	0.43	-	-	-	-	-			
4	BEDROOMS D & C RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.45	0.45	0.79	2000	-	500	LIM	>299	PASS	0.67	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.39	-	500	LIM	>299	PASS	0.45	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.17	-	500	LIM	>299	PASS	0.23	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.78	-	500	LIM	>299	PASS	1.84	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.32	-	500	LIM	>299	PASS	1.38	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.23	-	500	LIM	>299	PASS	0.29	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 75 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 75			Supply BUSBAR BLOCK F - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.13		Ω		In -		ms							
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.90	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.46	0.18	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.45	1.65	0.25	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.62	0.90	0.37	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.49	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 76 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 76			Supply BUSBAR BLOCK F - T03			Supply polarity confirmed -			Continuity		8134947			Insulation resistance		8134947									
			Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Earth fault loop impedance		8134947												
			Overcurrent protective device for distribution circuit										RCD		8134947										
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.14		Ω		In -		ms		Earth electrode resistance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	58	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.56	0.22	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.60	1.04	0.41	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
4	BEDROOMS A, B & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.20	0.48	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	2.43	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	3.29	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 77 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 77			Supply BUSBAR BLOCK F - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.83	33	19	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.55	0.70	0.32	-	500	LIM	>299	PASS	0.41	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.47	1.02	0.36	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.48	0.87	0.35	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.26	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.76	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.46	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 78 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																												
Location FLAT 78			Supply BUSBAR BLOCK F - T04			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.14 Ω		In - ms		I _{pf} 2.12 kA		5I - ms																							
			BS EN -		Rating 63 A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating - mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.82	-	500	LIM	>299	PASS	0.93	41	18	PASS	-	-		
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.38	0.38	0.56	0.23	-	500	LIM	>299	PASS	0.40	-	-	-	-	-		
3	BEDROOMS A & E RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.46	0.81	0.32	-	500	LIM	>299	PASS	0.44	-	-	-	-	-		
4	BEDROOMS B, C & D RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.49	0.81	0.32	-	500	LIM	>299	PASS	0.56	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.24	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.30	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.05	-	500	LIM	>299	PASS	1.16	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	2.0	-	500	LIM	>299	PASS	2.11	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.13	-	500	LIM	>299	PASS	0.24	-	-	-	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																	
Designation DB 79 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used													
Location FLAT 79				Supply BUSBAR BLOCK F - T05				Phases 1 Phase sequence confirmed -				Overcurrent protective device for distribution circuit				Supply polarity confirmed -				Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
				BS EN -		Rating 63 A		Nominal voltage 230 V		RCD operating times		Z _s 0.15 Ω		In - ms		I _{pf} - kA		5I - ms											
				RCD BS EN -		Poles -		Rating - mA																					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.85	33	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.51	0.20	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.47	0.66	0.29	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.34	0.65	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.98	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.30	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																							
Designation DB 80 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																			
Location FLAT 80				Supply BUSBAR BLOCK F - T05				Phases 1				Phase sequence confirmed -				Supply polarity confirmed YES				Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947							
Overcurrent protective device for distribution circuit												BS EN -				Rating 63		A		Nominal voltage 230		V		Z _s 0.14		Ω		In -		ms					
RCD BS EN -												Poles -		Rating -		mA		I _{pf} 3.01		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.02	-	500	LIM	>299	PASS	1.10	43	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.37	0.62	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS B,C,D RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.61	0.98	0.39	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
4	BEDROOMS A,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.57	0.85	0.35	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.16	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.99	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.50	-	500	LIM	>299	PASS	1.58	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.18	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																							
Designation DB 81 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																						
Location FLAT 81			Supply BUSBAR BLOCK F - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947												
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times													
BS EN			-			Rating			63			A			Nominal voltage			230			V			Z _s		0.14		Ω		In		-		ms	
RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}		-		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.29	38	28	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.46	0.18	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.67	0.26	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.57	0.22	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 82 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used															
Location FLAT 82				Supply BUSBAR BLOCK F - T06				Supply polarity confirmed YES				Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947	
				Phases 1 Phase sequence confirmed -				Overcurrent protective device for distribution circuit				Characteristics at board		RCD operating times																	
				BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.15		Ω		In -		ms											
				RCD BS EN -		Poles -				Rating -		mA		I _{pf} 2.0		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.97	-	500	LIM	>299	PASS	1.08	34	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.34	0.54	0.23	-	500	LIM	>299	PASS	0.43	-	-	-	-	-	
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.64	0.93	0.39	-	500	LIM	>299	PASS	0.48	-	-	-	-	-	
4	BEDROOMS D,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.66	1.04	0.42	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.31	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.26	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.88	-	500	LIM	>299	PASS	0.99	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.12	-	500	LIM	>299	PASS	0.23	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 83 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used									
Location FLAT 83			Supply BUSBAR BLOCK F - T07			Supply polarity confirmed -			Phases 1 Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity		8134947		
			Overcurrent protective device for distribution circuit										Z _s 0.15 Ω			In - ms			Insulation resistance		8134947	
			BS EN - Rating 63 A Nominal voltage 230 V						I _{pf} - kA			5I - ms			Earth fault loop impedance		8134947					
			RCD BS EN - Poles - Rating - mA												RCD		8134947					
															Earth electrode resistance		8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	35	7	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.47	0.19	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.46	0.75	0.30	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
4	BEDROOMS D,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.53	0.76	0.32	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.17	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.04	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 84 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used									
Location FLAT 84				Supply BUSBAR BLOCK F - T07				Supply polarity confirmed YES				Characteristics at board				RCD operating times				Continuity		8134947			
				Phases 1 Phase sequence confirmed -				Overcurrent protective device for distribution circuit				Z _s 0.15 Ω In - ms				I _{pf} 2.28 kA 5I - ms				Insulation resistance		8134947			
				BS EN - Rating 63 A Nominal voltage 230 V																Earth fault loop impedance		8134947			
				RCD BS EN - Poles - Rating - mA																RCD		8134947			
																				Earth electrode resistance		8134947			

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.79	-	500	LIM	>299	PASS	0.89	34	28	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.36	0.65	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS A,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.48	0.88	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
4	BEDROOMS B,C,D RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	0.86	0.35	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.09	-	500	LIM	>299	PASS	1.19	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.15	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 85 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used									
Location FLAT 85			Supply BUSBAR BLOCK F - T08			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947			
			Overcurrent protective device for distribution circuit										Z _s 0.16 Ω		In - ms		Insulation resistance		8134947			
			BS EN -		Rating 63		A		Nominal voltage 230 V		I _{pf} 3.21 kA		5I - ms		Earth fault loop impedance		8134947					
			RCD BS EN -		Poles -		Rating -		mA						RCD		8134947					
															Earth electrode resistance		8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.87	-	500	LIM	>299	PASS	0.94	31	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.94	0.31	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.38	0.39	0.59	0.24	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.39	0.66	0.27	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.17	-	500	LIM	>299	PASS	1.24	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	500	LIM	>299	PASS	0.16	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 86 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 86			Supply BUSBAR BLOCK F - T08			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.14 Ω		In - ms		I _{pf} 3.03 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.02	-	500	LIM	>299	PASS	1.10	43	15	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.28	1.31	0.35	-	500	LIM	>299	PASS	0.49	-	-	-	-	-			
3	BEDROOMS B, C & D RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.51	0.95	0.37	-	500	LIM	>299	PASS	0.47	-	-	-	-	-			
4	BEDROOMS A & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.54	0.59	0.27	-	500	LIM	>299	PASS	0.36	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.21	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.22	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.30	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.44	-	500	LIM	>299	PASS	1.52	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	500	LIM	>299	PASS	0.17	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

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 17 Aug 2020

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

Occupier CLODIEN HOUSE CARDIFF Address CLODIEN HOUSE
 CLODIEN AVENUE
 CARDIFF
 MID GLAMORGAN
 CF14 3NS

Description of premises: Domestic Commercial Industrial Other -

Estimated age of the installation 20 years Evidence of additions/alterations If yes, estimated age 7 years

Installation records available? (Regulation 651.1) Date of last inspection 02 Jul 2009

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 the reasons (see Regulation 653.2)

1	INSULATION RESISTANCE TESTING LIMITED TO LIVE CONDUCTORS TO EARTH ONLY.
2	The primary overcurrent device for the installation is unknown.
3	Inspection Schedule Item 2.1: Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6).
4	Inspection Schedule Item 2.2: Adequate arrangements where a generating set operates in parallel with the public supply (551.7).
5	Inspection Schedule Item 4.7: Operation of main switch (functional check)(643.10).
6	Inspection Schedule Item 4.22: Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6).
7	Inspection Schedule Item 4.23: Adequate arrangements where a generating set operates in parallel with the public supply (551.7).

Agreed with CLIENT

Extent of sampling

RANDOM SAMPLING OF CIRCUITS AND ACCESORIES

Operational limitations including the reasons

NO ACCESS TO MAINS BUILDING, THEREFORE MAIN DB COULD NOT BE INSPECTED, RESULTING IN LIMITATIONS BEING APPLIED. DUE TO THE WATER HEATER BOOST CONTROL FITTED TO THE FRONT COVER OF THE FLAT DB'S IT MAKES IT VERY DIFFICULT TO REMOVE THE FRONT COVER.

A LARGE NUMBER OF DB'S SCREWS COULD NOT BE REMOVED, THEREFORE UNABLE TO TAKE Zs AND Ipfs READINGS.

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

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)

THE INSTALLATION WAS FOUND TO BE IN AN OVERALL FAIR CONDITION WITH NO OBVIOUS SIGN OF DEFECT, WITH EXCEPTION TO THOSE OBSERVATIONS LISTED IN SECTION K.

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 **17 Aug 2025**

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	ANTONY STEPHENSON	Name	RICHARD BEACH
Position	APPROVED ELECTRICIAN	Position	QUALIFIED SUPERVISOR
Date	17 Sep 2020	Date	24 Mar 2021
Signature		Signature	

Details of the contractor

Trading title	DATA FACILITIES (Yorkshire) LTD	Enrolment/branch	043888 / 000
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:

54	observations.
78	items in the schedule of inspection.
101	schedule(s) of test results for boards with a total of 1194 circuits.

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors		Nature of Supply Parameters			Supply Protective Device							
	AC	DC	Nominal voltage U/U	Nominal frequency f *	Prospective fault current I _{pf} **	External loop impedance Z _e **	Maximum demand	Number of supplies	BS (EN)	LIM	Type	Rated current	Short-circuit capacity
TN-S <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	400 / 230.0 V	50.0 Hz	17.1 kA	0.02 Ω	- A	1	BS (EN)	LIM	Type	-	- kA
TN-C-S <input checked="" type="checkbox"/>	1-phase, 2-wire <input type="checkbox"/>	2-wire <input type="checkbox"/>									Rated current	-	A
TN-C <input type="checkbox"/>	2-phase, 3-wire <input type="checkbox"/>	3-wire <input type="checkbox"/>									Short-circuit capacity	-	kA
TT <input type="checkbox"/>	3-phase, 3-wire <input type="checkbox"/>	Other -									* By enquiry		
IT <input type="checkbox"/>	3-phase, 4-wire <input checked="" type="checkbox"/>										** By enquiry or measurement		
-	Confirmation of supply polarity	YES											

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	<input checked="" type="checkbox"/>	Type	-
Installation earth electrode	<input type="checkbox"/>	Location	-
		Resistance to earth	- Ω

Main Protective Conductors

Earth Conductor	Material	Copper	csa	150	mm ²	Connection / continuity verified	PASS
Main protective bonding conductors (to extraneous-conductive-parts)	Material	Copper	csa	70	mm ²	Connection / continuity verified	PASS
To water installation pipes	PASS	To gas installation pipes	N/A	To oil installation pipes	N/A	To structural steel	PASS
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				If RCD main switch			
Location	MAIN SWITCH ROOM						
BS(EN)	60947-2	Poles	3	Current rating	630.0 A	Rated residual operating current (I _{Δn})	- mA
Supply conductors material	Copper	Fuse/device rating or setting	-	A	Rated time delay	-	ms
Supply conductors csa	240 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	UNABLE TO REMOVE DB COVER SCREW HEADS DAMAGED.	DB1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 42, 44, 47, 77, 79, 83,	C3
2	DOUBLE SOCKET DAMAGED. NEW SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT18 ROOM A DESK RHS.	
3	HEATER FUSE SPUR LOOSE, SCREW THREAD DAMAGED. NEW BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT22 ROOM B.	
4	HOB ISOLATOR VERY DIFFICULT TO OPERATE. HOB ISOLATOR REQUIRES REPLACING.	FLAT 2, 3, 5, 6, 8, 13, 14, 16, 18, 19, 20, 21, 23, 27, 28, 30, 31, 32, 33, 36, 38, 39, 42, 43, 44, 47, 48, 49, 57, 59, 61, 62, 64, 66, 67, 68, 69, 70, 72, 75, 76, 77, 78, 79, 81, 84,85	C3
5	ENSUITE LIGHT FITTING COVER CRACKED. NEW FITTING REQUIRED. RECTIFIED 19.03.21	FLAT 4 ROOM C, FLAT 10 ROOM B & D, FLAT 22 ROOM B, FLAT 26 ROOM A & D, FLAT 27 ROOM A & E, FLAT 39 ROOM A, FLAT 45 ROOM E, FLAT 47 ROOM A, FLAT 53 ROOM A, FLAT 58 ROOM A B & C, FLAT 57 ROOM B & C, FLAT 72 ROOM D, FLAT 85 ROOM B.	
6	HEAT DAMAGED CABLES IN LOUNGE LIGHT FITTING. RECTIFIED 19.03.21	FLAT 10 LOUNGE FITTING.	
7	DOUBLE SOCKET BACK BOX DAMAGED. NEW BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT 14 ROOM B DESK RHS.	
8	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 33 LOUNGE.	
9	LOUNGE SOCKET ONLY SECURED WITH 1 WOOD SCREW. NEW BACK BOX (DRY LINING) REQD. RECTIFIED 19.03.21	FLAT 39 LOUNGE.	
10	DOUBLE SOCKET CRACKED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 41 LOUNGE.	
11	DOUBLE SOCKET DAMAGED. NEW SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 42 ROOM C DESK LHS.	

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
12	DOUBLE SOCKET WITH PLASTIC EARTH PIN BROKEN IN OUTLET. NEW SOCKET REQD. RECTIFIED 19.03.21	FLAT 51 ROOM E DESK LHS.	
13	LOUNGE LIGHT FITTING CABLE SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 71 LOUNGE.	
14	SOCKET NOT FIXED SECURELY. DOUBLE BACK BOX REQUIRED. RECTIFIED 19.03.21	FLAT 74 LOUNGE.	
15	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 77 PASSAGE FAR END.	
16	DOUBLE SOCKET DAMAGED NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 77 ROOM B DESK LHS.	
17	CORRIDOR LIGHT FITTING CABLE SHOWS SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 78 PASSAGE FAR FITTING.	
18	DOUBLE SOCKET DAMAGED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 81 ROOM A DESK RHS.	
19	LIGHT FITTING CABLES SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION. RECTIFIED 19.03.21	FLAT 82 PASSAGE FAR END.	
20	LIGHT FITTING CABLE SHOWING SIGNS OF HEAT DAMAGE. FURTHER INVESTIGATION REQD. RECTIFIED 19.03.21	FLAT 85 LOUNGE.	
21	CIRCULAR BULKHEAD FITTING DAMAGED. NEW FITTING REQUIRED. RECTIFIED 19.03.21	FLAT 86 PASSAGE.	
22	DOUBLE SOCKET DAMAGED. NEW DOUBLE SOCKET REQUIRED. RECTIFIED 19.03.21	FLAT 86 ROOM B DESK.	
23	A LARGE NUMBER OF FLAT PASSAGE LIGHT FITTINGS CLOSEST TO THE ENTRANCE DOOR ARE DEFECTIVE. THIS FITTING IS WHERE THE PASSAGE AND KITCHEN LIGHTING IS CONNECTED. THE LIGHT SHOULD BE REWIRED INTO A JUNCTION BOX ABOVE THE RECESSED CEILING AND A FLEX FEEDING THE LIGHT. THIS WILL ENSURE THE FITTING IS EASIER TO BE REPLACED AND IT WOULD BE A BETTER ELECTRICAL INSTALLATION.	FLAT PASSAGES.	C3
24	Inspection Schedule Item 5.12.4: for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203). is recommended for improvement.	General	C3
25	Inspection Schedule Item 4.19: RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1). is recommended for improvement.	General	C3
26	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
27	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
28	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 19.03.21	General	
29	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 4 [PROTEK] - 1	
30	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK B [D.SMITH DB08X] - 2L3	C3
31	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 19 [PROTEK] - 1	
32	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK C [D.SMITH DB08X] - 3L2	C3
33	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 35 [PROTEK] - 1	
34	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 35 [PROTEK] - 3	

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
35	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 39 [PROTEK] - 1	
36	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 42 [PROTEK] - 2	
37	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK D [D.SMITH DB08X] - 3L2	C3
38	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 45 [PROTEK] - 2	
39	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 45 [PROTEK] - 3	
40	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 57 [PROTEK] - 4	
41	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK E [D.SMITH DB08X] - 3L1	C3
42	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 63 [PROTEK] - 1	
43	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 64 [PROTEK] - 2	
44	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 64 [PROTEK] - 3	
45	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 67 [PROTEK] - 3	
46	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 70 [PROTEK] - 1	
47	The RCD associated to the circuit has failed to operate in time in accordance with Table 3A of Appendix 3 at In. B 32A 61009 REQD. RECTIFIED 19.03.21	DB 71 [PROTEK] - 1	
48	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading.	DB LANDLORD BLOCK F [D.SMITH DB08X] - 3L1	C3
49	The impedance for Rn ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 74 [PROTEK] - 3	
50	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 74 [PROTEK] - 4	
51	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 75 [PROTEK] - 3	
52	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. AS ABOVE. RECTIFIED 19.03.21	DB 75 [PROTEK] - 3	
53	The impedance for R1 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. FURTHER INVESTIGATION. RECTIFIED 19.03.21	DB 86 [PROTEK] - 2	
54	The impedance for R2 ring continuity seems unusually high, Further investigation should be carried out to ascertaining the reason for the high reading. AS ABOVE. RECTIFIED 19.03.21	DB 86 [PROTEK] - 2	

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.

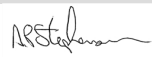
C1: Danger present. Risk of injury. Immediate remedial action required. C3: Improvement recommended.

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

INSPECTION SCHEDULE
Note: The inspection schedule only includes applicable items.

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)													PASS
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)													LIM
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													LIM
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
3.3	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)													PASS
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)													LIM
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)													PASS
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
4.13	Presence of other required labelling (please specify) (Section 514)													PASS
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
4.19	RCD(s) provided for additional protection / requirements - includes RCBOs (411.3.3; 415.1)													C3

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
4.21	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)													LIM
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)													LIM
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)													PASS
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)													PASS
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)													PASS
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)													PASS
5.12.1	for all socket-outlets of rating 32 A or less. unless an exception is permitted (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)													C3
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
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)													PASS
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)													PASS
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

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
6.7	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
Inspected by:														
Name	ANTONY STEPHENSON				Date	17 Aug 2020		Signature						

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation MAIN PANEL [DORMAN SMITH]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used						
Location SWITCHROOM			Supply Origin			Phases 3			Phase sequence confirmed PASS			Supply polarity confirmed YES			Continuity		8134947				
			Overcurrent protective device for distribution circuit			BS EN LIM			Rating - A			Nominal voltage 400 V			Insulation resistance		8134947				
			RCD BS EN -			Poles -			Rating - mA			Characteristics at board		RCD operating times		Earth fault loop impedance		8134947			
												Z _s - Ω		In - ms		RCD		8134947			
												I _{pf} - kA		5I - ms		Earth electrode resistance		8134947			

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 _n)	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	Supply to DB LANDLORD BLOCK A [D.SMITH DB08X]	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
2TP	Supply to BUSBAR BLOCK B	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
3TP	Supply to BUSBAR BLOCK C	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
4TP	Supply to BUSBAR BLOCK D	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
5TP	Supply to BUSBAR BLOCK E	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
6TP	Supply to BUSBAR BLOCK F	F	C	1	50	SWA	5	60947 - 2	MCCB	200	25	-	-	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
7TP	Supply to DB PUMP HOUSE [DORMAN SMITH DB06X]	F	C	1	25	SWA	5	60947 - 2	MCCB	100	25	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
8L1	Supply to DB SWITCHROOM [DORMAN SMITH DA06X]	F	C	1	25	SWA	5	60947 - 2	MCCB	100	25	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
8L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10TP	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 (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
11T P	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12T P	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																											

BOARD CHARACTERISTICS												TEST INSTRUMENTS					
Designation DB PUMP HOUSE [DORMAN SMITH DB06X]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN									Serial or asset numbers of test instruments used					
Location PUMP HOUSE			Supply MAIN PANEL [DORMAN SMITH] - 7TP			Supply polarity confirmed YES			Phases 3 Phase sequence confirmed PASS			Characteristics at board RCD operating times			Continuity 8134947		
			Overcurrent protective device for distribution circuit			BS EN 60947 - 2 Rating 100 A Nominal voltage 400 V			Z _s 0.11 Ω In - ms			Insulation resistance 8134947					
			RCD BS EN - Poles - Rating - mA						I _{pf} 1.59 kA 5I - ms			Earth fault loop impedance 8134947					
												RCD 8134947					
												Earth electrode resistance 8134947					

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)	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	PUMP SET	F	C	1	6	SWA	0.4	60898	C	32	10	-	0.54	-	-	-	0.01	-	-	LIM	>299	PASS	0.12	-	-	-	-	-
2L1	PUMP HOUSE SOCKET	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.15	28.4	28.4	PASS	-	-
2L2	EXTERNAL LIGHTS AND COIL	F	B	3	1.5	1.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.46	-	-	LIM	>299	PASS	0.57	-	-	-	-	-
2L3	LAMP POSTS TOP OF DRIVE	F	B	3	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	1.10	-	-	LIM	>299	PASS	1.21	-	-	-	-	-
3L1	STEP EXTERNAL LIGHTS	F	B	10	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.81	-	-	LIM	>299	PASS	0.92	-	-	-	-	-
3L2	PUMP HOUSE EXTERNAL LIGHTS	C	B	2	2.5	2.5	0.4	60898	B	10	10	-	3.5	-	-	-	0.16	-	-	LIM	>299	PASS	0.27	-	-	-	-	-
3L3	PUMP HOUSE LIGHTS	C	B	3	1.5	1.5	0.4	60898	C	10	10	-	1.75	-	-	-	0.13	-	-	LIM	>299	PASS	0.24	-	-	-	-	-
4TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS														TEST INSTRUMENTS																	
Designation DB SWITCHROOM [DORMAN SMITH DA06X]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																	
Location SWITCHROOM				Supply MAIN PANEL [DORMAN SMITH] - 8L1				Supply polarity confirmed YES				Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947	
				Phases 1 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board		RCD operating times																	
				BS EN 60947 - 2		Rating 100 A		Nominal voltage 230 V		Z _s 0.02 Ω		In - ms																			
				RCD BS EN -		Poles -		Rating - mA		I _{pf} 9.1 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 (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	SOCKET IN HV ROOM	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	LIM	-	-	LIM	LIM	-	LIM	LIM	LIM	-	-	-			
2	SOCKET THIS ROOM	C	B	1	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.06	-	-	LIM	>299	PASS	0.08	26.1	10.3	PASS	-	-			
3	LIGHTS	C	B	3	1.5	1.5	0.4	60898	B	6	10	-	5.82	-	-	-	0.34	-	-	LIM	>299	PASS	0.36	-	-	-	-	-			
Engineer	ANTONY STEPHENSON			Date	17 Aug 2020			Signature																							
Position	APPROVED ELECTRICIAN			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 BUSBAR BLOCK A			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used					
Location BLOCK A RISER			Supply MAIN PANEL [DORMAN SMITH] - 1TP			Supply polarity confirmed YES			Phases 3			Phase sequence confirmed PASS			Continuity		8134947			
			Overcurrent protective device for distribution circuit			Characteristics at board			RCD operating times			Insulation resistance		8134947						
			BS EN 60947 - 2		Rating 200 A		Nominal voltage 400 V		Z _s 0.05 Ω		In - ms		Earth fault loop impedance		8134947					
			RCD BS EN -		Poles -		Rating - mA		I _{pf} - kA		5I - ms		RCD		8134947					
												Earth electrode resistance		8134947						

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
T01	Supply to DB 1 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T02	-	F	E	1	25	SWA	5	88-2	-	100	-	-	0.34	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
T03	Supply to DB 2 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T03	Supply to DB 3 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T04	Supply to DB 4 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T04	Supply to DB 5 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T05	Supply to DB 6 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T05	Supply to DB 7 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T06	Supply to DB 8 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.08	-	-	-	-	-
T06	Supply to DB 9 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T07	Supply to DB 10 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T07	Supply to DB 11 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.09	-	-	-	-	-
T08	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS										TEST INSTRUMENTS									
Designation					APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used				
DB LANDLORD BLOCK A [D.SMITH DB08X]					Supply MAIN PANEL [DORMAN SMITH] - 1TP					Supply polarity confirmed YES					Continuity 8134947				
Location					Phases 3 Phase sequence confirmed PASS					Characteristics at board RCD operating times					Insulation resistance 8134947				
BLOCK A RISER GND. FLOOR					Overcurrent protective device for distribution circuit					Z _s 0.21 Ω In - ms					Earth fault loop impedance 8134947				
					BS EN 60947 - 2 Rating 200 A Nominal voltage 400 V					I _{pf} 1.29 kA 5I - ms					RCD 8134947				
					RCD BS EN - Poles - Rating - mA										Earth electrode resistance 8134947				

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
1L1	MANAGER, LOCKERS, DISABLED W/C LIGHTS	A	E	5	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.55	-	500	LIM	>299	PASS	0.76	-	-	-	-	-
1L2	COMMON ROOM LIGHTS	A	E	14	1.5	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.75	-	500	LIM	>299	PASS	0.96	-	-	-	-	-
1L3	OFFICE LAUNDRY LIGHTS	A	E	5	1.5	1	0.4	60898	C	6	10	-	2.91	-	-	-	0.76	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
2L1	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	LIM	PASS	0.55	-	-	-	-	-
2L2	COMMON ROOM RECEPTION RING MAIN	A	E	8	2.5	1.5	0.4	61009	C	32	10	30	0.54	0.84	0.87	1.41	0.56	-	500	LIM	>299	PASS	0.55	27	15	PASS	-	-
2L3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	C	32	10	-	0.54	0.41	0.45	0.71	0.28	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
3L1	COMMS ROOM SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
3L2	MANAGERS OFFICE 45A DP	A	E	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
3L3	TV AMP. 4TH. FLOOR RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4L1	DISABLED ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4L2	MANAGERS OFFICE 45A DP	A	E	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
4L3	SMOKE VENT CONTROL PANEL	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
5L1	STAIRS LIGHTS FLOOR 3,4,5	A	E	28	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.16	-	500	LIM	>299	PASS	1.37	-	-	-	-	-
5L2	MANAGERS A/C UNIT	A	E	1	2.5	1.5	0.4	60898	C	20	10	-	0.87	-	-	-	0.32	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
5L3	LAUNDRY HEATER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-

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 _c)	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			
6L1	STAIRS LIGHTS FLOOR GROUND,1,2	A	E	29	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.51	-	500	LIM	>299	PASS	1.72	-	-	-	-	-			
6L2	COMMON ROOM DOUBLE SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.60	-	-	-	-	-			
6L3	OFFICE, CCTV, FA RING MAIN	A	E	4	2.5	1.5	0.4	60898	C	32	10	-	0.54	LIM	LIM	LIM	0.25	-	500	LIM	>299	PASS	0.46	-	-	-	-	-			
7L1	PATCH PANEL	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.17	-	500	LIM	LIM	PASS	0.38	-	-	-	-	-			
7L2	CLEANERS SOCKETS RADIAL	A	E	6	2.5	1.5	0.4	61009	C	20	10	30	0.87	-	-	-	1.43	-	500	LIM	>299	PASS	1.64	29	19	PASS	-	-			
7L3	FRONT DOOR ENTRY	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.11	-	500	LIM	>299	PASS	0.32	-	-	-	-	-			
8L1	DOOR ENTRY SPEAKER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-			
8L2	CCTV SUPPLY IN RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.27	-	-	-	-	-			
8L3	FIRE ALARM PANEL	A	E	1	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.32	-	500	LIM	>299	PASS	0.53	-	-	-	-	-			
9TP	Supply to DB LAUNDRY [D.SMITH DB08X]	F	E	1	16	SWA	5	60898	C	63	10	-	0.28	-	-	-	0.01	-	500	LIM	>299	PASS	0.21	-	-	-	-	-			
10L1	DOOR ENTRY BACK	A	C	1	2.5	1.5	0.4	60898	C	16	6	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-			
10L2	CLEANERS SOCKETS RADIAL	A	E	7	2.5	1.5	0.4	61009	C	16	10	30	1.1	-	-	-	1.63	-	500	LIM	>299	PASS	1.64	29	18	PASS	-	-			
10L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11L2	SOCKET DELOW DB	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.19	-	500	LIM	>299	PASS	0.40	-	-	-	-	-			
11L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12L2	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 (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		
12L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>APStephenson</i></p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB LAUNDRY [D.SMITH DB08X]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used							
Location LAUNDRY STORE				Supply DB LANDLORD BLOCK A [D.SMITH DB08X] - 9TP				Supply polarity confirmed YES				Continuity 8134947											
				Phases 3 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Characteristics at board RCD operating times				Insulation resistance 8134947							
				BS EN 60898 Rating 63 A Nominal voltage 400 V				Z _s 0.11 Ω In - ms				Earth fault loop impedance 8134947											
				RCD BS EN - Poles - Rating - mA				I _{pf} 0.81 kA 5I - ms				RCD 8134947											
												Earth electrode resistance 8134947											

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
1L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1L2	WATER HEATER 4	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
1L3	WATER HEATER 3	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
2L1	SERVICE AREA SOCKETS	E	B	4	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
2L2	WATER HEATER 1	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
2L3	WATER HEATER 2	F	C	1	4	4	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-
3L1	DOUBLE DRYER	A	B	1	10	4	0.4	60898	C	50	10	-	0.35	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-
3L2	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3L3	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.17	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4L1	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.17	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4L2	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
4L3	WASHER DRYER	A	B	1	6	2.5	0.4	60898	C	32	10	-	0.54	-	-	-	0.19	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
5L1	TWIN SOCKET & FUSE SPUR	C	B	3	2.5	2.5	0.4	61009	C	16	10	30	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.44	37	20	PASS	-	-
5L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 1 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 1			Supply BUSBAR BLOCK A - T01			Phases 1			Phase sequence confirmed PASS				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.07 Ω		In - ms		I _{pf} 2.9 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.47	41	14	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.61	0.25	-	500	LIM	>299	PASS	0.50	-	-	-	-	-			
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.62	1.18	0.44	-	500	LIM	>299	PASS	0.63	-	-	-	-	-			
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	1.04	0.40	-	500	LIM	>299	PASS	0.59	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.32	-	500	LIM	>299	PASS	0.39	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.31	-	500	LIM	>299	PASS	0.38	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.61	-	500	LIM	>299	PASS	0.68	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.96	-	500	LIM	>299	PASS	1.03	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.42	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation DB 2 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used								
Location FLAT 2			Supply BUSBAR BLOCK A - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Continuity 8134947						
			Overcurrent protective device for distribution circuit			BS EN 88-2		Rating 63		A		Nominal voltage 230 V		Characteristics at board		RCD operating times		Insulation resistance 8134947			
			RCD BS EN -		Poles -		Rating -		mA		Z _s 0.08 Ω		In - ms		Earth fault loop impedance 8134947		RCD 8134947				
											I _{pf} - kA		5I - ms		Earth electrode resistance 8134947						

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.47	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.49	0.20	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.69	0.93	0.39	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.59	1.03	0.41	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.29	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	19	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.58	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.30	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.27	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation DB 3 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																															
Location FLAT 3			Supply BUSBAR BLOCK A - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947							
Overcurrent protective device for distribution circuit			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.08		Ω		In -		ms		Z _s		0.08		Ω		In		-		ms		I _{pf}		-		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.42	41	15	PASS	-	-								
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.43	0.47	0.20	-	500	LIM	>299	PASS	0.51	-	-	-	-	-								
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.57	0.97	0.38	-	500	LIM	>299	PASS	0.61	-	-	-	-	-								
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.49	0.81	0.33	-	500	LIM	>299	PASS	0.53	-	-	-	-	-								
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.30	-	-	-	-	-								
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.32	-	-	-	-	-								
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.54	-	500	LIM	>299	PASS	0.62	-	-	-	-	-								
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.87	-	500	LIM	>299	PASS	0.95	-	-	-	-	-								
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.48	-	-	-	-	-								
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN						

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 4 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																
Location FLAT 4			Supply BUSBAR BLOCK A - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																	
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.07		Ω		In -		ms							
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.93	-	500	LIM	>299	PASS	1.0	-	19	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.35	0.83	0.30	-	500	LIM	>299	PASS	0.50	-	-	-	-	-	
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.58	0.92	0.38	-	500	LIM	>299	PASS	0.63	-	-	-	-	-	
4	BEDROOMS A & B RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.58	0.91	0.37	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.27	-	500	LIM	>299	PASS	0.34	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.68	-	500	LIM	>299	PASS	0.75	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.22	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.47	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used													
DB 5 [PROTEK]			Supply			BUSBAR BLOCK A - T04						Supply polarity confirmed			-				Continuity		8134947							
Location			Phases			1			Phase sequence confirmed			-				Characteristics at board		RCD operating times		Insulation resistance		8134947						
FLAT 5			Overcurrent protective device for distribution circuit												Z _s		0.08 Ω		In		-		ms		RCD		8134947	
			BS EN			-			Rating			63 A			Nominal voltage			230 V			Earth fault loop impedance		8134947					
			RCD BS EN			-			Poles			-			Rating			-			mA		Earth electrode resistance		8134947			

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.56	-	500	LIM	>299	PASS	0.64	31	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.29	0.29	0.63	0.23	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.59	0.95	0.39	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
4	BEDROOMS A & BRING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.49	0.83	0.33	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.57	-	500	LIM	>299	PASS	0.65	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 6 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 6			Supply BUSBAR BLOCK A - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.08		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.50	-	500	LIM	>299	PASS	0.58	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.60	0.22	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.52	0.90	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.54	0.92	0.35	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	1.0	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.25	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																	
Designation DB 7 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used														
Location FLAT 7			Supply BUSBAR BLOCK A - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947						
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times															
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.09		Ω		In -		ms					
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.49	-	500	LIM	>299	PASS	0.58	42	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.33	0.60	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.49	0.84	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.45	0.72	0.30	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.60	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.23	-	500	LIM	>299	PASS	1.32	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 8 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 8			Supply BUSBAR BLOCK A - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.08		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.04	-	500	LIM	>299	PASS	1.12	52	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.31	0.50	0.20	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.59	1.01	0.40	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.20	0.45	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.54	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.09	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING					
Position	APPROVED ELECTRICIAN					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 DB 9 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
Location FLAT 9			Supply BUSBAR BLOCK A - T06			Phases 1			Phase sequence confirmed -			Overcurrent protective device for distribution circuit			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
			BS EN -			Rating 63			A			Nominal voltage 230			V			Z _s 0.09 Ω		In -		ms					
			RCD BS EN -			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.73	-	500	LIM	>299	PASS	0.82	52	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.50	0.20	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.68	1.03	0.42	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.47	0.78	0.32	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.57	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.38	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 10 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 10			Supply BUSBAR BLOCK A - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947			Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			Rating			A			Nominal voltage			Z _s			In			RCD operating times			5I				
RCD BS EN			Poles			Rating			mA			I _{pf}			kA			5I							

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	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.33	-	500	LIM	>299	PASS	0.42	41	19	PASS	-	-	
3	BEDROOMS D, E & F RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.53	0.95	0.37	-	500	LIM	>299	PASS	0.61	-	-	-	-	-	
4	BEDROOMS A, B & C RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.51	0.86	0.34	-	500	LIM	>299	PASS	0.56	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.28	-	500	LIM	>299	PASS	0.37	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.26	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.53	-	500	LIM	>299	PASS	1.62	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.10	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
10	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.52	0.20	-	500	LIM	>299	PASS	0.48	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 11 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 11			Supply BUSBAR BLOCK A - T07			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.09		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.36	-	500	LIM	>299	PASS	0.45	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.57	0.21	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.74	0.28	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.44	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.23	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.65	-	500	LIM	>299	PASS	0.74	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.79	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.35	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	KITCHEN COOKER ISOLATOR	A	B	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.39	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																				
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																	
BUSBAR BLOCK B			Supply			MAIN PANEL [DORMAN SMITH] - 2TP						Supply polarity confirmed			YES			Continuity			8134947											
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947								
BLOCK B RISER			Overcurrent protective device for distribution circuit												Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			8134947		
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947								
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			8134947					

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)	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
T01	Supply to DB 12 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T01	Supply to DB 13 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK B [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	80	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.08	-	-	-	-	-
T03	Supply to DB 14 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T03	Supply to DB 15 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T04	Supply to DB 16 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T04	Supply to DB 17 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 18 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 19 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 20 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 21 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.11	-	-	-	-	-
T07	Supply to DB 22 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-

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
T07	Supply to DB 23 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	0.12	-	-	-	-	-
T08	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	-	LIM	LIM	-	LIM	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020			Signature																			
Position	APPROVED ELECTRICIAN				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 LANDLORD BLOCK B [D.SMITH DB08X]					Supply BUSBAR BLOCK B - T02					Supply polarity confirmed YES					Continuity 8134947				
Location					Phases 3 Phase sequence confirmed PASS					Characteristics at board RCD operating times					Insulation resistance 8134947				
BLOCK B RISER GND. FLOOR					Overcurrent protective device for distribution circuit					Z _s 0.08 Ω In - ms					Earth fault loop impedance 8134947				
					BS EN - Rating 80 A Nominal voltage 400 V					I _{pf} 1.37 kA 5I - ms					RCD 8134947				
					RCD BS EN - Poles - Rating - mA										Earth electrode resistance 8134947				

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	
1L1	STAIR LIGHTS FLOOR GROUND,1,2	A	E	28	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	0.89	-	500	LIM	>299	PASS	1.0	-	-	-	-	-	
1L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.05	-	500	LIM	>299	PASS	0.26	-	-	-	-	-	
1L3	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
2L1	STAIR LIGHTS FLOOR 3,4,5	A	E	29	1.5	1	0.4	60898	C	10	10	-	1.75	-	-	-	1.42	-	500	LIM	>299	PASS	1.63	-	-	-	-	-	
2L2	TV AMP. 4TH. FLOOR RISER	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.41	-	500	LIM	>299	PASS	0.62	-	-	-	-	-	
2L3	RING MAIN CLEANERS	A	E	12	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.37	1.40	2.40	0.94	-	500	LIM	>299	PASS	0.82	29	29	PASS	-	-	
3L1	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
3L2	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.55	-	-	-	-	-	
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.25	-	-	-	-	-	
4L1	LIGHTING POINT FOR OAK TREE BLOCK B	F	E	1	2.5	2.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
4L2	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.01	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 12 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 12			Supply BUSBAR BLOCK B - T01			Phases 1			Phase sequence confirmed PASS				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.13 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	35	21	PASS	-	-		
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.57	0.23	-	500	LIM	>299	PASS	0.44	-	-	-	-	-		
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.74	1.06	0.44	-	500	LIM	>299	PASS	0.63	-	-	-	-	-		
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.51	0.79	0.33	-	500	LIM	>299	PASS	0.47	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.29	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																													
Designation DB 13 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																									
Location FLAT 13				Supply BUSBAR BLOCK B - T01				Phases 1 Phase sequence confirmed PASS				Overcurrent protective device for distribution circuit				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947	
				BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12		Ω		In -		ms																					
				RCD BS EN -		Poles -				Rating -		mA		I _{pf} 1.03		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 (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	LOUNGE SOCKETS RADIAL	A	E	2	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.34	-	500	LIM	>299	PASS	0.54	32	19	PASS	-	-		
2	KITCHEN HEATER AND SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.43	-	500	LIM	>299	PASS	0.63	-	-	-	-	-		
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.53	0.96	0.36	-	500	LIM	>299	PASS	0.46	-	-	-	-	-		
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.50	0.66	0.28	-	500	LIM	>299	PASS	0.43	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.34	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.33	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.90	-	500	LIM	>299	PASS	1.10	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.98	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.48	-	-	-	-	-		
10	KITCHEN SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.42	-	500	LIM	>299	PASS	0.62	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 14 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used									
Location FLAT 14			Supply BUSBAR BLOCK B - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity		8134947					
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63 A			Nominal voltage 230 V			Insulation resistance		8134947					
			RCD BS EN -			Poles -			Rating - mA			Z _s 0.13 Ω			In - ms		Earth fault loop impedance		8134947			
												I _{pf} - kA			5I - ms		RCD		8134947			
																	Earth electrode resistance		8134947			

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.78	33	19	PASS	-	-
2	FRIDGE SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.16	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.60	0.97	0.39	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.53	0.95	0.36	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.72	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.10	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
10	KITCHEN SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 15 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 15			Supply BUSBAR BLOCK B - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.13		Ω		In -		ms									
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.43	1.18	0.39	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.44	0.84	0.31	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.63	0.26	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.96	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 16 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 16			Supply BUSBAR BLOCK B - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.33	0.52	0.20	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.46	0.71	0.29	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.59	0.94	0.37	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.17	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 17 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 17			Supply BUSBAR BLOCK B - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	33	28	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.59	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.41	0.67	0.27	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.46	0.43	0.62	0.27	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.18	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 18 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 18			Supply BUSBAR BLOCK B - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.12		Ω		In -		ms							
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	LIM	-	500	LIM	>299	PASS	0.49	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.38	0.57	0.24	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.58	0.93	0.38	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.72	0.29	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 19 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 19			Supply BUSBAR BLOCK B - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 1.07		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	4.5	30	0.54	-	-	-	0.19	-	500	LIM	>299	PASS	0.38		15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.68	0.27	-	500	LIM	>299	PASS	0.50	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.42	0.75	0.29	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.66	0.27	-	500	LIM	>299	PASS	0.47	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.78	-	500	LIM	>299	PASS	0.97	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.82	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.26	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 20 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 20			Supply BUSBAR BLOCK B - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.13		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	4.5	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.54	34	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.54	0.22	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	0.91	0.37	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.43	0.70	0.28	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 21 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 21			Supply BUSBAR BLOCK B - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.11		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	33	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.39	0.81	0.30	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.39	0.80	0.30	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.09	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.79	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 22 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 22			Supply BUSBAR BLOCK B - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.12 Ω		In - ms		I _{pf} - kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.45	31	14	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.41	0.79	0.30	-	500	LIM	>299	PASS	0.55	-	-	-	-	-			
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.50	0.77	0.31	-	500	LIM	>299	PASS	0.47	-	-	-	-	-			
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.71	0.27	-	500	LIM	>299	PASS	0.48	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.79	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 23 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 23			Supply BUSBAR BLOCK B - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.57	43	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.81	0.31	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.40	0.67	0.28	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.34	0.54	0.22	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	-	LIM	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.33	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																				
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																	
BUSBAR BLOCK C			Supply			MAIN PANEL [DORMAN SMITH] - 3TP						Supply polarity confirmed			YES			Continuity			8134947											
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947								
BLOCK C RISER			Overcurrent protective device for distribution circuit												Z _s			0.06 Ω			In			- ms			Earth fault loop impedance			8134947		
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947								
			RCD BS EN			-			Poles			-			Rating			-			mA			Earth electrode resistance			8134947					

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)	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
T01	Supply to DB 24 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T01	Supply to DB 26 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK C [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.07	-	-	-	-	-
T03	Supply to DB 27 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T03	Supply to DB 28 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T03	Supply to DB 29 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T04	Supply to DB 30 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T04	Supply to DB 31 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T04	Supply to DB 32 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 33 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 34 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-
T05	Supply to DB 35 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	LIM	-	500	LIM	LIM	-	0.12	-	-	-	-	-

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
T06	Supply to DB 36 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 37 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T06	Supply to DB 38 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T07	Supply to DB 39 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T07	Supply to DB 40 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T07	Supply to DB 41 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.14	-	-	-	-	-
T08	Supply to DB 42 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T08	Supply to DB 43 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.13	-	-	-	-	-
T08	Supply to DB 44 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	0.11	-	-	-	-	-
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-

Engineer **ANTONY STEPHENSON**
 Position **APPROVED ELECTRICIAN**

Date **17 Aug 2020**
 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

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used															
DB LANDLORD BLOCK C [D.SMITH DB08X]				Supply				BUSBAR BLOCK C - T02				Supply polarity confirmed				YES				Continuity		8134947									
Location				Phases		3		Phase sequence confirmed				PASS				Characteristics at board		RCD operating times		Insulation resistance		8134947									
BLOCK C RISER GND. FLOOR				Overcurrent protective device for distribution circuit												Z _s		0.07 Ω		In		- ms		Earth fault loop impedance		8134947					
				BS EN		-		Rating		63		A		Nominal voltage		400		V		I _{pf}		1.0 kA		5I		- ms		RCD		8134947	
				RCD BS EN		-		Poles		-		Rating		-		mA												Earth electrode resistance		8134947	

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
1L1	STAIR LIGHTS FLOOR 4,5,6	A	E	28	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	1.01	-	500	LIM	>299	PASS	1.25	-	-	-	-	-
1L2	TV AMP. 4TH. FLOOR	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
1L3	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
2L1	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
2L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
2L3	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3L1	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	2.70	-	500	LIM	>299	PASS	2.94	-	-	-	-	-
3L2	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.73	1.74	2.94	1.17	-	500	LIM	>299	PASS	1.31	42	30	PASS	-	-
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.04	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
4L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.07	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 24 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 24			Supply BUSBAR BLOCK C - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.11 Ω		In - ms		I _{pf} 1.08 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.41	41	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.51	0.21	-	500	LIM	>299	PASS	0.72	-	-	-	-	-	
3	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.59	1.10	0.41	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
4	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.64	1.10	1.08	0.43	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.26	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.08	-	500	LIM	>299	PASS	0.29	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.40	-	500	LIM	>299	PASS	0.61	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.94	-	500	LIM	>299	PASS	1.15	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.27	-	-	-	-	-	
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 26 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																
Location FLAT 26			Supply BUSBAR BLOCK C - T01			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947					
Overcurrent protective device for distribution circuit												Z _s 0.13 Ω		In - ms		I _{pf} 0.01 kA		5I - ms													
			BS EN -		Rating 63 A		Nominal voltage 230 V																								
			RCD BS EN -		Poles -		Rating - mA																								

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.88	-	500	LIM	>299	PASS	1.09	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.58	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.68	1.25	0.49	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.49	0.77	0.32	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.09	-	500	LIM	>299	PASS	0.30	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.10	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.95	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.07	-	500	LIM	>299	PASS	1.28	-	-	-	-	-
9	DISABLED LIGHTS FLAT 25	A	E	4	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	0.51	-	500	LIM	>299	PASS	0.72	-	-	-	-	-
10	DISABLED UTILITY RING FLAT 25	A	E	7	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.38	0.63	0.26	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
11	DISABLED SOCKET RADIAL FLAT 25	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
12	DISABLED UTILITY FLAT 25	A	E	3	6	2.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.42	55	20	PASS	-	-
13	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.26	-	500	LIM	>299	PASS	0.47	-	-	-	-	-

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		
14	DISABLED HOB FLAT 25	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.14	-	500	LIM	>299	PASS	0.35	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																										
Designation DB 27 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																									
Location FLAT 27			Supply BUSBAR BLOCK C - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947					
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times																
BS EN -			Rating 63			A			Nominal voltage 230			V			Z _s 0.11		Ω		In -		ms		Z _s 0.11		Ω		In -		ms		I _{pf} -		kA		5I -		ms	
RCD BS EN -			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.10	34	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.72	0.28	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.63	0.59	0.89	0.38	-	500	LIM	>299	PASS	0.63	-	-	-	-	-	
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.53	0.74	0.32	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	18	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.13	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 28 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 28			Supply BUSBAR BLOCK C - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			-			Rating -			mA			I _{pf} 2.19		kA		5I _n -		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.07	-	-	LIM	>299	PASS	0.18	31.6	4.9	PASS	-	-
2	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.32	0.12	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
3	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.45	0.16	-	-	LIM	>299	PASS	0.27	-	-	-	-	-
4	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.08	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.41	-	-	LIM	>299	PASS	0.52	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation DB 29 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used							
Location FLAT 29				Supply BUSBAR BLOCK C - T03				Supply polarity confirmed -				Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
				Phases 1				Phase sequence confirmed -				Characteristics at board		RCD operating times							
				Overcurrent protective device for distribution circuit																	
				BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.11		Ω		In -		ms	
				RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.00	24	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.37	0.68	0.27	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.54	0.95	0.36	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.12	0.46	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.48	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 30 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 30			Supply BUSBAR BLOCK C - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.11		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	33	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.25	0.22	0.49	0.18	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.51	0.91	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.51	0.75	0.31	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 31 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 31			Supply BUSBAR BLOCK C - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 2.19		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	34.6	11.7	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.31	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.21	0.21	0.33	0.13	-	-	LIM	>299	PASS	0.25	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.38	-	-	LIM	>299	PASS	0.49	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING										
Position	APPROVED ELECTRICIAN					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 DB 32 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 32			Supply BUSBAR BLOCK C - T04			Supply polarity confirmed -			Continuity		8134947			Insulation resistance		8134947									
			Phases 1		Phase sequence confirmed -		Characteristics at board		RCD operating times		Earth fault loop impedance		8134947												
			Overcurrent protective device for distribution circuit										RCD		8134947										
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12		Ω		In -		ms		Earth electrode resistance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	53	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.39	0.61	0.24	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.54	1.13	0.41	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
4	BEDROOMS RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.53	1.00	0.39	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING									
Position	APPROVED ELECTRICIAN					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 DB 33 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used								
Location FLAT 33			Supply BUSBAR BLOCK C - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity		8134947					
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Insulation resistance		8134947		
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.12 Ω		In - ms		Earth fault loop impedance		8134947		
			RCD BS EN -		Poles -		Rating -		mA		I _{pf} - kA		5I - ms		RCD		8134947				
															Earth electrode resistance		8134947				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.48	33	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.43	0.65	0.28	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.56	0.88	0.35	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.43	0.73	0.29	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 34 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used									
Location FLAT 34			Supply BUSBAR BLOCK C - T05			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -			Characteristics at board RCD operating times			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit			BS EN - Rating 63 A Nominal voltage 230 V			Z _s 0.12 Ω In - ms			RCD BS EN - Poles - Rating - mA			I _{pf} 2.23 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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.08	-	-	LIM	>299	PASS	0.20	23.8	4.7	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.07	-	-	LIM	>299	PASS	0.19	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.17	0.17	0.30	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.17	0.17	0.28	0.10	-	-	LIM	>299	PASS	0.22	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	-	LIM	>299	PASS	0.64	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 35 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 35			Supply BUSBAR BLOCK C - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.12		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	-	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.78	0.31	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
3	BEDROOMS A, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.64	1.15	2.86	-	500	LIM	>299	PASS	0.82	-	-	-	-	-
4	BEDROOMS B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.75	0.31	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.17	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 36 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 36			Supply BUSBAR BLOCK C - T06			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.13		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.49	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.38	0.65	0.25	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.43	0.76	0.30	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
4	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.58	0.55	0.98	0.39	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 37 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 37			Supply BUSBAR BLOCK C - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			-			Rating -			mA			I _{pf} 1.78		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 (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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.75	-	-	LIM	>299	PASS	0.88	33	8	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.17	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.21	0.21	0.34	0.13	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.24	0.24	0.39	0.15	-	-	LIM	>299	PASS	0.28	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.37	-	-	LIM	>299	PASS	0.50	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 38 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 38			Supply BUSBAR BLOCK C - T06			Supply polarity confirmed -			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity		8134947	
			Overcurrent protective device for distribution circuit															Insulation resistance		8134947				
			BS EN -			Rating 63 A			Nominal voltage 230 V			Z _s 0.14 Ω			In - ms			Earth fault loop impedance		8134947				
			RCD BS EN -			Poles -			Rating - mA			I _{pf} - kA			5I - ms			RCD		8134947				
																		Earth electrode resistance		8134947				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.59	41	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.75	0.29	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.47	0.79	0.32	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.66	1.04	0.43	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 39 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 39			Supply BUSBAR BLOCK C - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																			
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	19	PASS	-	-
2	DINING AREA HEATER AND SOCKET	A	E	2	2.5	1.5	0.4	60898	C	16	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.59	0.87	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.45	0.75	0.30	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.12	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	KITCHEN AREA SOCKETS RADIAL	A	E	3	2.5	1.5	0.4	60898	B	20	6	-	1.75	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 40 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used								
Location FLAT 40			Supply BUSBAR BLOCK C - T07			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -			Characteristics at board RCD operating times			Continuity 8134947								
			Overcurrent protective device for distribution circuit			BS EN - Rating 63 A Nominal voltage 230 V			Z _s 0.14 Ω In - ms			RCD BS EN - Poles - Rating - mA			I _{pf} 1.68 kA 5I - ms			Insulation resistance 8134947					
															Earth fault loop impedance 8134947								
															RCD 8134947								
															Earth electrode resistance 8134947								

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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.62	-	-	LIM	>299	PASS	0.76	32	8	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.18	-	-	-	-	-
3	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.23	0.23	0.38	0.15	-	-	LIM	>299	PASS	0.29	-	-	-	-	-
4	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.31	0.12	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.36	-	-	LIM	>299	PASS	0.50	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 41 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 41			Supply BUSBAR BLOCK C - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.14		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.55	32	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.40	0.65	0.26	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.60	0.92	0.38	-	500	LIM	>299	PASS	0.57	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.42	0.71	0.28	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.88	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.02	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 42 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 42			Supply BUSBAR BLOCK C - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.13		Ω		In -		ms									
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.71	32	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.49	0.67	0.28	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.52	0.76	0.33	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.70	0.29	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.52	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 43 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used							
Location FLAT 43			Supply BUSBAR BLOCK C - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity		8134947					
			Overcurrent protective device for distribution circuit			BS EN -			Rating 63 A			Nominal voltage 230 V			Insulation resistance		8134947					
			RCD BS EN -			Poles -			Rating - mA			Z _s 0.13 Ω			In - ms		Earth fault loop impedance		8134947			
												I _{pf} 1.76 kA			5I - ms		RCD		8134947			
																	Earth electrode resistance		8134947			

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	UTILITY SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	10	30	0.54	-	-	-	0.78	-	-	LIM	>299	PASS	0.91	34	15	PASS	-	-
2	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.04	-	-	LIM	>299	PASS	0.17	-	-	-	-	-
3	GENERAL RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.24	0.24	0.39	0.16	-	-	LIM	>299	PASS	0.29	-	-	-	-	-
4	KITCHEN RING MAIN	A	E	3	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.20	0.20	0.32	0.13	-	-	LIM	>299	PASS	0.26	-	-	-	-	-
5	LIGHTS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.35	-	-	LIM	>299	PASS	0.48	-	-	-	-	-
6	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS										
Designation DB 44 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used									
Location FLAT 44			Supply BUSBAR BLOCK C - T08			Supply polarity confirmed -			Phases 1 Phase sequence confirmed -				Characteristics at board			RCD operating times			Continuity		8134947	
			Overcurrent protective device for distribution circuit										Z _s 0.11 Ω		In - ms		Insulation resistance		8134947			
			BS EN -		Rating 63 A		Nominal voltage 230 V		I _{pf} - kA		5I - ms		Earth fault loop impedance		8134947							
			RCD BS EN -		Poles -		Rating - mA						RCD		8134947							
													Earth electrode resistance		8134947							

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	UNUSED	-	-	-	-	-	-	61009	B	16	6	30	2.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.42	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN & EXTERNAL SIGN	A	E	13	2.5	1.5	0.4	61009	B	32	6	30	1.1	0.56	0.55	0.99	0.39	-	500	LIM	>299	PASS	0.52	21	28	PASS	-	-
4	BEDROOMS D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.34	0.65	0.25	-	500	LIM	>299	PASS	0.36	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.13	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.69	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	
10	KITCHEN SOCKET RADIAL	A	E	3	4	1.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.40	-	-	-	-	
11	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.40	-	-	LIM	>299	PASS	0.51	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																			
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																																
BUSBAR BLOCK D			Supply			MAIN PANEL [DORMAN SMITH] - 4TP						Supply polarity confirmed			YES			Continuity			8134947																										
Location			Phases			3			Phase sequence confirmed			PASS			Characteristics at board			RCD operating times			Insulation resistance			8134947																							
BLOCK D RISER			Overcurrent protective device for distribution circuit												Z _s			0.07 Ω			In			- ms			Earth fault loop impedance			8134947																	
			BS EN			60947 - 2			Rating			200 A			Nominal voltage			400 V			RCD			8134947																							
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}			-			kA			5I			-			ms			Earth electrode resistance			8134947		

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)	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
T01	Supply to DB 45 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T01	Supply to DB 46 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.02	-	-	LIM	>299	PASS	0.09	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK D [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T03	Supply to DB 47 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.02	-	-	LIM	>299	PASS	0.09	-	-	-	-	-
T03	Supply to DB 48 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.07	-	-	-	-	-
T04	Supply to DB 49 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T04	Supply to DB 50 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T05	Supply to DB 51 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T05	Supply to DB 52 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T06	Supply to DB 53 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T06	Supply to DB 54 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T07	Supply to DB 55 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-

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		
T07	Supply to DB 56 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-		
T08	Supply to DB 57 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-		
T08	Supply to DB 58 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-		
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.04	-	-	LIM	>299	PASS	0.11	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS									
Designation DB LANDLORD BLOCK D [D.SMITH DB08X]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used								
Location BLOCK D RISER GND. FLOOR			Supply BUSBAR BLOCK D - T02			Supply polarity confirmed YES			Continuity		8134947			Insulation resistance		8134947					
			Phases 3			Phase sequence confirmed PASS			Characteristics at board		RCD operating times			Earth fault loop impedance		8134947					
			Overcurrent protective device for distribution circuit										Z _s 0.07 Ω		In - ms		RCD		8134947		
			BS EN -		Rating 63		A		Nominal voltage 400 V		I _{pf} 1.08 kA		5I - ms		Earth electrode resistance		8134947				
			RCD BS EN -		Poles -		Rating -		mA												

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)	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	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1L2	STAIR LIGHTS FLOOR 4,5,6	A	E	28	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.85	-	500	LIM	>299	PASS	1.10	-	-	-	-	-	
1L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
2L1	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.06	-	500	LIM	>299	PASS	0.31	-	-	-	-	-	
2L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-	
2L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.05	-	500	LIM	>299	PASS	0.29	-	-	-	-	-	
3L1	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.15	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
3L2	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.55	1.57	1.79	1.03	-	500	LIM	>299	PASS	1.52	39	29	PASS	-	-	
3L3	LIGHT RISER	A	E	1	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	0.03	-	500	LIM	>299	PASS	0.28	-	-	-	-	-	
4L1	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	C	16	10	-	1.1	-	-	-	0.11	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
4L2	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	2.00	-	500	LIM	>299	PASS	2.25	-	-	-	-	-	
4L3	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.07	-	500	LIM	>299	PASS	0.32	-	-	-	-	-	
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 45 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 45			Supply BUSBAR BLOCK D - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.07		Ω		In -		ms							
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.70	19	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.36	1.69	2.7	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.45	1.55	0.81	-	500	LIM	>299	PASS	0.86	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.61	1.15	0.44	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.81	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.11	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 46 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 46			Supply BUSBAR BLOCK D - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.09 Ω		In - ms		I _{pf} 1.69 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.19	-	500	LIM	>299	PASS	0.33	32	14	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.31	0.53	0.20	-	500	LIM	>299	PASS	0.59	-	-	-	-	-			
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.25	0.49	-	500	LIM	>299	PASS	0.61	-	-	-	-	-			
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.21	-	500	LIM	>299	PASS	0.35	-	-	-	-	-			
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.33	-	-	-	-	-			
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.09	-	500	LIM	>299	PASS	1.23	-	-	-	-	-			
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.63	-	500	LIM	>299	PASS	0.77	-	-	-	-	-			
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.25	-	500	LIM	>299	PASS	0.39	-	-	-	-	-			
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 47 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 47			Supply BUSBAR BLOCK D - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.09		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.93	32	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.41	0.65	0.27	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.98	0.57	0.82	0.45	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.66	0.62	0.97	0.41	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.80	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.94	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.30	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																																
Designation DB 48 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																															
Location FLAT 48			Supply BUSBAR BLOCK D - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947							
Overcurrent protective device for distribution circuit			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.07		Ω		I _n -		ms		Z _s		0.07		Ω		I _n		-		ms		I _{pf}		2.77		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.39	-	500	LIM	>299	PASS	0.47	24	14	PASS	-	-									
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.45	0.60	0.26	-	500	LIM	>299	PASS	0.37	-	-	-	-	-									
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.70	0.71	1.04	0.43	-	500	LIM	>299	PASS	0.63	-	-	-	-	-									
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.27	-	500	LIM	>299	PASS	0.35	-	-	-	-	-									
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-									
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.77	-	500	LIM	>299	PASS	0.85	-	-	-	-	-									
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.75	-	500	LIM	>299	PASS	0.83	-	-	-	-	-									
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	-	-	-	-	-									
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN							

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 49 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 49			Supply BUSBAR BLOCK D - T04			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	44	20	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.38	0.62	0.24	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.58	1.0	0.39	-	500	LIM	>299	PASS	0.59	-	-	-	-	-	
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.80	0.79	1.45	0.56	-	500	LIM	>299	PASS	0.79	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.80	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.62	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 50 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 50			Supply BUSBAR BLOCK D - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			Rating			A			Nominal voltage			Z _s			In		RCD operating times		5I					
-			63						230			0.14		-		ms								
RCD BS EN			Poles			Rating			I _{pf}			-		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.87	-	500	LIM	>299	PASS	0.98	34	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.31	0.72	0.26	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.74	0.71	1.09	0.46	-	500	LIM	>299	PASS	0.74	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.42	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.22	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 51 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 51			Supply BUSBAR BLOCK D - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	31	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.36	0.57	0.23	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.61	0.57	0.93	0.38	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.03	0.41	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.39	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.22	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 52 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 52			Supply BUSBAR BLOCK D - T05			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Earth fault loop impedance		RCD		Earth electrode resistance					
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 3.22		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.86	-	500	LIM	>299	PASS	0.93	30	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.55	0.21	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.56	1.01	0.39	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.01	-	500	LIM	>299	PASS	1.08	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.62	-	500	LIM	>299	PASS	0.69	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.21	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 53 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 53			Supply BUSBAR BLOCK D - T06			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.13 Ω		In - ms		I _{pf} 3.35 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -		Rating -		mA																																		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.75	-	500	LIM	>299	PASS	0.82	34	20	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.25	0.25	0.51	0.19	-	500	LIM	>299	PASS	0.34	-	-	-	-	-			
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.37	0.63	0.24	-	500	LIM	>299	PASS	0.43	-	-	-	-	-			
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.50	0.91	0.36	-	500	LIM	>299	PASS	0.56	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.21	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.52	-	500	LIM	>299	PASS	0.59	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.35	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 54 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 54			Supply BUSBAR BLOCK D - T06			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.15		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.94	40	18	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.29	0.43	0.18	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.72	0.72	1.10	0.45	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-	
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-	
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-	
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.89	-	-	-	-	-	
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-	
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 55 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																		
Location FLAT 55			Supply BUSBAR BLOCK D - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times									
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.15		Ω		In -		ms							
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	53	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.30	0.65	0.24	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.47	0.87	0.34	-	500	LIM	>299	PASS	0.40	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.59	1.04	0.41	-	500	LIM	>299	PASS	0.65	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.96	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																							
Designation DB 56 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																			
Location FLAT 56				Supply BUSBAR BLOCK D - T07				Phases 1				Phase sequence confirmed -				Supply polarity confirmed YES				Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947							
Overcurrent protective device for distribution circuit												BS EN -				Rating 63		A		Nominal voltage 230		V		Z _s 0.16		Ω		In -		ms					
RCD BS EN -												Poles -		Rating -		mA		I _{pf} 3.16		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 (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	KITCHEN SOCKETS RADIAL	A	E	5	4	1.5	0.4	61009	C	32	6	30	0.54	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	21	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	4	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.26	0.28	0.42	0.17	-	500	LIM	>299	PASS	0.41	-	-	-	-	-
3	BEDROOMS A, B & C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.69	0.70	1.03	0.43	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.72	-	500	LIM	>299	PASS	0.79	-	-	-	-	-
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.92	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.20	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
9	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 57 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																
Location FLAT 57			Supply BUSBAR BLOCK D - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947								
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		In		-		ms					
RCD BS EN			-			Poles			-			Rating			-			mA		I _{pf}		-		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.91	33	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.30	0.52	0.20	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.50	1.03	0.38	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.54	0.85	2000	-	500	LIM	>299	PASS	0.70	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.77	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.32	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.39	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 58 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 58			Supply BUSBAR BLOCK D - T08			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.76 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	C	32	6	30	0.54	-	-	-	0.23	-	500	LIM	>299	PASS	0.31	19	19	PASS	-	-				
2	KITCHEN RING MAIN	A	E	4	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.28	0.49	0.20	-	500	LIM	>299	PASS	0.36	-	-	-	-	-				
3	BEDROOMS A, B & C RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.55	0.57	1.05	0.40	-	500	LIM	>299	PASS	0.58	-	-	-	-	-				
4	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.22	-	-	-	-	-				
5	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.23	-	-	-	-	-				
6	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.21	-	500	LIM	>299	PASS	1.29	-	-	-	-	-				
7	LIGHTS BEDROOMS	A	E	6	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.88	-	-	-	-	-				
8	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.28	-	500	LIM	>299	PASS	0.36	-	-	-	-	-				
9	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

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		
T07	70 (supply to DB 70 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.16	-	-	-	-	-		
T08	71 (supply to DB 71 [PROTEK])	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.05	-	-	LIM	>299	PASS	0.15	-	-	-	-	-		
T08	72 (supply to DB 72 [PROTEK])	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.05	-	-	LIM	>299	PASS	0.15	-	-	-	-	-		
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.03	-	-	LIM	>299	PASS	0.13	-	-	-	-	-		
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS														TEST INSTRUMENTS																			
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																			
DB LANDLORD BLOCK E [D.SMITH DB08X]				Supply				BUSBAR BLOCK E - T02						Supply polarity confirmed				YES															
Location				Phases		3		Phase sequence confirmed				PASS				Characteristics at board		RCD operating times		Continuity		8134947											
BLOCK E RISER GND. FLOOR				Overcurrent protective device for distribution circuit										Z _s		0.11 Ω		In		-		ms		Insulation resistance		8134947							
				BS EN		-		Rating		80		A		Nominal voltage		400		V		RCD		8134947											
				RCD BS EN		-		Poles		-		Rating		-		mA		I _{pf}		1.06		kA		5I		-		ms		Earth electrode resistance		8134947	
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					
1L1	STAIR LIGHTS FLOOR GROUND,1,2	A	E	27	1.5	1	0.4	60898	B	6	10	-	5.82	-	-	-	1.41	-	500	LIM	>299	PASS	1.68	-	-	-	-	-					
1L2	STAIR LIGHTS FLOOR 3,4,5,6	A	E	37	1.5	1	0.4	60898	B	10	10	-	3.5	-	-	-	2.56	-	500	LIM	>299	PASS	2.83	-	-	-	-	-					
1L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-					
2L1	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-					
2L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.33	-	-	-	-	-					
2L3	TV AMP 4TH FLOOR	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.22	-	500	LIM	>299	PASS	0.49	-	-	-	-	-					
3L1	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.43	1.44	2.48	0.98	-	500	LIM	>299	PASS	1.21	39	29	PASS	-	-					
3L2	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.18	-	500	LIM	>299	PASS	0.45	-	-	-	-	-					
3L3	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.31	-	-	-	-	-					
4L1	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.08	-	500	LIM	>299	PASS	0.35	-	-	-	-	-					
4L2	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.31	-	-	-	-	-					
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		Signature					<p><i>AS Stephenson</i></p> <p>CODES FOR TYPES OF WIRING</p> <p>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</p>																	
Position	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 59 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 59			Supply BUSBAR BLOCK E - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947	
Overcurrent protective device for distribution circuit												Characteristics at board												
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.11 Ω		In -		ms		
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	41	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.58	0.22	-	500	LIM	>299	PASS	0.48	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.62	0.90	0.36	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.41	0.70	0.27	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																
Designation DB 60 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
Location FLAT 60			Supply BUSBAR BLOCK E - T01			Phases 1			Phase sequence confirmed -			Overcurrent protective device for distribution circuit			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.11		Ω		In -		ms									
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} 2.5		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.78	-	-	LIM	>299	PASS	0.89	31.0	14.0	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.32	0.32	0.54	0.21	-	-	LIM	>299	PASS	0.32	-	-	-	-	-
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.67	0.26	-	-	LIM	>299	PASS	0.37	-	-	-	-	-
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.48	0.78	0.28	-	-	LIM	>299	PASS	0.39	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.12	-	-	LIM	>299	PASS	0.23	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	-	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.86	-	-	LIM	>299	PASS	0.97	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.91	-	-	LIM	>299	PASS	1.02	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	-	LIM	>299	PASS	0.20	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 61 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 61			Supply BUSBAR BLOCK E - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.19		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.93	32	18	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.27	0.33	0.45	0.18	-	500	LIM	>299	PASS	0.42	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.50	0.86	0.34	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.40	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.61	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.92	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 62 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 62			Supply BUSBAR BLOCK E - T03			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.17 Ω		In - ms		I _{pf} 0.99 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.83	-	500	LIM	>299	PASS	1.09	33	20	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.41	0.65	0.27	-	500	LIM	>299	PASS	0.58	-	-	-	-	-			
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.79	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-			
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.48	0.83	0.33	-	500	LIM	>299	PASS	0.57	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.32	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.03	-	500	LIM	>299	PASS	0.29	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.37	-	500	LIM	>299	PASS	0.63	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.59	-	500	LIM	>299	PASS	0.85	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.42	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 63 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used										
Location FLAT 63			Supply BUSBAR BLOCK E - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -		Continuity 8134947		Insulation resistance 8134947							
			Overcurrent protective device for distribution circuit										Characteristics at board		RCD operating times		Earth fault loop impedance 8134947						
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.16		Ω		In -		ms		RCD 8134947		
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		Earth electrode resistance 8134947		

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.53		14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.29	0.30	0.48	0.19	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
3	BEDROOMS C,D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.62	1.26	0.45	-	500	LIM	>299	PASS	0.66	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.41	0.43	0.71	0.28	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.92	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 64 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 64			Supply BUSBAR BLOCK E - T04			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.0	42	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.35	0.32	0.54	0.16	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.53	0.51	1.04	0.60	-	500	LIM	>299	PASS	0.78	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.64	0.26	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.71	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.11	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS																															
Designation DB 65 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																														
Location FLAT 65			Supply BUSBAR BLOCK E - T05			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES		Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.1 kA		5I - ms																									
			BS EN -		Rating 63		A		Nominal voltage 230 V																																		
			RCD BS EN -		Poles -				Rating -		mA																																

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.26	-	-	LIM	>299	PASS	0.38	18.6	18.5	PASS	-	-		
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.34	0.56	0.27	-	-	LIM	>299	PASS	0.39	-	-	-	-	-		
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.37	0.60	0.24	-	-	LIM	>299	PASS	0.36	-	-	-	-	-		
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.79	0.36	-	-	LIM	>299	PASS	0.48	-	-	-	-	-		
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	-	LIM	>299	PASS	0.25	-	-	-	-	-		
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	-	LIM	>299	PASS	0.23	-	-	-	-	-		
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.85	-	-	LIM	>299	PASS	0.97	-	-	-	-	-		
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.98	-	-	LIM	>299	PASS	1.10	-	-	-	-	-		
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	-	LIM	>299	PASS	0.21	-	-	-	-	-		
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 66 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 66			Supply BUSBAR BLOCK E - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	24	12	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.67	0.26	-	500	LIM	>299	PASS	0.46	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.68	0.27	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.49	0.80	0.32	-	500	LIM	>299	PASS	0.60	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.78	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	13	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.90	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS											
Designation DB 67 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used								
Location FLAT 67			Supply BUSBAR BLOCK E - T06			Supply polarity confirmed -			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity 8134947		
Overcurrent protective device for distribution circuit												Z _s 0.16 Ω			In - ms			Insulation resistance 8134947			Earth fault loop impedance 8134947		
BS EN -			Rating 63 A			Nominal voltage 230 V			I _{pf} - kA			5I - ms			RCD 8134947			Earth electrode resistance 8134947					
RCD BS EN -			Poles -			Rating - mA																	

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.08	31	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.32	0.32	0.57	0.22	-	500	LIM	>299	PASS	0.49	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.35	0.73	0.27	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.39	0.66	0.26	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.68	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.20	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 68 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used												
Location FLAT 68			Supply BUSBAR BLOCK E - T06			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board													
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.18		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.50	42	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.36	0.58	0.23	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
3	BEDROOMS C,D & E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.61	1.00	0.40	-	500	LIM	>299	PASS	0.62	-	-	-	-	-	
4	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.48	0.85	0.34	-	500	LIM	>299	PASS	0.62	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 69 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 69			Supply BUSBAR BLOCK E - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	1.01	41	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.30	0.60	0.22	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.34	0.57	0.23	-	500	LIM	>299	PASS	0.50	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.48	0.50	0.80	0.32	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.32	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.85	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	Signature		CODES FOR TYPES OF WIRING		
Position	APPROVED ELECTRICIAN					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 DB 70 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used																		
Location FLAT 70			Supply BUSBAR BLOCK E - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																			
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.16		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} 0.98		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.24	-	500	LIM	>299	PASS	0.50		15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.58	0.23	-	500	LIM	>299	PASS	0.53	-	-	-	-	-	
3	BEDROOMS A,B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.42	0.80	0.30	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
4	BEDROOMS C,D,E RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.54	1.03	0.40	-	500	LIM	>299	PASS	0.66	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.10	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.12	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.41	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.86	-	500	LIM	>299	PASS	1.12	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.16	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 71 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 71			Supply BUSBAR BLOCK E - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		I _n -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.98	-	19	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.36	0.39	0.57	0.23	-	500	LIM	>299	PASS	0.51	-	-	-	-	-
3	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.49	0.48	0.68	0.29	-	500	LIM	>299	PASS	0.58	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.44	0.73	0.29	-	500	LIM	>299	PASS	0.54	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.16	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.12	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																			
Designation DB 72 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used															
Location FLAT 72				Supply BUSBAR BLOCK E - T08				Supply polarity confirmed YES				Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947	
				Phases 1 Phase sequence confirmed -				Overcurrent protective device for distribution circuit				Characteristics at board		RCD operating times																	
				BS EN -		Rating 63		A		Nominal voltage 230 V		Z _s 0.15 Ω		In - ms																	
				RCD BS EN -		Poles -				Rating - mA		I _{pf} 0.92 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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.29	-	500	LIM	>299	PASS	0.58	33	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.39	0.40	0.57	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.39	0.58	0.24	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
4	BEDROOMS C, D & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.43	0.44	0.79	0.30	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.07	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.50	-	500	LIM	>299	PASS	0.76	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.93	-	500	LIM	>299	PASS	1.22	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.18	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
10	UNUSED	-	-	-	-	-	-	60898	B	6	6	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS																	TEST INSTRUMENTS																																							
Designation			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN														Serial or asset numbers of test instruments used																																							
BUSBAR BLOCK F			Supply			MAIN PANEL [DORMAN SMITH] - 6TP											Supply polarity confirmed					YES																																		
Location			Phases			3			Phase sequence confirmed								PASS					Continuity					8134947																													
BLOCK F RISER			Overcurrent protective device for distribution circuit														Characteristics at board					RCD operating times					Insulation resistance					8134947																								
			BS EN			60947 - 2			Rating			200			A			Nominal voltage			400			V			Z _s					0.07					Ω					In					-					ms				
			RCD BS EN			-			Poles			-			Rating			-			mA			I _{pf}					7.1					kA					5I					-					ms							
																								Earth fault loop impedance					8134947																											
																								RCD					8134947																											
																								Earth electrode resistance					8134947																											

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
T01	Supply to DB 73 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T01	Supply to DB 74 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T02	Supply to DB LANDLORD BLOCK F [D.SMITH DB08X]	F	E	1	25	SWA	5	-	-	63	-	-	-	-	-	-	0.01	-	-	LIM	>299	PASS	0.08	-	-	-	-	-
T03	Supply to DB 75 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.06	-	-	LIM	>299	PASS	0.13	-	-	-	-	-
T03	Supply to DB 76 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T04	Supply to DB 77 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T04	Supply to DB 78 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T05	Supply to DB 79 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T05	Supply to DB 80 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T06	Supply to DB 81 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T06	Supply to DB 82 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T07	Supply to DB 83 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-

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
T07	Supply to DB 84 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.08	-	-	LIM	>299	PASS	0.15	-	-	-	-	-
T08	Supply to DB 85 [PROTEK]	F	E	1	16	16	5	-	-	63	-	-	-	-	-	-	0.09	-	-	LIM	>299	PASS	0.16	-	-	-	-	-
T08	Supply to DB 86 [PROTEK]	F	E	1	16	16	5	88-2	-	63	-	-	0.62	-	-	-	0.07	-	-	LIM	>299	PASS	0.14	-	-	-	-	-
T09	LIFT	F	E	1	16	SWA	0.4	-	-	63	-	-	-	-	-	-	0.04	-	-	LIM	>299	PASS	0.11	-	-	-	-	-
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																											

BOARD CHARACTERISTICS														TEST INSTRUMENTS														
Designation				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used														
DB LANDLORD BLOCK F [D.SMITH DB08X]				Supply BUSBAR BLOCK F - T02				Supply polarity confirmed YES				Continuity 8134947																
Location				Phases 3 Phase sequence confirmed PASS				Characteristics at board RCD operating times				Insulation resistance 8134947																
BLOCK F RISER GND. FLOOR				Overcurrent protective device for distribution circuit				Z _s 0.08 Ω In - ms				Earth fault loop impedance 8134947																
				BS EN - Rating 63 A Nominal voltage 400 V				I _{pf} 1.0 kA 5I - ms				RCD 8134947																
				RCD BS EN - Poles - Rating - mA								Earth electrode resistance 8134947																
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
1L1	STAIR LIGHTS FLOOR GROUND,1,2,3	A	E	36	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	3.05	-	500	LIM	>299	PASS	3.28	-	-	-	-	-
1L2	FIREMANS SWITCH	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
1L3	COMMS CABINET	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.24	-	500	LIM	>299	PASS	0.47	-	-	-	-	-
2L1	STAIR LIGHTS FLOOR 4,5,6	A	E	26	1.5	1	0.4	60898	B	6	6	-	5.82	-	-	-	1.02	-	500	LIM	>299	PASS	1.25	-	-	-	-	-
2L2	DOOR MAG LOCK	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.06	-	500	LIM	>299	PASS	0.29	-	-	-	-	-
2L3	FIRE ALARM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	LIM	-	LIM	-	-	-	-	-
3L1	RING MAIN CLEANERS	A	E	14	2.5	1.5	0.4	61009	C	32	10	30	0.54	1.44	1.44	2.34	0.94	-	500	LIM	>299	PASS	1.08	39	29	PASS	-	-
3L2	VOICE DOOR ACCESS	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.04	-	500	LIM	>299	PASS	0.27	-	-	-	-	-
3L3	RISER SOCKET	A	E	1	2.5	1.5	0.4	60898	B	16	10	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.34	-	-	-	-	-
4L1	CCTV	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.05	-	500	LIM	>299	PASS	0.28	-	-	-	-	-
4L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7TP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineer	ANTONY STEPHENSON				Date	17 Aug 2020		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	APPROVED ELECTRICIAN																													

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 73 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 73			Supply BUSBAR BLOCK F - T01			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 3.82		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.82	-	500	LIM	>299	PASS	0.88	31	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.43	0.18	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.45	0.75	0.30	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.53	0.89	0.35	-	500	LIM	>299	PASS	0.56	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.15	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.25	-	500	LIM	>299	PASS	0.31	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.51	-	500	LIM	>299	PASS	1.57	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.93	-	500	LIM	>299	PASS	0.99	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.27	-	500	LIM	>299	PASS	0.33	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 74 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 74			Supply BUSBAR BLOCK F - T01			Phases 1			Phase sequence confirmed -				Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times		Z _s 0.14 Ω		In - ms		I _{pf} 3.85 kA		5I - ms											
			BS EN -		Rating 63		A		Nominal voltage 230 V																								
			RCD BS EN -		Poles -		Rating -		mA																								

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.98	-	500	LIM	>299	PASS	1.04	42	15	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.37	0.59	0.25	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
3	BEDROOM A, B & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.77	0.77	1.14	0.48	-	500	LIM	>299	PASS	0.43	-	-	-	-	-
4	BEDROOMS D & C RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.45	0.45	0.79	2000	-	500	LIM	>299	PASS	0.67	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.39	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.17	-	500	LIM	>299	PASS	0.23	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.78	-	500	LIM	>299	PASS	1.84	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.32	-	500	LIM	>299	PASS	1.38	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.23	-	500	LIM	>299	PASS	0.29	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 75 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 75			Supply BUSBAR BLOCK F - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.13		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.90	32	14	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.46	0.18	-	500	LIM	>299	PASS	0.35	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.44	0.45	1.65	0.25	-	500	LIM	>299	PASS	0.38	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.60	0.62	0.90	0.37	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.20	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.95	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.49	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.44	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 76 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 76			Supply BUSBAR BLOCK F - T03			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	58	14	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.56	0.22	-	500	LIM	>299	PASS	0.38	-	-	-	-	-
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.60	1.04	0.41	-	500	LIM	>299	PASS	0.64	-	-	-	-	-
4	BEDROOMS A, B & E RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.71	0.74	1.20	0.48	-	500	LIM	>299	PASS	0.59	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.22	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	2.43	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	11	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	3.29	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.37	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS												
Designation DB 77 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used											
Location FLAT 77			Supply BUSBAR BLOCK F - T04			Supply polarity confirmed -			Phases 1			Phase sequence confirmed -			Characteristics at board			RCD operating times			Continuity		8134947	
			Overcurrent protective device for distribution circuit															Insulation resistance		8134947				
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.15		Ω		In -		ms		Earth fault loop impedance		8134947	
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} -		kA		5I -		ms		RCD		8134947	
																		Earth electrode resistance		8134947				

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.83	33	19	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.57	0.55	0.70	0.32	-	500	LIM	>299	PASS	0.41	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.47	1.02	0.36	-	500	LIM	>299	PASS	0.52	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.48	0.87	0.35	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.26	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.23	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.76	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.46	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.42	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 78 [PROTEK]				APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used									
Location FLAT 78				Supply BUSBAR BLOCK F - T04				Supply polarity confirmed YES				Characteristics at board				RCD operating times				Continuity		8134947			
				Phases 1 Phase sequence confirmed -				Overcurrent protective device for distribution circuit				Z _s 0.14 Ω In - ms				I _{pf} 2.12 kA 5I - ms				Insulation resistance		8134947			
				BS EN - Rating 63 A Nominal voltage 230 V												Earth fault loop impedance				8134947					
				RCD BS EN - Poles - Rating - mA												RCD				8134947					
																Earth electrode resistance				8134947					

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.82	-	500	LIM	>299	PASS	0.93	41	18	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.38	0.38	0.56	0.23	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
3	BEDROOMS A & E RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.46	0.81	0.32	-	500	LIM	>299	PASS	0.44	-	-	-	-	-	
4	BEDROOMS B, C & D RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.49	0.81	0.32	-	500	LIM	>299	PASS	0.56	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.24	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.30	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.05	-	500	LIM	>299	PASS	1.16	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	2.0	-	500	LIM	>299	PASS	2.11	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.13	-	500	LIM	>299	PASS	0.24	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 79 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 79			Supply BUSBAR BLOCK F - T05			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.15		Ω		In -		ms									
RCD BS EN			-			Poles -			Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.85	33	19	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.51	0.20	-	500	LIM	>299	PASS	0.40	-	-	-	-	-	
3	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.50	0.47	0.66	0.29	-	500	LIM	>299	PASS	0.51	-	-	-	-	-	
4	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.34	0.34	0.65	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.98	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.30	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 80 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 80			Supply BUSBAR BLOCK F - T05			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} 3.01		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.02	-	500	LIM	>299	PASS	1.10	43	20	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.37	0.62	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-
3	BEDROOMS B,C,D RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.59	0.61	0.98	0.39	-	500	LIM	>299	PASS	0.62	-	-	-	-	-
4	BEDROOMS A,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.57	0.85	0.35	-	500	LIM	>299	PASS	0.63	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.16	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	16	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.99	-	500	LIM	>299	PASS	1.07	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.50	-	500	LIM	>299	PASS	1.58	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.18	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 81 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 81			Supply BUSBAR BLOCK F - T06			Phases 1			Phase sequence confirmed -				Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947									
Overcurrent protective device for distribution circuit												Characteristics at board										RCD operating times											
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z_s 0.14		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I_{pf} -		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 (r)	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	
1	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.29	38	28	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.46	0.18	-	500	LIM	>299	PASS	0.33	-	-	-	-	-	
3	BEDROOMS C & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.40	0.40	0.67	0.26	-	500	LIM	>299	PASS	0.39	-	-	-	-	-	
4	BEDROOMS A & B RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.33	0.33	0.57	0.22	-	500	LIM	>299	PASS	0.54	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.67	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.06	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																													
Designation DB 82 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																												
Location FLAT 82			Supply BUSBAR BLOCK F - T06			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.0 kA		5I - ms																							
			BS EN -		Rating 63		A		Nominal voltage 230 V																																
			RCD BS EN -		Poles -				Rating -		mA																														

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.97	-	500	LIM	>299	PASS	1.08	34	20	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.34	0.54	0.23	-	500	LIM	>299	PASS	0.43	-	-	-	-	-			
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.62	0.64	0.93	0.39	-	500	LIM	>299	PASS	0.48	-	-	-	-	-			
4	BEDROOMS D,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.65	0.66	1.04	0.42	-	500	LIM	>299	PASS	0.42	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.20	-	500	LIM	>299	PASS	0.31	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.18	-	500	LIM	>299	PASS	0.39	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.15	-	500	LIM	>299	PASS	1.26	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.88	-	500	LIM	>299	PASS	0.99	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.12	-	500	LIM	>299	PASS	0.23	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS													
Designation DB 83 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN												Serial or asset numbers of test instruments used										
Location FLAT 83			Supply BUSBAR BLOCK F - T07			Phases 1			Phase sequence confirmed -			Supply polarity confirmed -			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
Overcurrent protective device for distribution circuit												Characteristics at board						RCD operating times							
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.15		Ω		I _n -		ms	
RCD BS EN			-			Poles -			Rating -			mA			I _{pf} -		kA		5I _n -		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.46	35	7	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.28	0.28	0.47	0.19	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
3	BEDROOMS A,B,C RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.47	0.46	0.75	0.30	-	500	LIM	>299	PASS	0.52	-	-	-	-	-
4	BEDROOMS D,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.53	0.76	0.32	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.17	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	LIM	-	500	LIM	>299	PASS	0.24	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	0.97	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	12	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	LIM	-	500	LIM	>299	PASS	1.04	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	LIM	-	500	LIM	>299	PASS	0.21	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN										

BOARD CHARACTERISTICS												TEST INSTRUMENTS																													
Designation DB 84 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																												
Location FLAT 84			Supply BUSBAR BLOCK F - T07			Supply polarity confirmed YES			Phases 1 Phase sequence confirmed -				Characteristics at board		RCD operating times		Continuity		8134947		Insulation resistance		8134947		Earth fault loop impedance		8134947		RCD		8134947		Earth electrode resistance		8134947						
Overcurrent protective device for distribution circuit												Z _s 0.15 Ω		In - ms		I _{pf} 2.28 kA		5I - ms																							
			BS EN -		Rating 63		A		Nominal voltage 230 V																																
			RCD BS EN -		Poles -				Rating -		mA																														

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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.79	-	500	LIM	>299	PASS	0.89	34	28	PASS	-	-			
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.37	0.36	0.65	0.25	-	500	LIM	>299	PASS	0.45	-	-	-	-	-			
3	BEDROOMS A,E RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.52	0.48	0.88	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-			
4	BEDROOMS B,C,D RING MAIN	A	E	9	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.56	0.58	0.86	0.35	-	500	LIM	>299	PASS	0.51	-	-	-	-	-			
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.11	-	500	LIM	>299	PASS	0.21	-	-	-	-	-			
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.23	-	-	-	-	-			
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	15	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.09	-	500	LIM	>299	PASS	1.19	-	-	-	-	-			
8	LIGHTS BEDROOMS	A	E	10	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.35	-	500	LIM	>299	PASS	0.45	-	-	-	-	-			
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.15	-	500	LIM	>299	PASS	0.25	-	-	-	-	-			
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																
Designation DB 85 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used															
Location FLAT 85			Supply BUSBAR BLOCK F - T08			Phases 1			Phase sequence confirmed -			Overcurrent protective device for distribution circuit			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947		
			BS EN -		Rating 63		A		Nominal voltage 230		V		Z _s 0.16		Ω		In -		ms									
			RCD BS EN -		Poles -				Rating -		mA		I _{pf} 3.21		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	0.87	-	500	LIM	>299	PASS	0.94	31	16	PASS	-	-
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.31	0.31	0.94	0.31	-	500	LIM	>299	PASS	0.36	-	-	-	-	-
3	BEDROOMS A & B RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.38	0.39	0.59	0.24	-	500	LIM	>299	PASS	0.55	-	-	-	-	-
4	BEDROOMS C & D RING MAIN	A	E	6	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.42	0.39	0.66	0.27	-	500	LIM	>299	PASS	0.53	-	-	-	-	-
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.20	-	-	-	-	-
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.19	-	500	LIM	>299	PASS	0.26	-	-	-	-	-
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	0.80	-	500	LIM	>299	PASS	0.87	-	-	-	-	-
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.17	-	500	LIM	>299	PASS	1.24	-	-	-	-	-
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	500	LIM	>299	PASS	0.16	-	-	-	-	-
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

BOARD CHARACTERISTICS												TEST INSTRUMENTS																					
Designation DB 86 [PROTEK]			APPLIES WHEN NOT CONNECTED TO INSTALLATION ORIGIN										Serial or asset numbers of test instruments used																				
Location FLAT 86			Supply BUSBAR BLOCK F - T08			Phases 1			Phase sequence confirmed -			Supply polarity confirmed YES			Continuity 8134947		Insulation resistance 8134947		Earth fault loop impedance 8134947		RCD 8134947		Earth electrode resistance 8134947										
Overcurrent protective device for distribution circuit												Characteristics at board		RCD operating times																			
BS EN			-			Rating 63			A			Nominal voltage 230			V			Z _s 0.14		Ω		In -		ms									
RCD BS EN			-			Poles -						Rating -			mA			I _{pf} 3.03		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 (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	KITCHEN SOCKETS RADIAL	A	E	3	4	1.5	0.4	61009	B	32	6	30	1.1	-	-	-	1.02	-	500	LIM	>299	PASS	1.10	43	15	PASS	-	-	
2	KITCHEN RING MAIN	A	E	5	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.30	0.28	1.31	0.35	-	500	LIM	>299	PASS	0.49	-	-	-	-	-	
3	BEDROOMS B, C & D RING MAIN	A	E	12	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.54	0.51	0.95	0.37	-	500	LIM	>299	PASS	0.47	-	-	-	-	-	
4	BEDROOMS A & D RING MAIN	A	E	8	2.5	1.5	0.4	60898	B	32	6	-	1.1	0.51	0.54	0.59	0.27	-	500	LIM	>299	PASS	0.36	-	-	-	-	-	
5	WATER HEATER BOTTOM	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.13	-	500	LIM	>299	PASS	0.21	-	-	-	-	-	
6	WATER HEATER TOP	A	E	1	2.5	1.5	0.4	60898	B	16	6	-	2.18	-	-	-	0.14	-	500	LIM	>299	PASS	0.22	-	-	-	-	-	
7	LIGHTS KITCHEN, PODS, CORRIDOR & FAN	A	E	14	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.22	-	500	LIM	>299	PASS	1.30	-	-	-	-	-	
8	LIGHTS BEDROOMS	A	E	8	1.5	1	0.4	60898	B	10	6	-	3.5	-	-	-	1.44	-	500	LIM	>299	PASS	1.52	-	-	-	-	-	
9	HOB	A	E	1	6	2.5	0.4	60898	B	32	6	-	1.1	-	-	-	0.09	-	500	LIM	>299	PASS	0.17	-	-	-	-	-	
10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Engineer	ANTONY STEPHENSON	Date	17 Aug 2020	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	APPROVED ELECTRICIAN														

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.