ELECTRICAL INSTALLATION CONDITION REPORT

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Attendance Record

Work reference:	ESEIT33020
Site:	UPP - Swansea University Cadel, Cardigan, Llansteffan & Talacharn Bay Campus Fabian Way Crymlyn Burrows Swansea SA1 8EP
Date of attendance:	10/11/2025
Purchase order issued	PO-078891
Engineer Name	Grant Maclachlan
Engineers Signature	G.c. Maclachlan
Site Representative	
Site Representative Signature	

Any observations noted within this report which make the installation unsatisfactory have been relayed to our Estimating team who will produce a quotation and send it on as soon as possible.

ELECTRICAL INSTALLATION CONDITION REPORT
(Electrical Installations – BS7671 IET Wiring Regulations)

PTSG PREMIER TECHNICAL SERVICES GROUP Electrical Services Ltd

Reference Number	ESEITTC10070114_28	PTSG Job Ref	ESEIT33020

Client Details 1

Details of Client

UPP Residential Services Ltd
1st Floor
12 Arthur Street
City of London
London
EC4R 9AB

Reason for producing the report:

Periodic inspection to assess the condition of the installation, its suitability for safe continued use and compliance with BS 7671

Details of the Installation 2

Occupier and Address:

UPP - Swansea University Llansteffan
Cadel, Cardigan, Llansteffan & Talacharn
Bay Campus Fabian Way Crymlyn Burrows
Swansea
SA1 8EP

Description of Premises:	Commercial		
Estimated age of wiring (years)	9		
Evidence of additions / alterations	No	If Yes, Age yrs	N/A
Installation records available	Yes		
Date of last inspection	N/A		

Extent and Limitations of Inspection and Testing 3

Extent of installation covered by this report

Fixed wired 230-400V electrical installation. 100% inspection and testing of all circuits within the whole installation

where accessible and subject to limitations. At least 10% of accessories removed for inspection. Testing carried out in accordance with Guidance Note 3 section 3.8.4.

Agreed limitations on inspection and testing

Cables concealed within trunking and conduits, or cables and conduits concealed under floors in accessible roof spaces and generally within the fabric of the building or underground have not been inspected;The Installation Reference Methods for cabling have been estimated due to circuits/cables being concealed within the fabric of the building;Testing was not conducted at equipment located above 3 metres from the floor or where the engineer can stand as per Guidance Note 3 Table 3.4 Note 5. Testing will be carried out at any accessible point of the circuit which is lower than 3 metres.;Circuits with sensitive electronics including control units, dimmer packs and microprocessors, or deemed vulnerable by engineer, have not been tested for insulation resistance;Circuits supplying lighting and similar equipment that cannot reasonably be disconnected have been tested with line and neutral conductors connected together to Earth (Regulation 643.3.1 & 643.3.3);Circuits believed to be supplying vulnerable equipment have been tested for insulation resistance at 250V d.c. only;Presence of fire barriers, suitable seals and protection against thermal effects, have undergone an inspection to the accessible areas only;Circuits supplying heating, ventilation and air conditioning panels have been tested up to the isolation point within the panel;Lift Shafts and Lift equipment have not been accessed and are out of the scope of this report

Operational limitations on inspection and testing

The Service Head cut-out fuses have not been visually inspected as items are sealed by the District Network Operator. Information, if recorded in this report, is as detailed on the fuse carrier.;Isolation and verification of circuits and equipment has been carried out where possible within the constraints of site operations;Circuits not energised at time of test, such as Off Peak heating supplies etc., have not been tested for Earth Loop Impedance, an R1 + R2 test has been performed for these circuits to prove earth continuity.;Due to any large furniture/equipment which could not be moved by the engineer at the time the inspection and tests were carried out, only accessible points are included in this report; Any Distribution board which cannot be fully isolated for safety or operational reasons has not had any 'dead' tests carried out which involves dismantling of circuits, to protect the engineer carrying out the testing and adhere to the Electricity at Work Regulations 1989

Operational limitations were agreed with:

Name: Grant Adams Position: Maintenance Manager

The inspection and testing detailed in this report and accompanying schedules has been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to **No.3-July 2024** It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment

Overall Assessment of the Installation 4

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) and/or Further Investigation (FI) conditions have been identified.

Declaration 5

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 are when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations listed above.

Inspected and Tested by:		Report reviewed and authorised for Issue by:	
Name:	Grant Maclachlan	Name:	Laura Davies
Position:	EIT Engineer	Position:	EIT Administrator
Date:	10/11/2025	Date:	11/11/2025
Signature:	G.c. Maclachlan	Signature:	

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Details of the Contractor Responsible for the Inspection and Testing 6

Company and Address including postcode

PTSG Electrical Services
11-14 Flemming Court
Whistler Drive
Castleford
WF10 5HW

Reason for producing the report:

Telephone Number: 01977 668771

CPS Provider: NICEIC

CPS Registration No: 32237

Recommendations 7

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 – Danger Present' or 'Code 2 – Potentially dangerous' are acted upon as a matter of urgency. Investigations without delay is recommended for observations identified as 'Code FI – Further Investigation Required'. Observations classified as 'Code 3 – Improvement recommended' should be given due consideration.

Please see additional comments on next page.

Subject to the necessary remedial action being taken I/We recommend that the installation is further inspected and tested after an interval not exceeding: 5 years

Supply Characteristics & Earthing Arrangements 8

System Earthing Arrangement:	TN-C-S			No & Type of Live Conductors:	3 phase – 4 wire – a.c.		
Other Sources of supply (to be detailed on attached schedule)	✓	Supply Polarity	✓	Nominal Voltage(1) U_o	230 V	U	400 V
Supply Protective Device				Nominal Frequency, f(1)	50 Hz		
BS (EN):	LIM	Type	LIM	External Loop Impedance, Z_e	0.03 Ω		
Rating:	LIM A	Breaking capacity	LIM kA	Prospective Fault Current, Ipf (kA)	18.20 kA		

(1) By Enquiry
(2) By Enquiry or by measurement

Particulars of the Installations 9

Maximum Demand (Load)	N/V A	Fault Protection	ADS	**Main Switch or Circuit Breaker**					
Means of Earthing		**Electrode Details** (if applicable)		Location	MBP/RESI				
Distributors Facility	✓	Type	N/A	BS(EN)	60947	Voltage Rating	400 V		
Installation Earth Electrode	N/A	Location	N/A	Type	MCCB	RCD Operating Current	N/A		
		Resistance to Earth	N/A	Current Rating	1250	RCD Rated Time Delay	N/A ms		
				No. of poles	4	RCD Operating Time at @IΔn	N/A ms		
Main Protective Conductors									
Earth Conductor		Material	Copper	Csa	185 mm2	Continuity &Connection	✓		
Water	✓	Material	Copper	Csa	50 mm2				
Gas	✓	Material	Copper	Csa	50 mm2				
Oil	N/A	Material	N/A	Csa	N/A mm2				
Steel	N/A	Material	N/A	Csa	N/A mm2				
Other	Dry Riser	Material	Copper	Csa	50 mm2				

Observations

Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1 of this report under 'Extent and Limitations of Inspection and Testing'

No remedial action required: N/A

The following observations are made: ✓

Observation(s)

Please see observation sheet at the end of the report

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General condition of the Installation in terms of Electrical Safety

Adequacy of earthing and bonding:
Main earthing and protective bonding conductors are of adequate size for the installation

Suitability of switchgear and control gear:
The majority of the devices protecting circuits are bs60898 or bs 61009 amd other listed in the observations. They are all correct type and ratinv fpr continued use

The type(s) of wiring system, and its condition:
Distribution circuits are wired in XLPE/SWA cable using the reference method E. Final circuits wired in Bs6242B cable using reference method E.
There is not a mixture of new and old colours

The serviceability of equipment, including accessories:
Equipment and accessories visually inspected throughout were found to be in a satisfactory condition

The presence of adequate identification and notices:
Bs 951 electrical safety connections are present. There are some missing/ inaccurate/ ouf of date circuit scheduals at DBs that require updating

The extent of any wear and tear, damage, or other deterioration:
There are no signs of wear and tear or damage other than listed in observations

Changes in the use of the building which may lead to deficiencies in the installation:
There have not been any changes in the buildings.

Other Comments

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Inspection Schedule (1)

✔: Acceptable Condition. C1 or C2: Unacceptable Condition. C3: N/V: Not verified. LIM: Limitation N/A: Not applicable. FI: Further Investigation Improvement recommended.

1. External Condition of Intake Equipment (Visual Inspection Only)	Comments	Outcome
Service Cable		✓
Service Head		✓
Earthing Arrangements		✓
Meter tails		✓
Metering equipment		✓
Isolator (where present)	N / A	N/A
2. Presence of Adequate Arrangements for Parallel or Switched Alternative Sources		
Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)		N/A
Adequate arrangements where a generating set operates in parallel with the public supply (551.7)		N/A
3. Automatic Disconnection of Supply		
Main earthing/bonding arrangements (411.4; Chapter 54):		
Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2) or earth electrode arrangement (542.1.2.3)		✓
Adequacy of earthing conductor size (542.3; 543.1.1)		✓
Adequacy of earthing conductor connections (542.3.2)		✓
Accessibility of earthing conductor connections (543.3.2)		✓
Adequacy of main protective bonding conductor sizes (544.1)		✓
Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		✓
Accessibility of all protective bonding connections (543.3.2)		✓
Provision of earthing/bonding labels at all appropriate locations (514.13)		✓
FELV (Functional extra-low voltage) – requirements satisfied (411.7; 411.7.1)		N/A
4. Other Methods of Protection (Where the methods listed below are employed details should be provided on separate sheets)		
Non-conducting location (418.1)		N/A
Earth-free local equipotential bonding (418.2)		N/A
Electrical separation (Section 413; 418.3)		N/A
Double insulation (Section 412)		N/A
Reinforced insulation (Section 412)		N/A
5. Distribution Equipment		
Adequacy of working space/accessibility to equipment (132.12; 513.1)		✓
Security of fixing (134.1.1)		✓
Condition of insulation of live parts (416.1)		✓
Adequacy/security of barriers (416.2)		✓
Condition of enclosure(s) in terms of IP rating etc (416.2)		C3
Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)		✓
Enclosure not damaged/deteriorated so as to impair safety (651.2)		✓

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Inspection Schedule (2)

Presence and effectiveness of obstacles (417.2)		N / A
Placing out of reach (417.3)		N / A
Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)		✓
Operation of main switch(es) (functional check) (643.10)		L I M
Manual operation of circuit-breakers, RCDs and AFDD's to prove functionality (643.10)		C 3
Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)		✓
RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)		N / A
Confirmation of indication that SPD is functional (651.4)		✓
RCD(s) provided for additional protection/requirements, where required - includes RCBOs (411.3.3; 415.1)		✓
Presence of RCD six-monthly test notice at or near requirement, where required (514.12.2)		✓
Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		C 3
Presence of alternative supply warning notice at or near equipment, where required (514.15)		N / A
Presence of next inspection recommendation label (514.12.1)		✓
Presence of other required labelling (please specify) (Section 514)		N / A
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)		✓
Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		✓
Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)		✓
Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		✓
6. Distribution Circuits		
Identification of conductors (514.3.1)		✓
Cables correctly supported throughout their run (521.10.202; 522.8.5)		✓
Condition of insulation of live parts (416.1)		✓
Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)		✓
Suitability of containment systems for continued use (including flexible conduit) (Section 522)		✓
Cables correctly terminated in enclosures (Section 526)		✓
Confirmation that ALL conductor connections, including to busbars, are correctly located in terminals and are tight and secure (526.1)		L I M
Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)		✓
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		✓
Adequacy of protective devices: type and rated current for fault protection (411.3)		✓
Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		✓
Coordination between conductors and overload protective devices (433.1; 533.2.1)		✓
Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)		✓
Where exposed to direct sunlight, cable of a suitable type (522.11.1)		✓

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Inspection Schedule (3)

Cables concealed under floors, above ceiling, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts:

1 installed in prescribed zones (see Extent and Limitations)(522.6.202)* or		L I M
2 incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damaged by nails, screws and the like (see Extent and Limitations)(522.6.204)*		L I M
Provision of fire barriers, sealing arrangements and protection again thermal effects (Section 527)		✓
Band II cables segregated/separated from Band I cables (528.1)		✓
Cables segregated/separated from non-electrical services (528.3)		✓
Condition of circuit accessories (651.2)		✓
Suitability of circuit accessories for external influences (512.2)		✓
Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		✓
Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify/record numbers and locations of items inspected (Section 526)		✓
Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)		✓
General condition of wiring systems (651.2)		✓
Temperature rating of cable insulation (522.1.1; Table 52.1)		✓

7. Final Circuit

Identification of conductors (514.3.1)		✓
Cables correctly supported throughout their run (521.10.202; 522.8.5)		✓
Condition of insulation of live parts (416.1)		✓
Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)		✓
Suitability of containment systems for continued use (including flexible conduit) (Section 522)		✓
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		✓
Adequacy of protective devices: type and rated current for fault protection (411.3)		✓
Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		✓
Coordination between conductors and overload protective devices (433.1; 533.2.1)		✓
Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)		✓
Cables concealed under floors, above ceilings, in walls/partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204)		
1 installed in prescribed zones (see Extent and Limitations) (522.6.202)		L I M
2 incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damaged by nails, screws and the like (see Extent and Limitations)(522.6.201; 522.6.204) or*		L I M
Provision of additional protection by 30 mA RCD		
1 *for all socket-outlets of rating 32 A or less unless exempt (41.3.3)		✓
2 *for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)		✓
3 *for cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)		✓
4 *for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)		N / A
5 *for final circuits supplying luminaires within domestic (household) premises (411.3.4)		N / A

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Inspection Schedule (4)

Provision of fire barriers, sealing arrangements and protection again thermal effects (Section 527)		✓
Band II cables segregated/separated from Band I cables (528.1)		✓
Cables segregated/separated from non-electrical services (528.3)		✓
Termination of cables at enclosures - identify/record numbers and location of items inspected (Section 526) (Extent of sampling is indicated in Section 3)		
1 Connections under no undue strain (526.6)		✓
2 No basic insulation of conductor visible outside enclosure (526.8)		✓
3 Connections of live conductors adequately enclosed (526.5)		✓
4 Adequately connected at point of entry to enclosure (glands, bushes etc) (522.8.5)		✓
Condition of accessories including socket-outlets, switches and joint boxes (651.2)		✓
Suitability of accessories for external influences (512.2)		✓
Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		✓
8. Isolation and Switching		
Isolators (Sections 460; 537)		
1 Presence and condition of appropriate devices (Section 462; 537.2)		✓
2 Acceptable location - state if local or remote from equipment in question (Section 462; 537.2.7)	L o c a l & R e m o t e	✓
3 Capable of being secured in the OFF position (462.3)		✓
4 Correct operation verified (643.10)		✓
5 Clearly identified by position and/or durable marking (537.2.7)		✓
6 Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)		N / A
Switching off for mechanical maintenance (Section 464; 537.3.2)		
1 Presence and condition of appropriate devices (Section 464.1; 537.3.2)		✓
2 Acceptable location - state if local or remote from equipment in question (537.3.2.4)	L o c a l & R e m o t e	✓
3 Capable of being secured in the OFF position (462.3)		✓
4 Correct operation verified (643.10)		✓
5 Clearly identified by position and/or durable marking (537.3.2.4)		✓
Emergency switching/stopping (Section 465; 537.3.3)		
1 Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)		✓
2 Readily accessible for operation where danger might occur (537.3.3.6)		✓
3 Correct operation verified (643.10)		✓
4 Clearly identified by position and/or durable marking (537.3.3.6)		✓
Functional switching (Section 463; 537.3.1)		
1 Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)		✓
2 Correct operation verified (537.3.1.1; 537.3.1.2)		✓

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Inspection Schedule (5)

9. Current Using Equipment (Permanently Connected)

Condition of equipment in terms of IP rating etc (416.2)		✓
Equipment does not constitute a fire hazard (Section 421)		✓
Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)		✓
Suitability for the environment and external influences (512.2)		✓
Security of fixing (134.1.1)		✓
Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page)(527.2)(Extent of sampling is indicated in Section 3)		✓
Recessed luminaires (downlighters)		
1 Correct type of lamps fitted (559.3.1)		N/A
2 Installed to minimise build-up of heat by use of "fire rated" fitting, insulation displacement box or similar (421.1.2)		N/A
3 No signs of overheating to surrounding building fabric (559.4.1)		N/A
4 No signs of overheating to conductors/ terminations (526.1)		N/A

10. Location(s) containing a Bath or Shower

	Comments	
Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)		✓
Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)		N/A
Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		N/A
Presence of supplementary bonding conductors, unless not required by BS7671:2018 (701.415.2)		✓
Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)		N/A
Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		✓
Suitability of accessories and control gear etc. for a particular zone (701.512.3)		✓
Suitability of current-using equipment for particular position within the location (701.55)		✓

11. Special Installations or Locations (if any special installations or locations are present, list the particular inspections applied on a separate sheet

Inspected by

Name:	Grant Maclachlan	**Position:**	EIT Engineer
Date:	10/11/2025	**Signature:**	G.c. Maclachlan

Circuit Details

Reference Number ESEITTC10070114_27 **PTSG Job Ref** ESEIT33020

DB Reference: DB-PL-C-Power+1 DB Location: Llansteffan C - Roof Plant Room

Distribution Board Comments: N/A

Supply From: DB Reference: Rising Busbar (Core C) Circuit Number: 19/TP

Over Current Device: 60947 MCCB RCD Operating Current: N/A mA

SPD Type(s): 1&2 SPD Indicator: ✓ Device Rating: 100 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
13/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24/TP	Surge Protection	Radial Circuit	1	5	60898	C	40	10	0.5462	N/A	N/A	N/A	N/A	D	B	10	10

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_27**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-PL-C-Power+1	DB Location	Llansteffan C - Roof Plant Room

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	William King	Date	14/08/2025
Signature			

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	4.06	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
13/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
14/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
15/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
16/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
17/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
18/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
19/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
20/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
21/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
22/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
23/TP	N/A	N/A	N/A	0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.11	N/A	N/A	N/A	N/A	
24/TP	N/A	N/A	N/A	0.01	N/A	>999	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_26 **PTSG Job Ref** ESEIT33020

DB Reference: DB-PL-C-Power
DB Location: Llansteffan C - Roof Plant Room
Distribution Board Comments: N/A
Supply From: DB Reference: Rising Busbar (Core C); Circuit Number: 19/TP
Over Current Device: 60947 MCCB
RCD Operating Current: N/A mA
SPD Type(s): 1&2
SPD Indicator: ✓
Device Rating: 100 A
Type S RCD: N/A
RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Plant Room Ring Circuit	Ring Final Circuit	3	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	2.5
1/L2	Interface Unit Supply	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	D	B	2.5	2.5
1/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L1	Roof Extract Fan No 59	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
3/L2	Roof Extract Fan No 22	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
3/L3	Roof Extract Fan No 23	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
4/L1	Roof Extract Fan No 24	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
4/L2	Roof Extract Fan No 25	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
4/L3	Roof Extract Fan No 26	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
5/L1	Roof Extract Fan No 27	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
5/L2	Roof Extract Fan No 28	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
5/L3	Roof Extract Fan No 30	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
6/L1	Roof Extract Fan No 31	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
6/L2	Roof Extract Fan No 32	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
6/L3	Roof Extract Fan No 33	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
7/L1	Roof Extract Fan No 34	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
7/L2	Roof Extract Fan No 35	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
7/L3	Roof Extract Fan No 60	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
8/L1	Seventh Roof Extract Fan No 29	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
8/L2	Roof Extract Fan No 62	Radial Circuit	1	0.4	60898	B	16	10	2.7312	N/A	N/A	N/A	N/A	O	E&F	2.5	2.5
8/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Circuit Details

Reference Number	**ESEITTC10070114_26**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-PL-C-Power			DB Location	Llansteffan C - Roof Plant Room		
Distribution Board Comments	DB Reference	Circuit Number					
N/A	Supply From	Rising Busbar (Core C)	19/TP	Over Current Device	60947 MCCB	RCD Operating Current	N/A mA
	SPD Type(s)	1&2	SPD Indicator ✓	Device Rating	100 A	Type S RCD	N/A
						RCD Operating time at IΔn	N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
12/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring:	A. PVC/PVC Cables	B. PVC Cables in metallic conduit	C. PVC Cables in non-metallic conduit	D. PVC Cables in metallic trucking	E. PVC Cables in non-metallic trucking	F. PVC/SWA Cables	G. XLPE/SWA cables	H Mineral Insulated Cables	NA. N/A
Installation methods	A. In conduit in thermally insulated wall	B. In conduit on a wall or in trucking	C. Clipped direct	D. Direct buried or in ducting or conduit in ground	E&F. In free air or on cable tray or ladder touching	G. In free air or on cable	100. Twin and Earth above plasterboard ceiling, insulation <100mm	101. Twin and Earth above plasterboard ceiling, insulation >100mm	102. Twin and Earth within insulated stud wall, touching inner wall

O. Other
103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_26**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB-PL-C-Power	DB Location	Llansteffan C - Roof Plant Room

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name: William King Date: 14/08/2025

Signature:

Test Instrument Serial Number: Megger MFT 1721 - 102001048

Distribution Board Characteristics

Zs	Ω	Nominal Voltage	v	Polarity	Ipf	kA	No of Phases	Phase Rotation
0.11		400		✓	4.06		3	✓

	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)							RCD				
Circuit Number	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage	Polarity	Measured Zs (Ω)	@IΔn (ms)	@5IΔn (ms)	Test Button Operation	AFDD Test Button Operation	Circuit Comments
1/L1	0.31	0.31	0.32	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	25.9	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	0.05	N/A	N/A	LIM	>999	>999	250	✓	0.16	N/A	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L1	N/A	N/A	N/A	0.50	N/A	N/A	LIM	>999	>999	250	✓	0.61	N/A	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.53	N/A	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.49	N/A	N/A	LIM	>999	>999	250	✓	0.60	N/A	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	0.39	N/A	N/A	LIM	>999	>999	250	✓	0.51	N/A	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	0.35	N/A	N/A	LIM	>999	>999	250	✓	0.46	N/A	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	250	✓	0.44	N/A	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>999	>999	250	✓	0.41	N/A	N/A	N/A	N/A	
5/L2	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.44	N/A	N/A	N/A	N/A	
5/L3	N/A	N/A	N/A	0.25	N/A	N/A	LIM	>999	>999	250	✓	0.37	N/A	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>999	>999	250	✓	0.39	N/A	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.42	N/A	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	0.35	N/A	N/A	LIM	>999	>999	250	✓	0.46	N/A	N/A	N/A	N/A	
7/L1	N/A	N/A	N/A	0.39	N/A	N/A	LIM	>999	>999	250	✓	0.50	N/A	N/A	N/A	N/A	
7/L2	N/A	N/A	N/A	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.53	N/A	N/A	N/A	N/A	
7/L3	N/A	N/A	N/A	0.55	N/A	N/A	LIM	>999	>999	250	✓	0.65	N/A	N/A	N/A	N/A	
8/L1	N/A	N/A	N/A	0.76	N/A	N/A	LIM	>999	>999	250	✓	0.87	N/A	N/A	N/A	N/A	
8/L2	N/A	N/A	N/A	0.30	N/A	N/A	LIM	>999	>999	250	✓	0.41	N/A	N/A	N/A	N/A	
8/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_25**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-PL-C-Lighting			DB Location	Llansteffan C - Roof Plant Room		
Distribution Board Comments		DB Reference	Circuit Number				
N/A	Supply From	Rising Busbar (Core C)	19/TP	Over Current Device	60947 MCCB	RCD Operating Current	N/A mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	100 A	Type S RCD N/A	RCD Operating time at IΔn N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Plant Room Lighting	Radial Circuit	3	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1.5
1/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_25**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-PL-C-Lighting	DB Location	Llansteffan C - Roof Plant Room

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear

Tested By

Name	William King	Date	14/08/2025
Signature			

Test Instrument Serial Number: Megger MFT 1721 - 102001048

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	4.06	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	N/A	N/A	N/A	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.51	28.7	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_24**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-LL7-Power			DB Location	Llansteffan C - 05 Cleaners Room		
Distribution Board Comments		DB Reference	Circuit Number				
N/A	Supply From	Rising Busbar (Core C)	13/TP	Over Current Device	60947 MCCB	RCD Operating Current	N/A mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	63 A	Type S RCD N/A	RCD Operating time at IΔn N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Fourth Floor - Circulation Ring Circuit	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
1/L2	Fifth Floor - Circulation Ring Circuit	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
1/L3	Sixth Floor - Circulation Ring Circuit	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
2/L1	Fourth Floor - Stair, Lobby, Plant Ring Circuit	Ring Final Circuit	7	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
2/L2	Fifth Floor - Stair, Lobby, Plant Ring Circuit	Ring Final Circuit	7	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
2/L3	Sixth Floor - Stair, Lobby, Plant Ring Circuit	Ring Final Circuit	7	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
3/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L1	Seventh Floor - Circulation Ring Circuit	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
4/L2	Fifth Floor - Interconnecting Door / Access Control	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
4/L3	Sixth Floor - Interconnecting Door / Access Control	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
5/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L1	Fourth Floor - Interconnecting Door / Access Control	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
6/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/L1	Seventh Floor - Interconnecting Door / Access Control	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
7/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring:	A. PVC/PVC Cables	B. PVC Cables in metallic conduit	C. PVC Cables in non-metallic conduit	D. PVC Cables in metallic trucking	E. PVC Cables in non-metallic trucking	F. PVC/SWA Cables	G. XLPE/SWA cables	H Mineral Insulated Cables	NA. N/A	O. Other
Installation methods	A. In conduit in thermally insulated wall	B. In conduit on a wall or in trucking	C. Clipped direct	D. Direct buried or in ducting or conduit in ground	E&F. In free air or on cable tray or ladder touching	G. In free air or on cable	100. Twin and Earth above plasterboard ceiling, insulation <100mm	101. Twin and Earth above plasterboard ceiling, insulation >100mm	102. Twin and Earth within insulated stud wall, touching inner wall	103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_24**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB-LL7-Power	DB Location	Llansteffan C - 05 Cleaners Room

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	William King	Date	14/08/2025
Signature			
Test Instrument Serial Number	Megger MFT 1721 - 102001048		

Distribution Board Characteristics

Zs	0.06	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	7.12	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	0.85	0.85	1.18	0.50	N/A	N/A	LIM	>999	>999	250	✓	0.56	27.8	N/A	✓	N/A	
1/L2	0.81	0.81	1.03	0.51	N/A	N/A	LIM	>999	>999	250	✓	0.59	28.5	N/A	✓	N/A	
1/L3	0.94	0.95	1.23	0.55	N/A	N/A	LIM	>999	>999	250	✓	0.61	28.9	N/A	✓	N/A	
2/L1	0.80	0.80	1.08	0.46	N/A	N/A	LIM	>999	>999	250	✓	0.50	28.4	N/A	✓	N/A	
2/L2	0.71	0.71	0.89	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.46	29.9	N/A	✓	N/A	
2/L3	0.78	0.78	0.98	0.44	N/A	N/A	LIM	>999	>999	250	✓	0.50	28.1	N/A	✓	N/A	
3/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L1	0.97	0.98	1.35	0.58	N/A	N/A	LIM	>999	>999	250	✓	0.61	27.1	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.46	28.9	N/A	✓	N/A	
4/L3	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	250	✓	0.51	28.1	N/A	✓	N/A	
5/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.46	25.8	N/A	✓	N/A	
6/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/L1	N/A	N/A	N/A	0.49	N/A	N/A	LIM	>999	>999	250	✓	0.55	29.0	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_23 **PTSG Job Ref** ESEIT33020

DB Reference: DB-LL7-Lighting
DB Location: Llansteffan C - 05 Cleaners Room
Distribution Board Comments: N/A
Supply From: DB Reference: Rising Busbar (Core C); Circuit Number: 13/TP
Over Current Device: 60947 MCCB
RCD Operating Current: N/A mA
SPD Type(s): N/A
SPD Indicator: N/A
Device Rating: 63 A
Type S RCD: N/A
RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Sixth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
1/L2	Fourth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
1/L3	Fifth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
2/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L1	Sixth Floor - Corridor Lighting	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
3/L2	Fourth Floor - Corridor Lighting	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
3/L3	Fifth Floor - Corridor Lighting	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
4/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Sixth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
5/L2	Fourth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
5/L3	Fifth Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
6/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L2	Seventh Floor - Corridor Lighting	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
6/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/L2	Seventh Floor - Corridor Lighting	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
8/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_23 **PTSG Job Ref** ESEIT33020

DB Reference: DB-LL7-Lighting

DB Location: Llansteffan C - 05 Cleaners Room

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear

Tested By

Name: William King Date: 14/08/2025

Signature: 

Test Instrument Serial Number: Megger MFT 1721 - 102001048

Distribution Board Characteristics

Zs 0.06 Ω Nominal Voltage 400 v Polarity ✓ Ipf 7.12 kA No of Phases 3 Phase Rotation ✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	N/A	N/A	N/A	1.10	N/A	N/A	LIM	>999	>999	250	✓	1.16	28.9	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	0.93	N/A	N/A	LIM	>999	>999	250	✓	0.99	28.5	N/A	✓	N/A	
1/L3	N/A	N/A	N/A	0.91	N/A	N/A	LIM	>999	>999	250	✓	0.95	28.1	N/A	✓	N/A	
2/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L1	N/A	N/A	N/A	1.04	N/A	N/A	LIM	>999	>999	250	✓	1.11	28.5	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	0.89	N/A	N/A	LIM	>999	>999	250	✓	0.95	28.3	N/A	✓	N/A	
3/L3	N/A	N/A	N/A	0.87	N/A	N/A	LIM	>999	>999	250	✓	0.93	23.3	N/A	✓	N/A	
4/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	1.12	N/A	N/A	LIM	>999	>999	250	✓	1.18	28.1	N/A	✓	N/A	
5/L2	N/A	N/A	N/A	0.87	N/A	N/A	LIM	>999	>999	250	✓	0.93	28.1	N/A	✓	N/A	
5/L3	N/A	N/A	N/A	0.80	N/A	N/A	LIM	>999	>999	250	✓	0.86	27.9	N/A	✓	N/A	
6/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	1.09	N/A	N/A	LIM	>999	>999	250	✓	1.15	27.8	N/A	✓	N/A	
6/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/L2	N/A	N/A	N/A	1.05	N/A	N/A	LIM	>999	>999	250	✓	1.11	28.6	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_22**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB-FF4-Power	DB Location	Llansteffan C - 05 Busbar Riser

Distribution Board Comments: N/A

Supply From	DB Reference: DB-FFPB	Circuit Number: 10/TP	Over Current Device	60947 MCCB		RCD Operating Current	N/A	mA	
SPD Type(s)	N/A	SPD Indicator: N/A	Device Rating	63	A	Type S RCD: N/A	RCD Operating time at IΔn	N/A	ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Fouth Floor - Corridor AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
1/L2	Fifth Floor - Corridor AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
1/L3	Sixth Floor - Corridor AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
2/L1	Fourth Floor - Smoke Shaft AOD	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
2/L2	Fifth Floor - Smoke Shaft AOD	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
2/L3	Sixth Floor - Smoke Shaft AOD	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
3/L1	Seventh Floor - Head Of Stair AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
3/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L1	Seventh Floor - Smoke Shaft AOD	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Eighth Floor - Head Of Smoke Shaft AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
5/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L1	Eighth Floor - Head Of Smoke Shaft AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
6/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/L1	Seventh Floor - Head Of Smoke Shaft AOD	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5
7/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/L1	Head Of Stair AOV	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	O	E&F	2.5	2.5

Circuit Details

Reference Number	**ESEITTC10070114_22**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-FF4-Power			DB Location	Llansteffan C - 05 Busbar Riser		
Distribution Board Comments		DB Reference	Circuit Number				
N/A	Supply From	DB-FFPB	10/TP	Over Current Device	60947 MCCB	RCD Operating Current	N/A mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	63 A	Type S RCD N/A	RCD Operating time at IΔn N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
8/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring:	A. PVC/PVC Cables	B. PVC Cables in metallic conduit	C. PVC Cables in non-metallic conduit	D. PVC Cables in metallic trucking	E. PVC Cables in non-metallic trucking	F. PVC/SWA Cables	G. XLPE/SWA cables	H Mineral Insulated Cables	NA. N/A	O. Other
Installation methods	A. In conduit in thermally insulated wall	B. In conduit on a wall or in trucking	C. Clipped direct	D. Direct buried or in ducting or conduit in ground	E&F. In free air or on cable tray or ladder touching	G. In free air or on cable	100. Twin and Earth above plasterboard ceiling, insulation <100mm	101. Twin and Earth above plasterboard ceiling, insulation >100mm	102. Twin and Earth within insulated stud wall, touching inner wall	103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_22**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB-FF4-Power	DB Location	Llansteffan C - 05 Busbar Riser

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name: William King Date: 14/08/2025

Signature:

Test Instrument Serial Number: Megger MFT 1721 - 102001048

Distribution Board Characteristics

Zs	Ω	Nominal Voltage	v	Polarity	Ipf	kA	No of Phases	Phase Rotation
0.23		400		✓	2.10		3	✓

	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)							RCD				
Circuit Number	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage	Polarity	Measured Zs (Ω)	@IΔn (ms)	@5IΔn (ms)	Test Button Operation	AFDD Test Button Operation	Circuit Comments
1/L1	N/A	N/A	N/A	0.55	N/A	N/A	LIM	>999	>999	250	✓	0.78	28.8	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	0.50	N/A	N/A	LIM	>999	>999	250	✓	0.73	28.5	N/A	✓	N/A	
1/L3	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	250	✓	0.67	27.8	N/A	✓	N/A	
2/L1	N/A	N/A	N/A	0.49	N/A	N/A	LIM	>999	>999	250	✓	0.71	28.0	N/A	✓	N/A	
2/L2	N/A	N/A	N/A	0.59	N/A	N/A	LIM	>999	>999	250	✓	0.80	28.3	N/A	✓	N/A	
2/L3	N/A	N/A	N/A	0.56	N/A	N/A	LIM	>999	>999	250	✓	0.79	28.1	N/A	✓	N/A	
3/L1	N/A	N/A	N/A	0.48	N/A	N/A	LIM	>999	>999	250	✓	0.70	28.9	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	0.59	N/A	N/A	LIM	>999	>999	250	✓	0.72	28.8	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>999	>999	250	✓	0.86	25.9	N/A	✓	N/A	
5/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	0.70	N/A	N/A	LIM	>999	>999	250	✓	0.93	28.5	N/A	✓	N/A	
6/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/L1	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>999	>999	250	✓	0.86	28.7	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/L1	N/A	N/A	N/A	0.70	N/A	N/A	LIM	>999	>999	250	✓	0.93	26.6	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_21 **PTSG Job Ref** ESEIT33020

DB Reference DB-FF4-Lighting DB Location Llansteffan C - 05 Busbar Riser

Distribution Board Comments: N/A

Supply From: DB Reference DB-FFPB, Circuit Number 10/TP

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A

SPD Indicator: N/A

Device Rating: 63 A

Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Sixth Floor - Stair Core Lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
1/L2	Fourth Floor - Stair Core Lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
1/L3	Fifth Floor - Stair Core Lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
2/L1	Sixth Floor - Lobby Lighting	Radial Circuit	7	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
2/L2	Fourth Floor - Lobby Lighting	Radial Circuit	7	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
2/L3	Fifth Floor - Lobby Lighting	Radial Circuit	7	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
3/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L2	Seventh Floor - Stair Lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	O	E&F	1.5	1.5
3/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/TP	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_21**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB-FF4-Lighting	DB Location	Llansteffan C - 05 Busbar Riser

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear

Tested By

Name	William King	Date	14/08/2025
Signature			

Test Instrument Serial Number: Megger MFT 1721 - 102001048

Distribution Board Characteristics

Zs	0.23	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	2.10	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	N/A	N/A	N/A	0.73	N/A	N/A	LIM	>999	>999	250	✓	0.96	25.9	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	0.79	N/A	N/A	LIM	>999	>999	250	✓	0.92	29.0	N/A	✓	N/A	
1/L3	N/A	N/A	N/A	0.59	N/A	N/A	LIM	>999	>999	250	✓	0.82	29.9	N/A	✓	N/A	
2/L1	N/A	N/A	N/A	0.70	N/A	N/A	LIM	>999	>999	250	✓	0.93	28.0	N/A	✓	N/A	
2/L2	N/A	N/A	N/A	0.65	N/A	N/A	LIM	>999	>999	250	✓	0.88	27.0	N/A	✓	N/A	
2/L3	N/A	N/A	N/A	0.60	N/A	N/A	LIM	>999	>999	250	✓	0.81	28.6	N/A	✓	N/A	
3/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L2	N/A	N/A	N/A	0.79	N/A	N/A	LIM	>999	>999	250	✓	1.02	28.0	N/A	✓	N/A	
3/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8/TP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_20 **PTSG Job Ref** ESEIT33020

DB Reference Db/LL3/L DB Location 2Nd Floor Cupboard

Distribution Board Comments: N/A

Supply From: DB Reference N/V, Circuit Number LIM

Over Current Device: LIM LIM

RCD Operating Current: N/A mA

SPD Type(s): 2 SPD Indicator: ✓

Device Rating: 63 A Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L1	Gf Entrance/Exit light	Radial Circuit	1	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
2/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L1	3rd floor corridor lights	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
3/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L1	3rd floor corridor lights	Radial Circuit	1	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L3	2nd floor corridor lights	Radial Circuit	10	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
5/L1	3rd floor corridor lights	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
5/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L3	2nd floor corridor lights	Radial Circuit	9	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
6/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_20**	**PTSG Job Ref**	ESEIT33020

DB Reference	Db/LL3/L	DB Location	2Nd Floor Cupboard

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear

Tested By

Name	Grant Maclachlan	Date	21/08/2025
Signature	G.C. Maclachlan		

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.09	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	5.3	kA	No of Phases	3	Phase Rotation	✓

	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)							RCD				
Circuit Number	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage	Polarity	Measured Zs (Ω)	@IΔn (ms)	@5IΔn (ms)	Test Button Operation	AFDD Test Button Operation	Circuit Comments
1/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/L1	N/A	N/A	N/A	0.58	N/A	N/A	LIM	>999	>999	250	✓	0.67	28	N/A	✓	N/A	
2/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L1	N/A	N/A	N/A	0.74	N/A	N/A	LIM	>999	>999	250	✓	0.83	28	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	0.81	N/A	N/A	LIM	>999	>999	250	✓	0.90	28	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	0.90	N/A	N/A	LIM	>999	>999	250	✓	0.99	28	N/A	✓	N/A	
5/L1	N/A	N/A	N/A	0.93	N/A	N/A	LIM	>999	>999	250	✓	1.02	28	N/A	✓	N/A	
5/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L3	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>999	>999	250	✓	0.72	28	N/A	✓	N/A	
6/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_19 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL9/C DB Location Kitchen Flat 9

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR RISER CORE C FLAT 9; Circuit Number 1/L2

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L2	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L2	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L2	Cooker 2	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L2	Common Area lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L2	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_19 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL9/C DB Location Kitchen Flat 9

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name Grant Maclachlan Date 16/09/2025

Signature

Test Instrument Serial Number Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs 0.11 Ω Nominal Voltage 230 v Polarity ✓ Ipf 2.16 kA No of Phases 1 Phase Rotation N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L2	0.21	0.21	0.34	0.14	N/A	N/A	LIM	>999	>999	250	✓	0.25	28	N/A	✓	N/A	
2/L2	0.18	0.19	0.29	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.21	29	N/A	✓	N/A	
3/L2	0.32	0.32	0.51	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.32	29	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.33	29	N/A	✓	N/A	
6/L2	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	28	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.22	29	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	0.12	N/A	N/A	LIM	>999	>999	250	✓	0.23	29	N/A	✓	N/A	
9/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L2	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>999	>999	250	✓	0.42	28	N/A	✓	N/A	
12/L2	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	250	✓	0.47	28	N/A	✓	N/A	
13/L2	N/A	N/A	N/A	0.54	N/A	N/A	LIM	>999	>999	250	✓	0.65	29	N/A	✓	N/A	
14/L2	N/A	N/A	N/A	0.39	N/A	N/A	LIM	>999	>999	250	✓	0.50	28	N/A	✓	N/A	
15/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_18 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL8/C DB Location Kitchen Flat 8

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR Riser core C flat 8; Circuit Number 1/L1

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L1	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L1	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L1	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L1	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L1	Unused	N/A	N/A	0.4	61009	B	32	10	1.3656	61009	A	30	32	N/A	N/A	N/A	N/A
9/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L1	Common Area lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L1	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L1	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L1	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_18**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB/CL8/C	DB Location	Kitchen Flat 8

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.C. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.13	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	1.89	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	0.19	0.20	0.32	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.26	28	N/A	✓	N/A	
2/L1	0.17	0.17	0.28	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.22	28	N/A	✓	N/A	
3/L1	0.29	0.28	0.48	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.32	28	N/A	✓	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	0.35	0.35	0.58	0.23	N/A	N/A	LIM	>999	>999	250	✓	0.36	29	N/A	✓	N/A	
6/L1	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.38	29	N/A	✓	N/A	
7/L1	N/A	N/A	N/A	0.9	N/A	N/A	LIM	>999	>999	250	✓	0.22	28	N/A	✓	N/A	
8/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L1	N/A	N/A	N/A	0.30	N/A	N/A	LIM	>999	>999	250	✓	0.46	29	N/A	✓	N/A	
12/L1	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.56	29	N/A	✓	N/A	
13/L1	N/A	N/A	N/A	0.47	N/A	N/A	LIM	>999	>999	250	✓	0.60	29	N/A	✓	N/A	
14/L1	N/A	N/A	N/A	0.34	N/A	N/A	LIM	>999	>999	250	✓	0.47	28	N/A	✓	N/A	
15/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_17**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB/CL7/C			DB Location	Kitchen Flat 7		
Distribution Board Comments	DB Reference	Circuit Number					
N/A	Supply From	BUSBAR RISER CORE C FLAT 7	1/L3	Over Current Device	60947 MCCB	RCD Operating Current	N/A mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	63 A	Type S RCD N/A	RCD Operating time at I∆n N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
0	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Bedroom	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L3	Sockets Bedroom	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Bedroom	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Bedroom	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	LIM	N/A	LIM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Common lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_17 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL7/C DB Location Kitchen Flat 7

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name Grant Maclachlan Date 16/09/2025

Signature G.C. Maclachlan

Test Instrument Serial Number Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs 0.15 Ω Nominal Voltage 230 v Polarity ✓ Ipf 1.52 kA No of Phases 1 Phase Rotation N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	0.33	0.33	0.52	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.36	28	N/A	✓	N/A	
2/L3	0.29	0.29	0.47	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.35	28	N/A	✓	N/A	
3/L3	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.30	28	N/A	✓	N/A	
4/L3	0.32	0.32	0.52	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.36	28	N/A	✓	N/A	
5/L3	0.19	0.19	0.32	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.28	28	N/A	✓	N/A	
6/L3	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.39	29	N/A	✓	N/A	
7/L3	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.24	28	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.25	29	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>999	>999	250	✓	0.46	29	N/A	✓	N/A	
12/L3	N/A	N/A	N/A	0.37	N/A	N/A	LIM	>999	>999	250	✓	0.52	28	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.48	28	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.44	N/A	N/A	LIM	>999	>999	250	✓	0.59	28	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	250	✓	0.51	28	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_16 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL6/C DB Location Kitchen Flat 6

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR RISER CORE C FLAT 6; Circuit Number 1/L2

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L2	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L2	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L2	Cooker 2	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L2	Common Area lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L2	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_16**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB/CL6/C	DB Location	Kitchen Flat 6

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.C. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.15	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	1.53	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L2	0.21	0.21	0.33	0.14	N/A	N/A	LIM	>999	>999	250	✓	0.29	36.5	N/A	✓	N/A	
2/L2	0.17	0.18	0.28	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.25	33.3	N/A	✓	N/A	
3/L2	0.27	0.27	0.48	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.35	38.5	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.37	32.9	N/A	✓	N/A	
6/L2	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.30	36.6	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	0.08	N/A	N/A	LIM	>999	>999	250	✓	0.23	33.7	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.26	34.9	N/A	✓	N/A	
9/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L2	N/A	N/A	N/A	0.56	N/A	N/A	LIM	>999	>999	250	✓	0.71	36.6	N/A	✓	N/A	
12/L2	N/A	N/A	N/A	0.79	N/A	N/A	LIM	>999	>999	250	✓	0.94	39.2	N/A	✓	N/A	
13/L2	N/A	N/A	N/A	0.76	N/A	N/A	LIM	>999	>999	250	✓	0.91	33.3	N/A	✓	N/A	
14/L2	N/A	N/A	N/A	0.83	N/A	N/A	LIM	>999	>999	250	✓	0.98	37.6	N/A	✓	N/A	
15/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_15 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL5/C DB Location KITCHEN FLAT 5

Distribution Board Comments: N/A

Supply From: DB Reference Busbar Riser core C flat 5; Circuit Number 1/L1

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L1	Cooker	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L1	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
13/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
14/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
15/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_15 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL5/C DB Location KITCHEN FLAT 5

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name Grant Maclachlan Date 16/09/2025

Signature G.C. Maclachlan

Test Instrument Serial Number Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs 0.10 Ω Nominal Voltage 230 v Polarity ✓ Ipf 2.21 kA No of Phases 1 Phase Rotation N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@I∆n (ms)	@5I∆n (ms)	Test Button Operation		
1/L1	0.14	0.14	0.23	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.19	38.6	N/A	✓	N/A	
2/L1	0.23	0.23	0.38	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.25	36.6	N/A	✓	N/A	
3/L1	0.16	0.16	0.28	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.21	33.7	N/A	✓	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	0.16	0.17	0.27	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.21	34.8	N/A	✓	N/A	
6/L1	0.28	0.27	0.46	0.18	N/A	N/A	LIM	>999	>999	250	✓	0.28	37.7	N/A	✓	N/A	
7/L1	N/A	N/A	N/A	0.08	N/A	N/A	LIM	>999	>999	250	✓	0.18	36.5	N/A	✓	N/A	
8/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L1	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.43	37.6	N/A	✓	N/A	
12/L1	N/A	N/A	N/A	0.82	N/A	N/A	LIM	>999	>999	250	✓	0.92	34.2	N/A	✓	N/A	
13/L1	N/A	N/A	N/A	0.67	N/A	N/A	LIM	>999	>999	250	✓	0.77	38.9	N/A	✓	N/A	
14/L1	N/A	N/A	N/A	0.74	N/A	N/A	LIM	>999	>999	250	✓	0.84	33.2	N/A	✓	N/A	
15/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_14**	**PTSG Job Ref**	ESEIT33020

DB Reference	Db/CL4/C			DB Location	Kitchen Flat 4				
Distribution Board Comments		DB Reference	Circuit Number						
N/A	Supply From	BUSBAR RISER CORE C FLAT 4	1/L3	Over Current Device	60947	MCCB	RCD Operating Current	N/A	mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	63 A	Type S RCD N/A	RCD Operating time at IΔn	N/A	ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
0	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Bedroom	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L3	Sockets Bedroom	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Bedroom	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Bedroom	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	LIM	N/A	LIM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Common lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_14**	**PTSG Job Ref**	ESEIT33020
DB Reference	Db/CL4/C	DB Location	Kitchen Flat 4

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.C. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.16	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	1.43	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	0.32	0.32	0.51	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.34	36.3	N/A	✓	N/A	
2/L3	0.28	0.28	0.47	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.35	38.8	N/A	✓	N/A	
3/L3	0.22	0.23	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.31	37.7	N/A	✓	N/A	
4/L3	0.31	0.33	0.51	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.36	35.2	N/A	✓	N/A	
5/L3	0.19	0.19	0.32	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.29	36.3	N/A	✓	N/A	
6/L3	0.33	33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.38	36.8	N/A	✓	N/A	
7/L3	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.24	35.9	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.08	N/A	N/A	LIM	>999	>999	250	✓	0.22	37.4	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	0.61	N/A	N/A	LIM	>999	>999	250	✓	0.75	39.1	N/A	✓	N/A	
12/L3	N/A	N/A	N/A	0.86	N/A	N/A	LIM	>999	>999	250	✓	1.02	38.2	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.79	N/A	N/A	LIM	>999	>999	250	✓	0.95	33.2	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.61	N/A	N/A	LIM	>999	>999	250	✓	0.77	34.8	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.93	N/A	N/A	LIM	>999	>999	250	✓	1.09	34.7	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_13 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL16/C DB Location Kitchen Flat 16

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR RISER CORE C; Circuit Number 1/L3

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
0	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Bedrooms	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Bedrooms	Ring Final Circuit	8	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Common lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number	**ESEITTC10070114_13**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB/CL16/C	DB Location	Kitchen Flat 16

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.c.Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.14	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No way present. clarity issue, delete if possible, if not please ignore.
1/L3	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.35	28	N/A	✓	N/A	
2/L3	0.30	0.30	0.51	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.31	29	N/A	✓	N/A	
3/L3	0.28	0.26	0.38	0.17	N/A	N/A	LIM	>999	>999	250	✓	0.29	29	N/A	✓	N/A	
4/L3	0.32	0.32	0.51	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.37	28	N/A	✓	N/A	
5/L3	0.15	0.15	0.25	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.22	29	N/A	✓	N/A	
6/L3	0.29	0.29	0.47	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.30	29	N/A	✓	N/A	
7/L3	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.20	27	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.07	N/A	N/A	LIM	>999	>999	250	✓	0.18	29	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	0.28	N/A	N/A	LIM	>999	>999	250	✓	0.39	27	N/A	✓	N/A	
12/L3	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.54	29	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.53	N/A	N/A	LIM	>999	>999	250	✓	0.64	28	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.62	N/A	N/A	LIM	>999	>999	250	✓	0.73	27	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.39	N/A	N/A	LIM	>999	>999	250	✓	0.50	27	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_12 **PTSG Job Ref** ESEIT33020

DB Reference Db/CL15/C DB Location Kitchen Flat 15

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR Riser Core C; Circuit Number 1/L2

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L2	Bedroom Sockets	Ring Final Circuit	12	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
2/L2	Bedroom Sockets	Ring Final Circuit	8	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
3/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Common Room Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
6/L2	Common Room Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	2.5	1.5
7/L2	Cooker	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	A	E&F	10	4
8/L2	Unused	N/A	N/A	0.4	61009	B	32	10	1.3656	61009	A	30	32	N/A	N/A	N/A	N/A
9/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L2	Common Room lights	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
12/L2	Bedroom Lights	Radial Circuit	18	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
13/L2	Bedroom Lights	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
14/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_12**	**PTSG Job Ref**	ESEIT33020
DB Reference	Db/CL15/C	DB Location	Kitchen Flat 15

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.C. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.10	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.29	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L2	0.38	0.38	0.63	0.25	N/A	N/A	LIM	>999	>999	250	✓	0.37	28	N/A	✓	N/A	
2/L2	0.36	0.36	0.60	0.24	N/A	N/A	LIM	>999	>999	250	✓	0.34	28	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	0.07	0.08	0.11	0.05	N/A	N/A	LIM	>999	>999	250	✓	0.22	28	N/A	✓	N/A	
6/L2	0.32	0.32	0.53	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.33	29	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	0.07	N/A	N/A	LIM	>999	>999	250	✓	0.17	29	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L2	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	250	✓	0.42	28	N/A	✓	N/A	
12/L2	N/A	N/A	N/A	0.79	N/A	N/A	LIM	>999	>999	250	✓	0.89	27	N/A	✓	N/A	
13/L2	N/A	N/A	N/A	0.66	N/A	N/A	LIM	>999	>999	250	✓	0.76	29	N/A	✓	N/A	
14/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
15/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_11 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL14/C DB Location Kitchen Flat 14

Distribution Board Comments: N/A

Supply From: DB Reference Busbar Riser core C; Circuit Number 1/L1

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8	Unused	N/A	N/A	0.4	61009	B	32	10	1.3656	61009	A	30	32	N/A	N/A	N/A	N/A
9	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Common Area lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_11**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB/CL14/C	DB Location	Kitchen Flat 14

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.c. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.09	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.70	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1	0.20	0.21	0.33	0.14	N/A	N/A	LIM	>999	>999	250	✓	0.23	29	N/A	✓	N/A	
2	0.19	0.17	0.28	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.18	27	N/A	✓	N/A	
3	0.30	0.32	0.50	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.29	28	N/A	✓	N/A	
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5	0.35	0.35	0.58	0.24	N/A	N/A	LIM	>999	>999	250	✓	0.33	28	N/A	✓	N/A	
6	0.24	0.24	0.38	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.24	28	LIM	✓	N/A	
7	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.20	27	N/A	✓	N/A	
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>999	>999	250	✓	0.38	28	N/A	✓	N/A	
12	N/A	N/A	N/A	0.37	N/A	N/A	LIM	>999	>999	250	✓	0.46	29	N/A	✓	N/A	
13	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	250	✓	0.54	28	N/A	✓	N/A	
14	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	250	✓	0.45	28	N/A	✓	N/A	
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_10 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL13/C DB Location Kitchen Flat 13

Distribution Board Comments: N/A

Supply From: DB Reference Llansteffan Busbar supply; Circuit Number 1/L3

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 160 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
0	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Bedrooms	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Bedrooms	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Common lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_10**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB/CL13/C	DB Location	Kitchen Flat 13

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.c. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.09	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	0.33	0.34	0.51	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.36	28	N/A	✓	N/A	
2/L3	0.28	0.29	0.49	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.30	28	N/A	✓	N/A	
3/L3	0.35	0.35	0.59	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	29	N/A	✓	N/A	
4/L3	0.34	0.36	0.59	0.24	N/A	N/A	LIM	>999	>999	250	✓	0.35	29	N/A	✓	N/A	
5/L3	0.19	0.22	0.32	0.14	N/A	N/A	LIM	>999	>999	250	✓	0.25	28	N/A	✓	N/A	
6/L3	0.37	0.37	0.56	0.24	N/A	N/A	LIM	>999	>999	250	✓	0.35	27	N/A	✓	N/A	
7/L3	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.20	28	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.21	28	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	250	✓	0.47	28	N/A	✓	N/A	
12/L3	N/A	N/A	N/A	0.46	N/A	N/A	LIM	>999	>999	250	✓	0.57	29	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.52	N/A	N/A	LIM	>999	>999	250	✓	0.63	28	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	250	✓	0.43	28	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.41	N/A	N/A	LIM	>999	>999	250	✓	0.52	29	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_9 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL12/C DB Location Kitchen Flat 12

Distribution Board Comments: N/A

Supply From: DB Reference Busbar Riser core c; Circuit Number 1/L2

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L2	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L2	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L2	Cooker 2	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L2	Common Area lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L2	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_9**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB/CL12/C	DB Location	Kitchen Flat 12

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.c. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.18	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L2	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.32	29	N/A	✓	N/A	
2/L2	0.19	0.19	0.33	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.29	28	N/A	✓	N/A	
3/L2	0.30	0.31	0.48	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.35	28	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	0.35	0.37	0.59	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.31	28	LIM	✓	N/A	
6/L2	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	29	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.20	29	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.22	28	N/A	✓	N/A	
9/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L2	N/A	N/A	N/A	0.36	N/A	N/A	LIM	>999	>999	250	✓	0.47	27	N/A	✓	N/A	
12/L2	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.44	28	LIM	✓	N/A	
13/L2	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.54	29	N/A	✓	N/A	
14/L2	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>999	>999	250	✓	0.62	28	N/A	✓	N/A	
15/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_8 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL11/C DB Location KITCHEN FLAT 11

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR Riser core C; Circuit Number 1/L1

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L1	Cooker	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L1	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
13/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
14/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
15/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_8**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB/CL11/C	DB Location	KITCHEN FLAT 11

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025
Signature	G.C. Maclachlan		
Test Instrument Serial Number	Megger MFT 1721 - 102506997		

Distribution Board Characteristics

Zs	0.09	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.53	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	0.13	0.14	0.22	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.18	29	N/A	✓	N/A	
2/L1	0.24	0.24	0.38	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.24	29	N/A	✓	N/A	
3/L1	0.14	0.15	0.25	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.20	28	N/A	✓	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	0.16	0.16	0.27	0.12	N/A	N/A	LIM	>999	>999	250	✓	0.21	29	N/A	✓	N/A	
6/L1	0.29	0.30	0.49	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.29	28	N/A	✓	N/A	
7/L1	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.18	28	N/A	✓	N/A	
8/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L1	N/A	N/A	N/A	0.30	N/A	N/A	LIM	>999	>999	250	✓	0.39	28	N/A	✓	N/A	
12/L1	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.52	28	N/A	✓	N/A	
13/L1	N/A	N/A	N/A	0.37	N/A	N/A	LIM	>999	>999	250	✓	0.46	28	N/A	✓	N/A	
14/L1	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.42	28	N/A	✓	N/A	
15/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_7 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL10/C DB Location Kitchen Flat 10

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR RISER CORE C flat 10; Circuit Number 1/L3

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
0	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Bedrooms	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Bedrooms	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Bedrooms	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets communal areas	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Common lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_7 **PTSG Job Ref** ESEIT33020

DB Reference DB/CL10/C DB Location Kitchen Flat 10

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name Grant Maclachlan Date 16/09/2025

Signature

Test Instrument Serial Number Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs 0.11 Ω Nominal Voltage 230 v Polarity ✓ Ipf 2.02 kA No of Phases 1 Phase Rotation N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	0.33	0.35	0.52	0.21	N/A	N/A	LIM	>999	>999	250	✓	0.32	29	N/A	✓	N/A	
2/L3	0.28	0.28	0.47	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.30	29	N/A	✓	N/A	
3/L3	0.22	0.24	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	28	N/A	✓	N/A	
4/L3	0.32	0.32	0.51	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.30	29	N/A	✓	N/A	
5/L3	0.20	0.21	0.33	0.12	N/A	N/A	LIM	>999	>999	250	✓	0.23	28	N/A	✓	N/A	
6/L3	0.29	0.29	0.53	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.31	28	N/A	✓	N/A	
7/L3	N/A	N/A	N/A	0.12	N/A	N/A	LIM	>999	>999	250	✓	0.23	29	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.22	28	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>999	>999	250	✓	0.40	28	N/A	✓	N/A	
12/L3	N/A	N/A	N/A	0.52	N/A	N/A	LIM	>999	>999	250	✓	0.63	28	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.54	29	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.48	N/A	N/A	LIM	>999	>999	250	✓	0.59	29	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.40	N/A	N/A	LIM	>999	>999	250	✓	0.51	29	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_6 **PTSG Job Ref** ESEIT33020

DB Reference Db FF2/P DB Location 2Nd Floor Core C

Distribution Board Comments: N/A

Supply From: DB Reference Db FFPB, Circuit Number LIM

Over Current Device 60898 C RCD Operating Current N/A mA

SPD Type(s) N/A SPD Indicator N/A Device Rating 63 A Type S RCD N/A RCD Operating time at IΔn N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Core B Refuge Panel	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
1/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	2nd floor smoke shaft	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
2/L1	Core C Refuge Panel	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
2/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L3	2nd Floor fire shutter	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
3/L1	Core D Refuge Panel	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
3/L2	3rd Floor fire shutter	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
3/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L2	3rd floor corridor Aov	Radial Circuit	1	0.4	61009	B	16	10	2.7312	61009	A	30	16	A	E&F	2.5	1.5
4/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods: A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	ESEITTC10070114_6	PTSG Job Ref	ESEIT33020

DB Reference	Db FF2/P	DB Location	2Nd Floor Core C

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	21/08/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.14	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	3.14	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@I∆n (ms)	@5I∆n (ms)	Test Button Operation		
1/L1	N/A	N/A	N/A	0.29	N/A	N/A	LIM	>999	>999	250	✓	0.43	28	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	N/A	N/A	N/A	0.46	N/A	N/A	LIM	>999	>999	250	✓	0.60	28	N/A	✓	N/A	
2/L1	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	250	✓	0.59	28	N/A	✓	N/A	
2/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.48	N/A	N/A	LIM	>999	>999	250	✓	0.62	28	N/A	✓	N/A	
3/L1	N/A	N/A	N/A	0.83	N/A	N/A	LIM	>999	>999	250	✓	0.97	28	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	0.33	N/A	N/A	LIM	>999	>999	250	✓	0.47	28	N/A	✓	N/A	
3/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>999	>999	250	✓	0.45	28	N/A	✓	N/A	
4/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number	**ESEITTC10070114_5**	**PTSG Job Ref**	ESEIT33020

DB Reference	DB FF2/L			DB Location	2Nd Floor Riser CORE C				
Distribution Board Comments		DB Reference	Circuit Number						
N/A	Supply From	FFPB	LIM	Over Current Device	60898	B		RCD Operating Current	N/A mA
	SPD Type(s)	N/A	SPD Indicator N/A	Device Rating	63 A	Type S RCD	N/A	RCD Operating time at IΔn	N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Gf stairs and lobby lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
1/L2	1st floor stairs and lobby lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
1/L3	2nd floor stairs and lobby lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
2/L1	3rd floor stairs and lobby lighting	Radial Circuit	11	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
2/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L3	2nd floor fire corridor lights	Radial Circuit	7	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
3/L1	3rd floor fire corridor lights	Radial Circuit	7	0.4	61009	C	10	10	2.185	61009	A	30	10	A	E&F	1.5	1
3/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/L3	2nd floor bus power supply	Radial Circuit	1	0.4	61009	C	16	10	1.3656	61009	A	30	16	A	E&F	2.5	1.5
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_5**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB FF2/L	DB Location	2Nd Floor Riser CORE C

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear

Tested By

Name: Grant Maclachlan Date: 16/09/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.14	Ω	Nominal Voltage	400	v	Polarity	✓	Ipf	3.14	kA	No of Phases	3	Phase Rotation	✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@I∆n (ms)	@5I∆n (ms)	Test Button Operation		
1/L1	N/A	N/A	N/A	0.30	N/A	N/A	LIM	>999	>999	250	✓	0.44	28	N/A	✓	N/A	
1/L2	N/A	N/A	N/A	0.35	N/A	N/A	LIM	>999	>999	250	✓	0.49	28	N/A	✓	N/A	
1/L3	N/A	N/A	N/A	0.44	N/A	N/A	LIM	>999	>999	250	✓	0.58	28	N/A	✓	N/A	
2/L1	N/A	N/A	N/A	0.52	N/A	N/A	LIM	>999	>999	250	✓	0.66	28	N/A	✓	N/A	
2/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2/L3	N/A	N/A	N/A	0.47	N/A	N/A	LIM	>999	>999	250	✓	0.61	28	N/A	✓	N/A	
3/L1	N/A	N/A	N/A	0.81	N/A	N/A	LIM	>999	>999	250	✓	0.95	28	N/A	✓	N/A	
3/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3/L3	N/A	N/A	N/A	0.30	N/A	N/A	LIM	>999	>999	250	✓	0.44	28	N/A	✓	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_4 **PTSG Job Ref** ESEIT33020

DB Reference: Db Cl3/c
DB Location: Kitchen Flat 3
Distribution Board Comments: N/A
Supply From: DB Reference: Busbar Riser core C flat 3; Circuit Number: 1/L2
Over Current Device: 60947 MCCB
RCD Operating Current: N/A mA
SPD Type(s): N/A
SPD Indicator: N/A
Device Rating: 63 A
Type S RCD: N/A
RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L2	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L2	Bedroom sockets	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L2	Common Area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L2	Cooker 1	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L2	Cooker 2	Radial Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L2	Common Area lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L2	Bedroom lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L2	Bedroom lighting	Radial Circuit	12	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L2	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	ESEITTC10070114_4	PTSG Job Ref	ESEIT33020

DB Reference	Db Cl3/c	DB Location	Kitchen Flat 3

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.11	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	2.16	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L2	0.19	0.19	0.32	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.24	28	N/A	✓	N/A	
2/L2	0.17	0.17	0.28	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.20	28	N/A	✓	N/A	
3/L2	0.29	0.29	0.48	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.30	28	N/A	✓	N/A	
4/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L2	0.35	0.35	0.58	0.23	N/A	N/A	LIM	>999	>999	250	✓	0.34	28	N/A	✓	N/A	
6/L2	0.22	0.22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.26	28	N/A	✓	N/A	
7/L2	N/A	N/A	N/A	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.20	29	N/A	✓	N/A	
8/L2	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.21	28	N/A	✓	N/A	
9/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L2	N/A	N/A	N/A	0.32	N/A	N/A	LIM	>999	>999	250	✓	0.43	38.1	N/A	✓	N/A	
12/L2	N/A	N/A	N/A	0.48	N/A	N/A	LIM	>999	>999	250	✓	0.59	28	N/A	✓	N/A	
13/L2	N/A	N/A	N/A	0.51	N/A	N/A	LIM	>999	>999	250	✓	0.62	36.5	N/A	✓	N/A	
14/L2	N/A	N/A	N/A	0.45	N/A	N/A	LIM	>999	>999	250	✓	0.56	28	N/A	✓	N/A	
15/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_3 **PTSG Job Ref** ESEIT33020

DB Reference: DB CL2/C
DB Location: KITCHEN FLAT 2

Distribution Board Comments: N/A

Supply From: DB Reference BUSBAR RISER CORE C FLAT 2; Circuit Number 1/L1

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A

SPD Indicator: N/A

Device Rating: 63 A

Type S RCD: N/A

RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
2/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L1	Bedroom sockets	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L1	Communal area sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L1	Cooker	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
8/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L1	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
12/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
13/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
14/L1	Bedroom Lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	2.5	1.5
15/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L1	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	ESEITTC10070114_3	PTSG Job Ref	ESEIT33020

DB Reference	DB CL2/C	DB Location	KITCHEN FLAT 2

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name	Grant Maclachlan	Date	16/09/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.14	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	1.64	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/L1	0.13	0.14	0.22	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.23	28	N/A	✓	N/A	
2/L1	0.23	0.23	0.38	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.29	28	N/A	✓	N/A	
3/L1	0.14	0.14	0.23	0.09	N/A	N/A	LIM	>999	>999	250	✓	0.23	28	N/A	✓	N/A	
4/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5/L1	0.16	0.16	0.27	0.11	N/A	N/A	LIM	>999	>999	250	✓	0.25	29	N/A	✓	N/A	
6/L1	0.29	0.28	0.48	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.33	28	N/A	✓	N/A	
7/L1	N/A	N/A	N/A	0.10	N/A	N/A	LIM	>999	>999	250	✓	0.24	28	N/A	✓	N/A	
8/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L1	N/A	N/A	N/A	0.31	N/A	N/A	LIM	>999	>999	250	✓	0.45	28	N/A	✓	N/A	
12/L1	N/A	N/A	N/A	0.43	N/A	N/A	LIM	>999	>999	250	✓	0.57	28	N/A	✓	N/A	
13/L1	N/A	N/A	N/A	0.37	N/A	N/A	LIM	>999	>999	250	✓	0.51	28	N/A	✓	N/A	
14/L1	N/A	N/A	N/A	0.49	N/A	N/A	LIM	>999	>999	250	✓	0.63	28	N/A	✓	N/A	
15/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit Details

Reference Number ESEITTC10070114_2 **PTSG Job Ref** ESEIT33020

DB Reference DB CL1/C DB Location Second Floor Kitchen Flat 1

Distribution Board Comments: N/A

Supply From: DB Reference Busbar Riser core c; Circuit Number 1/TP

Over Current Device: 60947 MCCB

RCD Operating Current: N/A mA

SPD Type(s): N/A SPD Indicator: N/A

Device Rating: 63 A Type S RCD: N/A RCD Operating time at IΔn: N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
2/L3	Sockets Room 3/4	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
3/L3	Sockets Room 3/4	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
4/L3	Sockets Room 5/6/7	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
5/L3	Sockets Room 8/9/10	Ring Final Circuit	9	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
6/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
7/L3	Sockets	Ring Final Circuit	N/V	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5
8/L3	Cooker 1	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
9/L3	Cooker 2	Radial Circuit	1	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	10	4
10/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12/L3	Common lighting	Radial Circuit	8	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
13/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
14/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
15/L3	Lighting	Radial Circuit	6	0.4	61009	C	10	10	2.185	61009	A	30	10	D	B	1.5	1
16/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/L3	Spare	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/L3	Sockets Room 1/2	Ring Final Circuit	6	0.4	61009	B	32	10	1.3656	61009	A	30	32	D	B	2.5	1.5

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number	**ESEITTC10070114_2**	**PTSG Job Ref**	ESEIT33020
DB Reference	DB CL1/C	DB Location	Second Floor Kitchen Flat 1

Details of circuits and/or installed equipment vulnerable to damage when testing

Circuits with connected lamps/control gear;Circuits with appliances plugged in to outlets where deemed impractical to remove all plugs.;Circuits with connected fixed appliances.

Tested By

Name: Grant Maclachlan Date: 16/09/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs	0.17	Ω	Nominal Voltage	230	v	Polarity	✓	Ipf	1.35	kA	No of Phases	1	Phase Rotation	N/A

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
2/L3	0.34	0.35	0.52	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.39	29	N/A	✓	N/A	
3/L3	0.28	0.28	0.47	0.19	N/A	N/A	LIM	>999	>999	250	✓	0.36	32.5	N/A	✓	N/A	
4/L3	0.22	22	0.37	0.15	N/A	N/A	LIM	>999	>999	250	✓	0.32	39.3	N/A	✓	N/A	
5/L3	0.31	0.31	0.51	0.20	N/A	N/A	LIM	>999	>999	250	✓	0.37	38.6	N/A	✓	N/A	
6/L3	0.19	0.19	0.32	0.13	N/A	N/A	LIM	>999	>999	250	✓	0.30	37.5	N/A	✓	N/A	
7/L3	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.39	37.5	N/A	✓	N/A	
8/L3	N/A	N/A	N/A	0.14	N/A	N/A	LIM	>999	>999	250	✓	0.31	32.9	N/A	✓	N/A	
9/L3	N/A	N/A	N/A	0.12	N/A	N/A	LIM	>999	>999	250	✓	0.29	33.9	N/A	✓	N/A	
10/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12/L3	N/A	N/A	N/A	0.62	N/A	N/A	LIM	>999	>999	250	✓	0.79	38.2	N/A	✓	N/A	
13/L3	N/A	N/A	N/A	0.81	N/A	N/A	LIM	>999	>999	250	✓	0.98	35.1	N/A	✓	N/A	
14/L3	N/A	N/A	N/A	0.74	N/A	N/A	LIM	>999	>999	250	✓	0.88	32.2	N/A	✓	N/A	
15/L3	N/A	N/A	N/A	0.63	N/A	N/A	LIM	>999	>999	250	✓	0.80	36.2	N/A	✓	N/A	
16/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
17/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
18/L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1/L3	0.33	0.33	0.55	0.22	N/A	N/A	LIM	>999	>999	250	✓	0.40	28	N/A	✓	N/A	

Circuit Details

PTSG PREMIER TECHNICAL SERVICES GROUP
Electrical Services Ltd

Reference Number ESEITTC10070114_1 **PTSG Job Ref** ESEIT33020

DB Reference BUSBAR RISER CORE C DB Location Riser Core C

Distribution Board Comments

N/A

Supply From DB Reference MPB RESI Circuit Number 13/TP

Over Current Device 60947 MCCB

RCD Operating Current N/A mA

SPD Type(s) N/A SPD Indicator N/A

Device Rating 400 A Type S RCD N/A

RCD Operating time at IΔn N/A ms

Circuit Number	Circuit Description	Circuit Category	Number of Points Served	Disconnection Time (seconds)	Devices BS (EN)	Device Type	Device Rating (A)	Device Breaking Capacity (kA)	Maximum Permitted Zs (Ω)	RCD BS (EN)	RCD Type	RCD Operating Current (mA)	RCD Rating (A)	Type of Wiring	Installation Method	Live csa (mm²)	cpc csa (mm²)
1/TP	FLAT 1	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
2/TP	FLAT 2	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
3/TP	FLAT 3	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
4/TP	FLAT 4	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
5/TP	FLAT 5	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
6/TP	FLAT 6	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
7/TP	FLAT 7	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
8/TP	FLAT 8	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
9/TP	FLAT 9	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
10/TP	FLAT 10	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
11/TP	FLAT 11	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
12/TP	FLAT 12	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
13/TP	FLAT 13	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
14/TP	FLAT 14	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
15/TP	FLAT 15	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
16/TP	FLAT 16	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
17/TP	DB BMS	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
18/TP	DB FF4	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
19/TP	DB LL7	Sub Main	1	5	60947	MCCB	63	25	0.3468	N/A	N/A	N/A	N/A	G	E&F	25	10
20/TP	DB PL/C	Sub Main	1	5	60947	MCCB	100	25	0.2185	N/A	N/A	N/A	N/A	G	E&F	25	10

Types of Wiring: A. PVC/PVC Cables; B. PVC Cables in metallic conduit; C. PVC Cables in non-metallic conduit; D. PVC Cables in metallic trucking; E. PVC Cables in non-metallic trucking; F. PVC/SWA Cables; G. XLPE/SWA cables; H Mineral Insulated Cables; NA. N/A; O. Other

Installation methods A. In conduit in thermally insulated wall; B. In conduit on a wall or in trucking; C. Clipped direct; D. Direct buried or in ducting or conduit in ground; E&F. In free air or on cable tray or ladder touching; G. In free air or on cable; 100. Twin and Earth above plasterboard ceiling, insulation <100mm; 101. Twin and Earth above plasterboard ceiling, insulation >100mm; 102. Twin and Earth within insulated stud wall, touching inner wall; 103. Twin and Earth within insulated stud wall, not touching inner wall

Test Results

Reference Number ESEITTC10070114_1 **PTSG Job Ref** ESEIT33020

DB Reference: BUSBAR RISER CORE C

DB Location: Riser Core C

Details of circuits and/or installed equipment vulnerable to damage when testing

Sub main circuits with connected distribution boards and associated final circuits and accessories

Tested By

Name: Grant Maclachlan Date: 15/08/2025

Signature: G.C. Maclachlan

Test Instrument Serial Number: Megger MFT 1721 - 102506997

Distribution Board Characteristics

Zs: 0.05 Ω Nominal Voltage: 400 v Polarity: ✓ Ipf: 9.56 kA No of Phases: 3 Phase Rotation: ✓

Circuit Number	Ring final circuit continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)					Polarity	Measured Zs (Ω)	RCD			AFDD Test Button Operation	Circuit Comments
	r1 (line)	rn (neutral)	r2 (cpc)	R1 + R2	R2	Line-Line	Line-Neutral	Line-Earth	Neutral-Earth	Test Voltage			@IΔn (ms)	@5IΔn (ms)	Test Button Operation		
1/TP	N/A	N/A	N/A	0.12	N/A	LIM	LIM	>999	>999	250	✓	0.17	N/A	N/A	N/A	N/A	
2/TP	N/A	N/A	N/A	0.09	N/A	LIM	LIM	>999	>999	250	✓	0.14	N/A	N/A	N/A	N/A	
3/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
4/TP	N/A	N/A	N/A	0.11	N/A	LIM	LIM	>999	>999	250	✓	0.16	N/A	N/A	N/A	N/A	
5/TP	N/A	N/A	N/A	0.05	N/A	LIM	LIM	>999	>999	250	✓	0.10	N/A	N/A	N/A	N/A	
6/TP	N/A	N/A	N/A	0.10	N/A	LIM	LIM	>999	>999	250	✓	0.15	N/A	N/A	N/A	N/A	
7/TP	N/A	N/A	N/A	0.10	N/A	LIM	LIM	>999	>999	250	✓	0.15	N/A	N/A	N/A	N/A	
8/TP	N/A	N/A	N/A	0.08	N/A	LIM	LIM	>999	>999	250	✓	0.13	N/A	N/A	N/A	N/A	
9/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
10/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
11/TP	N/A	N/A	N/A	0.04	N/A	LIM	LIM	>999	>999	250	✓	0.09	N/A	N/A	N/A	N/A	
12/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
13/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
14/TP	N/A	N/A	N/A	0.04	N/A	LIM	LIM	>999	>999	250	✓	0.09	N/A	N/A	N/A	N/A	
15/TP	N/A	N/A	N/A	0.05	N/A	LIM	LIM	>999	>999	250	✓	0.10	N/A	N/A	N/A	N/A	
16/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	
17/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A	N/A	
18/TP	N/A	N/A	N/A	0.18	N/A	LIM	LIM	>999	>999	250	✓	0.23	N/A	N/A	N/A	N/A	
19/TP	N/A	N/A	N/A	0.01	N/A	LIM	LIM	>999	>999	250	✓	0.06	N/A	N/A	N/A	N/A	
20/TP	N/A	N/A	N/A	0.06	N/A	LIM	LIM	>999	>999	250	✓	0.11	N/A	N/A	N/A	N/A	

Observations

Item	General Installation Observations	Outcome
1.	Not Applicable	N/A

Item	DB Reference	Distribution Board Observations	Outcome
2.	DB/CL14/C	The following observation has been noted Lock on cover of Db missing	C3
3.	DB-PL-C-Power	DB/CU cover not provided with adequate number of fixings - cover in place - 134.1.1	C3
4.	Db/CL15/C	Blank spaces/spares ways in DB/CU have no appropriate manufacturer approved blank protective barrier in place - no access to live parts - 134.1.1/416.2.3	C3
5.	DB/CL16/C	Blank spaces/spares ways in DB/CU have no appropriate manufacturer approved blank protective barrier in place - no access to live parts - 134.1.1/416.2.3	C3

Item	DB Reference	Circuit Reference	Circuit Observations	Outcome
6.	Not Applicable	Not Applicable	Not Applicable	Not Applicable

ELECTRICAL INSTALLATION CONDITION REPORT
GUIDANCE FOR RECIPIENTS

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

The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (See Section 4). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.

This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

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.

Section 3 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitation on the inspection and testing, The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like before the inspection was carried out).

Some operational limitations such as inability to gain access to parts of the installation or an item or equipment may have been encountered during the inspection. The inspector should have noted these in section 3 – Extent and Limitation on page 1.

For Items classified in the observations as C1 ("Danger present"), the safety of those using the installation is at risk, and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.

For items classified in the observations as C2 ("Potentially dangerous"), the safety of the those using the installation may be at risk and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work as a matter or urgency.

Where is has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which may result in a Code 1 or Code 2, and could not, due to the extent or limitation 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 7 – Recommendations.).

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 net inspection is due is stated on page 2 of the Report under "Recommendations".

Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked "T" or "Test". The device should switch off the supply when the button is pressed and should then be switched on to restore the supply, If the device does not switch off the supply when the button is pressed, seek expert advice, For safety reasons it is imports that this instruction is followed.

Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with the manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important the this instruction is followed.

Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation and all sources of supply.