

ELECTRICAL INSTALLATION CONDITION

Report Reference: 69718

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations

DETAILS OF THE PERSON ORDERING THE REPORT

Client: ~University of Warwick

Estates Office, Porta Cabin, R/O Boiler House, Lord Bhattacharyya Way, Coventry, CV4 7AL Address:

REASON FOR PRODUCING THIS REPORT

Reason for producing this report:

Safety assessment as requested by the client.

Date(s) on which inspection and testing was carried out: 18/09/2020

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

~University of Warwick - Year 2 - Dunsmere Residential - 03-022, Estates Office, Porta Cabin, Installation Address:

R/O Boiler House, Lord Bhattacharyya Way, Coventry, CV4 7AL

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

Evidence of additions/ Yes if yes, estimated age:

20 years Estimated age of wiring system: alterations:

Installation records available? (Regulation 651.1) Yes 06/07/2015 Date of last inspection:

EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% of the installation.

Agreed limitations including the reasons (see Regulation 653.2):

Please see the additional page at the rear.

Nigel Harrison - Testing Managers (Estates) Agreed with:

Operational limitations including the reasons:

Please see the additional page at the rear.

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

It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*:

UNSATISFACTORY

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

RECOMMENDATIONS

 $\sqrt{}$ here 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

Investigation without delay is recommended for observations identified as 'FI - Further Investigation Required'.

Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that

5 Years

the installation is further inspected and tested by:

Note: The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

10

years

OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

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

N/A There are no items adversely affecting electrical safety

or

✓ The

The following observations and recommendations are made

Item No	Observations	Classification Code
03-022	2-00-045-DB1 (DB B/G) (Dorman Smith)	
1	5L1 - Handryer, Shower Room, 003 - No RCD protection to circuit within bathroom and no sign of supplementary bonding.	C2
2	4L1 - Handryer, Main Bathroom, 009 - No RCD protection to circuit within bathroom and no sign of supplementary bonding.	C2
03-022	2-01-026A-DB1 (DB /F) (Dorman Smith)	
3	8L1 RFC - Sockets - Rooms, 020, 022, 023 - Neutral reading out of range of + - 0.05.	FI
4	6L3 - Handryer Shower Room, 014 - No RCD protection to circuit within bathroom and no sign of supplementary bonding.	C2
03-022	2-02-005C-DB1 (DB D/S) (Dorman Smith)	
5	9L2 RFC - Sockets - Kitchen/Dining, 013 - Damaged socket.	C2
6	9L3 RFC - Sockets - Rooms, 001, 004, 007 - Screws missing from accessory face plate.	C2
7	16 L2 Handryer, Bathroom, 014 - No RCD protection to circuit within bathroom and no sign of supplementary bonding.	C2
03-022	2-00-024-DB1 (DB DB/CT1) (Eaton 3)	
8	6L2 RFC - Sockets, Lounge, 027, 028, 022A- High resistance on rn over the +/- 0.05 tolerance.	FI
03-024	I-00-001A Tutors Flat Garage (Eaton 3)	
9	2L2 Sockets, Garage - 001A- Has a RCD on both socket and consumer unit it is causing a conflict. {531.3.2}	C3
	e following codes, as appropriate, has been allocated to each of the observations made above to indicate to le for the installation the degree of urgency for remedial action.	the person(s
C1 Dan Risk	ger Present C2 Potentially dangerous C3 Improvement FI Further inv	estigation ithout delay
mmedia	ate remedial action required for items: N/A	
rgent r	emedial action required for items: 1, 2, 4, 5, 6, 7	
mprove	ment recommended for items: 9	
1		

GENERAL CONDITION OF THE INSTALLATION

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

This installation is in a good condition.

There is additional 30mA RCD protection to various circuits however this is recommended for improvement. Main equipotential bonding connections to the following services Water / Gas are connected in 25mm conductors located in the following locations Gas - 03-022-00-002 External Plant Room Next To Bike Shed, Water - Ground Floor Distribution Cupboard

O DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section 4 of this report.

Report reviewed and authorised for issue by: Name: Keith Buck Position: Qualified Supervisor Signature: Date: 20/08/2020 10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Number and Type of Live Conductors Arrangements TN-S V 1-phase ac: V dc: N/A Nominal Voltage(s): U: 400 V Uo: 230 V BS(EN): BS EN 60947-3 TN-C-S N/A 2-phase (3 wire): N/A 3-phase (3 wire):	in section	n 4 of t	his report.														
Lockington Derbyshire	Trading ⁻	Title:	~Norwoo	od Electr	rical (UK	() Ltd											
Postcode: DE74 2RH For the INSPECTION, TESTING AND ASSESSMENT of the report: Name: Paul Springthorpe Position: Electrician Signature: Date: 01/10/2020 Report reviewed and authorised for issue by: Name: Keith Buck Position: Qualified Supervisor Signature: Date: 20/08/2020 To SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Arrangements Number and Type of Live Conductors acrangements This 2 (2 wire): N/A (3 wire): N/A 2-phase (3 wire): N/A 3-phase (3 wire): N/A Confirmation of supply polarity: V Number of supples: 1 TI N/A Confirmation of supply polarity: V Number of supples: 1 TI N/A Confirmation of supply polarity: V Number of supples: 1 TI N/A Confirmation of supply polarity: V Number of supples: 1 Type: Location: Method of measurement: N/A Resistance part electrode (where applicable) Distributor's facility: Installation Earth Electrode (where applicable) Distributor's facility: N/A Resistance part electrode: N/A Resistance part ele	Address:				e, Lockii	ngton	Hall						umber	03278	38		
For the INSPECTION, TESTING AND ASSESSMENT of the report: Name: Paul Springthorpe Position: Electrician Signature: Date: 01/10/2020 Report reviewed and authorised for Issue by: Keith Buck Position: Qualified Supervisor Signature: Date: 20/08/2020 10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Number and Type of Live Conductors Arrangements Arrangem			_								Teleph	one Num	nber:	0844	800 5	540	
For the INSPECTION, TESTING AND ASSESSMENT of the report: Name: Paul Springthorpe Position: Electrician Signature: Date: 01/10/2020 Report reviewed and authorised for Issue by: Keith Buck Position: Qualified Supervisor Signature: Date: 20/08/2020 10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Number and Type of Live Conductors Arrangements Arrangements C3 wire): N/A 1-phase C3 wire): N/A 2 pole: N/A 2 pole: N/A Nominal frequency, f: 50 Hz Type:						Po	stcode:	DE7	74 2RH								
Name: Paul Springthorpe Position: Electrician Signature: Date: 01/10/2020						. 0	Stoodo.	22.									
Report reviewed and authorised for issue by: Name: Keith Buck	For the	INSPE	CTION, TES	STING A	AND ASS	SESSM	IENT of	the re	eport:								
Name: Keith Buck Position: Qualified Supervisor Signature: Date: 20/08/2020 10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Arrangements TN-S V 1-phase 2-phase 3-phase 3-phase (3 wire): N/A 2-pole: N/A 3-phase (3 wire): N/A 3-	Name:	Pa	ul Springth	orpe	Position	on:	Ele	ctricia	n	Sig	nature:				Date:	01/10/	2020
SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Arrangements TN-S		review				_	D !!C! .	-I. C								20/00	(0000
Rarthing Arrangements Number and Type of Live Conductors Nature of Supply Parameters Supply Protective Device	Name:		Keith Buc	K	Positi	on: C	2ualifie	a Supe	ervisor	Sig	nature:				Date:	20/08/	2020
Arrangements TN-S								HINC						6	D		
TN-C-S N/A 2-phase (2 wire): N/A 3-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): N/A 3-phase (3		0	i Numb					NI/A	i Nat	ure	or Suppi	y Param	eters	Supply	y Prote	ctive De	evice
TN-C-S N/A 2-phase (3 wire): N/A 3-phase (3 wire): N/A 3-phase (4 wire): V Other: N/A Other: N/A Other: N/A Other: N/A Other: N/A Other: N/A External earth fault loop impedance, Ze: 0.12 Ω Short-circuit capacity: 6 kA TT N/A Confirmation of supply polarity: V Number of supplies: 1 Short-circuit capacity: 6 kA TN/A Confirmation of supply polarity: V Number of supplies: 1 TN/A Confirmation of supply polarity: V Number of supplies: 1 TN/A Confirmation of supply polarity: V Number of supplies: 1 TN/A Confirmation of supply polarity: V Number of supplies: 1 TN/A Confirmation of supply polarity: V Number of supplies: 1 Type: Location: Loc	TN-S	~		Ν/Δ 1-	phase						U: 400	V Uo:	230 V	BS(EN):	BS E	N 609	47-3
TNC N/A 3-phase (3 wire): N/A 3-phase (4 wire): Vother: N/A Current, place (3 wire): N/A Other: N/	TN-C-S	N/A	¦ 2-phasé	(3	wire):				i		frequen	cy, f:	50 Hz	Type:			
TT N/A Other: N/A Other: N/A	TNC	N/A	3-phase	N/A 3-	•								3.33kA	Rated cu	rrent:	250	Α
Number of supplies: 1 Number of supplies: 1 Number of supplies: 1	TT	N/A		(4	,	N/A			Exter	rnal	earth fa		0.12 Ω			6	kA
PARTI CULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE Means of Earthing Distributor's facility: Installation Details of Installation Earth Electrode (where applicable) Installation earth electrode: N/A Resistance to Earth: Ω Method of measurement: Maximum Demand (Load): LIM Amps Protective measure(s) against electric shock: ADS Main Switch / Switch-Fuse / Circuit-Breaker / RCD Type BS(EN): Number of poles: Supply conductors or setting: 250 A Supply conductors waterial: Supply conductors can be setting: Voltage rating: Volt	IT	N/A	Confirmati	on of sup	oply pola	 ırity:		V	1	-			1	capacity.			
Means of EarthingDetails of Installation Earth Electrode (where applicable)Distributor's facility:Type:Location:Installation earth electrode:N/AResistance to Earth:Method of measurement:earth electrode:N/ALIM AmpsProtective measure(s) against electric shock:ADSMaximum Demand (Load):LIM AmpsProtective measure(s) against electric shock:ADSMain Switch / Switch-Fuse / Circuit-Breaker / RCD Type BS(EN):SupplyIf RCD main switch: Rated residual operating current (IΔn): Rated time delay:mANumber of poles:3Fuse/device rating or setting: 	11/PA	RTIC	ULARS C)F INS	TALLA	TLON	J RFFF	RRF	:				CATE				
facility: Installation earth electrode: Maximum Demand (Load): LIM Amps Protective measure(s) against electric shock: Maximum Demand (Load): LIM Amps Protective measure(s) against electric shock: ADS Supply Conductors Type BS(EN): 60947-3 Isolator Supply Supply Fuse/device rating or setting: Voltage rating: Voltage rating: Voltage rating: Conductors Conductor C	Means	of Earth		1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									e)			
Installation earth electrode: N/A Resistance to Earth: Ω Method of measurement: Metho		or's	~	Type	:				Locatio	on:							
Main Switch / Switch-Fuse / Circuit-Breaker / RCD Type BS(EN): 60947-3 Isolator	Installati		N/A	1			Ω										
Type BS(EN): 60947-3 Isolator Current rating: 250 A conductors material: Supply conductors or setting: 250 A Supply conductors or setting: 250 A Supply conductors waterial: Supply conductors ca: (SWA mm² material: Supply conductors ca: (SWA mm² material: Supply conductors ca: (SWA mm² material: Supply conductors ca: (SWA mm² continuity verified: Connection/ Conductors material: Supply conductors ca: (SWA mm² conductors continuity verified: Connection/ Conductors material: Main protective bonding conductors Supply conductors Copper waterial: Rated residual operating current (IΔn): Rated time delay: ms Measured operating time (at IΔn): To water installation pipes: To lightning protection: To dil installation pipes: N/A To oil installation pipes: To oil installation pipes: To other service(s):	Maximur	n Dema	and (Load):	LIM	Amps	Pro	tective r	neasur	re(s) agai	inst	electric	shock:			ADS		
Solution		itch / S	witch-Fuse /	/ Circuit-	Breaker	/ RCD			Supply	 /					tch:		
Fuse/device rating or setting: Voltage rating: Voltage	BS(EN):	609	47-3 Isolat	or Cu	rrent rat	ing:	25	60 A	condu	ctors	s Co	opper			nt (l∆n)	:	- mA
Voltage rating: 800 v Conductors csa: Earthing and Protective Bonding Conductors Earthing conductor Continuity verified: Main protective bonding conductors Connection/ To oil installation pipes: To oil installation pipes: To other service(s):		3				e rating	g 25	60 A				0		•			- ms
Earthing and Protective Bonding Conductors Earthing conductor Conductor Conductor Copper material: Main protective bonding conductors Earthing and Protective Bonding Conductors Connection/ Connection/ Connection/ Bonding of extraneous-conductive parts To water installation pipes: To oil installation pipes: To oil installation pipes: To other service(s):					_	ing:	80	00 v		ctors	s 95	mm ²		•	ting		- ms
Conductor Copper csa: (SWA mm² continuity verified: To oil installation pipes: To lightning protection: N/A pipes: To other service(s):	_			ding Con	ductors		onnectio	nn/					s-conduct	ive parts	install	 ation	
Main protective bonding conductors Connection/ Main protective bonding conductors Connection/ N/A protection: N/A protection: To other service(s):	9			csa:	(SWA m								•	pipes:			•
To other service(s):					(3.77.11	V		nn /				tion	N/A	protect	tion:		N/A
Conductor complete continuity con	Conducto	or			25 m	nm ² Co	ontinuity		To	str			N/A	To othe			

12/IN	ISPECTION SCHEDULE		
Item	Description	Comment	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTIO	N ONLY)	
1.1	Service cable		LIM
1.2	Service head		LIM
1.3	Earthing arrangements		LIM
1.4	Meter tails		LIM
1.5	Metering equipment		LIM
1.6	Isolator (where present)		LIM
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCH	CHED ALTERNATIVE SOURCES	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)		N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)		N/A
3.0	AUTOMATIC DISCONNECTION OF SUPPLY		
3.1	Main earthing/bonding arrangements (411.3; Chap 54):		
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3)		✓
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)		'
3.1.3	Adequacy of earthing conductor connections (542.3.2)		'
3.1.4	Accessibility of earthing conductor connections (543.3.2)		'
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)		✓
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		~
3.1.7	Accessibility of all protective bonding connections (543.3.2)		✓
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)		•
3.2	FELV - requirements satisfied (411.7; 411.7.1)		N/A
4.0	OTHER METHODS OF PROTECTION (where any of the methods listed provided on separate sheets)	below are employed details sho	uld be
4.1	Non-conducting location (418.1)		N/A
4.2	Earth-free local equipotential bonding (418.2)		N/A
4.3	Electrical separation (Section 413; 418.3)		N/A
4.4	Double insulation (Section 412)		N/A
4.5	Reinforced insulation (Section 412)		N/A
5.0	DI STRI BUTI ON EQUI PMENT		
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)		'
5.2	Security of fixing (134.1.1)		'
5.3	Condition of insulation of live parts (416.1)		✓
5.4	Adequacy/security of barriers (416.2)		'
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)		'
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)		~
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)		✓
5.8	Presence and effectiveness of obstacles (417.2)		N/A
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)		~
OUTCON Accepta condition	ble TLOK Unacceptable C1 = C2 Improvement C2 Further		ot N/A

13/11	SPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
5.10	Operation of main switch(es) (functional check) (643.10)		~
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)		~
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)		~
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)		N/A
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	Item 1,2,4,7	C2
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)		'
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		'
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)		'
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)		N/A
5.19	Presence of next inspection recommendation label (514.12.1)		✓
5.20	Presence of other required labelling (please specify) (Section 514)		~
5.21	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)		•
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)		•
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		~
6.0	DISTRIBUTION CIRCUITS		
6.1	Identification of conductors (514.3.1)		'
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		'
6.3	Condition of insulation of live parts (416.1)		'
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		'
6.6	Cables correctly terminated in enclosures (Section 526)		'
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)		~
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)		•
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)		~
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)		'
OUTCON Accepta conditi	ble TICK Unacceptable C1 or C2 Improvement C3 Further		Not licable N/A

14/11	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)		~
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)		✓
6.15	Cables concealed under floors, above ceilings, in walls/partitions	less than 50mm from a surface, an	d in
6.15.1	partitions containing metal parts: Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or		~
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.204)		~
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		~
6.17	Band II cables segregated/separated from Band I cables (528.1)		'
6.18	Cables segregated/separated from non-electrical services (528.3)		'
6.19	Condition of circuit accessories (651.2)		'
6.20	Suitability of circuit accessories for external influences (512.2)		'
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
6.22	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)		~
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)		~
6.24	General condition of wiring systems (651.2)		✓
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)		✓
7.0	FINAL CIRCUITS		
7.1	Identification of conductors (514.3.1)		✓
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		✓
7.3	Condition of insulation of live parts (416.1)		✓
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		~
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)		~
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)		~
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)		~
7.11	Cables concealed under floors, above ceilings, in walls/partitions, (522.6.201; 522.6.202; 522.6.203; 522.6.204):	adequately protected against dam	age
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)		~
7.11.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.201; 522.6.204)		•
Acceptal condition	ble TLCK Unacceptable C1 or C2 Improvement C3 Further		ot N/A

5 IN	SPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
7.12	Provision of additional protection by 30mA RCD:		
7.12.1	For all socket-outlets of rating 32A or less unless exempt (411.3.3) *	Item 8	C2
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *		~
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *		~
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *		•
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *		N/A
	* Note: Older installations designed prior to BS 7671:2018 may not have protection.	been provided with RCDs for additiona	ıl
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		~
7.14	Band II cables segregated/separated from Band I cables (528.1)		✓
7.15	Cables segregated/separated from non-electrical services (528.3)		✓
7.16	Termination of cables at enclosures – identify/record numbers and 526):	d locations of items inspected (Sec	tion
7.16.1	Connections under no undue strain (526.6)		✓
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)		✓
7.16.3	Connections of live conductors adequately enclosed (526.5)		'
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)		•
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	Item 5	C2
7.18	Suitability of accessories for external influences (512.2)		✓
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)		~
8.0	ISOLATION AND SWITCHING		
8.1	Isolators (Sections 460; 537):		
8.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)		/
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)		~
8.1.3	Capable of being secured in the OFF position (462.3)		'
8.1.4	Correct operation verified (643.10)		✓
8.1.5	Clearly identified by position and/or durable marking (537.2.6)		✓
8.1.6	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
8.2	Switching off for mechanical maintenance (Section 464; 537.3.2):		
8.2.1	Presence and condition of appropriate devices (464.1; 537.3.2)		✓
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)		~
8.2.3	Capable of being secured in the OFF position (462.3)		'
8.2.4	Correct operation verified (643.10)		'
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)		✓
OUTCOM Acceptal condition	ole TICK Unacceptable C1 or C2 Improvement C2 Further	verified N/V Limitation LIM appli	ot N/

16/IN	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
8.3	Emergency switching/stopping (Section 465; 537.3.3):		
8.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)		N/A
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)		N/A
8.3.3	Correct operation verified (643.10)		N/A
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)		N/A
8.4	Functional switching (Section 463; 537.3.1):		
8.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)		✓
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)		'
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
9.1	Condition of equipment in terms of IP rating etc (416.2)		✓
9.2	Equipment does not constitute a fire hazard (Section 421)		~
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)		~
9.4	Suitability for the environment and external influences (512.2)		✓
9.5	Security of fixing (134.1.1)	Item 5,6	C2
9.6	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)		~
9.7	Recessed luminaires (downlighters):		
9.7.1	Correct type of lamps fitted (559.3.1)		N/A
9.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)		N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)		N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)		N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	Items 1,2,4,7	C2
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)		'
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		N/A
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)		•
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)		•
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		•
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)		•
10.8	Suitability of current-using equipment for particular position within the location (701.55)		✓
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separ	rately the results of particular inspec	tions)
11.1	N/A		N/A
11.2	N/A		N/A
11.3	N/A		N/A
OUTCON Accepta condition	ble Troy Unacceptable Garage Improvement Garage Further	Not N/V Limitation LIM app	Not N/A

1 7 <u> </u>	SCHEDULE OF CIRCUI	T DETAIL	LS A	AND	TE	ST F	RESI	UL	ΓS																		
Distr	ribution board designation:	03-022-0	00-0	002-	MP1	1 (M	IP1)	(Do	ormin Sr	mith	1)	Loc	catio	n:			03	3-022	-00-00	02							
				7		condu	cuit ictors:	ect time BS7671	Overcuri	rent p		ve	RCD	BS7671		Circuit im	oedance				nsulation esistance			t loop e Zs	RC	D	AFDE
Circuit number and phase	Circuit designation		Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect permitted by B	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by B	(meas	inal circui ured end	to end)	(one con	ircuits olumn to npleted)	- Live	Live - Earth	st voltage	Polarity	Maximum mea: earth fault loop impedance Zs	Disconnection time	Test button operation	Test button operation
Circl			Туре	Refe	Num point	mm ²	mm ²	s Me		Τ	A Sa	kA	mA	Ω	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ +R ₂	R ₂	Σ NΩ	i MΩ	< Test	Po Po	Ω E & E	ms	√ op	op Te
1 TP	Sub Mains 00-002		G	Е	1	25	70	5	60947-2	N/A	63	19		0.15					0.01				~	0.12			
2 TP	Sub Mains (00) (Supply to 03-022-00-045-DB1 (DB I (Dorman Smith))		G	E	1	35	80	5	60947-2	N/A	80	19		0.19					0.01		>999	500	V	0.12			
3 TP	Sub Mains (01) (Supply to 03-022-01-026A-DB1 (DB (Dorman Smith))		G	E	1	25	70	5	60947-2	N/A	80	19		0.19					0.10		>999	500	V	0.19			
4 TP	TP Sub Mains (02) (Supply to G 03-022-02-005C-DB1 (DB D/S) (Dorman Smith))					25	70	5	60947-2	N/A	80	19		0.19					0.15		>999	500	~	0.28			
5 TP	Spare																										
TYP	A A S FOR Thermoplastic insulated/sheathed RING cables I	B Thermoplastic cables in metallic conduit	'		C rmopla ables etallic	in	t	C	D ermoplastic cables in allic trunking			E rmopl ables tallic	in		F Thermop /SWA c			G mosettir 'A cable:	-	H Miner insulated				o - 01 FP2			
APP Supply	BOARD CHARACTERIS PLIES WHEN THE BOARD IS If to this distribution board is	S NOT CONI							OF THE IT		ALLA of ph			3					Con	firmatic	on of sup	oply p	olari	ty:			,
for the	e distribution circuit:	BS(EN):				LIM					ting:	alaa.		LIM	A v	lominal 'oltage:		0 V	Zs: Disc	connecti		12 Ω - ms		of: isconn	ectior	1	33 k
RCD		BS(EN):	ТО-							INO	of po	nes:			k	ating:		mA		e at In:		· ins		me at		<u> </u>	m
	DETAILS OF TEST INStalls of Test Instruments used			or as	sset i	numk	pers):																				
Multi-f	functional:	sula	ation resis	tanc	e:				10	200784	13		C	ontinuit	y:		10	2007	843								
Earth (electrode resistance:	1020	078	43			Ea	arth	fault loop	imp	edan	ce:			10	200784	13		R	CD:			10	2007	843		
20/T Nam	ESTED BY ne: Paul Springtho	irne	D	ositio	ın:				Electricia	n				Signa	turo:							Da	to:	21	0/08/	202	0
ivaili	i aui Spinigtiio	,, bc		031110					Licetificial	''				Jigi ia	tare.							Da	ic.		5/00/		

	CHEDULE OF CIRCUIT DETAI								o i + b	,		4! -				0,	2 022	-00-00	12							
Distr	ibution board designation: 03-022-	00-0	002	-IVIP	I (IVI	cuit	` _					catio				U.	3-022	-00-00		noulation						
_			0		condu	ictors: sa	t time 3S767	Overcurr	ent pr evices		/e	RCD	BS7671	(Circuit imp	edance		rcuits		nsulation esistance			sured p	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7677	BS(EN)	Type No	▶ Rating	중 Capacity	g Operating ➤ current, I∆n	α Maximum Z _S permitted by E		inal circuit ured end t rn (Neutral)		(one co	lumn to	ΩM Live - Live	Ω More - Earth	< Test voltage		Maximum measured a earth fault loop impedance Zs	B Disconnection stime	Test button operation	Test button operation
6 TP	Spare																									
7 L1	Sub Mains Comms 00-044B	G	E	1	16	41	5	60947-2	N/A	63	19		0.22				LIM 2						LIM 2			
7 L2	Sub Mains Tutors Flat 00-029 (Supply to 03-022-00-024-DB1 (DB DB/CT1) (Eaton 3))	G	E	1	25	70	5	60947-2	N/A	100	19		0.16				0.10			> 999	500	~	0.16			
7 L3	Sub Mains Flat Left Side 00-033 (Supply to 03-022-00-033-DB1 (DB CT2) (Eaton 3))	G	E	1	25	70	5	60947-2	N/A	100	19		0.16				0.06			> 999	500	~	0.15			
8 L1	Sub Mains Flat Right Side 00-34 (Supply to 03-022-00-034-DB1 (DB CT3) (Eaton 3))	G	E	1	25	70	5	60947-2	N/A	100	19		0.16				0.08			> 999	500	~	0.17			
8 L2	Spur - Fire Alarm supply 00-002	0	Е	1	2.5	2.5	5	60947-2	N/A	16	19		0.97					0.15				~	0.32			
8 L3	Spur - Emergency lighting panel 00-002	G	Е	1	4	19	5	60947-2	N/A	16	19		0.97					0.10				~	0.25			
9 TP	Spare																									
10 TP	Spare																									
11 TP	Spare																									
12 TP	Main Isolator 00-002																					~	0.12			
																										-
	A B			С				D			E			F			G		Н				O - Ot	her		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic conduit			ermoplicables etallic	in	t	C	ermoplastic ables in Illic trunking	r		moplables	in		Thermor	olastic		mosettin 'A cables		Miner nsulated				FP2			

S	SCHEDULE OF CIRCU	IT DETAIL	_S A	AND	TE	ST F	RES	ULT	S																		
Distr	ibution board designation:	03-022-0	0-0	45-[DB1	(DB I	3/G)) (Do	orman Sı	mith))	Loc	catio	n:			03	3-022-	00-04	45							
				70		Circ condu cs	ctors:	t time S7671	Overcur	rent pr		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			measured t loop e Zs	RC	:D	AFDD
Circuit number and phase	Circuit designation		Type of wiring	Reference Method	Number of points served	Live mm ²	cpc mm ²	Max disconnect to permitted by BS	BS(EN)	Type No	➤ Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by E	(measi	rn (Neutral)		All cir (one col be com	umn to	- Live - Live	Ω MΩ	< Test voltage		Maximum mea C earth fault loop impedance Zs	B Disconnection time	Test button operation	Test button operation
1 L1	Lights - Rooms, 010, 01. 014,011, 013	2,	Α	E	10	1.5	1	0.4	60898	В	10	10		3.50				1.63			>999	500	~	1.77			
1 L2	Lights, 004B		Α	E	4	1.5	1	0.4	60898	В	10	10		3.50				0.90			>999	500	~	1.05			
1 L3													500	•	0.53												
2 L1	Lights - Rooms, 015, 01 020, 018, 016, 044B													3.50				1.48			>999	500	V	1.67			
2 L2	Lights, 004A		Α	Е	13	1.5	1	0.4	60898	В	10	10		3.50				0.85			>999	500	~	1.01			
2 L3	Lights, 005		Α	E	12	1.5	1	0.4	60898	В	10	10		3.50				0.34			>999	500	•	0.51			
3 L1	Lights, 003, 009, 008, 04	46	Α	Е	4	1.5	1	0.4	61009	В	10	10		3.50				0.06			> 999	500	•	0.20	18.1	•	
3 L2	Salto, 045		Α	Ε	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.04			>999	500	•	0.16			
TYP	S FOR Thermoplastic E OF insulated/sheathed RI NG cables	B Thermoplastic cables in metallic conduit		(C ermopli cables etallic		t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermor /SWA c			G mosettino A cables		H Minera insulated o				o - 01 FP2			
APP	BOARD CHARACTERI LIES WHEN THE BOARD I to this distribution board is	IS NOT CON							DF THE I (h) - 2 TP		ALLA of ph			3					Con	firmatio	n of sup	ply p	olarit	:y:			'
	urrent protective device distribution circuit:	BS(EN):		609	47-2	? - Ty	/pe l	V/A		Rat	ing:			80		ominal oltage:	40	0 V	Zs:			12 Ω	lpt				70 ka
RCD											of po	oles:			R	ating:		mA		connecti e at In:	on	ms		sconn ne at		^ا	- ms
	DETAILS OF TEST IN ills of Test Instruments used			or a:	sset i	numb	ers)	:																			
	Multi-functional: 102007843 Insulation r														102	200784	3		Co	ontinuity	y :		10	2007	343		
Earth 6	arth electrode resistance: 102007843 Earth fault loop impeda														102	200784	3		R	CD:			10	2007	343		
Nam	ESTED BY e: Paul Springth	orpe	Р	ositio	n:			[Electricia	n				Signat	ture:							Dat	te:	10	5/09/	'2020	0

	CHEDULE OF CIRCUIT DETAI															_			_							
Distr	ibution board designation: 03-022-	-00-C)45-[DB1			(Do	orman Sn	nith))	Loc	atio	n:				3-022-	00-04	5							
			_			cuit ictors: sa	time S7671	Overcurr	ent pr		/e	RCD	BS7671	(Circuit imp	edance	s (Ohms)		nsulation esistance			nred	RO	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc mm ²	Max disconnect time permitted by BS767	BS(EN)	Type No	▶ Rating	ک Capacity	∃ Operating ➤ current, I∆n	 Maximum Z_S permitted by B[§] 	(measo	inal circuit ured end t rn (Neutral)		All cir (one co be com	lumn to pleted)	- Live - NΔ	ΩM Live - Earth	< Test voltage	♣ Polarity	Maximum measured Θ earth fault loop impedance Zs	B Disconnection time	₹ Test button operation	Test button operation
3 L3	Lights, 006, 007A	Α	Е	6	1.5	1	0.4	60898	В	10	10		3.50				0.89			>999	500	~	1.02			
4 L1	Hand-dryer, 009	Α	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.39			>999	500	~	0.52			
4 L2	Lights - Main Staircase - Ground (043A), 1st Floor (025), 2nd Floor (025)	A	E	7	1.5	1	0.4	60898	В	10	10		3.50				1.06			>999	500	~	1.22			
4 L3	Spare																									
5 L1	Hand-Dryer, 003	Α	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.39			> 999	500	~	0.50			
5 L2	Contactor Control Circuit, 045	Α	В	1	1.5	1	0.4	60898	В	6	10		5.82				0.05			> 999	500	•	0.18			
5 L3	Lights - Staircase -Ground (044A), 1st Floor(024), 2nd Floor (024)	А	E	10	1.5	1	0.4	60898	В	10	10		3.50				0.79			> 999	500	~	0.94			
6 L1	FCU - Comms Room Extract Fan, 044B	А	Е	1	2.5	1.5	0.4	60898	В	10	10		3.50				LIM2						LIM2			
6 L2	Sockets, 045	Α	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.06			>999	500	~	0.18			
6 L3	Spare							61009	В	20	10	30														
7 L1	RFC - Sockets, 010, 012, 014	Α	E	13	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.73	0.73	1.23	0.43			>999	500	~	0.49	17.6	~	
7 L2	Sockets - Washing Machine, Laundry, 008 TESTED ON SEPARATE JOB	A	E	1	4	1.5	0.4	60898	В	20	10		1.75													
7 L3	FCU - BMS Panel In Plant room, 002	A	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75							>999	500	~	0.45			
CODE	A B S FOR Thermoplastic Thermoplastic		The	C	astic		Tho	D rmoplastic		Tho	E mopla	astic		F			G		Н				0 - 01	ther		
TYP	E OF insulated/sheathed cables in	t		cables etallic	in	t	С	ables in llic trunking	r		ables	in		Thermor			mosetting A cables	_	Minera nsulated o				FP2	00		

	ibution board designation:	03-022-00-0							nith)	Loc	catio	n:			0:	3-022-	-00-04	5							
					Circondu	cuit ictors:	time 37671	Overcurr	ent pr		ve	RCD	BS7671		Circuit im	pedance	s (Ohms	5)		nsulation esistance			nred	RO	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²	cuit ictors: sa cpc	Max disconnect of permitted by BS	BS(EN)	Type No	y Rating	₹ Capacity	g Operating ➤ current, l∆n	ω Maximum Z _S permitted by BS	(meas	inal circui ured end r _n (Neutral)	to end)			Ω M	Σ Live - Earth	< Test voltage	♦ Polarity	Maximum measur Β earth fault loop impedance 7s	a Disconnection time	Test button operation	Test button operation
8 L1	RFC - Sockets, Rooms, 015, 019	017, A	E	11	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.86	0.86	1.47	0.50			>999	500	~	0.63	18.0	~	
8 L2	Sockets - Dryer, Laundry, 00 TESTED ON SEPARATE JOB		E	1	6	2.5	0.4	60898	В	32	10		1.10							> 999	500					
8 L3	Socket, 002	А	Е	2	2.5	1.5	0.4	61009	С	16	10	30	1.10							>999	500	~	0.44	18.3	~	
9 L1	RFC - Sockets, Rooms, 020, 016	018, A	Е	18	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.73	0.73	1.31	0.44			>999	500	~	0.46	17.9	v	
9 L2	RFC - Sockets, 008, 046	А	E	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.30	0.30	0.46	0.15			>999	500	•	0.31	14.5	~	
9 L3	RFC - Sockets, 005, 006	Α	E	10	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.38	0.38	0.79	0.39			>999	500	•	0.56	15.4	~	
10 L1	RFC - Sockets, Rooms, 013,	011 A	E	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.43	0.44	0.73	0.44			>999	500	•	0.51	18.1	~	
10 L2	RFC - Sockets, 004A, 021	Α	E	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.35	0.35	1.30	0.44			>999	500	•	0.56	15.6	~	
10 L3	RFC - Sockets, 007A	Α	E	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.40	0.44	0.78	0.88			>999	500	•	0.91	14.0	~	
11 L1	Spare																									
11 L2	Sockets - Kitchen Fridge/Fre 007A	eezer, A	E	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.42			> 999	500	~	0.56			
11 L3	Sockets - Kitchen Fridge/Fre	eezer, A	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.52			>999	500	~	0.64			
12 L1	Spare																									
12 L2	Spare																									
	А	В		С				D						F			G		Н				0 - 0	ther		
	S FOR Thermoplastic The	ermoplastic cables in		ermopl cables				rmoplastic ables in			rmopl ables			Thermo		Ther	mosettin	g	Minera	al			FP2			
		allic conduit		etallic		t		Ilic trunking	r	nonme			ng	/SWA c	ables	/SW	'A cables	ir	nsulated c	ables			1 7 2	.00		

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

	CHEDULE OF CIRCUIT E															0,	2 200	22.04								
Distr	ribution board designation: 0	3-022-00-)45-	DB1			(Do	orman Sn	nith)	Loc	catio				0.	3-022-	-00-04	. 5				I			
					condu	cuit uctors:	time 7671	Overcurr	ent pi		/e	RCD	BS7671	(Circuit imp	edance	s (Ohms	5)		nsulation esistance			nred	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum $Z_{\rm S}$ permitted by BS	(measi	inal circuit: ured end to rn (Neutral)				Ω M Live - Live	M Live - Earth	< Test voltage		Maximum measured B earth fault loop impedance Zs	M Disconnection time	Test button operation	Test button operation
12 L3	Oven, 007A	А	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.53			>999	500	~	0.66			
13 L1	Spare																									
13 L2	Spare																									
13 L3	Oven, 007A	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.42			>999	500	~	0.57			
14 TP	Spare																									
15 TP	Spare																									
16 L1	Spare																									
16 L2	Spare																									
16 L3	Fire Alarm Battery Unit - (045	5) 0	E	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.12			>999	500	•	0.20			
1		D	1		1		1			1							<u></u>						0 0	thor		
TYP	E OF insulated/sheathed ca	B moplastic bles in lic conduit		C nermopl cables netallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermor /SWA c	plastic		G mosettin A cables		H Minera nsulated o				FP2			

S	SCHEDULE OF CIRC	UIT DETAI	LS	AND) TE	ST F	RES	ULT	S																		
Distr	ibution board designation	n: 03-022	-01-0)26A	-DB1	l (DE	3 /F)	(Do	rman Sr	nith))	Loc	catio	n:			03	-022-0)1-02	6A							
						condu	cuit ictors: sa	- N	Overcur	rent pr		/e	RCD	BS7671	(Circuit imp	oedance				nsulation esistance			measured t loop e Zs	RC	:D	AFDD
Circuit number and phase	Circuit designat	ion	Type of wiring	Reference Method	Number of points served	Live mm ²	cpc mm ²	Max disconnect to permitted by BS	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, l∆n	Maximum Z _S permitted by B	(measi	inal circuit ured end t rn (Neutral)	r ₂ (cpc)	All cir (one col be com	lumn to	- Live - Live - MΩ	ΩM Live - Earth	< Test voltage	♦ Polarity	Maximum mea B earth fault look impedance Zs	B Disconnection stime	Test button operation	Test button operation
1 L1	Lights - Rooms, 016, 0)18, 021	Α	Е	10	1.5	1	0.4	60898	В	10	10		3.50				1.58			>999	500	•	1.77			
1 L2	Lights - Rooms, 003, 009, 011, 002	006, 008,	А	Е	8	1.5	1	0.4	60898	В	10	10		3.50				1.44			>999	500	~	1.63			
1 L3	Lights - Corridor, 0050	;	Α	Е	5	1.5	1	0.4	60898	В	10	10		3.50				0.34			>999	500	•	0.57			
2 L1	Lights - Rooms, 017, 0	019, 020,	А	Е	8	1.5	1	0.4	60898	В	10	10		3.50				2.41			>999	500	~	2.60			
2 L2	Lights - Rooms, 001, 0	004, 007,	А	Е	10	1.5	1	0.4	60898	В	10	10		3.50				2.95			>999	500	~	3.05			
2 L3	Lights, 005A, 0055E		А	Е	8	1.5	1	0.4	60898	В	10	10		3.50				0.86			>999	500	~	1.05			
3 L1	Lights, 055D, 022		А	Е	2	1.5	1	0.4	60898	В	10	10		3.50				0.53			>999	500	~	0.72			
	A	В			С				D			Ε			F			G		Н				O - Ot	her		
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	Thermoplastic cables in metallic condui			ermopl cables etallic	in	t	С	rmoplastic ables in Ilic trunking	r		rmopl ables tallic	in		Thermor			mosettino /A cables	-	Minera insulated o				FP-2	00		
	SOARD CHARACTER		INICO	TED	TO T		NDI C	NINI C		NCT/		TLO	N.I.														
	LIES WHEN THE BOAR \prime to this distribution board								h) - 3 TP		of ph			3					Con	firmatio	n of sup	ply po	olarit	:y:			/
	urrent protective device distribution circuit:	BS(EN):		609	947-2	2 - Ty	ype	N/A		Rat	ing:			80		lominal 'oltage:	40	0 v	Zs:		0.1	19 Ω	lp:	f:		2.4	l6 kA
RCD	distribution circuit.	BS(EN):								No	of po	oles:				ating:		mA		onnecti	on	ms		sconn ne at		n	- ms
	DETAILS OF TEST I			/an =	+																						
	ills of Test Instruments us unctional:		20078		sset	numi			tion resis	tance	ə:				102	200784	13		C	ontinuity	y :		10	20078	343		
Earth e	electrode resistance:	102	20078	343			Е	arth	fault loop	imp	edan	ce:			102	200784	13			CD:			10	20078	343		
	ESTED BY																										
Nam	e: Liam Fi	rth	F	Positio	on:			E	Electricia	n				Signat	ure:							Dat	e:	16	5/09/	2020)

S	SCHEDULE OF CIRCUIT DETAI	LS /	ANE) TE	ST I	RES	ULT	S																		
Distr	ibution board designation: 03-022	-01-0)26A	-DB1	l (DE	3 /F)	(Do	rman Sn	nith))	Loc	catio	n:			03	-022-0	01-026	δA							
			_		Cir condu	cuit ictors: sa	time S7671	Overcurr	ent pr		/e	RCD	BS7671		Circuit im	pedance				nsulation esistance			sured	RC	:D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²	cuit ectors: sa cpc	Max disconnect permitted by B	BS(EN)	Type No	> Rating	₹ Capacity	3 Operating ➤ current, IΔn	Maximum Z _S permitted by B	(meas	inal circui ured end r _n (Neutral)	to end)			Ω M	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop impedance 7s	M Disconnection time	Test button operation	Test button operation
3 L2	Lights - External	Α	Е	LIM	1.5	1	0.4	60898	В	10	10		3.50				LIM						LIM			
3 L3	Lights, 014	Α	Е	13	1.5	1	0.4	61009	В	10	10	30	3.50				0.03			>999	500	•	0.21	18.1	~	
4 L1	Spare																									
4 L2	Spare																									
4 L3	Lights, 013	Α	E	6	1.5	1	0.4	60898	В	10	10		3.50				0.12			>999	500	•	0.21			
5 L1	Spare																									
5 L2	Spare																									
5 L3	Contactor Control Circuit, 026A	Α	Е	1	1.5	1	0.4	60898	В	10	10		3.50				0.05			>999	500	•	0.39			
6 L1	Spare																									
6 L2	Spare																									
6 L3	FCU - Handryer, 014	Α	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.10			>999	500	~	0.31			
7 L1	RFC - Sockets, Rooms, 016, 018, 021	А	E	26	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.75	0.75	1.21	0.60			>999	500	~	0.48	17.9	•	
7 L2	RFC - Sockets, Rooms, 008, 009, 011	A	Е	28	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.83	0.83	1.40	0.51			>999	500	~	0.64	17.6	~	
7 L3	RFC - Sockets, Corridor, 005A, 005E	А	Е	14	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.55	0.55	0.92	0.54			>999	500	~	0.51	17.9	•	
8 L1	RFC - Sockets, Rooms, 020, 022, 023	А	Е	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.70	0.84	1.15	0.43			>999	500	~	0.53	18.1	•	
	A B			С				D			E			F			G		Н				0 - 0	ther		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in			ermopla cables	in		С	rmoplastic ables in Ilic trunking			rmopl ables	in		Thermo /SWA c	plastic		mosettin A cables		Minera				FP-2			
VVIF	RING cables metallic conduit	t	HILIOIT	etallic	Lonuul	l	песа	inc truriking		ынне	anic t	i urikli	ig													

S	CHEDULE OF CIRCUIT DETAI																									
Distr	ibution board designation: 03-022-	01-0)26A	-DB			(Do	rman Sn	nith))	Loc	catio	า:			03	-022-0	01-02	6A							
					condu	cuit ictors: sa	time S7671	Overcurr	ent pi levice:		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms	5)		nsulation esistance			nred	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live		Max disconnect time permitted by BS767	BS(EN)	Type No	> Rating	y Capacity	g Operating ➤ current, I∆n	Β Maximum Z _S permitted by B ^S	(measu	nal circui ured end rn (Neutral)	r ₂	(one co	rcuits dumn to pleted)	- Live ΩM	ΩM Live - Earth	< Test voltage	♠ Polarity	Maximum measured Β earth fault loop impedance Zs	B Disconnection time	Test button operation	Test button operation
8 L2	RFC - Sockets, Rooms, 002, 003, 006	Α	E	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.79	0.81	1.29	0.48			>999	500	~	0.60	18.2	•	
8 L3	RFC - Sockets, 005C, 005D	Α	E	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.32	0.32	0.55	0.20			>999	500	•	0.32	18.3	~	
9 L1	RFC - Sockets, Rooms, 017, 019	Α	E	22	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.56	0.56	0.92	0.35			>999	500	•	0.37	18.1	•	
9 L2	RFC - Sockets, Rooms, 001, 004	Α	E	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.67	0.67	1.12	0.41			>999	500	•	0.52	18.1	~	
9 L3	RFC - Sockets , 013	Α	E	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.31	0.30	0.82	0.28			>999	500	•	0.34	13.2	•	
10 L1	Spare																									
10 L2	RFC - Sockets, Rooms, 007, 010, 012	Α	E	22	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.84	0.84	1.34	0.48			>999	500	•	0.54	27.9	·	
10 L3	Sockets - Kitchen fridge/freezer, 013	Α	Е	4	2.5	1.5	0.4	60898	В	20	10		1.75				0.20			>999	500	~	0.42			
11 L1	Spare																									
11 L2	Spare																									
11 L3	Oven Supply, 013	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.10			>999	500	•	0.33			
12 L1	Spare																									
12 L2	Spare																									
12 L3	Oven Supply, 013	Α	E	1	4	1.5	0.4	60898	В	20	10		1.75				0.10			>999	500	•	0.33			
13 L1	Spare																									
13 L2	Spare																									
CODE TYP WIR				C ermopl cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermop /SWA ca			G mosettin 'A cables	9	H Minera nsulated o				0 - 01 FP-2			

	CHEDULE OF CIRCUIT DETAI								- ! 4 - '							02	022	01.00	/ A							
Distr	ibution board designation: 03-022	-01-0)26A	-DB				rman Sn				catio					-022-	01-026								
					condu	ictors:	time S7671	Overcurr	ent p		/e	RCD	BS7671	(Circuit imp	oedance				nsulation esistance			sured	RO	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Circ condu cs Live	cpc	Max disconnect permitted by B	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	 Maximum Z_S permitted by B 	(measi	inal circui ured end rn (Neutral)	r ₂	(one co	rcuits plumn to appleted)	Ω Live - Live	Ω Union - Earth	< Test voltage		Maximum measured σ earth fault loop impedance Zs	B Disconnection at time	Test button operation	Test button operation
13 L3	Socket - Kitchen Fridge Freezer, 013	А	Е		2.5			60898	В	16			2.18				0.09			>999	500	~	0.31			
14 L1	Spare																									
14 L2	Spare																									
14 L3	Socket - Kitchen Fridge Freezer, 013	А	Е	2	2.5	1.5	0.4	60898	В	16	10		2.18				0.12			>999	500	~	0.34			
15 TP	Spare																									
16 L1	Spare																									
16 L2	Spare																									
16 L3	FCU - Fire alarm Charging Unit, 026A	0	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18					0.02				~	0.20			
	A B			С				D			E			F			G		Н				0 - 0	ther		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic conduit			ermopl cables etallic		t	С	rmoplastic ables in Ilic trunking	ı		rmopl ables tallic t	in		Thermor			mosettin /A cables	-	Minera nsulated o				FP-2	200		

9	SCHEDULE OF CIRC	CUIT DETAI	LS A	<u>ane</u>) TE	ST	RES	ULT	S																		
Dist	ribution board designation	n: 03-022-0	02-0	05C-	DB1	(DB	D/S	s) (D	orman S	mith	1)	Lo	catic	n:			03	-022-0	02-00	5C							
				_			cuit ictors:		Overcur	rent pr		/e	RCD	BS7671	(Circuit imp	oedance				nsulation esistance			sured		CD	AFDD
Circuit number and phase	Circuit designat	ion	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnec permitted by B	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by B		inal circuit ured end t rn (Neutral)	r ₂				Ω Ω	< Test voltage	✔ Polarity	Maximum meast Β earth fault loop impedance Zs	g Disconnection at time	Test button operation	Test button operation
1 L1	Lighting, Rooms, 016, 022	018, 021,	А	В	7	1.5	1	0.4	60898	В	10	10		3.50				0.99			>999	500	•	1.20			
1 L2	Lighting, Corridor, 005	δA	Α	В	10	1.5	1	0.4	60898	В	10	10		3.50				0.79			>999	500	~	0.98			
1 L3	Lighting, Rooms, 002, 008, 009, 011	003, 006,	А	В	11	1.5	1	0.4	60898	В	10	10		3.50				0.56			>999	500	•	0.77			
2 L1	Lighting, Rooms, 001 010, 012	, 004, 007,	А	В	8	1.5	1	0.4	60898	В	10	10		3.50				2.26			>999	500	•	2.51			
2 L2	Lighting, Corridor, 005	δA	Α	В	10	1.5	1	0.4	60898	В	10	10		3.50				1.15			>999	500	~	1.33			
2 L3	Lighting, Rooms, 017, 023	019, 020,	А	В	10	1.5	1	0.4	60898	В	10	10		3.50				0.51			>999	500	•	0.69			
TYF	S FOR Thermoplastic E OF insulated/sheathed R NG cables	B Thermoplastic cables in metallic conduit	t		C ermopl cables etallic		t	С	D rmoplastic ables in Ilic trunking	r		ables			F Thermor /SWA c			G mosettin /A cables	_	H Minera insulated (o - ot FP-2			
APF	BOARD CHARACTER LIES WHEN THE BOAR If to this distribution board	D IS NOT CON							DF THE I		ALLA of ph			1					Con	firmatio	n of sup	oply p	olari	ty:			~
	urrent protective device e distribution circuit:	BS(EN): BS(EN):		609	947-2	2 - T <u>y</u> 	ype I	N/A			ing: of po	oles:		80	A v	lominal 'oltage: 'ating:		0 V mA		connecti		28 Ω - ms	Di	isconn		n	42 k <i>A</i> ms
	DETAILS OF TEST I	NSTRUMEN																	<u>time</u>	e at In:			Tir	me at	oin:		
	ills of Test Instruments us unctional:		al and 10078		sset	numk			tion resis	stance	٥.				10	200784	13		C	ontinuit	٧.		10	20078	843		
	electrode resistance:		0078						fault loop			ce:				200784				CD:	y .			20078			
	ESTED BY	.02							'																		
Nam		thorpe	F	Positi	on:			Е	Electricia	n				Signat	ture:							Da	te:	10	6/09/	/2020	0
				, ,	DO 7	.74	0010											D-6 ((740								- 6 0 1

	ibution board designation: 03	-022-02-0							mith	1)	Loc	catio	n:			03	-022-0	02-005	5C							
					Circondu	cuit ictors:	time 7671	Overcurr	ent pr		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms)		nsulation esistance			nred	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Circondu condu condu	cpc	Max disconnect permitted by BS	BS(EN)	Type No	> Rating	y Capacity	3 Operating ➤ current, I∆n	Maximum Z _S		inal circui ured end r _n (Neutral)	to end)	All cir (one co be com		- Live Ω	ω Live - Earth	< Test voltage	◆ Polarity	Maximum measured S earth fault loop impedance Zs	Disconnection stime	Test button operation	Test button operation
3 L1	Lighting, Roof void	А	В		1.5	1	0.4	60898	В	10	10		3.50				LIM5						LIM5	5		
3 L2	Lighting, 014	А	В	11	1.5	1	0.4	61009	В	10	10	30	3.50				0.06			>999	500	•	0.26	18.1	~	
3 L3	Lighting, Roof void	А	В		1.5	1	0.4	60898	В	10	10		3.50				LIM5						LIM5			
4 L1	Spare																									
4 L2	Lighting, 013	А	В	6	1.5	1	0.4	60898	В	10	10		3.50				0.45			>999	500	~	0.63			
4 L3	Spare																									
5 L1	Spare																									
5 L2	Contactor Control Circuit, 005	СА	В	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.09			>999	500	~	0.29			
5 L3	Spare																									
6 L1	Spare																									
6 L2	FCU - Extract fans, 005C	А	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.03			>999	500	~	0.21			
6 L3	Spare																									
7 L1	RFC - Sockets, Rooms, 016, 0 021	18, A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.72	0.72	1.18	0.43			>999	500	•	0.47	18.0	•	
7 L2	RFC - Sockets, Rooms, 005A,	002 A	В	13	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.60	0.60	1.03	0.38			>999	500	~	0.51	17.9	~	
7 L3	RFC - Sockets, Rooms, 008, 0	09, A	В	18	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.79	0.79	1.33	0.53			>999	500	~	0.49	18.1	~	
8 L1	RFC - Sockets, Rooms, 020, 0 023	22, A	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.68	0.68	1.96	0.53			>999	500	~	0.83	17.9	~	
CODE		B oplastic	Th	C ermopl	astic		Tho	D rmoplastic		The	E mopl	astic		F			G		Н				0 - 0	ther		
TYP	E OF insulated/sheathed cab	les in conduit		cables etallic	in	t	С	ables in llic trunking	r		ables	in		Thermor			mosetting A cables	-	Minera nsulated c				FP-2	200		

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

	CHEDULE OF CIRCUIT DETAIl ibution board designation: 03-022-0								mith	1)	Loc	catio	n:			03	-022-0	02-00	5C							
					condu	cuit ictors:	time S7671	Overcurr	ent pi		/e	RCD	BS7671	(Circuit imp	oedance	s (Ohms)		nsulation esistance			measured loop Zs	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live		Max disconnect ti permitted by BS7	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	 Maximum Z_S permitted by B[§] 	(measu	rn (Neutral)	r ₂	(one co	rcuits lumn to pleted)	Ω Live - Live	ΩM Live - Earth	< Test voltage	♦ Polarity	Maximum meas B earth fault loop impedance Zs	B Disconnection time	Test button operation	Test button operation
8 L2	RFC - Sockets, 005B	Α	В	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.31	0.34	0.53	0.18			>999	500	~	0.49	17.8	~	
8 L3	RFC - Sockets, Rooms, 003, 006	Α	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.66	1.18	0.40			>999	500	~	0.54	18.1	~	
9 L1	RFC - Sockets, Rooms, 017, 019	Α	В	12	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.52	0.50	1.67	0.50			>999	500	~	0.61	18.1	~	
9 L2	RFC - Sockets, 013	Α	В	12	4	1.5	0.4	61009	В	32	10	30	1.10	0.37	0.37	0.72	0.52			>999	500	~	0.36	14.2	~	
9 L3	RFC - Sockets, Rooms, 001, 004, 007	Α	В	16	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.69	1.12	0.40			>999	500	~	0.50	18.2	~	
10 L1	Spare																									
10 L2	Sockets - Kitchen fridge/freezer, 013	Α	В	2	2.5	1.5	0.4	60898	С	20	10		0.87				0.15			>999	500	~				
10 L3	RFC - Sockets, Rooms, 007, 010, 012	Α	В	18	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.76	0.75	1.26	0.47			>999	500	~	0.49	17.7	~	
11 L1	Spare																									
11 L2	Sockets, 013	Α	В	1	2.5	1.5	0.4	61009	В	20	10	30	1.75				0.17			>999	500	~	0.35	8.12	~	
11 L3	Spare																									
12 L1	Spare																									
12 L2	FCU - Oven LHS, 013	Α	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.06			>999	500	~	0.25			
12 L3	Spare																									
13 L1	Spare																									
13 L2	FCU - Oven RHS, 013	Α	В	1	4	1.5	0.4	60898	В	16	10		2.18				0.26			>999	500	~	0.44			
TYP	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in I NG cables metallic conduit			C ermopl cables etallic		t	С	D rmoplastic ables in llic trunking	r		E rmopl ables tallic t	in		F Thermop /SWA ca			G mosettin A cables	9	H Minera nsulated o				0 - 0 FP-2			

	CHEDULE OF CIRCUIT DETAI								:41-							02	000	22 001	-0							
Distr	ribution board designation: 03-022-0)2-00	JSC-	DBJ) (D	orman Sr	nith	1)	Loc	catio				03	-022-	02-00	oC							
					condu	cuit ictors:	time 7671	Overcurr	ent pr		/e	RCD	BS7671	(Circuit imp	edance	s (Ohms	s)		sulation sistance			nred	RC	D A	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	중 Capacity	g Operating ➤ current, I∆n	Maximum Z _S bermitted by BS	(measi	nal circuits ured end to rn (Neutral)	o end)	(one co	rcuits dumn to apleted)	ΩM Live - Live	Σ Live - Earth	< Test voltage		Maximum measured B earth fault loop impedance Zs	a Disconnection time	Test button operation	Test button operation
	Spare																									
14 L1	Spare																									
14 L2	Sockets - Kitchen fridge/freezer, 013	Α	В	2	4	1.5	0.4	60898	В	16	10		2.18				0.19			>999	500	~	0.37			
14 L3	Spare																									
15 TP	Spare																									
16 L1	Spare																									
16 L2	FCU - Handryer, 014	Α	С	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.22			>999	500	~	0.40			
16 L3	FCU - Sounder Control Unit, 005C	О	С	1	4	1.5	0.4	60898	В	16	10		2.18					0.03		>999	500	~	0.22			
	A B S FOR Thermoplastic Thermoplastic			C ermopla				D rmoplastic			E rmopla			F Thermor	plastic	Ther	G mosettin	a	H Minera	ı			0 - Ot			
	E OF insulated/sheathed cables in RING cables metallic conduit	i		cables i etallic		t		ables in Illic trunking	r	ca nonmet	ables i tallic t			/SWA c			'A cables		nsulated c				FP-2	:00		

	SCHEDULE OF CIRCUIT DETA								on 3	3)	Lo	catio	n·		03	-022	-00-02	9 Tu	tors Fla	t						
Distr	Sound designation. 90 022				Cir	cuit ictors:		Overcur		otectiv		RCD	_	(Circuit imp				II	nsulation esistance			nred	RC	:D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by BS	(measi	nal circui ured end rn (Neutral)	r ₂	All cir (one co be com	lumn to		Ω M	< Test voltage	√ Polarity	Maximum measured B earth fault loop impedance Zs	B Disconnection time	Test button operation	Test button operation
1 L2	Lights, Rooms, 028, 027, 026, 025	А	В	7	1.5	1	0.4	60898	В	10	10		3.50				0.56			>999	500	~	0.70			
2 L2	Lights, 030, 047, 048, 029	А	В	6	1.5	1	0.4	60898	В	10	10		3.50				0.35			>999	500	~	0.43			
3 L2	Lights, 023, 024	А	В	4	1.5	1	0.4	61009	В	10	10	30	3.50				0.21			>999	500	~	0.38	18.1	~	
4 L2	Boiler, 048	А	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.36			>999	500	~	0.47			
5 L2	RFC Sockets, 025, 026, 027	Α	В	10	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.66	0.95	0.19			>999	500	~	0.31	14.4	~	
6 L2	RFC - Sockets, 027, 028, 022A	Α	В	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.65	0.83	1.28	1.42			>999	500	~	0.50	14.3	~	
7 L2	RFC - Sockets, 030, 047	Α	В	5	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.26	0.26	0.34	0.15			>999	500	~	0.27	15.1	~	
8 L2	Socket, 030	Α	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.31			>999	500	~	0.44			
9 L2	Cooker, 030	Α	В	1	10	4	0.4	61009	В	32	10	30	1.10				0.19			>999	500	~	0.25	18.1	~	
										'	'															
TYP	S FOR Thermoplastic Thermoplast FOF insulated/sheathed cables in RING cables metallic cond			C ermop cables etallic		t	С	D rmoplastic ables in llic trunking	r		ables			F Thermor /SWA c			G mosetting 'A cables	9	H Minera insulated o				o - o			
	BOARD CHARACTERISTICS PLIES WHEN THE BOARD IS NOT CO	NNEC	TED	то т	HE C)RI G	iIN C	OF THE I	NSTA	ALLA	TIO	N														
'' '	, to the distribution bear a le norm	03-022-0	00-002	-MP1 (MP1) (Dorm	n Smit	:h) - 7 L2	No	of ph	nase	es:	1	N	ominal			Con	nfirmatio	·		olari	ty:			'
	urrent protective device BS(EN):		609	947-2	2 - T <u>y</u>	ype	N/A		Rat	ing:			100	Λ	oltage:	23	0 v	Zs:	connecti		17 Ω	lp		octio		37 kA
RCD	BS(EN):								No	of po	oles:			R	ating:		mA		e at In:		- ms		sconn ne at		<u> </u>	- ms
	DETAILS OF TEST INSTRUME ails of Test Instruments used (state ser		d/or a	sset	numl	ers)	:																			
		20078						tion resis	stance	∋:				102	200784	13		С	ontinuity	y :		10	2007	843		
Earth 6	electrode resistance: 10	20078	343			Е	arth	fault loop	imp	edan	ce:			102	200784	13		R	CD:			10	2007	843		
	ESTED BY								_				01											0./00	/202	0
Nam	ne: Liam Firth		Positi		/74 /	2010	t	Electricia	n				Signat	ture:			Daf: 60	710			Dat	te:	- 18	8/09/		0f 31

	CHEDULE OF CIRCUIT DETAI ibution board designation: 03-022-								on 3	3)	Loc	catio	n:		03-0	22-0	0-02	9 Tuto	ors Fla	t					
			70		Cir condu	cuit ictors:	t time S7671	Overcurr d	ent pi		/e	RCD	BS7671		Circuit impeda					nsulation esistance			sured	RC	D AFDI
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²	cuit uctors: sa cpc	Max disconnect of permitted by B	BS(EN)	Type No	> Rating	₹ Capacity	3 Operating ➤ current, I∆n	ω Maximum Z _S permitted by B			end) (c		cuits umn to pleted)	Ω M Live - Live	$\overline{\Omega}$ Live - Earth	< Test voltage	♣ Polarity	Maximum meas B earth fault loop	Disconnection with time	Test button operation coperation
10 L2	Spare																								
11 L2	Spare																								
12 L2	Spare																								
13 L2	Sub Mains (DB T1/A) 001A (Supply to 03-022-00-001A-DB1 (DB T1/A) (Eaton 3))	G	E	1	6	23	5	60898	В	32	10		1.10			0).15			>999	500	•	0.26	0.26	
CODE TYPI WIR	E OF insulated/sheathed cables in	t	(C ermopla cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic	in		Thermo /SWA o		G Thermo /SWA α	setting		H Minera nsulated o				0 - C		

S	CHEDULE OF CIRC	CUIT DETAIL	_S A	ND	TES	ST RE	SU	LTS																			
Distr	ibution board designation	n: 03-022-	00-0	001	A-DE	31 (D	3 T1	/A) (Eat	on 3)	Loc	catio	n:	(03-022	-00-0	01A 7	Tutors	Flat G	arage							
				_	(Circuit conducto csa	rs: E	Overcu	rrent p device		ve	RCD	BS7671	(Circuit imp	oedance				nsulation esistance			measured loop Zs	RC	D	AFDD	
Circuit number and phase	Circuit designat	ion	Type of wiring	Reference Method	Number of points served	Live c	S: Sa disconnect time	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by B		inal circuit ured end t rn		All cir (one co be com	lumn to	Live - Live	Live - Earth	Test voltage	Polarity	Maximum meas earth fault loop impedance Zs	Disconnection time	Test button operation	Test button operation	
						mm ² m	m ²	6		А	kA	mA	Ω	(Line)	(Neutral)	(cpc)			MΩ	ΜΩ	V	V	Ω	ms	~	~	
1 L2	Lights, 001A		0	С	2	1.5	1 0	.4 60898	В	10	10		3.50				0.09			>999	500		0.35				
2 L2	Sockets, 001A, (RCD Soutlets)	Socket	0	С	1	2.5 1	.5 0	.4 61009	В	20	10	30	1.75				0.10			>999	500	•	0.36	17.7	•		
3 L2	Spare						-																				
4 L2	Spare						-																				
5 L2	Spare																										
6 L2	Spare																										
7 L2	Spare						-																				
CODE	A S FOR Thermoplastic	B Thermoplastic		Tho	C D Thermoplastic Thermoplasti					E Thermonlecti				F		G		Н					0 - 01				
TYP	E OF insulated/sheathed	cables in metallic conduit	r	С	ables ir	n		hermoplastic cables in etallic trunking	cables in			in					mosetting A cables	-	Minera insulated o				N/	A			
APP	SOARD CHARACTER LIES WHEN THE BOAR to this distribution board	D IS NOT CONI						I OF THE I					1					Confirmatio		ation of sup		olarit	:y:			·	
	urrent protective device distribution circuit:	BS(EN):		6	0898	- Тур	е В		Ra	ting:			32	Λ	lominal 'oltage:	23	0 v	Zs:		0.2	26 Ω	lpt	f:		0.8	34 kA	
RCD	alstribution direction.							No	of po	oles:				ating:		mA		onnecti	on	- ms		sconn ne at		٦	- ms		
DETAILS OF TEST INSTRUMENTS																		- 211110	<u> </u>			- 11					
Details of Test Instruments used (state serial and/or asset numbers): Multi-functional: 102007843 Insulation										e:				102	200784	13		Co	ontinuity	v :		10	2007	343			
	Earth electrode resistance: 102007843 Earth f									ault loop impedance:					102007843			RCD:				102007843					
	TESTED BY									The property of																	
Nam	e: Liam Fi	n:			Electricia	an				Signature: Date:							09/09/2020										

S	SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Distribution board designation: 03-022-00-033-DB1 (DB CT2) (Eaton 3) Location: 03-022-00-033 Family Flat Circuit Conductors: E Overcurrent protective RCD Circuit Impedances (Ohms) RCD AFDD RCD AFDD																										
Distr	ibution board designation:	03-022	2-00	0-03	3-D	B1 (DB	CT2) (Eator	า 3)		Loc	catio	n:		03	-022	00-03	3 Far	nily Fla	t						
				-		condu		t time S7671		rent pr devices		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			measured t loop e Zs	RC	D	AFDD
Circuit number and phase	Circuit designation		Type of wiring	Reference Method	Number of points served	Live mm ²	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	➤ Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by B	(measu	rnal circuit red end the rnal (Neutral)		All cir (one co be com	lumn to	- Live - Live	R Live - Earth	< Test voltage	♣ Polarity	Maximum mea:	B Disconnection time	Test button operation	Test button operation
1 L3	Lights, 038, 033, 035, 03	2, 037	Α	В	6	1.5	1	0.4	60898	В	10	10		3.50				1.10			>999	500	•	1.35			
2 L3	Bathroom Lighting, 036		Α	В	2	1.5	1	0.4	61009	В	10	10	30	3.50				0.10			>999	500	~	0.28	18.3	~	
3 L3	Spare																										
4 L3	RFC Sockets, 035, 038, 0	038, 033 A B 8 2.5 1.5 0.4 610									32	10	30	1.10	0.73	0.73	1.22	0.48			>999	500	•	0.45	14.8	~	
5 L3	RFC, Sockets, 037		0.4	61009	В	32	10	30	1.10	0.12	0.12	0.23	0.07			>999	500	~	0.28	18.4	~						
6 L3	Fused Spur and Socket, 0)49	0.4	61009	В	10	10	30	3.50				0.14			>999	500	~	0.34	8.29	•						
7 L3	Cooker, 037		Α	В	1	10	4	0.4	60898	В	20	10		1.75				0.25			>999	500	~	0.47			
8 L3	spare																										
9 L3	Spare																										
CODE TYPI WIR		B Thermoplastic cables in metallic conduit			C ermopl cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	cables in			in					G mosetting A cables	·	H Minera insulated o			O - O1				
B	OARD CHARACTERIS	STICS																									
<u>r</u>	LIES WHEN THE BOARD IS to this distribution board is								OF THE I I th) - 7 L3		ALLA of ph			1					Con	firmatio	n of sup	ply p	olarit	y:			/
	irrent protective device	BS(EN):		609	47-2	? - T	ype I	N/A		Rat	ing:			100		ominal oltage:	23	0 v	Zs:		0.1	15 Ω	lpi	f:		1.3	38 ka
RCD	or the distribution circuit:									No	of po	oles:				ating:		mA		onnecti	on	· ms		sconn ne at		۱	- ms
_	ETAILS OF TEST INS	ora)																									
	Details of Test Instruments used (state serial and/or asset numbers): Multi-functional: 102007843 Insulation resistan														102	200784	3		C	ontinuity	y :		10	2007	843		
Earth electrode resistance: 102007843									fault loop	impe	edan	ce:			102	200784	3		R	CD:			102007843				
	ESTED BY																										
Nam	Name: Paul Springthorpe Position: Electrician													Signat	ture:			20f: 60				Dat	te:	0	1/10/		Of 31

	SCHEDULE OF CIRCUIT ibution board designation:	T DETAILS AND TEST RESULTS 03-022-00-033-DB1 (DB CT2) (Eaton 3) Location: 03-022-00-033 Family Flat																										
								Overcurr				RCD	BS7671		Circuit impedar			Ir	nsulation esistance			nred	RC	DD AFDD				
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²	cuit ictors: sa cpc mm ²	Max disconnect permitted by BS	BS(EN)	Type No	y Rating	₹ Capacity	3 Operating ➤ current, I∆n	ω Maximum Z _S permitted by BS		rn r2	(one c be cor	ircuits olumn to mpleted)	Ω M Live - Live	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured S earth fault loop impedance 7s	B Disconnection at time	Test button operationTest buttonoperation				
10 L3	Spare																											
11 L3	Spare																											
12 L3	Spare																											
13 L3	Spare																											
		B nermoplastic		C				D rmoplastic ables in			E rmopl			F	plastic Th	G Stic Thermosetting			H Mineral		O - Other							
	E OF insulated/sheathed RING cables me	cables in etallic conduit	ables in cables in						r						/SWA cables /SWA cables				insulated cables				N/A					

5	Distribution board designation: 03-022-00-034-DB1 (DB CT3) (Eaton 3) Location: 03-022-00-034 Family Flat																										
Disti	ribution board designation:	03-022	2-00	0-03	4-D	B1 (DB (CT3) (Eator	າ 3)		Loc	catio	n:		03	3-022-	00-03	4 Far	nily Fla	t						
							cuit ictors:	: time S7671	Overcuri	rent pr		/e	RCD	BS7671	(Circuit im	pedance				nsulation esistance			sured	RC	D	AFDD
Circuit number and phase	Circuit designation		Type of wiring	Reference Method	Number of points served	Live		Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by B	(measi	inal circui ured end rn (Neutral)	to end)	(one co	rcuits lumn to pleted)	Ω Live - Live	M Live - Earth	< Test voltage	♠ Polarity	Maximum meass B earth fault loop impedance Zs	Disconnection stime	Test button operation	Test button operation
1	Cooker, 040		Α	В	1	10	4	0.4	60898	В	32	10		1.10				0.26			>999	500	~	0.43			
2	RFC, Sockets, 040		Α	В	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.17	0.18	0.28	0.11			>999	500	~	0.26	15.9	~	
3	RFC, Sockets, 042, 039,	034	Α	В	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.57	0.57	0.96	0.38			>999	500	~	0.54	14.3	~	
4	Fused Spur and Socket,	050	Α	В	2	2.5	1.5	0.4	61009	В	16	10	30	2.18				0.09			>999	500	~	0.29	9.18	~	
5	Bathroom, Lights, 041		Α	В	2	1.5	1	0.4	61009	В	10	10	30	3.50				0.20			>999	500	~	0.34	18.3	~	
6	Lights, 039, 040, 042, 0	34	Α	В	3	1.5	1	0.4	60898	В	10	10		3.50				0.36			>999	500	~	0.54			
7	Spare																										
8	Spare																										
9	Spare																										
TYP	A Thermoplastic insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		(C ermopli cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic	in		F Thermop /SWA c			G mosettin A cables	_	H Minera insulated o				0 - 0t N/			
APP Supply	BOARD CHARACTERI PLIES WHEN THE BOARD y to this distribution board is	IS NOT CONN							OF THE II th) - 8 L1		ALLA of ph			1					Con	firmatio	n of sup	upply polar		t y :			'
Overcurrent protective device for the distribution circuit: RCD BS(EN): 60947-2 - Type								N/A			ing: of po	oles:		100	voitage:		230 V		Zs:			17 Ω ms	Di	lpf: Disconnection		n	54 k m
DETAILS OF TEST INSTRUMENTS											<u>'</u>								time	at In:			tir	me at	<u>5ln:</u>		
Details of Test Instruments used (state serial and/or asset numbers): Multi-functional: 102007843 Insulation resist											٥٠				101	200784	43		C	ontinuity	<i>i</i> .		10	2007	843		
									fault loop			ce:			102007843				Continuity:			102007843					
TESTED BY																											
Name: Liam Firth Position: Electrician												Signat	ure:							Dat	te:	0	1/10/	/2020	0		
T	Name: Liam Firth Position: Electrician) o f . / (740								- 6 0	

S	CHEDULE OF CIRCUIT	DETAILS	ULT	S																							
Distr	ibution board designation:	03-022-0	0-03	4-DI	B1 (DB (CT3)) (Eaton	3)		Loc	catio	n:		03	-022	-00-03	84 Fan	nily Flat	t							
					condu	cuit ictors:	time S7671	Overcurr	ent pi levice:		/e	RCD	BS7671		Circuit imp	edance	s (Ohms	5)		nsulation esistance			sured	RO	CD A	FDD	
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n		Ring f (meas	inal circuit ured end t rn (Neutral)	r ₂ (cpc)			Ω Live - Live	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop	B Disconnection at time	Test button operation	operation	
10	Spare																										
11	Spare																										
12	Spare																										
13	Spare																										
																										_	
																										\dashv	
																										\dashv	
																										\dashv	
																										\dashv	
																										\exists	
																								-		=	
																										\dashv	
								<u> </u>																			
TYP	E OF insulated/sheathed	cables in cables in					C	D rmoplastic ables in Ilic trunking	r					F G Thermoplastic Thermosetting /SWA cables /SWA cables								O - Other N/A					

Limitations

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Insulation Resistance Tests have been carried out as far as reasonably possible (linked line & neutral to earth tests were undertaken on circuits where it was not feasible to disconnect vast amounts of equipment as agreed with Nigel Harrison - Estates) and a minimum of 20% of termination points on each individual circuit, and on lighting circuits a minimum of two luminaries and two switches have been inspected. Reference methods were inspected as far as reasonably practicable. Cable sizes and lengths were estimated and could not be absolutely confirmed. No designated power circuit supplies for IT equipment, server comms, fire alarms and CCTV were interrupted (unless isolated at the time of test by the client. Characteristics of primary supply overcurrent device not inspected, the earthing system has not been verified and details regarding this within page 3 are via enquiry to the previous report. The maximum demand has not been calculated. No external earth loop impedance (Ze) has been measured; no full isolation of site possible. The numbers of points served has been investigated as far as is reasonably practicable. Please refer to previous inspection reports for additional information, these are held on site by estates (110041636).

LIM1. Unable to locate circuit destination

LIM2. No access to room or area due to it being locked or forbidden

LIM4. No access to equipment due to it being blocked

LIM5. No access to equipment due to it having unremovable covers

LIM6. Unable to isolate following instruction by member of staff on / off site

03-022-01-026A-DB1 (Dorman Smith) 3L2 - Lights, external - LIM4

03-022-02-005C-DB1 (DB D/S) (Dorman Smith) 3L1-3L2, Lighting, LIM2

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CONTINUATION FOR GENERAL COMMENTS

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Approximate Sub mains Lengths (To listed distribution boards) -

 03-022-00-024-DB1
 20 Meters

 03-022-01-026A-DB1
 20 Meters

 03-022-02-005C-DB1
 25 Meters

 03-022-00-045-DB1
 25 Meters

 03-022-00-001A-DB1
 20 Meters

 03-022-00-033-DB1
 20 Meters

 03-022-00-034-DB1
 20 Meters

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ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

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

- 1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.
- 2. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 3. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
- 4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. For safety reasons it is important that this instruction is followed.
- 5. Section 4 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
- 6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section 4.
- 7. For items classified in Section 7 as C1 ('Danger present'), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
- 8. For items classified in Section 7 as C2 ('Potentially dangerous'), the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
- 9. Where it has been stated in Section 7 that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 6).

 10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a
- 10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section 6 of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.