

ELECTRICAL INSTALLATION CONDITION

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations 69727 Report Reference:

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: 14/09/2020

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

~University of Warwick - 03.021 Emscote Residential, Estates Office, Porta Cabin, R/O Boiler Installation Address:

House,, Lord Bhattacharyya Way,, Coventry

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

Evidence of additions/ 10 years Estimated age of wiring system: alterations:

Nο 15/07/2015 Date of last inspection:

No

if yes, estimated age:

N/A years

Installation records available? (Regulation 651.1) 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:

Constituted institution including the transmission and excorregarging scheduline have been carried and in accordance with \$65 has been been carried and in accordance with \$65 has 200 kg (17 Weeps) Begustatering an americal to 2001.

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" An unsatisfactory assessment inc conditions have been identified.

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

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

the installation is further inspected and tested by:

5 Years

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.

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 following observations and recommendations are made

Item No		Observations	Classification Code
03-021	1-00-008B-DB1		·
1	5 L2 - Screw missing from cover for contact	ctor	C3
2	11 L2, 11 L3 - Has circuits that may be rea outdoors with no 30mA RCD protection.	asonably expected to supply portable equipment	C2
3	8 L3 - RCBO damaged		C2
03-021	1-01-016D-DB1		
4	3 L3 - Spots lights above sink poorly terming	nated, single insulation on show	C3
5	3 L3 - CPCs not connected between spot li	ghts above sink	C2
03-021	1-02-016B-DB1		
6	6 L2 - FCU poorly fixed to wall		C2
7	3 L2 - Spots lights above sink poorly terming	nated, single insulation on show	C3
8	3 L2 - CPCs not connected between spot li	ghts above sink	C2
9	7 L3 - High cpc end to end readings		FI
10	1 L3 - Zs exceeds maximum permitted		FI
responsib C1 Dan Risk remo I mmedia Urgent r	ne following codes, as appropriate, has been allowed for the installation the degree of urgency for ager Present of injury. Immediate edial action required atte remedial action required for items: remedial action required for items: ement recommended for items:	ngerous C3 Improvement F1 Further i	to the person(s) nvestigation without delay
Further	investigation required for items:	9, 10	

GENERAL CONDITION OF THE INSTALLATION General condition of the installation (in terms of electrical safety): This installation is in a fair condition, few observations have been identified that require attention.

There is additional 30mA RCD protection to various circuits however this is recommended for improvement.

9 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.

in section	1 4 of 1	this report.														
Trading T	itle:	~Norwo	od Elec	ctrical (l	JK) Ltd	d										
Address:		The Coa		use, Loc	kingto	n Hall				_	ation Ni icable):	umber	0327	88		
		· ·							-	Telepho	one Nur	mber:	0844	800 5	540	
					ſ	Postcode:	DE	74 2RH								
For the I	NSPE	ECTION, TE	ESTING	S AND A	SSESS	MENT of	the re	eport:								
Name:							ectricia		Sign	ature:				Date:	14/09/	′2020
Report r	eview	ed and au	ıthorise	ed for is	sue by	/ :										
Name:		Brett Irvi	ng	Pos	ition:	Qualifie	d Supe	ervisor	Sign	ature:		BIZ		Date:	11/01/	′2021
10 SUI	PPLY	CHARA	CTER	ISTIC	S ANI	D EART	HINO	3 ARRA	ANG	EMEN	ITS					
Earthi Arranger	PPLY CHARACTERISTIC Ing Number and Type of ac: 1-phase (2 wire): N/A 2-phase (3 wire) N/A 3-phase (4 wire)				Live Cc	nductors		¦ Na [.]	ture o	f Suppl	y Param	neters	Suppl	y Prote	ctive De	vice
TN-S		CHARACTERISTICS Number and Type of Li ac:			N/A	dc: 2 pole:	N/A N/A	¦Nomina ¦voltage	l l	J: 400	V Uo:	230 V	BS(EN):		LIM	
TN-C-S	N/A	2-phase	1-phase 2 wire): N/A (3 wire): N/A 3-phase N/A 3-phase			3 pole:	N/A	Nom	ninal fr	equen	cy, f:	50 Hz	Туре:		LIM	
TNC	N/A	3-phase	2 wire): -phase 3 wire): -phase 3 wire): N/A 3-phase (4 wire):			Other:	N/A		pectiv ent, Ip	e fault of:		1.40kA	Rated cu	ırrent:	LIM	Α
TT	N/A	1 '			N/A					arth fa dance,		0.33 Ω	¦Short-cir ¦capacity		LIM	kA
IT	N/A	Confirma	tion of s	supply po	olarity:		~	Num	nber o	f suppli	ies:	1	 			
11 PAI	RTIC	ULARS (OF I N	STALL	ATI C	N REF	ERRE	D TO I	N TI	HE RE	EPOR ⁻	Т				
Means of		hing	!		[Details of	Install	ation Ear	th Ele	ctrode	(where	applicabl	e)			
Distribute facility:	or s	'	1 .			N/A		Locati					N/A			
Installation earth electric		. N/A	1		N	/Α Ω		Metho measi		ent:			N/A			
Maximum	n Dem	and (Load)	: L	IM LIM	Pr	otective i	measui	re(s) aga	ainst e	lectric	shock:			ADS		
	tch / S	witch-Fuse	/ Circu	it-Breake	er / RCI)		Suppl				If RCD	main swi	tch:		
Type BS(EN):	609	47-3 Isola	tor (Current r	ating:	25	50 A	condu	-	Co	pper		residual ing curre	nt (IAn)		'A mA
Number of poles:	3	3				ng 25	50 A	mater Suppl					time dela			/A ms
or poics.				or setting Voltage r	-	40	00 V	condu		95	mm ²		red opera	ating	N/	/A ms
 Farthing	and Pr	otective Bo	 ndina C	onductor					ondina	a of ext	raneous		at I∆n): tive parts			
Earthing of	conduc		. ram ig o			Connecti		To	o wate	er insta		V	To gas	install	ation	~
Conducto material:		Copper	csa	a: 25	mm ²	continuity verified:	y		ipes: o oil ir	nstallat	ion	N/A	pipes: To ligh			N/A
Main protective bonding conductors						Connecti			ipes:			IN/A	protec To oth	tion: er serv	ice(s)	IN/ A
Conducto material:	or	Copper	CSa	a: 25	mm ²	continuity verified:		,	o stru teel:	ctural		N/A	13 0111		/A	

2 11	ISPECTION SCHEDULE		
Item	Description	Comment	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTI	ON ONLY)	
1.1	Service cable		LIM
1.2	Service head		✓
1.3	Earthing arrangements		✓
1.4	Meter tails		✓
1.5	Metering equipment		✓
1.6	Isolator (where present)		✓
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWIT	TCHED 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)	ed below are employed details sho	ould 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	DISTRIBUTION EQUIPMENT		
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)		V
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 Unacceptable Clar C2 Improvement Further Fire	verified N/V Limitation LIM appl	Not N/A

13/11	ISPECTION 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)		~
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)	Item 10	FI
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 conditio	ble TICK Unacceptable C1 or C2 Improvement C3 Further		lot icable N/A

14/IN	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	id 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)		V
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)		v
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)	Item 3	C2
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	iage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)		~
7.11.2			•
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) *		~
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	Item 2	C2
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	al
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)	Item 4,5,7,8	C3
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 6	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	I SOLATION 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 TLCK 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)		V
9.2	Equipment does not constitute a fire hazard (Section 421)		V
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 1	C3
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)		'
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)		✓
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 conditio	ble Troy Unacceptable Garage Improvement Garage Further	Not verified N/V Limitation LIM ap	Not N/A

17_5	SCHEDULE OF CIRCUIT	DETAIL	_S Al	ND TE	ST I	RES	ULT:	S																		
Dist	ribution board designation:	03-02	1-00	-002A	-MP	1 (Do	orma	an Smit	h)		Loc	catio	n:			03	-021-0	00-00	2A							
				0	condu	cuit uctors: sa	t time S7671	Overcurr	ent pro		/e	RCD	1 Z _S	(Circuit imp	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 time permitted by BS7671	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by B	Ring f (measi	inal circuit ured end t		All cir (one col be com	lumn to	Live - Live	Live - Earth	Test voltage	Polarity	Maximum meas earth fault loop impedance Zs	Disconnection Ime	Test button operation	Test button operation
Cir			Typ (Nur Poi	mm ²	mm ²			_	A	kA	mA	Ω		(Neutral)	(cpc)	1 2		MΩ	MΩ	V	~	Ω	ms	∠	· ·
1 TP	Mech Panel - 002A		F	E 1	25	41	5 6	60947-2		100	25						0.05			>999	500	~	0.33			
2 TP	Supply to 03-021-00-008B- (Dorman Smith)	-DB1	F	E 1	25	76	5 6	50947-2		100	25						0.01			>999	500	~	0.15			
3 TP	Supply to 03-021-01-016D-(Dorman Smith)	-DB1	F	E 1	25	76	5 6	50947-2		100	25						0.01			>999	500	~	0.17			
4 TP	Supply to 03-021-02-016B- (Dorman Smith)	-DB1	F	E 1	35	84	5 6	50947-2		100	25						0.02			>999	500	~	0.17			
5 TP	Spare																									
6 TP	Spare																									
7 L1	DB Comms		F	E 1	16	46	5 6	60947-2		63	25															
	A	В		C				D			F			F			G		Н				0 - 01	her		
TYF	PE OF insulated/sheathed	hermoplastic cables in etallic conduit	ne	Thermop cables onmetallic	in	t	cal	moplastic bles in ic trunking	n		rmoplables tallic t	in	ng	Thermo			nosettino A cables	-	Minera insulated o				N/			
APF	BOARD CHARACTERIST PLIES WHEN THE BOARD IS y to this distribution board is fr	NOT CONI	NECTE		HE C		IN OI	F THE IN		ALLA of ph			3					Con	firmatio	n of sup	ply po	olari	ty:			'
	urrent protective device e distribution circuit:	S(EN):							Rat	ing:			250	Λ	lominal 'oltage:	40	0 V	Zs:		0.3	33 Ω	lр	f:		1.	40 k
RCD		S(EN):							No	of po	oles:				ating:		mA		onnecti	on	ms		isconn me at		า	m
	DETAILS OF TEST INST ails of Test Instruments used (s			or asset	numł	pers).																				
	functional:	ion resist	ance	e:					-			Co	ontinuity	/ :			-									
Earth	electrode resistance:		-			Ea	arth fa	ault loop	impe	edan	ce:				-			R	CD:				-			
0 1	TESTED BY																									
Nam	me: Danny Allen Position: Electrician												Signa	ture:							Dat	te:	1.	4/09/	202	0

	ibution board designation: 03-02							an Smit	h)		Loc	catio	า:			03	-021-0	00-002	2A							
			_		condu	cuit ictors:	time S7671	Overcurr	ent pi		/e	RCD	BS7671	(Circuit imp	edance	s (Ohms)		nsulation esistance			sured	R	CD	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	3 Operating ➤ current, I∆n	Maximum Z _S permitted by B ³	(measi	inal circuits ured end to rn (Neutral)		(one co	cuits lumn to pleted)	- Live - Live	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop impedance Zs	B Disconnection it ime	Test button operation	Test button operation
7 L2	DB E/T1 (Supply to 03-021-000-025-DB1 (MEM) ET1)	F	E	1	35	66	5	60947-2		100	25						0.07			>999	500	•	0.40			
7 L3	DB E/T2 (Supply to 03-021-000-045-DB1 (Eaton) DB/E/T2)	F	E	1	25	60	5	60947-2		100	25						0.01			>999	500	•	0.18			
8 L1	DB E/T3 (Supply to 03-021-000-046-DB1 (MEM) ET/3)	F	Е	1	25	60	5	60947-2		100	25						0.05			>999	500	•	0.37			
8 L2	Fire Alarm	F	Е	1	2.5	2.5	0.4	60947-2		16	25															
8 L3	Emergency Light Panel	F	Е	1	2.5	17	0.4	60947-2		16	25						0.08			>999	500	•	0.41			
9 TP	Spare																									
10 TP	Spare																									
11 TP	Spare																									
12 TP	Main Switch																									
CODE TYP WIR		t		C ermopl cables etallic	in	t	C	D rmoplastic ables in illic trunking	r		E rmoplables tallic t	in		F Thermor /SWA c			G mosetting 'A cables	9	H Minera nsulated c				o - o			

S	CHEDULE OF CIR	CUIT DETAIL	LS /	AND) TE	ST F	RES	ULT	S																		
Distr	ibution board designatio	n: 03-02	21-0	0-0	08B-	DB1	l (D	orm	an Smit	th)		Loc	catio	n:			03	-021-0	00-00	8B							
						condu	cuit ictors:	. time S7671	Overcur	rent pr		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			sured	RC	D	AFDD
Circuit number and phase	Circuit designa	tion	Type of wiring	Reference Method	Number of points served	Live mm ²	·	Max disconnect time permitted by BS7671	BS(EN)	Type No	. Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by	(measu	nal circuit ured end t	o end)	All cir (one col be com	umn to	Live - Live	Live - Earth	. Test voltage	Polarity	Maximum measu earth fault loop impedance Zs	Disconnecti time		Test button operation
1 L1	Lights - 011, 012, 013	3, 014, 015	A	E		1.5	1	0.4	60898	В	10	10	mA	Ω 3.50	(Line)	(Neutral)	(cpc)	2.87		ΜΩ	MΩ >999	500	V	Ω 2.88	ms		
1 L2			Α	E	2	1.5	1	0.4		В	10	10						0.98			>999			0.66			
1 L3	Lights - 001, 002A		Α	Е	4	1.5	1	0.4	60898	В	10	10		3.50				0.57			>999	500	~	0.78			
2 L1	Lights - 016, 017, 018	3, 019, 020,	Α	E	13	1.5	1	0.4	60898	В	10	10		3.50				0.98			>999	500	~	0.84			
2 L2	Lights - 004A, 047A,	008B	Α	Е	11	1.5	1	0.4	60898	В	10	10		3.50				0.76			>999	500	~	0.74			
2 L3	Lights - 005		Α	Е	12	1.5	1	0.4	60898	В	10	10		3.50				1.68			>999	500	~	1.65			
3 L1	Spare																										
3 L2	Circuit Not Tested																										
3 L3	Lights - 006, 007A, 00	D7B	Α	Е	8	1.5	1	0.4	60898	В	10	10		3.50				1.58			>999	500	~	0.96			
TYP	A S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		(C ermopla cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic	in		F hermop /SWA ca			G mosetting A cables		H Minera insulated o				o - Ot			
APP Supply	SOARD CHARACTE LIES WHEN THE BOAR to this distribution boar	D IS NOT CON							OF THE II		ALLA of ph			3					Con	firmatio	n of sup	ply p	olari	ty:			·
	urrent protective device distribution circuit:	BS(EN):		60	947-	2 - T	ype			Rat	ting:			100	Λ	ominal oltage:	40	0 V	Zs:			15 Ω	lp				98 ka
RCD	BS(EN):									No	of po	oles:			R	ating:		mA		onnecti at In:	on	ms		isconn <u>me at</u>		١	ms
_	DETAILS OF TEST I			l/or a	sset	numk	ers)	:																			
Multi-f	Multi-functional: 101897681 Insulation										e:					-			Co	ontinuity	y:			-			
Earth	rth electrode resistance: - Earth										edan	ce:				-			R	CD:				-			
	e: Danny A	Allon	-	Positio					Electricia	n				Signat	urc							De	to	1	5/09/	2020	
Nam	e. Danny i	LIECTICIA	11				Signat	ure:							Dat	ie:		J/U9/ 	ZUZ(J							

	ibution board designation: 03-02							an Smit	h)		Loc	catio	n:			03	-021-	00-00	BB							
			_		Circ	ctors:	t time S7671	Overcurr	ent p		/e	RCD	BS7671	(Circuit imp	oedance				nsulation esistance			sured		CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²	·	Max disconnect ti permitted by BS7	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	ω Maximum Z _S permitted by B		inal circui ured end rn (Neutral)		(one co	rcuits lumn to pleted)	Ω M Live - Live	ω M Live - Earth	< Test voltage	√ Polarity	Maximum measur Β earth fault loop impedance Zs	B Disconnection time	▼ Test button operation	Test button operation
4 L1	Spare																									
4 L2	Lights - 048A, First Floor 016B & 027, Second Floor 027	Α	Е	8	1.5	1	0.4	60898	В	10	10		3.50				1.02			>999	500	~	0.78			
4 L3	Spare																									
5 L1	Spare																									
5 L2	Lighting Control - 008B	Α	В	1	1.5	1	0.4	60898	В	10	10		3.50				0.10			>999	500	•	0.22			
5 L3	Lights - 047B, First Floor 026, Second Floor 026	Α	E	4	1.5	1	0.4	60898	В	10	10		3.50				1.54			>999	500	~	1.39			
6 L1	AC - Comms	Α	Е		2.5	1.5	0.4	60898	В	10	10		3.50										LIM			
6 L2	Socket - 008B	Α	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.19			>999	500	~	0.25			
6 L3	Spare RCBO						0.4	61009	В	20	10	30	1.75													
7 L1	Sockets - 012, 014, 015	Α	Е	13	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.77	0.70	1.15	0.45			>999	500	•	0.43	18	~	
7 L2	Circuit Not Tested																									
7 L3	BMS Panel - 002A	Α	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.18			>999	500	~	0.29			
8 L1	Sockets - 016, 018, 020	Α	E	11	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.83	0.83	1.35	0.51			>999	500	~	0.53	18	~	
8 L2	Circuit Not Tested																									
8 L3	Sockets - 002A	Α	Е	1	2.5	1.5	0.4	61009	В	20	10	30	1.75				0.38			>999	500	~	0.52	18	•	
9 L1	Sockets - 017, 019, 021	Α	Е	11	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.80	0.79	1.29	0.49			>999	500	~	0.66	18	~	
9 L2	Circuit Not Tested																									
CODE	A B S FOR Thermoplastic Thermoplastic		The	C ermopl	astic		The	D rmoplastic		The	E rmopl	lastic		F	alactic	Tha	G	2	H				0 - 0			
TYP				cables		t	С	ables in Ilic trunking	1		ables	in		Thermor			mosettin 'A cables	_	Minera nsulated o				FF)		

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

	ibution board designation: 03-							an Smit	h)		Loc	catio	n:			03	-021-0	00-008	BB							
						cuit ictors:	time S7671	Overcurre	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	cpc	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	۶ Capacity	g Operating ➤ current, I∆n	υ Maximum Z _S permitted by BS	(measi	rn (Neutral)	to end)	All cir (one col be com	umn to	Ω M Live - Live	Σ Live - Earth	< Test voltage		Maximum measured B earth fault loop impedance Zs	B Disconnection stime	Test button operation	Test button operation
9 L3	Sockets - 005, 006	А	Е	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.71	0.71	1.23	0.46			>999	500	•	0.77	17	•	
10 L1	Sockets - 011, 013	А	Е	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.53	0.50	0.84	0.34			>999	500	•	0.43	18	~	
10 L2	Sockets - 004A, 004B, 022	А	Е	7	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.92	0.92	1.51	0.56			>999	500	•	0.93	18	~	
10 L3	Sockets - 007A	А	E	7	4	1.5	0.4	61009	В	32	10	30	1.10	0.43	0.43	0.77	0.27			>999	500	•	0.54	18	~	
11 L1	Spare																									
11 L2	Sockets - 007A	А	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.55			>999	500	~	0.68			
11 L3	Sockets - 007A	А	Е	2	2.5	1.5	0.4	60898	В	20	10		1.75				0.77			>999	500	~	0.80			
12 L1	Salto - 008B	0	С	1	2.5	2.5	0.4	60898	В	16	10		2.18				0.12			>999	500	•	0.19			
12 L2	Hand Dryer - 003	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.56			>999	500	~	0.44			
12 L3	Oven - 007A	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.85			>999	500	~	0.62			
13 L1	Spare																									
13 L2	Hand Dryer - 008A	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.33			>999	500	~	0.32			
13 L3	Oven - 007A	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.98			>999	500	~	0.63			
14 L1	Spare																									
14 L2	Socket - Roof Void 004B	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.66			>999	500	~	0.78			
14 L3	Spare																									
15 TP	Spare																									
16 L1	Spare																									
	Α					D			E						G		Н				O - Ot	thor				
A B C D CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Type OF insulated/sheathed cables in cables in cables in wire insulated to the cables in ca											rmopla ables	in		Thermor			mosettino A cables	,	Minera				FF			

S	CHEDULE OF CIRCUIT																									
Distr	ibution board designation:	03-021-	00-0	08B-	-DB1	l (Do	orm	an Smit	h)		Loc	catio	n:			03	-021-	00-00	BB							
			7		condu	cuit ictors: sa	. time S7671	Overcurr	ent pi levice:		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			sured	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	ک Capacity	g Operating ➤ current, I∆n		(measi	inal circuit ured end t rn (Neutral)	r ₂ (cpc)			Ω M Live - Live	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop impedance Zs	g Disconnection grant time	Test button operation	Test button operation
16 L2	Spare																									
16 L3	Fire Alarm Battery Unit - 00	08B O	E	1	2.5	2.5	0.4	60898	В	16	10		2.18				0.12			>999	500	~	0.20			
																										-
																										-
																										_
TYP	E OF insulated/sheathed	B nermoplastic cables in etallic conduit		C ermopl cables netallic	in	t	C	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermor /SWA c			G mosettin 'A cables		H Minera nsulated c				0 - 0 FI			

S	SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS tribution board designation: 03-021-01-016D-DB1 (Dorman Sr																										
Distr	ibution board designation	n: 03-02	1-0	1-01	16D-	DB1	l (D	orm	an Smi	th)		Lo	catio	n:			03	-021-0)1-01	6D							
						Circ condu cs		t time S7671	Overcur	rent pr		/e	RCD	BS7671	C	Circuit imp	edance				nsulation esistance			sured	RC	D	AFDD
Circuit number and phase	Circuit designa	ion	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by B		nal circuit ured end t		All cir (one col be com	umn to	Live - Live	Live - Earth	Test voltage	Polarity	Maximum measu earth fault loop impedance Zs	Disconnection time	Test button operation	Test button operation
Cir			Typ	Ref	Nur	mm ²	mm ²				A	kA	mA	Ω		(Neutral)	(cpc)	' -		MΩ	MΩ	V	~	Ω	ms	~	· ·
1 L1	Lights - 018, 020, 025	j	Α	E	6	1.5	1	0.4	60898	В	10	10		3.50				1.64			>999	500	~	1.64			
1 L2	Lights - 002, 003, 005 011	5, 007, 009,	Α	Е	11	1.5	1	0.4	60898	В	10	10		3.50				2.08			>999	500	~	2.17			
1 L3	Lights - 016A		Α	Е	5	1.5	1	0.4	60898	В	10	10		3.50				0.63			>999	500	~	0.56			
2 L1	Lights - 019, 021, 022	0.4	60898	В	10	10		3.50				1.13			>999	500	~	2.46									
2 L2	Lights - 001, 004, 006	, 010, 012	Α	Е	10	1.5	1	0.4	60898	В	10	10		3.50				3.15			>999	500	~	3.26			
2 L3	Lights - 008		Α	Е	8	1.5	1	0.4	60898	В	10	10		3.50				0.71			>999	500	~	0.79			
3 L1	Lights - 016C, 024		Α	Е	2	1.5	1	0.4	60898	В	10	10		3.50				0.63			>999	500	~	0.69			
3 L2	Lights - External		Α	Е	3	1.5	1	0.4	60898	В	10	10		3.50				0.66			>999	500	~	0.77			
3 L3	Lights - 015		Α	Е	13	1.5	1	0.4	61009	В	10	10	30	3.50				0.31			>999	500	~	0.46	18	~	
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		(C ermopla cables i etallic d	in	t	С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic	in		F hermop /SWA ca			G nosetting A cables		H Minera nsulated o				o - ot			
APP	SOARD CHARACTE LIES WHEN THE BOAR to this distribution boar	D IS NOT CONN							DF THE II		ALLA of ph			3					Con	firmatio	n of sup	ply p	olarit	ty:			'
	urrent protective device distribution circuit:	BS(EN):		60	947-2	2 - T	ype			Rat	ting:			100	Λ	ominal oltage:	40	0 V	Zs:		0.1	17 Ω	lp	f:		2.6	68 kA
RCD		BS(EN):								No	of po	oles:			R	ating:		mA		onnections at In:	on	ms		sconn ne at		1	ms
DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers):																											
Multi-f	functional:	1018	3976	81			- 1	nsula	ition resis	stance	e:					-			Co	ontinuity	/ :			-			
Earth	electrode resistance:		-				Ε	arth	fault loop	imp	edan	ce:				-			R	CD:				-			
	ESTED BY	Mom	_											Ci-								Г.		41	- /00 /	2020	
Name: Danny Allen Position: Electrician														Signat	ure:							Dat	ıe:	1	5/09/	202(J

	CHEDULE OF CIRCUIT DETAI ibution board designation: 03-02							an Smit	h)		Loc	catio	า:			03	-021-0	01-01	5D							
	-				Circ		time 57671	Overcurr	ent pi		/e	RCD	BS7671	(Circuit im	pedance	s (Ohms	5)		nsulation esistance			ured	RC	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	₹ Capacity	3 Operating ➤ current, I∆n	α Maximum Z _S permitted by BS		rn (Neutral)	r ₂	(one co	rcuits lumn to apleted)	Ω Live - Live	M Live - Earth	< Test voltage	√ Polarity	Maximum measured earth fault loop impedance Zs	B Disconnection time	Test button operation	Test button operation
4 L1	Spare																									
4 L2	Spare																									
4 L3	Lights - 013, 014	Α	Е	6	1.5	1	0.4	60898	В	10	10		3.50				1.00			>999	500	~	1.16			
5 L1	Spare																									
5 L2	Spare																									
5 L3	Lighting Control - 016D	Α	В	1	1.5	1	0.4	60898	В	10	10		3.50				0.15			>999	500	~	0.25			
6 L1	Spare																									
6 L2	Spare																									
6 L3	Hand Dryer - 015	Α	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.31			>999	500	~	0.51			
7 L1	Sockets - 025, 020, 018	Α	Е	13	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.75	0.72	1.21	0.44			>999	500	~	0.58	18	~	
7 L2	Sockets - 007, 009, 011	Α	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.87	0.84	1.40	0.52			>999	500	~	0.69	18	~	
7 L3	Sockets - 002, 008, 016A	Α	Е	7	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.63	0.63	0.63	0.31			>999	500	~	0.61	18	~	
8 L1	Sockets - 024, 023, 022	Α	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.73	0.72	1.17	0.44			>999	500	~	0.76	18	~	
8 L2	Sockets - 003, 005	Α	Е	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.72	0.75	1.18	0.46			>999	500	~	0.87	18	~	
8 L3	Sockets - 016A, 016B, 016C	Α	Е	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.37	0.36	0.61	0.24			>999	500	~	0.47	18	~	
9 L1	Sockets - 019, 021	Α	Е	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.57	0.57	0.92	0.34			>999	500	~	0.62	18	~	
9 L2	Sockets - 001, 004	Α	Е	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.66	0.67	1.13	0.40			>999	500	~	0.70	18	~	
9 L3	Sockets - 013, 014	Α	Е	9	4	1.5	0.4	61009	В	32	10	30	1.10	0.63	0.63	1.16	0.53			>999	500	~	0.47	18	•	
								D															0.0	bla o c		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic conduit			C ermopl cables etallic			С	D rmoplastic ables in llic trunking	r		E rmopl ables tallic t	in		Thermor /SWA c			G mosetting A cables	J	H Minera nsulated o				0 - 01 FF			

S	CHEDULE OF CIRCUI																									
Distr	ibution board designation:	03-021-0)1-0	16D		•			h)		Loc	catio	n:			03	-021-0	01-016	5D							
			_		Cir	cuit uctors:	time S7671	Overcurr d	ent p		/e	RCD	BS7671		Circuit imp	oedance	es (Ohms	5)		nsulation esistance			sured	RO	CD	AFDI
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cuit uctors: sa cpc	Max disconnect permitted by B	BS(EN)	Type No	> Rating	₹ Capacity	g Operating ➤ current, l∆n	ω Maximum Z _s permitted by B:		inal circui ured end rn (Neutral)	r ₂	(one co	rcuits lumn to pleted)	Ω M Live - Live	Δ Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop impedance Zs	g Disconnection g time	Test button operation	Test button operation
10 L1	Spare																									
10 L2	Sockets - 006, 010, 012	А	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.80	0.80	1.37	0.50			>999	500	~	0.93	18	~	
10 L3	Sockets - 013, 014	А	Е	2	2.5	1.5	0.4	60898	В	20	10		1.75				0.43			>999	500	~	0.58			
11 L1	Spare																									
11 L2	Spare																									
11 L3	Socket - 013	А	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.59			>999	500	~	0.63			
12 L1	Spare																									
12 L2	Spare																									
12 L3	Oven - 014	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.21			>999	500	~	0.31			
13 L1	Spare																									
13 L2	Spare																									
13 L3	Oven - 014	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.28			>999	500	~	0.35			
14 L1	Spare																									
14 L2	Spare																									
14 L3	Sockets - 014	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.43			>999	500	~	0.54			
15 TP	Spare																									
16 L1	Spare																									
16 L2	Spare																									
	Α	В		С				D			E			F			G		Н				0 - 01	ther		
TYP	E OF insulated/sheathed	Thermoplastic cables in netallic conduit		ermopl cables ietallic	in	it	С	rmoplastic ables in Ilic trunking			rmopl ables tallic 1	in		Thermor			mosettin /A cables	J	Minera nsulated o				FF	Р		

	SCHEDULE OF CIRCL	JIT DETAIL	S ANI) TE	ST I	RES	ULT	S																		
Dist	ibution board designation:	03-02	1-01-0	16D	-DB1	1 (Do	orm	an Smit	h)		Loc	catio	n:			03	-021-	01-01	5D							
			7		condu	cuit ictors: sa	. time S7671	Overcurr	ent p levice		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			sured	RO	CD	AFDD
Circuit number and phase	Circuit designation	n	Type of wiring Reference Method	Number of points served		cpc	Wax disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by B	(measu	inal circuit ured end t rn (Neutral)	o end)	(one co	rcuits lumn to pleted)	Ω M Live - Live	M Live - Earth	< Test voltage	√ Polarity	Maximum measured B earth fault loop impedance 7s	g Disconnection g time	Test button operation	Test button operation
	Fire Alarm Battery Unit		O E	1		2.5		60898	В	16			2.18	(Line)		(cpc)		0.03		>999			0.23			
10 20	The Marin Battery Office	0100			2.0	2.0	0.1			10	10		2.10					0.00		- ///	000		0.20			
	A		С				D			E			F			G		Н				0 - 0	ther			
TYF	S FOR Thermoplastic E OF insulated/sheathed RING cables		nermopl cables netallic	in	t	C	rmoplastic ables in llic trunking			rmopl ables	in		Thermor			mosettin A cables		Minera nsulated c				F				

S	SCHEDULE OF CIRCUIT DETAILS AND TEST RESULT of the stribution board designation: 03-021-02-016B-DB1 (Dorm																										
Distr	ibution board designation	n: 03-02	21-0	2-0	16B-	DB1	(D	orm	an Smit	th)		Loc	catio	n:			03	-021-0	2-01	6B							
				_		Circ condu cs	ctors:	: time S7671	Overcuri	rent pr		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			measured loop Zs	RC	D	AFDD
Circuit number and phase	Circuit designat	tion	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	Rating	Capacity	Operating current, I∆n	Maximum Z _S permitted by B		nal circuit ured end t rn		All cir (one col be comp	umn to	Live - Live	Live - Earth	Test voltage	Polarity	Maximum meas earth fault loop impedance Zs	Disconnection time	Test button operation	Test button operation
1 L1	Lights - 018, 019, 024	1 025	ь А	E	7	mm ²	mm ²	0.4	60898	В	10	10	mA	Ω 3.50	(Line)	(Neutral)	(cpc)	1.01		ΜΩ	MΩ >999	500	~	Ω 0.93	ms	<i>\</i>	
	Lights - 016A	1, 020	A	E	8	1.5	1	0.4	60898	В	10			3.50				0.68			>999			0.72			
1 L3	Lights - 003, 005, 007	7 009 011	A	E		1.5	1	0.4	60898	В								3.37			>999			3.52			
	2 L1 Lights - 019, 021, 022, 023 A E 8 1.5 1 0.4 6													3.50				2.70			>999			2.68			
2 L2	Lights - 008	60898	ВВ	10							0.59			>999			0.67										
2 L3	_	1, 006, 010,	A	E E	11	1.5	1	0.4	60898	В				3.50				3.12			>999			3.25			
3 L1	Lights - Loft		Α	E	LIM	1.5	1	0.4	60898	В	10	10		3.50				LIM					LIM	LIM			
3 L2	Lights - 015		Α	Е	12	1.5	1	0.4	61009	В	10	10	30	3.50				0.51			>999	500	~	0.64	15	~	
3 L3	Lights - Loft		Α	Е	7	1.5	1	0.4	60898	В	10	10		3.50				0.87			>999	500	~	0.91			
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit			C ermopla cables etallic	in	t	C	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic	in		F hermop /SWA ca			G nosetting A cables		H Minera nsulated o				0 - 0t			
APP	BOARD CHARACTE LIES WHEN THE BOAR to this distribution board	D IS NOT CONI)F THE I I		ALLA of ph			3					Cont	firmatio	n of sup	pply p	olarii	t y :			•
	urrent protective device distribution circuit:	BS(EN):		60	947-:	2 - T	ype			Rat	ting:			100	Λ	ominal oltage:	40	O V	Zs:			17 Ω	lpt				68 ka
RCD		BS(EN):								No	of po	oles:			R	ating:		mA		onnections at In:	on	ms		isconn <u>me at</u>		n	ms
DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers):																											
Multi-f	unctional:	1018	3976	81			- 1	nsula	tion resis	tance	e:					-			Co	ontinuity	/ :			-			
Earth	electrode resistance:		-				E	arth	fault loop	imp	edan	ce:				-			RO	CD:				-			
	ESTED BY Danny A	Allen	C	Positiv	on:			F	-lectricia	n				Signat	ure.							Da	te:	1	6/09/	/202	0
Name: Danny Allen Position: Electrician										' '				Jigilat	arc.							Da			0,09/	202	J

	CHEDULE OF CIRCUIT DET ibution board designation: 03							an Smit	h)		Loc	catio	า:			03	-021-0	02-016	БВ							
			7		Circ	cuit ctors:	time S7671	Overcurr	ent pi		/e	RCD	BS7671	(Circuit im	pedance				sulation sistance			measured t loop s Zs	RC	D,	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm ²		Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	₹ Capacity	g Operating ➤ current, I∆n	Maximum Z_Spermitted by B		nal circui ured end r _n (Neutral)	to end)	All cir (one col be com	umn to	Ω M Live - Live	Σ Live - Earth	< Test voltage	◆ Polarity	Maximum meas S earth fault loop impedance Zs	B Disconnection it time	Test button operation	Test button operation
4 L1	Spare																									
4 L2	Lights - 013, 014	А	Е	6	1.5	1	0.4	60898	В	10	10		3.50				1.10			>999	500	•	1.23			
4 L3	Spare																									
5 L1	Spare																									
5 L2	Lighting Control - 016B	А	E	1	1.5	1	0.4	60898	В	10	10		3.50				0.12			>999	500	•	0.27			
5 L3	Spare																									
6 L1	Spare																									
6 L2	Extract Fan - 016B	А	E	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.15			>999	500	•	0.25			
6 L3	Spare																									
7 L1	Sockets - 018, 020, 025	А	E	13	2.5	1.5	0.4	61009	В	20	10	30	1.75	0.72	0.69	1.16	0.44			>999	500	•	0.75	18	•	
7 L2	Sockets - 016A, 008, 002	А	E	7	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.65	0.62	1.05	0.45			>999	500	•	0.70	18	•	
7 L3	Sockets - 007, 009, 011	А	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.85	0.85	2.05	0.60			>999	500	•	0.86	18	•	
8 L1	Sockets - 022, 023, 024	А	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.64	0.64	1.04	0.40			>999	500	•	0.63	18	•	
8 L2	Sockets - 016A	А	Е	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.35	0.35	0.55	0.19			>999	500	•	0.58	18	•	
8 L3	Sockets - 003, 005	А	E	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.71	0.71	1.17	0.43			>999	500	•	0.77	18	•	
9 L1	Sockets - 019, 021	А	E	6	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.54	0.52	0.87	0.32			>999	500	•	0.61	18	•	
9 L2	Sockets - 013, 014	А	E	9	4	1.5	0.4	61009	В	32	10	30	1.10	0.39	0.39	0.90	0.28			>999	500	•	0.58	19	•	
9 L3	Sockets - 001, 004	Α	Е	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.68	0.68	1.14	0.43			>999	500	•	1.02	18	•	
0005	A B		The	С			Th	D		The	E			F			G		Н				0 - 0	her		
TYP		in	(ermopla cables i etallic d	n	t	С	rmoplastic ables in Ilic trunking	r		rmopl ables tallic t	in		Thermop /SWA ca			nosetting A cables	, I	Minera nsulated c				FF)		

	ibution board designation: (03-021-0							h)		Loc	catio	า:			03	-021-0)2-01 <i>6</i>	6B							
	<u> </u>				Cir	cuit ictors:	time 57671	Overcurr	ent pr		/e	RCD	BS7671	(Circuit imp	oedance	s (Ohms)		nsulation esistance			nred	RO	CD	AFD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cuit ictors: sa cpc	Max disconnect permitted by BS	BS(EN)	Type No	> Rating	y Capacity	3 Operating ➤ current, I∆n	Maximum Z _S permitted by BS	(measu	nal circui ured end rn (Neutral)	r ₂		cuits lumn to pleted)	- Live - Live	ω W Live - Earth	< Test voltage	♣ Polarity	Maximum measured earth fault loop impedance Zs	B Disconnection stime	Test button operation	Test button
10 L1	Spare MCB						0.4	60898	В	10	10		3.50													
10 L2	Sockets - 013, 014	А	Е	2	2.5	1.5	0.4	60898	В	20	10		1.75				0.50			>999	500	~	0.58			
10 L3	Sockets - 006, 010, 012	А	Е	9	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.73	0.73	1.23	0.44			>999	500	~	0.70	18	~	
11 L1	Spare																									
11 L2	Socket - 013	А	Е	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.40			>999	500	~	0.63			
11 L3	Spare MCB						0.4	60898	В	32	10		1.10													
12 L1	Spare																									
12 L2	Oven - 014	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.20			>999	500	~	0.37			
12 L3	Spare																									
13 L1	Spare																									
13 L2	Oven - 014	А	Е	1	4	1.5	0.4	60898	В	20	10		1.75				0.20			>999	500	~	0.33			
13 L3	Spare																									
14 L1	Spare																									
14 L2	Socket - 014	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.53			>999	500	~	0.47			
14 L3	Spare																									
15 TP	Spare																									
16 L1	Spare																									
16 L2	Hand Dryer - 015	А	Е	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.25			>999	500	~	0.46			
CODE	A I S FOR Thermoplastic Therm		Th	C ermopl	actic		Ther	D moplastic		Tho	E rmopl	astic		F			G		Н				0 - 0	ther		
TYP	E OF insulated/sheathed cabl			cables etallic	in	t	Ca	ables in lic trunking	r		ables	in		Thermor			mosetting A cables		Minera nsulated o				FF	Þ		

S	CHEDULE OF CIRCL																									
Distr	ibution board designation:	03-021	1-02-0	16B-	-DB1	1 (Do	orm	an Smit	h)		Loc	catio	n:			03	-021-	02-01	6B							
			_		condu	cuit ictors: sa	. time S7671	Overcurr	ent p		/e	RCD	BS7671	(Circuit imp	edance				nsulation esistance			sured	RO	CD	AFDD
Circuit number and phase	Circuit designatio	n :	Type of wiring Reference Method	Number of points served		cpc	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 circuit ured end t rn (Neutral)	o end)	(one co	rcuits dumn to ppleted)	Ω M Live - Live	N Live - Earth	< Test voltage	♣ Polarity	Maximum measured B earth fault loop impedance 7s	g Disconnection s time	Test button operation	Test button operation
	Fire Alarm Battery Unit		O E	1		2.5		60898	В	16			2.18			(cpc)		0.03		>999			0.25			
10 20	The flatting of the	0.02		•	2.0	2.0	0.1						2.10					0.00		. , , ,	000		0.20			
CODE	S FOR Thermoplastic	B Thermoplastic	Th	C ermopl	astic		The	D rmoplastic		The	E rmopl	astic		F Thermor	alactic	Tha	G	a .	H	N.			0 - 0			
TYP		cables in metallic conduit		cables netallic		t		ables in llic trunking	ı	ca nonmet	ables tallic t			/SWA c			mosettin 'A cables		Minera nsulated c				F	P		

S	CHEDULE OF CIRCL	JIT DETAIL	S	AND	TE:	ST F	RES	ULT	S																		
Distr	ibution board designation:	03-	021	1-00	0-02	25-D	B1	(ME	M) ET1			Loc	catio	n:			03	-021-0	0-000	25							
				_		Circ	cuit ctors:	time S7671	Overcuri	rent pr		/e	RCD	BS7671	C	Circuit imp	oedance				nsulation esistance			measured loop Zs	RC	D	AFDD
Circuit number and phase	Circuit designatio	n	Type of wiring	Reference Method	Number of points served	Live mm ²		Max disconnect time permitted by BS7671	BS(EN)	Type No	➤ Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z_Spermitted by B	(measu	nal circuit ired end t r _n (Neutral)		All cir (one col be com	umn to	Ω MΩ	Ω Live - Earth	< Test voltage	✓ Polarity	Maximum meas Searth fault loop impedance Zs	B Disconnection it ime	Test button operation	Test button operation
1 L2	Lighting - 031,029,028,	027	D	В	7		1.0		60898	В	10	10		3.50				0.33			> 999			0.77			
2 L2	Lighting - 032,033,023	A,025,034	D	В	8	1.5	1.0	0.4	60898	В	10	10		3.50				0.13			> 999	500	~	0.53			
3 L2	Bathroom Lighting - 02	4,026	D	В	2	1.5	1.0	0.4	61009	С	10	10	30	1.75				0.30			> 999	500	~	0.68		~	
4 L2	Boiler Feed - 033		D	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.06			> 999	500	~	0.45			
5 L2	Rfc Sockets - 027,028,0	0.4	61009	В	32	10	30	1.10	0.63	0.63	1.06	0.42			> 999	500	~	0.51		~							
6 L2	Rfc Sockets 023A,031,	0.4	61009	В	32	10	30	1.10	0.73	0.73	1.16	0.46			> 999	500	•	0.30		•							
7 L2	Rfc Sockets Kitchen - 0	32	D	В	8	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.30	0.32	0.53	0.22			> 999	500	~	0.24		•	
8 L2	Freezer Socket - 033		D	В	1	2.5	1.5	0.4	60898	В	20	10		1.75				0.10			> 999	500	~	0.50			
9 L2	Cooker - 032		D	В	1	10	4	0.4	60898	В	32	10		1.10				0.04			> 999	500	•	0.44			
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		(C ermopla cables i etallic c	n		С	D rmoplastic ables in Ilic trunking	r		E rmopl ables tallic t	in		F Thermop /SWA ca			G mosettino A cables	·	H Minera insulated o				0 - Ot N/A			
APP Supply	BOARD CHARACTER LIES WHEN THE BOARD to this distribution board	IS NOT CONN							OF THE II - 7 L2		ALLA of ph			1					Cont	firmatio	n of sup	ply p	olarit	ty:			'
	urrent protective device distribution circuit:	BS(EN):		609	947-2	2 - T	ype			Rat	ing:			100	Λ	ominal oltage:	23	0 V	Zs:			10 Ω	. 1-				58 kA
RCD				No	of po	oles:			R	ating:		mA		onnections at In:	on	ms		isconn <u>me at</u>		٦ 	- ms						
DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers):																											
Multi-functional: 101897681 Insulation re											∋:					-			Сс	ontinuity	y :			-			
Earth electrode resistance: - Earth fault loop											edan	ce:				-			RO	CD:				-			
TESTED BY																								0.	7/44	2000	
Name: Roy Clarke Position: Electrician													Signat	ture:							Dat	ie:	2	7/11/	2020	J	

	CHEDULE OF CIRCUIT DETA ibution board designation: 03							iM) ET1			Loc	catio	n:			03	-021-	000-0	25							
			_		condu	cuit ictors:	time S7671	Overcurr d	ent p		/e	RCD	BS7671		Circuit imp	edance				nsulation esistance			sured	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served		cpc mm ²	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	≿ Capacity	g Operating ➤ current, I∆n	D Maximum Z _S permitted by B		inal circuit ured end t rn (Neutral)		(one co	rcuits lumn to pleted)	Ω M Live - Live	ω Live - Earth	< Test voltage	♣ Polarity	Maximum measured Β earth fault loop impedance 7s	B Disconnection at time	Test button operation	Test button operation
10 L2	Spare																									
11 L2	Spare																									
12 L2	Spare																									
13 L2	Garage Feed (Supply To 03-021-000-Garage-Db1(Mem)Et1 a) (Supply to 03-021-000-Garage-DB1 (MEM) ET1A)	D	В	1	10	4	5	60898	В	32	10		1.10				0.15			>999	500	~	0.54			
CODE TYP WIR	E OF insulated/sheathed cables in			C ermopl cables etallic		t	С	D rmoplastic ables in llic trunking			E rmopl ables tallic t	in		F Thermor			G mosettin 'A cables		H Minera Insulated o				0 - 0 N/			

S	CHEDULE OF CIRC	CUIT DETAIL	_S A	ND	TE:	ST F	RES	ULT	rs																			
Distr	ibution board designatio	n: 03-02	21-00	0-0	Gara	ige-	DB1	(M	EM) ET	1A		Lo	catio	n:			03-0)21-00	0-Ga	rage								
				_		Circ condu cs	cuit ictors:	time S7671	Overcur	rent pi		ve	RCD	BS7671	(Circuit imp	oedance	s (Ohms)		nsulation esistance			measured loop	RC	:D	AFDD	
Circuit number and phase	Circuit designa	tion	Type of wiring	Reference Method	Number of points served	Live	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	Rating	Capacity	Operating current, IΔn			inal circuit ured end t		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	mm ²	S			Α	kA	mA	Ω	(Line)	(Neutral)	(cpc)			ΜΩ	MΩ	V	~	Ω	ms	~	~	
1 L2	Sockets		В	В	2	2.5	1.5	0.4	61009	В	16	10	30	2.18				0.02			> 999	500		0.54	18	-		
2 L2	Lighting		В	В	4	1.5	1.0	0.4	60898	В	10	10		3.50				0.03			> 999	500	~	0.63				
3 L2	Spare																											
4 L2	Spare																											
5 L2	Spare																											
6 L2	Spare																											
7 L2	Spare																											
8 L2	Spare																											
			·	·	·				,				•															
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit	n	C	C rmopla ables i	n		D E Thermoplastic Thermopla cables in cables i metallic trunking nonmetallic tr					in		F Thermor /SWA c			G mosettin A cables	-	H Miner insulated				o - o				
APP	SOARD CHARACTE LIES WHEN THE BOAR to this distribution boar	RISTICS D IS NOT CONN	NECTI	ED T	ΓΟ ΤΙ	не с)RI G	IN C	<u> </u>				N	1					Con	firmatio	on of sup	a vlac	olarit	tv:			_	
Overcu	irrent protective device	BS(EN):		60	0898	3 - Tv	vpe I	3			ting:			32	Λ	lominal	23	0 v				54 Ω	lр	-		0.4	42 kA	
for the	distribution circuit:	BS(EN):					, i				of po	oles:			Voltage:			mA		Disconnection			Di	sconn		n	- ms	
DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset number																			LITTIE	e at In:			LII	<u>ne at</u>	<u> 5III:</u>			
	unctional:			ition resis	stance	e:					-			Co	ontinuit	y:												
Earth	Earth electrode resistance: - Earth										edan	ce:				-			RCD:					-				
Earth electrode resistance: - Earth fault loop impedance: - TESTED BY																												
Nam	e: Roy Cla	arke	Ро	sitio	n:			Electrician						Signature:							Da	Date: 27/11/2020						

5	CHEDULE OF CIRC	UIT DETAIL	LS A	AND	TE	ST I	RES	ULT	S																			
SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Distribution board designation: O3-021-000-046-DB1 (MEM) ET/3 Location: O3-021-000-046 Circuit designation O3-021-000-046 Overcorrent protective devices O3-021-000-046 O3-																												
				_		condu	cuit ictors:	t time S7671				/e	RCD	S7671	(Circuit imp	oedance							sured	RC	D	AFDD	
Circuit number and phase	Circuit designati	on	Type of wiring	Reference Method	Number of points served				BS(EN)	Type No				Maximum Z _S permitted by	(measu	red end t	r ₂	(one co	lumn to pleted)	Live -	Live -	Test		Maximum earth fault impedance		Test		
1 L1	Lighting - 036,038,042	2,046	E	В					60898	В								0.62					i .					
2 L1	Lighting - 040		E	В	2	1.5	1.0	0.4	61009	В	10	10	30	3.50				0.46			> 999	500	~	0.91	18	~		
3 L1	Spare																											
4 L1	Rfc Sockets - 036,042,	046,050	Е	В	12	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.65	0.65	1.07	0.44			> 999	500	~	0.69	17	~		
5 L1	Rfc Sockets - 038		Ε	В	4	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.34	0.34	0.60	0.24			> 999	500	~	0.55	18	~		
6 L1	Freezer Socket - 038		Е	В	1	2.5	1.5	0.4	61009	В	16	10	30	2.18				0.22			> 999	500	~	0.57	18	~		
7 L1	Cooker - 038		E	В	1	10	4	0.4	60898	В	32	10		1.10				0.07			> 999	500	~	0.44				
8 L1	Spare																											
9 L1	Spare																											
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		(C ermopl cables etallic	in		С	D rmoplastic ables in Ilic trunking	E Thermoplasti cables in nonmetallic trun			in		F Thermop /SWA ca			G mosetting A cables	-	H Minera insulated o				0 - Ot N/				
APP	BOARD CHARACTER LIES WHEN THE BOARD to this distribution board	RISTICS D IS NOT CONN		TED	то т	HE C)RI G	ilN C	· ·				N	1					Confirmati		n of sup	oply p	olari	ty:			·	
	urrent protective device distribution circuit:	BS(EN):		60	947-	2 - T	уре			Rat	ing:			100	Λ	ominal oltage:	23	0 v	Zs:		0.3	37 Ω	lp	f:		0.6	59 kA	
RCD		BS(EN):								No	of po	oles:			Rating:			mA		onnecti at In:	on	- ms		isconn me at		٦ 	- ms	
	DETAILS OF TEST INSTRUMENTS Details of Test Instruments used (state serial and/or asset numbers																											
ľ	Details of Test Instruments used (state serial and/or asset numbers): ulti-functional: 101897681 Insu										э:					-			Co	ontinuity	y:							
Earth	arth electrode resistance: - Earth										edan	ce:			-				RCD:					-				
	ESTED BY																											
Nam	e: Roy Cla	rke	Р	ositio	n:			Electrician					Signature:								Date: 26/11/2020							

S	CHEDULE OF CIRCUIT D	ETAILS	ANE) TE	ST RES	SULT	S																		
Distr	ribution board designation:	03-021	I-00	0-04	6-DB1	(MEI	M) ET/3			Loc	catio	n:			03	-021-	000-0	46							
					Circuit conductors csa	time S7671	Overcurr	ent p		/e	RCD	BS7671	(Circuit imp	pedance	es (Ohms	s)		nsulation esistance			inred	RO	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live cpc	Max	BS(EN)	Type No	> Rating	₹ Capacity	g Operating ➤ current, I∆n	ω Maximum Z _S permitted by B9	Ring fi (measo	inal circui ured end rn (Neutral)	ts only to end)	(one co	rcuits plumn to ppleted)	ΩM Live - Live	M Live - Earth	< Test voltage	✔ Polarity	Maximum measured Θ earth fault loop impedance Zs	B Disconnection at time	Test button operation	Test button operation
	Spare																								
11 L1	Spare																								
12 L1	Spare																								
																							-		
																							<u> </u>		
	A	В		С			D			E			F			G		Н				0 - 0	ther		
TYP	E OF insulated/sheathed cal	ermoplastic Thermoplastic cables in cables in			C	Thermoplastic Thermoplastic						Thermoplastic Thermosetting Mineral insulated cables							N/A						

S	CHEDULE OF CIRC	CUIT DETAII	LS /	AND) TE	ST I	RES	ULT	S																				
Schedule of Circuit Details AND TEST RESULTS Distribution board designation: O3-021-000-045-DB1 (Eaton) DB/E/T2 Location: O3-021-000-045 O3-021-000-045 O3-0																													
						condu	cuit ictors:	: time S7671				/e	RCD	S7671	(Circuit imp	oedance							sured	RC	D	AFDD		
Circuit number and phase	Circuit designa	tion	Type of wiring	Reference Method	Number of points served				BS(EN)	Type No				Maximum Z _S permitted by	(measu	red end t	r ₂	(one co be com	lumn to pleted)	Live -	Live -	Test		Maximum earth fault impedance		Test			
	Lighting - 036,037,04	1,045,049	E	В					60898	В								0.75											
2L3	Bathroom Lighting - 0)39	E	В	2	1.5	1.0	0.4	61009	В	10	10	30	3.50				0.23			> 999	500	~	0.42	17	~			
3 L3	Spare																												
4 L3	Rfc Sockets - 036,041	,045	Ε	В	11	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.61	0.60	0.97	0.36			> 999	500	~	0.86	18	~			
5L3	Rfc Kitchen Sockets -	037	Ε	В	3	2.5	1.5	0.4	61009	В	32	10	30	1.10	0.19	0.19	0.27	0.12			> 999	500	~	0.36	17	~			
6L3	Freezer Socket - 037,	049	Е	В	2	2.5	1.5	0.4	60898	В	20	10		1.75				0.28			> 999	500	~	0.48					
7 L3	Cooker - 037		Ε	В	1	10	4	0.4	60898	В	32	10		1.10				0.20			> 999	500	•	0.43					
8 L3	Spare																												
9 L3	Spare																												
TYP	S FOR Thermoplastic E OF insulated/sheathed	Thermoplastic cables in		(ermopl cables	in	t	С	rmoplastic ables in	r	C	ables	in					mosetting	-	Minera									
APP	BOARD CHARACTE PLIES WHEN THE BOAR	D IS NOT CON								HE INSTALLATIO				1					Confirmatio		n of sup	oply p	olarit	ty:			~		
	urrent protective device e distribution circuit:	BS(EN):		60	947-	2 - T	уре			Rat	ting:			100	Λ	ominal oltage:	23	0 v	Zs:		0.1	18 Ω	lp	f:		1.2	28 ka		
RCD		BS(EN):								No	of po	oles:			Rating:			mA		onnecti at In:	on	- ms		isconn me at		٦ 	- ms		
_	DETAILS OF TEST I			l/or a	sset	numl	pers)	:																					
	unctional:	81					ition resis	tance	e:					-			Co	ontinuity	y:			-							
Earth 6	electrode resistance:		-				Earth fault loo			imp	edan	ce:		-				RCD:				-							
1	ESTED BY																												
Nam	Danny i	Allen	F	Positio	on:			Electrician						Signature:								Date: 14/09/2020							

	CHEDULE OF CIRCUITION board designation:	03-021-00						_	/T2		Loc	catio	n:			03	-021-	0-000	45							
					Circ	cuit ctors:	time 57671	Overcu	rrent pi		/e	RCD	57671	(Circuit im	pedance	es (Ohms	;)		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 ctors: sa cpc	Max disconnect permitted by BS	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z _S permitted by BS7671	(measi	inal circui ured end r _n (Neutral)	to end)	(one co	rcuits lumn to pleted)	- Live ΩM	ΩM Live - Earth	< Test voltage	♣ Polarity	Maximum measured Θ earth fault loop impedance Zs	B Disconnection stime	Test button operation	Test button operation
10 L3	Spare																									
11 L3	Spare																									
12 L3	Spare																									
13 L3	Spare																									
CODE TYP WIR	E OF insulated/sheathed	B C Thermoplastic Thermoplastic cables in cables in metallic conduit nonmetallic conduit				C	D rmoplastic ables in Ilic trunking	j r		E rmopl ables tallic t	in		F Thermop /SWA c								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.

03-021-02-016B-DB1

3 L1 - Wasp nest in loft

Approximate Submains Lengths

GENERAL COMMENTS General Comments for the Installation or Inspection of the report: Approximate Submains Lengths (To listed distribution boards) -03-021-00-002A-MP1 03-021-00-008B-DB1 - 10M 03-021-01-016D-DB1 - 15M 03-021-02-016B-DB1 - 20M 03-021-000-025-DB1 - 10m 03-021-000-Garage-DB1 - 20m 03-021-000-046-DB1 - 10m 03-021-000-045-DB1 - 10m Ref: 69727

CONTINUATION FOR GENERAL COMMENTS

GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Switch Panel Check List.

Building Name: Emscote Building Code: 03.021

Switch Panel: 03-021-00-002A-MP1

Switch Panel Checklist:

Items That have been inspected are listed below:

Check for missing structural/IP panel parts or damage to panel.

Check for labelling/ identification is in place.

Check that correct fuses have been installed for each fuse carrier. An air gap should be present between each fuse.

Ref: 69727

Check that all shields over terminals are not damaged in situ.

Check torque of fuse terminals to identify any damaged threads resulting in loose high resistance terminals or over tightened bolts.

Carry out an examination of terminals and cables using heat gun on full load (agreed Limitation)

General Notes:

Main Incomer Inspection: Labelling / Identification: Yes

Fuse Rating: 250 Shields in Place: Yes Torque of terminals: Yes

Notes:

Switch Fuse Inspection: Labelling / Identification: Yes

Fuse Rating: 250 Shields in Place: Yes Torque of terminals: Yes

Notes:

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.