ELECTRICAL INSTALLATION CONDITION REPORT Requirements For Electrical Installations - BS 7671

2023-0651 Certificate Number:

1 DETAI	LS OF THE PERSON ORDERING THE REPOF	RT _
Client:	WESSEX RFCA	
Address:	777	

REASON FOR PRODUCING THIS REPORT

Reason for producing this report:

SAFETY ASSESSMENT REQUESTED BY THE CLIENT TO ASCERTAIN THE "IN SERVICE" CONDITION OF THE FLECTRICAL INSTALLATION IN LINE WITH THE FLECTRICAL SAFETY STANDARDS.

Date on which inspection and testing was carried out: 20/09/2023

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

CAMBORNE PLATOON, NORTH ROSKEAR ROAD., CAMBORNE., CORNWALL, TR14 8PU Installation Address:

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

Evidence of additions/ 20 years Yes if yes, estimated age: Estimated age of wiring system: alterations:

20/09/2023 Installation records available? (Regulation 651.1) Nο Date of last inspection:

EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

FIXED INSTALLATION AT THE ABOVE ADDRESS INCLUDING 80% SAMPLES OF ACCESSORIES, 100% DISTRIBUTION BOARDS EARTHING/PROTECTIVE BONDING CONDUCTORS AND FINAL DISTRIBUTION CIRCUITS IN ACCORDANCE WITH ITEM 3.8 OF GUIDANCE NOTES 3

Agreed limitations including the reasons (see Regulation 653.2):

CHARACTERISTICS OF PRIMARY OVERCURRENT DEVICE AS UNABLE TO WITHDRAW AT TIME OF TEST. THE INSTALLATION AND SUPPLY TO THE NEW WERNICK BUILDING IS NOT COVERED IN THIS REPORT AS IS A NEW BUILDING AND IS COVERED BY THE INSTALLATION CERTIFICATE DONE BY OTHER CONTRACTORS.

CLIENT Agreed with:

Operational limitations including the reasons:

ALL ZS READINGS WERE CALCULATED USING THE ZS AT THE D/B WITH THE R1+R2 READINGS OBTAINED TO LIMIT THE TIME OF LIVE WORKING. THERE ARE SOME LIMITATIONS TO THE INSULATION RESISTANCE TESTING DUE TO VOLTAGE SENSITIVE EQUIPMENT ATTACHED WHICH COULD NOT BE REMOVED AT THE TIME OF THE TEST.

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 2022.

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

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.

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 or change of tenant/owner 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.

years

7_0	BSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN
	rring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1 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

tem No	Observa	tions	Classification Code
1	D/B SHOOTING RANGE HAS A 100ma AC TYPE ROFROM D/B1 CCT6L3 WHICH IS PROTECTED BY A CASCADING- POTENIAL SELECTIVITY ISSUES		C3
2	METAL CLAD SOCKET IN SHOOTING RANGE ONE REPLACING	SIDE HAS VERY HIGH LOOP READING NEEDS	C2
3	THERE IS NO SURGE PROTECTION TO THE INSTA	ALLATION	С3
4	D/B GARAGE CCT 6 LIGHTS HAVE BEEN DISCONN THE OFFICE HAS BEEN REMOVED AND ALL THE C		NOTE
5	IN THE GARAGE AREA THERE IS A LARGE SECTION LOOSE WHERE PART OF THE BUILDING HAS BEEN LID IS MISSING		C2
6	D/B GARAGE CCT5 IS A 30ma RCBO WHICH IS CA IS ALSO 30ma- POTENIAL SELECTIVITY ISSUES	ASCADING WITH THE SUBMAIN RCBO WHICH	C3
	ne following codes, as appropriate, has been allocated to ble for the installation the degree of urgency for remedia		the person(
Dang Risk	ger Present of injury. Immediate edial action required C2 Potentially dangerous Urgent remedial action required	C3 Improvement FI Further inv	estigation ithout delay
mmedia	ate remedial action required for items: N/A		
rgent re	remedial action required for items: 2, 5		
mprove	ement recommended for items: 1, 3, 6		
	investigation required for items: N/A		

8 GENERA												
General condition THE INSTALLA SATISFACTOR	TION IS IN				J .	/ MINOR C	CORRECT	IONS N	NEEDED	TO O	BTAIN A	A
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DE01.45	4-FLOW											
9 DECLARA I/We, being the		esponsible	for the insi	pection and te	esting of the	e electrical	installatio	n (as ir	ndicated	by my/	our/	
signatures below inspection and te provides an accu in section 4 of th	r), particulars esting, hereby irate assessm	of which a y declare th	re describe nat the info	ed above, havi ermation in thi	ing exercise s report, in	ed reasonal cluding the	ıble skill ar e observat	nd care ions an	when ca d the att	arrying tached	out the schedul	
Trading Title:	DAVEY AND	D GILBERT	Γ LTD									
Address:	UNIT 1 PEN		RIAL ESTA	TE		Registra	ation Num cable):	ber	22449)		
	ROSPEATH			_		Telepho	one Numbe	er:	01736	3327	49	
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For the INSPEC	CTION, TEST	ING AND			eport:							
	R S. GILBER		osition:	ELECTRICI		ignature:	5.	these	5	Date:	20/09/	2023
Report reviewe			issue by:					tbert htti				
Name:	MR P. EDDY	Po	osition: Q	UALIFIED SUPE	RVISOR S	ignature:		Jeblý :		Date:	22/09/	2023
10 SUPPLY	CHARACT	ERISTI	CS AND	EARTHING	G ARRAN	IGEMEN	TS					
10 SUPPLY Earthing Arrangements	ı	er and Type	e of Live Co	nductors	ı ! Nature !	of Supply I		rs I	Supply	Protec	tive Dev	rice
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pipes:

steel:

To structural

Connection/

N/A

Main protective bonding conductors

Copper

Conductor

material:

To other service(s):

N/A

12 II	ISPECTION SCHEDULE	
Item	Description	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the rep the appropriate authority	ort informs
1.1	Service cable	Pass
1.2	Service head	Pass
1.3	Earthing arrangements	Pass
1.4	Meter tails	Pass
1.5	Metering equipment	Pass
1.6	Isolator (where present)	N/A
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED 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)	Pass
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	Pass
3.1.3	Adequacy of earthing conductor connections (542.3.2)	Pass
3.1.4	Accessibility of earthing conductor connections (543.3.2)	Pass
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)	N/A
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A
3.1.7	Accessibility of all protective bonding connections (543.3.2)	N/A
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)	Pass
3.2	FELV - requirements satisfied (411.7; 411.7.1)	Pass
4.0	OTHER METHODS OF PROTECTION (where any of the methods listed below are employed details sh provided on separate sheets)	ould be
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	Pass
4.3	Electrical separation (Section 413; 418.3)	Pass
4.4	Double insulation (Section 412)	Pass
4.5	Reinforced insulation (Section 412)	Pass
5.0	DISTRIBUTION EQUIPMENT	
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	Pass
5.2	Security of fixing (134.1.1)	Pass
5.3	Condition of insulation of live parts (416.1)	Pass
5.4	Adequacy/security of barriers (416.2)	Pass
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	Pass
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	Pass
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	Pass
5.8	Presence and effectiveness of obstacles (417.2)	Pass
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	Pass
5.10	Operation of main switch(es) (functional check) (643.10)	Pass
5.11	Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (643.10)	Pass
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	Pass
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)	Pass
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	Pass
OUTCON Accepta	blo I Illinescentable I Improvement I Further I Net I	Not INCA
conditi		plicable N/A

12 IN	ISPECTION SCHEDULE (CONTINUED)	
Item	Description	Outcome
5.15	Presence of RCD six-monthly test notice, where required (514.12.2)	Pass
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	Pass
5.17	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A
5.18	Presence of next inspection recommendation label (514.12.1)	Pass
5.19	Presence of other required labelling (please specify) (Section 514)	N/A
5.20	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	Pass
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
5.22	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	Pass
5.23	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	Pass
6.0	DISTRIBUTION CIRCUITS	
6.1	Identification of conductors (514.3.1)	Pass
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	Pass
6.3	Condition of insulation of live parts (416.1)	Pass
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
6.6	Cables correctly terminated in enclosures (Section 526)	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	Pass
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	Pass
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	Pass
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50mm from a surface, ar partitions containing metal parts:	nd in
6.15.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or	Pass
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)	Pass
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
6.17	Band II cables segregated/separated from Band I cables (528.1)	Pass
6.18	Cables segregated/separated from non-electrical services (528.3)	Pass
6.19	Condition of circuit accessories (651.2)	C2
6.20	Suitability of circuit accessories for external influences (512.2)	Pass
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
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)	Pass
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)	Pass
6.24	General condition of wiring systems (651.2)	Pass
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	Pass
7.0	FINAL CIRCUITS	
7.1	Identification of conductors (514.3.1)	Pass
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	Pass
7.3	Condition of insulation of live parts (416.1)	Pass
OUTCOM Acceptal condition	ole DASS Unacceptable C1 as C2 Improvement C2 Further FI Not Not Not Improvement Not Not	lot icable N/A

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12 IN	SPECTION SCHEDULE (CONTINUED)	
Item	Description	Outcome
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	Pass
7.11	Cables concealed under floors, above ceilings, in walls/partitions, adequately protected against dar (522.6.201; 522.6.202; 522.6.203; 522.6.204):	nage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)	LIM
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)	LIM
7.12	Provision of additional protection by 30mA RCD:	
7.12.1	For all socket-outlets of rating 32A or less, unless an exemption is permitted (411.3.3) *	Pass
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	Pass
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *	Pass
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *	Pass
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 been provided with RCDs for addition protection.	al
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
7.14	Band II cables segregated/separated from Band I cables (528.1)	Pass
7.15	Cables segregated/separated from non-electrical services (528.3)	Pass
7.16	Termination of cables at enclosures – identify/record numbers and locations of items inspected (Se 526):	ction
7.16.1	Connections under no undue strain (526.6)	Pass
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)	Pass
7.16.3	Connections of live conductors adequately enclosed (526.5)	Pass
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	Pass
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	C2
7.18	Suitability of accessories for external influences (512.2)	Pass
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	Pass
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)	Pass
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	Pass
8.1.3	Capable of being secured in the OFF position (462.3)	Pass
8.1.4	Correct operation verified (643.10)	Pass
8.1.5	Clearly identified by position and/or durable marking (537.2.6)	Pass
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)	Pass
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	Pass
8.2.3	Capable of being secured in the OFF position (462.3)	Pass
8.2.4	Correct operation verified (643.10)	Pass
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	Pass
OUTCOM Acceptal conditio	ole DASS Unacceptable C1 or C2 Improvement C2 Further FI Not NAV Limitation LIM	Not N/A

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12 11	ISPECTION SCHEDULE (CONTINUED)	
Item	Description	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)	Pass
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	Pass
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Condition of equipment in terms of IP rating etc (416.2)	Pass
9.2	Equipment does not constitute a fire hazard (Section 421)	Pass
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	Pass
9.4	Suitability for the environment and external influences (512.2)	Pass
9.5	Security of fixing (134.1.1)	Pass
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)	Pass
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)	N/A
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
10.3	Shaver supply units 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)	N/A
10.5	Low voltage (e.g. 230 V) socket-outlets sited at least 2.5m from zone 1 (701.512.3)	N/A
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A
10.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspect	ions)
11.1	N/A	N/A
11.2	N/A	N/A
11.3	N/A	N/A
11.4	N/A	N/A
11.5	N/A	N/A
12.0	PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S) Where the installation includes additional requirements and recommendations relating to Chapter 82, additional items should be added to the checklist below.	
12.1	N/A	N/A
12.2	N/A	N/A
12.3	N/A	N/A
12.4	N/A	N/A
12.5	N/A	N/A
nspectal name: DUTCON Acceptal	MES	0/09/2023
conditio		licable N/

Г	DISTRIBU [*]	TION BC	ARD DE	ΕΤΑΙ	LS																										
DB r	eference:	DB	1 (ME	MSF	HEL	D3)			Lo	cation: 0	UTSID	E ENCI	OSURE	AT THE	E END OF THI	E SHOOT	ING RA	ANG	Supp	olied f	from:					Ori	gin				
Distrib	ution circuit (OCPD: BS	6 (EN):			SUP	PLY (CUT	-OU	Γ			Type:	L	LIM	Rati	ng/S	Settir	ng:	LIM	ΙA		No	o of p	hases		3				
SPD D	etails: Types	s: T1	N/A	T2	N/A	Т	.3 l	N/A	N	/A N/	Α				indicator					N/A	4										
	mation of sup									e sequenc			✓ Iui	ictioi	nality inc	licator	pres	sent,)			Zs at	+ DR·	1	3.74	,		pf at	DR:	1 (6 kA
				- T A I																		25 a			J. / + <u>s</u>		<u>'</u>	ргас	ВВ.	1.0	
	CHEDULE	OF CIRC	JULI DE	<u> I AI</u>	LS.		CUITE			UL15													7	TEST D	ESULT	DETAIL	ς.				
/					Conc	ductor d		JETAI	(S)	Overcur	rent p	orotec	tive dev	rice		RCD				Con	tinuity	(Ω)	'		ation res		.5	Zs	R	CD	AFDD
					р		Num	nber			Τ.								Ring	final ci		R1+	+R2								
ber	Circ	cuit description	1	lng	netho	p		3120	nect ti				7	(v) sz			ating ()					-		3	(MR)	(MΩ)	⊋	(G	uo	tick)	butto tick)
t num				of wiri	nce r	er of serve	nm²)	1m ²)	isconi tted b	2		€	ing ity (kA)	num tted Z	9		opera	€	(e)	utral)	(C)	2		oltage	- Live (MΩ)	Earth	y (tic	mnu nred (ms)	utton tion (al test tion (1
Circuit number				Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Type	Rating (A)	Breaking capacity (Maximum	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live -	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	п		"																					500	> 200						
1 L2	WERNICK BUI		Γ																			500	> 200	> 200							
	INCLUDED IN	TEST)																													
1 L3	"		"																					500	> 200	> 200					
2 L1	SPARE																														
2 L2	SPARE																														
2 L3	SPARE																														
3 L1	SPARE																														
3 L2	SPARE																														
3 L3	SPARE																														
CODE	S FOR The	A ermoplastic		B C Thermonlastic Thermonlastic							lastic		The	E ermopl	lastic		F			G				1			(O - Otl	ner		
TYP		ted/sheathed cables								cables metallic tru	in	,	(ables			noplas A cabl			ermoset WA cab		in	Min sulate	eral d cable	es	SP	LIT	CON	CENT	TRIC	
Ĺ	DETAILS O	F TEST I	INSTRU	IMEN	NTS																										
		truments us	used (serial and/or asset numbers)																												
	unctional:			2745002						nsulation								-					ntinu	ity:				-			
Earth 6	electrode resi	stance:	-							arth faul	t loo	p im	pedar	ice:				-				RCI	D:					-			
T	ESTED BY																	,													
Nam	e:	MR S. GILBERT Position:								ELECT	RIC	IAN			Sign	nature	:			5 f	the	TO	•			Dat	e:	20	0/09/	2023	3

S	SCHEDU	ILE OF CIRC	UIT DE	TAI	LS	<u>ANE</u>) TE	ST	RES	ULTS																					
DB r	eference:	DB 1	l (MEI	MSH	IIEL	D 3])		Loc	cation: 0	JTSIDE	ENCL	OSURE .	AT THE I	END OF THE S	SHOOTIN	NG RAN	NG	Supp	olied f	rom:					Ori	gin				
						CIR	CUIT	DETAI	ILS														Т	EST R	ESULT	DETAIL	S				
					Cond	ductor o			(s)	Overcur	ent p	rotecti	ive dev	vice		RCD				Con	tinuity	(Ω)		Insula	ation res	sistance		Zs	RO	CD	AFDE
					po		Nur and	nber size	time 7671										Ring	final ci	rcuit	R1- or	R2 R2								ton
Circuit number		Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (M $lpha$)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L1	SPARE																														
4 L2	SPARE																														
4 L3	SPARE																														
5 L1	SPARE																														
5 L2	SPARE																														
5 L3	SPARE																														
6 L1	SPARE																														
6 L2	GARAGE			F	С	1	10	10	1	61009	С	45	10	1667	61009	А	30	45	N/A	N/A	N/A	0.12	N/A	500	>500	>500	~	13.86	17.6	~	N/A
6 L3	SHOOTING	G RANGE		0	С	1	16	16	1	61009	В	40	10	1667	61009	А	30	40	N/A	N/A	N/A	0.05	N/A	500	>500	>500	~	13.79	17.6	~	N/A
0000	C 505	A	В	-1		~	С			D	4.7			Ε	-41-		F			G			F	1			(O - Oth	er		
TYP	S FOR E OF i	FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Cables in Ca									in		C	ermopla ables in etallic tr	n	Thermo				ermoset WA cab		in	Mine sulate	eral d cable	es	SP	LIT (CON	CENT	RIC	

ſ	DISTRIBUTION	I BOARD DE	TAI	LS																										
DB r	eference: DB SH	OOTING RAN	NGE	(C)LD I	HAG	ER)	Lo	cation: S	HO	NITC	IG R	ANGE	ADJAC	ENT	DOC	R	Supp	olied f	from	:			D/	′B 1 C	CT <i>6</i>	L3			
Distrib	ution circuit OCPD:	BS (EN):				61	009				-	Гуре	:	В	Rati	ng/S	ettir	ıg:	40	Α		No	of p	hases:	:	1				
SPD D	etails: Types:	T1 N/A	T2	N/A	Т	T3	N/A	Ν	I/A N/A	4				ndicator		•			N/A	4										
	mation of supply po							hase	e sequenc			nui N/A	ICTION	ality indi	Cator	pres	serit)				Zs a	+ DR·	1	4.51 <u>c</u>			pf at	DR:	2 .	7 kA
	11.31	,	T 4 1							.e													- 1	7.012			Ji at	<u>. </u>	2.1	/ NA
	CHEDULE OF (CIRCUIT DE	IAI	LS.		CUIT			ULIS													т	EST D	ESHIT	DETAIL	<u> </u>				
/				Conc	ductor o		DETAI	(S)	Overcur	rent p	rotect	ve dev	/ice		RCD				Con	tinuity	' (Ω)			ation res		,	Zs	R	CD	AFDD
				ō			nber size											Ring	final ci	ircuit	R1- or	 探								LC
nber	Circuit desc	cription	ring	Reference method	/ed		5,20	Max disconnect time permitted by BS7671				3	(a) sZ			Rated operating current (mA)) je (V)	(MΩ)	Live - Earth (M $lpha$)	(K)	(v)	tion	Test button operation (tick)	Manual test button operation (tick)
Circuit number			of wiring	ence	Number of points served	(mm ²)	(mm ²)	discor	(EN)		Rating (A)	Breaking capacity (kA)	Maximum permitted	(EN)		d oper	Rating (A)	(line)	r _n (neutral)	pc)	22		Test voltage (V)	- Live (MΩ)	- Eart	Polarity (tick)	Maximum measured	Disconnection time (ms)	butto	al tes
Circu			Туре	Refe	Num	Live	cbc (Max	BS (I	Туре	Ratir	Brea	Maxi	BS (I	Туре	Rate	Ratir		rn (n	r2 (cpc)	R1+R2	R ₂	Test	Live	Live	Polar	Maxi meas	Disco	Test	Manu
RCD	BOA 100ma AC TYPE	(4 MODULE)																												
1	SPARE																													
2	TSSO NEXT TO D/B		В	Α	1	4	2.5	0.2	3871	2	16	6	1.56	61009	А	30	40	N/A	N/A	N/A	0.12	N/A	500	>500	>500	~	14.63	19.9	~	N/A
3	HEATER POINT NEAR	R D/B	В	Α	1	4	2.5	0.2	3871	2	16	6	1667	61009	Α	30	40	N/A	N/A	N/A	0.14	N/A	500	>500	>500	~	14.65	19.9	~	N/A
4	HEATER POINT OPPO	OSITE D/B	В	Α	1	4	2.5	0.2	3871	2	16	6	1667	61009	А	30	40	N/A	N/A	N/A	0.11	N/A	500	>500	>500	~	14.62	19.9	~	N/A
5	LIGHTS SHOOTING E	END	В	Α	4	1.5	1.5	0.2	3871	2	6	6	1667	61009	Α	30	40	N/A	N/A	N/A	0.60	N/A	500	LIM	403	~	15.11	19.9	~	N/A
6	OUTSIDE LIGHT		В	Α	1	1.5	1.5	0.2	3871	2	6	6	1667	61009	А	30	40	N/A	N/A	N/A	0.16	N/A	500	LIM	75.3	~	14.67	19.9	~	N/A
7	UNKNOWN CIRCUIT	•	А	В	LIM	2.5	1.5	0.2	60898	В	16	6	1667	61009	А	30	40	N/A	N/A	N/A	LIM	LIM	500	LIM	>500	LIM	LIM	19.9	~	N/A
	TO ARMOURY WHHICACCESS TO)	CH WE HAD NO																												
8	FANS		В	A	4	1 5	1.5	0.2	3871	2	6	6	1667	61009	A	30	40	NI/A	NI/A	NI/A	0.50	NI/A	500	>500	> 500	·	15.01	10.0	~	N/A
- 0	TANS		Ь		4	1.5	1.3	0.2	3071			0	1007	01009	^	30	40	IV/A	IV/A	IN/A	0.30	IV/A	300	>300	>300		13.01	17.7	,	IVA
	S FOR Thermoplas E OF insulated/shea		plastic			C ermopl			D Thermopl				E ermopla		Therr	F noplas	tic	The	G ermoset	tting		Min				C	O - Oth			
	RING cables	metallic o		t		cables etallic		it	cables metallic tru				cables ir etallic tr			A cable			WA cat		in	sulate	d cable	:S			N/A			
	ETAILS OF TE						,																							
	ills of test instrumer functional:	nts used (serial		or as 4500		umbe	ers):	L	nsulation	resis	stanc	۵.					_				Cor	ntinu	itv.				_			
	electrode resistance		_,	1000	<i>,</i>				arth fault				nce.								RC		ıty.							
		·							a. a. radit			Jaul	.50.														-			
	ESTED BY	T GILBERT			Doo!+!	 .		_	lectrical	Tool	anici	o n		Clava	otur-										Det		20)/09/.	2025)
Nam	SCO1	I GILDEKI		ŀ	Positio	JIT:		Е	iectifical	ıeci	HIICI	all		Sign	ature										Date	<i>3</i> .	20	1/07/	ZUZ3	י

S	CHED	CHEDULE OF CIRCUIT DETAILS AND TEST RESULTS ference: DB SHOOTING RANGE (OLD HAGER) Location: SHO																													
DB r	eference	: DB SHOOTI	NG RAN	IGE	(C	LD F	HAG	ER)	Lo	cation: S	SHOC	OTIN	G R	ANGE	ADJACE	NT [000	R	Supp	lied f	from:				D/	'B 1 C	CT 6	L3			
						CIR	CUIT	DETAI	LS														Т	TEST R	ESULT I	DETAIL:	S				
					Cond	luctor d	letails		(s)	Overcur	rent p	rotecti	ve dev	vice		RCD				Con	tinuity	(Ω)		Insula	ation res	istance		Zs	RC	D	AFDD
					ō			mber size	ime 7671										Ring	final ci	ircuit	R1+ or	影								u C
Circuit number		Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (Ma)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
9	HALOGE	N LIGHTS TARGET E	END	В	Α	3	1.5	1.5	0.2	3871	2	6	6	1667	61009	Α	30		N/A	N/A	N/A	0.62	N/A	500	LIM	227	•		19.9		N/A
CONTA	CTOT FO	R TARGET LIGHTS F	ROM LOW	ER DO	OOR S	SWITC	Н																								
CODF	S FOR	A Thermoplastic	B Thermop	olastic		The	C ermopl	astic		D Thermopl	astic		The	E ermopla	stic		F .			G							() - Oth			
TYP		FOR Thermoplastic Thermoplastic Thermoplastic OF insulated/sheathed cables in cables in					t	cables metallic tru	in		(ables in	1	Therm /SWA				rmoset WA cat		in	Mine sulate	eral d cable	s			N/A	ı				

C	DISTRIBUTION	BOARD DI	ΕΤΑΙ	LS																										
DB r	eference:	ARA	GE				Lo	cation:			REA	R OF	GARAGE	AGE				olied fi	rom:				D/	D/B 1 CCT 6L2						
Distrib	ution circuit OCPD:				61	009				-	Гуре:	(C	Rating/Setting				45	Α		No	o of p	hases	:	1					
SPD Details: Types: T1 N/A				N/A	Т	T3	N/A	N	/A N/A	١					tor checked (where				N/A											
	· ·											iction	anty man	indicator present)							+ DD-	10.400			lpf at DB:			0.99 kA		
	Confirmation of supply polarity Confirmation of phase sequence											N/A Zs at DB: 19.49Ω													'	ргас	JБ.	0.7	7 KA	
SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS CIRCUIT DETAILS TEST RESULT DETAILS															DETAIL															
			Conductor details					Overcurr	ent n	rotecti	ve dev	rice		RCD									Insulation resistance			Z _S RC		חי	AFDD	
				1	Number			me 571 (s)	Overcuit	lent pi	Totecti	VC GC	icc		TOD TO			Ring	Ring final circuit			R1+R2 or R2		HIOHTE	Istarice	_	25	INC.		
Jec.	Circuit description			Reference method	7	and	size	ect tir / BS7					(G)			ting				Junt	OI	K2	3	(aN	(MΩ)	0	<u> </u>	5	송	Manual test button operation (tick)
numk	E Circuit description		of wiring	m eou	er of served	1m ²)	(mm ²)	sconn ted by	=		3	Jg Sy (kA)	um ted Zs			Rated operating current (mA)	€	<u></u>	r _n (neutral)				Test voltage (V)	- Live (Ma)	Earth (ΜΩ)	Polarity (tick)	um red (Ω)	Disconnection time (ms)	button ation (tick)	l test on (ti
Circuit description			Type o	eferei	Number points se	Live (mm ²)	cpc (m	Max disconnect time permitted by BS7671	BS (EN)	Type	Rating (A)	Breaking capacity (Maximum	BS (EN)	Type	ated	Rating (A)	r1 (line)	ו) (net	r2 (cpc)	R1+R2	R2	est vo	Live - I	Live - E	olarity	Maximum measured (isconi me (r	Test bu	lanual
1	HEATER 1		A	B	1	2.5	1.5		60898	В	16	10	≥ <u>a</u> 1667	61009	A	30	45	N/A			0.59	N/A	500	>500			20.08		→ 0	N/A
2	HEATER 2		A	В	1	2.5	1.5		60898	В	16	10	1667	61009	A	30	45	N/A				N/A			>500	~	19.7	14.6	~	N/A
3	HEATER 3		A	В	1	2.5	1.5	0.2	60898	В	16	10	1667	61009	A	30	45	N/A	N/A	N/A	0.27	N/A	500	>500	>500	~	19.76	14.6	~	N/A
4	4 HEATER 4 + TIMER SWITCH				2	2.5	1.5	0.2	60898	В	16	10	1667	61009	A	30	45	N/A	N/A	N/A	0.34	N/A	500	>500	>500	~	19.83	14.6	~	N/A
5	SOCKETS		А	В	2	2.5	1.5	0.2	61009	В	16	10	1667	61009	А	30	16	N/A	N/A	N/A	0.41	N/A	500	>500	>500	~	19.9	16.9	~	N/A
6	6 LIGHTS (DISCONNECTED AT TIME			-	-	-		0.2	60898	В	6	10	1667	61009	А	30	45	N/A	N/A	N/A	-	-	-	-	-	N/A	-	-	~	N/A
OF TEST)																														
7	SPARE																													
8	SPARE																													
9	SPARE																													
CODE	A S FOR Thermoplas	3 oplastic	colastic Thermoplastic					D Thermopla	estic		The	E	stic	F			G				H			O - Other						
TYP	TYPE OF insulated/sheathed cables WIRING cables metallic c					cables etallic	in	it	cables i metallic tru	n	cables in			1		noplas A cable			ermosett WA cabl		in	Mine sulate	eral d cable	es			N/A	ı		
	ETAILS OF TE	ST I NSTRU	IMEI	NTS										<u> </u>							<u>'</u>			<u> </u>						
	ils of test instrumer		and/	or as	set n	umbe	ers):																							
Multi-functional:			27	2745002					nsulation	resis	stanc	e:			-							Continuity:			-					
Earth electrode resistance:				-				Е	arth fault	loop	imp	edar	ice:				-				RCD:				-					
T	ESTED BY																													
Nam	e: MR S			Positio	on:			ELECTRICIAN						Signature:										Date	e:	20	/09/	2023	3	

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS																															
DB re	eference:		DB G	ARA	GE				Loc	cation:	REAR OF GARAGE								Supplied from: D/B 1 CCT 6L2												
						CIR	CUIT	DETAI	LS										TEST RESULT DETAILS												
					Cond	nductor details			(\$)	Overcur	rrent protective device					RCD			Continuity (Insul	ation res	esistance		Zs	RC	D	AFD
					po		Nun and	nber size	time 37671										Ring final circuit			R1- or	R1+R2 or R2								ton
Circuit number	Circuit description			Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r ₁ (line) r _n (neutral)	r _n (neutral)	r2 (cpc)	R1+R2	R ₂	Test voltage (V)	Live - Live (MΩ)	Live - Earth (MΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test but
10	SPARE																														
11	SPARE																														
12	SPARE																														
13	SPARE																														
14	SPARE																														
15	SPARE																														
16	SPARE																														
CODES FOR Thermoplastic		Thermo	B C Thermoplastic Thermoplastic						D Thermopl	E plastic Thermoplastic						F			G			H				() - Oth	er			
TYPE OF insulated/		insulated/sheathed cables	cable	cables in cables i metallic conduit nonmetallic c					it	cables metallic tru	in			cables in metallic trunking		Thermoplastic /SWA cables			Thermosetting /SWA cables				Min sulate	eral d cable	es	N/A					

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 (see Section 7).
- 2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results
- 3. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 4. 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.
- 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 CI (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 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 CI 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 7).
- 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 7 of the Report under Recommendations.
- 11. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed.
- 12. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should. be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.
- 13. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.
- 14. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.