

This certificate is not valid if the serial **26837142** number has been defaced or altered

ICN18C

### **ELECTRICAL INSTALLATION CERTIFICATE**

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION											
DETAILS OF THE CONTRACTOR         Registration No: 502605000         Branch No*: 000         Trading Title: TNA Electrical Ltd         Address: Unit 13 Heritage Park, Hayes Way, Cannock, Staffordshire	DETAILS OF THE CLIENT Contractor Reference Number (CRN): E468 Name: Holloway Head Girl Guides Apartment. Address: Winvic Construction Ltd, 19 Tenter Road, Moulton Park Industrial Estate, Northampton,	Address: 2 Brownsea Drive, Birmingham, West Midlands									
Postcode: WS11 7LT Tel No: 01543 425349	Postcode: NN3 6PZ Tel No: N/A	Postcode: B1 1WF Tel No: N/A									
PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE											
Date works completed: 09/02/2023       Description and extent of the installation covered by this certificate:         The installation is –       Complete new install to Girl Guides apartment including band 1 and 2 cables up to 230v.         New:       ()         An addition:       ()         An alteration:       (.N/A)         Replacement of a distribution board:       (.N/A)											
PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION	)N										
I/We, being the designer(s) of the electrical installation as documented in PART 4,	RECOMMEND that this installation is further inspected and tested after an in	nterval of not more than: 5 years/nXXXXX** (delete as appropriate)									
PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION	WORK (this option may be used where the design, construction, inspection &	& testing have been the responsibility of one person)									
DESIGN, CONSTRUCTION, INSPECTION & TESTING (The extent	of liability of the signatories is limited to the work detailed in PART 2)										
additionally where this certificate applies to an addition or alteration, having o	confirmed that the safety of the existing installation is not impaired, hereby CER	, having exercised reasonable skill and care when carrying out the design and TIFY that the design, construction, inspection and testing for which I have been detailed on attached page(s) () (Regulations 120.3, 133.1.3 and 133.5).									
• Permitted exception applied (411.3.3) XV&/NA Risk assessment attached	d: ( N/A Page No(s) ( N/A • Where selectivity is re-	quired, details of the verification appended (536.4): ( $\frac{N/A}{\dots}$ ) Page No(s) ( $\frac{N/A}{\dots}$ )									
Name (capitals): N/A	Signature:	Date:									
REVIEWED BY QUALIFIED SUPERVISOR											
Name (capitals):	Signature:	Date:									
*Where applicable ** The proposed date for the next inspection should take into consid The period should be agreed between relevant parties.	leration any legislative or licensing requirements and the frequency and quality of maintenance	that the installation can reasonably be expected to receive during its intended life.									
This certificate is based on the model forms shown in Appendix 6 of <i>BS 7671</i> Published by Certsure LLP Certsure LLP operates the NICEIC & ELECSA bra		Please see the 'Notes for Recipient' Page 1 of 8									



### **ELECTRICAL INSTALLATION CERTIFICATE**

PART 4 : DECLARATION FOR THE ELECTRI	CAL INSTALLATION WORK (to be c	ompleted where different pa	rties are responsible for the des	gn, construction, inspection & testing)					
<b>DESIGN</b> (The extent of liability of the signatories	is limited to the work detailed in PART 2)								
I/We being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with <i>BS 7671: 2018</i> , amended to									
• Permitted exception applied (411.3.3)XVes/NA	Risk assessment attached: ( <u>N/A</u> )	Page No(s) ( <mark>N/A</mark> )	• Where selectivity is re	quired, details of the verification append	ed (536.4): ( <mark>N/A</mark> ) Page No(s) ( <mark>N/A</mark> )				
DESIGNER 1		CARTER	Signature:	GCurter	Date:				
DESIGNER 2 (where there is divided responsibility	for design) Name (capitals): N/A		Signature:		Date:				
<b>CONSTRUCTION</b> (The extent of liability of the s	ignatory is limited to the work detailed in	<b>PART 2</b> )							
I, being the person responsible for the construction of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with <i>BS 7671: 2018</i> , amended to2020(date) except for the departures, if any, detailed on attached page(s) (									
Name (capitals): TNA ELECTRICAL		Signature:	TNA	Date:	09/02/2023				
INSPECTION & TESTING (The extent of liability)	ity of the signatories is limited to the worl	c detailed in PART 2)							
I, being the person responsible for the inspection and that the said work for which I have been responsible (Regulations 120.3 and 133.5).	testing of the electrical installation, particu is, to the best of my knowledge and belief, i	llars of which are described in n accordance with <i>BS 7671: 2</i>	n PART 2, having exercised reason 1018, amended to2020(dat	nable skill and care when carrying out the e) except for the departures, if any, detaile	inspection and testing, hereby CERTIFY d on attached page(s) (				
Name (capitals): ADAM GREEN		Signature:	AGREN	Date:	09/02/2023				
<b>REVIEWED BY QUALIFIED SUPERVISOR</b>		,	$1 1 \circ$						
Name (capitals): NEIL JONES		Signature:	V Jones	Date:	09/02/2023				
PART 5 : COMMENTS ON THE EXISTING I		ion on alternation and Romala	S C44.4.9						
PART 5. COMMENTS ON THE EXISTING I	<b>INSTALLATION</b> (In the case of an addition)	ion of alteration see Regulat	10N 644.1.2)						
None									
			Where r	necessary, continue on a separate numbe	red page: Page No(s) ( <mark>N/A</mark> )				
Where the electrical work to which this certificate re particular certificate(s) for the system(s).	lates includes the installation of a fire alar	m system and/or an emerger	ncy lighting system (or a part of s	uch systems), this electrical safety certifi	cate should be accompanied by the				



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Measured operating time: (40.1....) ms

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### ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

DESIGN, CONSTRUCTION,	DESIGN				TION	INSPECTION & TESTI	NG
INSPECTION & TESTING	DESIGNER 1	DESIGNER 2					
Organisation: N/A		Organisation: N/A		Organisation:	TNA Electrical Ltd	Organisation: TNA Electric	al Ltd
Registration No*: N/A					*. 502605000		
Branch No*: N/A	Branch No*:000	Branch No*: N/A		Branch No*: 00	0	Branch No*: 000	
Address:	Linit 13 Heritage Park	Address:		Address: Unit 1	3 Heritage Park	Branch No <sup>*</sup> : 000 Address: Unit 13 Heritage	Park
	Haves Way Cannock Staffordshire				annock Staffordshire	Hayes Way Cannock Stat	ffordshire
						Cardiff	
Postcode:	Postcode: WS11 7LT	Postcode:		Postcode: WS	11 7LT	Postcode: WS11 7LT	
Tel No:					425349	Tel No: 01543 425349	
Other <i>(state):</i> N/A Supply protective device BS (EN) <sup>60947-2</sup> Type: (	) Confirmat	3-phase, 3-wire: () <b>C</b> 2-wire: () 3-wire: () tion of supply polarity: rces of supply ( <i>as detailed on attached s</i>	) Other: (	N/A) ( <b>v</b> )	Nominal line voltage to Eart Nominal frequency, f <sup>(1)</sup> : Prospective fault current, I <sub>j</sub> External loop impedance, Z	(50) Hz (0.78) kA	by calculatio
PART 8 : PARTICULARS OF INSTA	ALLATION REFERRED TO IN THIS CERTI	FICATE					
Maximum demand (load): (200) XV (delete as approp Means of Earthing		Main protective bonding conne Water installation pipes: Gas installation pipes:	ctions () () ()	Main switch / S Type: Location:	Switch-fuse / Circuit-breake (BS (EN)	er / RCD ) or	)
Distributor's facility: (N/. nstallation earth electrode: (	A) Connection / continuity verified: (		(NA () (NA	No. of poles: Current rating:	(4) (100)	Rating / setting of device: Voltage rating:	( <sup>N/A</sup> ), ( <sup>400</sup> )
Where an earth electrode is used insert Type – rod(s), tape, etc: (Earth Rod	· · · · · ·	Lightning protection: m <sup>2</sup> ) Other <i>(state)</i> : N/A	(NA)		is used as the main switch lual operating current, $I_{\Delta n}$ :		( <sup>100</sup> ) ı

#### \*Where applicable

Location: (Adjacent to Generator

Electrode resistance to Earth:

(<sup>99.9</sup>)Ω

\*\* Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, Inf, and external earth fault loop impedance, Z<sub>a</sub>, must be recorded.

Connection / continuity verified:

Enter a ( $\checkmark$ ) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A This certificate is based on the model forms shown in Appendix 6 of BS 7671 Certsure LLP operates the NICEIC & ELECSA brands Published by Certsure LLP @ Copyright Certsure LLP (July 2018) Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

Rated time delay:

(N/A ....) ms



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### **ELECTRICAL INSTALLATION CERTIFICATE**

**Original** (to the person ordering the work) Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PART 9 : SCHEDULE OF ITEMS INSPECTED – continues on next page											
1. External condition of electrical intake equipment (visual inspection o	ly)   3.3 FELV – requirements satisfied:	(N/A) 7.15 Indication of SPD(s) continued functionality confirmed:									
1.1 Service cable: () 1.2 Service head: (		(									
1.3 Earthing arrangement: () 1.4 Meter tails: (		correct type and rating:									
1.5 Metering equipment: () 1.6 Isolator (where present): (	) 4.1 The presence and effectiveness of additional protection methods	7.17 Single-pole protective devices in line conductors only:									
2. Parallel or switched alternative sources of supply	used, as follows:	7.18 Protection against mechanical damage where cables enter equipment:									
2.1 Presence of adequate arrangements where generator to operate	a) RCDs not exceeding 30 mA operating current, as specified										
as a switched alternative:	b) Supplementary bonding	(N/A) 7.19 Protection against electromagnetic effects where cables enter ferromagnetic enclosures:									
a) Dedicated earthing arrangement independent of that of	5. Basic protection (‡ For use in controlled / supervised conditions only)	7.20 Confirmation that ALL conductor connections, including									
the hanne subhix (	) 5.1 Presence and adequacy of protective measures to provide basic p										
2.2 Presence of adequate arrangements where generator to operate in parallel with public supply:	a) Insulation of live parts	protection:       connections to busbars, are correctly located in terminals         (									
a) Correct connection of generator in parallel	) b) Barriers or enclosures										
b) Compatibility of characteristics of means of generation (	c) Obstacles ‡	() 7.22 Presence of diagrams, charts or schedules at or near									
c) Means to provide automatic disconnection of generator in	d) Placing out of reach ‡	(									
the event of loss of public supply or voltage or N/	6. Basic and fault protection										
frequency deviation beyond declared values (		(									
d) Means to prevent connection of generator in the event of loss of public supply or voltage or frequency	b) PELV	() 7.25 Processes of other required labelling:									
deviation beyond declared values (											
e) Means to isolate generator from public supply	When used, provide details on a separate numbered page: Page No	$\frac{1}{2} \frac{1}{2} \frac{1}$									
2.3 Presence of alternative / additional supply warning notices at or near:	7. Distribution equipment	9.2 Cables correctly supported throughout with protection									
N/	) 7.1 Adequacy of working space / accessibility:	() against abrasion: (									
b) The meter position, if remote from origin	1 7.2 Security of fiving	V V V V V V V V V V V V V V V V V V V									
c) The consumer unit / distribution board to which the N/	7.3 Insulation of live parts not damaged during erection:	during installation:									
	) 7.4 Adequacy / security of barriers:	(									
d) All points of isolation of ALL sources of supply											
3. Automatic disconnection of supply	7.6 Enclosures not damaged during installation:	(									
3.1 Presence and adequacy of protective earthing / bonding arrangements	7.7 Presence and effectiveness of obstacles:	() 8.6 Suitability of containment systems (including flexible conduit):									
as follows:	7.8 Presence and operation (functional) check of main switch(es):										
a) Distributor's earthing arrangement or installation	7.9 Components are suitable according to assembly manufacturer's	• • • • • • • • • • • • • • • • • • •									
earth electrode arrangement (	) Instructions or literature:	regard to the type and nature of installation:									
b) Earthing conductor and connections (	7.10 Operation of circuit-breakers and RCDs to prove functionality:	() 9.0 Adaguagy of protective devices: type and fault current rating									
c) Main protective bonding conductors and connections (	) 7.11 RCD(s) provided for fault protection, where specified:	() for fault protection: (									
d) Earthing / bonding labels at all appropriate locations (	···· ··· ··· ··· ··· ··· ···· ··· ······	() 8.10 Adequacy of AFDD(s), where specified:									
3.2 Accessibility of:		() 8.11 Presence and adequacy of circuit protective conductors: (									
a) Earthing conductor connections (	) 7.14 Confirmation overvoltage protection (SPDs) provided,	, N/A , 8.12 Coordination between conductors and overload protective devices: (									
b) All protective bonding connections (	) where specified:	()									

Enter a ( $\checkmark$ ) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A This certificate is based on the model forms shown in Appendix 6 of BS 7671 Certsure LLP operates the NICEIC & ELECSA brands Published by Certsure LLP Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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ordering the

**Original** (to the person

### **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

#### PART 9 : SCHEDULE OF ITEMS INSPECTED 8.13 Wiring systems and cable installation methods / practices appropriate 8.24 Adequacy of connections, including cpcs, within 10. Current-using equipment (permanently connected) V ( 1 to the type and nature of installation and external influences: accessories and at fixed and stationary equipment: 10.1 Suitability of equipment in terms of IP and fire ratings: 8.14 Cables concealed under floors, above ceilings, 9. Isolation and switching 10.2 Enclosure not damaged / deteriorated during installation so V V in walls / partitions, adequately protected against damage: as to impair safety: 9.1 Isolators: V V 8.15 Cables installed in walls / partitions, installed in prescribed zones: ( V 10.3 Suitability for the environment and external influences: a) Presence and location of appropriate devices V 8.16 Provision of additional protection by RCDs having rated residual V 10.4 Security of fixing: b) Capable of being secured in the OFF position operating current $(I_{\Lambda n})$ not exceeding 30 mA: V 10.5 Cable entry holes in ceilings above luminaires, sized or sealed Correct operation verified (functional check) c) V a) For all socket-outlets with a rated current not exceeding so as to restrict the spread of fire: V d The installation, circuit or part thereof that will be isolated 32 A or less, unless exempt 10.6 Recessed luminaires (downlighters): is clearly identified by location and / or durable marking b) For supplies to mobile equipment with a current rating V V a) Correct type of lamps fitted e) Warning notice posted in situations where live parts not exceeding 32 A for use outdoors (..... V cannot be isolated by the operation of a single device b) Installed to minimise build-up of heat c) For cables concealed in walls / partitions at a depth of 1 1 V 9.2 Switching off for mechanical maintenance: 10.7 Provision of undervoltage protection, where specified: less than 50 mm V ~ a) Presence of appropriate devices 10.8 Provision of overload protection, where specified: d) For cables concealed in walls / partitions containing V V V metal parts regardless of depth b) Acceptable location (local or remote) 10.9 Adequacy of working space / accessibility to equipment: V e) For circuits supplying luminaires within domestic c) Capable of being secured in the OFF position 11. Special installations or locations V (household) premises only d) Correct operation verified (functional check) List below any special installations or locations which are part of the installation to 8.17 Provision of fire barriers, sealing arrangements so as be verified, and confirm that the additional requirements given in the respective e) The installation, circuit or part thereof to be disconnected V V to minimise the spread of fire: section of Part 7 are fulfilled: clearly identified by location and / or durable marking V Bathroom and En suite. V 8.18 Band II cables segregated / separated from Band I cables: 9.3 Emergency switching / stopping: V N/A 8.19 Cables segregated / separated from non-electrical services: a) Presence of appropriate devices N/A 8.20 Termination of cables at enclosures: b) Readily accessible for operation where danger might occur (.....) N/A V a) Connections under no undue strain c) Correct operation verified (functional check) (..... V No basic insulation of a conductor visible outside enclosure b) d) The installation, circuit or part thereof to be disconnected ..... N/A ~ c) Connections of live conductors adequately enclosed clearly identified by location and / or durable marking Details must be appended on a separate numbered page (see PART 10 below) V N/A d) Adequately connected at point of entry to enclosure e) Firefighter's switches present, where required: SCHEDULE OF ITEMS INSPECTED BY V 9.4 8.21 Suitability of circuit accessories for external influences: Functional switching: V **/** Name (capitals): ADAM GREEN 8.22 Circuit accessories not damaged during erection: a) Presence of appropriate devices ~ b) Correct operation verified (functional check) 8.23 Single-pole devices for switching or protection Date: 08/02/2023 V Signature: in line conductors only:

#### PART 10 : SCHEDULES AND ADDITIONAL PAGES

for the installation			Additional pages, inclu for additional sources	ding data sheets	Special installations or (indicated in item 11 ab		Continuation sheets				
Page No(s):	()	Page No(s):	(6)	Page No(s):	(.8)	Page No(s):	()	Page No(s):	(None)		
	The pages identified are an essential part of this certificate.										

7671 Enter a  $(\checkmark)$  or value in the respective fields, as appropriate. Where an item is not applicable insert N/A

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PA	RT 11 : SCHEDULE OF CIRCUIT	DETA	AILS A	ND TI	EST RE	SULT	S	Circuits	s/equipr	nent vu	Inerabl	e to dam	age whe	n testing	,											
CO	DES for Type of wiring (A) Thermoplastic insulated sheathed cables	/ (B)	l hermoplas netallic con	tic cables in duit	(C) The	nermoplastic on-metallic o	c cables in conduit	(D) <sup>Thermo</sup>	plastic cable trunking	<sup>es in</sup> (E	E) Thermopla	astic cables iı Ilic trunking	י <b>(F)</b> The	ermoplastic / S	SWA cables	(G) Thermo	setting / SWA o	ables (F	) Mineral-insu	lated cables	(O) othe	- state:	N/A			
'n	Circuit description	ß	hod	served		cuit ctor csa	tion 1)		Protective	device		RCD	rmitted alled evice*		Circu	iit impedanc	:es (Ω)		Insu	lation resis	tance	ty	easured earth impedance, Zs	RCD operating		est ttons
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served			Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, $l_{\Delta n}$	Maximum permitte Zs for installed protective device*		final circuit sured end t		All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured fault loop impeda	time	RCD	AFDD
			ä	Num	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≥ (s)			(A)	ぶ (kA)	(mA)	(Ω)	(Line) r <sub>1</sub>	(Neutral) <i>r<sub>n</sub></i>	(cpc) <i>r<sub>2</sub></i>	$(R_1 + R_2)$	$R_2$	(MΩ)	(MΩ)	(V)	(⁄)	(Ω)	(ms)	(√)	(√)
	RCD							61008		100		30													~	
1	Lounge, Kitchen lights	A	102	8	2.5	1.5	0.2	60898	С	6	10		1667				1.71		999	999	250	V	1.78			
2	Hob Supply	A	102	1	6	2.5	0.2	60898	В	32	10		1667				0.19		999	999	500	V	0.26			
3	Smoke alarm	A	102	6	1.5	1	0.2	60898	В	6	10		1667				1.42		999	999	250	V	1.49			
4	Bed/bathroom heaters	A	102	5	2.5	1.5	0.2	60898	В	20	10		1667				0.89		999	999	500	V	0.96			
5	MVHR, Purge fans	A	102	3	2.5	1.5	0.2	60898	В	20	10		1667				0.20		999	999	500	V	0.27			
6	Bedroom sockets	A	102	9	2.5	1.5	0.2	60898	С	20	10		1667				0.97		999	999	500	V	1.05			
7	Spare																									
	RCD							61008		100		30													~	
8	Bedroom lights, shaver sockets	A	102	10	1.5	1	0.2	60898	С	6	10		1667				1.56		999	999	250	V	1.63			
9	Lounge sockets	A	102	5	2.5	1.5	0.2	60898	С	20	10		1667				0.76		999	999	500	V	0.85			
10	Kitchen sockets	A	102	7	2.5	1.5	0.2	60898	С	32	10		1667	0.29	029	0.41	0.39		999	999	500	V	0.46			
11	Living room/kitchen panel heaters	A	102	2	2.5	1.5	0.2	60898	В	20	10		1667				0.49		999	999	500	V	0.56			
12	Spare																					-				
																										1
																										1
	STRIBUTION BOARD (DB) DETAI be completed in every case)								TEST	ED BY	Na Siç	ime (capi jnature:	tals): AD	am gri ARE	EEN						Electri 9/02/20					·····
то	BE COMPLETED ONLY IF THE			CON	VECTE	ם חו <b>פ</b>	FCTIV		ORIGI		THE IN		ΔΤΙΩΝ				TEST I	NSTRU	JMENT	S (enter s	serial nu	mber	against	each in	strument	t used)
	pply to DB is from: ( DBGG1														:: ( .1	.)	Multi-fu (51561			•		Conti /N/A	nuity:			
	ercurrent protection device for the dis									g: ( <sup>63</sup> ,100			6	<i></i>	40.1		Insulatio (N/A	on resis	tance:		)		fault lo	op impe		
As: Cha	sociated RCD (if any) Type: (BS EN aracteristics at this DB Confirmation o	f supply	y polarit	) y: (	) P	io. of po hase se	quence	) confirmed	<i>I</i> ر (where)	appropi	) mA riate): ( .	· · · · · · · · · ·	Uper Z <sub>s</sub> (0.07	ating tim ) Ω /	e (3.5 <sub>pf</sub> (3.5	) ms ) kA	Earth ele (N/A	ectrode	resistan	ce:	)	RCD: N/A				)
This c Publi	ertificate is based on the model forms shown ir shed by Certsure LLP Certsure	n Append LLP ope	dix 6 of <i>B</i> erates th	<i>S 7671</i> ie NICEI	Er IC & ELE	nter a (🗸	) or value	e in the respe @ Copy	ective field	ds, as ap	propriate	*W					tate source							)	Page 6 of	



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## **GENERAL CONTINUATION SHEET**

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#### NOTES

Bathroom and En suite. Additional protection provided by means of RCD protection.

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## **GENERAL CONTINUATION SHEET**

N18C

#### NOTES

Basic and fault protection

Shaver sockets installed to Girl Guides apartment bathrooms.

### **NOTES FOR RECIPIENT**

#### THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the user of the installation, you should pass this certificate, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, *BS 7671: 2018 (as amended) - Requirements for Electrical Installations* (the IET Wiring Regulations).

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 every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC\* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the main switchboard or distribution board indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC Electrical Installation Certificate.

The certificate, which consists of at least six numbered pages, is only valid if accompanied by the *Schedule of ltems Inspected* and the *Schedule of Circuit Details and Test Results*. The certificate has a printed serial number which is traceable to the Contractor to which it was supplied.

For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded on Page 6, one or more additional *Schedules of Circuit Details and Test Results*, should form part of the certificate.

This certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation, or for the replacement of a distribution board (or consumer unit). It should not have been issued for the inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such a periodic inspection.

This certificate should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to their NICEIC registration for such work.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be retained in a safe place and shown to any skilled person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new user that the electrical installation complied with the requirements of *BS 7671* at the time the certificate was issued.

The *Construction (Design and Management) Regulations* require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety documentation.

Page 1 and 2 of this certificate provide details of the electrical installation, together with the name(s) and signature(s) of the person(s) certifying the three elements of installation work: design, construction and inspection and testing, and page 3 identifies the organisation(s) responsible for the work certified by their representative(s).

Certification for inspection and testing provides an assurance that the electrical installation work has been fully inspected and tested, and that the electrical work has been carried out in accordance with the requirements of *BS 7671: 2018* (as amended) (except for any departures sanctioned by the designer and appended to the certificate).

Where responsibility for the design, the construction and the inspection and testing of the electrical work is divided between the Approved Contractor and one or more other bodies, the division of responsibility should have been established and agreed before commencement of the work. In such a case, NICEIC considers that the absence of certification for the construction, or the inspection and testing elements of the work would render the certificate invalid. If the design section of the certificate has not been completed, NICEIC recommends that you question why those responsible for the design have not certified that this important element of the work is in accordance with *BS 7671*.

Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems) in accordance with British Standards *BS 5839* and *BS 5266* respectively, this electrical safety certificate should be accompanied by a separate certificate or certificates as prescribed by those standards.

Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate), have reason to believe that any element of the work for which the Approved Contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with *BS 7671: 2018* (as amended), the client should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

\* NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).

For further information about electrical safety and how NICEIC can help you, visit www.niceic.com



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ICN18C

### **ELECTRICAL INSTALLATION CERTIFICATE**

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION											
DETAILS OF THE CONTRACTOR         Registration No: 502605000         Branch No*: 000         Trading Title: TNA Electrical Ltd         Address: Unit 13 Heritage Park, Hayes Way, Cannock, Staffordshire         Postcode: WS11 7LT         Tel No: 01543 425349	DETAILS OF THE CLIENT         Contractor Reference Number (CRN): E468         Name: Holloway Head Girl Guides Shop         Address: Winvic Construction Ltd, 19 Tenter Road,         Moulton Park Industrial Estate, Northampton,         Postcode: NN3 6PZ         Tel No: N/A	DETAILS OF THE INSTALLATION         Occupier: Girl Guides         Address: 51 Holloway Head, Birmingham, West Midlands         Postcode: B1 1QP         Tel No: N/A									
	PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE										
Date works completed:       02/02/2023       Description and extent of the installation covered by this certificate:         The installation is –       Complete new install to Girl Guides Shop including band 1 and 2 cables up to 230v.         New:       (NA)         An addition:       (NA)         An alteration:       (NA)         Replacement of a distribution board:       (NA)											
PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION	)N										
I/We, being the designer(s) of the electrical installation as documented in PART 4,	RECOMMEND that this installation is further inspected and tested after an in	terval of not more than: 5 years/rXXXXX*** (delete as appropriate)									
PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION	WORK (this option may be used where the design, construction, inspection &	testing have been the responsibility of one person)									
DESIGN, CONSTRUCTION, INSPECTION & TESTING (The extent of liability of the signatories is limited to the work detailed in PART 2)         I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with <i>BS 7671: 2018</i> , amended to _2020(date) except for the departures, if any, detailed on attached page(s) ( N/A) (Regulations 120.3, 133.1.3 and 133.5).         • Permitted exception applied (411.3.3) ****/NA       Risk assessment attached: ( N/A) Page No(s) ( N/A)       • Where selectivity is required, details of the verification appended (536.4): ( N/A) Page No(s) ( N/A)         Name (capitals):       N/A       Signature:											
REVIEWED BY QUALIFIED SUPERVISOR											
Name (capitals):	Signature:										
*Where applicable ** The proposed date for the next inspection should take into consid The period should be agreed between relevant parties.	leration any legislative or licensing requirements and the frequency and quality of maintenance t	that the installation can reasonably be expected to receive during its intended life.									
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### **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PART 4 : DECLARATION FOR THE ELECTRI	CAL INSTALLATION WORK (to be co	ompleted where different par	ties are responsible for the desi	gn, construction, inspection & testing)					
<b>DESIGN</b> (The extent of liability of the signatories)	is limited to the work detailed in PART 2)								
I/We being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with <i>BS 7671: 2018</i> , amended to									
• Permitted exception applied (411.3.3) XVes/NA	Risk assessment attached: ( <u>N/A</u> )	Page No(s) ( <sup>N/A</sup> )	<ul> <li>Where selectivity is re</li> </ul>	quired, details of the verification append	ed (536.4): ( <mark>N/A</mark> ) Page No(s) ( <mark>N/A</mark> )				
DESIGNER 1		CARTER		Gewten	Date: 16/02/2023				
DESIGNER 2 (where there is divided responsibility f	for design) Name (capitals): N/A		Signature: .		Date:				
<b>CONSTRUCTION</b> (The extent of liability of the s	ignatory is limited to the work detailed in	PART 2)							
I, being the person responsible for the construction of work for which I have been responsible is, to the bes (Regulations 120.3 and 133.5).									
Name (capitals): TNA ELECTRICAL		Signature:	7 N A	Date:	16/02/2023				
INSPECTION & TESTING (The extent of liabili	ty of the signatories is limited to the work	detailed in PART 2)							
I, being the person responsible for the inspection and that the said work for which I have been responsible i (Regulations 120.3 and 133.5).	testing of the electrical installation, particu s, to the best of my knowledge and belief, ir	lars of which are described in n accordance with <i>BS 7671: 20</i>	PART 2, having exercised reason 118, amended to2020	able skill and care when carrying out the i e) except for the departures, if any, detaile	inspection and testing, hereby CERTIFY d on attached page(s) ( <mark>N/A</mark> )				
Name (capitals): ADAM GREEN		Signature:	AGREN	Date:	16/02/2023				
<b>REVIEWED BY QUALIFIED SUPERVISOR</b>		Λ	1						
Name (capitals): NEIL JONES		Signature: /	V Fores	Date:	16/02/2023				
PART 5 : COMMENTS ON THE EXISTING I	NSTALLATION (in the case of an additi	ion or alteration see Regulati	on 644.1.2)						
None									
· · · · · · · · · · · · · · · · · · ·					N/A				
				ecessary, continue on a separate numbe					
Where the electrical work to which this certificate re particular certificate(s) for the system(s)	lates includes the installation of a fire alar	m system and/or an emergen	cy lighting system (or a part of si	ich systems), this electrical safety certific	cate should be accompanied by the				

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### **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

DESIGN, CONSTRUCTION, INSPECTION & TESTING	DESIGN DESIGNER 1	DESIGNER 2	CONSTRUCTION	INSPECTION & TESTING
Organisation: N/A	TNA Electrical Ltd	Organisation: N/A	Organisation: TNA Electrical Ltd	Organisation: TNA Electrical Ltd
Registration No*: N/A	Registration No*: 502605000	Registration No*: N/A	Registration No*: 502605000	Registration No*:502605000
Branch No*: N/A		Branch No*: N/A		Branch No*: 000
Address:	Address:	Address:		Address: Unit 13 Heritage Park
	Hayes Way Cannock Staffordshire		Hayes Way Cannock Staffordshire	Cardiff
Postcode:	Postcode: WS11 7LT	Postcode:		
Tel No:	Tel No:	Tel No:		Tel No: 01543 425349
System type and earthing arrangements TN-C-S: ( N/A ) TN-S: ( N/A ) Other <i>(state)</i> : N/A Supply protective device (BS (EN)	TT: () AC	3-phase, 3-wire: ( N/A)	() Prospective fault current	b): $(400) \vee (1) By enquiry, measurement for a structure in the struc$
PART 8 : PARTICULARS OF INSTAL	LLATION REFERRED TO IN THIS CERTIF	ICATE		
Maximum demand (load): (200.) XVA (delete as appropria		Main protective bonding connect Water installation pipes:	ions (Main switch / Switch-fuse / Circuit-brea Type: (BS (EN) 88-2	ker / RCD

Installation earth electrode: (N/A)		Oil installation pipes:
Where an earth electrode is used insert	Main protective bonding conductors:	Lightning protection:
Type – rod(s), tape, etc: (None	(material N/A csa N/A mm <sup>2</sup> )	Other <i>(state)</i> :
Location: ( 1977)	Connection / continuity verified: (N/A	IN/A
Electrode resistance to Earth: $(N/A)$		

./				
()	Type: Location:	(BS (EN) 88-2	)	
()	Location:	(Girl Guides plant room		)
(NA ()	No. of poles:	(4)	Rating / setting of device:	( <mark>N/A</mark> ) A
()	Current rating:	(200) A	Voltage rating:	( <sup>400</sup> ) V
(NA (NA (NA)) Current ratin (NA) Where an RC		s used as the main switch		
	RCD rated residu	al operating current, $I_{\Lambda n}$ :		( <mark>N/A</mark> ) mA
••••••	Measured opera	ting time: (N/A) ms	Rated time delay:	( <mark>N/A</mark> ) ms

#### \*Where applicable

\*\* Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I<sub>nf</sub>, and external earth fault loop impedance, Z<sub>a</sub>, must be recorded.

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### **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

<ul> <li>a) Correct connection of generator in parallel (MNA)</li> <li>b) Compatibility of characteristics of means of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>c) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>d) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to isolate generator from quency.</li> <li>(NA)</li> <li>e) Means to isolate generator from origin (MA)</li> <li>b) Tell weight of additional supply avaining notices at or near (MA)</li> <li>b) The meter position, if remote from origin (MA)</li> <li>c) The consumer und faith traditional supply avaining notices at or near (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) Horiser distribution baard to which the (MA)</li> <li>e) Distribution degree and effectiveness of obstacles: (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) Altromatic disconnection of supply (MA)</li> <li>d) Earthing conductors and connections (MA)&lt;</li></ul>	PART 9 : SCHEDULE OF ITEMS INSPECTED – continues on next page											
1.3       Earthing arrangement:       1.4       Materitals:	1. External condition of electrical intake equipment (visual inspection only	3.3 FELV – requirements satisfied:	(N/A ()	7.15 Indication of SPD(s) continued functionality confirmed:	( N/A )							
13       Standing and quality different times of the standing protection dependent of the standing and quality	1.1 Service cable: () 1.2 Service head: (	) 3.4 Reduced low voltage – requirements satisfied:	()		~							
13       Main and quality function       1.1       Protection against mechanical damage where calculations and the protection mechanical damage where calculates are subjected atternative.       1.1       Protection against mechanical damage where calculates are subjected atternative.       1.1       Protection against mechanical damage where calculates are subjected atternative.       1.1       Protection against mechanical damage where calculates are subjected atternative.       1.1       Protection against mechanical damage where calculates are subjected atternative.       1.1					()							
2. Protection against methanist a damage write as a witched alternative sources of supply       used, as follows:	1.5 Metering equipment: () 1.6 Isolator (where present): (				()							
11       Presence of adequate arrangement where generator to operate as a switched atternative:       a) Dedicated earthing arrangement independent of that of the use in controlled / supervised conditions and/       1.3       Presence of adequate arrangement where generator to operate in parallel (NA, a)       1.4       Easier protection of <i>Fer use in controlled / supervised conditions and/       1.3       Presence of adequate arrangement where generator to operate in parallel (NA, a)       1.4       1.4       1.5       Basic protection of <i>Fer use in controlled / supervised conditions and/       1.2       1.3       Presence of adequate arrangement where generator to operate in parallel (NA, a)       1.4       1</i></i>												
as a switched attentive:       b       c </th <th>2.1 Presence of adequate arrangements where generator to operate</th> <th></th> <th>(<b>/</b>)</th> <th></th> <th></th>	2.1 Presence of adequate arrangements where generator to operate		( <b>/</b> )									
<ul> <li>a) Dedicated earting arrangement independent of that of the parts (, )</li> <li>c) Basic protection (<i>For use in controlled's upperived conditions only</i>)</li> <li>c) Presence and adequate or porticely encounce (in parallel) (NA</li></ul>	as a switched alternative:	b) Supplementary bonding	()		(							
1       5.1       Presence and adequays of protective measures to provide basic protection:       connections to bushars, are correctly located in terminals         2       Presence and adequays of protective measures to provide basic protection:       a)       connections to bushars, are correctly located in terminals         a)       Correct connection of generator in parallel       [N/A]       b)       Barrines or enclosures       []         b)       Correct connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       [N/A]       b)       Basic and fault protection       []         d)       Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       [N/A]       b)       PELV       []         d)       Means to isolate generator from public supply vorticing generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       [N/A]       b)       PELV       []         c)       Duble or reinforced insulation       []       []       []       []         d)       Means to isolate generator in frequency deviation of supply       []       []       []       []       []       []       []       []       []       []       []       []       [] <t< th=""><th>N/A</th><th></th><th></th><th>7.20 Confirmation that ALL conductor connections, including</th><th>. ,</th></t<>	N/A			7.20 Confirmation that ALL conductor connections, including	. ,							
<ul> <li>a) Correct connection of generator in parallel (MNA)</li> <li>b) Compatibility of characteristics of means of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>c) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>d) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to isolate generator from quency.</li> <li>(NA)</li> <li>e) Means to isolate generator from origin (MA)</li> <li>b) Tell weight of additional supply avaining notices at or near (MA)</li> <li>b) The meter position, if remote from origin (MA)</li> <li>c) The consumer und faith traditional supply avaining notices at or near (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) Barthuba deductor an connection of generator installation (MA)</li> <li>d) Barthuba deductor and connections (MA)</li> <li>d) Barthuba deductor and connections (MA)</li> <li>d) Altromate disconnection of supply (MA)</li> <li>d) Automate disconnection of supply (MA)</li> <li>d) Automate disconnection of supply (MA)</li> <li>d) Automate disconnection of additional supply (MA)</li> <li>d) Automate disolation of ALL sources of supply (MA)</li> <li>d) Automa</li></ul>		) 5.1 Presence and adequacy of protective measures to provide basic (	protection:									
<ul> <li>a) Correct connection of generator in parallel (MNA)</li> <li>b) Compatibility of characteristics of means of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>c) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>d) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or trequence (MA)</li> <li>e) Means to isolate generator from quency.</li> <li>(NA)</li> <li>e) Means to isolate generator from origin (MA)</li> <li>b) Tell weight of additional supply avaining notices at or near (MA)</li> <li>b) The meter position, if remote from origin (MA)</li> <li>c) The consumer und faith traditional supply avaining notices at or near (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) All points of isolation of ALL sources of supply (MA)</li> <li>d) Barthuba deductor an connection of generator installation (MA)</li> <li>d) Barthuba deductor and connections (MA)</li> <li>d) Barthuba deductor and connections (MA)</li> <li>d) Altromate disconnection of supply (MA)</li> <li>d) Automate disconnection of supply (MA)</li> <li>d) Automate disconnection of supply (MA)</li> <li>d) Automate disconnection of additional supply (MA)</li> <li>d) Automate disolation of ALL sources of supply (MA)</li> <li>d) Automa</li></ul>		a) Insulation of live parts	()	and are tight and secure:	()							
b)       Compatibility of characteristics of means of generation (NA)       c)       Distactes ±       ()         c)       Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or frequency division beyond declared values (NA)       (NA)       6. Basic and fault protection       a)       SELV       ()         d)       Means to provide connection of generator in the event of loss of public supply or voltage or frequency division beyond declared values (NA)       a)       SELV       ()         a)       Means to lossed generator from tubic supply or voltage or frequency division beyond declared values (NA)       ()       b)       Duble or reinforced insulation ()       7.2       Presence of next inspection recommendation label: ()       7.2       Presence of next inspection based, where required to colur warning notice at or near the appropriate distribution board, where required: ()       7.2       Presence of other required labelling: ()       7.2       Presence of other required labelling: ()       7.2       Presence of next inspector normandation label: ()       7.2       Presence of other required labelling: ()       7.2       Presence of next inspector normandation label: ()       7.2       Presence and fault protection (	NI/A	) b) Barriers or enclosures	(	7.21 Tresence of hob six monary test house, where required.	()							
the event of loss of public supply or voltage or frequency deviation beyond declared values       N/A         d)       Means to prevent connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from public supply       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from public supply       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from origin       N/A         c)       Double or reinforced insulation       Image: Construction of conductors:         d)       All points of isolation of ALL sources of supply       N/A         d)       All points of isolation of isongly       N/A         d)       All points of isolation of isongly       N/A         d)       All points of isolation of isongly       N/A         d)       Presence and adequacy of protective earthing / bonding arrangements as follows:       Non-sheathed cables protection filterature:       Image: Construction of isongly         d)       Barthing conductor and connections       N/A       Presence and decquacy of protective earthing / bonding arrangements as follows:       Subtributor's earthing arrangement or installation (Image: Constructors and connections       Presence and decquacy of cructive devices: type and fault curre	b) Compatibility of characteristics of means of generation (N/A	) c) Obstacles ‡	()	7.22 Presence of diagrams, charts or schedules at or near								
the event of loss of public supply or voltage or frequency deviation beyond declared values       N/A         d)       Means to prevent connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from public supply       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from public supply       N/A         e)       Means to isolate generator from public supply and the event of isolate generator from origin       N/A         c)       Double or reinforced insulation       Image: Construction of conductors:         d)       All points of isolation of ALL sources of supply       N/A         d)       All points of isolation of isongly       N/A         d)       All points of isolation of isongly       N/A         d)       All points of isolation of adequecy of protective earthing / bonding arrangements as follows:       N/A         d)       Distributors earthing conductors and connections       N/A         d)       Bater addiguacy of protective earthing / bonding arrangements as follows:       Non-sheathed eables protective daviange during installation:         d)       Batributors earthing conductors and connections       Non-sheathed eables for current-carrying capacity with regard to thype and natuture of installation: <tr< th=""><th>c) Means to provide automatic disconnection of generator in</th><th>d) Placing out of reach ‡</th><th>()</th><th>each distribution board, where required:</th><th></th></tr<>	c) Means to provide automatic disconnection of generator in	d) Placing out of reach ‡	()	each distribution board, where required:								
trequency deviation beyond declared values       ()       a) SELV       (NA)         (d) Means to prevent connection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values       ()       b) PELV       (NA)         (e) Means to prevent deviation beyond declared values       (.NA)       ()       ()       ()         (f) Means to isolate generator into public supply       (NA)       ()       ()       ()         (g) The origin       (NA)       ()       ()       ()       ()         (g) The origin       (NA)       ()       ()       ()       ()       ()         (h) The meter position, if remote from origin       ()       ()       ()       ()       ()       ()         (h) The meter position, if remote from origin       ()       (	Ν/Δ	6. Basic and fault protection			(,							
<ul> <li>b) PEUV</li> <li>b) PEUV</li> <li>c) Double or reinforced insulation</li> <li>c) Double or reinforced insulation</li> <li>d) Means to isolate generator from public supply</li> <li>e) Means to isolate generator from public supply</li> <li>d) The origin</li> <li>d) The meter position, if remote from origin</li> <li>c) The consumer unit / distribution board to which the alternative / additional sources are connected</li> <li>d) All points of isolation of ALL sources of supply</li> <li>f) Pessence and adequacy of protective earthing / bonding arrangements as follows:</li> <li>a) Distributor's earthing arrangement</li> <li>b) Earthing conductor and connections</li> <li>c) Main protective bonding conductors and connections</li> <li>d) Earthing conductor and connections</li> <li>d) Earthing conductor and connections</li> <li>d) Earthing conductor and connections</li> <li>d) Earthing conductors connections</li> <li>d) Earthing conductors and connections</li> <li>d) Earthing conductors connections</li> <li>d) Earthing cond</li></ul>	frequency deviation beyond declared values (	) a) SELV	(		( <b>/</b>							
deviation beyond declared values       (NA (NA)       c)       Double or reinforced insulation       (,)         e)       Means to isolate generator from public supply       (NA)       (NA)       (NA)       (NA)         2.3       Presence of alternative / additional supply warning notices at or near:       (NA)       (NA)       (NA)       (NA)         b)       The origin       (NA)       (NA)       (NA)       (NA)       (NA)         b)       The meter position, if remote from origin       (NA)       (NA)       (NA)       (NA)       (NA)       (NA)         c)       The origin       (NA)	loss of public supply or voltage or frequency	b) PELV	()									
e)       Means to isolate generator from public supply       (N/A)         2.3       Presence of alternative / additional supply warning notices at or near.       7.1         a)       The origin       (N/A)         b)       The meter position, if remote from origin       (N/A)         c)       The consumer unit / distribution board to which the alternative / additional sources are connected       (N/A)         d)       All points of isolation of ALL sources of supply       7.3         3.1       Presence and adequacy of protective earthing / bonding arrangements as follows:       7.4         a)       The sence and adequacy of protective earthing / bonding arrangement       7.4         c)       The sence and adequacy of protective earthing / bonding arrangements as follows:       7.8         a)       Distributor's earthing conductors and connections       ()         c)       Main protective bonding conductors and connections       ()         d)       Earthing conductors and connections       ()         c)       Main protective bonding labels at all appropriate locations       ()         d)       Earthing conductor connections       ()         c)       No       Presence and definitional supply       8.5         7.8       Presence and official prorotective devices: type and fault current rating of t	N/A		()									
2.3       Presence of alternative / additional supply warning notices at or near.       7. Distribution equipment       8.2       Cables correctly supported throughout, with protection against abrasion:	e) Means to isolate generator from public supply (N/A	) When used, provide details on a separate numbered page: Page No	o(8)		( • )							
a) The origin       (NA NA       7.1 Adequacy of working space / accessibility:       ()       against abrasion:       ()         b) The meter position, if remote from origin       (NA NA       7.2 Security of fixing:       ()       8.3 Examination of cables for signs of mechanical damage during installation:       ()         c) The consumer unit / distribution board to which the alternative / additional sources are connected       (NA (NA)       7.3 Insulation of live parts not damaged during erection:       ()         d) All points of isolation of Supply       7.4 Adequacy / security of barriers:       ()       8.4 Examination of installation of live parts, not damaged during erection:       ()         3. Automatic disconnection of supply       7.5 Suitability of enclosures for IP and fire ratings:       ()       8.4 Examination of cables for signs of mechanical damage         3.1 Presence and adequacy of protective earthing / bonding arrangement or earth electrode arrangement       ()       7.9 Presence and operation (functional) check of main switch(es):       ()         b) Earthing conductor and connections       ()       7.1 RCD(s) provided for fault protection, where specified:       ()         c) Main protective bonding conductors and connections       ()       7.1 RCD(s) provided for additional protection, where specified:       8.10 Adequacy of AFDD(s), where specified:       8.11 Presence and adequacy of cicruit protective conductors:	2.3 Presence of alternative / additional supply warning notices at or near:	7. Distribution equipment										
b) The meter position, if remote from origin       (MML)         c) The consumer unit/ distribution board to which the alternative / additional sources are connected       N/A         (ML)       N/A         (All points of isolation of ALL sources of supply       7.4 Adequacy / security of barriers:         (ML)       7.4 Adequacy / security of barriers:         (ML)       7.4 Adequacy / security of barriers:         (ML)       7.5 Suitability of enclosures for IP and fire ratings:         (ML)       7.5 Suitability of enclosures for IP and fire ratings:         (ML)       7.6 Enclosures not damaged during installation:         (ML)       7.6 Enclosures not damaged during installation:         (ML)       7.8 Presence and adequacy of protective earthing / bonding arrangements as follows:         a) Distributor's earthing arrangement       (ML)         (ML)       7.0 Operation of circuit-breakers and RCDs to prove functionally instructions or literature:         (Main protective bonding conductors and connections       (ML)         (ML)       7.11 RCD(s) provided for protection againt fire, where specified:         (ML)       7.13 RCD(s) provided for additional protection, where specified:         (ML)       7.13 RCD(s) provided for additional protection, where specified:         (ML)       7.13 RCD(s) provided for additional protection (survitere conductors: <t< th=""><th>a) The origin (</th><th>) 7.1 Adequacy of working space / accessibility:</th><th>()</th><th></th><th>()</th></t<>	a) The origin (	) 7.1 Adequacy of working space / accessibility:	()		()							
c)       The consumer and with a difficult of which the end of a difficult of which the end of a difficult of a diff	b) The meter position, if remote from origin (N/A	) 7.2 Security of fixing:	()	8.3 Examination of cables for signs of mechanical damage								
alternative / additional sources are connected       ()       7.4       Adequacy / security of barriers:       ()         d) All points of isolation of ALL sources of supply       7.4       Adequacy / security of barriers:       ()         3. Automatic disconnection of supply       7.5       Suitability of enclosures for IP and fire ratings:       ()         3. Automatic disconnection of supply       7.6       Enclosures not damaged during installation:       ()         3.1       Presence and adequacy of protective earthing / bonding arrangements as follows:       7.7       Presence and effectiveness of obstacles:       ()         a)       Distributor's earthing arrangement or installation environ agreement ()       7.8       Presence and operation (functional) check of main switch(es):       8.6       Suitability of containment systems (including flexible conduit):       ()         b)       Earthing conductor and connections       ()       7.10       Operation of circuit-breakers and RCDs to prove functionality:       8.8       Adequacy of protective devices: type and fault current rating for fault protection:       ()         b)       Earthing / bonding labels at all appropriate locations       (	c) The consumer unit / distribution board to which the N/A	7.3 Insulation of live parts not damaged during erection:	()	5	()							
d) All points of isolation of ALL sources of supply       7.5       Suitability of enclosures for IP and fire ratings:       1.1       Non-sheathed cables protected by enclosure in conduit, during erection.         3.1       Presence and adequacy of protective earthing / bonding arrangements as follows:       7.6       Enclosures not damaged during installation:       1		) 7.4 Adequacy / security of barriers:			· • ·							
3. Automatic disconnection of supply       7.6       Enclosures not damaged during installation:       ()         3.1       Presence and adequacy of protective earthing / bonding arrangements as follows:       7.7       Presence and effectiveness of obstacles:       ()         a)       Distributor's earthing arrangement or installation       ()       8.6       Suitability of containment systems (including flexible conduit):       ()         a)       Distributor's earthing arrangement       ()       7.9       Components are suitable according to assembly manufacturer's instructions or literature:       ()       8.8       Adequacy of cables for current-carrying capacity with regard to the type and nature of installation:       ()         b)       Earthing conductor and connections       ()       7.11       RCD(s) provided for fault protection, where specified:       ()       8.9       Adequacy of AFDD(s), where specified:       ()         d)       Earthing / bonding labels at all appropriate locations       ()       7.12       RCD(s) provided for additional protection against fire, where specified:       ()       8.10       Adequacy of AFDD(s), where specified:       ()         3.2       Accessibility of:       7.13       RCD(s) provided for additional protection, where specified:       ()       8.11       Presence and adequacy of circuit protective conductors: <t< th=""><th>d) All points of isolation of ALL sources of supply (</th><th></th><th>()</th><th></th><th>()</th></t<>	d) All points of isolation of ALL sources of supply (		()		()							
<ul> <li>3.1 Presence and adequacy of protective earthing / bonding arrangements as follows:</li> <li>a) Distributor's earthing arrangement or installation earth electrode arrangement</li> <li>b) Earthing conductor and connections</li> <li>c) Main protective bonding conductors and connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing conductor connections</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <li>d) Earthing conductor connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>d) Earthing conductor connections</li> <l< th=""><th>3. Automatic disconnection of supply</th><th>7.6 Enclosures not damaged during installation:</th><th>()</th><th></th><th>( ~ )</th></l<></ul>	3. Automatic disconnection of supply	7.6 Enclosures not damaged during installation:	()		( ~ )							
<ul> <li>a) Distributor's earthing arrangement or installation earth electrode arrangement</li> <li>b) Earthing conductor and connections</li> <li>c) Main protective bonding conductors and connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>3.2 Accessibility of:</li> <li>a) Earthing conductor connections</li> <li>()</li> <li>7.9 Components are suitable according to assembly manufacturer's instructions or literature:</li> <li>7.10 Operation of circuit-breakers and RCDs to prove functionality:</li> <li>()</li> <li>7.11 RCD(s) provided for fault protection, where specified:</li> <li>()</li> <li>7.12 RCD(s) provided for additional protection, where specified:</li> <li>()</li> <li>8.10 Adequacy of AFDD(s), where specified:</li> <li>()</li> <li>8.11 Presence and adequacy of circuit protective conductors:</li> <li>()</li> </ul>	3.1 Presence and adequacy of protective earthing / bonding arrangements	7.7 Presence and effectiveness of obstacles:		5 5								
<ul> <li>a) Distributor's earthing arrangement or installation earth electrode arrangement</li> <li>b) Earthing conductor and connections</li> <li>c) Main protective bonding conductors and connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>3.2 Accessibility of:</li> <li>a) Earthing conductor connections</li> <li>()</li> <li>7.9 Components are suitable according to assembly manufacturer's instructions or literature:</li> <li>7.10 Operation of circuit-breakers and RCDs to prove functionality:</li> <li>()</li> <li>7.11 RCD(s) provided for fault protection, where specified:</li> <li>()</li> <li>7.12 RCD(s) provided for additional protection, where specified:</li> <li>()</li> <li>8.10 Adequacy of AFDD(s), where specified:</li> <li>()</li> <li>8.11 Presence and adequacy of circuit protective conductors:</li> <li>()</li> </ul>		7.8 Presence and operation (functional) check of main switch(es):										
b) Earthing conductor and connections       ()         c) Main protective bonding conductors and connections       ()         d) Earthing / bonding labels at all appropriate locations       ()         3.2 Accessibility of:       7.13 RCD(s) provided for additional protection, where specified:       ()         a) Earthing conductor connections       ()         b) Earthing conductors and connections       ()         c) Main protective bonding conductors and connections       ()         c) Main protective conductors and connections       ()         c) T.11 RCD(s) provided for fault protection, where specified:       ()         7.12 RCD(s) provided for additional protection, where specified:       ()         8.10 Adequacy of AFDD(s), where specified:       ()         7.13 RCD(s) provided for additional protection, where specified:       ()         8.11 Presence and adequacy of circuit protective conductors:       ()         7.14 Confirmation conductors:       ()         8.10 Adequacy of circuit protective conductors:       ()			~		(,							
<ul> <li>b) Larding conductor and connections</li> <li>c) Main protective bonding conductors and connections</li> <li>d) Earthing / bonding labels at all appropriate locations</li> <li>3.2 Accessibility of:</li> <li>a) Earthing conductor connections</li> <li>()</li> <li>7.10 Operation of circuit-breakers and RCDs to prove functionality:</li> <li>()</li> <li>7.11 RCD(s) provided for fault protection, where specified:</li> <li>()</li> <li>7.12 RCD(s) provided for additional protection, where specified:</li> <li>()</li> <li>7.13 RCD(s) provided for additional protection, where specified:</li> <li>()</li> <li>8.9 Adequacy of protective devices: type and fault current rating for fault protection:</li> <li>()</li> <li>8.10 Adequacy of AFDD(s), where specified:</li> <li>()</li> <li>8.11 Presence and adequacy of circuit protective conductors:</li> <li>()</li> <li>()</li> </ul>			()		()							
d) Earthing / bonding labels at all appropriate locations       ()         3.2 Accessibility of:       7.12 RCD(s) provided for additional protection, where specified:       ()         a) Earthing conductor connections       ()         7.12 RCD(s) provided for additional protection, where specified:       ()         8.10 Adequacy of AFDD(s), where specified:       ()         8.11 Presence and adequacy of circuit protective conductors:       ()         7.14 Confirmation provided for additional protection, where specified:       ()         8.10 Adequacy of AFDD(s), where specified:       ()         a) Earthing conductor connections       ()         a) Control of the provided for additional protection against fire, where specified:       ()         b) Control of the provided for additional protection, where specified:       ()         c) Control of the provided for additional protection, where specified:       ()         c) Control of the provided for additional protection provided for additional provided for additional protection provided for additional protection provided for additional protection provided for additional provide			()									
<ul> <li>a) Earthing conductor connections</li> <li>a) Earthing conductor connections</li> <li>b) T12 RCD(s) provided for additional protection, where specified:</li> <li>c) T12 RCD(s) provided for additional protection, where specified:</li> <li>c) T12 RCD(s) provided for additional protection, where specified:</li> <li>c) T12 RCD(s) provided for additional protection, where specified:</li> <li>c) T12 RCD(s) provided for additional protection, where specified:</li> <li>c) T13 RCD(s) provided for additional protection, where specified:</li> <li>c) T14 RCD(s) provided for additional protection, where specified:</li> <li>c) T14 RCD(s) provided for additional protection, where specified:</li> <li>c) T14 RCD(s) provided for additional protection, where specified:</li> </ul>				•	(•) N/A							
a) Earthing conductor connections					()							
					. /							
b) All protective bonding connections () where specified: ()		<ul> <li>7.14 Confirmation overvoltage protection (SPDs) provided, where specified:</li> </ul>		8.12 Coordination between conductors and overload protective devices	s: (•)							

Enter a ( $\checkmark$ ) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A This certificate is based on the model forms shown in Appendix 6 of BS 7671 Certsure LLP operates the NICEIC & ELECSA brands Published by Certsure LLP Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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**ICN18C** 

## ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

#### PART 9 : SCHEDULE OF ITEMS INSPECTED 8.13 Wiring systems and cable installation methods / practices appropriate 8.24 Adequacy of connections, including cpcs, within 10. Current-using equipment (permanently connected) V ) ( 🖌 to the type and nature of installation and external influences: accessories and at fixed and stationary equipment: 10.1 Suitability of equipment in terms of IP and fire ratings: 8.14 Cables concealed under floors, above ceilings, 9. Isolation and switching 10.2 Enclosure not damaged / deteriorated during installation so V V in walls / partitions, adequately protected against damage: as to impair safety: 9.1 Isolators: V V 8.15 Cables installed in walls / partitions, installed in prescribed zones: ( V 10.3 Suitability for the environment and external influences: a) Presence and location of appropriate devices V 8.16 Provision of additional protection by RCDs having rated residual V 10.4 Security of fixing: b) Capable of being secured in the OFF position operating current $(I_{\Lambda n})$ not exceeding 30 mA: V 10.5 Cable entry holes in ceilings above luminaires, sized or sealed c) Correct operation verified (functional check) ~ a) For all socket-outlets with a rated current not exceeding so as to restrict the spread of fire: V d The installation, circuit or part thereof that will be isolated 32 A or less, unless exempt 10.6 Recessed luminaires (downlighters): is clearly identified by location and / or durable marking b) For supplies to mobile equipment with a current rating V ( 1 a) Correct type of lamps fitted e) Warning notice posted in situations where live parts not exceeding 32 A for use outdoors V cannot be isolated by the operation of a single device b) Installed to minimise build-up of heat c) For cables concealed in walls / partitions at a depth of 1 1 V 9.2 Switching off for mechanical maintenance: 10.7 Provision of undervoltage protection, where specified: less than 50 mm V ~ a) Presence of appropriate devices 10.8 Provision of overload protection, where specified: d) For cables concealed in walls / partitions containing V V V metal parts regardless of depth b) Acceptable location (local or remote) 10.9 Adequacy of working space / accessibility to equipment: V e) For circuits supplying luminaires within domestic c) Capable of being secured in the OFF position 11. Special installations or locations . . (household) premises only d) Correct operation verified (functional check) List below any special installations or locations which are part of the installation to 8.17 Provision of fire barriers, sealing arrangements so as be verified, and confirm that the additional requirements given in the respective e) The installation, circuit or part thereof to be disconnected V V to minimise the spread of fire: section of Part 7 are fulfilled: N/A clearly identified by location and / or durable marking V N/A 8.18 Band II cables segregated / separated from Band I cables: 9.3 Emergency switching / stopping: V N/A 8.19 Cables segregated / separated from non-electrical services: a) Presence of appropriate devices N/A 8.20 Termination of cables at enclosures: b) Readily accessible for operation where danger might occur N/A V a) Connections under no undue strain c) Correct operation verified (functional check) V No basic insulation of a conductor visible outside enclosure b) d) The installation, circuit or part thereof to be disconnected ..... N/A V c) Connections of live conductors adequately enclosed clearly identified by location and / or durable marking Details must be appended on a separate numbered page (see PART 10 below) V N/A d) Adequately connected at point of entry to enclosure e) Firefighter's switches present, where required: SCHEDULE OF ITEMS INSPECTED BY V 9.4 8.21 Suitability of circuit accessories for external influences: Functional switching: V Name (capitals): ADAM GREEN 8.22 Circuit accessories not damaged during erection: a) Presence of appropriate devices ~ b) Correct operation verified (functional check) 8.23 Single-pole devices for switching or protection Date: 16/02/2023 V Signature: . in line conductors only:

#### **PART 10 : SCHEDULES AND ADDITIONAL PAGES**

Schedule of Inspection	15	Schedule of Circuit Det for the installation	ails and Test Results	Additional pages, includ for additional sources	ding data sheets	Special installations or (indicated in item 11 ab		Continuation sheets	
Page No(s):	(4&5)	Page No(s):	(6, 7)	Page No(s):	(.8)	Page No(s):	( <u>None</u> )	Page No(s):	( <u>None</u> )
			The	nages identified are an e	ssential part of this ce	rtificate.			

Enter a  $(\checkmark)$  or value in the respective fields, as appropriate. Where an item is not applicable insert N/A This certificate is based on the model forms shown in Appendix 6 of BS 7671 Certsure LLP operates the NICEIC & ELECSA brands Published by Certsure LLP Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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### **ELECTRICAL INSTALLATION CERTIFICATE**

PA	RT 11 : SCHEDULE OF CIRCUIT	DET#	AILS A	ND TI	EST RE	SULT	S	Circuit	s/equip	ment vu	Inerabl	e to dam	age whe	n testing	,					•••••					•••••	••••••
CO	DES for Type of wiring (A) Thermoplastic insulated sheathed cables	<sup>d /</sup> (B)	Thermoplas metallic cor	stic cables in nduit	(C)	nermoplastic on-metallic c	cables in	(D) <sup>Thermo</sup> metallic	plastic cable	<sup>es in</sup> (E	) Thermopla	astic cables ir Ilic trunking	<sup>n</sup> (F) The	ermoplastic / S	SWA cables	(G) Thermo	setting / SWA (	ables (H	) Mineral-ins	ulated cables	(O) other	- state:	N/A			
r.	Circuit description				Cir	cuit ctor csa		ľ	Protective		non meta	RCD	itted ed ce*		Circu	it impedanc	ces (Ω)		Insi	lation resis	tance	2	earth nce, <i>Zs</i>	RCD operating	Te butt	
Circuit number		Type of wiring (see Codes)	Reference Method ( <i>BS 7671</i> )	Number of points served			Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>An</sub>	Maximum permi Z <sub>S</sub> for installe protective devi		final circuit sured end t		All cir (complet one cc	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth fault loop impedance, <i>Zs</i>	time	DOD	4500
			B	Num	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≅ (s)			(A)	(kA)	(mA)	(Ω)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) <i>r</i> 2	$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(√)	(Ω)	(ms)	RCD (√)	AFDD (√)
	Shop lighting	A	102		1.5	1	0.4	61009	В	6	10	30	1667				0.44		999	999	250	~		19.3	~	
1L2	Spare																									
1L3	Spare																									
2L1	Shop Sockets	А	102		2.5	1.5	0.4	61009	В	20	10	30	1667				1.94		999	999	500	~		19.5	~	
2L2	Hand dryer	А	102	1	2.5	1.5	0.4	61009	С	20	10	30	1667				0.24		999	999	500	~		19.3	~	
2L3	Water heater	А	102	1	6	2.5	0.4	61009	С	32	10	30	1667				0.28		999	999	500	~		19.3	~	
3L1	<sup>2</sup> Shop panel heaters A 102 2.5 1.5 0.4 61009 B 20 10 30 1667 B 0.83 999 999 500 ✔ 19.3 ✔																									
	<sup>2</sup> Shop panel heaters A 102 2.5 1.5 0.4 61009 B 20 10 30 1667 0.83 999 999 500 ✔ 19.3 ✔																									
	<sup>3</sup> W/C, Kitchen panel heaters A 102 2 2.5 1.5 0.4 61009 B 20 10 30 1667 B 0.8 0.8 0.8 0.81 999 999 500 ✔ 19.9 ✔																									
	W/C, Kitchen panel heaters       A       102       2       2.5       1.5       0.4       61009       B       20       10       30       1667       0.81       999       999       500       ✓       19.9       ✓         1       AC supply       A       E       1       2.5       1.5       0.4       61009       C       20       10       30       1667       0.81       999       999       500       ✓       19.9       ✓																									
	A comply       A       E       1       2.5       1.5       0.4       61009       C       20       10       30       1667       0.35       999       999       500       ✓       19.5       ✓         2       Lift supply       A       B       1       2.5       1.5       0.4       60898       D       10       10       500       0.16       999       999       500       ✓       19.5       ✓																									
4L3	Lift outlets	А	В	1	2.5	1.5	0.4	61009	В	20	10	30	1667				0.12		999	999	500	~		19.3	~	
5L1	Shop access control	А	E	1	2.5	1.5	0.4	61009	В	20	10	30	1667				0.46		999	999	500	~		19.3	V	
5L2	Kitchen sockets	A	102	4	2.5	1.5	0.4	61009	В	20	10	30	1667				0.65		999	999	500	~		19.7	~	
	Spare																									
6L1	Spare																									
6L2	Spare																									
6L3	Spare																									
	STRIBUTION BOARD (DB) DETA be completed in every case)	ILS	DB des Locatio	ignatior n of DB	DB G GG S	iG Sho Shop St	p tore		TEST	ED BY	/ Na Siç	ime (capi jnature:	tals): AD	AM GR ARC	EEN					Position Date:	Electric 6/02/202	• • • • • • • •	əster			
то	BE COMPLETED ONLY IF THE			CON	VECTE		FCTIV	TO THE	ORIGI		THF IN	ισται	ΔΤΙΟΝ				<b>TEST I</b>	NSTRU	MENT	S (enter s	serial nur	nber ;	against	each ins	trument	used)
	oply to DB is from: (DBGG1 14TP														, 3	,	Multi-fu 1561					Contin N/A	-			
I .												) V	No. c	of phases	::(	.)	(51561	27			) (	N/A				)
	ercurrent protection device for the dis									ng: ( <mark>63</mark> 			Onor	oting tim	_N/A	١٣٩	Insulatio ( N/A					Earth i N/A		op imped		)
Cha	sociated RCD (if any) Type: (BS EN aracteristics at this DB Confirmation of	of supply	y polari	) ty: (	) P	hase se	quence	, confirmed	(where	∆ <i>n</i> ∖ appropr	, IIIA riate): ( .	· · · · ) 2	0.64	aung um )Ω /	0.6	) kA	Earth el					RCD: N/A				1
																	tate source	•••••			) (	•••••	<u></u>	······		)
	ertificate is based on the model forms shown i shed by Certsure LLP Certsure	n Appeno LLP ope	dix 6 of <i>B</i> erates th	r <i>S 7671</i> ne NICEI				e in the respe @ Copy		lds, as app ertsure L			nere tigur	re is not ta	ken from <i>l</i>	3 <i>5 16</i> 71, s	tate source	e: (						) P	age 6 of	8



This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report. **26837155** 

ISN18C

## **CONTINUATION SHEET:**

### **ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

	N /MPN : SCHEE	OULE OF CIRCU	IT DET	AILS /	AND T	EST R	ESUL	rs	Circuits	s/equipm	nent vul	Inerable	e to dama	age whei	n testing	<u>.</u>											
CO	DES for Type of wiring	(A) Thermoplastic insulate sheathed cables	<sup>.d /</sup> (B)	Thermoplast metallic con	ic cables in duit	(C) <sup>TI</sup>	nermoplastic on-metallic c	cables in conduit	(D) Thermop metallic	plastic cables trunking	<sup>s in</sup> (E	) Thermopla non-metal	istic cables in lic trunking	<sup>1</sup> (F) <sup>The</sup>	ermoplastic / 3	SWA cables	(G) Thermo	setting / SWA	cables (H	) Mineral-insu	lated cables	(O) other	- state:	N/A			
	Circuit d	escription	T .	q	rved	Cir	cuit ctor csa		·	Protective			RCD	nitted led ice*		Circui	t impedanc	:es (Ω)		Insu	lation resist	tance		arth :e, <i>Zs</i>	RCD	Te	
Circuit number			Type of wiring (see Codes)	Reference Method ( <i>BS 7671</i> )	Number of points served			Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, $I_{\Delta n}$	Maximum permitted $Z_{s}$ for installed protective device*		final circuit: sured end to			rcuits e at least olumn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth fault loop impedance, <i>Zs</i>	operating time	butt	
			·	Rei	Numb	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	(s)	8		(A)	us (kA)	(mA)	 (Ω)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) <i>r</i> 2	$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(⁄)	(Ω) (Ω)	(ms)	RCD (√)	AFDD (√)
7L1	Spare																										
7L2	Spare																										
7L3	Spare																										
8L1	Spare																										
8L2	Spare																										
8L3	Spare																										
9L1	Spare																										
9L2																											
9L3	January 13         Spare																										
10L1	3       Spare       1																										
	Image: Spare         Image: Spare<																										
10L3	Spare																										
11L1	Spare																										
11L2	Spare																										
11L3	Spare																										
12L1	Spare																										
12L2	Spare																										
12L3	Spare																										
	STRIBUTION BO	)ARD (DB) DETA ery case)	ILS	DB desi Locatior	gnation 1 of DB:	DB G GG S	G Shop hop Sto	o ore		TESTE	ED BY			tals): AD								Electri 6/02/20		ester			
Su	pply to DB is from:	ED ONLY IF THE UBGG1 14TP							)	Nomir	nal volt	age: ( <mark>4</mark>			f phases	s: ( <u>.</u>	.)	Multi-fu ( 51561	nction:  27	MENTS	S (enter s	)	Contir N/A	nuity:			<b>used)</b> )
As	sociated RCD (if ar	n device for the di ny) Type: (BS EN DB Confirmation d	N/A		)	Ν	lo. of po	les: ( N/.	A)	IA	n(	) mA	<b>V</b> 1 3	0pera 7_ 0.64	ating tim	e ( <mark>N/A</mark> ρ.6	.)ms )k∆	Insulatio ( N/A Earth el ( N/A (				)	Earth N/A RCD· N/A		op imped		)
															•••••				)								
		del forms shown in App P Certsure				Er C & ELE	nter a (🖌 CSA bra	) or value nds	in the respe @ Copy	ctive field right Cer	ls, as app rtsure Ll	oropriate. LP (Julv	* W 2018)	here figur	e is not ta	ken from E	3 <i>S 7671</i> , st	tate source	e: (					)	Page	7 <sub>0</sub>	of 8

Page



This continuation sheet is not valid if the serial number has been defaced or altered

26837155

## **GENERAL CONTINUATION SHEET**

N18C

Basic and fault protection

Shaver sockets installed to Girl Guides apartment.

### **NOTES FOR RECIPIENT**

#### THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the user of the installation, you should pass this certificate, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, *BS 7671: 2018 (as amended) - Requirements for Electrical Installations* (the IET Wiring Regulations).

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 every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC\* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the main switchboard or distribution board indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC Electrical Installation Certificate.

The certificate, which consists of at least six numbered pages, is only valid if accompanied by the *Schedule of ltems Inspected* and the *Schedule of Circuit Details and Test Results*. The certificate has a printed serial number which is traceable to the Contractor to which it was supplied.

For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded on Page 6, one or more additional *Schedules of Circuit Details and Test Results*, should form part of the certificate.

This certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation, or for the replacement of a distribution board (or consumer unit). It should not have been issued for the inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such a periodic inspection.

This certificate should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to their NICEIC registration for such work.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be retained in a safe place and shown to any skilled person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new user that the electrical installation complied with the requirements of *BS 7671* at the time the certificate was issued.

The *Construction (Design and Management) Regulations* require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety documentation.

Page 1 and 2 of this certificate provide details of the electrical installation, together with the name(s) and signature(s) of the person(s) certifying the three elements of installation work: design, construction and inspection and testing, and page 3 identifies the organisation(s) responsible for the work certified by their representative(s).

Certification for inspection and testing provides an assurance that the electrical installation work has been fully inspected and tested, and that the electrical work has been carried out in accordance with the requirements of *BS 7671: 2018* (as amended) (except for any departures sanctioned by the designer and appended to the certificate).

Where responsibility for the design, the construction and the inspection and testing of the electrical work is divided between the Approved Contractor and one or more other bodies, the division of responsibility should have been established and agreed before commencement of the work. In such a case, NICEIC considers that the absence of certification for the construction, or the inspection and testing elements of the work would render the certificate invalid. If the design section of the certificate has not been completed, NICEIC recommends that you question why those responsible for the design have not certified that this important element of the work is in accordance with *BS 7671*.

Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems) in accordance with British Standards *BS 5839* and *BS 5266* respectively, this electrical safety certificate should be accompanied by a separate certificate or certificates as prescribed by those standards.

Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate), have reason to believe that any element of the work for which the Approved Contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with *BS 7671: 2018* (as amended), the client should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

\* NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).

For further information about electrical safety and how NICEIC can help you, visit www.niceic.com



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ICN18C

### **ELECTRICAL INSTALLATION CERTIFICATE**

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTAL	LATION	
DETAILS OF THE CONTRACTOR Registration No: 502605000 Branch No <sup>*</sup> :000 Trading Title: TNA Electrical Ltd Address: Unit 13 Heritage Park, Hayes Way, Cannock, Staffordshire	DETAILS OF THE CLIENT Contractor Reference Number (CRN): E468 Name: Holloway Head Girl Guides. Address: Winvic Construction Ltd, 19 Tenter Road, Moulton Park Industrial Estate, Northampton,	DETAILS OF THE INSTALLATION Occupier: Girl Guides Address: Trefoil House, 2 Ellis Street, Birmingham, West Midlands
Postcode: WS11 7LT Tel No: .01543 425349	Postcode: NN3 6PZ Tel No: N/A	Postcode: B1 1HL Tel No: N/A
PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY TH	IIS INSTALLATION CERTIFICATE	
The installation is –     Complete new installation       New:     (	of the installation covered by this certificate: I to Girl Guides premises including band 1 and 2 cables up to 230v. Where n	ecessary, continue on a separate numbered page: Page No(s) ( N/A)
PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION	)N	
I/We, being the designer(s) of the electrical installation as documented in PART 4,	RECOMMEND that this installation is further inspected and tested after an i	interval of not more than: 5 years/rXXXXX** (delete as appropriate)
PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION	WORK (this option may be used where the design, construction, inspection	& testing have been the responsibility of one person)
DESIGN, CONSTRUCTION, INSPECTION & TESTING (The extent	of liability of the signatories is limited to the work detailed in PART 2)	
additionally where this certificate applies to an addition or alteration, having o		2, having exercised reasonable skill and care when carrying out the design and RTIFY that the design, construction, inspection and testing for which I have been , detailed on attached page(s) (
• Permitted exception applied (411.3.3) XX68/NA Risk assessment attached	d: (N/A • Where selectivity is re	equired, details of the verification appended (536.4): ( $\frac{N/A}{\dots}$ ) Page No(s) ( $\frac{N/A}{\dots}$ )
Name (capitals): N/A	Signature:	Date:
REVIEWED BY QUALIFIED SUPERVISOR		
Name (capitals):	Signature:	Date:
*Where applicable ** The proposed date for the next inspection should take into consid The period should be agreed between relevant parties.	leration any legislative or licensing requirements and the frequency and quality of maintenance	e that the installation can reasonably be expected to receive during its intended life.
This certificate is based on the model forms shown in Appendix 6 of <i>BS 7671</i> Published by Certsure LLP Certsure LLP operates the NICEIC & ELECSA bra		Please see the 'Notes for Recipient' Page 1 of 12



## **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PART 4 : DECLARATION FOR THE ELECTRIC	CAL INSTALLATION WORK (to be c	ompleted where different par	ties are responsible for the desig	n, construction, inspection & testing)	
<b>DESIGN</b> (The extent of liability of the signatories is	s limited to the work detailed in PART 2)				
	that the safety of the existing installation	is not impaired, hereby CERT	IFY that the design work for which	kill and care when carrying out the design and additionally where this n l/we have been responsible is to the best of my/our knowledge and b 3.1.3 and 133.5).	
• Permitted exception applied (411.3.3) XVes/NA	Risk assessment attached: ( <u>N/A</u> )	Page No(s) ( <sup>N/A</sup> )	• Where selectivity is req	juired, details of the verification appended (536.4): ( $\overset{N/A}{\ldots}$ ) Page No(	s) ( <mark>N/A</mark> )
DESIGNER 1	Name (capitals): GARRY C	CARTER	Signature:	GCurter Date: 09/02/2023	
DESIGNER 2 (where there is divided responsibility for	or design) Name (capitals):		Signature:	Date:	
CONSTRUCTION (The extent of liability of the sig	gnatory is limited to the work detailed in	PART 2)			
		nce with <i>BS 7671: 2018,</i> amend	led to2020 (date) except f	kill and care when carrying out the construction, hereby CERTIFY that or the departures, if any, detailed on attached page(s) ( <u>N/A</u> )	the said
Name (capitals): TNA ELECTRICAL		Signature:	TNA	Date:	
INSPECTION & TESTING (The extent of liabilit	y of the signatories is limited to the work	c detailed in PART 2)			
I, being the person responsible for the inspection and t that the said work for which I have been responsible is (Regulations 120.3 and 133.5).	esting of the electrical installation, particu s, to the best of my knowledge and belief, in	llars of which are described in n accordance with <i>BS 7671: 20</i>	PART 2, having exercised reasona 118, amended to2020	ble skill and care when carrying out the inspection and testing, hereby except for the departures, if any, detailed on attached page(s) ( $\frac{N/A}{\dots}$	CERTIFY .)
Name (capitals): ADAM GREEN		Signature:	AGREN	Date: 09/02/2023	
REVIEWED BY QUALIFIED SUPERVISOR		Λ	1 0		
Name (capitals): NEIL JONES		Signature: /	V Jones	Date:	
PART 5 : COMMENTS ON THE EXISTING IN	ISTALLATION (in the case of an addit	ion or alteration see Regulation	on 644.1.2)		
None					
			Where ne	ecessary, continue on a separate numbered page: Page No(s) ( $\overset{N/A}{\ldots}$	)
Where the electrical work to which this certificate rela particular certificate(s) for the system(s).	ates includes the installation of a fire alar	m system and/or an emergen		ch systems), this electrical safety certificate should be accompanied b	

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### ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

DESIGN, CONSTRUCTION,	DESIGN		CONSTRUCTION	<b>INSPECTION &amp; TESTI</b>	NG
INSPECTION & TESTING Organisation: N/A Registration No*: N/A Branch No*: N/A Address:	Registration No*: 502605000  Branch No*: 000  Address: Unit 13 Heritage Park  Haves Way Cappock Staffordshire	Registration No*: N/A         Branch No*: N/A         Address:	Registration No*: 502605000 Branch No*: 000 Address: Unit 13 Heritage Par	k Registration No <sup>*</sup> :5026050 Branch No <sup>*</sup> : 000 Address: Unit 13 Heritage Hayes Way Cannock Sta	00 Park
Postcode: Tel No:	Postcode: WS11 7LT	Postcode:	1 000000	Cardiff Postcode: WS11 7LT Tel No: 01543 425349	
PART 7 : SUPPLY CHARACTERIST	CS AND EARTHING ARRANGEMENTS				
System type and earthing arrangements TN-C-S: ( N/A ) TN-S: ( N/A ) Other <i>(state)</i> : N/A Supply protective device (BS (EN) 60947-2	TT: ( ) AC	3-phase, 3-wire: ( N/A 3-p	ther: (N/A Nominal frequent (	tage, U <sup>(1)</sup> : ( <sup>400</sup> ) V tage to Earth, U <sub>0</sub> <sup>(1)</sup> : ( <sup>230</sup> ) V	<sup>(1)</sup> By enquiry, measurement, by calculation
PART 8 : PARTICULARS OF INSTA	LLATION REFERRED TO IN THIS CERTIF	ICATE			
Maximum demand (load): (200) XVA (delete as appropri Means of Earthing Distributor's facility: ( Installation earth electrode: (	(material Copper	water installation pipes:       (         n²)       Gas installation pipes:       (         Structural steel:       (         officiency       (	Main switch / Switch-fuse / CirType:(BS (EN) 610Location:(Adjacent toIANo. of poles:(4Current rating:(100) A	cuit-breaker / RCD 109 5 Generator Rating / setting of device: Voltage rating:	) ( <sup>N/A</sup> ) A ( <sup>400</sup> ) V
Where an earth electrode is used insert Type – rod(s), tape, etc: (Earth Rod Location: (Adjacent to Generator	Main protective bonding conductors: ) (material Copper	Lightning protection: ( <sup>N</sup>	Where an RCD is used as the m RCD rated residual operating cu Measured operating time: (40.1.	ain switch rrent, $I_{\Delta n}$ :	(100) m. ( <mark>N/A) m.</mark>

#### \*Where applicable

Electrode resistance to Earth:

\*\* Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, Inf, and external earth fault loop impedance, Z<sub>a</sub>, must be recorded.

,99.9

..)Ω

Enter a ( $\checkmark$ ) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A This certificate is based on the model forms shown in Appendix 6 of BS 7671 Certsure LLP operates the NICEIC & ELECSA brands Published by Certsure LLP @ Copyright Certsure LLP (July 2018) Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

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### **ELECTRICAL INSTALLATION CERTIFICATE**

**Original** (to the person ordering the work) Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PA	RT 9 : SCHEDULE OF ITEMS INSPECTED – continues	on next	page			
1. E	xternal condition of electrical intake equipment (visual inspectio	on only)	3.3 FELV – requirements satisfied:	( N/A )	7.15 Indication of SPD(s) continued functionality confirmed:	( N/A )
	Service cable: () 1.2 Service head:	( <b>/</b> )	3.4 Reduced low voltage – requirements satisfied:	(•	7.16 Selection of protective devices(s) and base(s); correct type and rating:	()
1.5	Earthing arrangement: () 1.4 Meter tails: Metering equipment: () 1.6 Isolator (where present):	()	<ul> <li>4. Additional protection</li> <li>4.1 The presence and effectiveness of additional protection methods used, as follows:</li> </ul>		<ul><li>7.17 Single-pole protective devices in line conductors only:</li><li>7.18 Protection against mechanical damage where</li></ul>	()
2. P	arallel or switched alternative sources of supply		<ul> <li>a) RCDs not exceeding 30 mA operating current, as specified</li> </ul>	(	cables enter equipment:	()
2.1	Presence of adequate arrangements where generator to operate as a switched alternative:	е	b) Supplementary bonding	(N/A)	7.19 Protection against electromagnetic effects where cables enter ferromagnetic enclosures:	(
	the public supply	(N/A )	5. Basic protection (# For use in controlled / supervised conditions only)5.1Presence and adequacy of protective measures to provide basic	protection:	7.20 Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals	
2.2	Presence of adequate arrangements where generator to operate in parallel with public supply: a) Correct connection of generator in parallel	(N/A)	<ul><li>a) Insulation of live parts</li><li>b) Barriers or enclosures</li></ul>		and are tight and secure: 7.21 Presence of RCD six-monthly test notice, where required:	() ()
	b) Compatibility of characteristics of means of generation	(N/A ()	<ul> <li>c) Obstacles ‡</li> <li>d) Placing out of reach ‡</li> </ul>	() ()	7.22 Presence of diagrams, charts or schedules at or near each distribution board, where required:	( <b>/</b> )
	<ul> <li>Means to provide automatic disconnection of generator in the event of loss of public supply or voltage or frequency deviation beyond declared values</li> </ul>	, N/A	6. Basic and fault protection	, N/A	<ul><li>7.23 Presence of next inspection recommendation label:</li><li>7.24 Presence of non-standard (mixed) cable colour warning notice</li></ul>	()
	d) Means to prevent connection of generator in the event of loss of public supply or voltage or frequency	() , N/A	<ul><li>a) SELV</li><li>b) PELV</li><li>c) Double or reinforced insulation</li></ul>	() (N/A () ()	<ul> <li>at or near the appropriate distribution board, where required:</li> <li>7.25 Presence of other required labelling:</li> </ul>	()
	deviation beyond declared values e) Means to isolate generator from public supply	() (N/A ()		() o ()	8. Circuits 8.1 Identification of conductors:	()
2.3	Presence of alternative / additional supply warning notices at or ne	ar:	7. Distribution equipment		8.2 Cables correctly supported throughout, with protection	. ,
	a) The origin	N/A ()	7.1 Adequacy of working space / accessibility:	()	against abrasion:	()
	b) The meter position, if remote from origin	(N/A ()	7.2 Security of fixing:		8.3 Examination of cables for signs of mechanical damage during installation:	()
	c) The consumer unit / distribution board to which the alternative / additional sources are connected	N/A () ,N/A	<ul><li>7.3 Insulation of live parts not damaged during erection:</li><li>7.4 Adequacy / security of barriers:</li></ul>	() ()	8.4 Examination of installation of live parts,	()
	d) All points of isolation of ALL sources of supply	()	7.5 Suitability of enclosures for IP and fire ratings:	()	not damaged during erection:	()
3. A	utomatic disconnection of supply		7.6 Enclosures not damaged during installation:	()	8.5 Non-sheathed cables protected by enclosure in conduit, ducting or trunking:	()
3.1	Presence and adequacy of protective earthing / bonding arrangeme	ents	7.7 Presence and effectiveness of obstacles:	()	8.6 Suitability of containment systems (including flexible conduit):	()
	as follows:		7.8 Presence and operation (functional) check of main switch(es):	()	8.7 Correct temperature rating of cable insulation:	()
	a) Distributor's earthing arrangement or installation earth electrode arrangement	()	7.9 Components are suitable according to assembly manufacturer's instructions or literature:	()	<ul><li>8.8 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation:</li></ul>	· • ·
	b) Earthing conductor and connections	()	7.10 Operation of circuit-breakers and RCDs to prove functionality:	( <b>/</b>	8.9 Adequacy of protective devices: type and fault current rating	()
	c) Main protective bonding conductors and connections	()	7.11 RCD(s) provided for fault protection, where specified:	(	for fault protection:	()
	d) Earthing / bonding labels at all appropriate locations	()	7.12 RCD(s) provided for protection against fire, where specified:	()	8.10 Adequacy of AFDD(s), where specified:	(N/A
3.2	Accessibility of:	· • .	7.13 RCD(s) provided for additional protection, where specified:	()	8.11 Presence and adequacy of circuit protective conductors:	(
	a) Earthing conductor connections	()	7.14 Confirmation overvoltage protection (SPDs) provided,	, N/A	8.12 Coordination between conductors and overload protective device	
	b) All protective bonding connections		where specified:	()		

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## **ELECTRICAL INSTALLATION CERTIFICATE**

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

#### PART 9 : SCHEDULE OF ITEMS INSPECTED 8.13 Wiring systems and cable installation methods / practices appropriate 8.24 Adequacy of connections, including cpcs, within 10. Current-using equipment (permanently connected) V ) ( 1 to the type and nature of installation and external influences: accessories and at fixed and stationary equipment: 10.1 Suitability of equipment in terms of IP and fire ratings: 8.14 Cables concealed under floors, above ceilings, 9. Isolation and switching 10.2 Enclosure not damaged / deteriorated during installation so V V in walls / partitions, adequately protected against damage: as to impair safety: 9.1 Isolators: V V 8.15 Cables installed in walls / partitions, installed in prescribed zones: ( V 10.3 Suitability for the environment and external influences: a) Presence and location of appropriate devices V 8.16 Provision of additional protection by RCDs having rated residual V 10.4 Security of fixing: b) Capable of being secured in the OFF position operating current $(I_{\Lambda n})$ not exceeding 30 mA: V 10.5 Cable entry holes in ceilings above luminaires, sized or sealed Correct operation verified (functional check) c) V a) For all socket-outlets with a rated current not exceeding so as to restrict the spread of fire: V d The installation, circuit or part thereof that will be isolated 32 A or less, unless exempt 10.6 Recessed luminaires (downlighters): is clearly identified by location and / or durable marking b) For supplies to mobile equipment with a current rating V V a) Correct type of lamps fitted e) Warning notice posted in situations where live parts not exceeding 32 A for use outdoors (..... V cannot be isolated by the operation of a single device b) Installed to minimise build-up of heat c) For cables concealed in walls / partitions at a depth of 1 1 V 9.2 Switching off for mechanical maintenance: 10.7 Provision of undervoltage protection, where specified: less than 50 mm V ~ a) Presence of appropriate devices 10.8 Provision of overload protection, where specified: d) For cables concealed in walls / partitions containing V V V metal parts regardless of depth b) Acceptable location (local or remote) 10.9 Adequacy of working space / accessibility to equipment: V e) For circuits supplying luminaires within domestic c) Capable of being secured in the OFF position 11. Special installations or locations V (household) premises only d) Correct operation verified (functional check) List below any special installations or locations which are part of the installation to 8.17 Provision of fire barriers, sealing arrangements so as be verified, and confirm that the additional requirements given in the respective e) The installation, circuit or part thereof to be disconnected V V to minimise the spread of fire: clearly identified by location and / or durable marking section of Part 7 are fulfilled: V V Shower rooms 8.18 Band II cables segregated / separated from Band I cables: 9.3 Emergency switching / stopping: V N/A 8.19 Cables segregated / separated from non-electrical services: a) Presence of appropriate devices N/A 8.20 Termination of cables at enclosures: b) Readily accessible for operation where danger might occur (.....) N/A V a) Connections under no undue strain c) Correct operation verified (functional check) (..... V No basic insulation of a conductor visible outside enclosure b) d) The installation, circuit or part thereof to be disconnected ..... N/A V c) Connections of live conductors adequately enclosed clearly identified by location and / or durable marking Details must be appended on a separate numbered page (see PART 10 below) V N/A d) Adequately connected at point of entry to enclosure e) Firefighter's switches present, where required: SCHEDULE OF ITEMS INSPECTED BY V 9.4 8.21 Suitability of circuit accessories for external influences: Functional switching: V **/** Name (capitals): ADAM GREEN 8.22 Circuit accessories not damaged during erection: a) Presence of appropriate devices ~ b) Correct operation verified (functional check) 8.23 Single-pole devices for switching or protection Date: 04/02/2023 V Signature: in line conductors only:

#### PART 10 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspection	15	Schedule of Circuit Det for the installation		Additional pages, inclu for additional sources	ding data sheets	Special installations of (indicated in item 11 al		Continuation sheets	
Page No(s):	( 4 & 5)	Page No(s):	(6, 7-11))	Page No(s):	( <u>None</u> )	Page No(s):	(.12)	Page No(s):	( <u>None</u> )
			The	pages identified are an e	ssential part of this ce	rtificate.			

of *BS 7671* Enter a ( $\checkmark$ ) or value in the respective fields, as appropriate. Where an item is not applicable insert N/A

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This certificate is based on the model forms shown in Appendix 6 of *BS 7671* Enter a (✓) or Published by Certsure LLP Certsure LLP operates the NICEIC & ELECSA brands Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

Original (to the person ordering the work)

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### **ELECTRICAL INSTALLATION CERTIFICATE**

P/	ART 11 : SCHEDULE OF CIRCUIT	r det/	AILS A					Circuits	s/equipr				•	n testing	,		•••••									
CO	DES for Type of wiring (A) Thermoplastic insulate sheathed cables	<sup>.d /</sup> (B)	Thermopla: metallic co	stic cables i nduit	n (C) n	hermoplasti on-metallic	c cables in conduit	(D) <sup>Thermop</sup> metallic	plastic cable trunking	<sup>is in</sup> (E	E) Thermopl	astic cables i llic trunking	n (F) Th	ermoplastic / S	SWA cables	(G) Thermo	setting / SWA o	ables (H	) Mineral-insu	lated cables	(O) other	- state:	N/A			
	Circuit description		po	served		cuit ctor csa	uo		Protective			RCD	nitted lled vice*		Circu	ıit impedanc	es (Ω)		Insu	lation resis	tance		earth ce, <i>Zs</i>	RCD operating	Tes butto	
Circuit number		Type of wiring (see Codes)	ference Method ( <i>BS 7671</i> )	Number of points se			Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, $I_{\Delta n}$	Maximum permitted Z <sub>S</sub> for installed protective device*	Ring (mea	final circui sured end t		All cir (complete one co	e at least	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth fault loop impedance, Zs	time		
			Ref	Numt	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≅ (s)			(A)	హ్ (kA)	(mA)	(Ω)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) <i>r</i> 2	$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(⁄)	Ω)	(ms)	RCD (√)	AFDD (√)
1L1	Hot water heater 1 LG WC	А	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.37		999	999	250	~	0.72	19.3	~	
1L2	Hot water heater 2 LG	А	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.41		999	999	250	~	0.76	19.3	~	
1L3	Hot water heater 3 LG	A	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.37		999	999	250	~	0.72	19.3	V	
2L1	Office/ common room sockets LG	A	102	10	4	1.5	0.4	61009	В	20	10	30	1667				1.76		999	999	500	~	2.12	19.3	V	
2L2	Security and cc office sockets LG	βA	102	9	4	1.5	0.2	61009	В	20	10	30	1667				1.17		999	999	500	~	1.52	19.3	~	
2L3	Main hall sockets LG	А	102	9	4	1.5	0.2	61009	В	16	10	30	1667				2.64		999	999	500	~	2.99	19.5	V	
3L1	Kitchen hob LG	А	102	1	10	4	0.2	61009	В	32	10	30	1667				0.39		999	999	500	~	0.74	19.5	~	
3L2	Kitchen hand dryers	А	102	2	4	1.5	0.2	61009	В	20	10	30	1667				0.77		999	999	500	~	1.12	19.5	~	
3L3 Kitchen Sockets LG A 102 9 4 1.5 0.2 61009 B 32 10 30 1667 0.55 0.56 1.20 0.85 999 999 500 ✔ 1.20 19.7 ✔														~												
4L1 WC hand dryer 1 LG A 102 1 4 1.5 0.2 61009 B 20 10 30 1667 B 0.57 999 999 500 V 0.92 19.7 V														~												
4L1       WC hand dryer 1 LG       A       102       1       4       1.5       0.2       61009       B       20       10       30       1667       0.57       999       999       500       ✓       0.92       19.7       ✓         4L2       WC hand dryer 2 LG       A       102       1       4       1.5       0.2       61009       B       20       10       30       1667       0.57       999       999       500       ✓       0.92       19.7       ✓         4L2       WC hand dryer 2 LG       A       102       1       4       1.5       0.2       61009       B       20       10       30       1667       0.72       999       999       500       ✓       1.07       19.5       ✓														~												
4L3	WC Hand dryer 3 LG	А	102	1	4	1.5	0.2	61009	В	20	10	30	1667				0.65		999	999	500	~	1.00	19.3	V	
5L1	Cleaners sockets LG	А	102	5	4	1.5	0.2	61009	В	20	10	30	1667				1.06		999	999	500	~	1.41	19.3	V	
5L2	WC panel heaters	A	102	6	4	1.5	0.2	61009	В	20	10	30	1667				1.34		999	999	500	~	1.69	19.5	~	
5L3	Corridor panel heaters/ sockets	A	102	2	4	1.5	0.2	61009	В	20	10	30	1667				0.64		999	999	500	V	0.99	19.7	~	
6L1	Corridor/kitchen panel heaters	A	102	4	4	1.5	0.2	61009	В	20	10	30	1667				1.67		999	999	500	~	2.02	19.3	V	
6L2	Hot water heater 4 LG kitchen	A	102	1	10	4	0.2	61009	В	40	10	30	1667				0.37		999	999	500	~	0.72	19.3	V	
6L3	Hot water heater 5 LG wc	А	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.38		999	999	250	V	0.73	19.3	~	
D	Istribution Board (DB) Deta	JLS I	DB des	ionatio	, DBG	G1			TEST	FD BY	Na	me (cani	itals). AD		EEN					Position	. Electri	cal T	ester			
	be completed in every case)			n of DB	Girl (	Guides	plant ro				Siç	inature:	<u> </u>	RC	<u>M</u>					Date:	9/02/202	23				
Т	) BE COMPLETED ONLY IF THE	DBIS	S NOT	CON	NECTE	D DIR	ECTLY	TO THE	ORIGI	N OF	THE IN	ISTALL	ATION				TEST I	NSTRU	MENT	S (enter s	serial nur	nber	against	each ins	trument	used)
	pply to DB is from: ( ELU Mains TBS											00) V	No. c	of phases	:(3	)	Multi-fu (51561	nction: 27			( ) (	)ontir N/A	nuity:			)
0v	vercurrent protection device for the di	stributi	on circ	uit 1	Гуре: (В	S EN 60	947-2	)	Ratin	g: ( <sup>200</sup>	) ) A						Insulatio	on resist	ance:		E			op imped	lance:	,
As	sociated RCD (if any) Type: (BS EN	N/A		)	Ν	lo. of po	oles: ( N	/A)	I.	n(	) mA	۱.	Oper	ating tim	e N/A	) ms	( <mark>N/A</mark>									,
	aracteristics at this DB Confirmation of					hase se	equence	confirmed	(where	approp	riate): ( .	<b>/</b> ) 2					Earth ele ( N/A	ectrode	resistan	ce:	F ) (	N/A				)
	certificate is based on the model forms shown i	in Append	dix 6 of <i>E</i>	3S 7671	E	nter a (🗸	) or value	e in the respe									tate source							)		
Publ	ished by Certsure LLP Certsure wick House, Houghton Hall Park, Hought	LLP ope	erates t	he NICE	IC & ELE	CSA bra	ands				LLP (July	2018)	5			, -									age 6 of	12



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## **CONTINUATION SHEET:**

### **ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS**

		T DET	AILS	AND 1	TEST R	ESUL	ſS	Circuits	/equip	ment vu	Inerabl	e to dam	age whe	n testing		•••••	•••••	•••••		•••••			•••••	•••••	•••••	•••••
CO	DES for Type of wiring (A) Thermoplastic insulated sheathed cables	<sup>d /</sup> (B)	Thermopla: metallic co	stic cables ir nduit	n (C) n	nermoplastic on-metallic c	cables in conduit	(D) <sup>Thermop</sup> metallic t	lastic cable runking	<sup>es in</sup> (E	) Thermopla	astic cables ir Ilic trunking	<sup>1</sup> (F) The	ermoplastic / S	SWA cables	(G) Thermos	etting / SWA ca	ibles (H	) Mineral-insu	lated cables	(O) other	: - state:	N/A			
	Circuit description		po	erved		cuit ctor csa	ion	F	Protective	e device		RCD	mitted lled vice*		Circu	t impedance	es (Ω)		Insu	lation resist	tance		earth Ice, <i>Zs</i>	RCD operating	Te butt	
Circuit number		Type of wiring (see Codes)	Reference Method ( <i>BS 7671</i> )	Number of points served	line		Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, $I_{\Delta n}$	Maximum permi Zs for installe protective devi	(meas	final circuit sured end t	o end)	All circ (complete one col	at least	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth ault loop impedance, Z	time	RCD	AFDD
			ш.	Nun	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≥ (s)			(A)	(kA)	(mA)	(Ω)	(Line) r <sub>1</sub>	(Neutral) r <sub>n</sub>	(cpc) <i>r<sub>2</sub></i>	$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(⁄)	<sup>g</sup> (Ω)	(ms)	()	(🗸)
7L1	Hot water heater 6 LG wc	A	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.40		999	999	250	~	0.75	19.5	~	
7L2	Spare																									
7L3	Main hall sockets	A	102	10	4	1.5	0.2	61009	В	20	10	30	1667				1.36		999	999	500	~	1.71	19.7	~	
8L1	FCU / BC box LG	А	E	1	4	1.5	0.2	61009	В	20	10	30	1667				0.94		999	999	500	~	1.29	19.3	~	
8L2	Hot water heater 7 LG wc	А	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.41		999	999	500	~	0.76	19.3	~	
8L3	Corridor cleaners sockets LG	А	102	7	4	1.5	0.2	61009	В	16	10	30	1667				2.64		999	999	500	~	2.99	19.3	~	
9L1	A 102 1 10 4 0.2 61009 B 45 10 30 1667 B 66 0 0 0.2 0.2 0.2 0.2 0.0 0 0 0 0 0 0 0 0																									
9L2	L2       Hot water heater 9 LG mz-ac shower       A       102       1       10       4       0.2       61009       B       45       10       30       1667       0       0.21       999       999       250       ✓       0.56       19.3       ✓         L3       Hot water heater 10 kitchenette       A       102       1       6       2.5       0.2       61009       B       32       10       30       1667       0       0.49       999       999       250       ✓       0.84       19.3       ✓																									
9L3	L3       Hot water heater 10 kitchenette       A       102       1       6       2.5       0.2       61009       B       32       10       30       1667       C       0.49       999       999       250       ✓       0.84       19.3       ✓																									
10L1	0L1 WC hand dryers mezz A 102 2 4 1.5 0.2 61009 B 20 10 30 1667 0 0.92 999 999 500 V 1.27 19.3 V																									
10L2	OL1       WC hand dryers mezz       A       102       2       4       1.5       0.2       61009       B       20       10       30       1667       Image: Constraint of the constr																									
10L3	Hot water heater 12 mezz showe	rA	102	1	10	4	0.2	61009	В	45	10	30	1667				0.35		999	999	250	V	0.70	19.3	~	
11L1	Hot water heater 13 mezz wc	А	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.53		999	999	250	~	0.88	19.3	~	
11L2	Hot water heater 14 mezz ac wc	A	102	1	6	2.5	0.2	61009	В	32	10	30	1667				0.57		999	999	250	~	0.92	19.3	~	
11L3	Activity 1 sockets	А	102	6	4	1.5	0.2	61009	В	20	10	30	1667				1.13		999	999	500	~	1.48	19.3	~	
12L1	Activity 2 sockets	A	102	7	4	1.5	0.2	61009	В	20	10	30	1667				1.74		999	999	500	~	2.09	19.5	~	
12L2	Activity 3 sockets	A	102	6	4	1.5	0.2	61009	В	20	10	30	1667				1.34		999	999	500	~	1.69	19.5	V	
12L3	MVHR supplies LG	A	102	8	4	1.5	0.2	61009	В	20	10	30	1667				1.39		999	999	500	~	1.74	19.7	~	
DI	STRIBUTION BOARD (DB) DETA	ILS	DB des	ignation	n:DBGC	<b>G</b> 1			TEST	ED BY	Na	, ime (cani	tals). AD	AM GRI	EEN	·				Position	. Electri	cal T	ester			
I .	be completed in every case)		Locatio	n of DB	Girl G	uides p	olant ro				Sig	gnature:	AG	RÆN	~						9/02/20		<u> </u>			
ТО	BE COMPLETED ONLY IF THE	DB IS	S NOT	CONI	NECTE	D DIR	ECTLY	TO THE	ORIGI	IN OF	THE IN	ISTALL	ATION				TEST IN	ISTRU	MENT	S (enter s	serial nui	mber	against	each ins	strument	used)
Su	oply to DB is from: ( ELU Mains TBS							)	Nom	inal volt	age: ( 4	00) V	No. o	of phases	:(3	.)	Multi-fur 51561	ction: 27			( ) (	Contir ( N/A	nuity:			)
	ercurrent protection device for the dis									ng: ( 200							Insulatio	n resist	ance:			Earth	fault lo	op impe	dance:	,
As	sociated RCD (if any) Type: (BS EN	N/A		)	Ν	lo. of po	les: ( N/	(A)	I	Δ <i>n</i> (	) mA	١	Oper	ating time	e (N/A	.) ms	(		• .	•••••		(	•••••			)
Cha	aracteristics at this DB Confirmation c	of supply	y polari	ty: (	<b>/</b> ) P	hase se	quence	confirmed (	where	appropr	iate): ( .	) 2	Z <sub>s</sub> ( <sup>0.35</sup>	)Ω I <sub>µ</sub>	ρ.8 <sub>of</sub> (	.) kA	Earth ele (	ctrode	resistan	ce:	) (	RCD: N/A				)
	rm is based on the model forms shown in App shed by Certsure LLP Certsure							e in the respe @ Copy					here figur	e is not tal	ken from <i>l</i>	3 <i>S 7671</i> , st	ate source:	( N/A					)	Page	7 <sub>c</sub>	<sub>of</sub> 12



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## **CONTINUATION SHEET:**

### ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS

 ${\it Issued in \ accordance \ with \ BS \ 7671: 2018-Requirements \ for \ Electrical \ Installations}}$ 

Construction         Operation		N / WW : SCHEDULE OF CIRCU	IT DE	TAILS .	AND <sup>.</sup>				Circuit	s/equip	ment vu	Inerabl	e to dam	age whe	n testing												· · · · · · · · · ·
Build         Description         Build	CO	DES for Type of wiring (A) Thermoplastic insulate sheathed cables	<sup>d /</sup> (B)	Thermoplas metallic con	tic cables i duit	in (C) <sup>1</sup>	'hermoplastii ion-metallic i	c cables in conduit	(D) Thermo	plastic cable trunking	<sup>es in</sup> (E	) Thermopl	astic cables i Ilic trunking	n <b>(F)</b> The	ermoplastic / S	SWA cables	(G) Thermo	setting / SWA	cables (H	) Mineral-inst	ulated cables	(0) other	- state:	N/A			
image         image <t< td=""><td></td><td>Circuit description</td><td></td><td></td><td></td><td>Ci</td><td></td><td>_</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>Circu</td><td>it impedanc</td><td>:es (Ω)</td><td></td><td>Insu</td><td>lation resist</td><td>ance</td><td></td><td>th , Zs</td><td>RCD</td><td>Te</td><td>st</td></t<>		Circuit description				Ci		_		-						Circu	it impedanc	:es (Ω)		Insu	lation resist	ance		th , Zs	RCD	Te	st
image         image <t< td=""><td>nber</td><td></td><td>iring es)</td><td>1ethod (1)</td><td>ts sen</td><td>condu</td><td></td><td>1ectior (671)</td><td></td><td></td><td></td><td></td><td>ing ∕∆n</td><td>permi nstalle e devic</td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td><td>arity</td><td>red ear edance</td><td></td><td>butte</td><td>ons</td></t<>	nber		iring es)	1ethod (1)	ts sen	condu		1ectior (671)					ing ∕∆n	permi nstalle e devic				<u> </u>					arity	red ear edance		butte	ons
image         image <t< td=""><td>uit nur</td><td></td><td>e of wi</td><td>ence N B<i>S 76</i>7</td><td>of poin</td><td></td><td></td><td>lisconr e (<i>BS 7</i></td><td>â</td><td>٩</td><td>бu</td><td>circuit city</td><td>)perat urrent,</td><td>kimum s for il tectiv</td><td></td><td></td><td></td><td>(complet</td><td>e at least</td><td></td><td></td><td>voltage</td><td>Pol</td><td>measu op impe</td><td></td><td></td><td></td></t<>	uit nur		e of wi	ence N B <i>S 76</i> 7	of poin			lisconr e ( <i>BS 7</i>	â	٩	бu	circuit city	)perat urrent,	kimum s for il tectiv				(complet	e at least			voltage	Pol	measu op impe			
Sprepare         No.         N	Circ		Typ (se	Refere (,	mber	Live	CDC	Max. c time	BS (I	TYF	Rati	Short- capa	00	Drd Z	(Line)	(Neutral)	(cnc)	one co	numn)	-		DC		Max. ault lo		RCD	AFDD
1312       FCU supply mezz 01/02/03       A       102       10       4       15       0.2       81009       B       20       100       30       1667       0.88       999       999       500       1.23       15.5 $\checkmark$ 1333       Spare       A       102       10       1       50098       C       63       10       5000       0.29       999       999       500 $\checkmark$ 0.64       D         1433       GG Shop DB TP       A       1       60898       C       63       10       5000       0.29       999       999       900 $\checkmark$ 0.64       D         143       GG Shop DB TP       A       1       60898       C       63       10       5000       0.12       999       999       900 $\checkmark$ 0.64       D       D         143       GG Apartment supply       G       E       1       61689       616       1       60898       C       63       10       5000       0.12       999       999       900 $\checkmark$ 0.47       0.47       0.47       0.47       0.47       0.47       0.47       0.47       0.47       0.47						(mm <sup>2</sup> )	(mm <sup>2</sup> )	(s)				(kA)							R <sub>2</sub>					(Ω)			(⁄)
Spare       v <td></td> <td></td> <td>2A</td> <td>-</td> <td>-</td> <td><u> </u></td> <td></td> <td>-</td> <td></td> <td></td> <td>~</td> <td></td>			2A	-	-	<u> </u>																	-			~	
intP       G       E       1       60898       C       63       10       500       1       0.29       999       999       500       ✓       0.64       ✓ <th<✓< th="">       ✓       ✓       ✓<!--</td--><td></td><td></td><td>A</td><td>102</td><td>10</td><td>4</td><td>1.5</td><td>0.2</td><td>61009</td><td>В</td><td>20</td><td>10</td><td>30</td><td>1667</td><td></td><td></td><td></td><td>0.88</td><td></td><td>999</td><td>999</td><td>500</td><td>~</td><td>1.23</td><td>19.5</td><td>~</td><td></td></th<✓<>			A	102	10	4	1.5	0.2	61009	В	20	10	30	1667				0.88		999	999	500	~	1.23	19.5	~	
Hard       GG Shop DB TP       Image: Control of the second problem of the second p		-																	_								
Mail       GG Shop DB TP       Image: Complex Signal product on the signal product			G	E	1			1	60898	С	63	10		500				0.29	_	999	999	500	~	0.64			
Ball       GA partment supply       G       E       1       16       1		·																									
19.2       Spare       Image: Spare<		<sup>15L1</sup> GG Apartment supply G E 1 16 16 1 60898 C 63 10 500 0.12 999 999 500 🖌 0.47																									
19.13       Spare       Image: Spare<		512 Spare 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																									
184.1       Spare       Image: Spare		15L2       Spare       Image: Constraint of the system of the sys																									
1842       Spare       Image: Spare<		512       Spare       Spare       Image: Spare																									
1813       Spare       Image: Spare interfactor of the strain of		5L3       Spare       Image: Spare state																									
171.1       Spare       0		Share       Spare       Image: Share       Image: Share<																									
171.2       Spare       Image: Constraint of the straint of t	16L3	Spare																									
171.3       Spare       Image: Spare	17L1	Spare																									
Ist P       3 phase temp supply metre       F       B       1       4       4       0.2       60898       C       10       500       0.03       999       999       500       ✓       0.38           18L2       Spare       Image: Construction of DB       Defension DBGGI       Image: Construction of DB       Image: Construction of Construction of Construction of DB       Image: Construction of DB <td>17L2</td> <td>Spare</td> <td></td>	17L2	Spare																									
IB12       Spare       Image: Construction of the series of the distribution of supply polarity:       DB designation: DBGG1 Location of DB: Girl Guides plant room       TESTED BY       Name (capitals): ADAM GREEN Signature:       Position: Electrical Tester Date: 09/02/2023         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DBGG1 Location of DB: Girl Guides plant room       TESTED BY       Name (capitals): ADAM GREEN Signature:       Position: Electrical Tester Date: 09/02/2023         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION       Nominal voltage: (400) V       No. of phases: (3)         Overcurrent protection device for the distribution circuit       Type: (BS EN 60947-2)       Rating: (200) A       Multi-function: (MA       Continuity: (NA         Associated RCD (if any)       Type: (BS EN MA       No. of poles: (MA       Image: (200) A       Image: (200) A       Image: (200) A         Characteristics at this DB       Confirmation of supply polarity: (	17L3	Spare																									
IBL3       Spare       DB       designation: DBGG1 Location of DB. Girl Guides plant room       TESTED BY       Name (capitals): ADAM GREEN Signature:       Position: Electrical Tester         DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DBGG1 Location of DB. Girl Guides plant room       TESTED BY       Name (capitals): ADAM GREEN Signature:       Position: Electrical Tester         Distribution circuit       Type: (BS EN CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION Supply to DB is from: (ELU Mains TBS Overcurrent protection device for the distribution circuit       Type: (BS EN 60947-2)       Nominal voltage: (400) V       No. of phases: (3)         No. of poles: (N/A)       No. of poles: (N/A)       No. of poles: (N/A)       No. of poles: (N/A)       Continuity: (N/A)         Characteristics at this DB       Confirmation of supply polarity: (,)       Phase sequence confirmed (where appropriate): (, Z <sub>S</sub> (0.35) Ω / <sub>pf</sub> (0.8) KA       For the destribution circuit       RCD: (N/A)	18TP	3 phase temp supply metre	F	В	1	4	4	0.2	60898	С	10	10		500				0.03		999	999	500	V	0.38			
DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DBGG1 Location of DB: Girl Guides plant room       TESTED BY Signature: ADAM GREEN         Position: Electrical Tester         Date: 09/02/2023         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION         Supply to DB is from: (ELU Mains TBS)       Nominal voltage: (400) V       No. of phases: (3)         Overcurrent protection device for the distribution circuit       Type: (BS EN $\frac{60947-2}{1.000}$ )       Rating: (200) A       A         Associated RCD (if any)       Type: (BS EN $\frac{N/A}{1.0000}$ )       No. of poles: ( $\frac{N/A}{1.000000}$ )       Jon (where appropriate): ( $\frac{N}{1.000000000000000000000000000000000000$	18L2	Spare																									
DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)       DB designation: DBGG1 Location of DB: Girl Guides plant room       TESTED BY Signature: ADAM GREEN         Position: Electrical Tester         Date: 09/02/2023         TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION         Supply to DB is from: (ELU Mains TBS)       Nominal voltage: (400) V       No. of phases: (3)         Overcurrent protection device for the distribution circuit       Type: (BS EN $\frac{60947-2}{1.000}$ )       Rating: (200) A       A         Associated RCD (if any)       Type: (BS EN $\frac{N/A}{1.0000}$ )       No. of poles: ( $\frac{N/A}{1.000000}$ )       Jon (where appropriate): ( $\frac{N}{1.000000000000000000000000000000000000$	18L3	Spare																									
(to be completed in every case)       Location of DB: Girl Guides plant room       Signature:       ARAC       Date: 09/02/2023 <b>TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</b> Test instrument used)       Multi-function:       Continuity:         Supply to DB is from:       (ELU Mains TBS)       Nominal voltage:       (400) V       No. of phases:       (3)         Overcurrent protection device for the distribution circuit       Type:       (BS EN $\frac{60947-2}{NA}$ )       Rating:       (200) A         Associated RCD (if any)       Type:       (BS EN $\frac{N/A}{A}$ )       No. of poles: $N/A$ ) $I_{\Delta n}$ () mA       Operating time $\frac{N/A}{A}$ )       Insulation resistance:       Earth fault loop impedance:         (N/A       (N/A       (N/A       (N/A       (N/A       (N/A       (N/A			ILS	DB desi	anatio	n.DBG	G1		<u> </u>	TEST		Na	me (cani	tals). AD	AM GR	EEN					Position	. Electri	cal T	ester			
TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION         Supply to DB is from:       (ELU Mains TBS)       )       Nominal voltage:       (400)       )       V       No. of phases:       (3)       )         Overcurrent protection device for the distribution circuit       Type:       (BS EN 60947-2)       Rating:       (200)       )       A         Associated RCD (if any)       Type:       (BS EN N/A)       No. of poles: $N/A$ ) $I_{\Delta n}$ ) $D_{perating time}$ $N/A$ )       Insulation resistance:       Earth fault loop impedance:       (N/A)       )         Characteristics at this DB       Confirmation of supply polarity:       )       Phase sequence confirmed (where appropriate): $Z_S$ $D_{35}$ $\Omega$ $I_{pf}$ $D_{83}$ NA         This form is beneded form observe is form in a trute in the metric field as community. $WHere firm in anticipartic form in anticipartic form in anticipartic form in anticipartic field as community.       N/A       )       N/A       )$				Locatio	n of DB	. Girl C	Guides																				
Supply to DB is from:       ELU Mains TBS       Nominal voltage: $(400)$ V       No. of phases: $(3)$ <b>Overcurrent protection device for the distribution circuit</b> Type:       (BS EN $60947-2$ )       Rating: $(200)$ A <b>Associated RCD (if any)</b> Type:       (BS EN $N/A$ )       No. of poles: $N/A$ Operating time $(N/A)$ ms       Insulation resistance:       Earth fault loop impedance: $(N/A)$	<u> </u>													1 -													
Overcurrent protection device for the distribution circuit       Type: (BS EN $\frac{60947-2}{N/A}$ )       Rating: ( $\frac{200}{A}$ ) A         Associated RCD (if any)       Type: (BS EN $\frac{N/A}{A}$ )       No. of poles: ( $\frac{N/A}{A}$ ) $I_{\Delta n}$ () mA       Operating time ( $\frac{N/A}{A}$ )       Insulation resistance: ( $\frac{N/A}{A}$ )       Earth fault loop impedance: ( $\frac{N/A}{A}$ )         Characteristics at this DB       Confirmation of supply polarity: ()       Phase sequence confirmed (where appropriate): () $Z_S \begin{pmatrix} 0.35 \\ 0.35 \\ 0.35 \end{pmatrix}$ ) $Q_{pf} \begin{pmatrix} 0.8 \\ 0.8 $	TC	BE COMPLETED ONLY IF THE	DB I	S NOT	CON	NECTE	D DIR	ECTLY	TO THE	ORIGI	N OF	THE IN	ISTAL	ATION						JMENT	S (enter s			-	each ins	trument	used)
Overcurrent protection device for the distribution circuit       Type: (BS EN $\frac{60947-2}{N/A}$ )       Rating: ( $\frac{200}{A}$ ) A         Associated RCD (if any)       Type: (BS EN $\frac{N/A}{A}$ )       No. of poles: ( $\frac{N/A}{A}$ ) $I_{\Delta n}$ () mA       Operating time ( $\frac{N/A}{A}$ )       Insulation resistance: ( $\frac{N/A}{A}$ )       Earth fault loop impedance: ( $\frac{N/A}{A}$ )         Characteristics at this DB       Confirmation of supply polarity: ()       Phase sequence confirmed (where appropriate): () $Z_S \begin{pmatrix} 0.35 \\ 0.35 \\ 0.35 \end{pmatrix}$ ) $Q_{pf} \begin{pmatrix} 0.8 \\ 0.8 $	Su	oply to DB is from: ( ELU Mains TBS	3						)	Nom	inal volt	tage: ( <sup>4</sup>	100 ) V	No. o	of phases	: ( 3	.)	Multi-fu	nction: 27			(	Contir	nuity:			,
Associated RCD (if any) Type: (BS EN N/A) No. of poles: $(N/A)$ $I_{\Delta n}$ $()$ mA Operating time $(N/A)$ ms Characteristics at this DB Confirmation of supply polarity: $()$ Phase sequence confirmed (where appropriate): $()$ $Z_s$ $(0.35)$ $\Omega$ $I_{pf}$ $(0.8)$ $(N/A)$													,		F	,	,	(	• • • • • • • • • • • • •			) (	(	• • • • • • • • • • •			)
<b>Characteristics at this DB</b> Confirmation of supply polarity: () Phase sequence confirmed (where appropriate): () $Z_s \begin{pmatrix} 0.35 \\ \end{pmatrix} \Omega = l_{pf} \begin{pmatrix} 0.8 \\ \end{pmatrix} kA$ Earth electrode resistance: RCD: () $N/A$ This form is based on the model form shown is Associated on the sequence is the secret in fields as conversite. * Where form is antitalen form RS 7671 state secret $N/A$														~		N/A	,	insulation (N/A	on resist	ance:		.) (	:arth N/A	tault lo	op imped	iance:	)
							-			-								,			ce:						
This form is based on the model forms shown in Appendix 6 of BS 7671 Enter a (🗸) or value in the respective fields, as appropriate. * Where figure is not taken from BS 7671, state source: (N/A	Ch	aracteristics at this DB Confirmation of	of suppl	y polarit	y: (	•••••) F	hase se	quence	confirmed	(where	approp	riate): ( .		-		-									<u> </u>	<u> </u>	)
Published by Certsure LLP Certsure LLP operates the NICEIC & ELECSA brands @ Copyright Certsure LLP (July 2018) Page 8 of 12														/here figur	e is not ta	ken from I	B <i>S 7671</i> , s	tate sourc	e: ( N/A					)	Page	8	<sub>of</sub> 12



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ISN18C

# **CONTINUATION SHEET:**

### **ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS**

Delete	N / YPN : SCHEDULE OF CIRCUI	IT DET	TAILS	AND	FEST R	ESUL	TS	Circuits	s/equipr	ment vu	Inerabl	e to dam	age whe	n testing	<u>,</u>											·····
CO	DES for Type of wiring (A) Thermoplastic insulated sheathed cables	<sup>d /</sup> (B)	Thermopla: metallic co	stic cables i nduit	n (C) n	nermoplasti on-metallic	c cables in conduit	(D) Thermop	lastic cable trunking	<sup>es in</sup> (E	) Thermopl non-meta	astic cables ir Ilic trunking	<sup>n</sup> (F) The	ermoplastic / S	WA cables	(G) Thermos	etting / SWA cab	les (H	) Mineral-insu	ulated cables	(O) other	r - state:	FP200	) Enhan	ced	
ar	Circuit description	5	hod	served		cuit ctor csa	tion /)	F	Protective	device	_	RCD	rmitted alled evice*		Circuit	t impedance	es (Ω)		Insu	lation resis	tance	2	earth nce, Zs	RCD operating	Te: butte	
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Live	cpc	Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, I <sub>Δn</sub>	Maximum permitte Z <sub>S</sub> for installed protective device*	Ring t (meas (Line)	final circuits sured end to (Neutral)		All circu (complete a one colu	: least nn)	Live / Live	Live / Earth	Test voltage DC	Polarity	Max. measured earth fault loop impedance, Z	time .	RCD	AFDD
1L1	Plant, common, sec, office lighting LG	Δ	102	9	(mm <sup>2</sup> ) 2.5	(mm <sup>2</sup> ) 1.5	(s) 0.2	61009	C	(A) 10	(kA) 10	(mA) 30	(Ω) 1667	r <sub>1</sub>	r <sub>n</sub>	r <sub>2</sub>	$(R_1 + R_2)$ 1.53	R <sub>2</sub>	(MΩ) 999	(MΩ) 999	(V) 250	(√)	(Ω) 1.88	(ms) 19.3	()	(√)
1L2	Reception office, wc lighting LG	A A	102	9 11	2.5	1.5	0.2	61009		-	10	30 30	1667				1.81		999 999	999	250	<b>v</b> <b>v</b>	2.16	19.3 19.3	マ マ	
1L3	Main hall, corridor lighting	Δ	102	19		1.5		61009	B			30 30	1667				2.10		999 999	999	250			19.5 19.5	v v	
2L1	Mezz, stair corridor lighting	Δ	102	12		1.5	0.2	61009	B	-	-	30 30	1667				0.78		999	999	250			19.5 19.5	v v	
2L2	Mezz activity 1,2 lighting	A	102	4		1.5	0.2	61009	B	10	10	30	1667				1.51		999	999	250	-		19.5	V V	
2L3	Mezz activity 3, cleaners cup lighting	A	102	2		1.5	0.2	61009	B	-	10	30	1667				0.82		999	999	250			19.3	v V	
3L1	Mezz shower room lighting	A	102	7		1.5	0.2	61009	B		10	30	1667				0.88		999	999	250		1.23	19.7	~	
3L2	Dis/refuge, WC alarm LG	0	102	3		1.5		61009	- B	-	10	30	1667				0.69		999	999	500			19.7	~	
3L3 Girl Guides access control A 102 2 4 1.5 0.2 61009 B 20 10 30 1667 1.06 999 999 500 🖌 1.41 19.3 🖌																										
4L1	L1 Secretary, CC office intercom LG A 102 3 4 1.5 0.2 61009 B 20 10 30 1667 I 1.69 999 999 500 V 1.44 19.3 V																									
4L2	4L1       Secretary, CC office intercom LG       A       102       3       4       1.5       0.2       61009       B       20       10       30       1667       Image: Addition of the constraint of																									
4L3	4L2       Mezz lobby, stair lift access control       A       102       1       4       1.5       0.2       61009       B       20       10       30       1667       0       0.89       999       999       500       ✓       1.24       19.5       ✓																									
5L1	Kitchen/common room shutter	A	102	1	4	1.5	0.2	61009	В	20	10	30	1667				0.57		999	999	500	V	0.92	19.7	V	
5L2	DDS/ projector, electric clock LG	A	102	11	4	1.5	0.2	61009	В	20	10	30	1667				1.50		999	999	500	V	1.85	19.3	V	
5L3	Twin sockets USB LG	A	102	11	4	1.5	0.2	61009	В	10	10	30	1667				3.04		999	999	500	V	3.39	19.3	V	
6L1	Cleaners, USB sockets Mezz	A	102	4	4	1.5	0.2	61009	В	20	10	10	1667				1.68		999	999	500	~	2.02	19.5	V	
6L2	LG blinds	A	E	2	4	1.5	0.2	61009	В	20	10	30	1667				0.73		999	999	500	~	1.08	19.5	~	
6L3	Main hall blinds	A	E	10	4	1.5	0.2	61009	В	20	10	30	1667				1.01		999	999	500	~	1.36	19.7	~	
I .	STRIBUTION BOARD (DB) DETA be completed in every case)	ILS	DB des Locatic	ignation on of DB	n:DBG0 . Girl G	32 Juides	plant ro	om	TEST	ED BY	'Na Sig	ame (capi gnature:	tals): AD	am gre R <i>ÆN</i>	EN					Position Date:	<sub>1</sub> Electri 9/02/20		ester			
то	<b>BE COMPLETED ONLY IF THE</b>	DBIS	S NOT	CON	NECTE	D DIR	ECTLY	TO THE	ORIGI	N OF	THE IN	ISTALL	ATION				TEST IN	STRU	IMENT	S (enter :	serial nu	mber ;	against	each ins	trument	used)
	oply to DB is from: ( ELU Mains TBS									inal volt	age: ( !	Ŋ/A) V	No. o	of phases	( <u>N/A</u>	)	Multi-fund (515612	tion: 7			)	Contir ( N/A				)
Ov	ercurrent protection device for the dis	stributi	on circ	uit 1	Type: (B	S EN 60	947-2	)	Ratin	g: ( 200	) ) A						Insulation	resist	ance:					op imped	dance:	
As	sociated RCD (if any) Type: (BS EN	N/A		)	Ν	lo. of po	oles: ( N/	/A )	I	\n(	) mA	4	Oper	ating time	∍ ( <mark>N/A</mark>	.) ms	( <mark>.N/A</mark>				)	( N/A	• • • • • • • • • • • •			)
Cha	aracteristics at this DB Confirmation of	of supply	y polari	ity: (!	) P	hase se	quence	confirmed	(where	appropr	iate): ( .		Z <sub>s</sub> (0.35	)Ω I <sub>µ</sub>	ρ.8 <sub>of</sub> (	.)kA	Earth elec ( N/A (	trode	resistan	ce:	)	RCD: (N/A				)
	orm is based on the model forms shown in App							e in the respe									ate source:	N/A								
	shed by Certsure LLP Certsure	LLP ope	erates t	he NICE	IC & ELE	CSA bra	inds	@ Сору								, 50							-,	Page	9 <sub>0</sub>	<sub>of</sub> 12



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# **CONTINUATION SHEET:**

### ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS

 ${\it Issued in \ accordance \ with \ BS \ 7671: 2018-Requirements \ for \ Electrical \ Installations}}$ 

									Circuits/equipment vulnerable to damage when testing														emoplastic / SWA cables         (G) Thermosetting / SWA cables         (H) Mineral-insulated cables         (O) other -state:         FP200 Enhanced           Circuit impedances (Ω)         Insulation resistance         grad         grad <thgrad< th="">         grad         grad</thgrad<>				
COD	ES for Type of wiring (A) Thermoplastic insulat sheathed cables	ted / (B)	Thermoplas metallic cor	tic cables i Iduit	n (C) <sup>Th</sup>	nermoplasti on-metallic	ic cables in conduit	(D) <sup>Thermo</sup> metallic	plastic cabl trunking	<sup>es in</sup> (E	) Thermopl	astic cables ir Ilic trunking	<sup>1</sup> (F) The	ermoplastic / S	(G) Thermo	setting / SWA o	ables (H	) Mineral-insi	(O) other	(0) other - state: FP200 Enhanced							
ber	Circuit description			served	<u> </u>	cuit	5	T	Protective		1	Operating 3 current, I <sub>An</sub> 23	Maximum permitted Z <sub>S</sub> for installed protective device*		Circui	it impedanc	ces (Ω)		Insulation resis		tance	ity	ed earth Iance, Zs	RCD operating			
Circuit number		Type of wiring (see Codes)	Reference Method (BS 7671)	of			Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Hating Short-circuit capacity						(complete at least				voltage	Pola	Aax. measure ult loop impec	une	PCD	AEDD	
			Re	Number	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≦ (s)			(A)	ぶ (kA)	(mA)	(Ω)		1 C C C C C C C C C C C C C C C C C C C		$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	1.1.1	(Ω)	(ms)			
7L1	Mezz blinds	А	E	10	4	1.5	0.2	61009	В	20	10	30	1667				1.93		999	999	500	~	2.28	19.5	~		
7L2	Mezz kitchen sockets	А	102	5	4	1.5	0.2	61009	В	32	10	30	1667	0.49	0.48	1.13	0.79		999	999	500	~	1.14	19.5	~		
7L3	Mezz kitchen cooker supply	А	102	1	10	4	0.2	61009	В	45	10	30	1667				0.40		999	999	500	~	0.75	19.3	~		
3L1	Fire alarm panel reception	0	102	1	4	1.5	0.2	61009	В	20	10	30	1667				0.68		999	999	500	V	1.03	19.7	~		
3L2	Spare																										
3L3	Intruder alarm LG/Mezz	A	102	3	4	1.5	0.2	61009	В	16	10	30	1667				1.69		999	999	500	V	2.04	19.3	~		
9L1	Spare																										
9L2	Spare																										
9L3	Spare																										
10L1	Data Cab supply	А	В	1	2.5	1.5	0.2	61009	В	16	10	30	1667				0.27		999	999	500	V	0.62	19.3	~		
10L2	AC controller supply	А	В	1	2.5	1.5	0.2	61009	В	20	10	30	1667				0.19		999	999	500	V	0.54	19.5	~		
10L3	Spare																										
11L1	Spare																										
11L2	Sare																										
11L3	Spare																										
12L1	Spare																										
12L2	Spare																										
	Spare																										
	TRIBUTION BOARD (DB) DET				n:DBGC		nlant ro	oom	TEST	ED BY	/ Na	ime (capi	tals): AD		EEN												
(to l	e completed in every case)		Locatio	n of DE							Się	nature:		K H A V	<u>.</u>					Date:	9/02/20	23				••••••	
	BE COMPLETED ONLY IF TH ply to DB is from: (ELU Mains TB													fpbaaaa		,						Conți	nuity:				
											•	j V	110.0	i pilases		• 1						•••••					
	rcurrent protection device for the d												0		N/A		Insulatio ( N/A	on resist	tance:		)	Earth N/A	fault lo	oop impe	edance:	)	
	ociated RCD (if any) Type: (BS EN racteristics at this DB Confirmation						oles: ( <mark>N</mark> equence										Earth ele	ectrode	resistan	ce:		RCD: N/A				,	
	m is based on the model forms shown in Ap							e in the respe																			

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This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report. **26837125** 

ISN18C

# **CONTINUATION SHEET:**

### ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS

 ${\it Issued in \ accordance \ with \ BS \ 7671: 2018-Requirements \ for \ Electrical \ Installations}}$ 

ICN / XXX : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS							Circuit	Circuits/equipment vulnerable to damage when testing																		
CODES for Type of wiring (A) Thermoplastic insulated / (B) Thermoplastic cables in (C) Thermoplastic cables in non-metallic conduit						(D) Thermo metallic	(D) Thermoplastic cables in (E) Thermoplastic cables in (F) Thermoplastic / SWA cables							(G) Thermo	setting / SWA	cables (H	) Mineral-ins	ulated cables	(O) othe	(0) other - state: FP200 Enhanced						
nber	Circuit description	ring es)	lethod 1)	served		rcuit ctor csa	lection 671)		Protective device			RCD 6u	bermitted stalled device*	Circuit impedan			;es (Ω)		Insulation re		tance	Polarity	ed earth edance, <i>Zs</i>	RCD operating time		Test ittons
Circuit number		Type of wiring (see Codes)	Reference Method ( <i>BS 7671</i> )				Max. disconnection time ( <i>BS 7671</i> )	BS (EN)	Type	Rating	Short-circuit capacity	Operating current, $I_{\Delta n}$	Maximum permitted Zs for installed protective device*	Ring final circuit (measured end t			All circuits (complete at least one column)		Live / Live	Live / Earth	Test voltage DC	Pol	Max. measured earth fault loop impedance, <i>Zs</i>		BCD	RCD AFDD
			~	Num	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	≥ (s)			(A)	(kA)	(mA)	(Ω)	(Line) r <sub>1</sub>	(Neutral) <i>r<sub>n</sub></i>	(cpc) <i>r<sub>2</sub></i>	$(R_1 + R_2)$	R <sub>2</sub>	(MΩ)	(MΩ)	(V)	(⁄)	 (Ω)	(ms)	( <b>√</b> )	(√)
	Spare																									
	Spare																									
	Spare																									
4L1	Spare																									
	AC Condencer unit 3 CP	G	102	1	4	4	0.2	61009	В	25	10	30	1667				0.40		999	999	500	V	0.75	19.3	~	
4L3	Spare																									
5TP	AC Conencer unit 1 CP	G	102	1	16	Arm	1	60898	В	63	10		1667				0.29		999	999	500	~	0.64			
I6TP	AC Conencer unit 1 CP	G	102	1	4	Arm	0.2	60898	В	16	10		1667				0.60		999	999	500	V	0.95			
7L1	MVHR and Extract	A	102	4	4	1.5	0.2	61009	В	20	10	30	1667	1			0.80		999	999	500	$\square$	1.25	19.5	~	1
7L2	Platform lift	А	102	1	4	1.5	0.2	61009	В	20	10	30	1667				0.51		999	999	500	V	0.68	19.3	V	
7L3	Stair lift	А	102	1	4	1.5	0.2	61009	В	20	10	30	1667				1.20		999	999	500	V	1.55	19.3	~	
18L1	Spare																									
18L2	Platform lift supply	А	102	1	4	1.5	0.2	61009	В	20	10	30	1667				0.87		999	999	500	V	1.22	19.7	V	
	Platform lift oil heater	A	102	1	4	1.5	0.2	61009	В	16	10	30	1667				0.86		999	999	500	~	1.21	19.7	~	
																						+			<u> </u>	
																						┢				+
	STRIBUTION BOARD (DB) DETA	AILS	DB des Locatio	ignatio on of DE	n:DBG( 3: Girl C	G2 Guides	plant ro	bom	TEST	ED BY	Na Siç	ıme (capi ynature: .	tals): AD	dam gr Ræa	REEN				·····		1 1: Electri 19/02/20		Tester			_L
	<b>DECOMPLETED ONLY IF THI</b> pply to DB is from: (ELU Mains TBS														s: ( <u>N/A</u>	.)	Multi-fu	nction:		S (enter :		Conti	nuity:		nstrumen	
	ercurrent protection device for the di												One	atina tin	,N/A	) me	Insulati	on resist	tance:						edance:	
Cha	sociated RCD (if any) Type: (BS EN aracteristics at this DB Confirmation	of supp	ly polari	) ity: (	••••••••••••••••••••••••••••••••••••••	hase se	equence	confirmed	// (where	appropi	riate): ( .	<b>.</b> ) .	0.35	)Ω	ις ( Ι <sub>pf</sub> (	) kA				ce:						
This fo Publi	orm is based on the model forms shown in Ap ished by Certsure LLP Certsure	pendix 6 e LLP op	of <i>BS 767</i> erates tl	71 he NICE	E EIC & ELE	nter a (√ CSA bra	) or valu	e in the respe @ Copy	ective fiel	ds, as apj	propriate	. *W			aken from I								)			<sub>of</sub> 12



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### **GENERAL CONTINUATION SHEET**

N18C

#### NOTES

Shower rooms

Additional protection provided by means of RCD protection.

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### **NOTES FOR RECIPIENT**

#### THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

If you were the person ordering the work, but not the user of the installation, you should pass this certificate, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected, tested and verified in accordance with the national standard for the safety of electrical installations, *BS 7671: 2018 (as amended) - Requirements for Electrical Installations* (the IET Wiring Regulations).

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 every six months. For safety reasons it is important that this instruction is followed.

Also for safety reasons, the complete electrical installation will need to be inspected and tested at appropriate intervals by a skilled person or persons competent in such work. NICEIC\* recommends that you engage the services of an NICEIC Approved Contractor for this purpose. The maximum interval recommended before the next inspection is stated in PART 3. There should be a notice at or near the main switchboard or distribution board indicating the date when the next inspection is due.

Only an NICEIC Approved Contractor or Conforming Body responsible for the construction of the electrical installation is authorised to issue this NICEIC Electrical Installation Certificate.

The certificate, which consists of at least six numbered pages, is only valid if accompanied by the *Schedule of ltems Inspected* and the *Schedule of Circuit Details and Test Results*. The certificate has a printed serial number which is traceable to the Contractor to which it was supplied.

For installations having more than one distribution board (or consumer unit) or more circuits than can be recorded on Page 6, one or more additional *Schedules of Circuit Details and Test Results*, should form part of the certificate.

This certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation, or for the replacement of a distribution board (or consumer unit). It should not have been issued for the inspection of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such a periodic inspection.

This certificate should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to their NICEIC registration for such work.

You should have received the certificate marked 'Original' and the Approved Contractor should have retained the certificate marked 'Duplicate'.

The 'Original' certificate should be retained in a safe place and shown to any skilled person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this certificate will demonstrate to the new user that the electrical installation complied with the requirements of *BS 7671* at the time the certificate was issued.

The *Construction (Design and Management) Regulations* require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety documentation.

Page 1 and 2 of this certificate provide details of the electrical installation, together with the name(s) and signature(s) of the person(s) certifying the three elements of installation work: design, construction and inspection and testing, and page 3 identifies the organisation(s) responsible for the work certified by their representative(s).

Certification for inspection and testing provides an assurance that the electrical installation work has been fully inspected and tested, and that the electrical work has been carried out in accordance with the requirements of *BS 7671: 2018* (as amended) (except for any departures sanctioned by the designer and appended to the certificate).

Where responsibility for the design, the construction and the inspection and testing of the electrical work is divided between the Approved Contractor and one or more other bodies, the division of responsibility should have been established and agreed before commencement of the work. In such a case, NICEIC considers that the absence of certification for the construction, or the inspection and testing elements of the work would render the certificate invalid. If the design section of the certificate has not been completed, NICEIC recommends that you question why those responsible for the design have not certified that this important element of the work is in accordance with *BS 7671*.

Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems) in accordance with British Standards *BS 5839* and *BS 5266* respectively, this electrical safety certificate should be accompanied by a separate certificate or certificates as prescribed by those standards.

Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, an additional page should have been provided which gives the relevant information relating to each additional source, and to the associated earthing arrangements and main switchgear.

Should the person ordering the work (e.g. the client, as identified on Page 1 of this certificate), have reason to believe that any element of the work for which the Approved Contractor has accepted responsibility (as indicated by the signatures on this certificate) does not comply with *BS 7671: 2018* (as amended), the client should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by NICEIC is subject to certain terms and conditions, full details of which are available upon application. NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

\* NICEIC is operated by Certsure LLP, a partnership between the Electrical Contractors' Association and the charity, Electrical Safety First. NICEIC maintains and publishes registers of electrical contractors that it has assessed against particular scheme requirements (including the technical standard of electrical work).

For further information about electrical safety and how NICEIC can help you, visit www.niceic.com