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24139409

IPN18C

# **ELECTRICAL INSTALLATION CONDITION REPORT**

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

Original (to the person ordering the work)

RACTOR, CLIENT AND INSTALLA	ION	
Registration No. 028288000 Branch No. 000 C	DETAILS OF THE CLIENT  Contractor Reference Number (CRN): 22465	DETAILS OF THE INSTALLATION  Occupier: 2196 (Trowbridge) Squadron
a, Kingsway,	Name:  Address: Wessex Reserve Forces & Cadets Association,  Mount House Mount Stood TAILINTON Comment	Address: 1 101116 10000, 11000000000000000000000
Postcode: SP2 0AW Tel No. 01722741091 P	Mount House, Mount Street, TAUNTON, Somerset  Postcode: TA1 3QE Tel No: N/A	Postcode: BA14 0DG Tel No: N/A
PART 2 : PURPOSE OF THE REPORT		
Purpose for which this report is required. Scheduled Inspection		
Date(s) when inspection and testing was carried out: 05/10/2021	Records available: (X Previous inspection report available: (	vailable: ( ** Previous report date: ( N/A )
PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION		
General condition of the installation (in terms of electrical safety): Good. See continuation page for details of exceptions.		
Estimated age of electrical installation: (5) years Evidence of add	Evidence of additions or alterations: (	Overall assessment of the installation is: Satisfactory XDXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PART 4: DECLARATION		
INSPECTION AND TESTING		
I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.	llation, particulars of which are described in PART 7, having exercised reas observations (page 2) and the attached schedules, provides an accurate ass	ercised reasonable skill and care when carrying out the inspection and testing of the accurate assessment of the condition of the electrical installation taking into account the
Name (capitals): BRIAN MCCARTHY	Signature: (A)(Y)	Date: 08/10/2021
REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE APPROVED CONTRACTOR	E APPROVED CONTRACTOR	
Name (capitals): ROBERT COOMBS	Signature: /CM2	Date: 08/10/2021

\*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that Further Investigation (CODE FI) without delay is required.

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Please see the 'Notes for Recipient'





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t in accordance with BS 7671: 2018 — Requirements for Electrical Installations

......years/XXXXXX\* (delete as appropriate)

Original (to the person ordering the work)

Code

**Location Reference** 

CODE FI
'Further Investigation Required'

	APPROVED  Electrical and CONTRACTOR Plumbing Contractors	ELECTRICAL INSTALLATION O
PART 5:	PART 5 : NEXT INSPECTION	
I/We (as in	I/We (as indicated on page 1) recommend, subject to the necessary remedial work being taken, this installation should be further inspected	a further inspected and tested after an interval of not more than 5
Give reaso	Give reason for recommendation: Type of usage	
PART 6:	PART 6 : OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN	
CODES:	One of the following Codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical installation the degree of urgency for remedial action. Risk of injury, Immediate remedial action required	t' CODE C2 'Potentially Dangerous' CODE C3  Bon required Urgent remedial action required Improvement Recommende
Referring to	0 0	
Item No		
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<u></u>		
Additional	Additional pages? ( None ) State page numbers: ( N/A	
Immediate	items: ( N/A	Improvement recommended for items: ( N/A
Urgent rem	Urgent remedial action required for items: ( N/A	tion required for items:

· · · · · · ·

<sup>\*</sup>The proposed date for the next inspection should take into consideration 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.
The period should be agreed between relevant parties.





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amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of

Agreed with (print name):

(see additional page No. N/A...)

(see additional page No. N/A

(see additional page No. N/A

APPROVED CONTRACTOR Plumbing Contractors	
PART 7 : DETAILS AND LIMITATIONS OF THE INSPECTION AND TESTING	23.4
The inspection and testing has been carried out in accordance with <i>BS 7671: 2018</i> , as amended. Cables concealed within trunking and conduits, on the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection, Details of the installation covered by this report. Fixed wiring only to the Main Building and Range only.	ion
Agreed limitations including the reasons, if any, on the inspection and testing. None	

Means of Earthing       Main protective conducts         Distributor's facility:       (N/A)       Earthing conducts         Installation earth electrode:       (N/A)       (material Copper         Where an earth electrode is used insert       Connection / conti         Type – rod(s), tape, etc:       None       Main protective b         Location:       N/A       Main protection / conti         Electrode resistance to Earth:       N/A       ) Ω         Connection / conti	System type and earthing arrangements TN-C-S: ( ) TN-S: (N/A . ) Other (state): N/A Supply protective device (BS (EN) 1361 Type: ( !!	PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS
Main protective conductors  Earthing conductor:  (material Copper csa 16 mm²)  Connection / continuity verified:  (material Copper csa 10 mm²)  (material Copper csa 10 mm²)	TT: (N/A)  AC  DC  Confirmation  ated current: (100) A  REFERRED TO IN THIS REPORT	EARTHING ARRANGEMENTS
Main protective bonding connections  Water installation pipes: (	Number and type of live conductors  AC 1-phase, 2-wire: (N/A) 2-phase, 3-wire: ( 3-phase, 3-wire: (N/A) 3-phase, 4-wire: ( DC 2-wire: (N/A) 3-wire: (N/A) Other: (N/A) Confirmation of supply polarity:  Confirmation of supply (as detailed on attached schedule) Page No: ( SREPORT	
Main switch / Switch-fuse / Circuit-breaker / RCD Type: (BS (EN) 60947-3 )  Location: (Main switch room  No. of poles: (3	TT: (N/A)  AC 1-phase, 2-wire: (N/A) 3-phase, 4-wire: (N/A)  DC 2-wire: (N/A) Confirmation of supply polarity:  Rated current: (100) A Other sources of supply (as detailed on attached schedule)  Nature of supply parameters  2-phase, 3-wire: (N/A) 3-phase, 4-wire: (N/A) Nominal line voltage, U (1): Nominal line voltage to Earth, U <sub>0</sub> (1): Nominal frequency, f (1): Prospective fault current, I <sub>pf</sub> (1)*: External loop impedance, Z <sub>e</sub> (1)*:	
ting / setting of device: tage rating:	(N/A) V (230) V (50) Hz (N/A) KA (N/A) Ω	
(N/A ) A (400 ) V (N/A ) mA (N/A ) ms	(1) By enquiry, measurement, or by calculation	

Operational limitations including the reasons: None

Extent of sampling: Approximately 10% of accessories were visually inspected

All fields must be completed. Enter either, as appropriate: ' $\checkmark$ ' if Acceptable condition;

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or Code appropriately — CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

<sup>\*</sup>Where the installation is supplied by more than one source, the higher or highest values of prospective fault current,  $l_{pf}$ , and external earth fault loop impedance,  $Z_e$ , must be recorded.





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# **ELECTRICAL INSTALLATION CONDITION REPOR**:

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#### 3. Automatic disconnection of supply Presence of adequate arrangements for parallel or switched PART 10 : SCHEDULE OF ITEMS INSPECTED External condition of electrical intake equipment (visual inspection only) the person ordering the report informs the appropriate authority.) (If inadequacies are identified with the intake equipment, it is recommended FELV Main earthing and bonding arrangements Adequate arrangements where a generating set operates as a b) = 9) Metering equipment: (.........) 1.6 Isolator (where present): 6 Earthing arrangement: (..........) 1.4 Meter tails: Presence of alternative / additional supply arrangement Adequate arrangements where generating set operates in warning notice(s) at or near equipment, where required parallel with the public supply: switched alternative to the public supply: Source providing at least simple separation Adequacy of main protective bonding conductor connections: (..... Presence and condition of distributor's earthing arrangement (..... Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises: Provision of earthing / bonding labels at all Accessibility and condition of other protective Accessibility of main protective bonding connections: Adequacy of main protective bonding conductor size(s) Adequacy of earthing conductor connections: Presence and condition of earth electrode arrangement appropriate locations Accessibility of earthing conductor connections Adequacy of earthing conductor size CONTRACTOR **Plumbing Contractors** 1.2 Service head: 5 5 NA 5 NA NA NA 5 5.22 All other required labelling provided: 5.20 Presence of non-standard (mixed) cable colour warning notices $_l N/A$ 5.14 RCD(s) provided for additional protection – includes RCBOs: 5.23 Compatibility of protective device(s), base(s) and 5.21 Presence of next inspection recommendation label 5.19 Presence of diagrams, charts or schedules at or near equipment, 5.18 Presence of RCD six-monthly retest notice at or near 5.17 Confirmation that integral test button/switch causes RCD(s) 5.16 Manual operation of circuit-breakers and RCDs to 5.15 RCD(s) provided for protection against fire – includes RCBOs: 5.12 Adequacy of protective devices for prospective fault current: 5.9 5.7 5.6 5.10 5.5 5.4 5.3 4. Other methods of protection 5.13 RCD(s) provided for fault protection – includes RCBOs: 5.11 Correct identification of circuit protective devices: 5.1 Adequacy of working space / accessibility of equipment: 5. Distribution equipment Details should be provided on separate sheets other components: to trip when operated (functional check) prove disconnection: Presence of main switch(es), linked where required: Condition of insulation of live parts Security of fixing at or near equipment, where required: Operation of main switch(es) (functional check): Adequacy / security of barriers: Enclosure not damaged / deteriorated so as to impair safety: Condition of enclosure(s) in terms of IP rating: equipment, where required: Presence and effectiveness of obstacles Condition of enclosure(s) in terms of fire rating: Page No. (N/A • 5 < < < 5 ? 9 3 ? Z 5 ...) 5.24 Single-pole switching or protective devices in line conductors only: (... 6.12 Adequacy of protective devices; type and rated current for 6.16 Cables where exposed to direct sunlight, of a suitable type or 6.15 Cable installation methods / practices appropriate to the type 6.13 Presence and adequacy of circuit protective conductors: 6.11 Adequacy of cables for current-carrying capacity with regard 6.10 Examination of cables for signs of unacceptable thermal and 6.17 Cables adequately protected against damage and abrasion: 6.14 Co-ordination between conductors and overload 6.9 6.8 6.7 6.6 6.4 6.3 6.2 6.1 5.26 6.5 6. Distribution / final circuits 5.25 Protection against mechanical damage where cables Issued in accordance with BS 7671: 2018 — Requirements for Electrical Installations Cables correctly supported throughout their length and nature of installation and external influences protective devices: Confirmation that conductor connections, including Adequacy of AFDD(s), where specified Identification of conductors: adequately protected against solar radiation: to the type and nature of installation: Indication of SPD(s) continued functionality confirmed: Cables correctly terminated in enclosures Non-sheathed cables protected by Condition of insulation of live parts Suitability of containment systems for continued use Protection against electromagnetic effects where cables mechanical damage / deterioration and are tight and secure: connections to busbars are correctly located in terminals enclosures in conduit, ducting or trunking: enter ferrromagnetic enclosures: (indicate extent of sampling in PART 7 of report). (including flexible conduit):

2.3

All fields must be completed. Enter either, as appropriate: 'V' if Acceptable condition;

3.2

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or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, numbered sheets) with additional comments (where appropriate) on attached

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NA

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# **ELECTRICAL INSTALLATION CONDITION REPORT**

						gulation 653.2).	rt of this report (see Reg	The pages identified are an essential part of this report (see Regulation 653.2).	The pages ider					
		None	Page No(s):		None (None	Page No(s):	12 ) P	Page No(s):		(6, 7-11	) Page No(s):	( 4 & 5		Page No(s):
		heets	Continuation sheets	s	ons or location	Special installations or locations		Additional pages, including data sheets		it Details and	Schedule of Circuit Details and Test Results for the installation		Schedule of Inspections	Sched
											TIONAL PAGES	ES AND ADDIT	PART 11 : SCHEDULES AND ADDITIONAL PAGES	PART
		Date: 08/10/2021		1.	Signature: 0800	(	verified:	Correct operation (functionality) verified	b) Correc	-	influences:	sories for external	Suitability of accessories for external influences:	6.25 \$
			CARTHY	BRIAN MCC	Name (capitals): BRIAN MCCARTHY	?	opriate devices:	Presence and condition of appropriate devices:	a) Preser	<u>_</u> <	order ordered ordered	factory:	and joint boxes satisfactory:	0)
			SCHEDULE OF ITEMS INSPECTED BY	F ITEMS IN	SCHEDULE O	-		switching	_	•	6.23 Temperature rating of cable insulation addequate: 6.24 Condition of accessories including socket-outlets switches	of cable insulation	.23 Temperature rating of cable insulation addequate: 24 Condition of accessories including socket-outlets	6.23
			nered page.	separate numb	of inspection on a separate numbered page	,	where danger might occu	Readily accessible for operation where danger might occur:	b) Readily	, ,	Adequacy of connection at point of entry to enclosure:	onnection at point	d) Adequacy of co	
		Indicate if the relevant requirements of Part 7 are satisfied and append results	ents of Part 7 are sat	vant requireme	Indicate if the rele	( (	opriate devices:	Presence and condition of appropriate devices:		•	Connections of live conductors adequately enclosed:	flive conductors a	c) Connections of	0
								Emergency switching off / stopping	7.3 Emergency	•	or, visible outside	an enclosure:	an enclosure:	_
						- C	d / or durable marking(s	Clearly identified by position and / or durable marking(s):	e) Clearly			Connections under no undue strain		F 01
	(N/A				N	۲	orr position.	Correct operation verified:	d) Correc	,	of report)	sampling in PART 7	(indicate extent of sampling in PART 7 of report,	
		List all special installations or locations covered by this report	ns or locations cov	cial installation	9. List all spec	•		Acceptable location:			6.22 Termination of cables at enclosures	/ separated from fi	Termination of cables at enclosures	6.22
	N/A		No signs of overheating to conductors / terminations:	ns of overhea	d) No sig		opriate devices:	Presence and condition of appropriate devices:	a)	3	Cables segregated / separated from pan clastical cables:	regated / separate	Sahlos segrested	6 21 (
	N A	No signs of overheating to surrounding building fabric:	ating to surroundi	ns of overhea	c) No sig		enance	Switching off for mechanical maintenance	7.2 Swi	<	trans Pand Tankland	ects:	against thermal effects:	
	N/A )	-	Installed to minimise build-up of heat:	ed to minimise	b) Installe	•	single device:	be isolated by the operation of a single device:			Provision of fire barriers, sealing arrangements and protection	rriers, sealing arra	rovision of fire bar	6.19
	N/A	(-)	ps fitted:	Correct type of lamps fitted	a) Correc		s where live parts canno	Warning label posted in situations where live parts cannot	f) Warnii		otection.	provided with RCDs for additional protection.	provided with RCD	
			Recessed luminaires (e.g. downlighters)	luminaires (e.	8.7 Recessed I	<	d / or durable markings:	Clearly identified by position and / or durable markings:	e) Clearly	have been	Note: Older installations designed prior to BS 7671: 2018 may not have been	designed prior to	Older installations	Note:
	N/A	Page No. (N/A	53	ige:	on a separate page:	<u> </u>		Correct operation verified:	d) Correc	(N/A	200	emises:		
			List number and location of luminaires inspected	location of lun	List number and	?	OFF position:	Capable of being secured in the OFF position:	c) Capab	,	hin domestic	Circuits supplying luminaires within domestic	e) Circuits supply	
	<	so as to restrict the spread of fire:  (.	ead of fire:	so as to restrict the spread of fire:	so as to rea	?	note):	Acceptable location (local / remote):		tal (N/A	For cables concealed in walls / partitions containing metal parts regardless of depth:	ncealed in walls / p ss of depth:	<li>d) For cables concealed in w parts regardless of depth:</li>	
	•	· · · · · · · · · · · · · · · · · · ·		r halas in anii		•	ropriate devices:	Presence and condition of appropriate devices:	a)	•				
0	۲ ,	nal influences: (.	Suitability for the environment and external influences:	for the enviro				SASTORING	7.1 Isolators		For cables concealed in walls / partitions at a depth of less	ncealed in walls / p	c) For cables con	
rig	, ,	s to impair safety: (.	Enclosure not damaged / deteriorated so as to impair safety:	not damaged /		:		switching	7 Isolation and switching	•	exceeding 32 A for use outdoors:	exceeding 32 A for use outdoors:		
ina	, <		Equipment does not constitute a fire hazard	does not cons	8.2 Equipment	?	cpcs, within accessories t	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment:	6.2/ Adequacy	()	h a rated current not	hile equipment with	h) Supplies for mo	
al (t	?		Condition of equipment in terms of IP rating:	of equipment in	8.1 Condition o	•		line conductors only:	line condu	٩,	For all socket-outlets with a rated current not exceeding 32 A	outlets with a rated c	a) For all socket-or	
o the		mected)	8. Current-using equipment (permanently connected)	g equipment (	8. Current-using	_	devices in	6.26 Single-pole switching or protective devices in	6.26 Single-pol	A	6.18 Provision of additional protection by an RCD not exceeding 30 mA	nal protection by an	Provision of addition	6.18
persor											ISPECTED	LE OF ITEMS IN	PART 10 : SCHEDULE OF ITEMS INSPECTED	PAR
orde	stallations	Issued in accordance with BS 7671: 2018 — Requirements for Electrical Installations	S 7671: 2018 – Requ	dance with B	Issued in accor					rs	Flumbing Contractors			
ering tl	ORT	ELECTRICAL INSTALLATION CONDITION REPORT	N COND	LATIO	INSTAL	RICAL	ELECT				Electrical and		APPROVED	1000
ne work		IPN18C	09	24139409	faced or altered	number has been defaced or altered	nun							2

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ELECSA brands @ Copyright Certsure LLP (July 2018) 'N/A' if Not applicable;

'LIM' if a Limitation exists; or Code appropriately - CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)





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# **ELECTRICAL INSTALLATION CONDITION REPORT**

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

iis rep	Supp Over Asso	(to b	DIS						4TP	ЗТР	2TP	1TP		Circuit numb	er	COL	PA
This report is based on the model forms shown in Appendix 6 of <i>BS 7871</i> *WF	Supply to DB is from: ( $N/A$ ) Nominal voltage: ( $N/A$ ) No. of poles: ( $N/A$ ) No. of pol	(to be completed in every case)	DISTRIBUTION BOARD (DB) DETAILS						Spare	Spare	Spare	Supply to DB/MRR			Circuit description	CODES for Type of wiring (A) Thermoplastic insulated /	PART 12 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS
endix 6 o	tributio											TI		Type of wiri		_	DETA
BS 7671	n circui	Location of DB:	DB designation: DB/2									0	R	eference Me (BS 7671)	thod	(B) Thermoplastic cables in metallic conduit	ILS AI
	t Ty	of DB:	nation:									1	Num	ber of points	served	c cables in duit	ND TE
	Type: (BS EN N/A No. of pole A) Phase sequ		DB/2									- 1	Live (mm²)		Circuit conductor csa	(C) Th	ST RE
*	EN N/A		DB/2 Main Switch Room									- 4	cpc (mm²)		uit tor csa	(C) Thermoplastic cables in non-metallic conduit	SULTS
Where fi	BD DIRECTLY TO SERVICE STATES OF Phase sequence co		R :										S W	ax. disconne time ( <i>BS 767</i>		cables in onduit	0,
*Where figure is not taken from BS 7671, state source: ( N/A	BS EN N/A  No. of poles: (N/A  Phase sequence confirmed (where appropriate): (N/A  Phase sequence confirmed (where appropriate): (N/A  No. of poles: (N/A  Phase sequence confirmed (where appropriate): (N/A											60898		BS (EN)		(D) Thermoplastic cables in metallic trunking	Circuits
aken fror	Nomir Rating A		TESTED BY									C		Туре	Protective device	dastic cable	s/equipr
n <i>BS 767</i>	RIGIN OF THE INST  Nominal voltage: ( N/A  Nominal voltage: ( N/A  Rating: ( N/A ) A  /\Delta N/A ) mA  there appropriate): ( N/A		О ВҮ									40	Ā	Rating	device	s in (E)	nent vul
1, state s	HE IN: ge: ( N/ ge: ( N/ nA ) mA	Sign	Nan									_		nort-circuit capacity		Thermopla non-metall	nerable
ource: ( .	A ) V	Signature:	ne (capit									N/A	(mA)	Operating current, I	RCD	Thermoplastic cables in non-metallic trunking	to dam
A	V No. o Opera	G.	als): BR									0.55	<u>(3</u>	Maximum per Z <sub>S</sub> for instructive d	alled		age wh
	if phases: ( N/A ating time (N/A ) $\Omega$ /pf(N/A		Name (capitals): BRIAN MCCARTHY									1	(Line) (Neutral)	Ring final circuits only (measured end to end)		(F) Thermoplastic / SWA cables (	Circuits/equipment vulnerable to damage when testing N/A
	) ms												(cpc)	only end)	Circuit impedances (Ω)	G) Thermos	
	Multi-function:  8189065 Insulation resistance:  N/A Earth electrode resistance:  N/A											0.19	(R, + R,)	All circuits (complete at least one column)	es (Ω)	(G) Thermosetting / SWA cables	
-	tion: resistan trode re											1	R,	its t least mn)		_	
	ce:		_										(MΩ)	Live /	Insula	(H) Mineral-insulated cables	
	(enter se	Date: Voi 10/202	Position: Electrician										(MD)	Live / Earth	Insulation resistance	ited cables	
	rial num	10/202	Electric									500	3	Test voltage DC	псө	(O) other	
	Continuity: (N/A Earth fault I (N/A RCD: (N/A		ian							4		0	2	Polari Nax. measured		(0) other - state: N/A	
	y: It loop i				+-		++			+	_	10	≥ fau	ılt loop impeda	nce, Zs	A	
	Continuity: (N/A Earth fault loop impedance: (N/A (N/A)				+					_		Z	(ms)	time	RCD		
7	Multi-function:  (8189065  Insulation resistance:  (N/A  (N/											Z	2 ABJ	-	Test		

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### **CONTINUATION SHEET:**

**ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS** Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installation

Ove Ass	TO Sup	(to t	DIS			4L3	41.2	4L1	ЗТР	2L3	2L2	2L1	1L3	11.2	111		Circuit numb	er	000	Delete
Overcurrent protection device for the distribution circuit Type  Associated RCD (if any) Type: (BS EN N/A	TO BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION  Supply to DB is from: ( N/A   N/A   N/A ) V No. (	to be completed in every case)	DISTRIBUTION BOARD (DB) DETAILS			Spare	Spare	Wall Kettle: Kitchen	SPD	Spare	Water Heater: Disabled WC	Water Heater: Kitchen	Water Heater: Female WC	Water Heater: Gents	Mech Services Control Panel			Circuit description	CODES for Type of wiring (A) Thermoplastic insulated /	
tributio	DB IS							A	B		Α	A	A	A	П		Type of wirir (see Codes		-	
n circui	NOT	Location of DB:	DB designation: DB2-A Mechanical					Ш	В		Е	Ш	ш	m	C	R	eference Met ( <i>BS 7671</i> )	hod	(B) Thermoplastic cables in metallic conduit	AILS
Ζ –	CONN	of DB:	Ination					_	_			_	_	_	_	Num	ber of points	served	ic cables in duit	AND
	ECTE	Main (	DB2-/					2.5	10		2.5	2.5	2.5	2.5	10	(mm²)		condu	-	5
Type: (BS EN N/A  No. of pole	D DIRI	Main Switch Room	Mech					1.5	10		1.5	1.5	1.5	1.5	10	cpc (mm²)		Circuit conductor csa	(C) Thermoplastic cables in non-metallic conduit	ESUL
3S EN N/A No. of poles: ( N/A	СТLУ	Room	anical					0.4	0.4		0.4	0.4	0.4	0.4	0.4	(s) M	ax. disconnectime (BS 767		c cables in conduit	v
BS EN N/A	T0 TH							61009	60898		61009	61009	61009	61009	60898		BS (EN)		(D) The	Circi
Rat	E ORIC		TES					В	С	1	В	В	В	B	C		Туре	Protect	Thermoplastic cables in metallic trunking	Circuits/equipment vulnerable to damage when testing
Rating: ( N/A ) A	RIGIN OF THE INST		TESTED BY					16	63		16	16	16	16	40	(A)	Rating	Protective device	ables in	ipment
A ) mA	THE I							10	10		10	10	10	10	10		nort-circuit		(E) Thermo	vuinerai
. A	NSTALL V/A	Signature:	Name (capitals):					30	N/A		30	30	30	30	N/A	(mA)	Operating current, /	RCD	Thermoplastic cables in non-metallic trunking	00 01 910
  -	LATIO	<b>B</b>	nitals): B					2.73	0.35	1	2.73	2.73	2.73	2.73	0.55	(2)	Maximum pe	rmitted	<u></u>	mage w
Operating time	ION No. of phases:		BRIAN MCC								+	+	+	+	+	(Line)	protective d	evice*	(F) Thermoplastic / SWA cables	nen tes
						+	-			-	+	+	-	+	-	No.	Ring final		stic / SWA c	ung
A) ms	N/A		ARTHY			+		-	-	-	+		-	-	-	(Neutral) (	Ring final circuits only (measured end to end)	Circuit impedances (Ω)		
	<u></u>					_		0.1		4	0	0	0	0		(cpc) (/	⊕₹	pedances	(G) Thermosetting / SWA cables	
nsulation resistance: N/A	TEST INSTRI Multi-function: 8189065		-			_		_		1	0.24	0.17	0.21	0.25	0.01	(R, + R,)	All circuits (complete at least one column)	(0)	ng / SWA ca	
resista trode re	STRUI															R <sub>2</sub>	uits at least imn)		$\vdash$	
Insulation resistance: ( N/A ( Bectrode resistance:	MENTS	: :						>999			>999	>999	>999	>999	>999	(MQ)	Live/ Live	insi	Mineral-ins	
œ.	6 (enter	Date: .C	Position					>999			>999	>999	>999	>999	>999	(MQ)	Live / Earth	Insulation resistance	(H) Mineral-insulated cables	
<u>.</u> .	serial n	Date: 08/10/2021	Position: Electrician					500			500	500	500	500	500	3	Test voltage DC	stance		
Earth f N/A	umber agains Continuity:	)21	ician					5					7		?	S	Polarit	y	(0) other - state: N/A	
ault loc	gainst uity:							0.39							0.46	D fau	lax measured It loop impeda	earth nce, Zs	N/A	
Earth fault loop impedance: (N/A	each ins							00			00	00	00	00		(ms)	time	RCD		
dance:	TEST INSTRUMENTS (enter serial number against each instrument used) Multi-function: Continuity: ,8189065							5			<	۲ ،	,	9	NA	Sē				
	SI				_		1	N/A			N A	N N	N A	N/A	N/A	SAB		Test		

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This form is based on the model forms shown in Appendix 6 of BS 7671

Enter a  $(\checkmark)$  or value in the respective fields, as appropriate.

\*Where figure is not taken from *BS 7671*, state source: ( N/A state source: ( N/A state source)

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CNITEC

# CONTINUATION SHEET:

**ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS** Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

Delete as appropriate)	CODES for Type of wiring	er	Circuit number	C		Lights: Of	L2 Lights: Offices	Lights: Ci	•	Lights: Co													(0 (0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		LLI Lights: Co  LIGHTS: Fema  LLI Lights: Mi  LIGHTS: Fema  LLI Lights: AI  LLIGHTS: OI  LLIGHTS	LLI Lights: Co LIZ Lights: Fema LLI Lights: Fema LLI Lights: AI LIGHTS: Tr LLI Lights: OL LIGHTS: O	LLI Lights: Co. LLI Lights: Market St. Lights: Female L1 Lights: AT L1 Lights: AT L2 Lights: Ou L1 Lights: Ou L2 Spare L3 Lights: Ca. L2 Spare L3 Spare L4 Spare L5 Spare L7 Spare L8 Spare L9 S	LLI Lights: Corridor/Kitch LL2 Lights: Male/Disable LL3 Lights: Female WC/Plant R LL1 Lights: Training Hall LL2 Lights: Outside MRR LL1 Lights: Outside Main LL2 Spare LL3 Lights: Parade Colun LL2 Spare LL3 Lights: Car Park Colun LL2 Spare LL3 Spare LL9 Lights: Car Park Colun LL9 Spare	LLI Lights: Co  LLI Lights: Ma  LLI Lights: Ma  LLI Lights: Fema  LLI Lights: Fema  LLI Lights: Tr  LLI Lights: Ou  LLI LIGhts	LLI Lights: Corridor/K LLI Lights: Male/Disal LLI Lights: Female wC/Plar LLI Lights: Training H LLI Lights: Training H LLI Lights: Outside M LLI Lights: Car Park C LLI Control Circuit LLI Control Circuit LLI Lights: Car Park C LLI Lights: Dare LLI Control Circuit LLI Lights: Car Park C LLI Lights: Dare LLI Lights: Car Park C LLI Lights: Outside M LLI Lights: Training H LLI LIGHTS LLI Lights: Training H LLI Lights: Training H LLI LIGHTS LLI Lights: Training H LLI LIGHTS
Ë	wiring (A) Inermoplastic insulated /	Circuit description				Offices 1-3	es 4,5/ACF Classroom	Lights: Circulation/HQ Stores	Lights: Corridor/Kitchen/Stores	Lights: Male/Disabled WC's	Lights: Female WC/Plant Rm/Elec cpb'd	ATC/Joint Classrooms	Training Hall	Outside MRR	The Late of the la	Lights: Outside Main Building	tside Main Building	rade Columns	Parade Columns Car Park Columns	Parrade Columns  Circuit	r Park Columns	r Park Columns	rade Columns r Park Columns rcuit	r Park Columns cuit	2 Spare 2 Spare 3 Lights: Parade Columns F 1 Lights: Car Park Columns F 2 Control Circuit B 3 Spare P Spare P Spare P Spare P Spare P Spare P Spare	Spare Lights: Parade Columns Lights: Parade Columns Control Circuit Spare	re its: Parade Columns its: Parade Columns its: Car Park Columns itrol Circuit re re re re re re RBUTION BOARD (DB) DETAI impleted in every case)	r Park Columns rouit  N BOARD (DB) DETA in every case)  PLETED ONLY IF THE from: ( N/A	Lights: Outside Main Building A B 3 Lights: Parade Columns F D 4 Lights: Car Park Columns F D	rade Columns F reark Columns F rouit B rouit B rouit B rouit B rouit B rom: (N/A) rype: (BS EN N/A)
	$\vdash$	g	Type of wirin (see Codes)			A	A	D	Þ	D	A	Þ	Þ	Þ	A			П	пп	ωпп	ω п п	ωпп	Ф п п	ת ת ש			8	8	DB IS	DB IS
AILS	(B) Thermoplastic cables in metallic conduit	nod	eference Meti ( <i>BS 7671</i> )	Ref	R	œ	Œ	œ	Φ.	В	В	B	80	80	В		0								B desig	desig	B B 1 1.5 1  B B 1 1.5 1  Location of DB. Main Sv  Location of DB. Main Sv	B B B Occation	B B B NOT	B B designocation
ANU	bc cables in duit	erved	ber of points s	mb	Nun	6	8	14	1	9	7	00	12	1	30		4	4	_						Jnation:	gnation:	gnation: of DB:	gnation: of DB:	gnation: of DB:	gnation: of DB: CONN
18	<u>_</u>	Circuit conductor		Ting	(mm <sup>2</sup> )	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		2.5	2.5	1.5					DB/1L		Main S	Main S	Main S	Main S ECTEI	B. Main Switch F  B. Main Switch F  RECTED DIRE  No. of pole
ESUL	(C) Thermoplastic cables in	cuit tor csa			cpc (mm²)	_	1	_	_		_		_				2.5	2.5	1.5						witch I	חחות	DINE	DINE	EN N/A	EN N/A
V.	onduit :		ax. disconnectime (BS 7671		(s) M	0.4	0.4	0.4		0.4	0.4	0.4	0.4	0.4	0.4		0.4	0.4	0.4						Room	CTLY				3S EN N/A
Circ	(D) Ther		BS (EN)	BS		60898	60898	60898	60898	60898	60898	60898	60898	60898	60898		60898	60898	60898							DIRECTLY TO THE				A
Circuits/equipment vulnerable to damage when testing.N	Thermoplastic cables in metallic trunking	Protecti	Туре	1		O	C	C	C	0	C	С	С	C	С		C	C	B					TESTED		ORIGIN		Non	Rati	Rati
pment	bles in	Protective device	Rating		(A)	10	10	10	10	10	10	10	10	10	10		10	10	10					TED BY		N OF		ninal vo	Nominal voltage: ( N/A Rating: ( N/A ) A	Nominal volta Rating: ( N/A
/ulnerat	(E) Therma		nort-circuit			10	10	10	10	10	10	10	10	10	10		10	10	10						Si	HH		tage: ( :	tage: (:	tage: (:: A ) A
ole to da	Thermoplastic cables in non-metallic trunking	RCD	Operating current, I		(mA)	N/A	N/A	N A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	NA					Name (capitals):	Signature:	VSTAL				
mage w	_	mitted	Maximum per Z <sub>S</sub> for insta	N	(Ω)	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19		2.19	2.19	4.37					oitals): B	all of the second	OF THE INSTALLATION	V No.			000
hen test	(F) Thermoplastic / SWA	vice*	protective de	T	(Line)			+		+									-		+	1		BRIAN MCCA		2		of phas	No. of phases: ( N/A	of phase
ting N/A			Ring final c	1	9			-		-					+	-			+	-	+			<b>ACCAR</b>			_	es: ( IV	es: ( I'v	No. of phases: ( \)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	cables (G)	Circuit imp	Ring final circuits only (measured end to end)	-	Jeutral) (c					-						-	-		+	+	-	+	-	RTHY			A .			A ) ms
	Thermosetti	Circuit impedances (Q		-	(cpc) (F	0.	0	0	0	0.	0.	0.	0.5	LIM	LIM	-	LM	LM	-	+	+	+	+	-		긆	` <u>~</u> ≤		n :	
	(G) Thermosetting / SWA cables	(0)	All circuits (complete at least one column)		(R, + R <sub>j</sub> )	0.51	0.46	0.27	0.26	0.15	0.14	0.54	5	3	3		≤	3		-		-		-		STIN	Multi-function: 8189065		Sulation	nsulation resistance: N/A
			uits It least mn)		R <sub>2</sub>													_				-	1	-		STRUN	5		resistar	resistar
	Mineral-insu	Insul	Live /		(MQ)	Z	Z	=	3		Z	E	Z	Z	Ξ		Z	Z							:	TENTS			JC B.	10e:
	(H) Mineral-insulated cables	Insulation resistance	Live / Earth		(MQ)	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999		I	Z						Position	Date: 0	(enter s				
		stance	Test voltage DC		3	250	250	250	250	250	250	250	250	250	250									Position: Electrician	Date: 08/10/2021	TEST INSTRUMENTS (enter serial number against each instrument used)		-	<u>:</u>	<u>.</u> .
	(0) other - state: N/A		Polarity		S	?					?	?		?	?				1	1	1	1	1	cian	21	mber a	Continuity:	2	N/A	Earth fa
	N/A	ce, Zs	ax measured e t loop impedan	Max ult l	D fau	0.83	0.78	0.59	0.58	0.47	0.46	0.86	0.82	Z	Ξ		Ξ	Z		1	_		_			gainst e	ΪŢ		ault loo	ault loo
		RCD	time		(ms)																					ach inst			imped	Earth fault loop impedance: (NIA
		. Te	DUT	000	SB	N/A						N/A		N/A			N/A									rument				ance:
		Test	tons	٨٩٥	SA	NA	N N	Z	N/A	N i	N/A	N/A	N/A	N/A	NA		NA	NA								used)		Contractor of		

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\*Where figure is not taken from BS 7671, state source: ( N/A 8)

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Electrical and Plumbing Contractors

## **CONTINUATION SHEET:**

**ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS** Issued in accordance with BS 7671: 2018 - Req

오	As	s S	10	] [=	0	6L3	6L2	6L1	5L3	512	5	4L3	412	4	3L3	31.2	31.1	213	212	2L1	1L3	112	10		Circuit num	er	T_	(De
	Associated RCD (if any) Type: (BS EN N/A	Supply to DB is from: ( N/A	NLY IF	(to be completed in every case)	DISTRIBUTION BOARD (DB) DETAILS	Spare	Disabled Alarm	Sockets: Joint Classroom	Emergency stop: ATC Classroom	Hand Dryer: Male WC			ICT Cabinet: ATC Office	Sockets: Kitchen	Hand Dryer: female WC	ICT Cabinet: ACF C	Fire Alarm			Sockets: Offices	Sockets: Circulation	Sockets: Offices 3&4	Sockets: Offices 1&2		on year Huff)	Circuit description	CODES for Type of wiring (A) Thermoplastic insulated /	Detension of the Schedule of GREGIT DETAILS AND TEST RESULTS
on of su	EN N/A	distrib	THE DB		TAILS		Α	Þ	om A	D	A	D	A	A	A	A	0	ο.	В	A	D	D	D		Type of wiri	20	sulated /	601
oply pol	quon		S	Loca	DB d		В	Ш	ш	т	т	В	Е	т	Е	Ш	В	Е	ш	Ш	m	ш	т	F	(see Codes	1	(B) Them	DEIAI
arity: ( -	)		OT CO	Location of DB:	esignat		_	51	_		0		>	9		-	1	4	7	00	2	00	00		(BS 7671)		Thermoplastic cables in metallic conduit	SAN
J/A	Type.	d S	NOT CONNECTED		designation: DB/1P		2.5	2x2.5	1.5	2.5	2x2.5	2.5	2.5	2x2.5	2.5		2.5	2x2.	2x2.5	2x2.5	2x2.5	2x2.5	2x2.5		nber of points	1	_	
Phase	No. of	Turner /Dec ENI N/A		Main Switch	/1P		1.5	5 2x1.5	_	1.5		1.5	1.5	5 2x1.5	1.5		1.5	.5 2x1.5	5 2x1.5	.5 2x1.5	.5 2x1.5	.5 2x1.5	.5 2x1.5	(mm <sup>2</sup> ) (m		Circuit conductor o	(C) Thermoplastic cables in non-metallic conduit	HES
sequen	No. of poles: ( N/A	N A	DIRECTLY	ch Koom			0.4	5 0.4	0.4	0.4		0.4	0.4	5 0.4	0.4	0.4	0.4	5 0.4	5 0.4	5 0.4	.5 0.4	.5 0.4	.5 0.4	(mm <sup>2</sup> )	fax. disconne	Sign	plastic cabl	OLIS
ice conf	N A		10	ă			610	610	610	61	61													(s)	time ( <i>BS 767</i>		├	1000
Phase sequence confirmed (where appropriate): ( N/A	)		품		_		61009	61009	61009	61009		61009	61009	61009	61009	61009	60898	61009	61009	61009	61009	61009	61009		BS (EN)	70	(D) Thermoplastic ca	Circuits/equipment vulnerable to damage when testing
vhere a	,v/	Nomin	RIGIN		TESTED		В	В	В	В		В	В	8	В		В	В	В	В	В	В	В		Туре	Protective	Thermoplastic cables in metallic trunking	/equipn
ppropria	Ing. ( N/A	Nominal voltage: (N/A	OFT		DΒY		16	32	16	16	32	16	16	32	16	16	16	32	32	32	32	32	32	(A)	Rating	device	s in (E)	nent vu
te) (N	) mA	ge: (N/	HEIN	Sigr	Nan		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		hort-circuit capacity			Inerable
<u>:</u>		A /	STALL	Signature:	Name (capitals):		30	30	30	30	30	30	30	30	30	30	N/A	30	30	30	30	30	30	(mA)	Operating current, I		Thermoplastic cables in non-metallic trunking	to dan
N/A	0pe	No.	ORIGIN OF THE INSTALLATION		tals): BF		2.73	1.37	2.73	2.73	1.37	2.73	2.73	1.37	2.73	2.73	2.73	1.37	1.37	1.37	1.37	1.37	1.37	(2)	Maximum pe	alled		lage wr
3	Operating time	No. of phases:	-		BRIAN MC			0.33			0.42			0.3				0.35	0.48	0.56	0.39	0.51	0.53	(Line)	protective d	evice*	(F) Thermoplastic /	en test
	N/A	es: ( N/A			ICCARTHY			0.34			0.41			0.32				0.36	0.48	0.55	0.39	0.52	0.53	(Neutral)	Ring final c (measured		tic / SWA cables	ng
	ms	_			YHT		1	0.61	-		0.68			0.47				0.51	0.8	0.94	0.66	0.83	0.86	C13599	final circuits only sured end to end)	Circuit impedances (Q)	$\vdash$	
		. o. ×	E				0.07	1 0.2	0.1	0.17	8 0.11	0.00	0.18	7 0.09	0.11	0.11	0.	1 0.21						(cpc) (F		edances (	(G) Thermosetting / SWA cables	
th elec	nsulation resistance: N/A	Multi-function: ( 8189065	ST IN				07	2	_	17	1	00	18	9	11	11	0.05	21	0.08	0.19	0.13	0.13	0.31	(R, +R)	All circuits (complete at least one column)	(2)	ng / SWA ca	
trode re	resista	Stion:	STRU				1/	V		.,														R <sub>2</sub>	uits at least imn)			
Earth electrode resistance	nce:		MENTS		:		>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	(MQ)	Live /	sul	Mineral-ins	
e:			S (enter	Date:	Positio		>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	>999	(MQ)	Live / Earth	Insulation resistance	(H) Mineral-insulated cables	
-	<u></u>		serial n	Date: 08/10/2021	Position: Electrician		500	500	500	500	500	500	500	500	500	500	250	500	500	500	500	500	500	3	Test voltage DC	sistance		
RCD	(N/A	Continuity:	umber	021	rician			9	9		7	9	5	5	5	5	5	5			5	5	5	S	Polarit	у	(0) other - state:	
	fault loc	uity:	against					0.39	0.29	0)	0.3	0.2	0.37	0.26	0.29	0.32	0.23	0.41	0.27	0.38	0.32	0.32	0.5	€ fac	fax. measured ult loop impeda	earth nce, Zs	FP200	
	Earth fault loop impedance: N/A		each in:				6	6	00	00	6	8	6	5	00	00		7	7	0	00	00	Sī	(ms)		RCD	0	
	dance:		TEST INSTRUMENTS (enter serial number against each instrument used)				9	<	9	<	<	5	5	5	5	<	N/A	5	<	9	9	5	5	3 2				
	:		T US			+	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N A	N/A	N/A	N/A	S &		Test		

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## **CONTINUATION SHEET:**

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

	XCN / IPN :	CODES	er	Circuit numbe		L1 So	L2 Ha	L3 Sp	So Li	12 So	L3 Sp	L1 Kito	Sp Sp	L3 Sp	OTP SPD		DISTF (to be c		10 BE	Supply	Supply Supply Overcu
Plumbing	${ m 3CM}$ / ${ m IPN}$ : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS	CODES for Type of wiring (A) Thermoplastic insulated /	Circuit description			Sockets: ATC Classroom	Hand Dryer: Disabled WC	Spare	Socket: TV ATC Classroom	Sockets: Training Hall	Spare	kitchen Roller Shutter	Spare	Spare	ď		DISTRIBUTION BOARD (DB) DETAILS (to be completed in every case)	BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE	Supply to DB is from: ( N/A	Overcurrent protection device for the distribution circuit	Associated RCD (if any) Type: (RS EN N/A
bing	JIT DE		g	Type of wiring (see Codes)		A	A		P	D		Þ			D		AILS	E DB 1		istribut	N/A
Cor	TAILS	Thermopla metallic c		eference Meth	R	Ш	m		Ш	m		ш			00		DB des Locatio	S NOT		on circ	
nbing Contractors	AND	(B) Thermoplastic cables in metallic conduit	served	nber of points s	Num	5	_		2	4							DB designation: DB/1P Location of DB: Main S	CONI			-
tors	TEST	_	condu		Live (mm²)	4	2.5		2.5	2x2.5		2.5			10		DB/1I Main	VECTE		vpe: (B:	2
	RESUL	(C) Thermoplastic cables in non-metallic conduit	Circuit conductor csa		cpc (mm²)	2.5	1.5		1.5	2x1.5		1.5			10		DB/1P Main Switch Room	D DIR		Type: (BS EN N/A	No of polace / N/A
	SI	ic cables in conduit	tion	ax. disconnect time (BS 7671)	s M	0.4	0.4		0.4	0.4		0.4			0.4		Room	ECTLY		Þ	lac. / Z
	Circu	(D) Therr		BS (EN)		61009	61009		61009	61009		61009			60898			TO THE			À
	Circuits/equipment vulnerable to damage when testing $N_{ m c}$	(D) Thermoplastic cables in metallic trunking	Protective device	Туре		В	8		В	В		В			8		TESTED	ORIGI	Nomi	Ratin	
	ment vu	-	e device	Rating	è	20	16		16	32		16			63		ED BY	N OF	nal volt	Rating: ( N/A	N/A
	ulnerabl	(E) Thermop		hort-circuit capacity		10	10		10	10		10			10			HE IN	Nominal voltage: (N/A		
	e to dan	Thermoplastic cables non-metallic trunking	RCD	Operating current, I <sub>Δn</sub>	(mA)	30	30		30	30		30			N/A		Name (capi Signature:	STALL	/A ) V		
	nage whe	5	mitted	Maximum per Z <sub>S</sub> for insta protective de	(Ω)	2.19	2.73		2.73	1.37		2.73			0.69		Name (capitals): BRIAN MCCAI Signature: (PV)	ORIGIN OF THE INSTALLATION			0.5.
	n testin	(F) Thermoplastic / SWA			(Line)					0.56							AN MO		fphase		+
	g N/A	/ SWA cables	Cir	Ring final circuits only (measured end to end)	(Neutral)					0.51							CARTHY		No. of phases: ( N/A		N/A
		_	Circuit impedances (Ω)	uits only d to end)	(cpc)					0.94							₹ 		:_		
Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations		(G) Thermosetting / SWA cables	inces (Ω)	All (comp	(R, +R)	0.45	0.15		0.52	0.26		0.1						TEST	Multi-f 8189	Insulat	(N/A
d in accu		-		All circuits (complete at least one column)	) R <sub>2</sub>													INSTR	Multi-function: 8189065	702	N/A
Issued in accordance with BS 7671: 2018 — Requirements for Electrical Installations		(H) Mineral-insulated cables	<u></u>	Live /	(MQ)	>999	>999		>999	>999		>999						TEST INSTRUMENTS (enter serial number against each instrument used)		tance:	
vith BS 76		nsulated cable	Insulation resistance	Live / Earth	(MQ)	>999	>999		>999	>999		>999					Positio	S (enter			
571: 2018			sistance	Test voltage DC	3	500	500	+	500	500	+	500					Position: Electrician Date: 08/10/2021	serial nu	_		
Requir		(0) other - state:	1	Polarity	S	9	9		9			?					ician )21	mber a	Continuity:	Earth fault loop impedance:	14/5
ements		FP200	ice, Zs	lax measured e	© faul	0.63 8	0.34 8		0.71 8	0.45 8		0.28 8						jainst e	iity:	the loop	iult loo
for Elect			RCD	time	(ms)													ach inst		impeda	
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tallatio			**	ons	§ 2	N/A	NA		NA	NA		N/A						sed)	_	_	

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### **ELECTRICAL INSTALLATION CERTIFICATES & ELECTRICAL INSTALLATION CONDITION REPORTS CONTINUATION SHEET:**

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

Char	Asso	0ver	Supp	10	(to b	CIU	2				4TP	3L3 (	3L2	3L1	2L3	21.2	2L1	1L3	11.2	111		Circuit numb	er	COD	(Delete
Characteristics at this DB Confirmation of supply polarity: (	Associated RCD (if any) Type: (BS EN N/A	Overcurrent protection device for the distribution circuit	Supply to DB is from: ( DB/2 - 1TP	BE COMPLETED ONLY IF THE DB IS NOT CONNECTED DIRECTLY TO THE	to be completed in every case)	DISTRIBUTION BUARD (DB) DETAILS					Spare	Spare	Spare	Lights: Target	Heater 2	Sockets	Lights: This End	Heater:1	Extractor fans	Lights: Far End			Circuit description	CODES for Type of wiring (A) Thermoplastic insulated /	ICM / IPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS
of suppl	N/A	istributi		E DB I										В	В	В	В	В	8	В		Type of wirin			JIT DE
y polarity		on circu		TON	Location of DB:	DB designation: DBSWINN								8	В	B	В	В	В	8	R	eference Met	hod	(B) Thermoplastic cables in metallic conduit	TAILS
	_			CONN	n of DB:	gnation								4		2	8	7	7	6	Num	ber of points	served	stic cables in nduit	AND 1
S P	Z	Type: (BS EN 60898		<b>IECTE</b>	1 2	Range	707							1.5	2.5	2.5	1.5	2.5	2.5	1.5	(mm²)		Cir	$\vdash$	TEST F
nase sec	o. of pol	EN 60		D DIRE	`	2	B							1.5	2.5	2.5	1.5	2.5	1.5	1.5	(mm²)		Circuit conductor csa	(C) Thermoplastic cables in non-metallic conduit	RESUL
quence o	No. of poles: ( N/A	898		CTLY										0.4	0.4	0.4	0.4	0.4	0.4	0.4	(s) M	ax. disconnectime (BS 767		c cables in conduit	S
Phase sequence confirmed (where appropriate): ( N/A	>			TO THE			_							61009	61009	61009	61009	61009	61009	61009		BS (EN)		(D) Thermoplastic cables in metallic trunking	Circuit
where a	^	Ratino	Nomir	ORIGII		IESTED								С	В	В	С	00	В	C		Туре	Protective device	plastic cable trunking	s/equipr
ppropri	/ <sub>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</sub>	Rating: (40	Nominal voltage: (400	V OF T		:D BY								10	16	16	10	16	16	10	(A)	Rating	device	(E)	nent vu
ate): (N	: :	A	ige: ( 40	HE IN	Sigr	Nan								10	10	10	10	10	10	10		nort-circuit capacity			Inerable
			00 /	STALL	Signature:	ne (capi								30	30	30	30	30	30	30	(mA)	Operating current, I	RCD	Thermoplastic cables in non-metallic trunking	to dan
$Z_s$ $\rho.43$ $\Omega$	0pe		No.	ORIGIN OF THE INSTALLATION	Cray.	Name (capitals): BRIAN MCC								2.19	2.73	2.73	2.19	2.73	2.73	2.19	(Ω)	Maximum pe Z <sub>S</sub> for inst protective d	alled		Circuits/equipment vulnerable to damage when testing
)Ω	Operating time		No. of phases:	_		NAN M														_	(Line)		SVICE .	hermoplast	en testi
l <sub>pf</sub> 0.65 ) κΑ	me N/A		es: (3			CCAKITY															(Neutral)	Ring final circuits only (measured end to end)	Circ	(F) Thermoplastic / SWA cables	ng N/A
· KA	) ms		<u>.</u>			7															(cpc)	its only to end)	Circuit impedances (Ω)	-	
ENT'A e	(N/A	Incide+	Multi-fi 8189	TEST										0.39	0.09	0.05	0.27	0.1	0.18	0.56	(R, +R)	All (compl one	nces (Ω)	(G) Thermosetting / SWA cables	
lectrod	N/A	200	Multi-function: 8189065	INSTR																	R <sub>2</sub>	All circuits (complete at least one column)		'A cables	
Earth electrode resistance:	stance:	2		UMENT		:								LM	>999	>999	Z	>999	>999	LM	(MQ)	Live /	<u>-</u>	(H) Mineral-ii	
ce:				TEST INSTRUMENTS (enter serial number against each instrument used)	Date: 0	Position								>999	>999	>999	>999	>999	>999	>999	(MQ)	Live / Earth	Insulation resistance	(H) Mineral-insulated cables	
<u>.</u>		/	-	serial nu	Date: 08/10/2021	Position: Electrician	!							250	500	500	250	500	500	250	3	Test voltage DC	stance		
RSS.	N/A	1	Continuity:	mber ag	27	cian	-							?	?			?	?	?	S	Polarit	,	(0) other - state: N/A	
	uit loop	1	₹.	ainst ea			-							0.77 6	0.38 8	0.29 8	0.56 8	0.37 8	0.46 6	0.83 8	(D) fau	lax measured It loop impeda	ice, Zs	I/A	
	(N/A			ch instr			L	_													(ms)	time	RCD		
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<u>.                                    </u>			-	sed)	!	:								N/A	N/A	N/A	NA	NA	N/A	NA	S &		6		:

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24139409

### **GENERAL CONTINUATION SHEET**

NOTES

A fault was discovered on what is possibly the plant room emergency lighting. The cables were disconnected and left safe in the distribution board. The circuit description schedule shows the outside lights are split between the front of the building and the rear, however, the circuits have been doubled up into one circuit breaker DB/1L-4L1. TNC-S Earthing systems should not be extended beyond the zone it supplies. The Range building should adopt a TT earthing system.	General Condition Of the Installation
C-S ault	ner
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# THIS CONDITION REPORT IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE **NOTES FOR RECIPIENT**

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service. This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected and tested, taking into account the stated extent of the installation and the limitations of the inspection and testing.

This report has been issued in accordance with the national standard for the safety of electrical installations, BS 7671: 2018 – Requirements for Electrical Installations.

The report identifies any damage, deterioration, defects and/or conditions found by the inspector which may give rise to danger (see PART 6), together with any items for which improvement is recommended.

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

This report should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

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.

For safety reasons, the electrical installation should be re-inspected 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 the inspection.

The recommended date by which the next inspection should be carried out is stated in PART 5 of this report. There should also be a notice at or near the main switchboard or distribution board/consumer unit indicating when the next inspection of the installation is due.

Only an NICEIC Approved Contractor or Conforming Body is authorised to issue this NICEIC Electrical Installation Condition Report. You should have received the report marked 'Original' and the Approved Contractor should have retained the report marked 'Duplicate'.

This report form is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation and must not be issued to certify new electrical installation work including the replacement of a distribution board or consumer unit.

The report consists of at least six numbered pages. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. For installations having more than one distribution board or more circuits than can be recorded on PART 12, one or more additional *Schedules of Circuit Details and Test Results* should form part of the report. The report is invalid if any of the schedules identified in PART 10 are missing. The report has a printed serial number, which is traceable to the Contractor to which it was supplied.

PART 7 (Details and limitations) should identify fully the extent of the installation covered by this report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Operational limitations may have been encountered during the inspection such as inability to gain access to parts of the installation or to an item of equipment. The inspector should have noted any such limitations in PART 7. It should be noted that the greater the limitations applying to a report, the less its value from the safety aspect.

A declaration should have been given by the inspector in PART 4 of the report. The declaration must reflect the statement given in PART 3, which summarises the observations and recommendations made in PART 6. Where one or more observations have been made in PART 6, the Classification code given to each by the inspector indicates the degree of urgency with which remedial action needs to be taken to restore the installation to a safe working condition.

Where the inspector has indicated an observation as code C1 (danger present) the safety of those using the installation is at risk. Wherever practicable, items classified as (C1) should be made safe on discovery, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work immediately.

Where the inspector has indicated an observation as code C2 (potentially dangerous) the safety of those using the installation may be at risk, and it is recommended that a skilled person(s) competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where the inspector has indicated that an item requires further investigation (FI), the investigation should be carried out without delay to determine whether danger or potential danger exists. For further guidance on the Classification codes, please see the reverse of page 2.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator or microgenerator, this should be identified in PART 8 Supply Characteristics and Earthing Arrangements, and the Schedules of Circuit Details and Test Results (PART 12) compiled accordingly.

Where inadequacies in the intake equipment have been observed (Item 1 of PART 10), the person ordering the inspection should inform the distributor and/or supplier as appropriate.

Should the person ordering this report have reason to believe that it does not reasonably reflect the condition of the electrical installation reported on, that person should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the person ordering this report may make a formal complaint to NICEIC, for which purpose a 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

# GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES

Only one Classification code should be given for each recorded Observation

#### Classification code C1 (Danger present)

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

NICEIC makes available 'Electrical Danger Notification' forms to enable inspectors to record, and then to communicate to the person ordering the report, any dangerous condition discovered.

#### Classification code C2 (Potentially dangerous)

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, urgent remedial action is required to remove potential danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at PART 5 of this report (Next Inspection) for the maximum interval until the next inspection is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively.

It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

#### Classification code C3 (Improvement recommended)

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

#### Code FI (Further investigation required without delay)

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where 'FI' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing, could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (PART 3) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the NICEIC Approved Contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether or not danger or potential danger exists.

#### Further information

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide No 4 Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations. The guide can be viewed or downloaded free of charge from www. electricalsafetyfirst.org.uk

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