

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

ICN4/0757905

EL	EC	TRICA	<b>L INST</b>	<b>ALL</b>	TION	CERT	FICATE
		Issued in ac	cordance with British S	tandard 7671 - R	equirements for Electi	ical Installations by an	Approved Contractor or

Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 52X

DETAILS OF 1	THE CLIENT						
Client / Address:	JOHN SISK AND SON LIMITED, 1 CURO PA	RK, FROGMORE, ST ALBANS, H	IERTFORDSHIRE			Postcode: AL2	2 2DD
DETAILS OF T	THE INSTALLATION					The insta	llation is:
Address:	465 JACKSON BUILDING, 2 ENGINEERS W	AY, WEMBLEY		Po	ostcode: HA9 OSH	New	✓
Extent of the installation	CIRCUITS FED VIA APARTMENT DB ONLY					An addition	
covered by this certificate:						An	
DESIGN			<b>D</b> ' 1		N (	alteration	_
L/Wo boing the	Details of permitted exception person(s) responsible for the design o , having exercised reasonable skill and i to the best of my/our knowledge and beli	f the electrical installation	(as indicated by my	FY that the design	No.of; low), particulars! work for which 1/ (date	of which are	
except for the dep	partures, if any, detailed as follows:			2015	(4410	1	
	ires from BS 7671, as amended (Regulations 1 ilty of the signatory/signatories is limited to th		subject of this certificate	e.			
For the <b>DESIGN</b> o	f the installation:			** (Where there is d	livided responsibility		
Signature		23/09/2019	Name (CAPITALS)	J ROBINSON	**	Designer 1	
Signature	Date		Name (CAPITALS)			Designer 2	
CONSTRUCTI							
are described a for which I have b	erson responsible for the constructio above, having exercised reasonable sk een responsible is to the best of my knowledge partures, if any, detailed as follows:	n of the electrical install ill and care when carrying and belief, in accordance with E	ation (as indicated out the constructi S 7671, amended to	by my signature on, hereby CERTIF 2015	below), particula Y that the const (date	rs of which ruction work )	
Details of departu	res from BS 7671, as amended (Regulations 1	20.3,133.5): NONE					
The extent of liab For the <b>CONSTRI</b>	ilty of the signatory is limited to the work des J <b>CTION</b> of the installation:	cribed above as the subject of t	nis certificate.				
Signature	Date	20/09/2019	Name (CAPITALS)	L BOURDICE		Constructor	
INSPECTION	AND TESTING						
for which I have b	rson responsible for the inspection and above, having exercised reasonable s een responsible is to the best of my knowledge partures, if any, detailed as follows:	testing of the electrical in kill and care when carryin and belief, in accordance with E	nstallation (as indica ng out the inspectio NS 7671, amended to	ted by my signatur on and testing, her 2015	e below), particul reby CERTIFY th (date	ars of which at the work )	
Details of departu	ires from BS 7671, as amended (Regulations 1	20.3,133.5): NONE					
The extent of liab For the <b>INSPECT</b>	ilty of the signatory/signatories is limited to th ION AND TESTING <sup>of</sup> the installation:	e work described above as the	subject of this certificat	e.			
Signature	Date	20/09/2019	Signature		Date	20/09/2019	
Name (CAPITALS	) S WILSON	Inspector	Name (CAPITALS)	SWILSON		Qualifi Superv	
DESIGN, CON	STRUCTION, INSPECTION AND TES	TING * This box inspection	to be completed only where the on and testing have been the resp	design, construction, ionsibility of one person.			
l, being the perso are described ab for which I have b	ed exceptions appended: N/A on responsible for the design, construction, love, having exercised reasonable skill and een responsible is to the best of my knowledge partures, if any, detailed as follows:	Risk assessment appen inspection and testing of the e care when carrying out the and belief, in accordance with E	lectrical installation (a	No. of pages s indicated by my sign inspection and testin	nature below), part g, hereby CERTIFY (date	iculars of whic that the worl )	h k
•	res from BS 7671, as amended (Regulations 1						
	ilty of the signatory is limited to the work des the <b>CONSTRUCTION</b> and the <b>INSPECTION</b> A			Reviewed by			
Signature	Date		Signature		Date		
Name (CAPITALS	)		Name (CAPITALS)			Qualifi Superv	ied visor††
	d testing have been carried out by an Approved Contractor, the anstruction, and the inspection and testing have been the respon ervisor.					Page 1 of	6
	used on the model shown in Appendix 6 of BS7 re LLP. Certsure LLP operates the ELECSA & N	671 IICEIC brands. © Copyright Cer	tsure LLP (January 2019	5)	Please see th	e 'Notes for Ri	ecipients'

Original (To the person ordering the work)



the work)
ordering
le person
To tl
jina
Ö

PARTICULAR					BLE FOR	THE ELEC	CTRICA	L INSTALL	ATIO	N				
DESIGN (1)	Organisatio	n † HURLEY P	ALMER FLATT											
Addres	s: 240 BLA London	CKFRIARS ROA	D					C Enrolment N e appropriate)						
				F	Postcode: S	E1 8NW		h number: llicable)						
DESIGN (2)	Organisatio	n †												
Addres	s:							C Enrolment N e appropriate)						
				F	Postcode:			h number: Ilicable)						
†	Organisatio	n HESIMM	AND SON LTE	)										
CONSTRUCTION Addres		JSSELL SQUAR	E				NICEI	C Enrolment N Itial Infomatic	<sup>lo</sup> , 036	051001				
	BLOOMS LONDON	BURY		-	<b>.</b>		Branc	h number: licable)	in)					
	Organiaatia	n <sup>†</sup> H E SIMM			Postcode: V	VUTB 4HP								
INSPECTION AND TESTING Addres	55-56 RL	JSSELL SQUAR		,			NICEI	C Enrolment N e appropriate)	10 <sub>038</sub>	:051001				
Autros	BLOOMS LONDON	BURY						e appropriate) h number:	000	001001				
				F	Postcode: V	VC1B 4HP		licable)						
SUPPLY CHA	RACTERIS	STICS AND	EARTHING	ARRAN	GEMENT	S	Tick bo	xes and ente	er deta	ils, as appropriate	* CI	aracterist	tics of Primary Protective De	Supply
◆\$System Type(s)	÷	Number and Typ	e of Live Conduc			No		lature of Suppl	y Param	220				VICE(5)
TN-S		a.c. 🗸		d.c.			ominal oltage(s): ominal		V	U <sub>0</sub> <sup>(1)</sup> 230 V	BS(EN)	BS 88-	3 Fuse C	
TN-C-S 🗸	1-phase (2 wire)	✓ 1-p (3 \	hạse wire)	2-pole		fre	ominal equency,		Hz	Notes: (1) by enquiry (2) by approximate by	Туре	C		
TN-C	2.phase (3 wire)			3-pole		Prosp cu	rrent, I <sub>pf</sub>	ault 5.9	kA	(2) by enquiry or by measurement (3) where more than		ated curr		Α
TT	3.phase (3 wire)	3.p (4 <sup>-</sup> )	hase wire)	other		External ear loop impend		(2)(3)	Ω	one supply, record the higher or highest		hort-circu apacity	<sup>iit</sup> 31.5	kA
IT	Other						Number sources	of 1		values		onfirmation opply pola		
PARTICULAR	S OF INST	FALLATION	AT THE OR	GIN	Notail	s of Installatio	nn Farth F	lectrode (where	annlica	shle)				
Means of Earthin Distributor's facility:		Typ g rod(s),tape et			Dotai	Location:			, abbuor	10107				
Installation earth electrode:		Electro resistance, R		2)		Method of asurement:								
↔ Main Switch/Sv Type: BS	vitch-Fuse/Cir EN 60947-3	Vol	tage 230			imum 80		Amps			e measure		;	
BS(EN) BS		li li	ated 100	V	Demand (	Load)			nd Prote	against ele		(:		_
Poles Supply	iner	currer RCD opera	ating N/A	A		ng conductor Dr Copper		Main protectiv Conductor		g conductors		onding of ex	traneous-condu Lightning protection	ctive-parts N/A
conductors Cor material Supply conductors 25	m	current, n² RCD oper	ating N/A	mA ms	materia Conductor	81	2	material Conductor	16	installat	ion pipes Oil ion pipes	N/A	protection Structural steel	N/A
CSa 20		" time (at l R dela	ated N/A	ms	csa Co connection	20	mm <sup>2</sup>	csa Con connection			Gas ion pipes	N/A	Other	M
* (applicable only where a					Connection	. vormed		Connection						
COMMENTS		ING INSTAL		additions	see Sectio	n 633 NOM	NE			Note: Enter 'NON of addional page(s	E' or, whe s) of comm	re approp nents on 1	priate, the pa the existing i	ge numbe nstallatio
NEXT INSPEC			al in terms of years,										-	
I/We the designer								val of not moi	e than	<sup>\$</sup> 10 YEARS				
Where the Approved Co. of that installation, the	to receive during	its intended life, and	the period should be	e agreed betw	veen the design	er, installer and o	ther relevan	•	ting				Page 2 of	6
of that installation, the Where a number of sour a separate sheet must b									UN'					
This certificate is ba Published by Certsu									2015)		Pleas	e see the	e 'Notes for	Recipier



6.0 OTHER METHODS OF PROTECTION

### SCHEDULE OF ITEMS INSPECTED

SCH	EDULE OF ITEMS INSPECTED	† See note below
1.0	CONDITION OF ELECTRICAL INTAKE	EQUIPMENT

(the Distributor should be notified of any unsatisfactory

	equipment)										
1.1	Service cable	✓									
1.2	Service head	$\checkmark$									
1.3	Distributor's earthing arrangement	✓									
1.4	Meter tails - Distributor/Consumer	~									
1.5	Metering equipment	~									
1.6	Isolator	~									
2.0	PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY										
2.1	Presence of adequate arrangements where generator to operate as <u>a switched alternative</u>										
	a) Dedicated earthing arrangement independent of that of the public supply	N/A									
2.2	Presence of adequate arrangements where generator to operate in parallel with public supply system										
	a) Correct connection of generator in parallel	N/A									
	b) Compatibility of characteristics of means of generation	N/A									
	<li>c) Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values</li>	N/A									
	<ul> <li>d) Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation <u>hevond declared values</u></li> </ul>	N/A									
	e) Means to isolate generator from the public supply system	N/A									
2.3	Presence of alternative/additional supply warning notices at:										
	a) The origin	N/A									
	b) The meter position, if remote from origin	N/A									
	<ul> <li>c) The consumer unit/distribution board to which the alternative/additional sources are connected</li> </ul>	N/A									
	d) All points of isolation of ALL sources of supply	N/A									
3.0	d) All points of isolation of ALL sources of supply AUTOMATIC DISCONNECTION OF SUPPLY	N/A									
3.0 3.1	· · · · · ·	<u>N/A</u>									
	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth electrode arrangement	N/A									
	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth	N/A									
	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth electrode arrangement	N/A									
	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth electrode arrangement b) Earthing conductor and connections	N/A									
	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth electrode arrangement b) Earthing conductor and connections c) Main protective bonding conductors and connections	N/A									
3.1	AUTOMATIC DISCONNECTION OF SUPPLY Presence and adequacy of protective earthing/ bonding arrangements as follows: a) Distributor's earthing arrangement or installation earth electrode arrangement b) Earthing conductor and connections c) Main protective bonding conductors and connections d) Earthing/bonding labels at all appropriate locations	N/A									
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3.1	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections	> > > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         f) All protective bonding connections         f) All protective bonding connections         g) EARTHING conductor connections         b) All protective bonding connections         f) BASIC PROTECTION	> > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3 3.4	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         feLV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection	> > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3 3.4 <b>4.0</b>	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement.         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         b) All protective bonding connections         FELV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic	> > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3 3.4 <b>4.0</b>	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         feLV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts         b) Barriers or enclosures	> > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3 3.4 <b>4.0</b>	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         FELV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts	> > > > > > > > > > > > > > > > > > >									
3.1 3.2 3.3 3.4 <b>4.0</b>	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         feLV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts         b) Barriers or enclosures	V V V V N/A N/A									
3.1 3.2 3.3 3.4 4.1	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         b) All protective bonding connections         FELV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts         b) Barriers or enclosures         c) Obstacles**         d) Placing out of reach**	V V V V N/A									
3.1 3.2 3.3 3.4 <b>4.0</b>	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         b) All protective bonding connections         FELV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts         b) Barriers or enclosures         c) Obstacles**         d) Placing out of reach**	V V V V N/A									
3.1 3.2 3.3 3.4 4.0 4.1 5.0	AUTOMATIC DISCONNECTION OF SUPPLY         Presence and adequacy of protective earthing/ bonding arrangements as follows:         a) Distributor's earthing arrangement or installation earth electrode arrangement         b) Earthing conductor and connections         c) Main protective bonding conductors and connections         d) Earthing/bonding labels at all appropriate locations         Accessibility of:         a) Earthing conductor connections         b) All protective bonding connections         b) All protective bonding connections         FELV - requirements satisfied         Reduced low voltage - requirements satisfied         BASIC PROTECTION         Presence and adequacy of protective measures to provide basic protection         a) Insulation of live parts         b) Barriers or enclosures         c) Obstacles**         d) Placing out of reach**	V V V V N/A									

	(insert location in box provided)										
	The presence and effectiveness of other methods of protection against electric shock where used, as follows:										
6.1	Basic and fault protection LOCATION										
	a) SELV	N/A									
	b) PELV	N/A									
	c) Double insulation/Reinforced insulation	N/A									
	d) Electrical separation for one item of equipment	N/A									
6.2	Fault protection										
	a) Non-conducting location/Earth-free local equipotential bonding **	N/A									
	<ul> <li>b) Electrical separation for more than one item of equipment**</li> </ul>	N/A									
7.0	DISTRIBUTION EQUIPMENT										
7.1	Adequacy of working space/accessibility	~									
7.2	Security of fixing	~									
7.3	Insulation of live parts not damaged during erection	~									
7.4	Adequacy / security of barriers	<b>V</b>									
7.5	Suitability of enclosures for IP and fire ratings	<b>V</b>									
7.6	Enclosures not damaged during installation	< < <									
7.7	Presence and effectiveness of obstacles	<b>V</b>									
7.8	Presence of main switch(es), linked where required										
7.9	Operation of main switch(es) (functional check)										
7.10	Operation of circuit-breakers and RCDs to prove functionality	~									
7.11	RCD(s) provided for fault protection, where specified	N/A									
7.12	RCD(s) provided for protection against fire	N/A									
7.13	RCD(s) provided for additional protection, where specified	<b>~</b>									
7.14	Confirmation overvoltage protection (SPDs) provided where specified	N/A									
7.15	Confirmation of indication that SPD is functional	N/A									
7.16	Presence of RCD quarterly test notice at or near the origin	<b>~</b>									
7.17	Presence of diagrams, charts or schedules at or near each distribution board, where required										
7.18	$\label{eq:presence} \mbox{Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required \end{tabular}$	N/A									
7.19	Presence of next inspection recommendation label	✓									
7.20	Presence of other required labelling	<u> </u>									
7.21	Selection of protective device(s) and base(s); correct type and ratin	~									
7.22	Single-pole protective devices in line conductor only	✓									
7.23	Protection against mechanical damage where cables enter equipment	<b>v</b>									
7.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures	<b>v</b>									
7.25	Confirmation that ALL conductor connections, including connection to busbars are correctly located in terminals and are tight and secure										
B.O	CIRCUITS										
B.1	Identification of conductors	<b>V</b>									
8.2	Cables correctly supported throughout their length	$\checkmark$									
8.3	Examination of cables for signs of mechanical damage during installation	~									
B.4	Examination of insulation of live parts, not damaged during erection	~									

\*\* For use in controlled supervised/conditions only

6



### **SCHEDULE OF ITEMS INSPECTED**

† See note below

8.5		n-sheathed cables protected by enclosure in conduit, ducting or nking	•
8.6	Su	itability of containment systems (including flexible conduit)	~
8.7	Co	rrect temperature rating of cable insulation	✓
8.8	Ad typ	equacy of cables for current-carrying capacity with regard to the be and nature of installation	~
8.9		equacy of protective devices: type and rated current for fault tection	~
8.10	Pre	esence and adequacy of circuit protective conductors	~
8.11	Co	ordination between conductors and overload protective devices	~
8.12	ap	ring systems and cable installation methods / practices propriate to the type and nature of installation and external luences	~
8.13	Ca ade	bles installed under floors, above ceilings, in walls / partitions, equately protected against damage	
	•	installed in prescribed zones	V
		incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	N/A
8.14	Pro ope	vision of additional protection by RCDs having rated residual protecting current (I_n ) not exceeding 30 mA	
	a)	for mobile equipment with a current rating not exceeding 32 A for use outdoors $% \left( {\left[ {{{\rm{A}}} \right]} \right)$	N/A
	b)	For all socket-outlets of rating 20 A or less, unless exempt	<b>v</b>
	c)	For cables installed in walls/partitions at a depth of less than $51\mathrm{mm}$	~
	d)	For cables installed in walls/partitions containing metal parts regardless of depth	~
8.15	Pro the	ovision of fire barriers, sealing arrangements so as to minimize spread of fire	~
8.16	Ва	nd II cables segregated/separated from Band I cables	<b>v</b>
8.17	Ca	bles segregated/separated from non-electrical services	<b>V</b>
8.18	Te	rmination of cables at enclosures	
	a)	Connections under no undue strain	~
	b)	No basic insulation of a conductor visible outside enclosure	V
	c)	Connections of live conductors adequately enclosed	V
	d)	Adequately connected at point of entry to enclosure (glands, bushes etc.)	<b>~</b>
8.19	Su	itability of circuit accessories for external influences	N/A
8.20	Cir	cuit accessories not damaged during erection	V
8.21	Sin	gle-pole devices for switching in line conductor only	V
8.22	Ad fix	equacy of connections, including cpcs, within accessories and at ed and stationary equipment	~
9.0	IS	DLATION AND SWITCHING	
9.1	lso	lators	
	a)	Presence and location of appropriate devices	V
	b)	Capable of being secured in the OFF position	V
	c)	Correct operation verified (functional check)	V
	d)	The installation, circuit or part thereof that will be isolated is clearly identified by location and/or durable marking	~
	e)	Warning label posted in situations where live parts cannot be	N/A

#### 9.2 Switching off for mechanical maintenance a) Presence of appropriate devices 4 b) Acceptable location (state if local or remote) Local 4 c) Capable of being secured in the OFF position 4 d) Correct operation verified (functional check) ~ The circuit or part thereof to be disconnected clearly identified by location and/or durable marking e) 9.3 Emergency switching/stopping a) Presence of appropriate devices N/A b) Readily accessible for operation where danger might occur N/A N/A c) Correct operation verified (functional check) The installation, circuit or part thereof to be disconnected, clearly identified by location and/or durable marking d) N/A 9.4 Functional switching ~ a) Presence of appropriate devices b) Correct operation verified (functional check) $\checkmark$ 10.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED) 10.1 Suitability of equipment in terms of IP and fire ratings 4 10.2 Enclosure not damaged/deteriorated during installation so as to V impair safety 10.3 Suitability for the environment and external influences $\checkmark$ 10.4 Security of fixing 10.5 Cable entry holes in ceilings above luminaires, sized or sealed so as V to restrict the spread of fire 10.6 Recessed luminaires (downlighters) a) Correct type of lamps fitted 4 b) Installed to minimise build-up of heat 4 N/A 10.7 Provision of undervoltage protection, where specified 10.8 Provision of overload protection, where specified ~ 10.9 Adequacy of working space/accessibility to equipment < **11.0 SPECIAL INSTALLATIONS OR LOCATIONS** List below any Special Installations or Locations which are part of the installation to be verified, and confirm that the additional requirements given in the respective section of Part 7 are fulfilled. BATHROOM **12.0 OTHER**

All boxes must be completed. 'v' indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

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), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).

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## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

	CIRCUIT DETAILS												
TO BE CON	APLETED IN EVERY CASE	TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*											
Location of distribution board:	APARTMENT SERVICE Cupboard	Supply to distribution board is from:	UKPS RISER				No of phases:	1	Nominal voltage:	230	۷		
		Overcurrent protective devic	e for the distribution circuit:			Ass RCD (if any):	ociated : BS(EN)	N/A					
Distribution board designation:	DB 465 JACKSON BUILDING	Type: BS(EN) BS 88-3 Fuse	C	Rating:	100	А	RCD No of poles:	N/A	l∆n	N/A	mA	(	

Circuit designation				Cir conduct	cuit tors: csa	E	Overcurrent pr	otective d	levices		RCD	7671
		Reference → method	Number of points served	Live (mm²)	cpc (mm²)	Max. disconnecti itime permitted by BS 7671	BS (EN)	Type	🖲 Rating	A Short-circuit C capacity	Ƴ Operating Ƴ current, I∆n	© Maximum Zs permitted by BS 7671
FIRE ALARMS	A	102	6	1.5	1	0.4	60898 MCB	В	6	6		7.28
INTRUDER ALARM	Α	102	1	2.5	1.5	0.4	60898 MCB	В	6	6		7.28
RCCB							61008 RCD				30	
KITCHEN SOCKETS	Α	102	6	2.5	1.5	0.4	60898 MCB	C	32	6		0.68
НОВ	Α	102	1	6	2.5	0.4	60898 MCB	C	32	6		0.68
LIGHTS-HALL/KITCHEN/BEDROOM	Α	102	12	1.5	1	0.4	60898 MCB	В	6	6		7.28
SPARE												
SPARE												
SPARE												
SPARE												
SPARE												
RCCB							61008 RCD				30	
LIVING/HALL/BEDROOM SOCKETS	А	102	9	2.5	1.5	0.4	60898 MCB	C	32	6		0.68
OVEN	А	102	1	2.5	1.5	0.4	60898 MCB	C	20	6		1.09
UTILITY CUPBOARD- SOCKETS/SPURS	А	102	4	2.5	1.5	0.4	60898 MCB	C	20	6		1.09
BATHROOM POD- LIGHTING/T/RAIL/MVHR/MEV	А	102	12	2.5	1.5	0.4	60898 MCB	C	16	6		1.37
SPARE												
SPARE												
SPARE												
SUPPLY TO APARTMENT	G	E	1	25	25	5	88-3 C	C	100	31.5		0.38
	FIRE ALARMS INTRUDER ALARM RCCB KITCHEN SOCKETS HOB LIGHTS-HALL/KITCHEN/BEDROOM SPARE SPARE SPARE SPARE SPARE SPARE RCCB LIVING/HALL/BEDROOM SOCKETS OVEN UTILITY CUPBOARD- SOCKETS/SPURS BATHROOM POD- LIGHTING/T/RAIL/MVHR/MEV SPARE SPARE SPARE SPARE SPARE	FIRE ALARMS       A         INTRUDER ALARM       A         RCCB       KITCHEN SOCKETS         KITCHEN SOCKETS       A         HOB       A         LIGHTS-HALL/KITCHEN/BEDROOM       A         SPARE       S         SPARE       I         IUVING/HALL/BEDROOM SOCKETS       A         UTILITY CUPBOARD- SOCKETS/SPURS       A         BATHROOM POD- LIGHTING/T/RAIL/MVHR/MEV       A         SPARE       I         SPARE       I         SPARE       I         SPARE       I         SPARE       I         SPARE       I	Pipe of the second se	Pine diamonPine diamo	ItiveItiveItiveBig by	Provide of the second	r         r	initial state         initial	no by 	Image Image Image Image ImageImage Image<	instant in	right upper 

**†** See Table 4A2 of Appendix 4 of BS 7671

	CODES FOR TYPE OF WIRING												
A	В	C	D	E	F	G	Н	O (Other - please state)					
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	cables	Thermoplastic cables in non-metallic trunking	SWA cables	Thermosetting /SWA cables	Mineral- insulated cables						

\* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.

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See next page for Schedule of Test R<u>esults</u>



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

ICN4/0757905

# SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

	TEST RESULTS													
	DIR	ECTLY TO	THE DISTRIBUTION BO THE ORIGIN OF THE INS	TALLATION	INECTED	Test instruments (serial numbers) used:								
		Character	istics at this distribution	board										
	Yes	Confirn	nation of supply pola	arity		Earth fault loop impedance	8108677	RCD	8108677					
* Se	e note below					Insulation		Multi-						
Zs	*0.11	Ω	Operating times of associated	At I∆n	ms	resistance	8108677	functio	r 8108677					
$I_{pf}$	*2.13	kA	RCD (if any)	At 5I∆n	ms	Continuity	8108677	Other						
			e											

Phase sequence confirmed (where appropriate)

	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z <sub>S</sub>	RCD operating times		
Circuit number and line	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth		fault loop impedance, Z <sub>S</sub>	at I∆n	at 5l∆n (if applicable)	Test button operation
Ci	rı (Line)	r <sub>n</sub> (Neutral)	r2 (cpc)	$R_1 + R_2$	R <sub>2</sub>	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(~)	(Ω)	(ms)	(ms)	()
1	,		(000)	0.97	~ ~		> 999	> 999	> 999	~	1.02		(iiid)	
2				0.07			>999	>999	>999	~	0.15			
*												37	25	~
3	0.26	0.26	0.44	0.17			>999	>999	>999	<	0.21			
4				0.11			>999	>999	>999	<	0.17			
5				0.12			>999	>999	>999	<	1.10			
6														
7														
8														
9														
10														
*												37	15	~
11	0.60	0.60	1.00	0.40			>999	>999	>999	٢	0.28			
12				0.24			>999	>999	>999	٢	0.34			
13				0.12			>999	>999	>999	~	0.22			
14				0.62			>999	>999	>999	~	0.63			
15														
16														
17														
*				0.05			>999	>999	>999	~	0.11			

\* Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:	Position	Electrical Tester	
Name: (CAPITALS) R GIBBONS	Date of testing:	12/06/2019	

Original (To the person ordering the work)

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See previous page for Schedule of Circuit Details