

ELECTRICAL INSTALLATION CONDITION

REPORT
Requirements For Electrical Installations - BS 7671

Certificate Number: 2023-0000085

DETAILS	OF THE PERS	ON ORDERH	NG THE REPORT

Client: London Borough of Barking and Dagenham

Address: Town Hall Square, 1 Clockhouse Avenue, Barking, IG11 7LU

REASON FOR PRODUCING THIS REPORT

Reason for producing this report:

REQUEST FROM LANDLORD TO ASSES COMPLIANCE WITH BS 7671

Date(s) on which inspection and testing was carried out: 23/12/2022

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Installation Address: 101-808 Jute Court, Barking, Essex, IG11 7FT

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

Estimated age of wiring system: 20 years Evidence of additions/

Yes if yes, estimated age:

5

years

Installation records available? (Regulation 651.1) Yes Date of last inspection: N/A

EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% of the installation.

Agreed limitations including the reasons (see Regulation 653.2):

N/A

Agreed with: N/A

Operational limitations including the reasons:

N/A

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations) as amended to 2022.

It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

5 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*:

SATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

A RECOMMENDATIONS

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

Investigation without delay is recommended for observations identified as 'FI - Further Investigation Required'.

Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by:

5 Years

Note: The proposed date for the next inspection should take into consideration the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

N/A There are no items adversely affecting electrical safety

or

ing observations and recommendations are made

	servations	Code
Communal lighting missing screws/damaged		C3
DBs are missing warning stickers/ RCD test/n	next test - RECTIFIED	NOTE
DB1 - Unable to gain access to test circuits 1	L2, 1L3, 3L2 and 3L3	LIM
DB1 - Cover missing screws - RECTIFIED		NOTE
Armoured cables have plastic cable ties supp	orting them not metal	C3
Light in cycle room not working - Lamps		C3
Socket in hallway by intake is damaged - REC	CTIFIED	NOTE
Trunking lid isnt fixed correctly and missing k	pends exposing single insulated cables - RECTIFIED	NOTE
PIR on 3rd floor hanging, not fixed correctly	- RECTIFIED	NOTE
PIRs on stairs not working correctly, lights pe	ermantley on - RECTIFIED	NOTE
Lights E97, E83 and E99 not working		C3
DB4 - 7th floor intake - missing DB cover scre	ews - RECTIFIED	NOTE
Unable to access roof to test		LIM
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Earthing Arrangement TN-S: TN-C-S: N. TNC: N. TT: N. IT: N. IT: Means of E Distributor's facility: Installation earth electrons. Main Switch Location: Current ratin If RCD main RCD Type: Earthing and Earthing con Conductor material:	//A	Num AC: DC: N/A Other: Confirmat N/A N/A 100 A ch: N/A ective Bon or Copper	Type Resis Circuit- Fuse Ratec curre ding Con 1-pha (2-wire 3-pha (3-wire 1 Type Resis Circuit- Ir Fuse Curre ding Con csa:	Type of see re): N/see: N/ee:	ATIC rating all op : : : : : : : : : : : : : : : : : :	Conducto 2-phase (3-wire): 3-phase (4-wire): 3-wire: ON REF Details of N/A Th: CD Gor setting Connectic continuit verified: Connectic	N/A N/A N/A ERRE Install N/A N/A Ong: N/A ion/	Natula Nomina V/Uo: Nomina V/Uo: Nomina V/Uo: Nomina V/Uo: Nomina V/Ioopim Numbe D TO I ation Ear Locati Methor measu BS (EN) 125 mA To pi	are of Supply al voltage, al frequency ctive fault, lpf: al earth faul pedance, Z r of supplies. N THE R th Electrode on: ad of urement: A Voltage Rated time delay:	y Paramete 40 7, f: 50 1.1 t e: 0.2 s: EPORT e (where a) 0439-3 ge rating: N/A callation	00 V 0 Hz 0 kA 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BS (EN) Type: Rated cu le) N/A N/A Number OO V Measured operating tive parts To gas pipes: To ligh proted	of poles installation: ter serv	LIM LIM LIM	1/A ms

12/11	ISPECTION SCHEDULE	
Item	Description	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY) Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the rep the appropriate authority	ort informs
1.1	Service cable	Pass
1.2	Service head	Pass
1.3	Earthing arrangements	Pass
1.4	Meter tails	Pass
1.5	Metering equipment	Pass
1.6	Isolator (where present)	N/A
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES	
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A
3.0	AUTOMATIC DISCONNECTION OF SUPPLY	
3.1	Main earthing/bonding arrangements (411.3; Chap 54):	
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3)	Pass
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	Pass
3.1.3	Adequacy of earthing conductor connections (542.3.2)	Pass
3.1.4	Accessibility of earthing conductor connections (543.3.2)	Pass
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)	Pass
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	Pass
3.1.7	Accessibility of all protective bonding connections (543.3.2)	Pass
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)	Pass
3.2	FELV - requirements satisfied (411.7; 411.7.1)	N/A
4.0	OTHER METHODS OF PROTECTION (where any of the methods listed below are employed details shorovided on separate sheets)	ould be
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	N/A
4.3	Electrical separation (Section 413; 418.3)	N/A
4.4	Double insulation (Section 412)	N/A
4.5	Reinforced insulation (Section 412)	N/A
5.0	DISTRIBUTION EQUIPMENT	
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	Pass
5.2	Security of fixing (134.1.1)	Pass
5.3	Condition of insulation of live parts (416.1)	Pass
5.4	Adequacy/security of barriers (416.2)	Pass
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	Pass
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	Pass
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	Pass
5.8	Presence and effectiveness of obstacles (417.2)	Pass
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)	Pass
5.10	Operation of main switch(es) (functional check) (643.10)	Pass
5.11	Manual operation of circuit-breakers, RCDs and AFDDs to prove functionality (643.10)	Pass
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	Pass
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	Pass
OUTCON Accepta condition	ble DASS Unacceptable C1 as C2 Improvement C2 Further FI Not Not Not Improvement C3 Further FI Not N	Not N/A

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12/IN	SPECTION SCHEDULE (CONTINUED)	
Item	Description	Outcome
5.15	Presence of RCD six-monthly test notice, where required (514.12.2)	Pass
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	Pass
5.17	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A
5.18	Presence of next inspection recommendation label (514.12.1)	Pass
5.19	Presence of other required labelling (please specify) (Section 514)	Pass
5.20	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	N/A
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
5.22	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	Pass
5.23	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	Pass
6.0	DISTRIBUTION CIRCUITS	
6.1	Identification of conductors (514.3.1)	Pass
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	LIM
6.3	Condition of insulation of live parts (416.1)	Pass
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
6.6	Cables correctly terminated in enclosures (Section 526)	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	Pass
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	Pass
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	Pass
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50mm from a surface, are partitions containing metal parts:	id in
6.15.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or	Pass
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.204)	Pass
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
6.17	Band II cables segregated/separated from Band I cables (528.1)	Pass
6.18	Cables segregated/separated from non-electrical services (528.3)	Pass
6.19	Condition of circuit accessories (651.2)	Pass
6.20	Suitability of circuit accessories for external influences (512.2)	Pass
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	Pass
6.22	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)	Pass
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)	Pass
6.24	General condition of wiring systems (651.2)	Pass
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	Pass
7.0	FINAL CIRCUITS	
7.1	Identification of conductors (514.3.1)	Pass
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	LIM
7.3	Condition of insulation of live parts (416.1)	Pass
OUTCOM Acceptal condition	ole DASS Unacceptable C1 as C2 Improvement C2 Further FI Not Not Not Improvement Not Not	ot N/A

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12 IN	ISPECTION SCHEDULE (CONTINUED)	
Item	Description	Outcome
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	Pass
7.11	Cables concealed under floors, above ceilings, in walls/partitions, adequately protected against dar (522.6.201; 522.6.202; 522.6.203; 522.6.204):	mage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)	Pass
7.11.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section 4. Extent and limitations) (522.6.201; 522.6.204)	Pass
7.12	Provision of additional protection by 30mA RCD:	
7.12.1	For all socket-outlets of rating 32A or less, unless an exemption is permitted (411.3.3) *	Pass
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	Pass
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *	Pass
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *	Pass
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *	Pass
	* Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for addition protection.	nal
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	Pass
7.14	Band II cables segregated/separated from Band I cables (528.1)	Pass
7.15	Cables segregated/separated from non-electrical services (528.3)	Pass
7.16	Termination of cables at enclosures – identify/record numbers and locations of items inspected (Se 526):	ection
7.16.1	Connections under no undue strain (526.6)	Pass
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)	Pass
7.16.3	Connections of live conductors adequately enclosed (526.5)	Pass
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	Pass
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	Pass
7.18	Suitability of accessories for external influences (512.2)	Pass
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	Pass
8.0	ISOLATION AND SWITCHING	
8.1	Isolators (Sections 460; 537):	
8.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)	Pass
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	Pass
8.1.3	Capable of being secured in the OFF position (462.3)	Pass
8.1.4	Correct operation verified (643.10)	Pass
8.1.5	Clearly identified by position and/or durable marking (537.2.6)	Pass
8.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	Pass
8.2	Switching off for mechanical maintenance (Section 464; 537.3.2):	
8.2.1	Presence and condition of appropriate devices (464.1; 537.3.2)	Pass
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	Pass
8.2.3	Capable of being secured in the OFF position (462.3)	Pass
8.2.4	Correct operation verified (643.10)	Pass
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	Pass
OUTCOM Acceptal conditio	ble DASS Unacceptable C1 or C2 Improvement C2 Further FI Not NAV Limitation LIM	Not licable N/A

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12/11	ISPECTION SCHEDULE (CONTINUED)	
Item	Description	Outcome
8.3	Emergency switching/stopping (Section 465; 537.3.3):	
8.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	Pass
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	Pass
8.3.3	Correct operation verified (643.10)	Pass
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	Pass
8.4	Functional switching (Section 463; 537.3.1):	
8.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	Pass
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	Pass
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Condition of equipment in terms of IP rating etc (416.2)	Pass
9.2	Equipment does not constitute a fire hazard (Section 421)	Pass
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	Pass
9.4	Suitability for the environment and external influences (512.2)	Pass
9.5	Security of fixing (134.1.1)	Pass
9.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number	Pass
	and location of luminaires inspected (separate page) (527.2)	1 033
9.7	Recessed luminaires (downlighters):	
9.7.1	Correct type of lamps fitted (559.3.1)	N/A
9.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)	N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)	N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	Pass
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	Pass
10.3	Shaver supply units comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	Pass
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	Pass
10.5	Low voltage (e.g. 230 V) socket-outlets sited at least 2.5m from zone 1 (701.512.3)	Pass
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	Pass
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	Pass
10.8	Suitability of current-using equipment for particular position within the location (701.55)	Pass
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS	
	List all other special installation or locations present, if any. (Record separately the results of particular inspecti	
11.1	N/A	N/A
11.2	N/A	N/A
11.3	N/A	N/A
11.4		N/A
11.5		N/A
12.0	PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S) Where the installation includes additional requirements and recommendations relating to Chapter 82, additional items should be added to the checklist below.	I inspection
12.1		N/A
12.2		N/A
12.3		N/A
12.4		N/A
12.5		N/A
Inspect	ted by:	
Name:		5/01/2023
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Circuit number				Type of wiring	Reference method	Number of points se	Live (r	cpc (m	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (Maximum permitted	BS (EN)	Туре	Rated operating current (mA)	Rating	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live -	Live -	Polarity (tick)	Maximum measured (Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	Switch room lights			A	В	3	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				0.31		500		>200	~	0.50	25	✓	
1 L2	Boiler room lights			А	В	LIM	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				LIM		500	> 200	> 200	~	LIM	26	~	
1 L3	Boiler room left			А	В	LIM	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				LIM		500	> 200	> 200	~	LIM	22	~	
2 L1	Binstore lights			А	В	2	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				0.54		500	> 200	> 200	~	0.64	26	~	
2 L2	Lobby lights			А	В	8	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				0.65		500	> 200	> 200	~	0.80	28	~	
2 L3	Bike shed lights			А	В	4	2.5	1.5	0.4	61009	В	6	10	7.28	61009	AC	30	6				0.62		500	> 200	> 200	~	0.78	27	~	
3 L1	Switchroom socket			А	В	1	2.5	1.5	0.4	61009	В	20	10	2.19	61009	AC	30	20				0.12		500	> 200	> 200	~	0.34	24	~	
3 L2	Entrance right socket			A	В	LIM	2.5	1.5	0.4	61009	В	20	10	2.19	61009	AC	30	20				LIM		500	> 200	> 200	~	LIM	22	~	
3 L3	entrance left socket			A	В	LIM	2.5	1.5	0.4	61009	В	20	10	2.19	61009	AC	30	20				LIM		500	> 200	> 200	~	LIM	21	~	
4 L1	Binroom sockets			А	В	2	2.5	1.5	0.4	61009	В	20	10	2.19	61009	AC	30	20				0.34		500	> 200	> 200	~	0.56	26	~	
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1	ESTED BY																														
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DB r	reference:	DI	B1					Loc	cation:		(Grou	nd flo	or intak	е			Supp	olied	from:					Oriç	gin				
					CIR	CUIT	DETAI	LS														Т	EST R	ESULT	DETAIL:	S				
				Cond	luctor c	letails		(s)	Overcuri	rent pi	otecti	ve dev	vice		RCD				Con	tinuity	(Ω)		Insula	ation res	sistance		Zs	RC	D	AFDI
_				thod			nber size	ct time BS7671					(ω)			Вu		Ring	final c	ircuit	R1+ or	R2	2	â	MΩ)			_	$\overline{\Sigma}$	utton k)
Circuit number	Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (M Ω)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L2	Bike shed sockets		Α	В	2	2.5	1.5	0.4	61009	В	20	10	2.19	61009	AC	30	20				0.29		500	> 200	> 200	•	0.52	25	~	
4 L3	Spare																													
5 L1	Unknown		Α	В	LIM	6	6	0.4	60898	С	32	10	0.68								LIM		500	> 200	> 200	~	LIM			
5 L2	Unknown		Α	В	LIM	6	6	0.4	60898	С	32	10	0.68								LIM		500	> 200	> 200	~	LIM			
5 L3	Unknown		Α	В	LIM	6	6	0.4	60898	С	32	10	0.68								LIM		500	> 200	> 200	~	LIM			
6 L1	Unknown		Α	В	LIM	2.5	1.5	0.4	61009	С	20	10	1.09	61009	Α	30	20				LIM		500	> 200	> 200	~	LIM	18	~	
6 L2	Unknown		Α	В	LIM	2.5	1.5	0.4	61009	С	20	10	1.09	61009	А	30	20				LIM		500	> 200	> 200	~	LIM	22	~	
6 L3	Unknown		Α	В	LIM	2.5	1.5	0.4	61009	С	20	10	1.09	61009	Α	30	20				LIM		500	> 200	> 200	~	LIM	19	~	
CODE	A Thermonlastic	B	nlastic		The	C	astic		D Thermopla	astic		The	E ermopla	stic		F			G			H				() - Oth	er		
TYP	CODES FOR Thermoplastic Thermoplastic Thermoplastic TYPE OF insulated/sheathed cables in cable WIRING cables metallic conduit nonmetallic					cables	in	t	cables i	in		C	cables in	1		noplas A cable			rmose WA cal		in	Mine sulated	eral d cable	es			N/A			

	DISTRIBUTION BOARD DE	TAI	LS																										
DB r	eference: D	B 2					Loc	ation:			1st	floor	intake				Supp	lied f	from:					Oriç	gin				
Distrib	ution circuit OCPD: BS (EN):				N	/A				٦	ype:	N.	/A	Rati	ng/S	ettin	ıg:	N/A	A		No	of pl	hases:	ı	N/A				
SPD D	etails: Types: T1 N/A	T2	N/A	Т	3	N/A	N.	/A /					ndicator ality indi		•			N/A	4										
Confir	mation of supply polarity		Co	onfirn	natior	n of p	hase	sequence	е	ı	N/A									Zs at	DB:	0	.24 Ω		Ιμ	of at I	DB:	1.10) ka
(0	CHEDULE OF CIRCUIT DE	TAI	IS	ANI) TF	ST	RFS	II TS																					
	THE STEE OF STREET SE				CUIT																Т	EST RI	ESULT D	ETAIL:	S				
			Cond	luctor c	letails		(s)	Overcurr	ent p	rotecti	ve dev	rice		RCD				Con	tinuity	(Ω)		Insula	ition resi	stance		Zs	RC	.D	AFDD
			p		Nun	nber size	time 7671										Ring	final ci	ircuit	R1+ or I	R2								uo
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (MΩ)	Live - Earth (M Ω)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1	1st floor lights	Α	В	10	2.5	2.5	0.4	61009	С	10		2.19	61009	А	30	10				0.49		500	> 200	> 200	~	0.58	26	•	
2	2nd floor lights	А	В	10	2.5	2.5	0.4	61009	С	10	10	2.19	61009	А	30	10				0.54		500	> 200	> 200	~	0.69	27	~	
3	G,1,2 Stair lights	А	В	9	2.5	2.5	0.4	61009	С	10	10	2.19	61009	А	30	10				0.63		500	> 200	> 200	~	0.79	28	~	
4	Spare																												
5	Sockets floor 1	А	В	1	2.5	2.5	0.4	61009	С	20	10	1.09	61009	А	30	20				0.17		500	> 200	> 200	~	0.35	24	~	
6	Sockets floor 1	А	В	2	2.5	2.5	0.4	61009	С	20	10	1.09	61009	А	30	20				0.22		500	> 200	> 200	~	0.40	21	~	
7	Sockets floor 2	А	В	1	2.5	2.5	0.4	61009	С	20	10	1.09	61009	А	30	20				0.24		500	> 200	> 200	~	0.38	24	~	
8	Sockets floor 2	А	В	2	2.5	2.5	0.4	61009	С	20	10	1.09	61009	А	30	20				0.21		500	> 200	> 200	~	0.40	24	~	
9	1/2/3 floor riser sockets	Α	В	3	2.5	2.5	0.4	61009	С	20	10	1.09	61009	А	30	20				0.21		500	> 200	> 200	~	0.39	25	•	
10	Spare																												
TYP	S FOR Thermoplastic Thermo E OF insulated/sheathed cable R NG cables metallic	astic in condui	t	D Thermopla cables i metallic tru	n		C	E ermoplas ables in etallic tru	1		F moplas A cable			G rmose WA cab		ins	H Mine sulated		S		C) - Oth N/A							
	ETAILS OF TEST INSTRU																												
	ils of test instruments used (serial unctional:		or as: 7002		umbe	rs):	l e	sulation	rocio	tanc	0.				n	/a				Con	ıtinui	t./·				n/a			
	electrode resistance:		n/a	2.5				arth fault				ice.				/a /a				RCE		ιy.				n/a			
			11/4				L	ar tir rault	100	, iiiip	Cual				11	ı a				NOL						11/4			
Nam	e: Thomas Garrett		F	Positio	on:			Engi	nee	r			Sign	ature	e:			7.6	Ma	THE STATE OF				Date	e:	23	/01/:	2023	
This for	m is based on the model shown in	Appe	ndix	6 of	BS 76	571:2	2018-	+A2: 2022	2.													R	ef: 20	23-00	0000)85 -	 Page	: 10 (of 22

S	CHED	ULE OF CIRC	UIT DE	RES	ULTS																										
DB r	eference	e :	DI	B 2					Loc	cation:			1st	t flooi	r intake				Supp	olied	from					Ori	gin				
						CIR	CUIT	DETAI	ILS														Т	EST R	ESULT	DETAIL	S				
					Cond	luctor o	details		(s)	Overcuri	rent p	rotecti	ive dev	/ice		RCD				Con	tinuity	(Ω)		Insula	ation res	istance		Zs	RO	CD	AFDE
					po		Nur and	nber size	time 7671										Ring	final c	ircuit	R1- or	R2 R2								ton
mber		Circuit description		iring	meth	red	6	<u></u>	nnect by BS				(¥)	Zs (Ω)			erating nA)			E C				ge (V)	(MΩ) ∈	th (Ms	ick)	(a)	ction	u (tick)	st but (tick)
Circuit number				Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (M Ω)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
11	VID CRC	: 1		Α	В	1	2.5	2.5	1 1	61009	С	6	10	3.64	61009	Α	30	6				0.21		1		> 200		0.38		~	
12	VID CRO	3		А	В	1	2.5	2.5	0.4	61009	С	6	10	3.64	61009	А	30	6				0.18		500	> 200	> 200	~	0.41	27	~	
0000	C FOD	A Thermoplastic	B Thermor	alact!		T1	C ermopl	oot!-		D	oot/-		T1.	E ermopla	otio		F			G			F	1			(O - Oth	ner		
TYP	S FOR E OF RING	olastic s in conduit			ermopi cables ietallic	in	it	Thermopla cables metallic tru	in		(ermopia cables ir etallic tr	า		moplas A cable			ermose WA cal		in	Mine sulate	eral d cable	s			N/A	•				

1	DISTRIBUTION	BOA	ARD DI	ETAI	LS																										
DB r	eference:		С)B 3					Loc	cation:			4th	Floo	r intake				Supp	olied f	rom	:				Ori	gin				
Distrib	ution circuit OCPD:	BS (EN):				N	I/A				-	Гуре	: N	/A	Rati	ng/S	ettir	ng:	N/A	А		No	o of p	hases		3				
SPD D	etails: Types:	T1	N/A	T2	N/A	. 1	T3	N/A	N	/A /					ndicator		•			N/A	4										
	31		~							sequence	2		ıuı ✓	nction	ality indi	cator	pres	sent)				Zs at	· DD-	().24 c	,		pf at	DD:	1 2	20 kA
	mation of supply pol		·																			ZS at	. ББ.).Z4 <u>s</u>		'	ρι αι ———	<u></u>	1.2	
	CHEDULE OF C	CIRC	ULI DI	<u> IAI</u>	LS		CUIT			ULIS														EST D	ECHIT	DETAIL	c				
					Cond	luctor o		DETAI	(S)	Overcurr	ent n	rotecti	ve dev	vice		RCD				Con	tinuity	(0)	'		ation res		3	Zs	RC	,D	AFDD
						luctor c	Nur	nber		Overcuit	citt p	loteeti	Te de	7100		KOB			Rina	final ci		R1+	-R2	msaic	THOIT TOS	istarice		23	110		
Der	Circuit desc	ription		₽.	ethoc	0		size	ect til y BS7					(a) s			ting					Oi	N2	3	(aM	(MΩ)	ଚ	(a)	5	CK)	butto ick)
num			f wiri	псе п	er of served	(mm ²)	(mm ²)	sconr ted by	9		3	ng ty (kA)	um ted Zs	9		opera t (mA	3	(m)	utral)	<i>~</i>			oltage	- Live (MΩ)	Earth (MΩ)	y (tick	nm red (s	nections)	utton ion (t	I test ion (t	
Circuit number			Type of wiring	Reference method	Number of points se	Live (r	cpc (m	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (Maximum permitted	BS (EN)	Type	Rated operating current (mA)	Rating	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live -	Live -	Polarity (tick)	Maximum measured (Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)	
1 L1	3rd floor lights		A	В	10	2.5	2.5	0.4	61009	С	10	6	2.19	61009	A	30	10				0.81		500	423	> 200	~	1.00		✓		
1 L2	4th floor lights			A	В	10	2.5	2.5	0.4	61009	С	10	6	2.19	61009	А	30	10				0.63		500	279	> 200	~	0.84	25	~	
1 L3	5th floor lights			А	В	10	2.5	2.5	0.4	61009	С	10	6	2.19	61009	А	30	10				0.67		500	> 200	> 200	~	0.79	26	~	
2 L1	Level 3 power			А	В	2	2.5	2.5	0.4	61009	В	20	6	2.19	61009	А	30	20				0.19		500	> 200	> 200	~	0.31	24	~	
2 L2	Level 3 power			А	В	1	2.5	2.5	0.4	61009	В	20	6	2.19	61009	А	30	20				0.24		500	> 200	> 200	~	0.39	35	~	
2 L3	Level 4 power			А	В	1	2.5	2.5	0.4	61009	В	20	6	2.19	61009	А	30	20				0.22		500	> 200	> 200	~	0.40	24	~	
3 L1	Level 4 power			А	В	2	2.5	2.5	0.4	61009	С	20	6	1.09	61009	А	30	20				0.25		500	> 200	> 200	~	0.48	28	~	
3 L2	Level 5 power			A	В	2	2.5	2.5	0.4	61009	С	20	6	1.09	61009	A	30	20				0.32		500	> 200	> 200	~	0.50	27	~	
3 L3	Level 5 power			A	В	1	2.5	2.5	0.4	61009	С	20	6	1.09	61009	А	30	20				0.36		500	> 200	> 200	~	0.54	24	~	
4 L1	Stairs lighting			В	В	10	2.5	2.5	0.4	61009	С	10	6	2.19	61009	Α	30	10				0.84		500	> 200	> 200	~	1.01	25	~	
	S FOR Thermoplas			oplastic			C ermopl			D Thermopla				E ermopla		Therr	F noplas	tic	The	G ermoset	ttina		H Mine				(O - Oth			
	E OF insulated/sheat cables	es in conduit	t		cables etallic		t	cables i metallic tru				cables in etallic tr			A cable			WA cat		in		d cable	s			N/A					
	DETAILS OF TE																														
	ils of test instrumen	d (serial		or as: 7002		umbe	ers):									n	/a				0	. 4.1					n/a				
	unctional:				20				nsulation													ntinu	ity:								
	electrode resistance:			n/a				E	arth fault	1000	קוזוו כ	edar	ice:			n	/a				RCI	J:					n/a				
	ESTED BY																			-		-				_			101	2021	
Nam	e: I hom	nas Ga	arrett		F	Positio	on:			Engi	nee	r			Sign	ature	:			:7.6		4				Date	3 :	Ub	/01/	2023	i

S	CHEDU	LE OF CIRC	UIT DE	TAI	LS .	<u>ane</u>) TE	ST	RES	ULTS																					
DB r	eference:		DI	В 3					Loc	cation:			4th	Floo	r intake				Supp	olied	from	:				Ori	gin				
						CIR	CUIT	DETAI	ILS														7	ΓEST R	ESULT	DETAIL	_S				
					Cond	luctor o	details		(\$)	Overcuri	ent p	rotecti	ive dev	/ice		RCD				Con	tinuity	(Ω)		Insul	ation res	istance		Zs	R	CD	AFDE
ber		Circuit description		ing	method	eq	and	mber size	nect time by BS7671				F F	(a) ZS			ating A)		Ring	final c	ircuit	R1- or	₩ <u>2</u>	<u>S</u>	(MΩ)	(ΩM) r	\ \times	(0)	ion	tick)	t button tick)
Circuit number				Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (M Ω)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L2	Stairs and	riser sockets		Α	В	2	2.5	2.5	0.4	61009	С	20	6	1.09	61009	А	30	20				0.31		500	> 200	> 200	~	0.49	26	~	
4 L3	Stairs s/o a	and riser sockets		Α	В	5	2.5	2.5	0.4	61009	С	20	6	1.09	61009	А	30	20				0.34		500	> 200	> 200	~	0.51	26	~	
		•															_											0 0			
TYP	S FOR E OF ir	A Thermoplastic nsulated/sheathed cables	B Thermop cables metallic o	olastic s in			C ermopl cables etallic	in	it	Thermopla cables metallic tru	in		(E ermopla cables in etallic tr	า		F noplas A cable			G ermose WA cal		in	Min	H eral d cable	es			0 - Oth N/A			

1	DISTRIBUTION BOARD DE	TAI	LS																										
DB r	eference: D	B 4					Loc	ation:			7th	floor	r intake				Supp	lied f	rom:					Oriç	gin				
Distrib	ution circuit OCPD: BS (EN):				N.	/A				7	Гуре:	N.	/A	Rati	ng/S	ettir	ıg:	N/A	А		No	of pl	hases:		1				
SPD D	etails: Types: T1 N/A	T2	N/A	. Т	-3 l	N/A	N	/A /					ndicator ality indi		,			N/A	4										
	mation of supply polarity		Cc	onfirn	nation	n of r	hase	sequence	2		rui ✓	ICTION	anty mui	cator	pres	епт)				Zs at	DB:	C).22 Ω		Ir	of at I	DB:	1.10) kA
	CHEDULE OF CIRCUIT DE	TAI																							''		<i>.</i>		7
	CHEDOLL OF CIRCOIT DE	IAI	LJ		CUITE			JLIJ													Т	EST R	ESULT D	ETAILS	 S				
			Cond	luctor c	letails		(8)	Overcurr	ent p	rotecti	ve dev	rice		RCD				Con	tinuity	(Ω)		Insula	ition resi	stance		Zs	RC	.D	AFDD
			po		Num and		time 37671										Ring	final ci	rcuit	R1+	R2 R2			<u>a</u>					ton
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (Ma)	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1	Level 6 lights	В	В	10	2.5	2.5	0.4	61009	С	10		2.19	61009	А	30	10				0.64		500	> 200	> 200		0.74	24	•	
2	Level 7 lights	В	В	10	2.5	2.5	0.4	61009	С	10		2.19	61009	А	30	10				0.55		500	> 200	> 200	~	0.63	26	•	
3	level 8 lights	В	В	10	2.5	2.5	0.4	61009	С	10		2.19	61009	А	30	10				0.79		500	> 200	> 200	~	0.88	28	•	
4	level 6 power	В	В	2	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.24		500	> 200	> 200	~	0.41	26	•	
5	Level 6 power	В	В	1	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.28		500	> 200	> 200	~	0.44	27	•	
6	level 7 power	В	В	1	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.18		500	> 200	> 200	~	0.40	24	•	
7	level 7 power	В	В	2	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.19		500	> 200	> 200	•	0.34	25	•	
8	Level 8 Power	В	В	2	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.23		500	> 200	> 200	•	0.36	25	•	
9	Level 8 Power	В	В	1	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.29		500	> 200	> 200	~	0.41	27	•	
10	Socket in riser	В	В	1	2.5	1.5	0.4	61009	С	20		1.09	61009	А	30	20				0.05		500	> 200	> 200	•	0.20	26	•	
TYP	A E S FOR Thermoplastic Thermo E OF insulated/sheathed cable RING cables metallic	plastic s in			C ermopla cables i etallic d	n	t	D Thermopla cables i metallic tru	n		(E ermoplas ables in tallic tru	1		F noplas A cable			G rmose WA cat		in	H Mine sulated		S		C) - Oth N/A			
	ETAILS OF TEST INSTRU																												
	ils of test instruments used (serial		or as: 7002		umbe	rs):	l								n	/a				0						n/a			
	unctional:			20				sulation													ntinui N	ity:							
Earth electrode resistance: n/a Earth fault loop impe															n	/a				RCI): 					n/a			
Nam	e: Thomas Garrett m is based on the model shown in	A 15 15 1		Positio		74.4	2010	Engi		r			Sign	ature	:			: 7.6	Ma	af .		-	ef: 20	Date				2023	

S	CHEDUL	E OF CIRC	UIT DE	TAI	LS A	AND) TE	ST	RES	ULTS																					
DB r	eference:		DI	В 4					Loc	cation:			7th	n flooi	r intake				Supp	olied	from	:				Ori	gin				
						CIR	CUIT	DETAI	ILS														Т	EST R	ESULT I	DETAIL	S				
					Cond	luctor o	details		(S)	Overcuri	rent p	rotect	ive dev	/ice		RCD				Con	tinuity	(Ω)		Insula	ation res	istance		Zs	RC	D	AFDD
					po		Nur and	nber size	time 7671										Ring	final c	ircuit	R1 or	₩ <u>2</u>								ton
Circuit number	(Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
11	V/D LRC (Sk	(y)		В	В	1	2.5	2.5	0.4	61009	С	6		3.64	61009	Α	30	6				0.41		500	> 200	> 200	~	0.57	24	•	
12	Staircase lig	hts 6/7/8		В	В	8	1.5	1.5	0.4	61009	С	10		2.19	61009	А	30	10				0.91		500	> 200	> 200	~	1.00	26	~	
		^					-			D							F			G			F					0+1-			
	S FOR	A Thermoplastic	Thermor	plastic			C ermopl			Thermopla			The	E ermopla	stic	Thern		tic	The	ermose	tting		Mine) - Oth			
TYP WIF		sulated/sheathed cables	cables metallic				cables etallic		it	cables i metallic tru	in Inking			cables ir etallic tr			A cabl			WA cal		in		erai d cable	s			N/A	i.		

	NCTPLPLITION POADD DE	T A 1	1.0																										
	OISTRIBUTION BOARD DE		LS								011-	F1												0-1					
'DB r	eference: D	B 5					Loc	cation:			8th	FIOO	r Intake				Supp	olied 1	from:					Ori	gin				
Distrib	ution circuit OCPD: BS (EN):				N	/A				٦	уре:	: N	/A	Rati	ng/S	ettir	ng:	N/A	A		No	of pl	hases:		3				
SPD D	etails: Types: T1 N/A	T2	N/A	Т	3	N/A	N	/A 🗸					ndicator ality indi		•			N/A	4										
Confirr	mation of supply polarity		Co	onfirm	natior	n of p	ohase	sequenc	е		~									Zs at	DB:	C).23 Ω	2	lp	of at	DB:	0.8	4 kA
S	CHEDULE OF CIRCUIT DE	TAI	LS	AND	TE	ST	RES	ULTS																					
				CIR	CUITI	DETAI	LS														Т	EST R	ESULT [DETAIL	S				
			Cond	ductor c	letails		(s)	Overcurr	ent p	rotecti	ve dev	vice		RCD				Con	tinuity	(Ω)		Insula	ition resi	stance		Zs	RC	D	AFDD
			po			nber size	time 37671										Ring	final c	ircuit	R1+ or	R2			রি					ton
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Type	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (M Ω)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
1 L2	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
1 L3	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
2 L1	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
2 L2	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
2 L3	Unknown	G	С	LIM	4	4	0.4	60898	С	10	10	2.19								LIM		LIM	LIM	LIM	LIM	LIM			
3 L1	Socket in riser	В	В	1	2.5	2.5	0.4	61009	В	20	10	2.19	61009	А	30	20				0.06		500	> 200	> 200	~	0.27	24	•	
4 L2	Spare																												
3 L2	Spare																												
3 L3	Extractor fan control panel	G	Α	6	6	6	0.4	61009	В	32	10	1.37								0.17		500	> 200	> 200	~	0.39			
CODE TYP WIF	E OF insulated/sheathed cable	plastic s in		(C ermopli cables etallic	in	it	D Thermopla cables i metallic tru	n		(E ermopla cables in etallic tr	n		F moplas A cable			G rmose WA cat		in	H Mine sulated		S		C) - Oth N/A			
	ETAILS OF TEST INSTRU				ء ما مدر،	\.																							
	ils of test instruments used (serial unctional:		or as: 7002		arribe	ers):	Ir	nsulation	resis	stanc	e:				n	/a				Cor	ntinui	ity:				n/a			
	electrode resistance:		n/a					arth fault				ice:				/a				RCI						n/a			
	ESTED BY e: Thomas Garrett			Positio	an:			Engi	noo	r			Sign	atura					- Ha	TOP .				Date			/01/	2023	
Nam	m is based on the model shown in				571·	2 <u>01</u> 2	Engi		1			Sign	ature	•			7-6	-CV	1		D	ef: 20							
	Subseq of the fileder showing	PPC	. 1017	J 01	, (-,			- •													11			5500		· ugc		

S	CHEDUL	LE OF CIRC	UIT DE	TAI	LS .	AND) TE	ST	RES	ULTS																					
DB r	eference:		DI	B 5					Loc	cation:			8th	Floo	r Intake				Supp	olied	from	:				Oriç	gin				
						CIR	CUIT	DETA	ILS														Т	EST R	ESULT [DETAIL:	S				
					Cond	luctor c	letails		(s)	Overcurr	ent p	rotecti	ive de	/ice		RCD				Con	tinuity	(Ω)		Insula	ition res	istance		Zs	RO	CD	AFDD
					po		Nur and	mber size	time 7671										Ring	final c	ircuit	R1- or	+R2 R2			<u> </u>					ton
Circuit number		Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L1	Extractor fa	an control panel		G	Α	6	6	6	0.4	61009	В	32	10	1.37								0.17		500	> 200	> 200	~	0.39			
4 L3	Extractor fa	an control panel		G	Α	6	6	6	0.4	61009	С	32	10	0.68								0.17		500	> 200	> 200	~	0.39			
																															-
		Α	R				С			D				F			F			G			-	1			(O - Oth	ner		
TYP	S FOR E OF in:	A Thermoplastic sulated/sheathed cables	Thermop cables metallic o	s in			ermopl cables etallic	in	uit	Thermopla cables i metallic tru	in			E ermopla cables in etallic tr	า	Therr /SW/				rmose WA cal		in	Mine		s			N/A			

D	ISTRIBUTION BOARD D	ETAI	LS																										
DB re	eference:	DB 6					Loc	cation:			8th	Floo	r intake				Supp	lied	from:					Orio	gin				
Distrib	ution circuit OCPD: BS (EN):				N	/A				7	Гуре	N	/A	Rati	ng/S	ettin	g:	N/A	A		No	of ph	nases:		3				
SPD De	etails: Types: T1 N/A	T2	N/A	Т	3	N/A	N	/A /					ndicator ality indi		•			N/	4										
Confirr	nation of supply polarity	,	С	onfirm	natior	n of p	hase	sequence	е		/				J	,				Zs at	DB:	0	.24 Ω		Ιp	of at I	DB:	1.10	0 ka
S	CHEDULE OF CIRCUIT D	ETAI	LS	AND) TE	ST	RES	ULTS																					
					CUITI																Т	EST RE	ESULT D	ETAILS	S				
			Conc	ductor d	letails		(\$)	Overcurr	ent pi	otecti	ve dev	/ice		RCD				Con	tinuity	(Ω)		Insula	tion resi	stance		Zs	RC	D	AFDD
			po			nber size	time 37671										Ring	final c	ircuit	R1+ or	R2			2					ton
Circuit number	Circuit description	Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (Ma)	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	Spare																												
1 L2	Spare																												
1 L3	Spare																												
2 L1	Spare																												
2 L2	Spare																												
2 L3	Spare																												
3 L1	PV Invertor Roof	G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	•	LIM	22		
3 L2	PV Invertor Roof	G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	•	LIM	22		
3 L3	PV Invertor Roof	G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	~	LIM	22		
4 L1	PV Invertor Roof	G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	~	LIM	22		
CODE: TYPI WIR	E OF insulated/sheathed cal	B noplastic ples in c condui		(C ermopl cables etallic	in	t	D Thermopla cables i metallic tru	n		(E ermopla cables in etallic tr	า		F noplas A cable			G rmose WA cal		in	H Mine sulated		5		C) - Oth N/A			
_	ETAILS OF TEST INSTR			eet p	ımbo	·ro).																							
	ils of test instruments used (seria unctional:		or as '7002		эппре	15):	Ir	nsulation	resis	tanc	e:				n	/a				Cor	ntinui	ity:				n/a			
Earth e	electrode resistance:		n/a					arth fault				nce:				/a				RCI						n/a			
Nam	e: Thomas Garrett m is based on the model shown	n Appe		Positio		671::	2018-	Engi		r			Sign	ature	;			7.0	alla	ag .		R	ef: 20	Date				2023	

S	CHEDU	LE OF CIRCU	JIT DE	TAI	LS .	AND) TE	ST	RES	ULTS																					
DB r	eference:		DI	B 6					Loc	cation:			8th	ı Floo	r intake				Supp	olied	from:	:				Oriç	gin				
						CIR	CUIT	DETA	ILS														Т	EST R	ESULT [DETAIL:	S				
					Cond	luctor c	letails		(s)	Overcurr	ent p	rotecti	ive dev	/ice		RCD				Con	tinuity	(Ω)		Insula	ition resi	istance		Zs	RC	CD	AFDD
					pc		Nur and	mber size	time 7671										Ring	final c	ircuit	R1- or	R2 R2								no
Circuit number		Circuit description		Type of wiring	Reference method	Number of points served	Live (mm ²)	cpc (mm ²)	Max disconnect time permitted by BS7671	BS (EN)	Туре	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)	BS (EN)	Туре	Rated operating current (mA)	Rating (A)	r1 (line)	r _n (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (ΜΩ)	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
4 L2	PV Inverto	r Roof		G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	~	LIM	22		
4 L3	PV Inverto	r Roof		G	В	LIM	6	6	0.4	60898	С	32	10	0.68	61008	AC	300	100				LIM		500	> 200	> 200	~	LIM	22		
CODE	S FOR	A Thermoplastic	B Thermor	olastic		The	C ermopl	astic		D Thermopla	astic		The	E ermopla	stic	т.	F .			G			·				() - Oth			
TYP	E OF in	sulated/sheathed cables	cables metallic	s in			cables etallic	in	it	cables i metallic tru	in		(cables ir etallic tr	n		noplas A cable			rmose WA cal		in	Mine sulated	eral d cable	s			N/A	L		



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ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

- 1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 5). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section 7).
- 2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results
- 3. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 4. The original Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
- 5. Section 4 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
- 6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section 4.
- 7. For items classified in Section 7 as CI (Danger present), the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
- 8. For items classified in Section 7 as C2 (Potentially dangerous), the safety of those using the installation at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
- 9. Where it has been stated in Section 7 that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code CI or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 7).
- 10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section 7 of the Report under Recommendations.
- 11. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed.
- 12. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should. be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.
- 13. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.
- 14. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.