

### ELECTRICAL INSTALLATION CONDITION RFPORT

Yes if yes, estimated age:

304764

5

years

-	ELECTRICAL CONTRACTORS	Requirements For Electrical Installations - BS 767

Report Reference:

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Client: London Borough of Barking and Dagenham

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

## 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: 14/11/2022

# DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Installation Address: 67-92 John Burns Drive, Barking, Essex, IG11 9RJ

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

Evidence of additions/

20 Estimated age of wiring system: years alterations:

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

# EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

WHOLE ELECTRICAL INSTALLATION

Agreed limitations including the reasons (see Regulation 653.2):

N/A

N/A Agreed with:

Operational limitations including the reasons:

No access to main incomer, unable to verify Earthing arrangement, or main incoming tails

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

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

#### SUMMARY OF THE CONDITION OF THE INSTALLATION

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

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

SATISFACTORY

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

# RECOMMENDATIONS

 $\sqrt{}$ here 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

The following observations and recommendations ar	e mad
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Item No		Observations	Classification Code
1	DB2 - no CCU stickers - RECTIFIED		NOTE
2	DB2 - CCU BLANKS MISSING - RECTIFIED		NOTE
3	DB2 - lights in tank room not working - RECTII	FIED	NOTE
4	DB2 - Containment Rusted and Fused spur in t	ank room (Heater)	C3
5	DB1 - No CCU stickers - RECTIFIED		NOTE
6	DB1 - No rubber mat in front of ccu		C3
7	DB1 - Hole in trunking, singles insulated cables	s exposed - RECTIFIED	NOTE
8	Ground floor - outside light missing screws for	cover, water inside fitting - RECTIFIED	NOTE
9	Ground floor - unable to access storage room		NOTE
10	5th floor - light outside flat 87 is broken, Diffu	ser held with tape	NOTE
11	Lights throughout the block have missing scre	ws / non manufacturers fixings	C3
12	No RCD protection to Intake Socket - RECTIFIE	D	NOTE
13	No RCD protection to Motor Room Socket - R	ECTIFIED	NOTE
14	No RCD protection to Shaft Socket - RECTIFIED	)	NOTE
		ocated to each of the observations made above to indi	cate to the person(s
Dan Risk	ole for the installation the degree of urgency for ger Present of injury. Immediate edial action required C2 Potentially da Urgent remedia	ngerous C3 Improvement FI Furth	er investigation red without delay
mmedia	ate remedial action required for items:	N/A	
rgent r	emedial action required for items:	N/A	
mprove	ement recommended for items:	4, 6, 11	
urthori	investigation required for items:	N/A	

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GENERAL CONDITION OF THE INSTALLATION  General condition of the installation (in terms of electrical safety):  GOOD CONDITION																	
GOOD C	CONDITION	NC															
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signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations															ıles,		
provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section 4 of this report.															itions		
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12 IN	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	LIM
1.2	Service head	LIM
1.3	Earthing arrangements	LIM
1.4	Meter tails	LIM
1.5	Metering equipment	LIM
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)	LIM
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	LIM
3.1.3	Adequacy of earthing conductor connections (542.3.2)	LIM
3.1.4	Accessibility of earthing conductor connections (543.3.2)	LIM
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)	LIM
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	LIM
3.1.7	Accessibility of all protective bonding connections (543.3.2)	LIM
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)	LIM
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 sh provided on separate sheets)	ould be
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	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

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)	Pass
5.18	Presence of next inspection recommendation label (514.12.1)	Pass
5.19	Presence of other required labelling (please specify) (Section 514)	C3
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)	C3
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	Pass
6.3	Condition of insulation of live parts (416.1)	Pass
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	Pass
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	Pass
6.6	Cables correctly terminated in enclosures (Section 526)	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	Pass
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	Pass
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	Pass
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	Pass
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	Pass
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	Pass
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	Pass
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50mm from a surface, are partitions containing metal parts:	ıd 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)	C3
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	Pass
7.3	Condition of insulation of live parts (416.1)	Pass
OUTCOM Acceptal condition	ole   DASS   Unacceptable   C1 as C2   Improvement   C2   Further   FI   Not   Not   Not   Improvement   Not   Not	ot   N/A

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)	C3
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	Pass
7.11	Cables concealed under floors, above ceilings, in walls/partitions, adequately protected against dar (522.6.201; 522.6.202; 522.6.203; 522.6.204):	nage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)	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	ection
	526):	Deve
7.16.1	Connections under no undue strain (526.6)	Pass
	No basic insulation of a conductor visible outside enclosure (526.8)	Pass
	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)	C3
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 condition	ble   DASS   Unacceptable   C1 or C2   Improvement   C2   Further   FI   Not   Not	Not   Not   N/A

12 IN	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 and location of luminaires inspected (separate page) (527.2)	Pass
9.7	Recessed luminaires (downlighters):	
9.7.1	Correct type of lamps fitted (559.3.1)	N/A
9.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2)	N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)	N/A
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
10.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	Pass
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	Pass
10.3	Shaver sockets 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 volt) socket-outlets sited at least 3m 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	
44.4	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 N/A
11.5	PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S) Where the installation includes additional requirements and recommendations relating to Chapter 82, additional items should be added to the checklist below.	
12.1		N/A
12.2		N/A
12.3		N/A
12.4		N/A
12.5		N/A
I nspection Name:	Thomas Garrett Position: Engineer Signature: Date: 1	4/11/2022
Accepta condition	ble   DACC   Unacceptable   Cd == CO   Improvement   CO   Further   FI   Not   Not	Not   N/A licable   N/A

C	DISTRIBUTION	BOAR	D DE	TAI	LS																										
DB r	eference:		D.E	B. 1					Lo	cation:			Intak	e Gr	ound Flo	or			Supp	lied f	rom:					N/	/A				
Distrib	ution circuit OCPD:	BS (EN	l):				N	/A				-	Гуре	: 1	N/A	Rati	ng/S	ettir	ng:	N/A	Α		No	of p	hases	:	3				
SPD D	etails: Types:	T1 N/	/A	T2	N/A	Т	3	N/A	N	/A <b>/</b>					indicator		,			N/A											
	mation of supply pole		_							sequence	2		ıuı ✓	nctio	nality inc	ncator	pres	sent,	)			Zs at	. DD:	(	o.35 <b>c</b>	,		pf at	DD.	0.0	96 kA
				T 0 1							<del>=</del>												. DB.					ргас	<u>.                                    </u>	0.7	UKA
5	CHEDULE OF C	CIRCUI	I DE	IAI	LS A		CUITI			ULIS														ECT D	ECHIT	DETALL	<u> </u>				
/					Cond	luctor d		DETAI	(S)	Overcurr	ant n	rotecti	iva dav	/Ico		RCD				Cont	inuity	(0)	- 1		ation res		.5	Zs	Di	CD	AFDD
							Nun	nber		Overcuit	CITE P	loteeti	TVC GC	/icc		KCD			Ring	final cir	-	R1+ or l	 :R2	modic	THOIT TOS	, starice	_	25			
ber	Circuit descr	ription		бг	ethod	р	and	size	ect til / BS7					(a) s			ting		3			01 1		3	(aM	(MD)	0	<u>a</u>	5	CK)	butto ck)
numk				f wiri	лсе п	er of served	(mm <sup>2</sup> )	(mm <sup>2</sup> )	sconn ted by			€	y (kA)	um ted Zs			opera t (mA	€	<u></u>	ıtral)				oltage	- Live (MΩ)	Earth (ΜΩ)	/ (tick	mr (a) bar	nectic ns)	utton on (ti	l test on (ti
Circuit number				Type of wiring	Reference method	Number of points se	Live (n	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	(line)	r <sub>n</sub> (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - I	Live - I	Polarity (tick)	Maximum measured (	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
1 L1	1st floor lights			В	B	2	1.5	1.5	0.4	60898	В	10	6	4.37			 e 3					0.38	<u>~</u>	500	> 200	> 200	<u>√</u>	0.70			≥ 0
1 L2	2nd floor lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.49		500	> 200	> 200	V	0.82			
1 L3	3rd floor lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.34		500	> 200	> 200	~	0.79			
2 L1	4th floor lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.67		500	> 200	> 200	~	0.90			
2 L2	5th floor lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.78		500	> 200	> 200	~	0.94			
2 L3	6th floor lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.87		500	> 200	> 200	~	1.10			
3 L1	1-6 centre lights and gro	ound		В	В	7	1.5	1.5	0.4	60898	В	10	6	4.37								0.50		500	> 200	> 200	~	0.79			
3 L2	lights intake and bin chu	ute		В	В	3	1.5	1.5	0.4	60898	В	10	6	4.37								0.45		500	> 200	> 200	~	0.76			
3 L3	Outside lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.39		500	> 200	> 200	~	0.60			
4 L1	Half landing lights			В	В	7	1.5	1.5	0.4	60898	В	10	6	4.37								0.65		500	> 200	> 200	~	0.86			
CODE	S FOR Thermoplas	tic	B Thermop	olastic		The	C	astic		D Thermopla	stic		The	E ermopl	lastic		F			G			F					O - Oth	ier		
TYP	E OF insulated/shea RING cables	athed	cables metallic c	s in		(	cables etallic	in	t	cables i metallic tru	n		(	cables			noplas A cable			rmoset NA cab		ins	Mine sulated	eral d cable	:S			N/A	ι		
С	ETAILS OF TES	STINS	TRUI	MEN	ITS																										
Details of test instruments used (serial and/or asset numbers):																															
Multi-functional: 2770025								Insulation resistance: n/a Continuity:											n/a												
Earth electrode resistance: n/a									Е	arth fault	loop	imp	edar	nce:			n	/a				RCI	D:					n/a			
Ī	ESTED BY																														
Nam	ett		F	Positio	on:			Engi	neer	-			Sign	nature	:			1.6		Top .				Date	e:	1	7/11/	′2022	2		

#### SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Intake Ground Floor D.B. 1 N/A Supplied from: DB reference: Location: CIRCUIT DETAILS TEST RESULT DETAILS Conductor details Overcurrent protective device RCD Continuity ( $\Omega$ ) Insulation resistance $Z_S$ RCD AFDD ct time BS7671 Number R1+R2 Ring final circuit Manual test button operation (tick) Reference method and size Rated operating current (mA) - Earth (MΩ) Test button operation (tick) g S Disconnection time (ms) Type of wiring er of served (G) Circuit description b b Zs Polarity (tick) voltage r<sub>n</sub> (neutral) (mm<sup>2</sup>)(mm<sup>2</sup>) Max discon permitted t Maximum permitted 2 3 € Breaking capacity ( r<sub>1</sub> (line) (EN) r<sub>2</sub> (cpc) Rating R1+R2 Circuit Live Test cbc BS $R_2$ Time clock В В 4 L2 1.5 1.5 0.4 В 10 6 4.37 500 > 200 ~ 60898 0.09 ---> 200 0.38 4 L3 Intake S/O В С 1 2.5 2.5 0.4 60898 В 16 6 2.73 0.08 500 > 200 > 200 ~ 0.37 ------------5 L1 Smoke detection system Α С 2.5 2.5 0.4 60898 С 20 6 1.09 0.29 500 > 200 > 200 ~ 0.42 ------------------------------2.5 0.4 С 20 5 L2 AOV power Α С 1 2.5 60898 6 1.09 0.31 ---500 > 200 > 200 ~ 0.57 ---5 L3 Spare ---------------------------------------6 L1 Spare ---------6 L2 Spare ---Binshed Sprinkler System Α С 1 2.5 2.5 0.4 60898 В 16 6 2.73 0.29 500 > 200 > 200 ~ 0.50 В D G O - Other CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosettina Mineral TYPE OF insulated/sheathed cables in cables in cables in cables in N/A /SWA cables /SWA cables insulated cables WIRING cables metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking

[	DISTRIBUTION	BOAR	D DE	TAI	LS																										
DB r	reference:		D	B 2					Loc	cation:			Lift	Mot	or Room	1			Supp	olied f	rom	:				Ori	gin				
Distrib	oution circuit OCPD:	BS (EN	۷):				N	/A				-	Type:	. 1	N/A	Rati	ng/S	ettir	ng:	N/A	А		No	o of p	hases	:	1				
SPD D	Details: Types:	T1 N	/A	T2	N/A	Т	-3	N/A	N	/A <b>/</b>					indicator					N/A	4										
	3,		·								2		Tui N/A	iction	nality ind	licator	pres	sent,	)			Zs at	. DD:	(	D.84 <u>Q</u>	,		pf at	DD.	0.2	9 kA
	mation of supply pol									sequence	<del></del>		IN/A									ZS at	. DB:		J.04 <u>L</u>	2	'	ргас	DB:	0.2	9 KA
5	SCHEDULE OF C	CIRCUI	IT DE	TAI	LS A					ULTS																DETAIL					
/					Cond	Luctor o	CUIT [	DETAI	LS Ø	Overcurr	ant n	rotecti	iva dav	vice		RCD				Con	tinuity	· (O)			ation res	DETAIL	S	Zs	R	,D	AFDD
							Nun	nber		Overcuit	ent pi	Otecti	Ive det	rice		KCD			Ring	final ci		R1+	.R2	msuic	ation res	sistance		25	, K		
ē	Circuit descr	rintion		D D	ethoc		and	size	ect tir BS7					(a)			ting		Tung	iniai ci	Tourt	or	R2	3	(ah	(MD)			_	옷	buttor ck)
Circuit number	Circuit desci	приоп		Type of wiring	Reference method	er of served	ım2)	(mm <sup>2</sup> )	Max disconnect time permitted by BS7671			€	y (kA)	um ed Zs			Rated operating current (mA)	3		r <sub>n</sub> (neutral)				Test voltage (V)	- Live (MΩ)	Earth (MΩ)	Polarity (tick)	(a) bar	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
ircuit				ype o	efere	Number of points se	Live (mm <sup>2</sup> )	cpc (m	ax dis	BS (EN)	Туре	Rating (A)	Breaking capacity (	Maximum permitted	BS (EN)	Type	ated o	Rating	(line)	וeר) ר	r2 (cpc)	R1+R2	7	est vo	Live - I	Live - E	olarity	Maximum measured (	isconi me (r	est bu perati	anua
1	M/R socket			B	B	1	2.5	2.5	0.4	60898	<u>⊢</u>	16	<u>س</u> ۲	2.73	<u></u>		<u>~~~</u>		Ξ			0.10	R2	500	> 200	> 200	<b>√</b>	0.31			≥ ō
2	Shaft socket			В	В	1	2.5	2.5	0.4	60898	В	16	6	2.73								LIM		LIM	LIM	LIM	LIM	LIM			
3	TV aerial			В	В	1	2.5	2.5	0.4	60898	В	16	6	2.73								0.26		500	> 200	> 200	~	0.50			
4	Car lights			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.30		500		> 200	~	0.48			
5	Heater			В	В	2	1.5	1.5	0.4	60898	В	10	6	4.37								0.29		500	> 200	> 200	~	0.50			
6	EMphone			В	В	1	1.0	1.0	0.4	60898	В	10	6	4.37								0.39		500	> 200	> 200	~	0.62			
7	EMU			В	В	1	1.5	1.5	0.4	60898	В	10	6	4.37								0.42		500	> 200	> 200	~	0.66			
8	Shaft lights			В	В	5	2.5	2.5	0.4	60898	В	6	6	7.28								LIM		LIM	LIM	LIM	LIM	LIM			
9	M/R Lights			В	В	1	2.5	2.5	0.4	60898	В	6	6	7.28								0.18		500	> 200	> 200	~	0.38			
10	SPARE																														
																			'												
CODE	A Thormonias	tic	B	nlactic		The	C	actic		D Thermopla	etic		The	E ermopla	actic		F			G			F	1			(	O - Oth	ier		
TYP	CODES FOR Thermoplastic Thermoplastic Thermoplastic TYPE OF insulated/sheathed cables in cables WIRING cables metallic conduit nonmetallic							in	t	cables i metallic trui	n		(	ables			noplas A cable			rmoset WA cab		ins	Mine sulate	eral d cable	es			N/A			
DETAILS OF TEST INSTRUMENTS														- 1																	
	ails of test instrumen					set nı	umbe	rs):																							
Multi-functional: 2770025									Insulation resistance: n/a Continuity:								n/a														
Earth electrode resistance: n/a								Е	arth fault	loop	imp	edar	ice:			n	ı/a				RCI	<b>)</b> :					n/a				
TESTED BY																															
Nam	ne: Thom	ett		F	Positio	on:			Engi	neer	-			Sign	nature	:			7.6		THE STATE OF THE S				Dat	e:	14/11/2022			<u>)</u>	

S	CHED	ULE OF CIRC	UIT DE	TAI	LS .	AND	) TE	ST	RES	ULTS																					
DB r	eference	<b>e</b> :	DI	B 2					Loc	cation:			Lift	Moto	or Room	า			Supp	olied	from:					Oriç	gin				
						CIR	CUIT	DETAI	LS														Т	TEST R	ESULT	DETAIL	S				
					Cond	ductor c			(s)	Overcurr	ent pr	rotecti	ve dev	/ice		RCD				Con	tinuity	(Ω)		Insul	ation res	istance		Zs	RC	:D	AFDD
					po		Nur and	mber size	time 37671										Ring	final c	ircuit	R1+ or	R2			(a)					ton
Circuit number		Circuit description		Type of wiring	Reference method	Number of points served	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	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 <sub>n</sub> (neutral)	r2 (cpc)	R1+R2	R2	Test voltage (V)	Live - Live (ΜΩ)	Live - Earth (M $\Omega$ )	Polarity (tick)	Maximum measured (Ω)	Disconnection time (ms)	Test button operation (tick)	Manual test button operation (tick)
11	Spare																														
12	SPARE																														
13	SPARE																														
14	SPARE																														
		A	В				С			D				E			F			G			F	1			(	) - Oth	ner		
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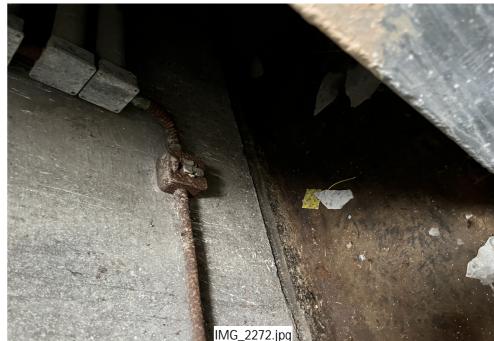


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# ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

(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.