

# ELECTRICAL INSTALLATION CONDITION

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations

Papart Pafaranca: WCC-1295

					Report Ref	erence	<b>)</b> :	V	/CC-129	5	
1 DETAI	LS OF T	HE PERSON	I ORDERI N	G THE RE	PORT						
Client:	London B	orough Of Bar	king And Dag	genham Cou	ncil						
Address:	Civic Cent	tre , Rainham I	Road North, I	Dagenham ,	RM10 7BN						
	producing t	•	G THIS REF	PORT							
Date(s) on w	hich inspect	tion and testing	was carried ou	ut:	21/06/2022						
3 DETAI	LS OF T	HE INSTALI	LATION WI	HICHIST	HE SUBJEC	T OF	THISE	REPORT			
Installation	Address:	Parkside Hous	se, Bell Farm	Avenue , D	agenham , RM	10 7A	U				
Description o	f premises:	Domestic	N/A Comm	nercial 🗸	Industrial	N/A	Other:		N/A		
Estimated ag	e of wiring :	system: 1	0 years	Evider alterat	ice of additions/	Υ	es if yes	s, estimated	age:	5	years
Installation re	ecords avail	lable? (Regulation	on 651.1)	N/A	.10115.	Date	of last ins	spection:	26/0	)4/20	118
Extent of the	ne electrical	IMITATION installation covermmunal areas.	ered by this re		AND TESTI	NG					
Agreed limita N/A	itions includ	ling the reasons	(see Regulatio	on 653.2):							
Agreed with:		Client.									
	imitations in	ncluding the rea	sons:								
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 2020.

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

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

<b>/</b>	The following	observations	and recommendations	are made

Item No	Observations	Classification Code
1	RG D.B.1 Circuits 5 L2 + 6 L1 1.5mm on 16a MCB recommend downgrading.	C3
2	Lift motor room lighting D.B is showing signs of age and in poor condition. Circuits 4 + 5 are BS 88 Fuse carriers containing fuse wire.	C2
3	5.6 Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5) is in a potentially dangerous condition. Urgent remedial action is required.	C2
4	5.7 Enclosure not damaged/deteriorated so as to impair safety (651.2) is in a potentially dangerous condition. Urgent remedial action is required.	C2
5	5.16 Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) is recommended for improvement.	C3
6	5.21 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) is in a potentially dangerous condition. Urgent remedial action is required.	C2
7	RCD not working on lift motor room sockets. Recommend upgrading.	C3
	e following codes, as appropriate, has been allocated to each of the observations made above to indicate to le for the installation the degree of urgency for remedial action.	o the person(s

One of the following codes, as appropriate, has been allo responsible for the installation the degree of urgency for		de above to indicate to	the person(s)
C1 Danger Present Risk of injury. Immediate remedial action required  C2 Potentially dar Urgent remedial required		FI Further inv required w	estigation ithout delay
Immediate remedial action required for items:	N/A		
Urgent remedial action required for items:	2, 3, 4, 6		
Improvement recommended for items:	1, 5, 7		
Further investigation required for items:	N/A		
This form is based on the model shown in Appendix 6 of E	BS 7671: 2018.	Ref: WCC-129	Page: 2 of 23

### GENERAL CONDITION OF THE INSTALLATION General condition of the installation (in terms of electrical safety): General condition okay, DBs okay lift motor room lighting D.B needs upgrading, wiring okay, earthing okay, accouris okay. All C2s now rectified, left on cert for future reference. O DECLARATION /I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our 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 in section 4 of this report. Trading Title: Oakray Limited Address: Registration Number Glasgow Stud 014509 (if applicable): Burnt Farm Ride **Enfield** 020 8370 4500 Telephone Number: EN2 9DY Postcode: For the INSPECTION, TESTING AND ASSESSMENT of the report: Allean Name. Reece Cheasman Position: Electrician Signature: Date: 21/06/2022 Report reviewed and authorised for issue by: **Qualified Supervisor** Date: 21/06/2022 Simon Pye S. PyE Name: Position: Signature: 10 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Earthing Number and Type of Live Conductors Nature of Supply Parameters Supply Protective Device Arrangements N/A ac: dc: Nominal U: 400 V Uo: 230 V BS(EN): Unidentifiable TN-S 1 1-phase 1-phase voltage(s): N/A N/A 2 pole: N/A (2 wire): 2-phase (3 wire): TN-C-S N/A 50 Hz Type: LIM Nominal frequency, f: N/A 3 pole: N/A (3 wire): 3-phase Prospective fault 3-phase 7.8 kA Rated current: IIM A TNC N/A N/A Other: N/A current, lpf: (3 wire): (4 wire): Short-circuit External earth fault N/A $0.03 \,\Omega$ capacity: Other: TT N/A LIM kA loop impedance, Ze: IT N/A Confirmation of supply polarity: Number of supplies: 1 1 PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT Details of Installation Earth Electrode (where applicable) Means of Earthing

Distributor facility: Installatio earth elec	N/A	Type: Resiston Ear	tance	1		N/A Ω		Location: Method of measuremen	t:		N/A N/A							
Maximum	Demand (	Load):	LIN	 1 N/A	F	rotec	tive mea	asure	e(s) against ele	ectric shock:								
Main Switch / Switch-Fuse / Circuit-Breaker / RCD Supply If RCD main switch:																		
Type BS(EN):	60947-3	Isolator	Cur	rent r	ating:		125	Α	conductors	Copper		ted res	sidual g current (l∆r	n):	/A mA			
Number of poles: 3				e/dev settind	ice rat a:	ting N/A A			material: Supply	25 2	Rat	_	ne delay:		/A ms			
Voltage rating							400	V	conductors csa:	25 mm <sup>2</sup>	ivie	Measured operating $N/A$ time (at $I\Delta n$ ):						
Earthing a	nd Protect	ive Bondir	ng Cond	ductor	s					of extraneou								
Earthing c							nection/			installation	V	/	To gas instal	lation	<b>'</b>			
Conductor material:	Cop	per	csa:	25	$mm^2$	cont verif	inuity īed:	~	pipes: To oil ins	tallation	N/	′Λ	pipes: To lightning		N/A			
Main protective bonding conductors						Conr	nection/		pipes:		11/		protection: To other serv	vice(s):	IV/ A			
Conductor material: Copper csa: 35 mm						continuity verified:			To structural steel:			N/A N/A						
vormo.												Ref: WCC-129 Page: 3 of						

Item	Description	Comment	Outcome						
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECT	I ON ONLY)							
1.1	Service cable	N/A	Pass						
1.2	Service head	N/A	Pass						
1.3	Earthing arrangements	N/A	Pass						
1.4	Meter tails	N/A	Pass						
1.5	Metering equipment	N/A	Pass						
1.6	Isolator (where present)	N/A	Pass						
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWI	TCHED ALTERNATIVE SOURCES							
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A	N/A						
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	N/A						
3.0	AUTOMATIC DISCONNECTION OF SUPPLY								
3.1	Main earthing/bonding arrangements (411.3; Chap 54):	1							
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)	N/A	Pass						
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	N/A	Pass						
3.1.3	Adequacy of earthing conductor connections (542.3.2)	N/A	Pass						
3.1.4	Accessibility of earthing conductor connections (543.3.2)	N/A	Pass						
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)	N/A	Pass						
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	Pass						
3.1.7	Accessibility of all protective bonding connections (543.3.2)	N/A	Pass						
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)	N/A	Pass						
3.2	FELV - requirements satisfied (411.7; 411.7.1)	N/A	Pass						
4.0	OTHER METHODS OF PROTECTION (where any of the methods list provided on separate sheets)	ed below are employed details sho	ould be						
4.1	Non-conducting location (418.1)	N/A	Pass						
4.2	Earth-free local equipotential bonding (418.2)	N/A	Pass						
4.3	Electrical separation (Section 413; 418.3)	N/A	Pass						
4.4	Double insulation (Section 412)	N/A	Pass						
4.5	Reinforced insulation (Section 412)	N/A	Pass						
5.0	DI STRI BUTI ON EQUI PMENT								
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	N/A	Pass						
5.2	Security of fixing (134.1.1)	N/A	Pass						
5.3	Condition of insulation of live parts (416.1)	N/A	Pass						
5.4	Adequacy/security of barriers (416.2)	N/A	Pass						
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	Pass						
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	Lift motor room lighting D.B has large hole in the side.	C2						
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	Lift motor room lighting D.B is showing signs of age and in poor condition. Recommend upgrading.	C2						
5.8	Presence and effectiveness of obstacles (417.2)	N/A	Pass						
5.9 Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)									
OUTCON Accepta conditio	MES Unacceptable C1 or C2 Improvement C2 Further FI	N/// Limitation LIM	Not   N.						

13 IN	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
5.10	Operation of main switch(es) (functional check) (643.10)	N/A	Pass
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	N/A	Pass
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	N/A	N/A
5.13	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)	N/A	N/A
5.14	RCD(s) provided for additional protection/requirements, where required – includes RCBOs (411.3.3; 415.1)	N/A	N/A
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	N/A	N/A
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	Some diagrams and charts missing.	C3
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	N/A	Pass
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A	Pass
5.19	Presence of next inspection recommendation label (514.12.1)	N/A	Pass
5.20	Presence of other required labelling (please specify) (Section 514)	N/A	Pass
5.21	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)	Some fuses contain fuse wire.	C2
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	N/A	Pass
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	N/A	Pass
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	N/A	Pass
6.0	DISTRIBUTION CIRCUITS		
6.1	Identification of conductors (514.3.1)	N/A	Pass
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	N/A	LIM
6.3	Condition of insulation of live parts (416.1)	N/A	Pass
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	Pass
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	N/A	Pass
6.6	Cables correctly terminated in enclosures (Section 526)	N/A	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	N/A	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	N/A	Pass
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	N/A	Pass
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	N/A	Pass
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	N/A	Pass
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	N/A	Pass
OUTCON Acceptal condition	ble DASS Unacceptable ClarC3 Improvement Further	verified N/V Limitation LIM appl	lot N/A icable N/A

6.14 W 6.15 C p 6.15.1 Irr (5 6.16 Pr th 6.17 B 6.18 C 6.19 C 6.20 S 6.21 S	Description  Table installation methods/practices with regard to the type and nature f installation and external influences (Section 522)  Where exposed to direct sunlight, cable of a suitable type (522.11.1)  Tables concealed under floors, above ceilings, in walls/partitions partitions containing metal parts: Installed in prescribed zones (see Section 4. Extent and limitations)  522.6.202) or Incorporating earthed armour or sheath, or run within earthed wiring yestem, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204)  Trovision of fire barriers, sealing arrangements and protection against mermal effects (Section 527)  Tables segregated/separated from Band I cables (528.1)  Tables segregated/separated from non-electrical services (528.3)  Tondition of circuit accessories (651.2)  Tables witching or protective devices in line conductors only 132.14.1; 530.3.3)	N/A  N/A  N/A  less than 50mm from a surface,  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	Pass Pass and in LIM LIM Pass Pass Pass Pass Pass Pass Pass
6.14 W 6.15 C p 6.15.1 Irr (5 6.16 Pr th 6.17 B 6.18 C 6.19 C 6.20 S 6.21 S	where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cable of a suitable type (522.11.1)  where exposed to direct sunlight, cables concealed under floors, above ceillings, in walls/partitions (see Section 4. Extent and limitations)  for corporating earthed armour or sheath, or run within earthed wiring yestem, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204)  rovision of fire barriers, sealing arrangements and protection against hermal effects (Section 527)  and II cables segregated/separated from Band I cables (528.1)  where exposed to direct sunlight, cable as the partitions of the partitions o	N/A  less than 50mm from a surface,  N/A  N/A  N/A  N/A  N/A  N/A  N/A	Pass and in  LIM  LIM  Pass  Pass  Pass  Pass  Pass
6.15 C p  .15.1 Ir (5  .15.2 Ir sy sc  6.16 Pi th  6.17 B  6.18 C  6.19 C  6.20 S  6.21 S	cables concealed under floors, above ceilings, in walls/partitions partitions containing metal parts: Installed in prescribed zones (see Section 4. Extent and limitations) 522.6.202) or Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporation of fire barriers, sealing arrangements and protection against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Incorporation of fire b	Iess than 50mm from a surface,  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	LIM LIM Pass Pass Pass Pass Pass
6.16 Pith 6.17 B 6.18 C 6.20 S 6.21 S	partitions containing metal parts: Installed in prescribed zones (see Section 4. Extent and limitations) 522.6.202) or Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) Irovision of fire barriers, sealing arrangements and protection against hermal effects (Section 527) Isrand II cables segregated/separated from Band I cables (528.1) Isrables segregated/separated from non-electrical services (528.3) Isrables of circuit accessories (651.2) Isrables segregated/separated influences (512.2) Isrables pole switching or protective devices in line conductors only	N/A N/A N/A N/A N/A N/A N/A	LIM LIM Pass Pass Pass Pass
6.16 Profit 6.17 B 6.18 C 6.19 C 6.20 S 6.21 S	ncorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204) rovision of fire barriers, sealing arrangements and protection against hermal effects (Section 527) and II cables segregated/separated from Band I cables (528.1) cables segregated/separated from non-electrical services (528.3) condition of circuit accessories (651.2) suitability of circuit accessories for external influences (512.2) single-pole switching or protective devices in line conductors only	N/A N/A N/A N/A N/A	LIM Pass Pass Pass Pass
6.16 PH th 6.17 B 6.18 C 6.19 C 6.20 S 6.21 S	system, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.204)  rovision of fire barriers, sealing arrangements and protection against hermal effects (Section 527)  and II cables segregated/separated from Band I cables (528.1)  cables segregated/separated from non-electrical services (528.3)  condition of circuit accessories (651.2)  cuitability of circuit accessories for external influences (512.2)  cingle-pole switching or protective devices in line conductors only	N/A N/A N/A N/A	Pass Pass Pass Pass
th 6.17 B 6.18 C 6.19 C 6.20 S 6.21 S	hermal effects (Section 527)  and II cables segregated/separated from Band I cables (528.1)  cables segregated/separated from non-electrical services (528.3)  condition of circuit accessories (651.2)  cuitability of circuit accessories for external influences (512.2)  cingle-pole switching or protective devices in line conductors only	N/A N/A N/A	Pass Pass Pass
6.18 C 6.19 C 6.20 S 6.21 S	cables segregated/separated from non-electrical services (528.3)  condition of circuit accessories (651.2)  cuitability of circuit accessories for external influences (512.2)  cingle-pole switching or protective devices in line conductors only	N/A N/A	Pass Pass
6.19 C 6.20 S 6.21 S	Condition of circuit accessories (651.2) Suitability of circuit accessories for external influences (512.2) Single-pole switching or protective devices in line conductors only	N/A	Pass
6.20 S 6.21 S	suitability of circuit accessories for external influences (512.2) single-pole switching or protective devices in line conductors only		
6.21 S	single-pole switching or protective devices in line conductors only	N/A	Dace
			rd55
\		N/A	Pass
aı	dequacy of connections, including cpcs, within accessories and to fixed nd stationary equipment – identify/record numbers and locations of tems inspected (Section 526)	N/A	Pass
	resence, operation and correct location of appropriate devices for solation and switching (Chapter 46; Section 537)	N/A	Pass
6.24 G	Seneral condition of wiring systems (651.2)	N/A	Pass
6.25 T	emperature rating of cable insulation (522.1.1; Table 52.1)	N/A	Pass
7.0 F	INAL CIRCUITS		
7.1 Ic	dentification of conductors (514.3.1)	N/A	Pass
7.2 C	ables correctly supported throughout their run (521.10.202; 522.8.5)	N/A	Pass
7.3 C	condition of insulation of live parts (416.1)	N/A	Pass
	lon-sheathed cables protected by enclosure in conduit, ducting or runking (521.10.1)	N/A	Pass
	cuitability of containment systems for continued use (including flexible onduit) (Section 522)	N/A	Pass
	dequacy of cables for current-carrying capacity with regard for the type nd nature of installation (Section 523)	N/A	Pass
	dequacy of protective devices: type and rated current for fault rotection (411.3)	N/A	Pass
	resence and adequacy of circuit protective conductors (411.3.1.1; 43.1)	N/A	Pass
	co-ordination between conductors and overload protective devices 433.1; 533.2.1)	N/A	Pass
	Viring system(s) appropriate for the type and nature of the installation nd external influences (Section 522)	N/A	Pass
	cables concealed under floors, above ceilings, in walls/partitions, 522.6.201; 522.6.202; 522.6.203; 522.6.204):	adequately protected against da	image
	nstalled in prescribed zones (see Section 4. Extent and limitations) 522.6.202)	N/A	Pass
S)	ncorporating earthed armour or sheath, or run within earthed wiring ystem, or otherwise protected against mechanical damage by nails, crews and the like (see Section 4. Extent and limitations) (522.6.201; 22.6.204)	N/A	Pass
acceptable condition	Unacceptable C1 or C2 Improvement C3 Further	Not verified N/V Limitation LIM ap	Not   N/

15 IN	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
7.12	Provision of additional protection by 30mA RCD:		
7.12.1	For all socket-outlets of rating 32A or less unless exempt (411.3.3) *	N/A	Pass
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *	N/A	Pass
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *	N/A	LIM
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) *	N/A	LIM
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *	N/A	N/A
	$^{\star}$ Note: Older installations designed prior to BS 7671:2018 may not have protection.	been provided with RCDs for additiona	al
7.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	N/A
7.14	Band II cables segregated/separated from Band I cables (528.1)	N/A	N/A
7.15	Cables segregated/separated from non-electrical services (528.3)	N/A	N/A
7.16	Termination of cables at enclosures – identify/record numbers and 526):	d locations of items inspected (Sec	ction
7.16.1	Connections under no undue strain (526.6)	N/A	Pass
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)	N/A	Pass
7.16.3	Connections of live conductors adequately enclosed (526.5)	N/A	Pass
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	N/A	Pass
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	N/A	Pass
7.18	Suitability of accessories for external influences (512.2)	N/A	Pass
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	N/A	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)	N/A	Pass
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)	N/A	Pass
8.1.3	Capable of being secured in the OFF position (462.3)	N/A	Pass
8.1.4	Correct operation verified (643.10)	N/A	Pass
8.1.5	Clearly identified by position and/or durable marking (537.2.6)	N/A	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)	N/A	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)	N/A	Pass
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)	N/A	Pass
8.2.3	Capable of being secured in the OFF position (462.3)	N/A	Pass
8.2.4	Correct operation verified (643.10)	N/A	Pass
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	N/A	Pass
OUTCOM Acceptal conditio	ble   DASS   Unacceptable   C1 or C2   Improvement   C2   Further		lot   icable   N/A

Ref: WCC-129

16 IN	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	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)	N/A	Pass
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	N/A	Pass
8.3.3	Correct operation verified (643.10)	N/A	Pass
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	N/A	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)	N/A	Pass
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	N/A	Pass
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
9.1	Condition of equipment in terms of IP rating etc (416.2)	N/A	Pass
9.2	Equipment does not constitute a fire hazard (Section 421)	N/A	Pass
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	N/A	Pass
9.4	Suitability for the environment and external influences (512.2)	N/A	Pass
9.5	Security of fixing (134.1.1)	N/A	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)	N/A	N/A
9.7	Recessed luminaires (downlighters):		
9.7.1	Correct type of lamps fitted (559.3.1)	N/A	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	N/A
9.7.3	No signs of overheating to surrounding building fabric (559.4.1)	N/A	N/A
9.7.4	No signs of overheating to conductors/terminations (526.1)	N/A	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)	N/A	N/A
10.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	N/A
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	N/A
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A	N/A
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)	N/A	N/A
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	N/A
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A	N/A
10.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	N/A
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separate	rately the results of particular inspect	ions)
11.1	N/A	N/A	N/A
11.2	N/A	N/A	N/A
11.3	N/A	N/A	N/A
OUTCOM Acceptal condition	ble   DAGC   Unacceptable   C1 = C2   Improvement   C2   Further   FI		Not N/A

Ref: WCC-129

Circuit designation	17 S	CHEDULE OF CIRC	UIT DETA	ILS /	ANE	) TE	ST I	RES	ULT	S																		
Part	Distr	ibution board designation:		RG I	D.B.	1 Laı	ndlo	ords	ligh	ting			Loc	catio	n:		Main	Elect	rical I	ntake	Gnd Fl	oor						
Part					-		condu	cuit uctors: sa	: time S7671				/e	RCD	S7671	(	Circuit imp	oedance							sured	RC	D	AFDD
The content	cuit number d phase	Circuit designatio	on	be of wiring	erence Method	mber of nts served	Live	срс	Max disconnect	BS(EN)	Type No	Rating	Sapacity	Operating current, I∆n	Z <sub>S</sub>	(measi	ured end t	to end)	(one co	lumn to pleted)	- Live	1	Fest voltage	olarity	Maximum meas earth fault loop mpedance Zs	Disconnection	Test button operation	Test button operation
1	Cir			TyT	Ref	Nul	mm <sup>2</sup>																				<b>'</b>	<b>'</b>
1.1   Mains intake room	1 L1	Chute rooms 1 - 7		В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.09	N/A	> 200	> 200	500	~	1.12	N/A	N/A	N/A
2   1	1 L2	Dry riser G - 16		В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
2   12   Incinerator rooms 1 - 7	1 L3	Mains intake room		В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
2 L3 Meter rooms 1 - 7	2 L1	Bin room		В	В	5	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.35	N/A	> 200	> 200	500	~	0.38	N/A	N/A	N/A
3   11   North stairs G - 16	2 L2	Incinerator rooms 1 - 7		В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
South stairs G - 7	2 L3	Meter rooms 1 - 7		В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
3 L3 East lift lobby G - 7	3 L1	North stairs G - 16		В	В	16	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	2.14	N/A	> 200	> 200	500	~	2.17	N/A	N/A	N/A
A L1 N/W Outside lights  B B 2 1.5 1.5 0.4 60898 C 10 10 N/A 2.19 N/A N/A N/A 0.38 N/A > 200 > 200 500 V 0.41 N/A A L2 N/E Outside lights  B B 2 1.5 1.5 0.4 60898 C 10 10 N/A 2.19 N/A N/A N/A N/A N/A N/A 0.34 N/A > 200 > 200 500 V 0.41 N/A A L2 N/E Outside lights  CODES FOR Thermoplastic cables in metallic conduit metallic conduit metallic conduit metallic conduit metallic conduit nonmetallic conduit metallic conduit nonmetallic conduit nonmetallic conduit nonmetallic conduit nonmetallic conduit nonmetallic trunking nonmetallic	3 L2	South stairs G - 7		В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.89	N/A	> 200	> 200	500	~	1.92	N/A	N/A	N/A
A L2 N/E Outside lights  B B 2 1.5 1.5 0.4 60898 C 10 10 N/A 2.19 N/A N/A N/A N/A 0.34 N/A > 200 > 200 500 V 0.37 N/A  CODES FOR Thermoplastic cables in metallic conduit metallic conduit metallic conduit metallic conduit metallic conduit metallic cronduit metallic trunking metallic trunking metallic trunking nonmetallic tr	3 L3	East lift lobby G - 7		В	В	7	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.05	N/A	> 200	> 200	500	~	1.08	N/A	N/A	N/A
CODES FOR Thermoplastic cables in metallic conduit metallic conduit metallic trunking nonmetallic trunking nonmeta	4 L1	N/W Outside lights		В	В	2	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.38	N/A	> 200	> 200	500	~	0.41	N/A	N/A	N/A
Thermoplastic cables in metallic conduit Thermoplastic cables in metallic conduit nonmetallic trunking Thermoplastic cables in metallic conduit nonmetallic trunking Thermoplastic cables in metallic trunking Thermoplastic about the cables in	4 L2	N/E Outside lights		В	В	2	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.34	N/A	> 200	> 200	500	~	0.37	N/A	N/A	N/A
APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION Supply to this distribution board is from: Main glasgow switch No of phases: 3  Overcurrent protective device for the distribution circuit:  RCD BS(EN): 1361 Fuse HBC - Type 2 Rating: 63 A Nominal Voltage: N/A Rating: N/A mA Disconnection time at In:  Disconnection time at In: Disconnection time at In: N/A ms Disconnect	TYP	S FOR Thermoplastic E OF insulated/sheathed	Thermoplastic cables in			ermopla cables i	in	t	C	rmoplastic ables in	r	С	rmopl ables	in					nosettin	_	Minera							
For the distribution circuit:  RCD  BS(EN):  N/A  No of poles:  N/A  No of poles:  N/A  No of poles:  N/A  No of poles:  N/A  N/A  No of poles:  N/A  No of poles:  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	APP Supply	LIES WHEN THE BOARD	IS NOT CO	NNEC						F THE I					3	N	lominal			Con	firmatio	n of sup	ply p	olarit	ːy:			<b>~</b>
Details of Test Instruments used (state serial and/or asset numbers):  Multi-functional: B040826 Insulation resistance: N/A Continuity: N/A  Earth electrode resistance: N/A RCD: N/A		' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	BS(EN):	1	361	Fuse	HB(	C - T	ype :	2	Rat	ting:			63	Λ		40	0 V				)3 Ω	٠,٢				.8 k
Details of Test Instruments used (state serial and/or asset numbers):  Multi-functional: B040826 Insulation resistance: N/A Continuity: N/A  Earth electrode resistance: N/A RCD: N/A	RCD		BS(EN):				N/A				No	of po	oles:		N/A	R	ating:	N/A	mA			on N/	A ms	Di <u>tir</u>	sconn ne at	ection 5ln:	¹ N/	A ms
Earth electrode resistance: N/A Earth fault loop impedance: N/A RCD: N/A					l/or a	ısset r	numk	oers)	:																			
	Multi-functional: B040826 Insulation									tion resis	tance	е:					N/A			C	ontinuity	<b>/</b> :			N/A			
TESTED BY	Earth e	electrode resistance:		N/A				Ε	arth	fault loop	imp	edan	ce:		N/A				RCD:						N/A			
Name: Reece Cheasman Position: Electrician Signature: Man Date: 21/06			sman	F	Positi	on:			F	Electricia	n				Signa	ture:			A.M.	i,			Da	ite:	2	1/06,	/202	2

	CHEDULE OF CIRCUIT DETAI ibution board designation:	RG I									Loc	catio	ղ։		Main	Elect	rical II	ntake	Gnd Fl	oor						
			_		Circ	cuit ctors:	time S7671	Overcurr	ent pr		/e	RCD	BS7671	(	Circuit imp	edance	s (Ohms	)		sulation sistance			sured	RC	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect time or permitted by BS7671	BS(EN)	Type No	> Rating	₹ Capacity	3 Operating ➤ current, I∆n	Β Maximum Z <sub>S</sub> permitted by B		inal circuit ured end t rn (Neutral)		All cir (one col be com	lumn to	$\Omega$ Live - Live	$oldsymbol{eta}$ Live - Earth	< Test voltage	♣ Polarity	Maximum measured S earth fault loop impedance Zs	B Disconnection of time	Test button operation	Test button operation
4 L3	East flats timed 1 - 7	В	В	7	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.30	N/A	> 200	> 200	500	~	1.33	N/A	N/A	N/A
5 L1	Meter room socket G - 7	В	В	7	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.23	N/A	> 200	> 200	500	~	0.26	N/A	N/A	N/A
5 L2	Amplifier supply	В	В	1	1.5	1.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.19	N/A	> 200	> 200	500	~	0.22	N/A	N/A	N/A
5 L3	Meter room socket 8 - 16	В	В	No	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
6 L1	Main door supply	В	В	1	1.5	1.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.11	N/A	> 200	> 200	500	~	0.14	N/A	N/A	N/A
6 L2	Tubular heaters pump room	В	В	2	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.33	N/A	> 200	> 200	500	~	0.36	N/A	N/A	N/A
6 L3	Bin room socket	В	В	1	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.21	N/A	> 200	> 200	500	~	0.24	N/A	N/A	N/A
7 TP	Sub mains RG D.B.2	D	В	No	25	16	5	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
8 L1	West flats timed 1 - 7	В	В	7	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.29	N/A	> 200	> 200	500	~	1.32	N/A	N/A	N/A
8 L2	Rear entrance	В	В	4	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.18	N/A	> 200	> 200	500	~	0.21	N/A	N/A	N/A
8 L3	West lift lobby 1 - 7	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.00	N/A	> 200	> 200	500	~	1.03	N/A	N/A	N/A
9 L1	East flats 24ht 1 - 7	В	В	7	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.31	N/A	> 200	> 200	500	~	1.34	N/A	N/A	N/A
9 L2	West flats 24hr 1 - 7	В	В	7	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.20	N/A	> 200	> 200	500	~	1.23	N/A	N/A	N/A
9 L3	Front entrance canopy	В	В	2	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.41	N/A	> 200	> 200	500	~	0.44	N/A	N/A	N/A
10 L1	Caretakers room	В	В	1	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.28	N/A	> 200	> 200	500	~	0.31	N/A	N/A	N/A
10 L2	Photo cell	В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
10 L3	Outside store south	В	В	No	1.5	1.5	0.4	60898	В	10	10	N/A	4.37	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
11 L1	Door Entry	В	В	1	1.5	1.5	0.4	60898	В	10	10	N/A	4.37	N/A	N/A	N/A	0.19	N/A	> 200	> 200	500	~	0.22	N/A	N/A	N/A
11 L2	Grd floor fire panel	0	С	1	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	0.27	N/A	> 200	> 200	500	~	0.30	N/A	N/A	N/A
11 L3	Spare												N/A													
12 TP	Spare												N/A													
CODF	A B S FOR Thermoplastic Thermoplastic		The	C ermopla	astic		Ther	D rmoplastic		The	E mopl	astic		F G				Н			O - Other					
TYP	TYPE OF insulated/sheathed cables in				n conduit		cables in metallic trunking				ables	in		Thermor		9			Mineral insulated cables			FP				

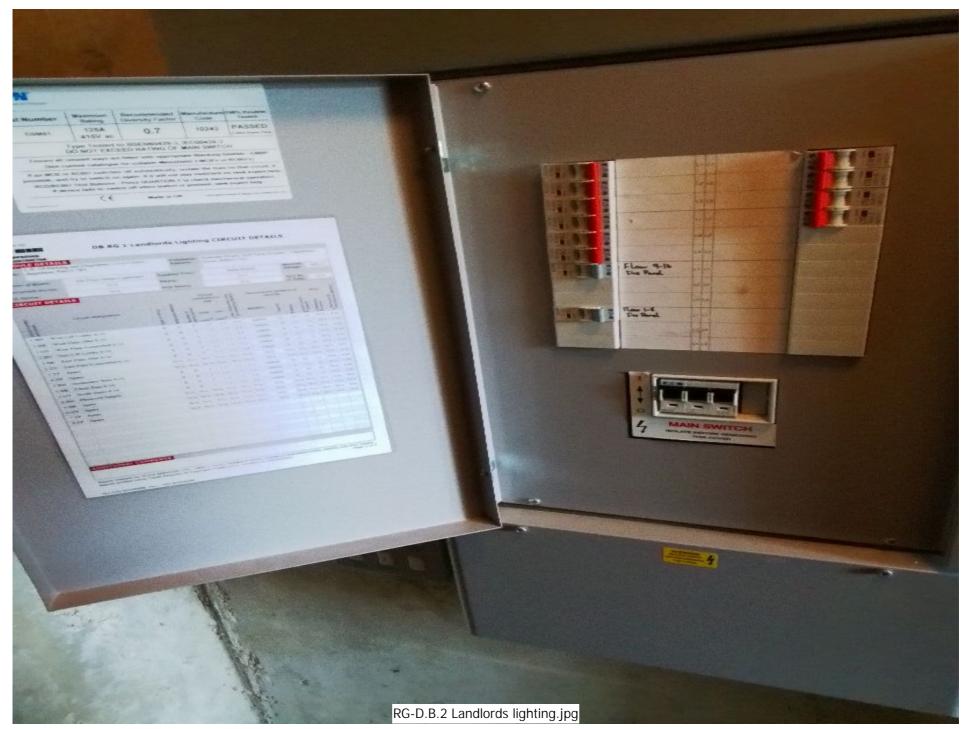


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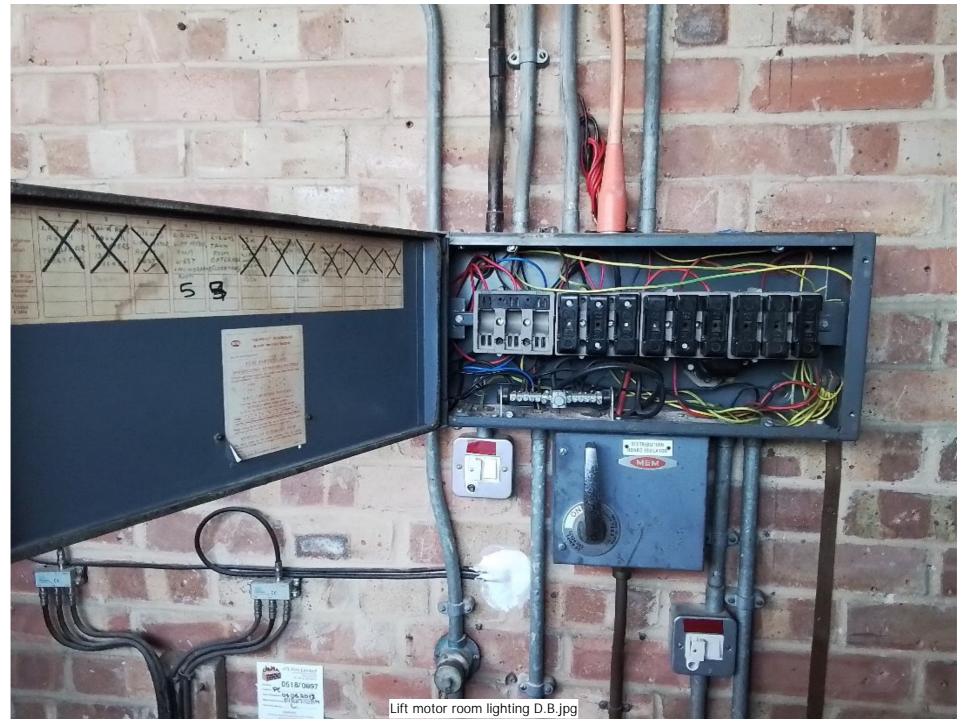
S	CHEDULE OF CIRCUIT DET.	AILS	ANE	) TE	ST	RES	ULT	S																		
Distr	ibution board designation:	RG	D.B.	2 La	ndlo	ords	ligh	nting			Lo	catio	n:		Main	Elec	trical I	Intake	e 8th Flo	oor						
			-		condu	cuit ictors: sa	t time \$37671	Overcu	rrent pr devices		/e	RCD	BS7671		Circuit im	oedance				nsulation esistance			measured t loop e Zs	R	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm <sup>2</sup>		Max disconnec permitted by E	BS(EN)	Type No	➤ Rating	∑ Capacity	g Operating ▼ current, I∆n	<ul> <li>Maximum Z<sub>S</sub></li> <li>permitted by B</li> </ul>		final circui sured end rn (Neutral)		(one co	rcuits Ilumn to ppleted) R <sub>2</sub>		Ω Live - Earth	< Test voltage	✔ Polarity	Maximum mea Β earth fault loop impedance Zs	3 Disconnection stime	Test button operation	Test button operation
1 L1	West lift lobby 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.16	N/A	> 200	> 200	500	~	1.23	N/A	N/A	N/A
1 L2	West flats 24hr 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.57	N/A	> 200	> 200	500	~	1.64	N/A	N/A	N/A
1 L3	West flats controlled 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.32	N/A	> 200	> 200	500	~	1.39	N/A	N/A	N/A
2 L1	East lift lobby 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.22	N/A	> 200	> 200	500	~	1.29	N/A	N/A	N/A
2 L2	East flats 24hr 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.39	N/A	> 200	> 200	500	~	1.46	N/A	N/A	N/A
2 L3	East flats controlled 8 - 16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.35	N/A	> 200	> 200	500	~	1.42	N/A	N/A	N/A
3 L1	Fire panel 9 - 16	8	1.5	1.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.48	N/A	> 200	> 200	500	~	0.55	N/A	N/A	N/A		
3 L2	Spare										N/A															
3 L3	Spare										N/A															
4 L1	Fire panel 1 - 8	0	С	8	1.5	1.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.41	N/A	> 200	> 200	500	~	0.48	N/A	N/A	N/A
4 L2	Spare												N/A													
	A B			С				D			E				F		G		Н				0 - 0	ther		
CODE TYP WIR	S FOR Thermoplastic Thermoplas E OF insulated/sheathed cables in			ermopl cables etallic	in	t	C	rmoplastic ables in Ilic trunking	n		ables		ng		oplastic cables		mosettin 'A cables	~	Minera insulated o				FI	)		
APP	SOARD CHARACTERISTICS LIES WHEN THE BOARD IS NOT Control to this distribution board is from:	ONNEC		TO T				F THE I		ALLA of ph			3					Con	ıfirmatio	n of sup	oply p	olarii	ty:			V
	rrent protective device distribution circuit:  BS(EN):		608	98 N	ICB -	Тур	e C		Rat	ing:			16	Λ	Nominal Voltage:	// //	0 V	Zs:		0.0	07 Ω	lp	f:		3.	.5 kA
RCD	BS(EN):				No	of po	oles:		N/A		Rating:		MA		connecti e at In:	on N/	A ms		sconr ne at		n N/	/A ms				
	DETAILS OF TEST INSTRUM			eco+	numi	ore																				
	Details of Test Instruments used (state serial and/or asset numbers):  B040826 Insulation resistance:														N/A			С	ontinuity	<b>/</b> :			N/A			
	electrode resistance:	fault loop			ce:				N/A				CD:				N/A									
Ī	ESTED BY																									
Nam	e: Reece Cheasman	1	Positi	on:			E	Electricia	n				Signa	ature:			Alhi	an_			Da	te:	2	9/06	/202	2

S	SCHEDULE OF CIRCUIT DETAI																									
Distr	ibution board designation:	RG	D.B.	2 La	ndlo	ords	ligh	nting			Loc	catio	n:		Main	Elect	trical I	Intake	8th Flo	oor						
			_		condu	cuit ictors:	time S7671	Overcurr d	ent p		/e	RCD	BS7671		Circuit imp	edance	s (Ohms	5)		nsulation esistance			sured	RO	CD	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc mm <sup>2</sup>	Max disconnect time permitted by BS7671	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ➤ current, I∆n	ω Maximum Z <sub>S</sub> permitted by B3		rn (Neutral)		(one co	rcuits dumn to apleted)	ΩM Live - Live	M Live - Earth	< Test voltage	♣ Polarity	Maximum measured  B earth fault loop impedance Zs	a Disconnection	Test button operation	Test button operation
4 L3	Spare												N/A													
5 L1	Incinerator rooms 8-16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.34	N/A	> 200	> 200	500	~	1.41	N/A	N/A	N/A
5 L2	Chute room 8-16	В	В	8	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	1.60	N/A	> 200	> 200	500	~	1.67	N/A	N/A	N/A
5 L3	South stairs 8 - 16	В	В	9	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	2.09	N/A	> 200	> 200	500	~	2.16	N/A	N/A	N/A
6 L1	Photocell supply	В	В	No	1.5	1.5	0.4	60898	С	10	10	N/A	2.19	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
6 L2	Spare												N/A													
6 L3	Spare												N/A													
7 TP	Spare												N/A													
8 TP	Spare												N/A													
																								<u> </u>		
TYP	A B S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RI NG cables metallic conduit			C ermopla cables etallic	in	t	С	D rmoplastic ables in Ilic trunking	1		ables			F Thermor /SWA c	plastic	/SW	G mosettin 'A cables		H Minera insulated o				0 - 0 FI			



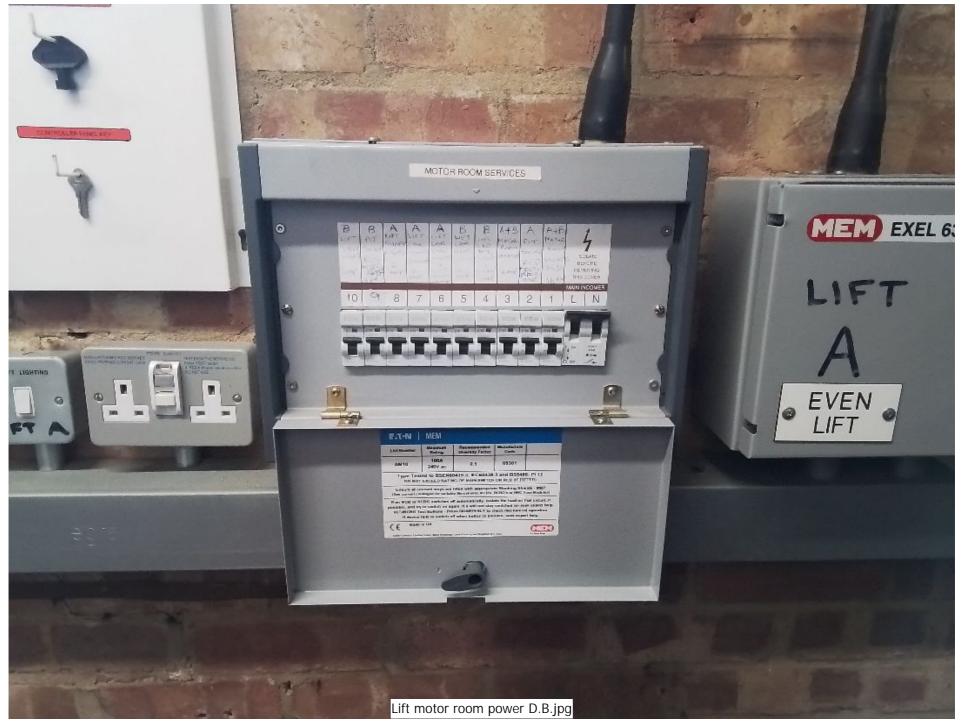
Description	S	CHEDULE OF CIRC	CUIT DETAI	LS .	ANE	тЕ	ST I	RES	UL7	ΓS																		
Crount designation	Distr	ibution board designatior	n: L	ift r	noto	r ro	om I	ight	ing	D.B.1			Lo	catio	n:			Lif	t Moto	or Roo	om							
Part   Department   Part   P							condu	cuit ictors:	time S7671				/e	RCD	57671		Circuit im	pedance	es (Ohms	)					sured	RC	D	AFDD
## 1 Spare   S	number ase	Circuit designat	ion	wiring	se Method	of erved			isconnect tted by B	DC (EN)	ON.	<b>D</b>	ilty	iting ht, I∆n					(one co	lumn to	Live	Earth	oltage	<u></u>	fault loop	nnection	outton tion	utton
2   Spare	Circuit and ph			of	Reference	Number points se			Ma	B2(EN)	Type I								R <sub>1</sub> +R <sub>2</sub>	R <sub>2</sub>	Live							
3 Spare	1	Spare													N/A													
## Lift motor room lights	2	Spare													N/A													
S   Tank room lights	3	Spare													N/A													
6 Spare	4	Lift motor room lights		В	В	5	1.5	1.5	0.4	88-2	gG	LIM	80	N/A	N/A	N/A	N/A	N/A	0.19	N/A	> 200	> 200	500	~	0.41	N/A	N/A	N/A
7   Spare	5	Tank room lights		В	В	4	1.5	1.5	0.4	88-2	gG	LIM	80	N/A	N/A	N/A	N/A	N/A	0.40	N/A	> 200	> 200	500	~	0.52	N/A	N/A	N/A
8 Spare	6	Spare													N/A													
9 Spare	7	Spare													N/A													
Tested By    No   No   No   No   No   No   No   N	8	Spare												N/A														
11 Spare	9	Spare													N/A													
CODES FOR Thermoplastic cables in metallic conduit nonmetallic conduit nonmetallic trunking n	10	Spare													N/A													
CODES FOR TYPE OF WRING Insulated sheathed cables in metallic conduit Insulated sheathed sheathed cables in metallic conduit Insulated sheathed shea	11	Spare													N/A													
Thermoplastic   Thermoplastic   Cables in   metallic conduit   Thermoplastic   Cables in   metallic conduit   Thermoplastic   Cables in   metallic conduit   Thermoplastic   Cables in   metallic trunking   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Cables in   metallic trunking   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Thermoplastic   Thermoplastic   Thermoplastic   Cables in   nonmetallic trunking   Thermoplastic   Thermop		А	В			С				D			F			F			G		Н				0 - 0	ther		
APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION Supply to this distribution board is from:  Origin  No of phases:  Overcurrent protective device for the distribution circuit:  RCD  BS(EN):  BS(EN):  N/A  No of poles:  N/A  No of poles:  N/A  Rating:  N/A  Disconnection time at In:  Disconnection time at In:  N/A ms	TYP	S FOR Thermoplastic E OF insulated/sheathed	Thermoplastic cables in			ermopl cables	in	t	С	ables in	ı r	С	ables	in					mosettin	_								
Supply to this distribution board is from:  Origin  No of phases:  Overcurrent protective device for the distribution circuit:  RCD  BS(EN):  N/A  No of poles:  N/A  No of poles:  N/A  No of poles:  N/A  Rating:  N/A  N/A  Rating:  N/A  Rating:  N/A  Rating:  N/A  N/A  Rating:  N/A  N/A  Rating:  N/A  N/A  N/A  Rating:  N/A  N/A  N/A  N/A  N/A  Rating:  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/																												
Overcurrent protective device for the distribution circuit: RCD BS(EN): 60947-3 Isolator Rating: 30 A Nominal Voltage: 230 V Zs: 0.12 \( \Omega\) Ipf: 2.0 kA RCD BS(EN): N/A No of poles: N/A Rating: N/A mA  Disconnection time at In: N/A ms  Disconnection time at I	r			INEC	TED				INC	OF THE I					1					Con	firmatio	n of sun	nly n	olarit	tv.			•
for the distribution circuit:  RCD BS(EN): N/A No of poles: N/A Rating: N/A mA Disconnection time at In:  DETAILS OF TEST I NSTRUMENTS  Details of Test Instruments used (state serial and/or asset numbers):  Multi-functional: B040826 Insulation resistance: N/A Continuity: N/A  Earth electrode resistance: N/A RCD: N/A  TESTED BY					61				nr.				1030	,5.		Λ		23	0 V		mmatio				_			
DETAILS OF TEST INSTRUMENTS  Details of Test Instruments used (state serial and/or asset numbers):  Multi-functional: B040826 Insulation resistance: N/A Continuity: N/A  Earth electrode resistance: N/A RCD: N/A  TESTED BY		distribution circuit:			Ů.			olati	Л			_				V	_				onnection					ection		
Details of Test Instruments used (state serial and/or asset numbers):  Multi-functional: B040826 Insulation resistance: N/A Continuity: N/A  Earth electrode resistance: N/A RCD: N/A  TESTED BY						INO	oi po	Dies:		IV/A	K	aung:	IN/ F	MINA			14//	11115	tir	ne at	<u>5ln:</u>	IN/	Ams					
Multi-functional:  B040826  Insulation resistance:  N/A  Continuity:  N/A  Earth electrode resistance:  N/A  RCD:  N/A  TESTED BY					l/or a	sset	numk	pers):																				
TESTED BY	r																N/A			С	ontinuity	<b>/</b> :			N/A			
	Earth 6																N/A			R	CD:				N/A			
Name: Reece Cheasman Position: Electrician Signature: Date: 21/06/2022	Ī	ESTED BY																										
21700/2022			asman	F	Positio	on:			I	Electricia	an				Signa	ture:			Alhi	n_			Da	te:	2	1/06/	2022	2

#### SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS Lift Motor Room Lift motor room lighting D.B.1 Distribution board designation: Location: Circuit Circuit conductors: BS7671 Insulation Overcurrent protective RCD Circuit impedances (Ohms) RCD AFDD resistance devices Circuit number and phase Reference Method All circuits Ring final circuits only by Z<sub>s</sub> by Operating current, I∆n (one column to Earth Test voltage Number of points served Type of wiring (measured end to end) Maximum Z Circuit designation be completed) Capacity Type No Polarity Rating Live срс BS(EN) $r_1$ rn R<sub>1</sub>+R<sub>2</sub> $R_2$ $r_2$ mm<sup>2</sup> mm<sup>2</sup> kA mA Ω $M\Omega$ $M\Omega$ ٧ Ω ms (Line) (Neutral) (cpc) 12 Spare N/A O - Other В G CODES FOR Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermosettina Mineral N/A TYPE OF insulated/sheathed cables in cables in cables in cables in /SWA cables /SWA cables insulated cables WIRING metallic conduit nonmetallic conduit metallic trunking nonmetallic trunking



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S	CHEDULE OF CIRCUIT DETAI	ILS.	ANE	ТЕ	ST F	RES	ULT	S																		
Distr	ibution board designation:	Lift	mot	or ro	om	pov	ver [	D.B.2			Lo	catio	n:				N,	/A								
			_		condu	cuit ictors:	time S7671	Overcur	rent pr		/e	RCD	BS7671		Circuit imp	oedance	s (Ohms	5)		nsulation esistance			measured loop	RO	D	AFDD
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live mm <sup>2</sup>	срс	Max disconnect time permitted by BS7671	BS(EN)	Type No	➤ Rating	∑ Capacity	g Operating ➤ current, I∆n	Maximum Z <sub>s</sub> permitted by B:		inal circui ured end r <sub>n</sub> (Neutral)	r <sub>2</sub>	(one co	rcuits Ilumn to ppleted) R <sub>2</sub>	- Live - Live	Ω Live - Earth	< Test voltage	Polarity	Maximum meas  B earth fault loop impedance Zs	B Disconnection with time	Test button operation	Test button operation
1	A & B - motor room RCD sockets	D	В	2	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.09	N/A	> 200	> 200	500	~	0.21	Fail	~	N/A
2	A - Pit socket & cctv spur	D	В	No	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A
3	A & B - Motor room heaters	D	В	2	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.16	N/A	> 200	> 200	500	~	0.28	N/A	N/A	N/A
4	B - Lift car emg light & windcrest	D	В	2	2.5	2.5	0.4	60898	С	16	10	N/A	1.37	N/A	N/A	N/A	0.24	N/A	> 200	> 200	500	~	0.36	N/A	N/A	N/A
5	B - Lift car lights	D	В	1	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	0.12	N/A	> 200	> 200	500	~	0.24	N/A	N/A	N/A
6	A - Lift car emg light & windcrest	D	В	2	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	0.18	N/A	> 200	> 200	500	~	0.30	N/A	N/A	N/A
7	A - Lift car light	D	В	1	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	0.12	N/A	> 200	> 200	500	~	0.24	N/A	N/A	N/A
8	A - Lift shaft lights	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	0.08	N/A	> 200	> 200	500	~	0.20	N/A	N/A	N/A			
9	B - Pit socket & CCTV	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	LIM	N/A	N/A	N/A			
10	B - Lift shaft lights	1.5	1.5	0.4	60898	С	6	10	N/A	3.64	N/A	N/A	N/A	0.15	N/A	> 200	> 200	500	~	0.27	N/A	N/A	N/A			
CODE	A B		T1-	С			The	D		The	E			F			G		Н				0 - 0	ther		
TYP	S FOR Thermoplastic Thermoplastic E OF insulated/sheathed cables in RING cables metallic condu			ermopl cables etallic		t	C	rmoplastic ables in Ilic trunking	r		ables		ng	Thermo /SWA o			mosettin 'A cables	-	Minera insulated o				N/	A		
APP	BOARD CHARACTERISTICS LIES WHEN THE BOARD IS NOT COM to this distribution board is from:	NNEC	TED		HE C	)RI G	in c	OF THE I		ALLA of ph			1					Con	firmatio	n of sup	pply p	olarit	ty:			•
	urrent protective device BS(EN):		60	0947	-3 Is	olate	or		Rat	ing:			100	Δ	lominal 'oltage:	23	0 v	Zs:		0.1	12 Ω	lp:	f:		2.	0 kA
RCD	BS(EN):			No	of po	oles:		N/A		ating:	N/A	mA		connection at In:	on N/	A ms		sconr ne at		n N/	'A ms					
	DETAILS OF TEST INSTRUME!		l/or a	sset	numb	pers)	:											21								
ſ	Details of Test Instruments used (state serial and/or asset numbers):  B040826 Insulation resistance:														N/A			C	ontinuity	<b>/</b> :			N/A			
Earth (	electrode resistance:	N/A				Е	arth	fault loop	imp	edan	ce:				N/A			R	CD:				N/A			
Nam	ESTED BY e: Reece Cheasman	-	Positio	on:			F	Electricia	ın				Signa	ture:			4.//	i n_			Da	te:	2	1/06,	/2021	2
	Troops of the annual factors and the second of the second		30.210										J.g. 10				run				Ju			., 00,		



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S	SCHEDULE OF CIRC	CUIT DETAI	LS .	AND	TE	ST F	RES	ULT	ΓS																		
Distr	ribution board designatio	n:	L	ift n	noto	r ro	om I	D.B.	.3			Loc	catio	n:			Lif	t Moto	or Roc	om							
				_		Circ	cuit ctors:	time S7671	Overcuri	rent p		/e	RCD	BS7671		Circuit imp	oedance				nsulation esistance			measured loop	RC	D A	AFDD
Circuit number and phase	Circuit designa	tion	Type of wiring	Reference Method	Number of points served	Live		Max disconnect time permitted by BS7671	BS(EN)	Type No	, Rating	Capacity	Operating • current, I∆n	Maximum Z <sub>S</sub> permitted by	(meas	final circuit sured end t	r <sub>2</sub>		rcuits lumn to pleted)	Live - Live	Live - Earth	Test voltage	Polarity	Maximum earth fault impedance	Disconnecti		Test button operation
1	Feeding locked CCTV cabin	et	В	В	No	2.5		s 0.4	60898	В	16	10	30	Ω 2.73	(Line) N/A	(Neutral) N/A	(cpc)	LIM	N/A	MΩ LIM	MΩ LIM	LIM	LIM	LIM	13	V /	N/A
2	Spare													N/A													
3	Spare													N/A													
4	Spare													N/A													
5	Spare													N/A													
6	Spare													N/A													
TYP	S FOR Thermoplastic E OF insulated/sheathed RING cables	B Thermoplastic cables in metallic condui	t	(	C ermopla ables i	n		С	D rmoplastic ables in Ilic trunking			E rmopl ables tallic	in		Thermo /SWA o			G mosettin A cables	_	H Minera insulated o				0 - 0 N/			
APP	BOARD CHARACTE LIES WHEN THE BOAR to this distribution boar	D IS NOT CON	INEC	TED		HE O	RIG	IN C	OF THE II		ALLA of ph			1					Con	firmatio	n of su	oply p	olarit	ty:		·	
	urrent protective device	BS(EN):		60	)947-	-3 Is	olato	or		Ra <sup>-</sup>	ting:			30	Λ	Nominal /oltage:	23	0 v	Zs:		0.	16 Ω	lp:	f:		1.5	5 kA
RCD	e distribution circuit:	CD			No	of po	oles:		2		Rating:		mA		onnecti	on 38	3 ms	Di		nection	13	B ms					
	DETAILS OF TEST I			Vor s	acet "	au una la	oral												mic	, at III.			- UI	.io at	JIII.		
	ills of Test Instruments u unctional:		11 and 14082		ssell	IUITID			ition resis	tanc	e:					N/A			Co	ontinuity	<b>/</b> :			N/A			
	Multi-functional: B040826 Insulation resistance:  Earth electrode resistance: N/A Earth fault loop imped															N/A				CD:				N/A			
T	ESTED BY																										
Nam	e: Reece Che	easman	F	Positio	n:			[	Electricia	n				Signa	ture:			Alhi	n_			Da	te:	2	1/06/	2022	<u>)</u>



S	CHEDULE OF CIRC	UIT DETAI	LS /	AND	TE:	ST I	RES	ULT	ΓS																	
Distr	ibution board designation	:		Ta	ank	Roc	m D	В				Loc	catio	n:				Tank F	Room							
				_		Cir	cuit ictors:	time S7671	Overcur	rent p device		ve	RCD	S7671		Circuit imp	pedance	es (Ohms	;)		nsulation esistance			measured t loop e Zs	RCI	) AFDD
Circuit number and phase	Circuit designation	on	Type of wiring	Reference Method	Number of points served	Live	cuit stors: sa cpc cpc	Max disconnect permitted by B	BS(EN)	Type No	, Rating		Operating current, I∆n		(meas	rn	to end)		rcuits lumn to pleted)	Live - Live	Live - Earth	Test voltage	Polarity	Maximum earth faul impedanc	Disconnectime	lest button operation Test button operation
1	Vigilant Cab (locked)		F	С	No	4	4	0.4	60898	С	25	10	30	Ω 0.87	(Line) N/A	(Neutral) N/A	(cpc)	LIM	N/A	M <u>Ω</u> LIM	MΩ LIM	LIM	LIM	Ω LIM	ms 19	v v N/A
2	Spare													N/A												
3	Spare													N/A												
4	Spare													N/A												
5	Spare													N/A												
6	Spare													N/A												
CODE	A S FOR Thermoplastic	B Thermoplastic		The	C	astic		The	D ermoplastic		The	E rmopl	astic		F			G		Н				O - Ot	her	
TYP	E OF insulated/sheathed	cables in metallic conduit			ables i	in	t	C	cables in Illic trunking			ables	in		/SWA c	.		mosetting /A cables	-	Minera insulated o				N/	A	
В	OARD CHARACTER	RISTICS																								
•	LIES WHEN THE BOARD to this distribution board		NEC.	TED <sup>-</sup>		HE C rigin		INC	OF THE I		ALLA of ph			1					Con	firmatio	n of sur	nly n	olarit	\/:		~
	rrent protective device	BS(EN):		60	)947.			nr			ting:	lasc	٥.	30		lominal		0 v		mmatio		ρι <b>у</b> ρ 14 Ω		-		1.7 kA
	distribution circuit:	BS(EN):				3 R		<i>)</i>			of po	alas:		2	V	/oltage: Rating:		mA	Zs: Disc	onnection		ms	lpf Di		ection	
RCD	ETAILS OF TEST II		) ITC		12	, o it				140	or pe	JIC3.			1,	<u></u>	- 00	1117 (	time	at In:		7 1113	tin	ne at	5ln:	17 1113
	ils of Test Instruments us			or as	sset r	numk	ers):																			
Multi-f	unctional:	B04	4082	26			Ir	nsula	ition resis	stanc	e:					N/A			Co	ontinuity	<b>/</b> :			N/A		
Earth 6	electrode resistance:	1		E	arth	fault loop	imp	edan	ce:				N/A			R	CD:				N/A					
Ī	ESTED BY																									
Nam	e: Reece Chea	asman	F	ositic	n:				Electricia	ın				Signa	ture:			Alle	n_			Da	te:	21	1/06/	2022



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Ref: WCC-129

## 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.
- 2. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 3. 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.
- 4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. For safety reasons it is important that this instruction is followed.
- 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 C1 ('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 may be 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 C1 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 6).

  10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a
- 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 6 of the Report under 'Recommendations' and on a label at or near to the consumer unit/ distribution board.