

ELECTRICAL	INSTALLATION	CONDITION

Requirements For Electrical Installations - BS 7671 IET Wiring Regulations Report Reference: 88849

1 DETAILS OF THE PERSON ORDERING THE REPORT
Client: University of Warwick
Address: Estates Office, Porta Cabin, R/O Boiler House, Lord Bhattacharyya Way, Coventry, CV4 7AL
2 REASON FOR PRODUCING THIS REPORT
Reason for producing this report:
Safety assessment as requested by the client.
Date(s) on which inspection and testing was carried out: 04/04/2022
3 DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT
Installation Address: University Of Warwick - Wellesbourne Campus - 9 The Crescent Only (04.041), Wellesbourne, CV35 9EF
Description of premises: Domestic N/A Commercial 🖌 Industrial N/A Other: N/A
Estimated age of wiring system: 10+ years Evidence of additions/ No if yes, estimated age: years
Installation records available? (Regulation 651.1) No Date of last inspection: 26/06/2018
4 EXTENT AND LIMITATIONS OF INSPECTION AND TESTING
Extent of the electrical installation covered by this report:
100% of the installation.
Agreed limitations including the reasons (see Regulation 653.2).
Please see the additional page at the rear.
Agreed with: Nigel Harrison - Testing Managers (Estates)
Operational limitations including the reasons:
Please see the additional page at the rear.
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.
of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the
inspection. An inspection should be made within an accessible roof space housing other electrical equipment.
5 SUMMARY OF THE CONDITION OF THE INSTALLATION See page 3 for a summary of the general condition of the installation in terms of electrical safety
Overall assessment of the installation in terms of it's suitability for
continued use*:
<ul> <li>An unsatisfactory assessment indicates that dangerous (Lode CT) and/or potentially dangerous (Lode C2) conditions have been identified.</li> </ul>
6 RECOMMENDATIONS
Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY',
as a matter of urgency.
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 or change of tenant/owner
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.

Referr of this re N/A TI	SERVATIONS AND RECOMMENDAT ing to the attached schedules of inspection eport under 'Extent of the Installation and here are no items adversely affecting electrical he following observations and recommendations	and test results, and subject to the limitations specif Limitations of Enspection and Testing': safety or s are made	fied on page 1
Item No		Observations	Classification Code
Genera	al		
1	Max Zs Details For Protective Devices Not	Available; All Zs Results Are Within Bs 60947 Limits	C3
2	Cables From Meter In 16Mm There After In	n 25Mm	C3
3	There Are No Spd or Afdd In The Installati	on, Risk Assessment Advised.	C3
4	All Main Cables Are Not Identified		C3
04-041	I-00-006-MP1		
5	Main Tails Not Secure		C2
04-041	1-000-006-DB1 (MK)		
6	Cable Entry At The Top Not Ip Rated		C2
04-041	1-000-005-DB1 (Sector)		
7	The Db Is Made Of Combustible Material A	nd Has A Low Fire Rating.	C3
8	The Installation Is A Domestic Household	And Has Lighting Circuits Not RCD Protected.	C3
9	Poor Terminations Of Bonding Conductor	To Bathroom Radiator	C2
10	3L1 - Light / Shaver Socket Fitting In Bath	nroom Not Working	C2
11	4L1 - Cooker Anti-Tip Not Secured		C2
12	11L1 - Has An Earth Loop Impedance (Zs) Circuit Currently Protected By Rcd For Fau	Higher Than Specified For The Protective Device. It Protection.	C3
13	11L1 - Thermal Damage To Shower Conne	ections	C2
14	13L1 - Cracked Double Pattress In Boiler R	loom	C2
15	13L1 - Information Rubbed Off On Mcb Fo	r Downstairs Sockets	C3
16	14L1 - Has An Earth Loop Impedance (Zs) Circuit Currently Protected By Rcd For Fau	Higher Than Specified For The Protective Device. It Protection.	C3
One of th responsit C1 Dan Risk remo	e following codes, as appropriate, has been allo ole for the installation the degree of urgency for ger Present of injury. Immediate edial action required	ncated to each of the observations made above to indicate to remedial action. Ingerous C3 Improvement FI Further inv recommended required w	o the person(s) vestigation vithout delay
Immedia	ate remedial action required for items:	N/A	
Urgent r	emedial action required for items:	5, 6, 9, 10, 11, 13, 14	
Improve	ement recommended for items:	1, 2, 3, 4, 7, 8, 12, 15, 16	
Further	investigation required for items:	N/A	

General condition This installation There is addition Main equipoten located in the for System is wired	CONE on of the n is in a f onal 30m ntial bond following d to 16th	A RCD linstalla fair cor A RCD ling cc locatio editio	N OF T ation (in tr ndition. protection onnection ons 004 a n	HE INS erms of e on to va ns to the & 008	STALL electrica rious ci followi	ATI C I safet ircuits ng se	DN y): howeve rvices W	er this /ater 8	is rec & Gas	omme are co	nded foi nnected	r improve I in 10mr	ement n cono	ductors	
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Earthing Arrangements TN-S V TN-C-S N/A TNC N/A TT TT	Num 1-phase (2 wire): 2-phase (3 wire): 3-phase (3 wire): Other: Confirmat ULARS ( ng //A nd (Load): itch-Fuse 7-2 MC( corr copper	ber and ac: N/A N/A N/A tion of s tion of s ti	a Type of I 1-phase (3 wire): 3-phase (4 wire): supply po ISTALL pe: esistance Earth: 50 Amps wit-Breake Current ra Fuse/devi or setting Voltage ra conductors a: 16	Live Cond d N/A 2 3 N/A C N/A darity: ATION Det Prote r / RCD ating: ice rating ice rating: s Co mm <sup>2</sup> CO	Lectors dc: 2 pole: 3 pole: 3 pole: Other: C	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Nominal Voltage( Nomi Prosp curre Exter loop Numi D TO I tion Eart Locatio Method measu e(s) agai supply conduc materi Supply conduc csa: Bo TO	ure of S (s): inal fre pective ent, Ipf: mal ear impeda ber of s N TH th Elect on: d of inst ele ctors al: / ctors al: / ctors	400 quence fault rth fau ance, 2 supplie <b>E RE</b> rrode ( t: cop 25	Param V Uo: y, f: llt Ze: es: POR where hock:  hock:  oper mm <sup>2</sup> aneous lation	eters 230 V 50 Hz 0.61kA 0.38 Ω 1 applicable If RCD Rated operat Rated Measu time (a s-conduct V	Supply BS(EN): Type: Rated cu Short-cir capacity: e) e) main swi residual ing current time dela red opera at IΔn): To gas pipes: To gas	y Prote 136 Irrent: cuit cuit ADS tch: nt (IΔn) y: ting install tning	ation	evice HBC A KA mA ms ms
Earthing Arrangements TN-S V 1 TN-C-S N/A TNC N/A TT TT	Num 1-phase (2 wire): 2-phase (3 wire): 3-phase (3 wire): Other: Confirmat ULARS ( ng ILARS ( ng IL	ber and ac: N/A N/A N/A CFIN CFIN CB CB CB	a Type of I 1-phase (3 wire): 3-phase (4 wire): supply po ISTALL resistance Earth: 50 Amps it-Breake Current ra Fuse/devior or setting Voltage ra conductors a: 16	Live Cond d N/A 2 3 N/A C N/A darity: ATION Det Prote r / RCD ating: ice rating ice rating ice rating co ve	luctors dc: 2 pole: 3 pole: Dther: Dther: C C C C C C C C C C C C C	N/A N/A N/A N/A N/A RRE nstalla	Nominal Voltage( Nomi Prosp curre Exter loop Numl DTOI Numl DTOI Locatio Method measu e(s) agai Supply conduc csa: Supply conduc csa: Bo To	I U: (s): inal fre pective ent, lpf: rnal ear impeda ber of s N TH ch Elect on: d of irremen ctors ial: / ctors al: / ctors onding o water pes: o oil ins	400 quence fault rth fau ance, 2 supplie rrode ( t: crode ( t: cop 25	Param V Uo: y, f: llt Ze: es: POR where hock: 	eters 230 V 50 Hz 0.61 kA 0.38 Ω 1 1 applicabl If RCD Rated operat Rated Measu time (a s-conduct N/A	Suppl BS(EN): Type: Rated cu Short-cir capacity: e) e) main swi residual ing currentime dela red opera at IΔn): tive parts To gas pipes: To ligh protect	y Prote 136 arrent: cuit cuit duit ADS tch: nt (IΔn) y: install tning tion:	ation	evice HBC A KA MA MA ms ms MS
Earthing Arrangements TN-S V TN-C-S N/A TNC N/A TNC N/A TT TT	Num 1-phase (2 wire): 2-phase (3 wire): 3-phase (3 wire): Other: Confirmat ULARS ( ng //A nd (Load): itch-Fuse 7-2 MC( copper onding co	ber and ac: N/A N/A N/A ition of s bring CF IN Re to CF IN CB CB CB CCB CCB CCB CCC CCC CCC CCC C	a Type of I 1-phase (3 wire): 3-phase (4 wire): supply po ISTALL pe: esistance Earth: 50 Amps wit-Breake Current ra Fuse/devi or setting Voltage ra conductors a: 16 rs	Live Cond A N/A 2 3 N/A C N/A A A A A A C N/A C N/A C C C C C C C C C C C C C	Lactors dc: 2 pole: 3 pole: 3 pole: Cher:	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Nominal Voltage( Nomi Prosp curre Exter loop Numi D TO I tion Eart Locatio Method measu e(s) agai supply conduc materi Supply conduc csa: Bo To pit	ure of S (s): inal fre pective ent, Ipf: mal ear impeda ber of s N TH th Elect on: d of inst ele ctors al: / ctors al: / ctors al: / onding o o water pes: o oil ins pes: o struct	400 quence fault rth fau ance, 2 supplie <b>E RE</b> rrode ( t: cop 25	Param V Uo: y, f: llt Ze: es: POR where hock:  hock:  oper mm <sup>2</sup> aneous lation	eters 230 V 50 Hz 0.61kA 0.38 Ω 1 applicable If RCD Rated operat Rated Measu time (a s-conduct N/A N/A	Supply BS(EN): Type: Rated cu Short-cir capacity: e) e) main swi residual ing current time dela red opera at IΔn): tive parts To gas pipes: To ligh protect To oth	y Prote 136 Irrent: cuit cuit ADS tch: nt (IΔn) y: install tning tion: er serv	icce(s):	evice HBC A KA M M M M S M S N/A

12/11	ISPECTION SCHEDULE		
Item	Description	Comment	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTI	ON ONLY)	
1.1	Service cable		~
1.2	Service head		~
1.3	Earthing arrangements		~
1.4	Meter tails		~
1.5	Metering equipment		~
1.6	Isolator (where present)		~
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWI	TCHED ALTERNATI VE 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):	Γ	
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)		~
3.1.2	Adequacy of earthing conductor size (542.3; 543.1.1)	See page 2	C2
3.1.3	Adequacy of earthing conductor connections (542.3.2)		<b>v</b>
3.1.4	Accessibility of earthing conductor connections (543.3.2)		<b>v</b>
3.1.5	Adequacy of main protective bonding conductor sizes (544.1)		<b>v</b>
3.1.6	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)		~
3.1.7	Accessibility of all protective bonding connections (543.3.2)		~
3.1.8	Provision of earthing/bonding labels at all appropriate locations (514.13)		~
3.2	FELV - requirements satisfied (411.7; 411.7.1)		N/A
4.0	OTHER METHODS OF PROTECTION (where any of the methods lister provided on separate sheets)	ed below are employed details sho	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)		~
5.2	Security of fixing (134.1.1)		~
5.3	Condition of insulation of live parts (416.1)		~
5.4	Adequacy/security of barriers (416.2)		~
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)		~
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)		~
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)		~
5.8	Presence and effectiveness of obstacles (417.2)		N/A
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)		V
OUTCON	IES		
Accepta conditio	on V Unacceptable C1 or C2 Improvement C3 Further FI	Not verified N/V Limitation LIM app	Not licable
L			

13/11	ISPECTION SCHEDULE (CONTINUED)		
Item	Description	Comment	Outcome
5.10	Operation of main switch(es) (functional check) (643.10)		~
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)		~
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)		~
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)		r
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)		~
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)		~
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)		~
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)		N/A
5.19	Presence of next inspection recommendation label (514.12.1)		~
5.20	Presence of other required labelling (please specify) (Section 514)		~
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)		~
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)		~
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)		~
6.0	DI STRI BUTI ON CI RCUI TS		
6.1	Identification of conductors (514.3.1)	See Page 2	C3
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		LIM
6.3	Condition of insulation of live parts (416.1)		~
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		~
6.6	Cables correctly terminated in enclosures (Section 526)		~
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)		~
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)		~
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)		~
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)		~
OUTCON Accepta conditio	MES     Unacceptable condition     Improvement C1 or C2     Further recommended	Not verified N/V Limitation LIM appl	lot   N/A

14/11	SPECTION SCHEDULE (CONTINUED)	1	
Item	Description	Comment	Outcome
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)		~
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)		~
6.15	Cables concealed under floors, above ceilings, in walls/partitions I partitions containing metal parts:	less than 50mm from a surface, a	nd in
6.15.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202) or		~
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)		~
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		~
6.17	Band II cables segregated/separated from Band I cables (528.1)		~
6.18	Cables segregated/separated from non-electrical services (528.3)		~
6.19	Condition of circuit accessories (651.2)		~
6.20	Suitability of circuit accessories for external influences (512.2)		~
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)		~
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)		~
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; Section 537)		~
6.24	General condition of wiring systems (651.2)		~
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)		~
7.0	FINAL CIRCUITS		
7.1	Identification of conductors (514.3.1)		~
7.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)		LIM
7.3	Condition of insulation of live parts (416.1)		~
7.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)		~
7.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)		~
7.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)		~
7.7	Adequacy of protective devices: type and rated current for fault protection (411.3)		~
7.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		~
7.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)		~
7.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)		~
7.11	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	mage
7.11.1	Installed in prescribed zones (see Section 4. Extent and limitations) (522.6.202)		~
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)		~
OUTCON Accepta	/LS ble Unacceptable Improvement Further	Not	Not
conditio	condition C1 or C2 recommended C3 investigation FI	verified N/V Limitation LIM app	olicable N/A

15 <u>IN</u>	ISPECTION SCHEDULE (CONTINUED)	1	1
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) $*$		~
7.12.2	For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3) *		~
7.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203) *		~
7.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) $^{\star}$		~
7.12.5	For final circuits supplying luminaires within domestic (household) premises (411.3.4) *	See Page 2	C3
	$^{\ast}$ 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)		~
7.14	Band II cables segregated/separated from Band I cables (528.1)		~
7.15	Cables segregated/separated from non-electrical services (528.3)		~
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)		~
7.16.2	No basic insulation of a conductor visible outside enclosure (526.8)		~
7.16.3	Connections of live conductors adequately enclosed (526.5)		~
7.16.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)		~
7.17	Condition of accessories including socket-outlets, switches and joint boxes (651.2)		~
7.18	Suitability of accessories for external influences (512.2)		~
7.19	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)		~
8.0	I SOLATION AND SWITCHING		
8.1	Isolators (Sections 460; 537):		
8.1.1	Presence and condition of appropriate devices (Section 462; 537.2.7)		~
8.1.2	Acceptable location – state if local or remote from equipment in question (Section 462; 537.2.7)		~
8.1.3	Capable of being secured in the OFF position (462.3)		~
8.1.4	Correct operation verified (643.10)		~
8.1.5	Clearly identified by position and/or durable marking (537.2.6)		~
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
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)		~
8.2.2	Acceptable location – state if local or remote from equipment in question (537.3.2.4)		~
8.2.3	Capable of being secured in the OFF position (462.3)		~
8.2.4	Correct operation verified (643.10)		~
8.2.5	Clearly identified by position and/or durable marking (537.3.2.4)		~
OUTCOM Acceptal conditio	IES De Unacceptable on ✔ Unacceptable condition C1 or C2 Improvement recommended C3 Further investigation FI	Not verified N/V Limitation LIM appl	icable

1 <u>6 IN</u>	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
8.3.2	Readily accessible for operation where danger might occur (537.3.3.6)		N/A
8.3.3	Correct operation verified (643.10)		N/A
8.3.4	Clearly identified by position and/or durable marking (537.3.3.6)		N/A
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)		✓
8.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)		✓
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
9.1	Condition of equipment in terms of IP rating etc (416.2)		✓
9.2	Equipment does not constitute a fire hazard (Section 421)		✓
9.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)		~
9.4	Suitability for the environment and external influences (512.2)		~
9.5	Security of fixing (134.1.1)		<ul> <li>✓</li> </ul>
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)		~
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)		~
10.2	Where used as a protective measure, requirements for SELV or PELV met $(701.414.4.5)$		~
10.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)		~
10.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)		~
10.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)		~
10.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		~
10.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)		~
10.8	Suitability of current-using equipment for particular position within the location (701.55)		~
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separ	ately the results of particular insp	pections)
11.1	N/A		N/A
11.2	N/A		N/A
11.3	N/A		N/A
OUTCON Accepta	MES ble Unacceptable of the Improvement of Further	Not	Not
conditio	on V condition V or C2 recommended C3 investigation FI	verified IN/V Limitation LIM	applicable

17/SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS																										
Dist	ribution board designation	n: 0	4-041	-000	-006	5-MF	°1 ((	Click)			Lo	catio	n:			04	-041-	000-0	06							
			D.		Cir cond	rcuit uctors: :șa	t time S7671	Overcu	rrent p device	rotecti s	ve	RCD	S7671		Circuit im	pedance	es (Ohm	s)	l r	nsulation esistance			sured	RC	D	AFDD
Circuit number and phase	Circuit designat	ion	Type of wiring Reference Methoo	Number of points served	Live	cpc	Max disconnec	BS(EN)	Type No	Rating	★ Capacity	g Operating ⊳ current, I∆n	Maximum Z <sub>S</sub> permitted by B	Ring f (meas r <sub>1</sub>	final circui sured end rn (Neutral)	ts only to end) r <sub>2</sub>	All c (one co be con R <sub>1</sub> +R <sub>2</sub>	ircuits plumn to npleted) R <sub>2</sub>	O⊠ Live - Live	o Live - Earth	< Test voltage	<ul> <li>Polarity</li> </ul>	Maximum mea earth fault loop impedance Zs	Disconnection time	<ul> <li>Test button</li> <li>operation</li> </ul>	<ul> <li>Test button</li> <li>operation</li> </ul>
1 L1	Supply to 04-041-000 (MK)	-006-DB1	A C	1	25	16	5	1361	2	80	33		0.38					0.01		> 200	500	~	0.38			
CODE TYF WII	ES FOR Thermoplastic Thermoplastic insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit	T	C hermop cables metallic	lastic in condu	it	The c meta	D rmoplastic ables in Ilic trunking	] 1	The c nonme	E rmopl ables tallic	lastic in trunki	ng	F Thermo /SWA d	plastic cables	Ther /SW	G mosettir /A cable:	ng s i	H Miner insulated	al cables			0 - 01 N/	ther A		
18 APF Supply	BOARD CHARACTE	RISTICS D IS NOT CONI d is from:	NECTE	т от с )	<sup>-</sup> HE ( Drigi	DRI G n	IN C	DF THE I	NST/ No	ALLA of pl	ATI O hase	)N es:	1		le ne in el			Cont	firmatic	on of sup	oply p	olari	ty:			~
for the RCD	urrent protective device e distribution circuit:	BS(EN): BS(EN):							Ra <sup>.</sup> No	ting: of po	oles:			A \ F	offininai /oltage: Rating:	23	0 V mA	Zs: Disc time	onnecti at In:	0.3 on	38 Ω ∙ ms	lp D ti	of: visconn me at	ectio 5ln:	0.6 ۲	51 k/ - m
19 Deta	DETAILS OF TEST I ails of Test Instruments u	NSTRUMEN sed (state serial	TS and/or	asset	num	bers):																	<u></u>			
Multi-1 Earth	functional: electrode resistance:	1017	/68833 			lr Ea	nsula arth	ition resis	stanc p imp	e: edan	ice:							Co	ontinuit <sub>:</sub> CD:	y:						
204																										
Nam	ne: Coral Allen-H	enderson	Posi	tion:			E	Electricia	an				Signa	ture:							Da	ite:	04	4/04/	2022	2

	SCHEDULE OF CIRC	CUIT DETAI	LS A	ND	TE	ST F	RESI	ULT	S																		
Dist	ribution board designatio	n:	04-0	)41-	000	0-00	5-DE	31 (	MK)			Lo	catio	n:			04	-041-	000-0	06							
						Circ	uit ctors:	time 57671	Overcurr	ent p	rotecti s	ve	RCD	17671		Circuit im	pedance	es (Ohm:	s)	l r	nsulation esistance			ured	R	D	AFDD
Circuit number and phase	Circuit designa	tion	Type of wiring	Reference Method	Number of points served	Live mm <sup>2</sup>	cpc mm <sup>2</sup>	<ul> <li>Max disconnect</li> <li>permitted by BS</li> </ul>	BS(EN)	Type No	> Rating	Capacity	<pre>3 Operating &gt; current, I∆n</pre>	<ul> <li>Maximum Z<sub>S</sub></li> <li>permitted by BS</li> </ul>	Ring (meas <sup>r</sup> 1 (Line)	final circui sured end r <sub>n</sub> (Neutral)	ts only to end) r <sub>2</sub> (cpc)	All ci (one co be con R <sub>1</sub> +R <sub>2</sub>	rcuits olumn to npleted) R <sub>2</sub>	Live - Live	σ M Live - Earth	< Test voltage	<ul> <li>Polarity</li> </ul>	Maximum meas b earth fault loop impedance Zs	B Disconnection	<ul> <li>Test button</li> <li>operation</li> </ul>	<ul> <li>Test button</li> <li>operation</li> </ul>
1 L1	Supply to 04-041-000 (Sector)	-005-DB1	G	С	1	16	16	5	60947-2		63	18							0.05		> 200	500	~	0.43			
CODE TYF WII	ES FOR Thermoplastic PE OF insulated/sheathed RING cables	B Thermoplastic cables in metallic conduit		Ther ca nonme	C rmopla ables i etallic d	astic in conduit		The c meta	D rmoplastic ables in Ilic trunking		The c nonme	E ermopl cables etallic	lastic in trunki	ng	F Thermo /SWA (	plastic cables	Ther /SW	G mosettir /A cables	ng s i	H Miner insulated o	al cables			0 - 01 N/	ther A		
APF Supply	BOARD CHARACTE PLIES WHEN THE BOAR y to this distribution boar	RISTICS DISNOTCON d is from: 04	inect 4-041	ed t -000	то т )-006	THE O 6-MP	rigi 1 (Cl	IN C ick)	DF THE IN - 1 L1	NST/ No	ALLA of pl	ATI O hase	)N es:	1					Cont	firmatio	n of su	oply p	olari	ty:			~
overc	urrent protective device e distribution circuit:	BS(EN):		1	361	- Ty	pe 2			Ra <sup>-</sup>	ting:	oloci		80	A \	vominai /oltage: Pating:	23	0 V	Zs: Disc	onnecti	0.3 on	38 Ω	lp D	f: isconn	iectio	0.6	)0 k/
	DETAILS OF TEST I	NSTRUMEN	ITS			-				NU		0163.			r				time	<u>at In:</u>		1113	tir	<u>me at</u>	<u>5ln:</u>		
Deta	alls of Test Instruments u	sed (state seria	I and/	or as	sset r	numb	ers):												0								
Earth	electrode resistance:	101		55			in Ea	isula arth	fault loop	imp	e: edan	nce:							R	Dontinuit <u>:</u> CD:	y:						
Nam	ne: Coral Allen-H	enderson	Po	ositio	n:			E	Electricia	n				Signa	ture:							Da	te:	04	4/04/	2022	2

S	CHEDULE OF CIRCU	JIT DETAI	LS /	AND	) TE	ST I	RES	ULT	S																		
Distr	ibution board designation:	C	)4-04	41-C	00-	005.	-DB1	1 (Se	ector)			Lo	catio	n:			04	-041-	000-00	)5							
						Cir condu	cuit ictors: sa	time S7671	Overcurr	rent pr devices	rotectiv s	ve	RCD	S7671		Circuit imp	bedance	es (Ohms	;)	l r	nsulation esistance			sured	RC	D	AFDD
Circuit number and phase	Circuit designation	ı	Type of wiring	Reference Methoc	Number of points served	Live	cpc	<ul> <li>Max disconnect</li> <li>permitted by B;</li> </ul>	BS(EN)	Type No	> Rating	🗲 Capacity	<pre>3 Operating &gt; current, I∆n</pre>	Β Maximum Z <sub>S</sub> permitted by B:	Ring f (meas <sup>r</sup> 1 (Line)	inal circuit ured end t <sup>r</sup> n (Neutral)	r <sub>2</sub> (cpc)	All ci (one co be com R <sub>1</sub> +R <sub>2</sub>	rcuits lumn to pleted) R <sub>2</sub>	Ω M M Live - Live	ΔX Live - Earth	< Test voltage	<ul> <li>Polarity</li> </ul>	Maximum meas b earth fault loop impedance Zs	Bisconnection time	<ul> <li>Test button</li> <li>operation</li> </ul>	<ul> <li>Test button</li> <li>operation</li> </ul>
1 L1	Lighting - 001, 002, 003 006, 007, 008	3, 004, 005,	A	С	7	1.5	1	0.4	60898	В	6	10		5.82				1.30			> 200	250	~	1.49			
2 L1	Fcu - 008		Α	С	1	2.5	1.5	0.4	60898	В	16	10		2.18				0.20			> 200	500	•	0.43			
3 L1	Lighting - 010, 011, 01	3, 017, 018	Α	С	5	1.5	1	0.4	60898	В	6	10		5.82				1.22			> 200	250	•	1.43			
4 L1	Isolator - 004		Α	С	2	10	4	5	60898	В	40	10		0.87				0.10			> 200	500	•	0.51			
5 L1	Spare																										
6 L1	Spare																										
7 L1	Spare																										
8 L1	Spare																										
9 L1	Spare Mcb								60898	В	32	10	30														
CODE TYP WIF	A S FOR Thermoplastic E OF insulated/sheathed NG cables	B Thermoplastic cables in metallic condui	t	The	C ermopl cables etallic	astic in condui	t	The c meta	D rmoplastic ables in Ilic trunking	r	The c	E rmopl ables tallic	lastic in trunkii	ng .	F Thermo /SWA c	plastic ables	Ther /SW	G mosettin /A cables	g ii	H Miner nsulated	al cables			o - o <sup>,</sup> N/	ther A		
APP Supply	OARD CHARACTER	ISTICS IS NOT CON is from: (	inec )4-04	ted 1-00	то т 00-00	HE C	) RIG 31 (N	IN С ЛК) -	)f the in - 1 L1	NSTA No	ALLA of pł	.TI O nase	N s:	1					Conf	irmatic	on of sup	a yla	olarit	ty:			~
Overcu	Irrent protective device	BS(EN):		60	947-	2 - T	ype			Rat	ting:			63	A	lominal	23	0 V	Zs:		0.4	l3 Ω	lp	f:		0.	58 kA
RCD	distribution circuit:	BS(EN):								No	of po	oles:			F	ating:		mA	Disco time	onnecti at In:	on	ms	Di tir	sconn ne at	ectio 5In:	n	- ms
Deta	ETAILS OF TEST IN	STRUMEN d (state seria	NTS al and	/or a	sset	numt	pers)	:																<u></u>	0		
Multi-f	unctional:	101	7688	333			Ir	nsula	tion resist	tance	e:								Co	ntinuit	y:						
Earth e	electrode resistance:						E	arth	fault loop	imp	edan	ce:							RC	D:							
Nam	ESTED BY e: Coral Allen-Her	nderson	F	Positio	on:			E	Electricia	n				Signa	ture:							Da	te:	0.	4/04/	/202	2

SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS																										
Distribution board designation: 04-041-000-005-DB1 (Sector) Location: 04-041-000-005																										
					Cir condu	cuit uctors:	time 7671	Overcuri	ent protective			RCD	7671	Circuit impedances (Ohms)				l r			Ired	R	CD	AFDE		
Circuit number and phase	Circuit designation	Type of wiring	Reference Method	Number of points served	Live	cpc	Max disconnect	BS(EN)	Type No	> Rating	∑ Capacity	g Operating ≥ current, I∆n	<ul> <li>Maximum Z<sub>S</sub></li> <li>permitted by BS</li> </ul>	Ring (meas r1 (Line)	final circu sured end rn (Neutral)	r <sub>2</sub> (cpc)	All ci (one cc be com R <sub>1</sub> +R <sub>2</sub>	ircuits olumn to npleted) R <sub>2</sub>	ΔM DM	Ω Ulve - Earth	< Test voltage	<ul> <li>Polarity</li> </ul>	Maximum meast δ earth fault loop impedance 7s	a Disconnection	<ul> <li>Test button</li> <li>operation</li> </ul>	<ul> <li>Test button</li> <li>operation</li> </ul>
10 L1	Spare Mcb							60898	В	32	10	30														
11 L1	Isolator - 011	A	С	1	6	2.5	0.4	60898	В	32	10	30	1.10				0.99			> 200	500	r	1.27	6.81	~	
12 L1	Rfc Sockets - 004	A	С	3	2.5	1.5	0.4	60898	В	32	10	30	1.10	0.44	0.44	0.70	0.40			> 200	500	~	0.57	6.81	~	
13 L1	Rfc Sockets - 001, 002, 003, 004, 005, 006, 008	A	С	8	2.5	1.5	0.4	60898	В	32	10	30	1.10	0.56	0.56	0.95	0.45			> 200	500	~	0.73	6.81	~	
14 L1	Rfc Sockets - 010, 013, 017, 018	A	С	11	2.5	1.5	0.4	60898	В	32	10	30	1.10	0.59	0.57	0.99	0.39			> 200	500	r	0.55	6.81	~	
Circuits Protected By Main RCD (61008)																										
																									<u> </u>	
																									<u> </u>	
CODE TYP WIF	A B S FOR Thermoplastic Thermoplas E OF insulated/sheathed cables in RING cables metallic cond	tic luit	C Thermoplastic cables in nonmetallic conduit				D Thermoplastic cables in metallic trunking			E Thermoplastic cables in nonmetallic trunking			ng	F Thermoplastic /SWA cables		G Thermosetting /SWA cables		ng s i	H Miner nsulated	O - Other N/A						

# LIMITATIONS

#### GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Characteristics Of Primary Supply Overcurrent Device Not Inspected. The Maximum Demand Has Not Been Calculated.

Insulation Resistance Tests Have Been Carried Out As Far As Reasonably Possible (Linked Line & Neutral To Earth Tests Were Undertaken On Circuits Where It Was Not Feasible To Disconnect Vast Amounts Of Equipment As Agreed With Nigel Harrison - Estates) And A Minimum Of 20% Of Termination Points On Each Individual Circuit, And On Lighting Circuits A Minimum Of Two Luminaries And Two Switches Have Been Inspected.

Reference Methods Were Inspected As Far As Reasonably Practicable With Reference To Any Previous Documentation Held On Site (If Applicable).

The Numbers Of Points Served Has Been Investigated As Far As Is Reasonably Practicable And Only Accessible Points Are Included In This Report. Limitations Will Be Due To Large Items Of Furniture Or Equipment That Cannot Be Easily Moved.

Cable Sizes And Lengths Were Estimated And Could Not Be Absolutely Confirmed.

No Access To Electrical System Above 3Meters Access Equipment Needs To Be Arranged; Where It Has Not Been Possible To Access The End Of Final Circuit A Reading Has Been Taken At A Point Furthest From The Distribution Board.

The Numbers Of Points Served Has Been Investigated As Far As Is Reasonably Practicable.

Please Refer To Previous Inspection Reports For Additional Information, These Are Held On Site By Estates

Report Serial Number - 110077284

Site Specific

- Lim1. Unable To Locate Circuit Destination
- Lim2. No Access To Room Or Area Due To It Being Locked Or Forbidden
- Lim3. Above 3Meters (Not Used on this site)
- Lim4. No Access To Equipment Due To It Being Blocked
- Lim5. No Access To Equipment Due To It Having Unremovable Covers
- Lim6. Unable To Isolate Following Instruction By Member Of Staff On / Off Site
- Lim7. No Power At Points On The Circuit
- Lim8. No Cpc At Points On The Circuit
- Lim9. No Access To Parts / Area Due Presence Of Asbestos

Db Listed Below: Limitations Found? No

### GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Approximate Submains Lengths (To listed distribution boards) -

04-041-000-006-DB1 (MK) - 0.25 Metres 04-041-000-005-DB1 (Sector) - 7 Metres

## CONTINUATION FOR GENERAL COMMENTS

#### GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Switch Panel Check List.

Building Name: 9 The Crescent Building Code: 04-041 Switch Panel: DB1

Switch Panel Checklist: Items That Have Been Inspected Are Listed Below: Check For Missing Structural/Ip Panel Parts Or Damage To Panel. Check For Labelling/ Identification Is In Place. Check That Correct Fuses Have Been Installed For Each Fuse Carrier. An Air Gap Should Be Present Between Each Fuse. Check That All Shields Over Terminals Are Not Damaged In Situ. Check Torque Of Fuse Terminals To Identify Any Damaged Threads Resulting In Loose High Resistance Terminals Or Over Tightened Bolts. Carry Out An Examination Of Terminals And Cables Using Heat Gun On Full Load (Agreed Limitation) General Notes:

Main Incomer Inspection: Labelling / Identification: Yes Fuse Rating: 80A Shields in Place: Yes Torque of terminals: Yes Notes:

Switch Fuse Inspection: Labelling / Identification: Yes Fuse Rating: 63A Shields in Place: Yes Torque of terminals: Yes Notes:

## CONTINUATION FOR GENERAL COMMENTS

### GENERAL COMMENTS

General Comments for the Installation or Inspection of the report:

Thermal Imaging Record -

04-041-000-006-MP1 - 131148

04-041-000-006-DB1 (MK) - 131150

04-041-000-005-DB1 (Sector) - 131149

#### 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.

 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.
 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).

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 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.