Electrical Installation Condition Report

Requirements for Electrical Installations - BS 7671:2018 (IET Wiring Regulations 18th Edition)





Information for recipients:

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 E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).

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 D.

The person ordering the report should have received the Original©Report and the inspector should have retained a duplicate. For items classified in Section K 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.

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.

For items classified in Section K 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.

Where the installation incorporates residual current devices (RCDs) there should be a notice at or near the devices stating that they should be tested every 6 months. For safety reasons it is important that these instructions are followed.

Where it has been stated in Section K that an observation requires further investigation code FI the inspection has revealed an apparent deficiency which may result on a code C1 or C2 could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).

Section D (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 (licencing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

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 F of the report under 'Recommendations' and on label at or near to the consumer unit/distribution board.

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for Industrial/Commercial Premises





B6 707 1.2010 (IE1	vviinig regulations rotif Edition)			(11111E 1011)	_
A. Details of the Ir	nstallation				
Client	WESSEX RFCA	Insta	allation	243 (wx) F	IELD HOSPITAL c SQUADRON
Address	MOUNT HOUSE MOUNT STREET TAUNTON SOMERSET	Add		TRURO DI MORESK I TRURO CORNWAL	
Postcode	TA1 3QU	Pos	tcode	TR1 1DF	
B. Reason for Pro	ducing this Report This form is to be use	ed only for renor	ting on the condition of a	n existina i	nstallation
SAFETY	Time form to be dec	a only for ropon	ang on the condition of all	T OXIOLITY II	Totalia and The Control of the Contr
Date(s) on which	the inspection and testing were carried out 20/09/2	2021	to 20/09/2021		
C. Details of Insta	llation which is the Subject of this Repo	ort			
Description of pre Estimated age of Evidence of altera Records of install	the wiring system 25 ations or addition Yes No ation available Yes No	Industrial years Not apparent Records held by	Other (please specify) if 'Yes', estimated e No. or previous Inspection F	yea	
Date of last inspe	Cuon 01/10/2016 Electrical ins	staliation Certificati	e No. or previous inspection r	Report No. [!
D. Extent of Electr	rical Installation Covered by this Report	:			
AS PER SCHED	ULES				
Agreed Limitation	ons and Operational Limitations (Regulations 65	3.2)			
DB1 CCT 2/L3 N 12/L2). NO TEST	O TESTS CARRIED OUT DUE TO IT BEING SEPA TING CARRIED OUT AT HIGH LEVEL EXTERNAL L AT HIGH LEVEL GYM LIGHTING. NO TEST TAKEN	RATE SUPPLY TO LIGHTING (WILL N	IEED TO BE LOOKED INTO		
Agreed with:					
_ ·	nd testing detailed within this report and accompa	nying schedule ha	s been carried out in accord	ance with B	S 7671: 2018 (IET Wiring Regulations)
	hat cables concealed within trunkings and conduits, under agreed between the client and inspector prior to the inspec				
E. Summary of the	Condition of the Installation				
General condition	ns of the installation (in terms of electrical safety)				
UN-SATISFACT	ORY - URGENT REMEDIAL WORKS REQUIRED.				
Overall assessme	ent of the installation in terms of its suitability for cor	ntinued use		SATISFACT	ORY *UNSATISFACTORY
*An UNSATISFAG	CTORY assessment indicates that dangerous (code C	C1), or potentially da	angerous (code C2), Further ir	vestigation (
classified as 'Da	ons all assessment of the suitability of the installation for anger present' (code C1) or 'Potential dangerous' (entified as 'Further Investigation required' (code FI)	(code C2) are acte	ed upon as a matter of urger	ncy. Investiga	ation without delay is recommended for
	bject to the necessary remedial action being taken,	•	•		· <u> </u>
above, having ex	erson(s) responsible for the inspection and testing of ercised reasonable skill and care when carrying out schedules, provides an accurate assessment of the	the inspection and	I testing hereby declare that t	ne informatio	n in this report, including the observations
Company	Technical Electrical Engineering Ltd t/a Mr Elect		Inspected and tested	by	Authorised for issue by
Address	Wheal Kitty Studios, Wheal Kitty, St Agnes,	Name: Signature:	LAUO		Steve Creese
Postcode	TR5 0RD				aren
Branch No.		Position:	Technician		Qualified Supervisor
Scheme No.	019875	Date:	20/09/2021		29/09/2021

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H. Schedule(s)	
2 sche	edule(s) of inspection and 15 schedule(s) of test results are attached.	
The attach	ned schedule(s) are part of this document and this report is valid only when they are attached to it.	
I. Supply Cha	aracteristics and Earthing Arrangements	
	Earthing Arrangements TN-S TN-C-S TT Other Please specify	
Number &	Type of live conductors AC ✓ DC No. of phases 3 No. of wires 4	
	Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement)	
	Nominal voltage, U/U ₀ (1) 400/230 v Nominal frequency, f(1) 50 H _z Confirmation of supply polarit	y 🗸
D	External loop impedance 7 (2)	_
Pro	spective fault current, $I_{pf}^{(2)}$ 4 KA External loop impedance, $Z_e^{(2)}$ 0.19 Ω	
Supply	Protective Device BS (EN) 1361 Fuse Type 1 Rated Current 100 A	
Supply	Protective Device BS (EN) 1361 Fuse Type 1 Rated Current 100 A	
No. of Add	litional Supplies 0	
J. Particulars	of Installation Referred to in this Report Means of Earthing	
	Installation Referred to in this Report Means of Earthing Installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) Distributors facility Installation Earth Electro	odo 🗔
Location		KVA
	Main Protective Conductors Material csa (√) or Value (√) or Va	
	Earthing Conductor Copper 25 Continuity Verified Ω Connection Verified	Ω
Protective Bond	ding Conductor (to extraneous-conductive-parts) Copper 10 Continuity Verified LIM Ω Connection Verified LIM	Ω
M-i- 0		
	y Conductor Copper 35 (connection / continuity) (√) or Value (√) or b Location BT OFFICE FRONT Water installation $\ \ \ \ \ \ \ \ \ \ \ \ \$	Value Ω
	e rating or setting 100 A Voltage rating 400 V Gas installation pipes V Ω To lightning protection MA	$=$ $\frac{\Omega}{\Omega}$
If RCD main		$=$ $\frac{1}{\Omega}$
BS(EN) 60	947-3 No. of Poles 4 Current Rating 100 A Rated time delay N/A ms Measured operating trip time N/A	ms
K. Observation	ons Explanation of codes	
	to the attached schedule of inspection and test results, and subject to the attached schedule of inspection and test results, and subject to the attached schedule of inspection and test results, and subject to the	uired.
iiiiiidioiis	Potentially dangerous. Urgent remedial action required.	
No re	emedial work required Improvement recommended.	
✓ The	following observations are made Further Investigation required without delay	
Item No.	Observations DB -: 5.2 Cables correctly supported throughout their run (521.10.202; 522.8.5) where visible	Code
2	DB - : 5.10 Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) - Only checked where visible	
	DB - : 5.11 Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and	
3	limitations) (522.6.204) -Only checked where visible	A
4	DB - : 5.15 Cables segregated/separated from communications cabling (528.2) Only checked where visible	$\overline{\mathbf{A}}$
5	DB - : 5.16 Cables segregated/separated from non-electrical services (528.3) Only checked where visible	$\overline{\Lambda}$
6	3.1.3 Adequacy of earthing conductor size (542.3; 543.1.1)	B
7	DB Entire Installation : 1.9 Correct identification of circuit details and protective devices (514.8.1; 514.9.1) -	3
8	DB Entire Installation : 1.10 Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2) -	®
9	DB Entire Installation : 1.13 Presence of other required labelling (Please specify) (Section 514) -	3
10	DB Entire Installation : 1.11 Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) -	3
11	DB Entire Installation : 1.18 RCD(s) provided for fault protection - includes RCBO(s)(411.4.204; 411.5.2; 531.2) -	3
12	DB Entire Installation : 1.19 RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1) -	3
	No RCD protection for socket-outlets for internal use (411.3.3)	
13	DB Entire Installation : 2.1 Identification of conductors (514.3.1) -	<u> </u>
14	DB Entire Installation: 2.10 Connected cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) Only where visible	
15	DB Entire Installation: 2.11 Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.204)Only where visible	
16	DB Entire Installation : 2.12.1 For all socket-outlets of rating 32 A or less unless exempt (4.11.3.3) -	<u></u>
17	DB Entire Installation: 2.12.3 For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	3
18	DB Entire Installation : 2.12.4 For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	•
19	DB Entire Installation: 2.4 Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) -	

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20	DB Entire Installation: 1.16 Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11) - The sharp metal edges of the containment have not been provided with protection (522.8.1;522.8.11)	②
21	DB Entire Installation : 2.17.1 Connections soundly made and under no undue strain (526.6) -	3
22	DB Entire Installation : 2.17.2 No basic insulation of a conductor visible outside enclosure (526.8)	3
23	DB Entire Installation : 2.17.4 Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5) -	3
24	5.23 Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11) - The sharp metal edges of the containment have not been provided with protection (522.8.1;522.8.11)	@
25	3.1.4 Adequacy of earthing conductor connections (542.3.2) -	3
26	DB Entire Installation : 2.18 Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v)) - See written report	@
27	6.1 Identification of conductors (514.3.1) Various not labelled and not found.	(1)
28	6.11 Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	(1)
29	6.2 Cables correctly supported throughout their run (521.10.202; 522.8.5)	@
30	6.24 General condition of wiring systems (651.2) FURTHER INVESTIGATIONS REQUIRED	(1)
31	6.19 Condition of circuit accessories (651.2) See written report	②
32	5.13 RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2)	②
33	DB Entire Installation : 2.2 Cables correctly supported throughout their run (521.10.202; 522.8.5) -	3
34	DB Entire Installation : 2.8 Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	(1)
35	DB Entire Installation: 2.12.2 For the supply of Mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) - RCD protection not provided for equipment rated up to 32 A and used outdoors (411.3.3)	@
36	DB Entire Installation : 2.17.3 Connections of live conductors adequately enclosed (526.5)	③

One of the following codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

Danger present. Risk of Injury. Immediate remedial action required.	
Potentially dangerous. Urgent remedial action required.	16, 19, 20, 24, 26, 29, 31, 32, 35
Improvement recommended.	6, 7, 8, 9, 10, 11, 12, 13, 17, 18, 21, 22, 23, 25, 33, 36
Further Investigation required without delay	27, 28, 30, 34

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Outcomes

Acceptable condition: State recommended: Investigation: Not Verified: Limitation: Not Applicable:

Outcomes

Acceptable condition: State recommended: Investigation: Not Verified: Limitation: Not Applicable: Not A

m No.	Description	Outcon
) Extern	al Condition Of Intake Equipment (Visual Inspection Only) Where inadequacies are encountered, it is recommende	ed that the
	dering the report informs the appropriate authority Service cable	
1.1	Service cable Service head	
1.3		
1.4	Earthing arrangement Meter tails	
1.5	Metering equipment	
1.6	Isolator (where present)	N/A
	I Or Switched Alternative Sources Of Supply	
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 as a switched attendative to the public supply (551.7) Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	
	atic Disconnection Of Supply	
3.1	Main earthing/bonding arrangements (411.3; Chap 54)	
3.1.1	Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	
3.1.2	Presence of installation earth electrode arrangement (542.1.2.3)	N/A
3.1.3	Adequacy of earthing conductor size (542.3; 543.1.1)	<u> </u>
3.1.4	Adequacy of earthing conductor connections (542.3.2)	•
3.1.5	Accessibility of earthing conductor connections (543.3.2)	
3.1.6	Adequacy of main protective bonding conductor sizes (544.1)	
3.1.7	Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2)	
3.1.8	Accessibility of all protective bonding connections (543.3.2)	
3.1.9	Provision of earthing/bonding labels at all appropriate locations (514.13)	
3.2	FELV - requirements satisfied (411.7; 411.7.1)	(NA
	Methods Of Protection (Where any of the methods listed below are employed details should be provided on separate	
4.1	Non-conducting location (418.1)	N/A
4.2	Earth-free local equipotential bonding (418.2)	₩.
4.3	Electrical separation (Section 413; 418.3)	
4.4	Double insulation (Section 412)	(NA
4.5	Reinforced insulation (Section 412)	NA NA
Distrib	ution 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)	N/A
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)	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)	Q
5.10	Operation of main switch(es) (functional check) (643.10)	Q
5.11	Manual operation of circuit-breakers and RCD(s) to prove disconnection (643.10)	
0.11		
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)	
	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2)	
5.12 5.13		0
5.12 5.13 5.14	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2)	<u>@</u>
5.12 5.13 5.14 5.15	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1)	
5.12	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)	©
5.12 5.13 5.14 5.15 5.16	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	
5.12 5.13 5.14 5.15 5.16 5.17	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	
5.12 5.13 5.14 5.15 5.16 5.17 5.18	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) Presence of alternative supply warning notice at or near equipment, where required (514.15) Presence of next inspection recommendation label (514.12.1) Presence of other required labelling (please specify) (Section 514)	
5.12 5.13 5.14 5.15 5.16 5.17 5.18 5.19	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) Presence of alternative supply warning notice at or near equipment, where required (514.15) Presence of next inspection recommendation label (514.12.1)	al O
5.12 5.13 5.14 5.15 5.16 5.17 5.18 5.19 5.20	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) Presence of alternative supply warning notice at or near equipment, where required (514.15) Presence of next inspection recommendation label (514.12.1) Presence of other required labelling (please specify) (Section 514) Compatibility of protective device, base and other components; correct type and rating (no signs of unacceptable thermal	al C
5.12 5.13 5.14 5.15 5.16 5.17 5.18 5.19 5.20 5.21	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) Presence of alternative supply warning notice at or near equipment, where required (514.15) Presence of next inspection recommendation label (514.12.1) Presence of other required labelling (please specify) (Section 514) Compatibility of protective device, base and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.4.5; 411.4.6; Sections 432; 433)	

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6.1	Identification of conductors (514.3.1)	(I)
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	②
6.3	Condition of insulation of live parts (416.1)	
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. Integrity of containment (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)	Ø
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)	Ø
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)	Ø
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	(1)
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	Ø
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)	
6.14 6.15	Where exposed to direct sunlight, cable of a suitable type (522.11.1) Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts	
	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions	
6.15	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts	
6.15 6.15.1	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) or Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical	
6.15 6.15.1 6.15.2	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204)	MVA MV
6.15 6.15.1 6.15.2 6.16	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	
6.15 6.15.1 6.15.2 6.16 6.17	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band II cables segregated/separated from Band I cables (528.1)	
6.15 6.15.1 6.15.2 6.16 6.17 6.18	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band II cables segregated/separated from Band I cables (528.1) Cables segregated/separated from non-electrical services (528.3)	
6.15 6.15.1 6.15.2 6.16 6.17 6.18 6.19	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band 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)	
6.15 6.15.1 6.15.2 6.16 6.17 6.18 6.19 6.20	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band 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)	
6.15 6.15.1 6.15.2 6.16 6.17 6.18 6.19 6.20 6.21	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band 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 (132.14.1; 530.3.3) Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment – identify/record	
6.15 6.15.1 6.15.2 6.16 6.17 6.18 6.19 6.20 6.21 6.22	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts Installed in prescribed zones (see Section D. 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, screws and the like (see Section D. Extent and limitations) (522.6.204) Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) Band 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 (132.14.1; 530.3.3) Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)	

0.21	Single-po	ie switching or protective devices in line conductors	s only (132.14.1; 530.	.3.3)	
6.22		of connections, including cpc's, within accessories and locations of items inspected (Section 526)	and to fixed and sta	tionary equipment – identify/record	
6.23	Presence	, operation and correct location of appropriate device	ces for isolation and s	switching (Chapter 46; 537)	
6.24	General c	condition of wiring systems (651.2)			(1)
6.25	Temperat	ure rating of cable insulation (522.1.1; Table 52.1)			
Inspector'	s Name:	Ed Rowe	Signature:	DA:	
Date:		21/09/2021		EMUO	

for Industrial/Commercial Premises







Compan	/ Name Technical Electrical E	ngine	ering Lt	d t/a M	C	ompany	/ Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client [V	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	CHME	NT, MC	RESK RO	AD, TRL	JRO, CO	RNWALL						Po	stcod	le TR1	1DF			
Distribution	n board details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Tes	st insti	rument s	serial n	umber(s))	
Location	BT OFFICE FRONT				_	•		e installation n board is from						Asso N/A	ociated R0	D(if any):	BS (EN		nerating	Ab at 1 lΔn	ove 30m/	<u>w</u>	Loop i	mpedance	e 10081	28101650	691	
Designation	DB 1					арріј іо а	0.1.0.0.1.0.1							$Z_d = 0$.33	Ω No.	of poles		perating		N/A ms A or below	≕ I Ins	ulation			28101650		\Box
Num. of wa	ys 8 Num. of	phase	s 3			vercurrent otective de	vian for	BS(EN)						I _{pf} 1.			N/A		perating a	at 5 l∆n r	N/A ms	, be				28101650		_
Supply	polarity confirmed 🗸 Phase se	quence	confirm	ed 🗸		e distribution		Туре	Rati	ng	A	Voltag	e 230 V	Time	delay (if a	applicable)	N/	4		_				RCI	10081	28101650	691	
	CIRCUIT DETAILS Distribution board Designation																		TE	ST RE	SULT	S						
Ci	Distribution board Designation	Туре	70	No.		onductors (mm²)	dis	Overcurrent device		tive	Breaking capacity	oper	Max.		C	ircuit impe	edance	Ω			ation resis d lower re		Po	Max Measu	RCD	testing	Manua button o	
)ircu	DB 1	으	Ref. m	으			May		Туре	, R	aking	RCD	permitted Zs Other		final circui ured end-		Fig 8 check	All circu		Test	L/L, L/N	L/E, N/E	Polarity	Max. leasured	Above 30mA	30mA or below	RCD	AFDD
ircuit No.	Circuit designation	wiring	devices Type No. CS (IIIII) Sconnection BS EN Number C PC C PC Number Rating (KA) (MA) (MA) (Q)												rn	r2	(√)	R1R2 or R	2, not both	voltage	M(Ω)	M(Ω)	(√)	Zs (Ω)	l∆n ms	5 l∆n ms	(√)	(√)
1/L1	Sub Mains(DB 1/2)	A	A	1	10	4	0.4		В	63	10	N/A	0.69	NA	NA	NA	√	0.26	N/A	250	100	100	√	0.33	N/A	N/A	√	N/A
1/L2	Sub Mains(DB 1/3)	Α	А	1	10	4	0.4	60898 MCB T	В	63	10	N/A	0.69	NA	NA	NA	✓	0.27	N/A	250	100	100	✓	0.56	N/A	N/A	✓	N/A
1/L3	Sub Mains(DB 1/5)	Α	А	1	10	4	0.4	60898 MCB T	В	63	10	N/A	0.69	NA	NA	NA	✓	0.39	N/A	250	100	100	✓	0.38	N/A	N/A	✓	N/A
2/L1	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L2	Fire Alarm	0	А	1	1	1	0.4	60898 MCB T	В	6	10	N/A	7.28	NA	NA	NA	✓	0.24	N/A	250	100	100	✓	0.39	N/A	N/A	✓	N/A
2/L3	OFFICE DATA CABINET	D	А	1	2.5	2.5	0.4	60898 MCB T	В	6	10	N/A	7.28	NA	NA	NA	✓	LIM	N/A	250	LIM	LIM	✓	LIM	N/A	N/A	✓	N/A
3/TP	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/TP	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/L1	DB GARAGE DB1 + DB2	Α	Α	2	10	4	0.4	60898 MCB T	В	63	10	N/A	0.69	NA	NA	NA	✓	0.13	N/A	250	100	100	✓	0.33	N/A	N/A	✓	N/A
5/L2	SOCKET BT OFFICE	Α	Α	1	5	2.5	0.4	60898 MCB T	В	20	10	N/A	2.19	NA	NA	NA	✓	0.4	N/A	250	100	100	✓	0.54	N/A	N/A	✓	N/A
5/L3	SECURITY LIGHTS	Α	Α	12	1	1	0.4	60898 MCB T	В	10	10	N/A	4.37	NA	NA	NA	✓	FI	N/A	250	0.04	0.04	✓	FI	N/A	N/A	✓	N/A
6/TP	DB1/1 ELECTRICAL CUPBOARD	F	Α	1	35	35	0.4	60898 MCB Type B	В	63	10	N/A	0.69	NA	NA	NA	✓	0.34	N/A	250	100	100	✓	0.65	N/A	N/A	✓	N/A
7/L1	GATE SUPPLY	G	А	1	2.5	2.5	0.4	61009 RCD/	С	16	10	N/A	1.37	NA	NA	NA	✓	0.65	N/A	250	0.04	0.04	✓	0.56	N/A	N/A	✓	N/A
7/L2	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7/L3	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8/TP	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Details o	f circuits and/or installed e	quipr	nent v	ulnera	able to	damage	when	testing	Dat	te(s) o	dead t	esting	Not Spe	ecified	То	Not Spec	ified	Date	(s) live	testing		20/09/20	21	To		20/09/	/2021	\neg
ANY ELEC	CTRONIC DEVICES.																		Siç	gnature	en	Ti n						
Tested b	y: Name (capital letters)	Εľ	ROW				P	osition Techr	nician					Date 2	0/09/202	1					Ju	W						
Wiring Types.	A PVC/PVC, B PVC cables in metallic Conduit, C	PVC cal	bles in non-	metallic Co	onduit, D PVC	cables in met	tallic trunkin	ig, E PVC cables in nor	n-metallio	c trunking,	F PVC/SV	VA cables,	G SWA/XPLE	cables, H M	ineral Insulate	ed, MW Metal	Work, FM	Ferrous Met	al, O Other									

for Industrial/Commercial Premises







Company	Name Technical Electrical E	Engine	ering Lt	d t/a M	r C	ompany	y Addr	'ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕІ	NT, MC	RESK RC	AD, TRU	JRO, CO	RNWALL						Po	stcoc	le TR1	1DF			
Distributio	n board details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Tes	st inst	rument	serial n	umber(s))	
Location	MAIN ELECTRIC CUPBOARI				_	•		e installation n board is from								CD(if any):	BS (EN		Onerating	Ab at 1 lΔn	ove 30m/	<u>w</u>	Loop i	mpedano	e 10081	28101650	691	
Designation						appi) to u								N/A Z _d 0		Ω No.	of poles		perating		N/A ms A or below	⇒ I Ins	ulation	resistano	e 10081	28101650	691	
Num. of wa	ys 12 Num. of	phase	es 3			vercurrent rotective de	uioo for	BS(EN)						I _{pf} 0			N/A		perating	at 5 l∆n r		ᇎᅵ		Continuit		28101650		
Supply	polarity confirmed Phase se	equenc	e confirm	ed 🗸		e distribution		: Туре	Rati	ng	A	Voltag	e\	Time	delay (if	applicable)	N/	A		_				RCI	10081	28101650	691	_
			CI	RCU	IT DE	TAILS													TE	ST RE	SULT	S						
ano	Distribution board Designation	Type	71	\ V		onductors (mm²)	dis	Overcurrent device		tive	Brea	oper	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis d lower re		Po	Max. Measur	RCD	testing	Manua button o	al test operation
Circuit and Line	DB 1/1	으	Ref. m				Max		Туре	رچ	Breaking capacity	RCD	permitted Zs Other		final circui		Fig 8 check		its to be ed using	Test	L/L,	L/E,	Polarity	Max. leasured	Above 30mA	30mA or below	RCD	AFDD
e r No	Circuit designation	wiring	method	points	r z	СРС	Maximum disconnection	BS EN Number	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2		R1R2 or R	2, not both	voltage	L/N M(Ω)	N/E M(Ω)	(√)	Zs (Ω)	IΔn ms	5 IΔn ms	(√)	(√)
1/L1	Lights LOUNGE/OFFICE	A	A	9	1	1	0.4	61009 RCD/	6	10	0	2.91	NA	NA	NA	(√) √	1.24	R2 N/A	250	100	100	√	0.98	7.87	5.09	√	N/A	
1/L2	Lights 10 PLATOON	Α	Α	8	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	1.68	N/A	250	100	100	✓	0.98	7.48	8.18	✓	N/A
1/L3	HANDRIER LADIES WC	Α	Α	1	2.5	1.5	0.4	61009 RCD/	10	0	0.87	NA	NA	NA	✓	0.24	N/A	250	100	100	√	0.6	14.2	5	✓	N/A		
2/L1	Lights 165 SQUADRON	А	Α	3	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	√	0.87	N/A	250	100	100	√	0.91	7.98	6.87	✓	N/A
2/L2	SPARE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/L3	Lights PASSAGE	А	А	6	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	0.77	N/A	250	100	100	✓	0.91	7.88	7.58	✓	N/A
3/L1	HEATER FAR OFFICE	Α	Α	2	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	0.65	N/A	250	100	100	✓	0.78	7.88	8.18	✓	N/A
3/L2	HEATER RANGE	Α	А	4	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	0.22	N/A	250	100	100	✓	0.39	7.89	8.19	✓	N/A
3/L3	Lights LHS OFFICES	Α	Α	12	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	1.42	N/A	250	100	100	✓	1.08	8.7	8.59	✓	N/A
4/L1	HEATERS STORES	А	А	4	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	0.56	N/A	250	100	100	✓	0.41	7.8	8.2	✓	N/A
4/L2	SOCKETS OLD SERVERY	А	А	FI	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.37	0.38	0.38	✓	FI	N/A	250	100	100	✓	FI	7.9	8.32	✓	N/A
4/L3	Lights WC + GYM	Α	А	13	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	0.84	N/A	250	100	100	✓	0.93	7.7	7.4	✓	N/A
5/L1	SOCKETS 165 SQUADRON	Α	А	5	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.49	0.5	0.82	✓	0.35	N/A	250	100	100	✓	0.64	7.82	7.54	✓	N/A
5/L2	SOCKETS OFFICES	Α	Α	7	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.59	0.59	0.59	✓	0.33	N/A	250	100	100	✓	0.43	6.1	5.8	✓	N/A
5/L3	HEATERS GYM	Α	А	4	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	0.55	N/A	250	100	100	✓	0.71	7.7	7.9	✓	N/A
6/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
6/L2	Lights RANGE SPOTS	Α	Α	4	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	1.04	N/A	250	100	100	✓	0.65	8.6	8.7	✓	N/A
6/L3	SOCKETS COPY OFFICE	А	А	4	2.5	1.5	0.4	61009 RCD/	С	16	10	0	1.09	NA	NA	NA	✓	0.25	N/A	250	100	100	✓	FI	6.89	8.79	✓	N/A
Details o	f circuits and/or installed e	equip	ment v	ulnera	able to	damage	when	testing	Dat	te(s) o	dead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	(s) live	testing		20/09/20)21	To	o 🗀	20/09/	/2021	
ANY ELEC	TRONIC DEVICES.]	Si	gnature		0	A-					
Tested b	y: Name (capital letters)	E	D ROWI				F	osition Techr	ician					Date 2	0/09/202	1		ĺ				4	au					
Wiring Types. A	PVC/PVC, B PVC cables in metallic Conduit, (C PVC ca	ables in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkir	ng, E PVC cables in nor	-metalli	c trunking.	F PVC/SV	VA cables,	G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	Work, FN	Ferrous Met	al, O Other									

for Industrial/Commercial Premises







			CI	RCU	IT DE	TAILS													TE	ST RE	SULT	rs						
C and	Distribution board Designation	Туре		7		onductors (mm²)	<u>d</u>	Overcurrent device		ctive	Bre	ope	BS 7671 Max.		(Circuit impe	edance	Ω			ation resis		Pc	Mea M	RCD	testing	Manua button o	al test
Circuit d Line	DB 1/1	으	Ref. n	No. of	000		Ma	dovid	Туре	, , ,	Breaking capacity	RCD operating	permitted Zs Other		final circu		Fig 8		uits to be	Test	L/L,	L/E,	Polarity	Max. Measured	Above 30mA	30mA or below	RCD	AFDD
® ≓ No.	Circuit designation	wiring	method	points	r z	СРС	Maximum sconnection	BS EN Number	No.	(A)	(KA)	(mA)	80% (Ω)	r1	ured end-	r2			R2, not both	voltage	L/N M(Ω)	N/E M(Ω)	(√)	Zs (Ω)	I∆n ms	5 l∆n ms	(√)	(√)
7/L1	SOCKETS HOSPITAL ROOM	Α	Α	5	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.76	0.76	FI	✓	FI	N/A	250	100	100	✓	FI	7.82	7.54	✓	N/A
7/L2	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
7/L3	SOCKETS ADMIN	Α	А	8	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.68	0.69	1	✓	0.46	N/A	250	100	100	✓	0.62	8.87	6.98	✓	N/A
8/L1	REDUNDANT 2AMP SOCKETS HOSPITAL ROOM	А	А	2	1	1	0.4	61009 RCD/RCBO	С	10	10	0	1.75	NA	NA	NA	✓	LIM	N/A	250	100	100	✓	LIM	7.69	8.09	✓	N/A
8/L2	BOILER	Α	А	1	2.5	1.5	0.4	61009 RCD/	С	10	10	0	1.75	NA	NA	NA	✓	0.69	N/A	250	100	100	✓	0.41	5.39	8.39	✓	N/A
8/L3	SOCKETS LHS OFFICES	Α	Α	5	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.57	0.57	0.57	✓	0.35	N/A	250	100	100	✓	0.53	8.45	8.65	✓	N/A
9/L1	TUBU HEATERS	Α	Α	4	2.5	1.5	0.4	61009 RCD/	С	10	10	0	1.75	NA	NA	NA	✓	0.79	N/A	250	100	100	✓	0.41	7.9	8.19	✓	N/A
9/L2	SOCKETS RANGE	Α	Α	3	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	FI	N/A	250	FI	FI	✓	FI	7.99	8.29	✓	N/A
9/L3	Lights HOSPITAL PASSAGE	Α	Α	3	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	0.92	N/A	250	100	100	✓	0.57	5.29	5.39	✓	N/A
10/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
10/L2	Lights RANGE	Α	Α	4	1	1	0.4	61009 RCD/	С	6	10	0	2.91	NA	NA	NA	✓	1.07	N/A	250	100	100	✓	0.86	7.59	7.29	✓	N/A
10/L3	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
11/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
11/L2	SOCKET RANGE FAR	Α	Α	1	2.5	1.5	0.4	61009 RCD/	С	20	10	0	0.87	NA	NA	NA	✓	0.38	N/A	250	100	100	✓	0.65	7.88	8.28	✓	N/A
11/L3	HANDRYER LADIES	Α	Α	1	2.5	1.5	0.4	61009 RCD/	С	16	10	0	1.09	NA	NA	NA	✓	0.62	N/A	250	100	100	✓	0.65	18.8	5.65	✓	N/A
12/L1	SER VER SUBMAIN	Α	А	1	10	4	0.4	61009 RCD/	С	40	10	0	0.44	NA	NA	NA	✓	LIM	N/A	250	LIM	LIM	✓	LIM	LIM	LIM	✓	N/A
12/L2	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
12/L3	HANDRYER GENTS	Α	Α	1	2.5	1.5	0.4	61009 RCD/	С	16	10	0	1.09	NA	NA	NA	✓	0.55	N/A	250	100	100	✓	0.61	16.3	5.04	✓	N/A
			<u> </u>																									
Details o	of circuits and/or installed e	quip	ment v	ulner	able to	damage	when	testing	Dat	te(s)	dead	testing	Not Sp	ecified	То	Not Spec	cified	Date	e(s) live	testing		20/09/20)21	To	0	20/09	9/2021	\Box
ANY ELEC	CTRONIC DEVICES.																		Si	gnature		DA.	_	-				
Tested b	y: Name (capital letters)	El	D ROWI	E			P	osition Techr	nician					Date 2	0/09/202	1						Pau						
Wiring Types.	A PVC/PVC, B PVC cables in metallic Conduit, C	PVC ca	bles in non-	-metallic C	onduit, D PV	C cables in me	etallic trunkin	ng, E PVC cables in nor	n-metalli	c trunking	, F PVC/S	WA cables	G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	l Work, FN	I Ferrous Me	tal, O Other									

for Industrial/Commercial Premises







Company	/ Name Technical Electrical E	Engine	ering Lt	d t/a M	r C	ompany	y Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕІ	NT, MC	RESK RO	AD, TRU	IRO, CO	RNWALL						Po	stcod	le TR1	1DF			
Distributio	n board details - Complete in	every	case					he distribution	ı boa	rd is n	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Te	st insti	rument	serial n	umber(s)	
Location	OUTSIDE ADMIN OFFICE				_	•		e installation board is from						Asso N/A	ciated R0	CD(if any):	BS (EN		nerating	Ab at 1 l∆n	ove 30m		Loop i	mpedanc	e 10081	28101650	691	\Box
Designation	DB 1/2													$Z_d 0.$	33	Ω No. 0	of poles		perating	_	N/A ms	₹ I Ins				28101650		
Num. of wa	ys 12 Num. of	phase	s 1			vercurrent otective de	wiee for	BS(EN) 60898	мсв	Туре В				I _{pf} 0.			N/A	0	perating a	at 5 l∆n n	N/A ms	, <u>e</u>				28101650		_
Supply	polarity confirmed 🔽 Phase se	equence	confirm	ed 🗸		e distribution		Туре В	Rati	ng 63	A	Voltag	e 230 \	Time	delay (if a	applicable)	N//	4		_				RCI	10081	28101650	691	_
			CI	RCU	IT DE	ΓAILS													TE	ST RE	SULT	S						
anc	Distribution board Designation	Τ _Y	70	No.	-	onductors (mm²)	dis	Overcurrent device		tive	Brea cap	oper	BS 7671 Max.		C	Circuit impe	dance	Ω			ation resis		Po	Ma Meas	RCD	testing	Manua button o	
Circuit and Line	DB 1/2	Type of	Ref. m	으			Maximum disconnection		Туре	, R	Breaking capacity	RCD operating	permitted Zs Other		inal circui ured end-		Fig 8	All circui		Test voltage	L/L, L/N	L/E, N/E	Polarity	Max. Measured	Above 30mA	30mA or below	RCD	AFDD
No E	Circuit designation	wiring	. method	points	z z	СРС	imun	BS EN Number	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2	Ç ∞ (√)	R1R2 or R2		Voltage	M(Ω)	M(Ω)	(~)	Zs (Ω)	I∆n ms	5 l∆n ms	((√)
1/L1	SOCKET KITCHEN WALL	A	В	9	2.5	1.5	0.4	61009 RCD/	С	32	10	0	0.54	0.87	FI	FI	√	i i	N/A	250	FI	FI	✓	FI	29.3	19.3	√	N/A
2/L1	SOCKET ARMOURY	А	В	7	2.5	1.5	0.4	60898 MCB T	С	32	10	0	0.54	0.49	0.48	0.77	✓	0.54	N/A	250	100	100	√	0.49	28.6	18.7	✓	N/A
3/L1	WATER HEATER MENS CHANGING	А	В	2	2.5	1.5	0.4	60898 MCB Type C	С	16	10	0	1.09	NA	NA	NA	✓	0.37	N/A	250	100	100	✓	0.5	28.6	18.6	✓	N/A
4/L1	REDUNDANT SPUR LADIES	Α	В	1	2.5	1.5	0.4	60898 MCB T	С	16	10	0	1.09	NA	NA	NA	✓	0.1	N/A	250	100	100	✓	0.4	28.7	18.7	✓	N/A
5/L1	HANDRIER LADIES	Α	В	2	2.5	1.5	0.4	60898 MCB T	С	16	10	0	1.09	NA	NA	NA	✓	0.17	N/A	250	100	100	✓	0.35	28.6	18.6	✓	N/A
6/L1	REDUNDANT SPUR GENTS	Α	В	1	2.5	1.5	0.4	60898 MCB T	С	16	10	0	1.09	NA	NA	NA	✓	0.14	N/A	250	100	100	✓	0.41	28.6	18.6	✓	N/A
7/L1	Lights KITCHEN	А	В	2	1	1	0.4	60898 MCB T	С	10	10	0	1.75	NA	NA	NA	✓	0.71	N/A	250	100	100	✓	0.64	28.6	18.7	✓	N/A
8/L1	Lights COPY ROOM,MALE & FEMALE CHANGING	A	В	6	1	1	0.4	60898 MCB Type C	С	10	10	0	1.75	NA	NA	NA	✓	1.31	N/A	250	100	100	✓	1.06	29.8	17.8	✓	N/A
9/L1	SHOWER	Α	В	2	6	2.5	0.4	60898 MCB T	С	40	10	0	0.44	NA	NA	NA	✓	0.09	N/A	250	100	100	✓	0.31	28.7	18.8	✓	N/A
10/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
11/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
12/L1	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
																										\square		<u> </u>
																										\sqcup		<u> </u>
																										\square		<u> </u>
Details o	f circuits and/or installed e	quip	ment v	ulnera	able to	damage	when	testing	Dat	e(s) c	dead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	(s) live	testing		20/09/20)21	To	o 🗌	20/09	/2021	
ANY ELEC	CTRONIC DEVICES.																		Sig	gnature		GÃ	in					
Tested b	y: Name (capital letters)	E	ROW				P	osition Techn	ician					Date 20	0/09/202	1						JU	W					
Wiring Types. A	PVC/PVC, B PVC cables in metallic Conduit, C	PVC ca	bles in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	g, E PVC cables in non	-metallio	c trunking,	F PVC/SV	VA cables,	G SWA/XPLE	cables, H Mi	neral Insulat	ed, MW Metal	Work, FM	Ferrous Meta	al, O Other									

for Industrial/Commercial Premises







Company	Name Technical Electrical Electric	Engine	ering Lt	d t/a M	r C	ompany	y Addr	ess Wheal Kit	ty Stu	idios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		\Box
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	CHMEI	NT, MC	RESK RC	AD, TRU	IRO, CO	RNWALL						Po	stcod	le TR1	1DF			
Distributio	n board details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	l directly	Chara	acteristi	cs at this	distri	bution b	oard							umber(s)	•	
Location	MAIN CORRIDOR				_	•		e installation n board is from						Asso N/A	ciated R0	CD(if any):	BS (EN		Operating	Ab at 1 IΔn	ove 30m	ᇫᄝᅵ				28101650		\Box
Designation	DB 1/3					Sub Mains((DB 1, 1/l	L2)						Z _d 0.	56	Ω No.	of poles				A or belov	₹ I Ins				28101650		_
Num. of wa	ys 12 Num. of	phase	s 1			vercurrent rotective de	wise for	BS(EN) 60898	мсв	Туре В				I _{pf} 0.		_t Α IΔn	N/A		perating a	at 5 I∆n r	N/A ms	ु हैं				28101650		_
Supply	polarity confirmed Phase se	equence	e confirm	ed 🗸		e distribution		ТуреВ	Rati	ng 63	A	Voltag	e 230	/ Time	delay (if	applicable)	N/	Α		_				RCI	10081	28101650	691	
			CI	RCU	IT DE	TAILS													TE	ST RE	SULT	rs						
anc	Distribution board Designation	Τ _Υ	70	No.	-	onductors (mm²)	dis	Overcurrent devic		tive	Breaking capacity	RCD operating	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis		Po	Max. Measured	RCD t	testing	Manua button op	
Circuit and Line	DB 1/3	Type of wiring	Ref. method	으			Maximum disconnection		Туре	٦	aking	RCD	permitted Zs Other		inal circui ured end-		Fig 8	All circu	its to be ed using	Test	L/L, L/N	L/E, N/E	Polarity	ured	Above 30mA	30mA or below	RCD	AFDD
	Circuit designation	Wirin	etho	points	Z	CPC	timun	BS EN Number	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2	''	R1R2 or R	2, not both	voltage V	M(Ω)	M(Ω)	(~)	Zs (Ω)	I∆n ms	5 IΔn ms	(✓)	(√)
1/L2	SOCKETS QPS OFFICE	A	А	16	2.5	1.5	0.4	61009 RCD/	0	1.09	0.45	0.55	0.73	(√) √	R1 + R2 0.37	R2 N/A	250	100	100	✓	0.37	49.8	29.8	√	N/A			
2/L2	SOCKETS EQUIPMENT STORES	А	А	5											0.41	0.69	✓	0.49	N/A	250	100	100	✓	0.55	45.6	45	✓	N/A
3/L2	SOCKETS LOUNGE END OFFICE	А	А	6	2.5	1.5	0.4	60898 MCB Type B	В	20	6	N/A	1.75	NA	NA	NA	✓	0.37	N/A	250	100	100	✓	0.51	N/A	N/A	✓	N/A
4/L2	LIGHTS LOUNGE END OFFICE	А	А	5	1	1	0.4	60898 MCB Type B	В	6	6	N/A	5.82	NA	NA	NA	✓	0.87	N/A	250	100	100	✓	0.67	N/A	N/A	✓	N/A
5/L2	LIGHTS UPSTAIRS	Α	Α	12	1	1	0.4	60898 MCB T	В	6	6	N/A	5.82	NA	NA	NA	✓	1.47	N/A	250	100	100	✓	0.74	N/A	N/A	✓	N/A
6/L2	.LIGHTS QPS HALLWAY OFFICE	А	А	5	1	1	0.4	60898 MCB Type B	В	10	6	N/A	3.49	NA	NA	NA	✓	0.81	N/A	250	100	100	✓	0.3	N/A	N/A	✓	N/A
7/L2	LIGHTS EQUIPMENT STORE	А	А	4	1	1	0.4	60898 MCB Type B	В	10	6	N/A	3.49	NA	NA	NA	✓	0.67	N/A	250	100	100	✓	0.43	N/A	N/A	✓	N/A
8/L2	LIGHTS DRILL HALL	Α	Α	6	1	1	0.4	60898 MCB T	В	10	6	N/A	3.49	NA	NA	NA	✓	1.67	N/A	250	100	100	✓	0.41	N/A	N/A	✓	N/A
9/L2	Unknown	Α	Α	FI	1	1	0.4	60898 MCB T	В	10	6	N/A	3.49	NA	NA	NA	✓	FI	N/A	250	FI	FI	✓	FI	N/A	N/A	✓	N/A
10/L2	DATA CABINET	G	А	1	2.5	2.5	0.4	60898 MCB T	В	16	6	N/A	2.18	NA	NA	NA	✓	LIM	N/A	250	LIM	LIM	✓	LIM	N/A	N/A	✓	N/A
11/L2	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
12/L2	SPARE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
Details o	f circuits and/or installed	equip	ment v	ulnera	able to	damage	when	testing	Dat	e(s) o	dead t	esting	Not Sp	ecified	То	Not Spec	cified	Date	(s) live	testing		20/09/20)21	Т	o 🗍	20/09/	/2021	
ANY ELEC	TRONIC DEVICES.																	Ī	Się	gnature		DA.		_				\neg
Tested b	y: Name (capital letters)	EI	O ROWI	Ξ			Р	osition Techr	ician					Date 20	0/09/202	1		i				Pal	W_					
Wiring Types. A	PVC/PVC, B PVC cables in metallic Conduit,	C PVC ca	bles in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	ng, E PVC cables in nor	-metallio	trunking,	F PVC/SV	VA cables,	G SWA/XPLE	cables, H Mi	neral Insulat	ed, MW Metal	Work, FN	Ferrous Met	al, O Other									

for Industrial/Commercial Premises







Company	Name Technical Electrical I	Engine	ering Lt	d t/a M	r C	ompany	/ Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕ	NT, MC	RESK RC	AD, TRU	JRO, CO	RNWALL						Po	stcoc	ie TR1	1DF			
Distributio	n board details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s))	
Location	ABOVE OFFICE DOOR					_		e installation n board is from						Asso N/A	ociated R0	CD(if any):	BS (EN		Operating	_	N/A ms	<u>w</u>	Loop i	mpedanc	e 10081	28101650	691	
Designation	DB GDB1							ACF CABIN, 5/L	.1)					Z _d 6.	.75	Ω No.	of poles		porduring	_	A or below	⇒ Ins	sulation	resistanc	e 10081	28101650	691	
Num. of wa	ys 14 Num. of	phase	es 1			vercurrent		BS(EN) 60898	МСВ	Туре В				I _{pf} 0.			N/A		perating a			후ㅣ		Continuit	y 10081	28101650	691	
	polarity confirmed Phase se	•		ed 🗸		otective de e distribution		Туре В	Rati	ng 63	A	Voltage	e 230 \	; <u> </u>		applicable)		4						RCI	10081	28101650	691	
			CI	RCU	IT DE	TAILS													TE	ST RE	SULT	ΓS						
ano	Distribution board Designation	Туре	71	No.		onductors (mm²)	dis	Overcurrent devic		tive	Brea	oper	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis		Po	Max. Measur	RCD	testing	Manua button o	
Circuit and Line	DB GDB1	으	Ref. m	으			May		Туре	ړي	Breaking capacity	RCD operating	permitted Zs Other		final circui		Fig 8	All circu	its to be	Test	L/L,	L/E,	Polarity	Max. ⁄leasured	Above 30mA	30mA or below	RCD	AFDD
0 = N	Circuit designation	wiring	methoc	points	r Z	CPC	Maximum disconnection	BS EN Number	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2	(√)	R1R2 or R	2, not both	voltage	L/N M(Ω)	N/E M(Ω)	(√)	Zs (Ω)	IΔn ms	5 l∆n ms	(√)	(√)
1/L1	NEXT DOOR MIDDLE LIGHTS	A	А	10	1	1	0.4	60898 MCB Type B	В	6	6	30	5.82	NA	NA	NA	√	R1 + R2 0.56	N/A	250	100	100	√	7.04	56.9	23.9	✓	N/A
2/L1	NEXT DOOR FRONT INSIDE LIGHTS	А	А	5	1	1	0.4	60898 MCB Type B	В	6	6	30	5.82	NA	NA	NA	✓	0.86	N/A	250	92.8	92.8	✓	4.59	56.9	23.9	✓	N/A
3/L1	MAIN GARAGE LIGHTS	Α	Α	8	1	1	0.4	60898 MCB T	В	6	6	30	5.82	NA	NA	NA	✓	1.17	N/A	250	25.3	25.3	✓	7.51	56.9	23.9	✓	N/A
4/L1	OUTSIDE LIGHTS	Α	Α	3	1	1	0.4	60898 MCB T	В	6	6	30	5.82	NA	NA	NA	✓	LIM	N/A	250	20.5	20.5	✓	6.01	56.9	23.9	✓	N/A
5/L1	WORKSHOP STORE LIGHTS	А	А	3	1	1	0.4	60898 MCB Type B	В	6	6	30	5.82	NA	NA	NA	✓	0.46	N/A	250	20.6	20.6	✓	10.5	56.9	23.9	✓	N/A
6/L1	OFFICE LIGHT & FAN	Α	Α	2	1	1	0.4	60898 MCB T	В	10	6	30	3.49	NA	NA	NA	✓	0.13	N/A	250	20.6	20.6	✓	5.14	56.9	23.9	✓	N/A
7/L1	RCD Module Covering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
8/L1	RCD Module (Split board)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
9/L1	Unknown	Α	А	FI	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	FI	N/A	250	1.02	1.02	✓	FI	54.4	23.5	✓	N/A
10/L1	HEATER ABOVE WINDOW	Α	Α	1	2.5	1.5	0.4	60898 MCB T	В	20	6	30	1.75	NA	NA	NA	✓	0.1	N/A	250	100	100	✓	6.8	54.4	23.5	✓	N/A
11/L1	LARGE HEATER	Α	А	1	2.5	1.5	0.4	60898 MCB T	В	20	6	30	1.75	NA	NA	NA	✓	0.69	N/A	250	50.7	50.7	✓	7.01	54.4	23.5	✓	N/A
12/L1	HEATER + SOCKET GARAGE STORES	А	А	2	2.5	1.5	0.4	60898 MCB Type B	В	20	6	30	1.75	NA	NA	NA	✓	0.1	N/A	250	5.16	5.16	✓	6.66	54.4	23.5	✓	N/A
13/L1	LIFT	G	Α	1	2.5	2.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.32	N/A	250	100	100	✓	6.85	54.4	23.5	✓	N/A
14/L1	COMPRESSOR	G	А	1	2.5	2.5	0.4	60898 MCB T	В	20	6	30	1.75	NA	NA	NA	✓	0.21	N/A	250	100	100	✓	7.11	54.4	23.5	✓	N/A
Details o	f circuits and/or installed e	equip	ment v	ulnera	able to	damage	when	testing	Dat	te(s) o	dead t	esting	Not Sp	ecified	То	Not Spec	cified	Date	(s) live	testing		20/09/20)21	To	o	20/09/	/2021	
ANY ELEC	TRONIC DEVICES.																		Si	gnature		GAL						
Tested b	y: Name (capital letters)	E	D ROWI				Р	osition Techr	ician					Date 2	0/09/202	1						SIU	W					
Wiring Types. A	PVC/PVC, B PVC cables in metallic Conduit,	C PVC ca	ables in non-	metallic Co	onduit, D PVC	cables in met	tallic trunkin	g, E PVC cables in non	-metalli	c trunking,	F PVC/SV	VA cables,	G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	Work, FM	Ferrous Met	al, O Other									

for Industrial/Commercial Premises







Company	/ Name	Technical Electri Electric	ical Engir	eering	Ltd t/a	Mr	Compan	y Addr	'ess Wheal Kit	tty Stu	udios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX R	FCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕ	NT, MC	RESK RO	AD, TRL	JRO, CO	RNWALL						Po	stcoo	de TR1	1DF			
Distributio	n board o	letails - Complet	te in eve	ry case	,				the distribution	n boa	rd is r	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s	.)	
Location	BT OF	FICE FRONT				$\neg \neg$	•		ne installation n board is from								CD(if any):	BS (EN	1)	Operating		ove 30m	m l	Loop i	mpedano	e 10081	28101650)691	
Designation							Сирріу із з	ion ib dire							N/A Z _d 0.		Ω No.	of poles		Sperating		N/A ms		ulation			28101650		
Num. of wa		Nun	n. of pha	ses 1			Overcurrent protective de		BS(EN)						I _{pf} 1.			N/A		perating a		V/A ms	<u> </u>			'	28101650		
Supply	polarity con	firmed 🗸 Pha	se sequer	ce conf	rmed	<u>~</u>	the distributi		Туре	Rat	ing	A	Voltag	e 230 \	Time	delay (if	applicable)	N//	Α		_				RCI	10081	28101650	1691	_
				(CIRC	UIT D	ETAILS													TE	ST RE	SUL1	rs						
ano	Distribution	board Designation	Туре	7	Z.		t conductors a (mm²)	dis	Overcurrent device		ctive	Brea	oper	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis		Po	Max. Measur	RCD	testing	Manua button o	
Circuit and Line	DB 2		의		9	.		May		Туре	٦٫٣	Breaking capacity	RCD operating	permitted Zs Other		final circui		Fig 8 check		its to be ed using	Test voltage	L/L, L/N	L/E, N/E	Polarity	Max. 1easured	Above 30mA	30mA or below	RCD	AFDD
No.	Circuit des	ignation	wiring	method	politis		СРС	Maximum disconnection	BS EN Number	No.	Rating (A)	(KA)	(mA)	100% (Ω)	r1	rn	r2	♀∞ (√)	R1R2 or R	2, not both	Voltage	M(Ω)	M(Ω)	(√)	Zs (Ω)	I∆n ms	5 l∆n ms	(√)	(√)
1/L1	SOCKET	S OFFICE	A	А	4	2.5	1.5	0.4	61009 RCD/	В	32	6	0	1.37	0.3	0.26	0.37	√	0.21	N/A	250	100	100	√	0.38	14.7	5.94	√	N/A
2/L1	SHOWER	R LHS	А	А	1	6	2.5	0.4	61009 RCD/	В	32	6	0	1.37	NA	NA	NA	✓	0.4	N/A	250	100	100	✓	0.5	15	6.3	✓	N/A
3/L1	SOCKET	S BAR	А	Α	8	4	2.5	0.4	61009 RCD/	В	20	6	0	2.19	NA	NA	NA	✓	0.31	N/A	250	100	100	✓	0.92	14.2	5.2	✓	N/A
4/L1	Sub Main	s(DB 2/1)	А	Α	1	2.5	1.5	0.4	61009 RCD/	В	16	6	0	2.73	NA	NA	NA	✓	0.3	N/A	250	100	100	✓	0.64	14.1	5.86	✓	N/A
5/L1	BAR LIGI	⊣TS	А	Α	18	1	1	0.4	61009 RCD/	В	6	6	0	7.28	NA	NA	NA	✓	FI	N/A	250	FI	FI	✓	FI	14.3	5.32	✓	N/A
6/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
7/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
8/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
9/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
10/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
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		and/or installe	ed equi	pmen	vuln	erable to	o damage	when	testing	Da	te(s)	dead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	(s) live	·		20/09/20)21	To	> <u> </u>	20/09	/2021	-
ANY ELEC			_\	-D				7 -	\:a:					_						Si	gnature		Paro	,					
	-	(capital letter	′ ∟	ED RO				_	Position Techr						Date 2								· ~w						
Wiring Types. A	PVC/PVC, B	PVC cables in metallic Cor	nduit, C PVC	cables in r	on-metall	c Conduit, D F	VC cables in me	tallic trunkir	ng, E PVC cables in nor	n-metalli	c trunking	, F PVC/SV	NA cables,	G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	Work, FM	Ferrous Met	tal, O Other									

for Industrial/Commercial Premises







Client WESSEX RFCA Installation Address TRURO DETACHMENT, MORESK ROAD, TRURO, CORNWALL Postcode TR1 1DF	<u> </u>
Location BT OFFICE FRONT Designation DB 3 Designation DB 4 Designation Designation Designation DB 4 Designation DB 4 Designation Designation DB 4 Designation DB 4 Designation Designation Design	_
Location BT OFFICE FRONT Designation DB 3 Supply to distribution board is from Designation DB 3 Supply polarity confirmed V Phase sequence confirmed V Phase sequ	
Designation DB 3 DB 3 DESignation DB 3 DB 3 DESignation	
Num. of ways 6	
Circuit designation Phase sequence confirmed Phase sequence confirme	-
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S Circuit designation S S Circuit designation S S Circuit designation S S S Circuit designation S S S Circuit designation S S S S Circuit designation S S S S S Circuit designation S S S Circuit designation S S S S Circuit designation S S S S Circuit designation S S S S S S S S S	
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S Circuit designation S Circuit des	AFDD
1/L1 Sub Mains(DB 3/1) A A 1 6 2.5 0.4 60898 MCB T B 40 6 N/A 1.09 0.3 0.26 0.37 \$\sqrt{10.09}\$ 0.39 N/A 250 100 100 \$\sqrt{10.09}\$ 0.67 N/A N/A \$\sqrt{10.09}\$ 0.75 18.3 18.4 \$\sqrt{10.09}\$	(✓)
Z/L1 ROOM A A 1 6 2.5 0.4 RCD/RCBO B 32 6 0 1.37 NA NA V 0.28 N/A 250 100 100 V 0.75 18.3 18.4 V	N/A
3/L1 SOCKETS HIGH LEVEL A A 5 4 2.5 0.4 61009 RCD/ B 16 6 0 2.73 NA NA NA V 0.56 N/A 250 100 100 V 0.62 17.6 16.9 V	N/A
	N/A
4/L1 OFFICE LIGHTS A A 4 1 1 0.4 61009 RCD/ B 6 6 0 7.28 NA NA NA V 0.87 N/A 250 100 100 ✓ 1.37 17.8 16.9 ✓	N/A
5/L1 SPARE NA	N/A
6/L1 SPARE NA	N/A
	_
Details of circuits and/or installed equipment vulnerable to damage when testing Date(s) dead testing Not Specified To Not Specified Date(s) live testing 20/09/2021 To 20/09/2021	-
ANY ELECTRONIC DEVICES. Tested by: Name (capital letters)	
Tested by: Name (capital letters) ED ROWE Position Technician Date 20/09/2021 Wiring Types. A PVC/PVC, B PVC cables in metallic Conduit, C PVC cables in non-metallic Conduit, D PVC cables in non-metallic trunking, F PVC/SWA cables, G SWA/XPLE cables, H Mineral Insulated, MW Metal Work, FM Ferrous Metal, O Other	

for Industrial/Commercial Premises







Compan	y Name	Technical Electrical E	ngine	ering Lt	d t/a M	r C	ompany	/ Addr	ess Wheal Kit	ty Stu	idios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client	/ESSEX	RFCA					Installa	tion A	ddress , TR	URO	DETA	CHME	NT, MC	RESK RO	AD, TRU	RO, CO	RNWALL						Po	stcoc	le TR1	1DF			
Distributi	n board	details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	l directly	Char	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s)	
Location	GYM	1 TOILET				_	•		e installation n board is from						Asso N/A	ciated R0	CD(if any):	BS (EN	l)	Operating	Ab at 1 l∆n	ove 30m	、 ≝				28101650		
Designation	n DB 3	8/1					Sub Mains(Z _d 0.	33	Ω No.	of poles		7,001411119	_	A or belov		ulation	resistano		28101650		
Num. of w	ays 10	Num. of	phase	s 1			vercurrent rotective de	vice for	BS(EN) 60898	MCB	Туре В				I _{pf} 0.	588 k		N/A		perating a	at 5 l∆n n	N/A ms	, <u>e</u>		Continuit	'	28101650		
Supply	polarity co	onfirmed Phase se	quence	confirm	ed 🗸		e distribution		ТуреВ	Rati	ng 6	A	Voltag	e 230 V	Time	delay (if a	applicable)	N//	4		_				RCI	10081	28101650	1691	
				CII	RCU	IT DE	TAILS													TE	ST RE	SULT	ſS						
ano	Distributi	on board Designation	Туре	77	z		onductors (mm²)	dis	Overcurrent device		tive	Bre	oper	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis		Po	Meas Meas	RCD	testing	Manu button c	al test
Circu Lin	DB 3/1		pe of	Ref. n	No. of	- 554		Ma	40710	Туре	ر ٦	Breaking capacity	RCD operating	permitted Zs Other		inal circui		Fig 8 check	All circu		Test	L/L,	L/E,	Polarity	Max. ⁄leasured	Above 30mA	30mA or below	RCD	AFDD
Circuit No. and Line No.	Circuit de	esignation	of wiring	method	points	Z Z	СРС	Maximum sconnection	BS EN Number	oe No	Rating (A)	(KA)	(mA)	100% (Ω)	r1	ured end-	r2		R1R2 or R	2, not both	voltage	L/N M(O)	N/E M(Ω)	(√)	Zs (Ω)	IΔn ms	5 IΔn	(√)	(<)
1/L1		HEATER & GYM	A	A		2.5	1.5	0.4	61009	C	16	6	0	1.37	NA	NA	NA	(√) √	R1 + R2 0.35	R2 N/A	250	M(Ω)	100	✓	0.49	5.19	5.19	√	N/A
2/L1	SOCKE		A	A	4	2.5	1.5	0.4	RCD/RCBO 61009 RCD/	С	32	6	0	0.68	0.21	0.21	0.34	✓	0.27	N/A	250	100	100	✓	0.39	7.79	8.39	√	N/A
3/L1		S WC AREA	Α	А	8	1	1	0.4	61009 RCD/	С	6	6	0	3.64	NA	NA	NA	√	0.98	N/A	250	100	100	✓	0.87	7.9	8.19	√	N/A
4/L1	HAND [DRIER	A	А	2	2.5	1.5	0.4	61009 RCD/	С	16	6	0	1.37	NA	NA	NA	√	0.31	N/A	250	100	100	✓	0.5	6.5	6.1	✓	N/A
5/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
6/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
7/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
8/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
9/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
10/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
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		ts and/or installed e	quipr	nent v	uinera	adie to	amage	wnen	testing	⊔at	e(s) (iead t	esting	Not Spe	ecitied	To _	Not Spec	ottled	Date	` '	testing		20/09/20)21	To	D	20/09	/2021	=
		DEVICES. le (capital letters)	Er) ROWE	<u> </u>] р	osition Techn	ician					Data O	2/00/202	4]	SI	gnature		Gau	0					
	-	B PVC cables in metallic Conduit, C				onduit. D PV/	cables in met	_			trunking	F PVC/SV	/A cables		Date 20			Work FM	Ferrous Met	al. O Other									=

for Industrial/Commercial Premises







Company	Name Tecl	hnical Electrical E	Engine	ering Lt	d t/a M	r C	ompany	y Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX RFCA						Installa	tion A	ddress , TR	URO	DETA	CHME	NT, MC	RESK RO	AD, TRU	IRO, CO	RNWALL						Po	stcoc	le TR1	1DF			
Distributio	n board detai	ls - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	directly	Chara	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s)	
Location	ABOVE OF	FICE DOOR				_	•		e installation n board is from							ciated R0	D(if any):	BS (EN		Operating		oove 30m/	ا س	Loop i	mpedano	e 10081	28101650	691	
Designation	DB GDB2								ACF CABIN, 5/L	.1)					N/A Z _d 6.	21 (Ω No. o	of poles		porating	_	N/A ms	₹ I Ins	ulation	resistano	e 10081	28101650	691	
Num. of wa		Num. of	phase	S 1			vercurrent		BS(EN) 60898	MCB	Туре В				I _{pf} 0.			N/A		perating a			흥ㅣ		Continuit	y 10081	28101650	691	
	polarity confirme		•	<u>.</u>	ed 🗸		rotective de le distribution		Туре В	Rati	ng 63	A	Voltag	e 230 \	: I -		applicable)	N/A							RCI	10081	28101650	1691	
				CI	RCU	IT DE	TAILS													TE	ST RE	SULT	rs						
anc	Distribution boar	rd Designation	Type	, z	No.		onductors (mm²)	disı	Overcurrent device		tive	Breaking capacity	RCD operating	BS 7671 Max.		C	ircuit impe	dance	Ω			ation resis		Po	Max. Measur	RCD	testing	Manua button o	
Circuit and Line	DB GDB2		으	Ref. m	으			May		Туре	l R	king	RCD	permitted Zs Other		inal circui ured end-		Fig 8	All circu		Test	L/L, L/N	L/E, N/E	Polarity	Max. leasured	Above 30mA	30mA or below	RCD	AFDD
No E	Circuit designati	on	wiring	method	points	z z	СРС	Maximum disconnection	BS EN Number	No No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2		R1R2 or R	2, not both	voltage	M(Ω)	M(Ω)	(~)	Zs (Ω)	l∆n ms	5 IΔn ms	(√)	(√)
1/L1	HEATER BEL	.OW	A	А	1	2.5	1.5	0.4	60898 MCB T	ri-	20	6	30	1.75	NA	NA	NA	<u>(√)</u>	R1 + R2 0.25	R2 N/A	250	80.5	80.5	√	5.78	45.2	12.2	√	N/A
2/L1	SOCKET ADJ BLOWER	+ GAS	A	А	2	2.5	1.5	0.4	60898 MCB Type B	В	20	6	30	1.75	NA	NA	NA	✓	0.67	N/A	250	85.3	85.3	✓	5.98	45.2	12.2	✓	N/A
3/L1	SOCKETS OF	FICE	Α	А	6	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.46	N/A	250	100	100	✓	5.89	45.2	12.2	✓	N/A
4/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
5/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
6/L1	RCD Module (Covering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
7/L1	RCD Module ((Split board)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
8/L1	SOCKETS LA AREA	RGE VEHICLE	F	А	7	6	2.5	0.4	60898 MCB Type B	В	20	6	30	1.75	NA	NA	NA	✓	0.18	N/A	250	163	163	✓	5.61	44.7	13.6	✓	N/A
9/L1	EXTERNAL LI OVERRIDE	IGHTS	А	А	1	2.5	1.5	0.4	60898 MCB Type B	В	16	6	30	2.18	NA	NA	NA	✓	0.11	N/A	250	0.77	0.77	✓	5.76	44.7	13.6	✓	N/A
10/L1	STORES WA	TER HEATER	Α	Α	1	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.26	N/A	250	100	100	✓	5.75	44.7	13.6	✓	N/A
11/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
12/L1	SPARE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
Details o	f circuits and	d/or installed e	quipr	ment v	ulnera	able to	damage	when	testing	Dat	te(s) o	dead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	(s) live	testing		20/09/20)21	To	0	20/09	/2021	一
ANY ELEC	TRONIC DEV	ICES.									. ,									Siç	gnature		20						一
Tested b	y: Name (ca	pital letters)	E	O ROW				Р	osition Techr	nician				I	Date 20	0/09/202	1					L	M	0					
Wiring Types. A	PVC/PVC, B PVC ca	bles in metallic Conduit, C	PVC cal	bles in non-	metallic Co	onduit, D PV0	cables in me	tallic trunkin	g, E PVC cables in nor	n-metallio	c trunking.	F PVC/SV	VA cables,	G SWA/XPLE	cables, H Mi	neral Insulate	ed, MW Metal	Work, FM	Ferrous Met	al, O Other									\Box

for Industrial/Commercial Premises

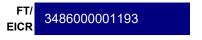






Company	Technical Electrical E Electric	ngine	ering Lt	d t/a M	r C	ompan	y Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	ORD		Bran	ch No.				Schem	e No.	019875		\Box
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	CHMEI	NT, MC	RESK RO	AD, TRU	IRO, CO	RNWALL						Po	stcoc	le TR1	1DF			
Distributio	n board details - Complete in	every	case					the distribution	ı boa	rd is n	ot con	nected	directly	Chara	acteristi	cs at this	distri	bution b	oard			Te	st inst	ument s	serial n	umber(s)	
Location	CLEANING CUPBOARD				_			e installation n board is from						Asso 6100		D(if any):	BS (EN		Operating		oove 30m/	ᇫᄬᅵ				28101650		
Designation	DB 1 1 1 ACF CABIN					,								Z _d 0.		Ω No. o	of poles				A or belov	≕ I Ins				28101650		_
Num. of wa	ys 12 Num. of	phase	s 1			vercurrent otective de	wice for	BS(EN)						l _{pf} 1.		_A IΔn	30	0	perating a	at 5 l∆n	29.2 ms	, <u>e</u>			1	28101650		_
Supply	polarity confirmed Phase se	quence	confirm	ed 🗸		e distributi		Туре	Rati	ng	A	Voltag	230 V	Time	delay (if a	applicable)	N/	4		_				RCI	10081	28101650	691	
			CI	RCU	IT DE	ΓAILS													TE	ST RE	SULT	S						
ano	Distribution board Designation	Ту	77	N _O		onductors (mm²)	dis	Overcurrent device		tive	Breaking capacity	oper	BS 7671 Max.		С	ircuit impe	dance	Ω			ation resis		Po	Max. Measured	RCD	testing	Manua button o	
Circuit and Line	DB 1 1 1 ACF CABIN	Type of	Ref. n	9,			Maximum disconnection		Туре	, ,	aking	RCD operating	permitted Zs Other		inal circui		Fig 8	All circui		Test	L/L,	L/E,	Polarity	ax. sured	Above 30mA	30mA or below	RCD	AFDD
e ∺ No	Circuit designation	f wiring	method	points	L X	СРС	kimur ectio	BS EN	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	ured end-	r2		R1R2 or R2	2, not both	voltage	L/N	N/E	(√)	Zs (Ω)	IΔn	5 l∆n	(_V)	(√)
1/L1	Lights CLASSROOM	A	A	4	1	1	0.4	Number 60898 MCB T	·	6	6	30	5.82	NA	NA	NA NA	<u>(√)</u>	R1 + R2 1.25	R2 N/A	250	M(Ω)	M(Ω)	√	7.46	ms 42.2	ms 29.2	√	N/A
2/L1	Lights FRONT SIDE	A	Α	7	1	1	0.4	60898 MCB T		6	6	30	5.82	NA	NA	NA	√	1.3	N/A	250	100	100	√	1.52	42.2	29.2	√	N/A
3/L1	Lights BACK END	Α	А	8	1	1	0.4	60898 MCB T	В	6	6	30	5.82	NA	NA	NA	✓	1.45	N/A	250	100	100	✓	1.8	42.2	29.2	✓	N/A
4/L1	WATER HEATER	Α	А	1	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.15	N/A	250	100	100	✓	0.8	42.2	29.2	✓	N/A
5/L1	LHS 3RD + 2ND HEATER CLASSROOM 2	А	А	2	2.5	1.5	0.4	60898 MCB Type B	В	16	6	30	2.18	NA	NA	NA	✓	0.58	N/A	250	100	100	✓	1.15	42.2	29.2	✓	N/A
6/L1	KITCHEN SOCKET + CLASS ONE RHS GHEATER	А	А	2	4	2.5	0.4	60898 MCB Type B	В	32	6	30	1.09	NA	NA	NA	✓	0.34	N/A	250	100	100	✓	0.84	42.2	29.2	✓	N/A
7/L1	OFFICE SOCKET + HEATER	Α	А	2	4	2.5	0.4	60898 MCB T	В	32	6	30	1.09	NA	NA	NA	✓	0.23	N/A	250	100	100	✓	0.66	42.2	29.2	✓	N/A
8/L1	LHS 2ND HEATER + HEATER OPPOSITE CLASSROOM + SOCKET	Α	А	3	4	2.5	0.4	60898 MCB Type B	В	32	6	30	1.09	NA	NA	NA	✓	0.61	N/A	250	100	100	✓	0.94	42.2	29.2	✓	N/A
9/L1	1ST HEATER LHS + SOCKET BELOW	Α	А	2	4	2.5	0.4	60898 MCB Type B	В	32	6	30	1.09	NA	NA	NA	✓	0.37	N/A	250	100	100	✓	0.76	42.2	29.2	✓	N/A
10/L1	4TH HEATER LHS, SOCKET BELOW + ADJ CLASSROOM 2	А	A	3	4	2.5	0.4	60898 MCB Type B	В	32	6	30	1.09	NA	NA	NA	✓	0.69	N/A	250	100	100	✓	1.05	42.2	29.2	✓	N/A
11/L1	HANDRIER LADIES	А	А	1	2.5	1.5	0.4	60898 MCB T	В	20	6	30	1.75	NA	NA	NA	✓	0.19	N/A	250	100	100	✓	0.76	42.2	29.2	✓	N/A
12/L1	HANDRIER GENTS	Α	А	1	2.5	1.5	0.4	60898 MCB T	В	20	6	30	1.75	NA	NA	NA	✓	0.18	N/A	250	100	100	✓	1.03	42.2	29.2	✓	N/A
Details o	f circuits and/or installed e	quip	nent v	ulnera	able to	damage	when	testing	Dat	e(s) c	dead t	esting	Not Spe	ecified	То	Not Spec	ified	Date	(s) live	testing		20/09/20)21	To		20/09	/2021	\neg
ANY ELEC	CTRONIC DEVICES.																	j	Się	gnature		DA						\neg
Tested b	y: Name (capital letters)	E	ROW				Р	osition Techn	nician					Date 20	0/09/202	1		i				Pai	Ø					
Wiring Types. A	PVC/PVC, B PVC cables in metallic Conduit, C	PVC ca	bles in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	g, E PVC cables in non	n-metalli	c trunking,	F PVC/SV	VA cables,			neral Insulate	ed, MW Metal	Nork, FN	Ferrous Meta	al, O Other									$\overline{}$

for Industrial/Commercial Premises







Company	V Name Technical Electric	al Engin	eering L	td t/a N	1r C	ompan	y Addr	ess Wheal Kit	ty Stu	udios					Postco	de TR5	0RD		Bran	ch No.				Schem	ie No.	019875		
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕ	NT, MC	DRESK RC	AD, TRU	JRO, CO	RNWALL						Po	stcoc	le TR1	1DF			
Distributio	n board details - Complete	in ever	y case					the distribution	ı boa	rd is r	not con	nected	d directly	Char	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s)	
Location	KITCHEN				_	_	•	e installation n board is from						Asso N/A	ociated R0	CD(if any):	BS (EN		Operating		N/A ms	<u> </u>	Loop i	mpedano	e 10081	128101650	691	
Designation	DB 1/5					Sub Mains								Z _d 0.	.38	Ω No.	of poles		operating	_	A or below	⇒ Ins	sulation	resistano		128101650		
Num. of wa	ys 12 Num.	of phas	es 1			vercurrent		BS(EN) 60898	МСВ	Туре В	}			I _{pf} 0.			N/A		perating			ᇎᅵ		Continuit	<i>'</i>	128101650		
		sequen	ce confirr	ned 🗸		rotective de ne distributi		ТуреВ	Rati	ing 63	A	Voltag	230 \	Time	delay (if	applicable)	N/	A		_				RC	10081 ם	128101650	1691	
			C	RCU	IT DE	TAILS													TE	ST RE	SULT	rs						
ano	Distribution board Designation	Туре	77	No.		onductors (mm²)	dis	Overcurrent device		ctive	Breaking capacity	oper	BS 7671 Max.		C	Circuit impe	edance	Ω			ation resis		Po	Meas	RCD	testing	Manu button c	al test peration
Circuit and Line	DB 1/5	의	Ref. m	9,			May		Туре	ري ر	aking	RCD	permitted Zs Other		final circui		Fig 8		uits to be	Test	L/L,	L/E,	Polarity	Max. Measured	Above 30mA	30mA or below	RCD	AFDD
e ii No	Circuit designation	wiring	method	points	L Z	CPC	Maximum sconnection	BS EN Number	e No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2		R1R2 or R	R2, not both	voltage V	L/N M(Ω)	N/E M(Ω)	(√)	Zs (Ω)	IΔn ms	5 IΔn ms	· (√)	(√)
1/L3	?	A	А	1	4	2.5	0.4	60898 MCB T	ا	32	6	0	1.09	NA	NA	NA	(√) √	R1 + R2	R2 N/A	250	100	100	✓	FI	49	23.3	√	N/A
2/L3	DRYER & EXTRACT	А	А	3	2.5	1.5	0.4	60898 MCB T	В	20	6	0	1.75	NA	NA	NA	√	0.42	N/A	250	100	100	√	1.19	49	23.3	✓	N/A
3/L3	POTATO PEELER	А	А	1	2.5	1.5	0.4	60898 MCB T	В	20	6	0	1.75	NA	NA	NA	√	0.32	N/A	250	100	100	√	0.67	49	23.3	✓	N/A
4/L3	WATER HEATER + LHS 20. SWITCH	A	А	3	2.5	1.5	0.4	60898 MCB Type B	В	20	6	0	1.75	NA	NA	NA	✓	0.19	N/A	250	100	100	✓	0.65	49	23.3	✓	N/A
5/L3	Lights STORE + OUTSIDE	Α	Α	6	1.5	1	0.4	60898 MCB T	В	10	6	0	3.49	NA	NA	NA	✓	0.64	N/A	250	100	100	✓	0.94	49	23.3	✓	N/A
6/L3	RCD Module Covering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
7/L3	RCD Module (Split board)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N/A	NA	NA	NA	NA	NA	N/A	NA	NA	NA	N/A	N/A
8/L3	SOCKETS KITCHEN	А	Α	5	2.5	1.5	0.4	60898 MCB T	В	32	6	0	1.09	0.29	0.29	0.48	✓	0.38	N/A	250	0.26	0.26	✓	0.53	45.2	23.4	✓	N/A
9/L3	WALL HEATER	А	Α	1	2.5	1.5	0.4	60898 MCB T	В	20	6	0	1.75	NA	NA	NA	✓	0.31	N/A	250	100	100	✓	0.73	45.2	23.4	✓	N/A
10/L3	WATER BOILER	А	Α	1	2.5	1.5	0.4	60898 MCB T	В	20	6	0	1.75	NA	NA	NA	✓	0.12	N/A	250	100	100	✓	0.7	45.2	23.4	✓	N/A
11/L3	ACCESS CONTROL SUPP	_Y A	Α	1	2.5	1.5	0.4	60898 MCB T	В	20	6	0	1.75	NA	NA	NA	✓	0.03	N/A	250	100	100	✓	0.52	45.2	23.4	✓	N/A
12/L3	Lights	Α	Α	13	1	1	0.4	60898 MCB T	В	10	6	0	3.49	NA	NA	NA	✓	1.01	N/A	250	100	100	✓	0.64	45.2	23.4	✓	N/A
																									\perp			
		\perp																							$oxed{oxed}$			
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		\perp																										
Details o	f circuits and/or installe	d equip	ment	/ulner	able to	damage	when	testing	Dat	te(s)	dead t	esting	Not Sp	ecified	То	Not Spec	cified	Date	e(s) live	testing		20/09/20)21	T	。 <u> </u>	20/09	/2021	
ANY ELEC	TRONIC DEVICES.																		Si	gnature		aw		-				
Tested b	y: Name (capital letters	E	D ROW	Έ			F	osition Techr	nician					Date 2	0/09/202	1]				w						
Wiring Types. A	PVC/PVC, B PVC cables in metallic Cond	uit, C PVC	cables in nor	-metallic C	Conduit, D PVC	C cables in me	etallic trunkir	ng, E PVC cables in nor	n-metalli	c trunking	, F PVC/SV	NA cables,	, G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	Work, FN	Ferrous Met	tal, O Other									









Compan	y Name Technical Electric	ical Engin	eering Lt	d t/a M	r C	ompan	y Addr	ess Wheal Kit	ty Stu	ıdios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client V	/ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	CHMEN	NT, MC	RESK RC	AD, TRU	JRO, CO	RNWALL						Po	stcod	le TR1	1DF			
Distribution	on board details - Comple	te in ever	y case					the distribution e installation	1 boa	rd is n	ot con	nected	directly			cs at this			ooard	۸۲	ove 30m/			rument				\equiv
Location	CLEANING CUPBOARD				s	Supply to d	istributior	n board is from						_ 610		OD(II arry).	DO (LI	'	Operating	at 1 I∆n	12.2 ms	νēΙ		mpedano				-
Designatio	n DB 1 1 2 ACF CABIN													Z _d 0.	.61	Ω No.	of poles			_	A or belov	= Ins		resistano				_
Num. of wa	ays 1 Nur	n. of phas	es 1			vercurrent	wiee for	BS(EN)						I _{pf} 1.	.65 I	_{κΑ} IΔn	30		perating	at 5 l∆n [2	29.2 ms	, <u>ĕ</u>		Continuit	1			_
Supply	polarity confirmed Pha	se sequen	ce confirm	ied 🗸		e distributi		Туре	Ratii	ng	A	Voltage	230	/ Time	delay (if	applicable)) N/.	A						RCI	10081	28101650)691	
			CI	RCU	T DE														TE	ST RE								
Circuit No. and Line No.	Distribution board Designation	, 🕺	70	No.		onductors (mm²)	dis	Overcurrent devic		tive	Breaking capacity	RCD operating	BS 7671 Max.		(Circuit impe	edance	Ω			ation resis d lower re		Po	Max. Measured	RCD	testing	Manua button o	
Lir Circu	DB 1 1 2 ACF CABIN		Ref. r	º			Con			70	aking	ating	permitted Zs Other		final circu		유교		uits to be	Test	L/L,	L/E,	Polarity	ax.	Above 30mA	30mA or below	RCD	AFDD
ō ≒ Z Z	Circuit designation	Type of wiring	method	of points		СРС	Maximum disconnection	BS EN	Type N	Rating (A)			80%		ured end-	T	Fig 8 check	R1R2 or F	ted using R2, not both	voltage	L/N	N/E	١, ,	Zs	IΔn	5 I∆n		
<u> </u>	Circuit designation	ng	8	l ts	ž	č	유출	Number	No.		(KA)	(mA)	(Ω)	r1	rn	r2	(√)	R1 + R2	R2	V	M(Ω)	M(Ω)	(√)	(Ω)	ms	ms	(√)	(~)
1/L1	OUTSIDE LIGHTS	Α	Α	2	1	1	0.4	60898 MCB T	В	6	6	N/A	5.82	NA	NA	NA	✓	0.93	N/A	250	100	100	✓	1.02	N/A	N/A	✓	N/A
		_	+																							\vdash	$\vdash\vdash\vdash$	
		_		-										-									-				$\vdash\vdash\vdash$	
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			+																									
Details o	f circuits and/or install	ed equir	ment v	ulner	able to	damage	when	testina	Dat	e(s) c	lead to	estina	Not Sp	ecified	То	Not Spec	cified	Date	e(s) live	testing		20/09/20)21	To		20/0!	9/2021	\neg
	CTRONIC DEVICES.									-(-)		19							` '	gnature								=
Tested b	y: Name (capital letter	s) E	D ROW	E			Р	osition Techr	nician					Date 2	0/09/202	:1		i			4	ao						
Wiring Types.	A PVC/PVC, B PVC cables in metallic Co	nduit, C PVC	ables in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	g, E PVC cables in non	n-metallic	trunking,	F PVC/SV	/A cables,		_			Work, FN	l Ferrous Me	tal, O Other									

for Industrial/Commercial Premises







Compan	y Nam	e Technical E	Electrical E	Engine	ering Ltd	d t/a Mi	C	ompany	y Addr	ess Wheal Kit	ty Stu	dios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		
Client [V	/ESSEX	RFCA						Installa	tion A	ddress , TR	URO	DETA	CHME	NT, MC	RESK RO	AD, TRL	JRO, CO	RNWALL						Ро	stcoc	le TR1	1DF			
Distribution	n boar	d details - Co	mplete in	every	case					the distribution	boa	rd is n	ot con	nected	directly	Char	acteristi	cs at this	distri	bution b	oard			Tes	st inst	rument s	serial n	umber(s)	
Location	CLE	EANING CUPBO	DARD					•		e installation n board is from						Asso 6100		CD(if any):	BS (EN	1)	Operating	Al at 1 IΔn	oove 30m. 42.2 m:	ຸ <u>ອ</u> ັ∣				28101650		
Designation	n DB	2/1						Sub Mains(Z _d 0.		Ω No.	of poles		oporag	_	A or below	- Ins	ulation			28101650		_
Num. of wa	ıys 4		Num. of	phase	s 1			vercurrent otective de	vice for	BS(EN)						I _{pf} 1.	65 k	A IΔn	30		perating	at 5 l∆n	29.2 ms	, <u>e</u>		Continuity		28101650		-
Supply	polarity of	confirmed 🗸	Phase se	equence	confirm	ed 🗸		e distribution		Туре	Ratir	ng	A	Voltage	e 230 \	/ Time	delay (if	applicable)	N//	A						RCE	10081	28101650	1691	
					CII	RCU	IT DE	ΓAILS													TE	ST RE	SULT	rs						
anc	Distribut	tion board Desig	nation	Туре	70	No.		onductors (mm²)	dis	Overcurrent p		tive	Brea cap	oper	BS 7671 Max.		C	ircuit impe	edance	Ω			ation resis		Ро	Ma Meas	RCD	testing	Manua button o	
Dircu Lin	DB 2/1			of of	Ref. m	으			May		Туре	٦٫	Breaking capacity	RCD operating	permitted Zs Other		final circui ured end-		Fig 8	All circu	uits to be ted using	Test	L/L,	L/E,	Polarity	Max. /leasured	Above 30mA	30mA or below	RCD	AFDD
Circuit No. and Line No.	Circuit o	lesignation		of wiring	method	points	r Z	СРС	Maximum sconnection	BS EN Number	ĕ No	Rating (A)	(KA)	(mA)	80% (Ω)	r1	rn	r2	Ç∞ (√)	R1R2 or R	R2, not both	voltage	L/N M(Ω)	N/E M(Ω)	(√)	Zs (Ω)	l∆n ms	5 IΔn ms	· (</td <td>(√)</td>	(√)
1/L1	SOCK	ET BELOW		A	А		2.5	1.5	0.4	60898 MCB T		16	6	N/A	2.18	NA	NA	NA	√	0.03	N/A	250	100	100	√	0.36	N/A	N/A	✓	N/A
2/L1	Lights	+ BOILER		Α	А	3	1	1	0.4	60898 MCB T	В	6	6	N/A	5.82	NA	NA	NA	✓	0.54	N/A	250	100	100	✓	0.71	N/A	N/A	√	N/A
3/L1	GAS V	ALVE		0	А	1	1.5	1.5	0.4	60898 MCB T	В	6	6	N/A	5.82	NA	NA	NA	✓	0.21	N/A	250	100	100	✓	0.36	N/A	N/A	✓	N/A
4/L1	Fire Al	arm		0	А	1	1.5	1.5	0.4	60898 MCB T	В	6	6	N/A	5.82	NA	NA	NA	✓	0.18	N/A	250	100	100	✓	0.41	N/A	N/A	✓	N/A
Details o	f circu	its and/or in	stalled e	quipr	nent v	ulnera	able to	damage	when	testing	Dat	e(s) c	lead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	e(s) live	testing		20/09/20	21	To		20/09	/2021	
ANY ELEC	CTRON	IC DEVICES.																			Si	gnature		A	•					
Tested b	y: Nar	ne (capital l	etters)	E	ROWE				P	osition Techn	ician					Date 2	0/09/202	1		j			4	aw						
Wiring Types.	PVC/PVC	, B PVC cables in me	tallic Conduit, C	PVC cal	bles in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	ng, E PVC cables in non	-metallic	trunking,	F PVC/SV	VA cables,	G SWA/XPLE	cables, H M	ineral Insulat	ed, MW Metal	Work, FM	Ferrous Met	tal, O Other									









Compan	y Name Technic Electric	al Electrical	Engine	ering Ltd	d t/a M	r C	ompany	y Addr	ess Wheal Kit	ty Stu	dios					Postco	de TR5	0RD		Bran	ch No.				Schem	e No.	019875		\Box
Client V	/ESSEX RFCA						Installa	tion A	ddress , TR	URO	DETA	CHMEN	IT, MO	RESK RC	AD, TRU	JRO, CO	RNWALL	-					Po	stcod	le TR1	1DF			
Distribution	on board details -	Complete in	every	case					the distribution e installation	n boa	rd is n	ot con	nected	directly			ics at this			ooard	ΔͰ	ove 30m/			rument s			<u> </u>	
Location	PAY OFFICE C	UPBOARD					Supply to di	istributior	n board is from						6100		OD(II ally).	DO (LI	'	Operating	at 1 I∆n	12.2 ms	、		•				=
Designatio	n DB SW FUSE 4														Z _d 0.	.61	Ω No.	of poles	2		30m	A or belov	v licat Ins		resistano				
Num. of wa	ays 1	Num. o	f phase	s 1			vercurrent otective de	vice for	BS(EN)						I _{pf} 1.	.65 I	_K A IΔn	30		Operating	at 5 l∆n [₂	29.2 ms	, ē		Continuit	1			
Supply	polarity confirmed [✔ Phase s	equence	confirm	ed 🗸		e distribution		Туре	Ratii	ng	A	Voltage	e 230 \	/ Time	delay (if	applicable)) N/.	A						RCI	10081	28101650	1691	
				CII	RCU	T DE	ΓAILS													TE	ST RE								
Circuit No. and Line No.	Distribution board De	esignation	J ₹	Ref.	 <u>R</u> !		onductors (mm²)	Maximum disconnection	Overcurrent devic		tive	Breaking capacity	RCD operating	BS 7671 Max. permitted		(Circuit impe	edance	Ω			ation resis d lower re		Polarity	Max. Measured	RCD	testing	Manua button o	peration
ircuit	DB SW FUSE 4		Type of wiring	ef. me	of p			Maxi		Туре	Rating (A)	king	ting	Zs Other		final circu ured end-		Fig 8	comple	uits to be ted using	Test voltage	L/L, L/N	L/E, N/E	arity	red_	Above 30mA	30mA or below	RCD	AFDD
NO PO	Circuit designation		viring	method	of points	Z Z	СРС	mum	BS EN Number	No.	ting	(KA)	(mA)	80% (Ω)	r1	rn	r2	(/)	R1R2 or F	R2, not both	V	M(Ω)	Μ(Ω)	(√)	Zs (Ω)	l∆n ms	5 l∆n ms	(√)	(_V)
1/L1	Sub Mains(DB 4/1	1)	G	А	1	16	10	0.4	88-2 Fuse H	gG	100	6	N/A	3.72	NA	NA	NA	✓	0.23	N/A	250	100	100	✓	0.4	N/A	N/A	✓	N/A
Details o	f circuits and/or	installed	eauipr	nent v	ulnera	able to	damage	when	testing	Dat	e(s) c	lead te	estina	Not Sp	ecified	То	Not Spec	cified	Date	e(s) live	testing		20/09/20)21			20/09	9/2021	\neg
	CTRONIC DEVICE		- 4						29		-(5)		- J9							` '	gnature		_						一
Tested b	y: Name (capita	al letters)	Εſ	ROWE				Р	osition Techr	nician					Date 2	0/09/202	!1		j			Le	M	W					
Wiring Types.	A PVC/PVC, B PVC cables in	n metallic Conduit,	C PVC cal	bles in non-	metallic Co	onduit, D PVC	cables in me	tallic trunkin	g, E PVC cables in nor	n-metallic	trunking,	F PVC/SW	A cables,	G SWA/XPLE	cables, H M	ineral Insulat	ted, MW Metal	l Work, FN	Ferrous Me	tal, O Other									

for Industrial/Commercial Premises







Company	/ Name Technical Electrical E	ngine	ering Lt	d t/a M	r C	ompan	y Addr	ess Wheal Kit	ty Stu	udios				i	Postco	de TR5	ORD		Bran	ch No.				Schem	e No.	019875		
Client W	ESSEX RFCA					Installa	tion A	ddress , TR	URO	DETA	СНМЕІ	NT, MC	RESK RO	AD, TRU	IRO, CO	RNWALL						Po	stco	le TR1	1DF			
Distributio	n board details - Complete in	every	case					the distribution	n boa	rd is r	ot con	nected	directly	Chara	acteristi	cs at this	distri	bution b	oard			Te	st inst	rument	serial n	umber(s)	
Location	CLEANING CUPBOARD				_			e installation n board is from						Asso 6100		CD(if any):	BS (EN		Operating	_	ove 30m/	<u>w</u>	Loop i	mpedanc	e 10081	28101650	691	
Designation	DB 4/1					Sub Mains	DB SW	FUSE 4, 1/L1)						Z _d 0.		Ω No. o	of poles		7	_	A or below	⇒ I Ins	sulation			28101650		
Num. of wa	ys 12 Num. of	phase	s 1			vercurrent rotective de	vice for	BS(EN) 1 BS	-					l _{pf} 1.		A I∆n	30	C	perating a	at 5 I∆n 2	9.2 ms	, <u>ë</u>			1	28101650		_
Supply	polarity confirmed Phase se	quence	e confirm	ed 🗸		ne distributi		Type mG	Rati	ing 100	A	Voltag	e 400/23 \	/ Time	delay (if a	applicable)	N/A	4						KCI	0 10061	28101650	091	
			CI	RCU	IT DE	TAILS													TE	ST RE	SULT	S						
ar	Distribution board Designation	J			Circuit c	onductors	<u>a</u>	Overcurrent		ctive	ca Br	၀	BS 7671		С	ircuit impe	dance :	Ω		Insula	ation resis	tance	ס	Mea	RCD	testing	Manua button or	
Circuit and Line	DB 4/1	Type of	Ref.	No. of	csa	(mm²)	Maximum disconnection	devic		Т "	Breaking capacity	RCD	Max. permitted Zs Other		inal circui		우고		its to be	Test	d lower re	L/E,	Polarity	Max. Measured	Above	30mA or	R C	Peration Properation
uit No ne No	Circuit designation	f wiring	methoc	f points	ر ک	CPC	necti	BS EN	Type No.	Rating (A)			80%	<u> </u>	ured end-		Fig 8 check		ed using 2, not both	voltage	L/N	N/E	Ι, .	Zs	30mA I∆n	below 5 l∆n	()	
9 9	SOCKETS OFFICE ONE +	ng	8	l is	z	, č	9 3	Number 60898 MCB	ļ <u>ē</u>	+ -	(KA)	(mA)	(Ω)	r1	rn	r2	(√)	R1 + R2	R2	V	M(Ω)	Μ(Ω)	(√)	(Ω)	ms	ms	(√)	(√)
1/L1	HEATERS	A	А	3	4	2.5	0.4	Type B	В	32	6	30	1.09	NA	NA	NA	√	LIM	N/A	250	100	100	✓	5.75	36.6	36.5	√	N/A
2/L1	SOCKETS ROOM 3 + HEATERS	A	А	3	4	2.5	0.4	60898 MCB Type B	В	32	6	30	1.09	NA	NA	NA	✓	LIM	N/A	250	100	100	✓	6.16	36.6	36.5	✓	N/A
3/L1	WALL HEATER ROW 4	Α	Α	2	4	2.5	0.4	60898 MCB T	В	32	6	30	1.09	NA	NA	NA	✓	0.61	N/A	250	100	100	✓	7.6	36.6	36.5	✓	N/A
4/L1	SOCKETS KITCHEN	Α	Α	1	4	2.5	0.4	60898 MCB T	В	32	6	30	1.09	NA	NA	NA	✓	0.49	N/A	250	100	100	✓	6.95	36.6	36.5	✓	N/A
5/L1	WALL HEATERS ROW 1	Α	Α	4	4	2.5	0.4	60898 MCB T	В	32	6	30	1.09	NA	NA	NA	✓	0.4	N/A	250	100	100	✓	7.38	36.6	36.5	✓	N/A
6/L1	WATER HEATER	Α	Α	1	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.15	N/A	250	100	100	✓	7.94	36.6	36.5	✓	N/A
7/L1	SOCKETS CLASS 2	Α	Α	4	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.58	N/A	250	100	100	✓	1.14	36.6	36.5	✓	N/A
8/L1	Lights MAIN HALL + EXTERNAL BULKHEAD	Α	А	9	1	1	0.4	60898 MCB Type B	В	6	6	30	5.82	NA	NA	NA	✓	1.2	N/A	250	100	100	✓	1.71	36.6	36.5	✓	N/A
9/L1	Lights CLASS + STORE	Α	Α	7	1	1	0.4	60898 MCB T	В	6	6	30	5.82	NA	NA	NA	✓	1.37	N/A	250	100	100	✓	1.84	36.6	36.5	✓	N/A
10/L1	Lights ENTRANCE,TOILET,KITCHE N	Α	A	8	1	1	0.4	60898 MCB Type B	В	6	6	30	5.82	NA	NA	NA	✓	0.84	N/A	250	100	100	✓	1.4	36.6	36.5	✓	N/A
11/L1	GENTS HANDRIER	Α	А	1	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.24	N/A	250	100	100	✓	0.69	36.6	36.5	✓	N/A
12/L1	LADIES HANDRIER	Α	А	1	2.5	1.5	0.4	60898 MCB T	В	16	6	30	2.18	NA	NA	NA	✓	0.3	N/A	250	100	100	✓	0.72	36.6	36.5	✓	N/A
Details o	f circuits and/or installed e	quipi	nent v	ulnera	able to	damage	when	testing	Dat	te(s) o	dead t	esting	Not Sp	ecified	То	Not Spec	ified	Date	e(s) live	testing		20/09/20)21	To	0	20/09	/2021	\equiv
ANY ELEC	CTRONIC DEVICES.																		Siç	gnature	0	A						\neg
Tested b	y: Name (capital letters)	Εſ	ROW				P	osition Techr	nician					Date 20	0/09/202	1					4	WO						
Wiring Types. A	A PVC/PVC, B PVC cables in metallic Conduit, C	PVC ca	bles in non-	metallic Co	onduit, D PV0	cables in me	tallic trunkin	ng, E PVC cables in nor	n-metalli	c trunking	, F PVC/SV	VA cables,	G SWA/XPLE	cables, H Mi	neral Insulate	ed, MW Metal	Nork, FM	Ferrous Met	tal, O Other									

ELECTRICAL INSTALLATION CONDITION REPORT - DB Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations BS7671:2018 (IET Wiring Regulations 18th Edition)





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itcomes		T .					
Accer cond		Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applica	able:
((1) or (2)	3	(1)	NV	A	N/A	
the outco	me column use the codes above. Pro	ovide additional comment w	here appropriate. C1/C2	/C3 and FI coded items to	be recorded in section	K of the condition	repo
CU Ref	Entire Installation	DB/C	CU Location: N/A				
n No.	Description					Out	tcor
CONSL	JMER UNIT/DISTRIBUTION B	OARD(S)					
1.1	Adequacy of working space/a	accessibility to consum	er unit/distribution bo	oard (132.12; 513.1)			V
1.2	Security of fixing (134.1.1)						
1.3	Condition of enclosure(s) in t	erms of IP rating (Barri	iers etc) (416.2)				V
1.4	Condition of enclosure(s) in t	erms of fire rating etc (421.1.6; 421.1.201; 5	526.5)			V
1.5	Enclosure/obstacles not dam	naged/deteriorated so a	s to impair safety (65	51.2)			
1.5.1	Presence and effectiveness	of obstacles (417.2)					N/A
1.6	Presence of main linked swit	ch (as required by 462	.1.201)				
1.7	Operation of main switch (fur	nctional check) (643.10)				
1.8	Manual operation of circuit-b	reakers and RCD(s) (te	est button) to prove d	isconnection (643.10)			$\sqrt{}$
1.9	Correct identification of circu	it details and protective	devices (514.8.1; 51	14.9.1)			Œ
1.10	Presence of RCD six-monthl	•			•		•
1.11	Presence of non-standard (n	nixed) cable colour war	ning notice at or near	r equipment, where re	quired (514.14)		•
1.12	Presence of alternative supp	·		ution board (514.15)			(N/A
1.13	Presence of other required la	,	, , ,				•
1.14	Compatibility of protective de damage, arcing or overheating				signs of unacceptabl	e thermal	\checkmark
1.15	Single-pole switching or prot	ective devices in line co	onductors only (132.1	14.1, 530.3.3)			\bigcirc
1.16	Protection against mechanic 522.8.11)	al damage where cable	es enter consumer un	it/distribution board (1	132.14.1; 522.8.1; 52	22.8.5;	@
1.17	Protection against electroma	gnetic effects where ca	ables enter ferromagr	netic enclosures (521.	5.1)		V
1.18	RCD(s) provided for fault pro	tection - includes RCB	O(s)(411.4.204; 411.	5.2; 531.2)			•
1.19	RCD(s) provided for addition	al protection/requireme	ents, where required -	- includes RCBO(s) (4	11.3.3; 415.1)		•
1.20	Confirmation of indication that	at SPD is functional (65	51.4)				N/A
1.21	Confirmation that ALL conduare tight and secure (526.1)	ctor connections, include	ding connections to the	ne busbars are correc	tly located in termina	als and	
1.22	Adequate arrangements who	ere a generating set op	erates as a switched	alternative to the pub	lic supply (551.6)		(N/A
1.23	Adequate arrangements whe	ere a generating set ope	erates in parallel with	the public supply (55	1.7)		(N/A
FINAL	CIRCUITS						
2.1	Identification of conductors (,					Œ
2.2	Cables correctly supported the		1.10.202; 522.8.5)				•
2.3	Condition of insulation of live	· · · · ·					
2.4	Non-sheathed cables protect						•
2.4.1	To include the integrity of co						
2.5	Adequacy of cables for curre				tion (Section 523)		<u> </u>
2.6	Coordination between condu		· · · · · · · · · · · · · · · · · · ·	·			<u> </u>
2.7	Adequacy of protective device						
2.8	Presence and adequacy of c						•
2.9	Wiring system(s) appropriate	• • • • • • • • • • • • • • • • • • • •			· ,		
2.10	Connected cables installed in	n prescribed zones (see	e Section D. Extent a	and limitations) (522.6	.202)		₩

1.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	NA		
2.0 FINAL	CIRCUITS			
2.1	Identification of conductors (514.3.1)	3		
2.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	3		
2.3	Condition of insulation of live parts (416.1)	Ø		
2.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1)			
2.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)			
2.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)			
2.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)			
2.7	Adequacy of protective devices: type and rated current for fault protection (411.3)			
2.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	(1)		
2.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)			
2.10	Connected cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	M		
2.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.204)	M		
2.12	Provision of additional requirements for protection by RCD not exceeding 30 mA:			
2.12.1	For all socket-outlets of rating 32 A or less unless exempt (4.11.3.3)	②		
2.12.2	For the supply of Mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	<u>©</u>		
2.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	③		
2.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	③		
2.12.5	For circuits supplying luminaires within domestic (household) premises (411.3.4)	N/A		
2.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)			
2.14	Band II cables segregated/separated from Band I cables (528.1)			
2.15	Cables segregated/separated from communications cabling (528.2)			
2.16	Cables segregated/separated from non-electrical services (528.3)			
2.17	Termination of cables at enclosures - indicate extent of sampling in section d of the report (section 526)			
2.17.1	Connections soundly made and under no undue strain (526.6)	(3)		
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4th Floor, Mill 3, Pleasley Vale Business Park, Mansfield, Nottinghamshire NG19 8RL		NA/EICR/00		

ELECTRICAL INSTALLATION CONDITION REPORT - DB Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations BS7671:2018 (IET Wiring Regulations 18th Edition)





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2.17	.2 No basic	No basic insulation of a conductor visible outside enclosure (526.8)					
2.17	.3 Connection	Connections of live conductors adequately enclosed (526.5)					
2.17	.4 Adequate	1 7 1 7 (3 7 7 (4 4 4 7					
2.1	8 Condition	Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))					
2.19		Suitability of accessories for external influences (512.2)					
2.20		Adequacy or working space/accessibility to equipment (132.12; 513.1)					
2.2	1 Single-po	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)					
3.0 ISO	LATION AND S	SWITCHING					
3.1	Isolators	s (Section 460; 537)					
3.1.		and condition of appropriate devices (462; 537.2.7)		NA NA			
3.1.		Acceptable location - state if local or remote from equipment in question (462; 537.2.7)					
3.1.	,						
3.1.	4 Correct o	Correct operation verified (643.10)					
3.1.		Clearly identified by position and/or durable marking (537.2.6)					
3.1.		Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)					
3.2	2 Switchin	Switching off for mechanical maintenance (Section 464; 537.3.2) Presence and condition of appropriate devices (464.1; 527.3.2)					
3.2.		Presence and condition of appropriate devices (464.1; 527.3.2)					
3.2.		ole location - state if local or remote from equipment in question (53	7.3.2.4)	(NA)			
3.2.	3 Capable	of being secured in the OFF position (462.3)		(NA)			
3.2.		peration verified (643.10)		N/A			
3.2.		Clearly identified by position and/or durable marking (537.3.2.4)					
3.3	B Emergen	Emergency switching/stopping (465; 537.3.3)					
3.3.		e and condition of appropriate devices (Section 465; 537.3.3; 537.4)	N/A			
3.3.		accessible for operation where danger might occur (537.3.3.6)		NA NA			
3.3.		peration verified (643.10)		N/A			
3.3.		Clearly identified by position and/or durable marking (537.3.3.6)					
3.4		nal switching (section 463; 537.3.1)					
3.4.	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)						
3.4.	4.2 Correct operation verified (537.3.1.1; 537.3.1.2)						
	RRENT-USING	EQUIPMENT (PERMANENTLY CONNECTED)					
4.0 CUI 4.1	RRENT-USING Condition	EQUIPMENT (PERMANENTLY CONNECTED) of equipment in terms of IP rating etc (416.2)					
4.0 CUI 4.1 4.2	RRENT-USING Condition Equipmen	requipment (PERMANENTLY CONNECTED) n of equipment in terms of IP rating etc (416.2) nt does not constitute a fire hazard (Section 421)					
4.0 CU 4.1 4.2 4.3	RRENT-USING Condition Equipmen Enclosure	e not damaged/deteriorated so as to impair safety (134.1.1; 416.2;	512.2)	⊘			
4.0 CUI 4.1 4.2 4.3 4.4	RRENT-USING Condition Equipmer Enclosure Suitability	requipment (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In or of equipment and external influences (512.2)	512.2)	⊗			
4.0 CU 4.1 4.2 4.3	RRENT-USING Condition Equipmer Enclosure Suitability Security of	requipment (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In of enot damaged/deteriorated so as to impair safety (134.1.1; 416.2; If or the environment and external influences (512.2) In of fixing (134.1.1)					
4.0 CUI 4.1 4.2 4.3 4.4	RRENT-USING Condition Equipmer Enclosure Suitability Security of	requipment (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) Interpretation of the environment and external influences (512.2) Interpretation of fixing (134.1.1) It is the environment and external influences of the environment and external influences (512.2) Interpretation of the environment and external influences (51		⊗			
4.0 CUI 4.1 4.2 4.3 4.4 4.5	RRENT-USING Condition Cond	requipment (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In e not damaged/deteriorated so as to impair safety (134.1.1; 416.2; If or the environment and external influences (512.2) In fixing (134.1.1) It y holes in ceiling above luminaires, sized or sealed so as to restrict inspected (separate page) (527.2)					
4.0 CUI 4.1 4.2 4.3 4.4 4.5 4.6	RRENT-USING Condition Equipment Signature Suitability Security of Cable ent luminaires Recesses	EQUIPMENT (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In e not damaged/deteriorated so as to impair safety (134.1.1; 416.2; If or the environment and external influences (512.2) In fixing (134.1.1) It is in ceiling above luminaires, sized or sealed so as to restrict in sinspected (separate page) (527.2) In the different details of the content of the					
4.0 CU 4.1 4.2 4.3 4.4 4.5 4.6 4.7	RRENT-USING Condition Equipmer Signature Suitability Cable ent luminaires Recesse Correct ty	requipment in terms of IP rating etc (416.2) In the does not constitute a fire hazard (Section 421) In the not damaged/deteriorated so as to impair safety (134.1.1; 416.2; of for the environment and external influences (512.2) In the fixing (134.1.1) It is in ceiling above luminaires, sized or sealed so as to restrict in sinspected (separate page) (527.2) In the distribution of the d	ct the spread of fire: List number and location of				
4.0 CU 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.7	RRENT-USING Condition Equipmer Signature Suitability Cable ent luminaires Recesses Correct ty Installed to	requipment in terms of IP rating etc (416.2) In the does not constitute a fire hazard (Section 421) In the not damaged/deteriorated so as to impair safety (134.1.1; 416.2; of for the environment and external influences (512.2) In the fixing (134.1.1) It is in ceiling above luminaires, sized or sealed so as to restrict in inspected (separate page) (527.2) In the individual of the downlighters of lamps fitted (559.3.1) It is minimize build-up of heat by use of "fire rated" fittings, insulation	ct the spread of fire: List number and location of				
4.0 CUI 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.7. 4.7.	RRENT-USING Condition Equipmer Signature Condition Condi	EQUIPMENT (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In enot damaged/deteriorated so as to impair safety (134.1.1; 416.2; If or the environment and external influences (512.2) If fixing (134.1.1) It y holes in ceiling above luminaires, sized or sealed so as to restrict in the sinspected (separate page) (527.2) If the unique in the latter of the	ct the spread of fire: List number and location of				
4.0 CUI 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.7. 4.7. 4.7.	RRENT-USING Condition Cond	requipment (PERMANENTLY CONNECTED) In of equipment in terms of IP rating etc (416.2) Int does not constitute a fire hazard (Section 421) In of enot damaged/deteriorated so as to impair safety (134.1.1; 416.2; of or the environment and external influences (512.2) In of fixing (134.1.1) It is try holes in ceiling above luminaires, sized or sealed so as to restrict in inspected (separate page) (527.2) In of luminaires (downlighters) It is minimize build-up of heat by use of "fire rated" fittings, insulation of overheating to surrounding building fabric (559.4.1) In of overheating to conductors/terminations (526.1)	ct the spread of fire: List number and location of				
4.0 CUI 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.7. 4.7. 5.0 PAI	RRENT-USING Condition Cond	requipment in terms of IP rating etc (416.2) In the does not constitute a fire hazard (Section 421) In the not damaged/deteriorated so as to impair safety (134.1.1; 416.2; of or the environment and external influences (512.2) In the fixing (134.1.1) It the properties of the second	ct the spread of fire: List number and location of displacement box or similar (421.1.2)				
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