

# ELECTRICAL INSTALLATION CONDITION REPORT

FT/EICR 8170000001253

for Industrial/Commercial Premises

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



## A. Details of the Installation

Client	RICHARDSON HOTEL GROUP	Installation	RICHARDSON HOTEL GROUP
Address	C/O Grand Hotel Seafront Torbay Road Torquay	Address	Grand Hotel Seafront Torbay Road Torquay
Postcode	TQ2 6NT	Postcode	TQ2 6NT

## B. Reason for Producing this Report

This form is to be used only for reporting on the condition of an existing installation.

YEARLY INSPECTION / INSURANCE REQUIREMENT

Date(s) on which the inspection and testing were carried out  to

## C. Details of Installation which is the Subject of this Report

Description of premises	Domestic <input type="checkbox"/>	Commercial <input checked="" type="checkbox"/>	Industrial <input type="checkbox"/>	Other (please specify) <input type="text"/>
Estimated age of the wiring system	<input type="text" value="1"/> years			
Evidence of alterations or addition	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not apparent <input type="checkbox"/>	if 'Yes', estimated <input type="text"/>
Records of installation available	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Records held by <input type="text"/>	
Date of last inspection	<input type="text" value="Not Known"/> Electrical Installation Certificate No. or previous Inspection Report No. <input type="text"/>			

## D. Extent of Electrical Installation Covered by this Report:

100% OF FIXED WIRING IN INDOOR POOL & GYM AREAS

### Agreed Limitations and Operational Limitations (Regulations 653.2)

NO ACCESS ABOVE CEILINGS, UNDER FLOORS, IN ASBESTOS CONTAINING AREAS, NO TURNING OFF OF ANY FIRE / LIFE SAFETY SYSTEMS

Agreed with:

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) amended to

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

## E. Summary of the Condition of the Installation

General conditions of the installation (in terms of electrical safety)

GENERALLY IN GOOD CONDITION - POOL AREA RECENTLY RE-WIRED - GYM AREA HAS RECOMMENDATIONS BUT NOTHING TO AFFECT THE SAFETY OF HUMANS OR --Please see Continuation Page--

Overall assessment of the installation in terms of its suitability for continued use

**SATISFACTORY**  \***UNSATISFACTORY**

\*An UNSATISFACTORY assessment indicates that dangerous (code C1), or potentially dangerous (code C2), Further investigation (code F1) conditions have been identified

## F. Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY I/we recommend that any observations classified as 'Danger present' (code C1) or 'Potential dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further Investigation required' (code F1). Observations classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by  (date)

## G. Declaration

I/we being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Company	Andrews' Building Contractors Ltd		Inspected and tested by	Authorised for issue by
Address	Casa Blanca, Lower Penns Road, Paignton,		Name:  <input type="text" value="Simon Hammond"/>	Name:  <input type="text" value="Simon Hammond"/>
Postcode	<input type="text" value="TQ3 1JE"/>		Signature:  	Signature:  
Branch No.	<input type="text" value="001"/>		Position:  <input type="text" value="Electrician"/>	Position:  <input type="text" value="Electrician"/>
Scheme No.	<input type="text"/>		Date:  <input type="text" value="28/10/2022"/>	Date:  <input type="text" value="04/11/2022"/>

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## H. Schedule(s)

schedule(s) of inspection and  schedule(s) of test results are attached.

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

## I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements	TN-S <input checked="" type="checkbox"/>	TN-C-S <input type="checkbox"/>	TT <input type="checkbox"/>	Other <input type="checkbox"/>	Please specify _____
Number & Type of live conductors	AC <input checked="" type="checkbox"/>	DC <input type="checkbox"/>	No. of phases	3	No. of wires 5

### Nature of Supply Parameters (Note: <sup>(1)</sup> by enquiry, <sup>(2)</sup> by enquiry or by measurement)

Nominal voltage, U/U <sub>0</sub> <sup>(1)</sup>	400/230 V	Nominal frequency, f <sup>(1)</sup>	50 Hz	Confirmation of supply polarity <input checked="" type="checkbox"/>
Prospective fault current, I <sub>pr</sub> <sup>(2)</sup>	0.05 kA	External loop impedance, Z <sub>e</sub> <sup>(2)</sup>	4.82 Ω	

Supply Protective Device BS (EN)  LIM Type  LIM Rated Current  LIM A

No. of Additional Supplies  N/A

## J. Particulars of Installation Referred to in this Report

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc)			Means of Earthing		
Location	<input type="text"/>	Electrode resistance to earth	<input type="text"/> Ω	Distributors facility <input checked="" type="checkbox"/>	Installation Earth Electrode <input type="checkbox"/>
Main Protective Conductors	Material	csa	(✓) or Value	(✓) or Value	
Earthing Conductor	Copper	120 mm <sup>2</sup>	Continuity Verified <input checked="" type="checkbox"/>	Connection Verified <input checked="" type="checkbox"/>	Ω
Protective Bonding Conductor	Copper	95 mm <sup>2</sup>	Continuity Verified <input checked="" type="checkbox"/>	Connection Verified <input checked="" type="checkbox"/>	Ω
Main Supply Conductor	Material	csa	(connection / continuity)	(✓) or Value	(✓) or Value
Main Switch Location	MAINS ROOM	mm <sup>2</sup>	Water installation <input checked="" type="checkbox"/>	To structural steel <input checked="" type="checkbox"/>	Ω
Fuse/device rating or setting	Switch	A	Gas installation pipes <input checked="" type="checkbox"/>	To lightning protection <input checked="" type="checkbox"/>	Ω
If RCD main switch:	Rated residual operating current I Δ	mA	Oil installation pipes <input type="text"/> NA	Other <input type="text"/> NA	Ω
BS(EN) <input type="text"/> 60947-3	No. of Poles <input type="text"/> 4	Current Rating <input type="text"/> 400 A	Rated time delay <input type="text"/> N/A ms	Measured operating trip time <input type="text"/> N/A ms	

## K. Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

No remedial work required

The following observations are made

### Explanation of codes

<span style="color: red;">C1</span>	Danger present. Risk of Injury. Immediate remedial action required.
<span style="color: orange;">C2</span>	Potentially dangerous. Urgent remedial action required.
<span style="color: green;">C3</span>	Improvement recommended.
<span style="color: orange;">F1</span>	Further Investigation required without delay

Item No.	Observations	Code
1	BOILER ROOM LIGHTING SHOWING SIGNS OF AGE - CLIPS GOING BRITTLE	<span style="color: green;">NA</span>
2	LIGHT FITTING OUTSIDE SOLARIUM SHOWING SIGNS OF EXCESS HEAT - NOW LED - NO ISSUE	<span style="color: green;">NA</span>
3	GYM SOCKETS - EARTH WAS NOT CONNECTED (WAS C1) - EARTHS INSTANTLY RECONNECTED ON TEST - NO ISSUE NOW	<span style="color: green;">NA</span>
4	GYM LIGHTING NOT ON RCD	<span style="color: green;">C3</span>

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.

<span style="color: red;">C1</span> Danger present. Risk of Injury. Immediate remedial action required.	0
<span style="color: orange;">C2</span> Potentially dangerous. Urgent remedial action required.	0
<span style="color: green;">C3</span> Improvement recommended.	1
<span style="color: orange;">F1</span> Further Investigation required without delay	0

The above values are a total count of Observation per outcome

Outcomes						
Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applicable:
Item No.	Description					Outcome
<b>1.0 External Condition Of Intake Equipment (Visual Inspection Only)</b> Where inadequacies are encountered, it is recommended that the person ordering the report informs the appropriate authority						
1.1	Service cable					
1.2	Service head					
1.3	Earthing arrangement					
1.4	Meter tails					
1.5	Metering equipment					
1.6	Isolator (where present)					
<b>2.0 Parallel Or Switched Alternative Sources Of Supply</b>						
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)					
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)					
<b>3.0 Automatic Disconnection Of Supply</b>						
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)					
3.1.3	Adequacy of earthing conductor size (542.3; 543.1.1)					
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)					
<b>4.0 Other Methods Of Protection (Where any of the methods listed below are employed details should be provided on separate sheets)</b>						
4.1	Non-conducting location (418.1)					
4.2	Earth-free local equipotential bonding (418.2)					
4.3	Electrical separation (Section 413; 418.3)					
4.4	Double insulation (Section 412)					
4.5	Reinforced insulation (Section 412)					
<b>5.0 Distribution Equipment</b>						
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)					
5.2	Security of fixing (134.1.1)					
5.3	Condition of insulation of live parts (416.1)					
5.4	Adequacy/security of barriers (416.2)					
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)					
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)					
5.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)					
5.8	Presence and effectiveness of obstacles (417.2)					
5.9	Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2)					
5.10	Operation of main switch(es) (functional check) (643.10)					
5.11	Manual operation of circuit-breakers and RCD(s) to prove disconnection (643.10)					
5.12	Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10)					
5.13	RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2)					
5.14	RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1)					
5.15	Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2)					
5.16	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)					
5.17	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)					
5.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)					
5.19	Presence of next inspection recommendation label (514.12.1)					
5.20	Presence of other required labelling (please specify) (Section 514)					
5.21	Compatibility of protective 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)					
5.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)					
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)					
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)					
<b>6.0 Distribution Circuits</b>						

6.1	Identification of conductors (514.3.1)	<input checked="" type="checkbox"/>
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	<input checked="" type="checkbox"/>
6.3	Condition of insulation of live parts (416.1)	<input checked="" type="checkbox"/>
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking. Integrity of containment (521.10.1)	<input checked="" type="checkbox"/>
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	<input checked="" type="checkbox"/>
6.6	Cables correctly terminated in enclosures (Section 526)	<input checked="" type="checkbox"/>
6.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	<input checked="" type="checkbox"/>
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	<input checked="" type="checkbox"/>
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	<input checked="" type="checkbox"/>
6.10	Adequacy of protective devices: type and rated current for fault protection (411.3)	<input checked="" type="checkbox"/>
6.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	<input checked="" type="checkbox"/>
6.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	<input checked="" type="checkbox"/>
6.13	Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522)	<input checked="" type="checkbox"/>
6.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	<input checked="" type="checkbox"/>
6.15	<b>Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts</b>	
6.15.1	Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) or	<input checked="" type="checkbox"/>
6.15.2	Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations) (522.6.204)	<input checked="" type="checkbox"/>
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	<input checked="" type="checkbox"/>
6.17	Band II cables segregated/separated from Band I cables (528.1)	<input checked="" type="checkbox"/>
6.18	Cables segregated/separated from non-electrical services (528.3)	<input checked="" type="checkbox"/>
6.19	Condition of circuit accessories (651.2)	<input checked="" type="checkbox"/>
6.20	Suitability of circuit accessories for external influences (512.2)	<input checked="" type="checkbox"/>
6.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	<input checked="" type="checkbox"/>
6.22	Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526)	<input checked="" type="checkbox"/>
6.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; 537)	<input checked="" type="checkbox"/>
6.24	General condition of wiring systems (651.2)	<input checked="" type="checkbox"/>
6.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	<input checked="" type="checkbox"/>

Inspector's Name: Simon Hammond

Signature:

Date: 28/10/2022

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 8170000001253

for Industrial/Commercial Premises

## Requirements for Electrical Installations BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)



Company Name	Andrews' Building Contractors Ltd	Company Address	Casa Blanca	Postcode	TQ3 1JE	Branch No.	001	Scheme No.	
Client	RICHARDSON HOTEL GROUP	Installation Address	RICHARDSON HOTEL GROUP, Grand Hotel, Seafront Torbay Road, Torquay					Postcode	TQ2 6NT
Distribution board details - Complete in every case			Complete only if the distribution board is not connected directly to the origin of the installation			Characteristics at this distribution board			Test instrument serial number(s)
Location	POOL/BOILER PLANT ROOM	Supply to distribution board is from			Associated RCD(if any): BS (EN)			Above 30mA (if applicable)	Loop impedance 18091173
Designation	DB INDOOR POOL	MAIN MCCB PANEL			Z <sub>d</sub> 0.15 Ω	No. of poles N/A	Operating at 1 IΔn N/A ms	30mA or below N/A ms	Insulation resistance 18091173
Num. of ways	12	Num. of phases	3	Overcurrent protective device for the distribution circuit:	BS(EN) 60947-2 MCCB	Type N/A	Rating 100 A	Voltage 400/230 V	Continuity 18091173
Supply polarity confirmed	<input checked="" type="checkbox"/>	Phase sequence confirmed	<input checked="" type="checkbox"/>	Time delay (if applicable) N/A			RCD 18091173		

## CIRCUIT DETAILS

## TEST RESULTS

Circuit No. and Line No.	Distribution board Designation	Type of wiring	Ref. method	No. of points	Circuit conductors csa (mm <sup>2</sup> )	disconnection	Overcurrent protective devices			BS 7671 Max permitted Zs Other	Circuit impedance Ω				Insulation resistance (Record lower reading)			Polarity	Max. Measured Zs (Ω)	RCD testing		Manual test button operation						
							BS EN Number	Type No.	Rating (A)		r1	r <sub>n</sub>	r2	Fig. 8 check (✓)	All circuits to be completed using R1R2 or R2, not both	Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)		RCD (✓)	AFDD (✓)							
	Circuit designation										R1 + R2	R2																
1/TP	SPARE									80%				N/A	N/A	N/A	N/A					N/A		N/A	N/A			
2/TP	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
3/TP	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
4/L1	POOL AREA LTS	A	C	14	1	1	0.4	61009 RCD/RCBO	C	6	6	30	2.91	N/A	N/A	N/A	N/A	2.67	N/A	250	>299	>299	✓	2.87	18	18	✓	N/A
4/L2	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
4/L3	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
5/L1	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
5/L2	LADIES CALOREX & END FAN	A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	C	20	6	30	0.87	N/A	N/A	N/A	N/A	0.52	N/A	250	>299	>299	✓	0.72	18	18	✓	N/A
5/L3	SOCKET BELOW (SUMP)	D	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	1.75	N/A	N/A	N/A	N/A	0.01	N/A	250	>299	>299	✓	0.20	18	18	✓	N/A
6/L1	CHANGING ROOMS LTS	A	C	12	1	1	0.4	61009 RCD/RCBO	C	6	6	30	2.91	N/A	N/A	N/A	N/A	1.26	N/A	250	>299	>299	✓	1.47	18	18	✓	N/A
6/L2	Sub Mains(DB GYM)	A	C	1	10	4	0.4	60898 MCB	C	50	6	N/A	0.35	N/A	N/A	N/A	N/A	0.02	N/A	250	>299	>299	✓	0.17	N/A	N/A	N/A	N/A
6/L3	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
7/L1	MENS HAIR DRYER	A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	6	30	0.87	N/A	N/A	N/A	N/A	0.51	N/A	250	>299	>299	✓	0.68	18	18	✓	N/A
7/L2	SPARE													N/A	N/A	N/A	N/A					N/A		N/A	N/A			
7/L3	DEHUM / AIR HANDLER NEXT DOOR	F	C	1	2.5	2.5	0.4	60898 MCB	C	20	6	N/A	0.87	N/A	N/A	N/A	N/A	0.24	N/A	250	>299	>299	✓	0.41	N/A	N/A	N/A	N/A

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing

07/11/2022

To 07/11/2022

Date(s) live testing

07/11/2022

To 07/11/2022

IR @ 250V - EQUIPMENT CONNECTED

Signature

Tested by: Name (capital letters)

SIMON HAMMOND

Position Electrician

Date 28/10/2022

Wiring Types. A PVC/PVC, B PVC cables in metallic Conduit, C PVC cables in non-metallic trunking, D PVC cables in metallic trunking, E 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  
A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoured PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

## **ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests**

**FT/EICR** 817000001253

### **for Industrial/Commercial Premises**



# **Requirements for Electrical Installations**

## **BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)**

Circuit No. and Line No.	CIRCUIT DETAILS										TEST RESULTS																			
	Distribution board Designation			Type of wiring	Ref. method	No. of points	Circuit conductors csa (mm²)		Overcurrent protective devices			BS 7671 Max. permitted Zs Other 80% (Ω)	Circuit impedance Ω					Insulation resistance (Record lower reading)			Polarity (✓)	Measured Max. Zs (Ω)								
	DB INDOOR POOL						L / N	GPC	Maximum disconnection	BS EN Number	Type No.		Rating (A)	Breaking capacity (KA)	RCD operating (mA)	Ring final circuits only (measured end-to-end)			Fig 8 check (✓)	All circuits to be completed using R1R2 or R2, not both		Test voltage V	L/L, L/N	L/E, N/E M(Ω)	M(Ω)	AfDD (✓)				
	Circuit designation															r1	r <sub>n</sub>	r2	R1 + R2	R2										
8/L1	MENS HAND DRYER		A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	6	30	0.87	N/A	N/A	N/A	N/A	0.52	N/A	250	>299	>299	✓	0.69	18	18	✓	N/A	
8/L2	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
8/L3	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
9/TP	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
10/L1	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
10/L2	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
10/L3	POOL HEATING		F	C	1	2.5	2.5	0.4	61009 RCD/RCBO	B	20	6	30	1.75	N/A	N/A	N/A	N/A	0.02	N/A	250	>299	>299	✓	0.17	18	18	✓	N/A	
11/L1	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
11/L2	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
11/L3	FEMALE HAND & HAIR DRYER		A	C	2	2.5	1.5	0.4	61009 RCD/RCBO	C	20	6	30	0.87	N/A	N/A	N/A	N/A	0.70	N/A	250	>299	>299	✓	0.86	18	18	✓	N/A	
12/L1	SPARE														N/A	N/A	N/A	N/A								N/A	N/A			
12/L2	BOILER / PLANT LTS		B	B	5	2.5	1.5	0.4	60898 MCB	B	6	6	N/A	5.82	N/A	N/A	N/A	N/A	1.23	N/A	250	>299	>299	✓	1.47	N/A	N/A	N/A	N/A	
12/L3	FEMALE HAIR DRYER		A	C	1	2.5	1.5	0.4	61009 RCD/RCBO	C	20	6	30	0.87	N/A	N/A	N/A	N/A	0.61	N/A	250	>299	>299	✓	0.78	18	18	✓	N/A	

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing  To

Date(s) live testing

To 07/11/2022

IR @ 250V - EQUIPMENT CONNECTED

**Signature**

Tested by: Name (capital letters)

SIMON HAMMOND

## Position Electrician

Date 28/10/2022

Wiring Types. A PVC/PVC, B PVC cables in metallic Conduit, C PVC cables in non-metallic Conduit, D PVC cables in metallic trunking, E 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 A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoured PVC SWA cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/01 - LSF single core cables 90°C rated (4E1A), O/02 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured X1 PE cables or 90°C rated (4F3A), G/G2 - Multi-core armoured X1 PE cables or 90°C rated (4F4A) H/H1 - MCCC exposed to touch (4G1A)

## **ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests**

**FT/EICR** | 8170000001253

### **for Industrial/Commercial Premises**



# **Requirements for Electrical Installations**

## **BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)**

Company Name	Andrews' Building Contractors Ltd	Company Address	Casa Blanca	Postcode	TQ3 1JE	Branch No.	001	Scheme No.	
Client	RICHARDSON HOTEL GROUP	Installation Address	RICHARDSON HOTEL GROUP, Grand Hotel, Seafront Torbay Road, Torquay					Postcode	TQ2 6NT
Distribution board details - Complete in every case			Complete only if the distribution board is not connected directly to the origin of the installation			Characteristics at this distribution board			Test instrument serial number(s)
Location	GYM	Supply to distribution board is from	Associated RCD(if any): BS (EN)		Above 30mA (if applicable)		Loop impedance	18091173	
Designation	DB GYM	Sub Mains(DB INDOOR POOL, 6/L2)	N/A	Operating at 1 $\Delta$ n	N/A	ms	Insulation resistance	18091173	
Num. of ways	4	Num. of phases	1	Z <sub>d</sub> 0.17 $\Omega$	No. of poles	N/A	30mA or below	Continuity	18091173
Overcurrent protective device for the distribution circuit:			BS(EN) 60898 MCB Type C	I <sub>pf</sub> 1.36 kA	I $\Delta$ n	N/A	Operating at 5 I $\Delta$ n	RCD	18091173
Type C			Rating 50 A	Voltage 400/230 V	Time delay (if applicable)		N/A		
Supply polarity confirmed <input checked="" type="checkbox"/>			Phase sequence confirmed <input type="checkbox"/>						

## CIRCUIT DETAILS

## TEST RESULTS

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing  To

Date(s) live testing  To

## EQUIPMENT IN GYM

### Signature

Tested by: Name (capital letters)

SIMON HAMMOND

## Position Electrician

Date 28/10/2022

Wiring Types. A PVC/PVC, B PVC cables in metallic Conduit, C PVC cables in non-metallic Conduit, D PVC cables in metallic trunking, E 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  
 A/1 - Single Core PVC Cables (4D1A), A/2A - Multicore PVC Cables (4D1A), F/F1 - Single-core armoured PVC SWA cables (4D3A), F/2 - PVC SWA Cables (4D4A), A/3 - PVC Twin & Earth (4D5), O/01 - LSF single core cables 90°C rated (4E1A), O/02 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLE/PF cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLE/PF cables or 90°C rated (4E4A) HH11 - MICC exposed to touch (4G1A)

## Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations - BS 7671:2018 (IET Wiring

Regulations 18<sup>th</sup> Edition) All items inspections to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018

Outcomes						
Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applicable:

In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report.

DB/CU Ref: Entire Installation DB/CU Location: N/A

Item No.	Description	Outcome
<b>1.0 CONSUMER UNIT/DISTRIBUTION BOARD(S)</b>		
1.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	
1.2	Security of fixing (134.1.1)	
1.3	Condition of enclosure(s) in terms of IP rating (Barriers etc) (416.2)	
1.4	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	
1.5	Enclosure/obstacles not damaged/deteriorated so as to impair safety (651.2)	
1.5.1	Presence and effectiveness of obstacles (417.2)	
1.6	Presence of main linked switch (as required by 462.1.201)	
1.7	Operation of main switch (functional check) (643.10)	
1.8	Manual operation of circuit-breakers and RCD(s) (test button) to prove disconnection (643.10)	
1.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	
1.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	
1.11	Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14)	
1.12	Presence of alternative supply warning notice at or consumer unit/distribution board (514.15)	
1.13	Presence of other required labelling (Please specify) (Section 514)	
1.14	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432; 433)	
1.15	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	
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)	
1.17	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	
1.18	RCD(s) provided for fault protection - includes RCBO(s)(411.4.204; 411.5.2; 531.2)	
1.19	RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1)	
1.20	Confirmation of indication that SPD is functional (651.4)	
1.21	Confirmation that ALL conductor connections, including connections to the busbars are correctly located in terminals and are tight and secure (526.1)	
1.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	
1.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	
<b>2.0 FINAL CIRCUITS</b>		
2.1	Identification of conductors (514.3.1)	
2.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	
2.3	Condition of insulation of live parts (416.1)	
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)	
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)	
2.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.204)	
2.12	<b>Provision of additional requirements for protection by RCD not exceeding 30 mA:</b>	
2.12.1	For all socket-outlets of rating 32 A or less unless exempt (4.11.3.3)	
2.12.2	For the supply of Mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	
2.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	
2.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	
2.12.5	For circuits supplying luminaires within domestic (household) premises (411.3.4)	
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	<b>Termination of cables at enclosures - indicate extent of sampling in section d of the report (section 526)</b>	
2.17.1	Connections soundly made and under no undue strain (526.6)	
2.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	

## Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations - BS 7671:2018 (IET Wiring

Regulations 18<sup>th</sup> Edition) All items inspections to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018

2.17.3	Connections of live conductors adequately enclosed (526.5)	<input checked="" type="checkbox"/>
2.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	<input checked="" type="checkbox"/>
2.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))	<input checked="" type="checkbox"/>
2.19	Suitability of accessories for external influences (512.2)	<input checked="" type="checkbox"/>
2.20	Adequacy or working space/accessibility to equipment (132.12; 513.1)	<input checked="" type="checkbox"/>
2.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	<input checked="" type="checkbox"/>

**3.0 ISOLATION AND SWITCHING**

<b>3.1</b>	<b>Isolators (Section 460; 537)</b>	
3.1.1	Presence and condition of appropriate devices (462; 537.2.7)	<input checked="" type="checkbox"/>
3.1.2	Acceptable location - state if local or remote from equipment in question (462; 537.2.7)	<input checked="" type="checkbox"/>
3.1.3	Capable of being secured in the OFF position (462.3)	<input checked="" type="checkbox"/>
3.1.4	Correct operation verified (643.10)	<input checked="" type="checkbox"/>
3.1.5	Clearly identified by position and/or durable marking (537.2.6)	<input checked="" type="checkbox"/>
3.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	<input checked="" type="checkbox"/>
<b>3.2</b>	<b>Switching off for mechanical maintenance (Section 464; 537.3.2)</b>	
3.2.1	Presence and condition of appropriate devices (464.1; 527.3.2)	<input checked="" type="checkbox"/>
3.2.2	Acceptable location - state if local or remote from equipment in question (537.3.2.4)	<input checked="" type="checkbox"/>
3.2.3	Capable of being secured in the OFF position (462.3)	<input checked="" type="checkbox"/>
3.2.4	Correct operation verified (643.10)	<input checked="" type="checkbox"/>
3.2.5	Clearly identified by position and/or durable marking (537.3.2.4)	<input checked="" type="checkbox"/>
<b>3.3</b>	<b>Emergency switching/stopping (465; 537.3.3)</b>	
3.3.1	Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4)	<input checked="" type="checkbox"/>
3.3.2	Readily accessible for operation where danger might occur (537.3.3.6)	<input checked="" type="checkbox"/>
3.3.3	Correct operation verified (643.10)	<input checked="" type="checkbox"/>
3.3.4	Clearly identified by position and/or durable marking (537.3.3.6)	<input checked="" type="checkbox"/>
<b>3.4</b>	<b>Functional switching (section 463; 537.3.1)</b>	
3.4.1	Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	<input checked="" type="checkbox"/>
3.4.2	Correct operation verified (537.3.1.1; 537.3.1.2)	<input checked="" type="checkbox"/>

**4.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)**

4.1	Condition of equipment in terms of IP rating etc (416.2)	<input checked="" type="checkbox"/>
4.2	Equipment does not constitute a fire hazard (Section 421)	<input checked="" type="checkbox"/>
4.3	Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2)	<input checked="" type="checkbox"/>
4.4	Suitability for the environment and external influences (512.2)	<input checked="" type="checkbox"/>
4.5	Security of fixing (134.1.1)	<input checked="" type="checkbox"/>
4.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page) (527.2)	<input checked="" type="checkbox"/>
<b>4.7</b>	<b>Recessed luminaires (downlighters)</b>	
4.7.1	Correct type of lamps fitted (559.3.1)	<input checked="" type="checkbox"/>
4.7.2	Installed to minimize build-up of heat by use of "fire rated" fittings, insulation displacement box or similar (421.1.2)	<input checked="" type="checkbox"/>
4.7.3	No signs of overheating to surrounding building fabric (559.4.1)	<input checked="" type="checkbox"/>
4.7.4	No signs of overheating to conductors/terminations (526.1)	<input checked="" type="checkbox"/>

**5.0 PART 7 SPECIAL INSTALLATIONS OR LOCATIONS**

7.01	If any special installations or locations are present, list the particular inspections applied.	<input checked="" type="checkbox"/>
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**8.0 Schedule of Tests**

Results to be recorded on Schedule of Test Results

8.1	External earth loop impedance, $Z_e$	<input checked="" type="checkbox"/>
8.2	Installation earth electrode	<input type="checkbox"/>
8.3	Potential fault current, $I_{pf}$	<input checked="" type="checkbox"/>
8.4	Continuity of Earth Conductors	<input checked="" type="checkbox"/>
8.5	Continuity of Circuit Protective Conductors	<input checked="" type="checkbox"/>
8.6	Continuity of ring final circuit	<input checked="" type="checkbox"/>
8.7	Continuity of Protective Bonding Conductors	<input checked="" type="checkbox"/>
8.8	Volt drop verified	<input checked="" type="checkbox"/>
8.9	Insulation Resistance between Live Conductors	<input checked="" type="checkbox"/>
8.10	Insulation Resistance between Live Conductors & Earth	<input checked="" type="checkbox"/>
8.11	Polarity (prior to energisation)	<input checked="" type="checkbox"/>
8.12	Polarity (after energisation) including phase sequence	<input checked="" type="checkbox"/>
8.13	Earth Fault Loop Impedance	<input checked="" type="checkbox"/>
8.14	RCDs/RCBOs including selectivity	<input checked="" type="checkbox"/>
8.15	Functional testing of RCD devices	<input checked="" type="checkbox"/>
8.16	Functional testing of AFDD(s) devices	<input type="checkbox"/>

Inspector's Name: Simon Hammond

Date: 28/10/2022

Signature:

A handwritten signature in black ink, appearing to read 'Simon Hammond'.

# ELECTRICAL INSTALLATION CONDITION REPORT

Requirements for Electrical Installations

BS 7671:2018 (IET Wiring Regulations 18<sup>th</sup> Edition)

FT/EICR 8170000001253



## Generic Continuation

**General Conditions of the Electrical Installation:**  
BUILDING

## 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).

The person ordering the report should have received the Original©Report and the inspector should have retained a duplicate.

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.

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.**

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

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.

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.

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 it has been stated in Section K that an observation requires further investigation code F1 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).

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.