

# ELECTRICAL INSTALLATION CONDITION REPORT

1391 - Master



**P & R HEATING LTD**  
Electrical  
& Mechanical Services

<b>A. Details of the Client/Person Ordering the Report</b>		<b>B. Reason for Producing this Report</b>		
Client:	Gloucestershire County Council			
Address:	Shire Hall Westgate Street Gloucester Gloucestershire GL1 2TG			
		Purpose of this report: Periodic inspection due		
		Date(s) on which Inspection and testing was carried out: 08/09/2021		
<b>C. Details of the Installation which is the Subject of this Report</b>				
Installation:	Stroud Library	Description of premises:	Domestic	Commercial
Occupier:	Stroud Library	Other:	N/A	N/A
Address:	Stroud Library Lansdown Stroud Gloucestershire GL5 1BB	Estimated age of wiring system:	40	yrs
Record of Installation available:	N/A	Evidence of alterations or additions:	<input checked="" type="checkbox"/>	If yes estimated Age 1 yrs
			Date of previous inspection: 20/06/2016	
<b>D. Extent and Limitations Inspection and Testing</b>				
Extent of Electrical Installation covered by this report: Full Inspection & Test Of The Above Property		Agreed limitations including the reasons (See regulation 653.2) None		
		N/A		
Operational Limitations including the reasons (See page No N/A )				
None				
<p>This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to July 2018</p> <p>It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have NOT been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.</p>				
<b>E. Summary of the Condition of the Installation</b>		General condition of the installations (In terms of electrical safety)		
UNSATISFACTORY				
Overall assessment of the installation	Unsatisfactory	*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.		
<b>F. Recommendations</b>				
Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I recommend that any observations classified as 'Danger present' (code C1) or 'Potentially 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). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by 20/08/2026				
<b>G. Declaration</b> I, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My 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 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.				
Trading Title and address	P & R Heating LTD, Unit 8, Springfield Business Centre, Stonehouse, Gloucester, GL10 3SX		NICEIC Enrolment Number	020677
			Branch No. (If Applicable)	N/A
Inspected and tested by:				
Name	Ashley Pittman	Position	Electrician	Signature
Date	10/09/2021			
Report authorised for issue by:				
Name	Gavin Shelton	Position	Electrical Contracts Mar	Signature
Date	10/09/2021			
<b>H. Schedule(s)</b> The attached schedule(s) are part of this document and this report is valid only when they are attached to it.				
9 - 21 (odd)	Schedule(s) of inspection and	10 - 22 (even)	Schedule(s) of test results are attached	

I. Supply Characteristics and Earthing Arrangements						Nature of Supply Parameters		Supply protective device	
Earthing Arrangements		Number and Type of Live Conductors							
TN-S	N/A	a.c.	✓	d.c.	N/A	Nominal Voltage	U <sup>(1)</sup> 400 V	BS(EN)	
TN-C-S	✓	1-Phase (2 wire)	N/A	1-Phase (3 wire)	N/A	Nominal Voltage	U <sub>0</sub> <sup>(1)</sup> 230 V	Agreed Limitation	
TN-C	N/A	2-Phase (3 wire)	N/A	3 Wire	N/A	Nominal frequency	f <sup>(1)</sup> 50 Hz	Type	
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	✓	Prospective fault current	I <sub>pf</sub> <sup>(2)</sup> LIM kA	N/A	
IT	N/A	Other	N/A	Other	N/A	External loop impedance	Z <sub>e</sub> <sup>(2)</sup> LIM Ω	Nominal current rating	LIM A
Confirmation of supply polarity						Number of supplies	1	Short circuit capacity	LIM kA
(Note: (1) by enquiry, (2) by enquiry or by measurement)									

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

Means of earthing		Details of installation Earth Electrode (where applicable)			
Distributor's facility	✓	Type (e.g. rod(s), tape etc.)	N/A	Location	N/A
Installation earth electrode	N/A	Resistance to Earth	N/A Ω	Method of measurement	N/A

## Main Protective Conductors

Main Protective Conductors							
Tick boxes and enter details as applicable							
Earthing Conductor	Material	Copper	csa	25 mm <sup>2</sup>	Continuity Verified	✓	Connection Verified
Main protective bonding conductors	Material	Copper	csa	16 mm <sup>2</sup>	Continuity Verified	✓	Connection Verified

## Bonding of Incoming Service

Water installation pipes	✓	Gas installation pipes	✓	Structural Steel	✓	Lightning protection	N/A	Maximum Demand (Load)
Oil installation pipes	N/A	Please State						
Other incoming service(s)							ADS	Protective measure(s) against electric shock

## Main Switch / Switch-Fuse / Circuit-Breaker / RCD

Location	No Main Switch				Current rating	N/A A	if RCD main switch
Type BS(EN)	N/A	No of poles	N/A	Fuse/Device rating or setting	35 A	Rated residual operation current, I <sub>Δn</sub> mA	
Supply Conductors material	Copper	Supply Conductors csa	35 mm <sup>2</sup>	Voltage rating	N/A V	Rated time delay N/A ms	
						RCD Operating time at, I <sub>Δn</sub> ms	

## K. Observations

Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.

No remedial action is required. N/A The following observations are made ✓

Item No	Observations	Code
1	DB/MDP 2/L3 Fire Alarm Maximum measured Earth Fault Loop Impedance	C2
2	5 Distribution equipment 5.4 Adequacy/security of barriers	C2
3	5 Distribution equipment 5.5 Condition of enclosure(s) in terms of IP rating	C2
4	5 Distribution equipment 5.6 Condition of enclosure(s) in terms of fire rating	C2
5	5 Distribution equipment 5.7 Enclosure not damaged/deteriorated so as to impair safety	C2
6	--Observations continue on continuation sheet(s)--	C3

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

C1 - Danger present. Risk of injury. Immediate remedial action required	0
C2 - Potentially dangerous - urgent remedial action required	20
C3 - Improvement recommended	5
FI - Further investigation required without delay	0

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description								Outcome			Comments		
<b>1.0</b>	<b>External condition of electrical intake equipment (visual inspection only)</b>													
1.1	Service cable								✓					No
1.2	Service head								✓					No
1.3	Earthing arrangement								✓					No
1.4	Meter tails								✓					No
1.5	Metering equipment								✓					No
1.6	Isolator (where present)								✓					No
Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.														
<b>2.0</b>	<b>Presence of adequate arrangements for parallel or switched alternative sources</b>													
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply									N/A				No
2.2	Adequate arrangements where generating set operates in parallel with the public supply									N/A				No
2.3	Presence of alternative / additional supply warning notices at the origin of the installation									N/A				No
<b>3.0</b>	<b>Automatic disconnection of supply</b>													
3.1	Main earthing and bonding arrangements:													
3.1.1	Presence and condition of distributor's earthing arrangement								✓					No
3.1.2	Presence and condition of earth electrode arrangement								N/A					No
3.1.3	Adequacy of earthing conductor size								✓					No
3.1.4	Adequacy of earthing conductor connections								✓					No
3.1.5	Accessibility of earthing conductor connections								✓					No
3.1.6	Adequacy of main protective bonding conductor size(s)								✓					No
3.1.7	Adequacy and location of main protective bonding conductor connections								✓					No
3.1.8	Accessibility of main protective bonding connections								✓					No
3.1.9	Accessibility/condition of other protective bonding connections								✓					No
3.1.10	Provision of earthing/bonding labels at all appropriate locations								✓					No
3.2	FELV:													
3.2.1	(FELV) system shall either be a transformer with at least simple separation between windings									N/A				No
3.2.2	Every plug, socket-outlet, luminaire supporting coupler (LSC), device for connecting a luminaire (DCL) and cable coupler in a FELV system not interchangeable with those of other systems within the premises									N/A				No
<b>4.0</b>	<b>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									N/A				No
4.2	Earth-free local equipotential bonding									N/A				No
4.3	Electrical separation									N/A				No
4.4	Double insulation									N/A				No
4.5	Reinforced insulation									N/A				No
<b>5.0</b>	<b>Distribution equipment</b>													
5.1	Adequacy of working space/accessibility of equipment								✓					No
5.2	Security of fixing								✓					No
5.3	Condition of insulation of live parts								✓					No
5.4	Adequacy/security of barriers								C2 (see section K)					No
5.5	Condition of enclosure(s) in terms of IP rating								C2 (see section K)					No
5.6	Condition of enclosure(s) in terms of fire rating								C2 (see section K)					No
5.7	Enclosure not damaged/deteriorated so as to impair safety								C2 (see section K)					No
5.8	Presence and effectiveness of obstacles								✓					No
5.9	Presence of main switch(es), linked where required								C3 (see section K)					No
5.10	Operation of main switch(es) (functional check)								✓					No
5.11	Correct identification of circuit protective devices								✓					No
5.12	Adequacy of protective devices for prospective fault current								✓					No
5.13	RCD(s) provided for fault protection - includes RCBOs								✓					No
5.14	RCD(s) provided for additional protection - includes RCBOs								C2 (see section K)					No
5.15	RCD(s) provided for protection against fire - includes RCBOs								✓					No
5.16	Manual operation of circuit-breakers and RCDs to prove disconnection								✓					No
5.17	Confirmation that integral test button/switch causes RCD(S) to trip when operated (functional check)								✓					No

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome		Comments	
<b>5.0</b>	<b>Distribution equipment (continued)</b>													
5.18	Presence of RCD six-monthly retest notice at or near equipment, where required										✓		No	
5.19	Presence of diagrams, charts or schedules at or near equipment, where required										C3 (see section K)		No	
5.20	Presence of non-standard (mixed) cable colour warning notices at or near equipment, where required										✓		No	
5.21	Presence of next inspection recommendation label										✓		No	
5.22	All other required labelling provided										✓		No	
5.23	Compatibility of protective device(s), base(s) and other components										✓		No	
5.24	Single-pole switching or protective devices in line conductors only										✓		No	
5.25	Protection against mechanical damage where cables enter equipment										✓		No	
5.26	Protection against electromagnetic effects where cables enter ferromagnetic enclosures										✓		No	
<b>6.0</b>	<b>Distribution/final circuits</b>													
6.1	Identification of conductors										✓		No	
6.2	Cables correctly supported throughout their length										✓		No	
6.3	Condition of insulation of live parts										✓		No	
6.4	Non-sheathed cables protected by enclosures in conduit, ducting or trunking										✓		No	
6.5	Suitability of containment systems for continued use (including flexible conduit)										✓		No	
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)										✓		No	
6.7	Indication of SPD(s) continued functionality confirmed										N/A		No	
6.8	Adequacy of AFDD(s), where specified										N/A		No	
6.9	Confirmation that conductor connections, including connections to busbars are correctly located in terminals and are tight and secure										✓		No	
6.10	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration										✓		No	
6.11	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation										✓		No	
6.12	Adequacy of protective devices; type and rated current for fault protection										✓		No	
6.13	Presence and adequacy of circuit protective conductors										✓		No	
6.14	Co-ordination between conductors and overload protective devices										✓		No	
6.15	Cable installation methods/practices appropriate to the type and nature of installation and external influences										✓		No	
6.16	Cables where exposed to direct sunlight, of a suitable type or adequately protected against solar radiation										✓		No	
6.17	Cables adequately protected against damage and abrasion										✓		No	
6.18	Provision of additional protection by an RCD not exceeding 30 mA for:													
6.18.1	- all socket-outlets with a rated current not exceeding 32 A, unless exempt										C2 (see section K)		No	
6.18.2	- supplies for mobile equipment with a rated current not exceeding 32 A for use outdoors										✓		No	
6.18.3	- cables concealed in walls/partitions at a depth of less than 50 mm										✓		No	
6.18.4	- cables concealed in walls/partitions containing metal parts regardless of depth										✓		No	
6.18.5	- circuits supplying luminaires within domestic (household) premises										✓		No	
<b>Note:</b> Older installations designed prior to BS 7671: 2018 may not have been provided with RCDs for additional protection.														
6.19	Provision of fire barriers, sealing arrangements and protection against thermal effects										✓		No	
6.20	Band II cables segregated/separated from Band I cables										✓		No	
6.21	Cables segregated/separated from non-electrical services										✓		No	
6.22	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D):													
6.22.1	Connections under no undue strain										✓		No	
6.22.2	No basic insulation of a conductor, visible outside an enclosure										✓		No	
6.22.3	Connections of live conductors adequately enclosed										✓		No	
6.22.4	Adequacy of connection at point of entry to enclosure										✓		No	
6.23	Temperature rating of cable insulation adequate										✓		No	
6.24	Condition of accessories including socket-outlets, switches and joint boxes satisfactory										✓		No	
6.25	Suitability of accessories for external influences										C2 (see section K)		No	
6.26	Single-pole switching or protective devices in line conductors only										✓		No	
6.27	Adequacy of connections, including CPCs, within accessories and to fixed and stationary equipment										✓		No	

## CONDITION REPORT INSPECTION SCHEDULE FOR COMMERCIAL AND SIMILAR PREMISES WITH GREATER THAN 100A SUPPLY CONTINUED

1391 - Master

Inspected By	Name: Ashley Pittman	Date: 10/09/2021
Signature:		

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

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Board Tests														
TO BE COMPLETED IN EVERY CASE								TEST INSTRUMENTS (SERIAL NUMBERS) USED						
Correct supply polarity confirmed <input checked="" type="checkbox"/>				Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/>				Earth fault loop impedance N/A RCD N/A Insulation resistance N/A Multi-function 102056373 Continuity N/A Other N/A						
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION														
Zs 0.24 Ω Ipf 0.80 kA Operating times of associated RCD (if any) At $I \Delta n$ N/A ms														
Details of circuits and/or equipment vulnerable to damage N/A														
Circuit Tests														
Circuit number and phase	Circuit Impedances $\Omega$				Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance $\Omega$	RCD		Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)	Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Operating time at $I \Delta n$ (ms)	Test button operation	
	$r_1$ (Line)	$r_n$ (Neutral)	$r_2$ (cpc)	$(R_1 + R_2)$										
1/L1				0.11		200	200	200	200	✓	0.35	19	✓	AFDD Test button operation
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/L1				0.17		200	200	200	200		0.35	19	✓	NO
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1				0.30		200	200	200	200	✓	0.59	N/A	N/A	NO
6/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/L1				0.34		200	200	200	200	✓	0.52	N/A	N/A	NO
8/L1				0.30		200	200	200	200	✓	0.58	N/A	N/A	NO
9/L1				0.13		200	200	200	200	✓	0.42	N/A	N/A	NO
10/L1				0.38		200	200	200	200	✓	0.46	N/A	N/A	NO
11/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/L1				0.16		200	200	200	200	✓	0.42	N/A	N/A	NO
14/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L1				0.30		200	200	200	200	✓	0.56	N/A	N/A	NO
Tested By														
Signature								Position		Electrician				
Name				Ashley Pittman				Date of testing		07/09/2021				

Board Details														
TO BE COMPLETED IN EVERY CASE				ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION										
Location of Distribution Board	Main Library OfficeSquare D	Supply to distribution board is from:	SubMains(DB/MDP, 3/L1)				Associated RCD (if any)							
Distribution board designation	DB/WORK ROOM	No of phases	1	Nominal Voltage 230 V		BS(EN)	N/A							
		Overcurrent protective device for the distribution circuit				RCD No of Poles	N/A							
		Type BS(EN)	LIM LIM	Rating	LIM A	RCD Rating	N/A	mA						
Circuit Details														
Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device				RCD		
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	AFDD	Type	Rating (A)		Short circuit capacity (kA)	Operating current (mA)
1/L1	Lights - Main Library	D	B	10	1.5	MW	0.4	60898 MCB		B	10	6	N/A	4.37
2/L1	Lights - Entrance Stairs & O/S	D	B	14	1.5	MW	0.4	60898 MCB		B	6	6	N/A	7.28
3/L1	Sockets - Library, Office & Stairwell	D	B	12	2.5	MW	0.4	61009 RCD/RCBO		B	32	6	30	1.37
4/L1	Lights & Fans - WCs & Workroom Lift Lobby	D	B	10	1	1	0.4	60898 MCB		B	6	6	N/A	7.28
5/L1	Water Heater - Staff Gents WC	H	B	1	2.5	MICC	0.4	60898 MCB		B	16	6	N/A	2.73
6/L1	Fused Spur	D	B	1	2.5	MW	0.4	61009 RCD/RCBO		B	32	6	30	1.37
7/L1	Lights - Work Room & Corridor	D	B	7	1.5	MW	0.4	60898 MCB		B	10	6	N/A	4.37
8/L1	Ring Main - WCs Hand Dryers & Heaters	C	B	6	2.5	2.5	0.4	61009 RCD/RCBO		C	32	6	30	0.68
9/L1	Pillar Sockets - Work Room	D	B	3	2.5	MW	0.4	61009 RCD/RCBO		B	20	6	30	2.19
10/L1	Em Lights - Work Room & Corridor	D	B	2	1.5	MW	0.4	60898 MCB		B	6	6	N/A	7.28
11/L1	Lights - Main Library	D	B	7	1.5	MW	0.4	60898 MCB		B	6	6	N/A	7.28
12/L1	Door Access PSU	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO		B	20	6	30	2.19
13/L1	Alarm - In Corridor	D	B	1	1.5	MW	0.4	60898 MCB		B	6	6	N/A	7.28
14/L1	Circuit Isolated	D	B	...	1	MW	0.4	60898 MCB		B	10	6	N/A	4.37
15/L1	Fused Spur	D	B	1	2.5	MW	0.4	60898 MCB		B	10	6	N/A	4.37
16/L1	Circuit Isolated	D	B	...	2.5	MW	0.4	61009 RCD/RCBO		B	16	6	30	2.73
17/L1	Water Heater - Ladies WC	D	B	1	2.5	MW	0.4	60898 MCB		B	16	6	N/A	2.73
18/L1	Security Barrier & Auto Doors	H	B	2	2.5	MICC	0.4	60898 MCB		C	16	6	N/A	1.37
19/L1	Display Lighting - External	D	B	4	1.5	MW	0.4	60898 MCB		C	6	6	N/A	3.64
20/L1	Socket - Kitchen	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO		B	20	6	30	2.19
21/L1	Lights - Main Library	D	B	8	1.5	MW	0.4	60898 MCB		B	6	6	N/A	7.28
22/L1	Water Heater - Staff Room	D	B	1	2.5	MW	0.4	60898 MCB		B	16	6	N/A	2.73
23/L1	Water Heater - Public WC	D	B	1	4	1.5	0.4	60898 MCB		C	20	6	N/A	1.09
24/L1	Untraced	D	B	...	1.5	MW	0.4	60898 MCB		B	20	6	N/A	2.19

Wiring Code									
A	B	C	D	E	F	G	H	O	
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other	

## SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

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Board Tests															
TO BE COMPLETED IN EVERY CASE							TEST INSTRUMENTS (SERIAL NUMBERS) USED								
Correct supply polarity confirmed <input checked="" type="checkbox"/>			Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/>			Earth fault loop impedance N/A RCD N/A									
Supplementary Conductors <input type="checkbox"/>			Insulation resistance N/A Multi-function 102056373												
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							Continuity N/A Other N/A								
Zs 0.25 Ω Ipf 1.08 kA			Operating times of associated RCD (if any) At $I \Delta n$ N/A ms												
Details of circuits and/or equipment vulnerable to damage N/A															
Circuit Tests															
Circuit number and phase	Circuit Impedances Ω				Insulation resistance					Polarity (V)	Maximum measured earth fault loop impedance Ω	RCD		Remarks see continuation sheet	
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ			Earth/ Neutral MΩ	Operating time at $I \Delta n$ (ms)		Test button operation
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )										
1/L1			1.19		250	200	200	200	200	✓	1.42	N/A	N/A		NO
2/L1			1.10		250	200	200	200	200	✓	1.36	N/A	N/A		NO
3/L1	0.55	0.56	N/A	0.17	250	200	200	200	200	✓	0.41	93	✓		NO
4/L1				0.70	250	200	200	200	200	✓	0.93	N/A	N/A		NO
5/L1				0.13	250	200	200	200	200	✓	0.37	N/A	N/A		NO
6/L1				0.20	250	200	200	200	200	✓	0.44				NO
7/L1				0.50	250	200	200	200	200	✓	0.79	N/A	N/A		NO
8/L1	0.48	0.48	0.55	0.09	250	200	200	200	200	✓	0.34	50	✓		NO
9/L1				0.05	250	200	200	200	200	✓	0.27	34	✓		NO
10/L1				0.13	250	200	200	200	200	✓	0.36	N/A	N/A		NO
11/L1				1.20	250	200	200	200	200	✓	1.45	N/A	N/A		NO
12/L1				0.04	250	200	200	200	200	✓	0.26	89	✓		NO
13/L1				0.05	250	200	200	200	200	✓	0.29	N/A	N/A		NO
14/L1				LIM	250	200	200	200	200		...	N/A	N/A		NO
15/L1				0.20	250	200	200	200	200	✓	0.59	N/A	N/A		NO
16/L1				LIM	250	200	200	200	200		...				NO
17/L1				0.12	250	200	200	200	200	✓	0.33	N/A	N/A		NO
18/L1				0.22	250	200	200	200	200	✓	0.43	N/A	N/A		NO
19/L1				LIM	250	200	200	200	200		...	N/A	N/A		NO
20/L1				0.06	250	200	200	200	200	✓	0.30	80	✓		NO
21/L1				1.25	250	200	200	200	200	✓	1.42	N/A	N/A		NO
22/L1				0.10	250	200	200	200	200	✓	0.35	N/A	N/A		NO
23/L1				0.50	250	200	200	200	200	✓	0.64	N/A	N/A		NO
24/L1				...	250	200	200	200	200		...	N/A	N/A		NO
Tested By															
Signature			A			Position			Electrician						
Name			Ashley Pittman			Date of testing			07/09/2021						

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

1391 - Master

Board Tests															
TO BE COMPLETED IN EVERY CASE							TEST INSTRUMENTS (SERIAL NUMBERS) USED								
Correct supply polarity confirmed <input checked="" type="checkbox"/>			Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/>			Earth fault loop impedance Insulation resistance Continuity	N/A	RCD	N/A						
Supplementary Conductors <input checked="" type="checkbox"/>							N/A	Multi-function	102056373						
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							N/A	Other	N/A						
Zs 0.19 Ω	Ipf 1.23 kA	Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms													
Details of circuits and/or equipment vulnerable to damage															
N/A															
Circuit Tests															
Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (V)	Maximum measured earth fault loop impedance Ω	RCD		Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			Operating time at $I_{\Delta n}$ (ms)	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )		MΩ	MΩ	MΩ	MΩ					
1/L2	0.90	0.93	1.27	0.33	250	200	200	200	200	✓	0.51	90	✓	NO	
2/L2				1.64	250	200	200	200	200	✓	1.81	N/A	N/A	NO	
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6/L2				0.60	250	200	200	200	200	✓	0.80	N/A	N/A	NO	
7/L2				0.33	250	200	200	200	200	✓	0.51	36.2		NO	
8/L2				1.98	250	200	200	200	200	✓	2.10	N/A	N/A	NO	
9/L2				1.25	250	200	200	200	200	✓	1.42	N/A	N/A	NO	
10/L2				1.25	250	200	200	200	200	✓	1.42	N/A	N/A	NO	
11/L2				1.02	250	200	200	200	200	✓	1.19	N/A	N/A	NO	
12/L2				0.49	250	200	200	200	200	✓	0.67	N/A	N/A	NO	
13/L2	>200	>200	>200	0.25	250	200	200	200	200	✓	0.42	50	✓	NO	
14/L2				0.34	250	200	200	200	200	✓	0.53	100	✓	NO	
15/L2	0.58	0.58	0.97	0.40	250	200	200	200	200	✓	0.59	86	✓	NO	
16/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tested By															
Signature						Position			Electrician						
Name			Ashley Pittman			Date of testing			07/09/2021						

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

1391 - Master

## SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

1391 - Master



## SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

1391 - Master

## Board Tests

TO BE COMPLETED IN EVERY CASE		TEST INSTRUMENTS (SERIAL NUMBERS) USED			
Correct supply polarity confirmed	N/A	Phase sequence confirmed (where appropriate)	N/A		
Supplementary Conductors	x				
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Zs	N/A	$\Omega$	lpf	N/A	kA
Operating times of associated RCD (if any) At $I \Delta n$			N/A	ms	
Earth fault loop impedance	N/A	RCD	N/A		
Insulation resistance	N/A	Multi-function	102056373		
Continuity	N/A	Other	N/A		

Details of circuits and/or equipment vulnerable to damage

N/A

## Circuit Tests

Tested By

**Signature**

### Position

## Electrician

Name \_\_\_\_\_

Mike Tales

Date of  
testing

07/09/2021

## SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

1391 - Master

## SCHEDULE OF CIRCUIT TESTS FOR THE INSTALLATION

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1391 - Master

Board Tests															
TO BE COMPLETED IN EVERY CASE							TEST INSTRUMENTS (SERIAL NUMBERS) USED								
Correct supply polarity confirmed <input checked="" type="checkbox"/>			Phase sequence confirmed (where appropriate) <input checked="" type="checkbox"/>												
Supplementary Conductors <input type="checkbox"/>								Earth fault loop impedance	N/A	RCD	N/A				
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							Insulation resistance	N/A	Multi-function	102056373					
Zs 0.20 $\Omega$ Ipf 2.38 kA			Operating times of associated RCD (if any) At $\Delta n$ N/A ms				Continuity	N/A	Other	N/A					
Details of circuits and/or equipment vulnerable to damage															
N/A															
Circuit Tests															
Circuit number and phase	Circuit Impedances $\Omega$					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance $\Omega$	RCD		Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live	Live/ Neutral	Live/ Earth	Earth/ Neutral			Operating time at $\Delta n$ (ms)	Test button operation	
	$r_1$ (Line)	$r_n$ (Neutral)	$r_2$ (cpc)	$(R_1 + R_2)$	$(R_2)$		M $\Omega$	M $\Omega$	M $\Omega$	M $\Omega$					
1/L1			0.77			200	200	200	200	✓	0.93	N/A	N/A	NO	
1/L2			0.36			200	200	200	200	✓	0.43	N/A	N/A	NO	
1/L3			0.23			200	200	200	200	✓	0.27	N/A	N/A	NO	
2/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/L1			0.14			200	200	200	200	✓	0.32	19	✓	NO	
3/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4/L2			0.25		250	200	200	200	200	✓	0.43	N/A	N/A	NO	
4/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tested By															
Signature											Position	Electrician			
Name	Ashley Pittman										Date of testing	10/09/2021			

Observations Continued from Page 2

Item No	Description	Code
6	5 Distribution equipment 5.9 Presence of main switch(es), linked where required	C3
7	5 Distribution equipment 5.14 RCD(s) provided for additional protection - includes RCBOs	C2
8	5 Distribution equipment 5.19 Presence of diagrams, charts or schedules at or near equipment, where required	C3
9	6 Distribution/final circuits 6.18.1 - all socket-outlets with a rated current not exceeding 32 A, unless exempt	C2
10	6 Distribution/final circuits 6.25 Suitability of accessories for external influences	C2
11	No main switch to isolate the entire installation - 1 main switch does DB/MDB and the other does the new lift supply	C3
12	DB/MDP - Asbestos flash guards within fuse carriers. This should be removed asap and before any of the fuses are pulled under load. Recommend DB to be upgraded/replaced	C2
13	Old lift isolator - Asbestos flash guards within fuse carriers. This should be removed asap and before any of the fuses are pulled under load. Recommend to be replaced	C2
14	Old lift isolator - 20/25 mm hole in bottom of isolator	C2
15	DB1 3L1 - Ring main not extended correctly, two spurred circuits coming off it. Landing double socket.	C2
16	Two conduit lids required in work room. Single insulated cables exposed.	C2
17	Two spurs next to upstairs auto doors have no flex outlet inserts fitted.	C3
18	DB1 - 4L1 CPC not terminated to anything in back of switch. Store room.	C3
19	DB/STORE - CCT-3 Socket on reverse of wall from DB is showing missing neutral	C2
20	DB/STORE - CCT-7 No RCD Coverage on sockets	C2
21	Store/Large Office Light switch at bottom of ramp has no earth to it at-all and cpcs have been cut out	C2
22	DB/CHILDRENS - CCT-13 No continuity on ring final circuit across all conductors	C2
23	DB/CHILDRENS -16L2 Cant trace	C2
24	DB/WORK ROOM -24L1 Cant trace	C2
25	DB/WORKSHOP -6L1 RCD failed	C2

## Code Key

C1 - Danger present. Risk of injury. Immediate remedial action required

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

FI - Further investigation required without delay

CONDITION REPORT GUIDANCE FOR RECIPIENTS  
(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
3. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. **For safety reasons it is important that this instruction is followed.**
5. Section 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.
6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. 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.
8. 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.
9. 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 in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit/distribution board.