ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard BS 7671 - Requirements for Electrical Installations

Certificate Reference: 109383824

1 DETAILS OF THE CLIENT

Client: Hand Eye Letter Press

Address: Arch 6 Pinchin Street, London, E1 1SA

2 PURPOSE OF THE REPORT

Purpose for which this report is required:

Clients request

3 DETAILS OF THE INSTALLATION

Installation Address: Same As Client Address

Description of premises: Domestic N/A Commercial N/A Industrial N/A Other: Commercial

Estimated age of electrical installation: 10 years

Evidence of alteration or additions: yes if yes, estimated age: 3 years

Date of previous inspection: 15/07/2015

Records of installation available: N/a

Electrical Installation Certificate No or previous Periodic Inspection Report No: N/A

4 EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

50% of the installation in accordance with item 3.8.2 of Guidance Note 3.

Agreed and operational limitations of the inspection and testing (include reasons and person agreed with):

Limited insulation resistance tests due to parallel paths. visual inspection on equipment above 3M, no circuit tracing or investigatation undertaken, excludes fire alarm, heating & ventilation, portable appliancesAs stated above. Visual inspection on emergency lighting.

The inspection has been carried out in accordance with BS 7671:2008, as amended to 2011. 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.

5 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 on page 1 (see section 2), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see section 7) and the attached schedules (see section 17), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing (see section 4).

For the INSPECTION, TESTING AND ASSESSMENT of the report:

Name: Barry Jones Position: Engineer Signature:  Date: 24/03/2017

Report reviewed and authorised for issue by:

Name: Bob Holmes Position: Qualified Supervisor Signature:  Date: 03/04/2017

6 SUMMARY OF THE CONDITION OF THE INSTALLATION

See page 3 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*: SATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached Schedule(s) of Inspections and Test Results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

✔ There are no items adversely affecting electrical safety

or

N/A The following observations and recommendations are made

Item No	Observations	Classification Code	Further Investigation Required
1			No

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

C2 Potentially dangerous
Urgent remedial action required

C3 Improvement recommended

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	N/A
Improvement recommended for items:	N/A
Further investigation required for items:	N/A

8 RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.

Investigation without delay is recommended for observations identified as 'Further Investigation Required'.

Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

General condition of the installation in terms of electrical safety:

Installation is satisfactory

9 NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

5 Years (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items in section 7 which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see section 7).

10 DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title: R J Holmes Electrical Contractors Ltd

Address: 10 Wellesley Road
Wanstead
London
Postcode: E11 2HF

Registration Number: 19495

Telephone Number: 0208 281 4849

11 SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)		Number and Type of Live Conductors						Nature of Supply Parameters		Characteristics of Primary Supply Overcurrent Protective Device(s)	
		ac:	✔			dc:	N/A				
TN-S	N/A	1-phase (2 wire):	N/A	1-phase (3 wire):	N/A	2 pole:	N/A	Nominal voltage(s): U:	400 V Uo: 230 V		
TN-C-S	✔	2-phase (3 wire):	N/A			3 pole:	N/A	Nominal frequency, f:	50 Hz	BS(EN):	1361 Fuse HBC
TNC	N/A	3-phase (3 wire):	N/A	3-phase (4 wire):	✔	Other:	N/A	Prospective fault current, Ipf:	1.6 kA	Type:	2
TT	N/A	Other:	N/A					External earth fault loop impedance, Ze:	0.14 Ω	Rated current:	100 A
IT	N/A	Confirmation of supply polarity:	✔					Number of supplies:	1	Short-circuit capacity:	33 kA

12 PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of Earthing

Distributor's facility: ✔

Installation earth electrode: N/A

Details of Installation Earth Electrode (where applicable)

Type: N/A

Location: N/A

Electrode resistance, RA: N/A Ω

Method of measurement: N/A

Main Switch or Circuit-Breaker

Type BS(EN):	60947-3 Isolator	Voltage rating:	400 V
Number of poles:	3	Rated current, In:	125 A
Supply conductors material:	Copper	RCD operating current:	N/A mA
Supply conductors csa:	25 mm²	RCD rated time delay:	N/A ms
		RCD operating time:	N/A ms

Earthing and Protective Bonding Conductors

Earthing conductor — Conductor material: Copper — Conductor csa: 16 mm² — Continuity & connection verified: ✔

Main protective bonding conductors — Conductor material: Copper — Conductor csa: 10 mm² — Continuity & connection verified: ✔

Bonding of extraneous-conductive parts — Water service: ✔ — Gas service: N/A — Oil service: N/A — Lightning protection: N/A — Structural Steel: N/A — Other incoming service(s): N/A

13 INSPECTION SCHEDULE

Item No	Description	Comment	Outcome	Further Investigation Required
1.0 CONDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT				
1.1	Service cable	N/A	Pass	
1.2	Service cut-out/fuse(s)	N/A	Pass	
1.3	Meter tails - Distributor	N/A	Pass	
1.4	Meter tails - Consumer	N/A	Pass	
1.5	Metering equipment	N/A	Pass	
1.6	Means of main isolation (where present)	N/A	Pass	
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES (551.6; 551.7)	N/A	N/A	
3.0 AUTOMATIC DISCONNECTION OF SUPPLY				
3.1 Main earthing and bonding arrangements (411.3; Chapter 54)				
3.1.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	N/A	Pass	
3.1.2	Presence and condition of earth electrode arrangement (542.1.2.3)	N/A	N/A	
3.1.3	Adequacy of earthing conductor size (542.3; 543.1.1)	N/A	Pass	
3.1.4	Adequacy of earthing conductor connections (542.3.2)	N/A	Pass	
3.1.5	Accessibility of earthing conductor connections (543.3.2)	N/A	Pass	
3.1.6	Adequacy of main protective bonding conductor size(s) (544.1)	N/A	Pass	
3.1.7	Adequacy of main protective bonding conductor connections (543.3.2; 544.1.2)	N/A	Pass	
3.1.8	Accessibility of main protective bonding connections (543.3.2)	N/A	Pass	
3.1.9	Provision of earthing/bonding labels at all appropriate locations (514.11)	N/A	Pass	
3.2 FELV				
3.2.1	Source providing at least simple separation	N/A	N/A	
3.2.2	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	N/A	
3.3 Reduced low voltage				
3.3.1	Adequacy of source	N/A	N/A	
3.3.2	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	N/A	
4.0 OTHER METHODS OF PROTECTION (where the methods of protection listed below are employed, details should be provided on separate sheets)				
4.1	Double insulation (Section 412)	N/A	Pass	
4.2	Reinforced insulation (Section 412)	N/A	N/A	
4.3	Use of obstacles (417.2)	N/A	N/A	
4.4	Placing out of reach (417.3)	N/A	N/A	
4.5	Non-conducting location (418.1)	N/A	N/A	
4.6	Earth-free local equipotential bonding (418.2)	N/A	N/A	
4.7	Electrical separation for more than one item of equipment (Section 413; 418.3)	N/A	N/A	
5.0 DISTRIBUTION EQUIPMENT				
5.1	Adequacy of working space/accessibility of equipment (132.12; 513.1)	N/A	Pass	
5.2	Security of fixing (134.1.1)	N/A	Pass	
5.3	Condition of insulation of live parts (416.1)	N/A	Pass	
5.4	Adequacy/security of barriers (416.2)	N/A	Pass	
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	N/A	Pass	

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A

14 INSPECTION SCHEDULE

Item No	Description	Comment	Outcome	Further Investigation Required
5.0 DISTRIBUTION EQUIPMENT (CONTINUED)				
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 526.5)	N/A	Pass	
5.7	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A	Pass	
5.8	Presence of main switch(es), linked where required (537.1.2; 537.1.4)	N/A	Pass	
5.9	Operation of main switch(es) (functional check) (612.13.2)	N/A	Pass	
5.10	Correct identification of circuit protective devices	N/A	Pass	
5.11	Adequacy of protective devices for prospective fault current	N/A	Pass	
5.12	RCD(s) provided for fault protection - includes RCBOs (414.4.9; 411.5.2; 531.2)	n/a	Pass	
5.13	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	N/A	Pass	
5.14	RCD(s) provided for protection against fire - includes RCBOs	N/A	Pass	
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	N/A	Pass	
5.16	Presence of RCD retest notice at or near equipment where required (514.12.2)	N/A	Pass	
5.17	Presence of diagrams, charts or schedules at or near equipment where required (514.9.1)	N/A	Pass	
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required (514.14)	N/A	N/A	
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required (514.15)	N/A	N/A	
5.20	Presence of replacement next inspection recommendation label (514.12.1)	N/A	Pass	
5.21	Presence of other required labelling (please specify) (Section 514)	N/A	Pass	
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)	N/A	Pass	
5.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	N/A	Pass	
5.24	Protection against electromagnetic effects where cables enter metallic enclosures (521.5.1)	N/A	N/A	
6.0 DISTRIBUTION/FINAL CIRCUITS				
6.1	Identification of conductors (514.3.1)	N/A	Pass	
6.2	Cables correctly supported throughout their length (522.8.5)	N/A	Pass	
6.3	Condition of insulation of live parts (416.1)	N/A	Pass	
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1)	N/A	Pass	
6.5	Suitability of containment systems for continued use (including flexible conduit) (Section 522)	N/A	Pass	
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section 4 of report) (Section 526)	N/A	Pass	
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration (421.1; 522.6)	n/A	Pass	
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation (Section 523)	N/A	Pass	
6.9	Adequacy of protective devices; type and rated current for fault protection (411.3)	N/A	Pass	
6.10	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	N/A	Pass	
6.11	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	N/A	Pass	

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A

15 INSPECTION SCHEDULE

Item No	Description	Comment	Outcome	Further Investigation Required
6.0 DISTRIBUTION/FINAL CIRCUITS (CONTINUED)				
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences (Section 522)	N/A	Pass	
6.13	Cables where exposed to direct sunlight, of a suitable type (522.11.1)	N/A	N/A	
6.14	Concealed cables installed in prescribed zones (see extent and limitations) (522.6.101)	N/A	N/A	
6.15	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage caused by nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations) (522.6.101; 522.6.103)	N/A	N/A	
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions (522.6.102; 522.6.103)	N/A	N/A	
6.17 - Provision of additional protection by 30 mA RCD				
6.17.1	Where reasonably likely to be used to supply mobile equipment for use outdoors (411.3.3)	N/A	Pass	
6.17.2	For all socket-outlets of rating 20 A or less provided for use by ordinary persons (411.3.3)	N/A	N/A	
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	N/A	N/A	
6.19	Band II cables segregated/separated from Band I cables (528.1)	N/A	N/A	
6.20	Cables segregated/separated from non-electrical services (528.3)	N/A	N/A	
6.21 - Termination of cables at enclosures(identify numbers and locations of items inspected in Section 4) (Section 526)				
6.21.1	Connections under no undue strain (526.6)	N/A	Pass	
6.21.2	No basic insulation of a conductor visible outside an enclosure (526.8)	N/A	Pass	
6.21.3	Connections of live conductors adequately enclosed (526.5)	N/A	N/A	
6.21.4	Adequacy of connection at point of entry to enclosure (gland, bush or similar) (522.8.5)	N/A	Pass	
6.22	General condition of wiring systems (621.2(ii))	N/A	Pass	
6.23	Temperature rating of cable insulation (522.1.1; Table 52.1)	N/A	Pass	
6.24	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))	n/a	Pass	
6.25	Suitability of accessories for external influences (512.2)	N/A	Pass	
7.0 ISOLATION AND SWITCHING				
7.1 Isolators (537.2)				
7.1.1	Presence and condition of appropriate devices (537.2.2)	N/A	Pass	
7.1.2	Acceptable location - state if local or remote from equipment in question (537.2.1.5)	N/A	Pass	
7.1.3	Capable of being secured in the OFF position (537.2.1.2)	N/A	Pass	
7.1.4	Correct operation verified (612.13.2)	N/A	Pass	
7.1.5	Clearly identified by position and/or durable marking(s) (537.2.2.6)	N/A	Pass	
7.1.6	Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.2.1.3)	N/A	N/A	
7.2 Switching off for mechanical maintenance (537.3)				
7.2.1	Presence and condition of appropriate devices (537.3.1.1)	N/A	Pass	
7.2.2	Acceptable location - state if local or remote from equipment in question (537.3.2.4)	N/A	Pass	

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A

16 INSPECTION SCHEDULE

Item No	Description	Comment	Outcome	Further Investigation Required
7.0 ISOLATION AND SWITCHING (CONTINUED)				
7.2.3	Capable of being secured in the OFF position (537.3.2.3)	N/A	Pass	
7.2.4	Correct operation verified (612.13.2)	N/A	Pass	
7.2.5	Clearly identified by position and/or durable marking(s) (537.3.2.4)	N/A	Pass	
7.3 Emergency switching/stopping (537.4)				
7.3.1	Presence and condition of appropriate devices (537.4.1.1)	N/A	N/A	
7.3.2	Readily accessible for operation where danger might occur (537.4.2.5)	N/A	Pass	
7.3.3	Correct operation verified (537.4.2.6)	N/A	N/A	
7.3.4	Clearly identified by position and/or durable marking(s) (537.4.2.7)	N/A	N/A	
7.4 Functional switching (537.5)				
7.4.1	Presence and condition of appropriate devices (537.5.1.1)	N/A	N/A	
7.4.2	Correct operation verified (537.5.1.3; 537.5.2.2)	N/A	N/A	
8.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)				
8.1	Condition of equipment in terms of IP rating etc (416.2)	N/A	Pass	
8.2	Equipment does not constitute a fire hazard (Section 421)	N/A	Pass	
8.3	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	N/A	Pass	
8.4	Suitability for the environment and external influences (512.2)	N/A	Pass	
8.5	Security of fixing (134.1.1)	N/A	Pass	
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section 4 of report)	N/A	Pass	
8.7 Recessed luminaires (e.g. downlighters)				
8.7.1	Correct type of lamps fitted	N/A	Pass	
8.7.2	Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.1)	N/A	Pass	
8.7.3	No signs of overheating to surrounding building fabric (559.5.1)	N/A	Pass	
8.7.4	No signs of overheating to conductors/terminations (526.1)	N/A	Pass	
9.0 LOCATION(S) CONTAINING A BATH OR SHOWER				
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	N/A	N/A	
9.2	Where used as a protective measure, requirements for SELV or PELV are met (701.414.4.5)	N/A	N/A	
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)	N/A	N/A	
9.4	Presence of supplementary bonding conductors unless not required by BS 7671:2008 (701.415.2)	N/A	N/A	
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 (701.512.3)	N/A	N/A	
9.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	N/A	
9.7	Suitability of equipment for installation in a particular zone (701.512.3)	N/A	N/A	
9.8	Suitability of current-using equipment for a particular position within the location (701.55)	N/A	N/A	
10.0 OTHER SPECIAL INSTALLATIONS OR LOCATIONS List all other special installation or locations present, if any. (Record separately the results of particular inspections applied.)				
10.1		N/A	N/A	
10.2				

OUTCOMES

Acceptable condition	PASS	Unacceptable condition	C1 or C2	Improvement recommended	C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A

17 CIRCUIT DETAILS

Distribution board designation: Merlin DB Location: By front door

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa Live mm²	Circuit conductors: csa cpc mm²	Max disconnect time permitted by BS7671 s	Overcurrent protective devices BS(EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating A	Overcurrent protective devices Short-circuit Capacity kA	RCD Operating current mA	Maximum Zs permitted by BS7671 Ω
16	Isolator 1 3 phase												
17	Isolator 1 3 phase	F	C	1	2.5	20	0.4	60898	B	20	10	N/A	2.30
18	Isolator 1 3 phase												
19	Isolator 2 3 phase												
20	Isolator 2 3 phase	F	C	1	2.5	20	0.4	60898	B	20	10	N/A	2.30
21	Isolator 2 3 phase												
22	Isolator 3 3 phase												
23	Isolator 3 3 phase	F	C	1	2.5	20	0.4	60898	B	20	10	N/A	2.30
24	Isolator 3 3 phase												
25													

Type of Wiring O-Other: N/A

18 BOARD CHARACTERISTICS

APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION

Supply to this distribution board is from: MEM DB No of phases: 3

Overcurrent protective device for the distribution circuit: BS(EN): 60898 MCB - Type C Rating: 63 A Nominal Voltage: 400 V

RCD BS(EN): N/A No of poles: 4 Rating: N/A mA

Confirmation of supply polarity ✔ Zs: 0.15 Ω Ipf: 1.6 kA RCD operating times At In: N/A ms At 5In: N/A ms

19 TEST RESULTS

Distribution board designation: Merlin DB | Location: By front door

Circuit number	Circuit impedances (Ohms)					Insulation resistance (record lower or lowest value)				Polarity	Maximum measured earth fault loop impedance Zs	RCD Operating times		
	Ring final circuits only (measured end to end)			All circuits (one column to be completed)		Line/ Line	Line/ Neutral	Line/ Earth	Neutral/ Earth			At In	At 5 In	Test button operation ✔
	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	MΩ	MΩ	MΩ	✔	Ω	ms	ms	
16														
17	N/A	N/A	N/A	0.16	N/A	N/A	> 200	> 200	> 200	✔	0.37	N/A	N/A	N/A
18														
19														
20	N/A	N/A	N/A	0.33	N/A	N/A	> 200	> 200	> 200	✔	0.67	N/A	N/A	N/A
21														
22														
23	N/A	N/A	N/A	0.41	N/A	N/A	> 200	> 200	> 200	✔	0.55	N/A	N/A	N/A
24														
25														

20 DETAILS OF TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	u	Earth electrode resistance:	N/A
Insulation resistance:	RJH 2	Earth fault loop impedance:	RJH 1
Continuity:	RJH 2	RCD:	RJH3

21 TESTED BY

Name: Barry Jones | Position: Engineer | Signature: | Date: 24/03/2017

CIRCUIT DETAILS

Distribution board designation: MEM DB Location: By front door

Circuit number	Circuit designation	Type of wiring	Reference Method	Number of points served	Circuit conductors: csa Live mm2	Circuit conductors: csa cpc mm2	Max disconnect time permitted by BS7671 s	Overcurrent protective devices BS(EN)	Overcurrent protective devices Type No	Overcurrent protective devices Rating A	Overcurrent protective devices Short-circuit Capacity kA	RCD Operating current mA	Maximum Zs permitted by BS7671 Ω
1	Sockets left side	E	B	lim	2.5	2.5	0.4	61009	C	32	10	30	0.72
2	Spur in toilet	E	B	lim	2.5	2.5	0.4	61009	C	16	10	30	1.44
3	Water Heater	E	B	1	2.5	2.5	0.4	61009	C	20	10	30	1.15
4	-												
5	3 Phase Heildelberg	F	C	1	2.5	20	0.4	60898	C	20	10	N/A	1.15
6	-												
7	-												
8	3 Phase Heilelberg platen	F	C	1	25	20	0.4	60898	C	20	10	N/A	1.15
9	-												
10	Sockets right side	E	B	lim	2.5	2.5	0.4	60898	C	32	10	N/A	0.72
11	Lights	E	B	lim	1.5	1.5	0.4	60898	C	6	10	N/A	3.83
12	Roller Shutter	E	B	1	2.5	2.5	0.4	60898	B	16	10	N/A	2.87
13	-												
14	Merlin DB	E	B	1	16	16	0.4	60898	C	63	10	N/A	0.36
15	-												
16	-												
17	3 Phase proofing press	F	C	1	2.5	20	0.4	60898	C	20	10	N/A	1.15
18	-												
19													

Type of Wiring O-Other: N/A

BOARD CHARACTERISTICS

APPLIES WHEN THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION

Supply to this distribution board is from: Origin No of phases: 3

Overcurrent protective device for the distribution circuit: BS(EN): 1361 Fuse HBC - Type 2 Rating: 100 A Nominal Voltage: 400 V

RCD BS(EN): N/A No of poles: N/A Rating: N/A mA

Confirmation of supply polarity ✔ Zs: 0.14 Ω Ipf: 1.6 kA RCD operating times At In: n/a ms At 5In: n/a ms

TEST RESULTS

Distribution board designation: MEM DB Location: By front door

Circuit number	Circuit impedances (Ohms)					Insulation resistance (record lower or lowest value)				Polarity	Maximum measured earth fault loop impedance Zs	RCD Operating times		
	Ring final circuits only (measured end to end)			All circuits (one column to be completed)		Line/ Line	Line/ Neutral	Line/ Earth	Neutral/ Earth			At In	At 5 In	Test button operation ✔
	r1 (Line)	rn (Neutral)	r2 (cpc)	R1+R2	R2	MΩ	MΩ	MΩ	MΩ	✔	Ω	ms	ms	
1	0.29	0.29	0.26	0.38	N/A	N/A	> 200	> 200	> 200	✔	0.55	18	12	✔
2	N/A	N/A	N/A	0.27	N/A	N/A	> 200	> 200	> 200	✔	0.39	16	9	✔
3	N/A	N/A	N/A	0.22	N/A	N/A	> 200	> 200	> 200	✔	0.38	21	15	✔
4														
5	N/A	N/A	N/A	0.16	N/A	>200	> 200	> 200	> 200	✔	0.32	N/A	N/A	N/A
6														
7														
8	N/A	N/A	N/A	0.17	N/A	>200	> 200	> 200	> 200	✔	0.31	N/A	N/A	N/A
9														
10	0.41	0.41	0.38	0.44	N/A	N/A	> 200	> 200	> 200	✔	0.59	N/A	N/A	N/A
11	N/A	N/A	N/A	0.76	N/A	N/A	> 200	> 200	> 200	✔	0.99	N/A	N/A	N/A
12	N/A	N/A	N/A	0.30	N/A	N/A	> 200	> 200	> 200	✔	0.44	N/A	N/A	N/A
13														
14	N/A	N/A	N/A	0.04	N/A	>200	> 200	> 200	> 200	✔	0.15	N/A	N/A	N/A
15														
16														
17	N/A	N/A	N/A	0.50	N/A	>200	> 200	> 200	> 200	✔	0.65	N/A	N/A	N/A
18														
19														

DETAILS OF TEST INSTRUMENTS

Details of Test Instruments used (state serial and/or asset numbers):

Multi-functional:	u	Earth electrode resistance:	N/A
Insulation resistance:	RJH 2	Earth fault loop impedance:	RJH 1
Continuity:	RJH 2	RCD:	RJH3

TESTED BY

Name: Barry Jones Position: Engineer Signature: Date: 24/03/2017

ELECTRICAL INSTALLATION CONDITION REPORT
GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

This Report is an important and valuable document which should be retained for future reference.
The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in satisfactory condition for continued service (see Section 6). The Report should identify any damage, deterioration, defects and/or condition which may give rise to danger.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

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 a residual current device (RCD) there should be a notice at or near the device stating that it should be tested quarterly. For safety reasons it is important that this instruction is followed.

Section 4 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with the 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 4 - Extent and Limitations on page 1.

For items classified in the observations as C1 ("Danger present"), the safety of those using the installation is at risk, and it is recommended that a competent person undertakes the necessary remedial work immediately.

For items classified in the observations as C2 ("Potentially dangerous"), the safety of those using the installation may be at risk and it is recommended that a competent person undertakes the necessary remedial work as a matter of urgency.

Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of the 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 7 - Recommendations).

For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a competent person. The recommended date by which the next inspection is due is stated on page 3 under section 9 'Next Inspection', and on a label at or near to the consumer unit / distribution board.