

# ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX

Original (To the person ordering the work)

## A. DETAILS OF THE CLIENT

Client: SAMPLE REPORT

Address: Station Street West Business Park  
Coventry

Postcode: CV6 5BP

## B. PURPOSE OF THE REPORT

*This report must be used only for reporting on the condition of an existing installation.*

Purpose for which this report is required: To check the integrity and safety of the electrical installation in relation to current standards.

Date(s) on which inspection and testing were carried out: 16/08/2012

## C. DETAILS OF THE INSTALLATION

Occupier: SAMPLE REPORT

Address: Station Street West Business Park  
Coventry

Postcode: CV6 5BP

Estimated age of the electrical installation: 30 years  
Description of premises: domestic, commercial, industrial, other (Please state) Commercial  
Evidence of alterations or additions  If yes, estimated age 10 years

Date of previous inspection: 08/01/2010  
Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: UNKNOWN

Records of installation available: No  
Records held by: UNKNOWN

## D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

100% visual inspection of the whole premises supplemented with metered tests to include continuity, polarity, insulation resistance, earth fault loop impedance and RCD tests.  
10% of accessories internally inspected. Inspection & Testing undertaken in accordance with IET Guidance Note 3.

Agreed limitations (including the reasons), if any, on the inspection and testing:

20% of final circuits tested as mutually agreed with the client. Limited inspection of the sealed overcurrent protective devices at the origin of the installation.  
Circuits feeding essential items shall not be isolated.

Agreed with: Alex King

Operational limitations including the reasons (see page No. N/A )

Unable to gain access to high bay lighting in various areas.  
See observations and recommendations for further information.

The inspection has been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected.

## E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

The electrical installation is generally in a fair condition for its age. Some work is required for it to comply with BS7671. There is a general lack of RCD protection and circuit charts.  
There appears to be some water damage to the ceiling/roof which may have an adverse effect on the electrical system.

Summary of the condition of the installation continued on additional pages? No  Yes  Specify page

Overall assessment of the installation: **SATISFACTORY** UNSATISFACTORY (Delete as appropriate)

An 'Unsatisfactory' assessment indicates that dangerous and/or potentially dangerous conditions have been identified



# ELECTRICAL INSTALLATION CONDITION REPORT

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## H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4,5,6  
 Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s)   
 Schedule of Test Results for the Installation: Page No(s)

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

## I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than  (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items at F 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 F).

## J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title:

Address:

Telephone number:

Email Address:

Enrolment number:  (Essential information)

Branch number:  (if applicable)

Postcode: CV6 5BP

## K. 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)				
		a.c.	d.c.			N/A	Nominal Voltage(s): U <sup>(1)</sup>	V	U <sub>0</sub> <sup>(1)</sup>	V	BS(EN)	88	Type	II	
TN-S	N/A	<input checked="" type="checkbox"/>					400		230						
TN-C-S	<input checked="" type="checkbox"/>	1-phase (2 wire)	N/A	1-phase (3 wire)	N/A	2 pole	N/A	50	Hz	Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values (4) by measurement					
TN-C	N/A	2-phase (3 wire)	N/A			3 pole	N/A	Prospective fault current, I <sub>pf</sub> <sup>(2)(3)</sup>	LIM	kA			Rated current	100	A
TT	N/A	3-phase (3 wire)	N/A	3-phase (4 wire)	<input checked="" type="checkbox"/>	other	N/A	External earth fault loop impedance, Z <sub>e</sub> <sup>(2)(3)</sup>	LIM	Ω			Short-circuit capacity	80	kA
IT	N/A	Other	N/A					Number of sources	1				Confirmation of supply polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of Earthing		Details of Installation Earth Electrode (where applicable)				
Distributor's facility:	<input checked="" type="checkbox"/>	Type: (eg rod(s), tape etc)	<input type="text" value="N/A"/>		Location:	<input type="text" value="N/A"/>
Installation earth electrode:	<input type="checkbox"/>	Electrode resistance, R <sub>A</sub> :	<input type="text" value="N/A"/>	(Ω)	Method of measurement:	<input type="text" value="N/A"/>

Main Switch or Circuit-Breaker				Earthing and protective bonding conductors			
Type: BS(EN)	<input type="text" value="60947/2"/>	Voltage rating	<input type="text" value="400"/>	V	Earthing conductor	Conductor material	<input type="text" value="Copper"/>
No of Poles	<input type="text" value="4"/>	Rated current, I <sub>n</sub>	<input type="text" value="100"/>	A	Conductor csa	<input type="text" value="25"/>	
Primary supply conductors material	<input type="text" value="Copper"/>	RCD operating current, I <sub>Δn</sub> *	<input type="text" value="N/A"/>	mA	Connection/continuity verified	<input checked="" type="checkbox"/>	mm <sup>2</sup>
Primary supply conductors csa	<input type="text" value="25"/>	Rated time delay	<input type="text" value="N/A"/>	ms			
		RCD operating time (at I <sub>Δn</sub> )*	<input type="text" value="N/A"/>	ms			

Main protective bonding conductors		Bonding of extraneous-conductive-parts (✓)	
Conductor material	<input type="text" value="Copper"/>	Water service	<input checked="" type="checkbox"/>
Conductor csa	<input type="text" value="16"/>	Oil service	<input type="text" value="N/A"/>
Connection/continuity verified	<input checked="" type="checkbox"/>	Gas Service	<input checked="" type="checkbox"/>
		Structural steel	<input checked="" type="checkbox"/>
		Other incoming service(s)	<input type="text" value="N/A"/>
		Lightning protection	<input checked="" type="checkbox"/>
		Specify	<input type="text" value="N/A"/>

\* (applicable only where an RCD is suitable and is used as a main circuit-breaker)

# ELECTRICAL INSTALLATION CONDITION REPORT

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

†

Item	Description	Outcome *	Location reference
<b>1.0 Condition/adequacy of distributor's/supply intake equipment</b>			
1.1	Service cable	✓	
1.2	Service cut-out/fuse(s)	✓	
1.3	Meter tails - distributor	✓	
1.4	Meter tails - consumer	✓	
1.5	Metering equipment	✓	
1.6	Means of main isolation (where present)	✓	
2.0	Presence of adequate arrangements for parallel or switched alternative sources	N/A	
<b>3.0 Automatic disconnection of supply</b>			
<b>3.1 Main earthing and bonding arrangements</b>			
*	Presence and condition of distributor's earthing arrangement	✓	
*	Presence and condition of earth electrode arrangement	N/A	
*	Adequacy of earthing conductor size	✓	
*	Adequacy of earthing conductor connections	✓	
*	Accessibility of earthing conductor connections	✓	
*	Adequacy of main protective bonding conductor size(s)	C2	Section F
*	Adequacy of main protective bonding conductor connections	LIM	
*	Accessibility of main protective bonding connections	✓	
*	Provision of earthing/bonding labels at all appropriate locations	✓	
<b>3.2 FELV</b>			
*	Source providing at least simple separation	N/A	
*	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	✓	
<b>3.3 Reduced low voltage</b>			
*	Adequacy of source	N/A	
*	Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
<b>4.0 Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets)</b>			
4.1	Double insulation	✓	
4.2	Reinforced insulation	N/A	
4.3	Use of obstacles	N/A	
4.4	Placing out of reach	N/A	
4.5	Non-conducting location	N/A	
4.6	Earth-free local equipotential bonding	N/A	
4.7	Electrical separation for more than one item of equipment	N/A	
<b>5.0 Distribution equipment</b>			
5.1	Adequacy of working space/accessibility of equipment	✓	
5.2	Security of fixing	✓	
5.3	Condition of insulation of live parts	✓	
5.4	Adequacy/security of barriers	✓	
5.5	Condition of enclosure(s) in terms of IP rating	✓	
5.6	Condition of enclosure(s) in terms of fire rating	✓	
5.7	Enclosure not damaged/deteriorated so as to impair safety	✓	
5.8	Presence of main switch(es), linked where required	✓	
5.9	Operation of main switch(es) (functional check)	✓	
5.10	Correct identification of circuit protective devices	✓	
5.11	Adequacy of protective devices for prospective fault current	✓	
5.12	RCD(s) provided for fault protection - includes RCBOs	✓	

\* All Boxes must be completed

✓ indicates **Acceptable condition**

'LIM' indicates a **limitation**

'N/A' indicates **Not applicable**

**Unacceptable condition state C1 or C2**

**Improvement recommended state C3**

**Further investigation required state F/I**  
(to determine whether danger or potential danger exists)

**Outcome**

Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

# ELECTRICAL INSTALLATION CONDITION REPORT

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

†

Item	Description	Outcome *	Location reference
5.13	RCD(s) provided for additional protection - includes RCBOs	C3	Section F
5.14	RCD(s) provided for protection against fire - includes RCBOs	LIM	
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	✓	
5.16	Presence of RCD retest notice at or near equipment where required	✓	
5.17	Presence of diagrams, charts or schedules at or near equipment where required	C2	See Observations
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	N/A	
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required	N/A	
5.20	Presence of replacement next inspection recommendation label	✓	
5.21	Presence of other required labelling (specify)	C3	Section F
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	C2	See Observations
5.23	Protection against mechanical damage where cables enter equipment	✓	
5.24	Protection against electromagnetic effects where cables enter metallic enclosures	✓	
<b>6.0 Distribution/final circuits</b>			
6.1	Identification of conductors	✓	
6.2	Cables correctly supported throughout their length	✓	
6.3	Condition of insulation of live parts	✓	
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking	C2	Section F
6.5	Suitability of containment systems for continued use (including flexible conduit)	✓	
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	✓	
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	✓	
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	LIM	
6.9	Adequacy of protective devices; type and rated current for fault protection	✓	
6.10	Presence and adequacy of circuit protective conductors	C2	See Observations
6.11	Co-ordination between conductors and overload protective devices	N/A	
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences	LIM	
6.13	Cables where exposed to direct sunlight, of a suitable type	LIM	
6.14	Concealed cables installed in prescribed zones (see extent and limitations)	✓	
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)	✓	
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions	N/A	
6.17	Provision of additional protection by 30 mA RCD		
	* Where reasonably likely to be used to supply mobile equipment for use outdoors	LIM	
	* For all socket-outlets of rating 20 A or less provided for use by ordinary persons	C3	See Observations
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	LIM	
6.19	Band II cables segregated/separated from Band I cables	C3	See Observations
6.20	Cables segregated/separated from non-electrical services	LIM	
6.21	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)		
	* Connections under no undue strain	✓	
	* No basic insulation of a conductor visible outside an enclosure	✓	
	* Connections of live conductors adequately enclosed	✓	
	* Adequacy of connection at point of entry to enclosure (gland, bush or similar)	✓	
6.22	General condition of wiring systems	✓	
6.23	Temperature rating of cable insulation	LIM	
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✓	
6.25	Suitability of accessories for external influences	LIM	

\* All Boxes must be completed

✓ indicates Acceptable condition

'LIM' indicates a limitation

'N/A' indicates Not applicable

Unacceptable condition state C1 or C2

Improvement recommended state C3

Further investigation required state F/I  
(to determine whether danger or potential danger exists)

Outcome

Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

Original (To the person ordering the work)

# ELECTRICAL INSTALLATION CONDITION REPORT

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

†

Item	Description	Outcome *	Location reference
<b>7.0 Isolation and switching</b>			
<b>7.1 Isolators</b>			
	* presence and condition of appropriate devices	✓	
	* acceptable location	✓	
	* capable of being secured in the OFF position	✓	
	* correct operation verified	LIM	
	* clearly identified by position and/or durable marking(s)	✓	
	* Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N/A	
<b>7.2 Switching off for mechanical maintenance</b>			
	* presence and condition of appropriate devices	✓	
	* acceptable location	✓	
	* capable of being secured in the OFF position	✓	
	* correct operation verified	LIM	
	* clearly identified by position and/or durable marking(s)	✓	
<b>7.3 Emergency switching/stopping</b>			
	* presence and condition of appropriate devices	N/A	
	* readily accessible for operation where danger might occur	N/A	
	* correct operation verified	N/A	
	* clearly identified by position and/or durable marking(s)	N/A	
<b>7.4 Functional switching</b>			
	* presence and condition of appropriate devices	✓	
	* correct operation verified	✓	
<b>8.0 Current-using equipment (permanently connected)</b>			
8.1	Condition of equipment in terms of IP rating	✓	
8.2	Equipment does not constitute a fire hazard	✓	
8.3	Enclosure not damaged/deteriorated so as to impair safety	✓	
8.4	Suitability for the environment and external influences	✓	
8.5	Security of fixing	✓	
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 D of report)	✓	
<b>8.7 Recessed luminaires (e.g. downlighters)</b>			
	* correct type of lamps fitted	N/A	
	* installed to minimise build-up of heat by use of fire rated fittings, insulation displacement box or similar	N/A	
	* no signs of overheating to surrounding building fabric	N/A	
	* no signs of overheating to conductors/terminations	N/A	
<b>9.0 Location(s) containing a bath or shower</b>			
9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	N/A	
9.2	Where used as a protective measure, requirements for SELV or PELV are met	N/A	
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A	
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	N/A	
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A	
9.6	Suitability of equipment for external influences for installed location in terms of IP rating	N/A	
9.7	Suitability of equipment for installation in a particular zone	N/A	
9.8	Suitability of current-using equipment for a particular position within the location	N/A	
<b>10.0 Other special installations or locations</b>			
	List special locations present, if any. List the results of particular inspections applied:- a separate page is required for each location	N/A	

**\* All Boxes must be completed**

✓ indicates **Acceptable condition**

'LIM' indicates **limitation**

'N/A' indicates **Not applicable**

**Unacceptable condition** state **C1** or **C2**

**Improvement recommended** state **C3**

**Further investigation required** state **F/I**  
(to determine whether danger or potential danger exists)

**Outcome**

Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

Original (To the person ordering the work)







**SAMPLE REPORT**

Station Street West Business Park  
Coventry  
CV6 5BP

# Distribution Equipment List



*Electrical Testing & Maintenance*

Tel: (02476) 668592 Fax (02476) 668593

Reference No.	D/B Name/Identification	Location	Manufacturer
6126811	DB 2	Market Hall	Merlin Gerin
6126812	DB BRD 001	Mains Room	Merlin Gerin

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Test Instruments Used:	Description	Serial No.
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# Schedule of Test Results



*Electrical Testing & Maintenance*  
 Tel: (02476) 668592 Fax (02476) 668593

**Ref No.** 6126811      **Location** Market Hall      **Lines** 1      **PFC** 1.37  
**D/B Id** DB 2      **Ways** 7      **Zs/DB** 0.17

Way no.	Line	Circuit Description	Circuit Type	Volts	Max Disconnect Time (secs)	No. of Points	Type of Fuse or MCB (BS No.)	Rating (Amps)	Breaking Capacity (kA)	Max permitted Zs	RCD Rating (mA)	Conductors (mm <sup>2</sup> ) (for description of cable types see table below)	Ring Continuity	(R1+R2) (ohms)	Insulation Resistance (MΩ)	Zs	RCD Operating			Polarity O.K.	Date Inspected / Tested	
																	RCD x 1 (mS)	RCD x 5 (mS)	RCD Button O.K.			
1		Circuit Not Tested										<b>Live</b> <b>Type</b> <b>Earth</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>							
2		Circuit Not Tested										<b>Live</b> <b>Type</b> <b>Earth</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>							
3		Power: Fused Spur For Water Boiler Adjacent DB	Radial	230	0.4	1	3871/2	16	9	1.64	N/A	<b>Live</b> <b>Type</b> 1.5      D/B <b>Earth</b> <b>Type</b> N/A      MF	<b>L</b> <b>N</b> <b>E</b>	N/A N/A N/A	0.09 N/A N/A	N/A 200 200 200	0.24	N/A	N/A	N/A	Y	16/08/12
4		Power: RH Side Of DB & Rear Wall	Ring	230	0.4	2	4293/2	20	9	1.31	30	<b>Live</b> <b>Type</b> 2x2.5      D/B <b>Earth</b> <b>Type</b> N/A      MF	<b>L</b> <b>N</b> <b>E</b>	0.59 0.59 LIM	0.22	N/A 200 200 200	0.39	13.8	16.7	Y	Y	16/08/12
5		Power: Sockets On Road Side & Rear Wall & Kitchenette	Ring	230	0.4	5	4293/2	20	9	1.31	30	<b>Live</b> <b>Type</b> 2x2.5      D/B <b>Earth</b> <b>Type</b> N/A      MF	<b>L</b> <b>N</b> <b>E</b>	0.58 0.58 LIM	0.51	N/A 200 200 200	0.68	29.6	15.8	Y	Y	16/08/12
6		Circuit Not Tested										<b>Live</b> <b>Type</b> <b>Earth</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>							
7		Spare										<b>Live</b> <b>Type</b> <b>Earth</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>							

A PVC/PVC cables	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 XLPE/SWA cables	H Mineral insulated cables	O Other
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# SAMPLE REPORT

Station Street West Business Park  
Coventry  
CV6 5BP

## Observations / Recommendations



Electrical Testing & Maintenance

Tel: (02476) 668592 Fax (02476) 668593

Ref No. 6126811

Location Market Hall  
D/B Id DB 2

Lines  
Ways

1  
7

PFC 1.37  
Zs/DB 0.17

Further  
Investigation  
Required

Category

No. Description of Fault

1	There is no circuit chart present.	C2
2	There is no proven earth link between main earth nut and earth bar within the DB.	C2
3	ELV cable has not been seperated from LV cable within trunking.	C3
4	Trunking lid is missing from above the DB exposing sheathed cable to potential mechanical damage.	C2
5	Circuit 4L1 Additional protection, by 30mA RCD for sockets of 20Amp or less, for use by ordinary persons has not been provided.	C3

C1 - "Danger Present". Risk of injury. Immediate remedial action required.

C2 - "Potentially Dangerous". Urgent remedial action required.

C3 - "Improvement Recommended".

Further Investigation Required - Where further investigation is required, the observation must be dealt with as a matter of urgency.



# Schedule of Test Results



*Electrical Testing & Maintenance*  
 Tel: (02476) 668592 Fax (02476) 668593

**Ref No.** 6126812      **Location** Mains Room      **Lines** 3      **PFC** 5.40  
**D/B Id** DB BRD 001      **Ways** 6      **Zs/DB** 0.09

Way no.	Line	Circuit Description	Circuit Type	Volts	Max Disconnect Time (secs)	No. of Points	Type of Fuse or MCB (BS No.)	Rating (Amps)	Breaking Capacity (kA)	Max permitted Zs	RCD Rating (mA)	Conductors (mm <sup>2</sup> ) (for description of cable types see table below)	Ring Continuity	(R1+R2) (ohms)	Insulation Resistance (MΩ)	Zs	RCD Operating			Polarity O.K.	Date Inspected / Tested			
																	RCD x 1 (mS)	RCD x 5 (mS)	RCD Button O.K.					
1	L1	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
1	L2	Supply To DB Lift Motor Room	Radial	230	5.0	1	60947/2	15	15	1.75	N/A	<b>Live</b> 25 <b>Earth</b> N/A	<b>Type</b> F <b>Type</b> CS	<b>L</b> <b>N</b> <b>E</b>	N/A N/A N/A	0.04	<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>	N/A 200 200 200	0.15	N/A	N/A	N/A	Y	16/08/12
1	L3	Supply To DB 1 (6126813)	Radial	230	5.0	1	60947/2	15	15	1.75	N/A	<b>Live</b> 25 <b>Earth</b> N/A	<b>Type</b> F <b>Type</b> CS	<b>L</b> <b>N</b> <b>E</b>	N/A N/A N/A	0.01	<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>	N/A 200 200 200	0.11	N/A	N/A	N/A	Y	16/08/12
2	L1	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
2	L2	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
2	L3	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
3	L123	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
4	L1	Circuit Not Tested										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								
4	L2	Spare										<b>Live</b> <b>Earth</b>	<b>Type</b> <b>Type</b>	<b>L</b> <b>N</b> <b>E</b>		<b>L-L</b> <b>L-N</b> <b>L-E</b> <b>N-E</b>								

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

**SAMPLE REPORT**  
 Station Street West Business Park  
 Coventry  
 CV6 5BP

# Schedule of Test Results



*Electrical Testing & Maintenance*  
 Tel: (02476) 668592 Fax (02476) 668593

**Ref No.** 6126812      **Location** Mains Room      **Lines** 3      **PFC** 5.40  
**D/B Id** DB BRD 001      **Ways** 6      **Zs/DB** 0.09

Way no.	Line	Circuit Description	Circuit Type	Volts	Max Disconnect Time (secs)	No. of Points	Type of Fuse or MCB (BS No.)	Rating (Amps)	Breaking Capacity (kA)	Max permitted Zs	RCD Rating (mA)	Conductors (mm <sup>2</sup> ) (for description of cable types see table below)	Ring Continuity	(R1+R2) (ohms)	Insulation Resistance (MΩ)	Zs	RCD Operating			Polarity O.K.	Date Inspected / Tested	
																	RCD x 1 (mS)	RCD x 5 (mS)	RCD Button O.K.			
4	L3	Spare																				
												<b>Live Type</b>	<b>L</b>		<b>L-L</b>							
												<b>Earth Type</b>	<b>N</b>		<b>L-N</b>							
													<b>E</b>		<b>L-E</b>							
															<b>N-E</b>							

A PVC/PVC cables	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 XLPE/SWA cables	H Mineral insulated cables	O Other
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# Observations / Recommendations



*Electrical Testing & Maintenance*  
 Tel: (02476) 668592 Fax (02476) 668593

**Ref No.** 6126812      **Location** Mains Room  
**D/B Id** DB BRD 001

**Lines** 3      **PFC** 5.40  
**Ways** 6      **Zs/DB** 0.09

No.	Description of Fault	Category	Further Investigation Required
1	Cable entry hole in trunking below DB.	C2	
2	Redundant cables are present within the DB.	C3	
3	Main switch liveside feed to fire alarm is not labelled.	C3	
4	Main switch has no ID colours on incoming cables.	C3	
5	Screw is missing from main switch cover.	C3	
6	Bond in old plantroom is not connected. Unable to verify designation.	C2	
7	Bonding cables terminated to the main earth terminal have no designation.	C3	
8	Circuit 4L1 The rating of the circuit protective device is greater than the rated current carrying capacity of the cable that it is protecting.	C2	

C1 - "Danger Present". Risk of injury. Immediate remedial action required.

C2 - "Potentially Dangerous". Urgent remedial action required.

C3 - "Improvement Recommended".

Further Investigation Required - Where further investigation is required, the observation must be dealt with as a matter of urgency.