

## PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 [IEE WIRING REGULATIONS])

### A. DETAILS OF CLIENT

<b>Client</b>	BES Consulting	<b>Address</b>	10 BROADLANE Mold Green Huddersfield
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### B. PURPOSE OF REPORT

<b>Purpose for which this report is required</b>	SALE/LETTING/PERIODIC TEST
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### C. DETAILS OF THE INSTALLATION

<b>Occupier</b>	BES CONSULTING	<b>Description of Premises</b>	<input type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Industrial
<b>Address</b>	10 BROADLANE Mold Green Huddersfield	<b>Other (Please state)</b>	N/A		
<b>Postcode</b>		<b>Estimated age of the installation</b>	25 years		
<b>Date of last inspection</b>	N/A	<b>Evidence of alterations or additions</b>	<input type="checkbox"/> Yes	<b>If 'yes', estimated age</b>	4 years
<b>Installation records available:</b>	<input type="checkbox"/> No	<b>Records held by:</b>	N/A		
		<b>E.I.C. or previous P.I.R. Number:</b>	N/A		

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

**Extent of the electrical installation covered by this report:**  
WHOLE INSTALLTION

**Limitations:**  
HEATING SYSTEM AND CONTROL CIRCUITS FAN HEATING SYSTEM AND CONTROLLERS  
GROUND FLOOR AREA AND BOILER ROOM LHS SWITCH ROOM AREAS

This inspection has been carried out in accordance with BS 7671:2008 \* (IEEWiring Regulations), amended to Issued January 2008 Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground have not been inspected.

### E. DECLARATION

To the best of my/our knowledge and belief I/We confirm that the details recorded in this report, including the attached schedules of inspection and testing, the schedules of circuit details and associated test results (see H), and my/our observations (see F), are an accurate assessment of the condition of the electrical installation (see C), within the stated extent of the installation and limitations of inspection (see D).

I further confirm that in my/our judgement the installation is overall in  condition(see I).

#### INSPECTED AND TESTED BY:

<b>Signature</b>	
<b>Name</b>	GORDON WALLIS
<b>Position</b>	DIRECTOR
<b>Date</b>	01-12-2008

#### REVIEWED BY:

<b>Signature</b>	
<b>Name</b>	GORDON WALLIS
	Qualifying manager for the Approved Contractor at J
<b>Date</b>	01/12/08



**H. SCHEDULES**

Schedule of items inspected and items tested:	Page No 4	Additional pages including additional sources	N/A
Schedule of circuit details: Page(s)	5	Schedule of test results: Page(s)	6

The schedules identified here form an essential part of this report, and this document is valid only if accompanied by the relevant schedules.

**I. NEXT INSPECTION**

I/We recommend that this installation is further inspected and tested after an interval of not more than **1 year**

provided that any observations shown at F with a recommendation code of 1 (requires urgent attention) are remedied without delay. Items which have been attributed a recommendation code 2 or 3 should be actioned as soon as possible.

**J. CONTRACTOR DETAILS**

Trading Title **GRW Electrical LTD**

Address **Network House,  
1 Turnberry Drive,  
Tingley,  
West Yorkshire**

Telephone number **07764 788856**

Fax number **0113 2380143**

Postcode **WF3 1AQ**

**K. SUPPLY CHARACTERISTICS**

Tick boxes and enter details as appropriate

System	Type of Live Conductors				Nature of Supply Parameters				Supply Device Characteristics			
TN-S	N/A	a.c. <input checked="" type="checkbox"/>	d.c. <input type="checkbox"/>	N/A	Nominal voltage(s) U <sub>(1)</sub>	400	V	U <sub>o</sub> (1)	230	V	BS	BS 1361
TN-C-S	<input checked="" type="checkbox"/>	1-phase (2 wire)	1-phase (3 wire)	2 pole	N/A	Nominal Frequency (1)	50	Hz			Type	B
TN-C	N/A	2-phase (3 wire)	3-pole	N/A	Prospective fault current (2)(3)	1.53	kA	Notes: (1) by enquiry (2) by enquiry or by measurement (3) Where more than one supply, record the higher value. (4) by measurement			Nominal current rating	100 A
TT	N/A	3-phase (3 wire)	3-phase (4 wire)	<input checked="" type="checkbox"/>	other	N/A	External loop impedance Ze (3)(4)	.62	Ohms		Short-circuit capacity	16.5 kA
IT	N/A	Other	N/A		Number of sources	1						

**L. PARTICULARS OF THE INSTALLATION**

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 of earth eg rod(s), tape etc	N/A	Location	N/A					
Installation earth electrode	<input checked="" type="checkbox"/>	Electrode resistance to earth	N/A	Ohms	Method of measurement	N/A				
Main Switch or Circuit-Breaker <small>*(Applicable only where an RCD is suitable and is used as a main circuit breaker)</small>				Maximum Demand	100	A per phase	Protective measures against electric shock:	ADS		
Type:BS	60947	Voltage rating	400	V	Main Protective Conductors					
No of Poles	3	Current rating	125	A	Earthing conductor		Equipotential bonding conductors			
Cables' material	Copper	RCD operating current	N/A	mA	Conductor material	Copper	Extraneous-conductive-parts bonded			
Cable's csa	25 mm <sup>2</sup>	RCD operating time (at 1 x I)	N/A	ms	c.s.a.	16 mm <sup>2</sup>	Water service	<input checked="" type="checkbox"/>	Gas service	<input checked="" type="checkbox"/>
					c.s.a.	6/10 mm <sup>2</sup>	Oil service	N/A	Structural steel	N/A
					Continuity check	<input checked="" type="checkbox"/>	Lightning protection	<input checked="" type="checkbox"/>	Other incoming service(s)	N/A

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

**M. SCHEDULE OF ITEMS INSPECTED (See Section 611 of BS 7671)**

**Methods of protection against electric shock  
Both basic and fault protection:**

N/A	(i) SELV
N/A	(ii) PELV
N/A	(iii) Double insulation
N/A	(iv) Reinforced insulation

**Basic protection:**

✓	(i) Insulation of live parts
✓	(ii) Barriers or enclosures
N/A	(iii) Obstacles
N/A	(iv) Placing out of reach

**Fault protection:**

	(i). Automatic disconnection of supply:
✓	Presence of earthing conductors
✓	Presence of circuit protective conductors
✓	Presence of protective bonding conductors
✓	Presence of supplementary bonding conductors
✓	Presence of earthing arrangements for combined protective and functional purposes
N/A	Presence of adequate arrangements for alternative source(s), where applicable
N/A	FELV
✓	Choice and setting of protective and monitoring devices (for fault and/or overcurrent protection)
	(ii). Non-conducting location:
N/A	Absence of protective conductors
	(iii) Earth-free local equipotential bonding:
N/A	Presence of earth-free equipotential bonding conductors
	(iv) Electrical separation:
N/A	Provided for one item of current using equipment
N/A	Provided for more than one item of current using equipment

**Additional protection:**

N/A	Presence of residual current devices
✓	Presence of supplementary bonding conductors

**Prevention of mutual detrimental influence**

N/A	(a) Proximity of non-electrical services and other influences
N/A	(b) Segregation of Band I and Band II cables or Band II insulation used.
N/A	(c) Segregation of safety circuits

**Identification**

X	(a) Presence of diagrams, instructions, circuit charts and similar information
N/A	(b) Presence of danger notices and other warning notices
X	(c) Labelling of protective devices, switches and terminals
✓	(d) Identification of conductors

**Cables and conductors**

✓	Selection of conductors for current carrying capacity and voltage drop
✓	Erection methods
✓	Routing of cables in prescribed zones
✓	Cables incorporating armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails screws and the like
X	Additional protection provided by 30mA RCD for cables in concealed walls (where required in premises not under the supervision of a skilled or instructed person)
✓	Connection of conductors
✓	Presence of fire barriers, suitable seals and protection against thermal effects

**General**

✓	Presence of correct location of appropriate devices for isolation and switching
✓	Adequacy of access to switchgear and other equipment
✓	Particular protective measures for special installations and locations
✓	Connection of single pole devices for protection or switching in phase conductors only
✓	Correct connection of accessories and equipment
✓	Presence of undervoltage protective devices
✓	Selection of equipment and protective measures appropriate to external influences
✓	Selection of appropriate functional switching devices

**N. SCHEDULE OF ITEMS TESTED**

✓	External earth fault loop impedance, (Z <sub>e</sub> )
✓	Installation earth electrode resistance, (R <sub>a</sub> )
✓	Continuity of protective conductors
✓	Continuity of ring final circuit conductors
✓	Insulation resistance between live conductors
✓	Insulation resistance between live conductors and earth
N/A	Protection by separation of circuits

✓	Protection against direct contact, by barrier or enclosure provided during erection
N/A	Insulation of non-conducting floors or walls
✓	Polarity
✓	Earth fault loop impedance
✓	Verification of phase sequence
X	Operation of residual current devices
✓	Functional testing of assemblies
✓	Verification of voltage drop

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

All boxes must be completed.

- ✓ indicates that an inspection or a test was carried out and that the result was satisfactory.
- X indicates that an inspection or a test was carried out and that the result was unsatisfactory.
- N/A indicates that an inspection or a test was not applicable to the particular installation.
- LIM indicates that, that exceptionally, a limitation agreed with the person ordering the work (as recorded in section D) prevented the inspection or test being carried out.

# SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

## DISTRIBUTION BOARD DETAILS

Location	METER ROOM	Supplied from	YEB	Phases	3	Voltage	400	V			
DB No.	DBO	Overcurrent protective device at supply to this Distribution Board	Type BS(EN)	BS EN 1361	Rating (A)	100	RCD No poles	N/A	$I_n$	N/A	mA
				Associated RCD	N/A						

## CIRCUIT DETAILS

Circuit number and phase	Circuit Designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit Conductors			Overcurrent Protective Devices				RCD	
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Maximum permitted disconnection time (s)	BS(EN) & Type No.			Rated residual operating current (In) (mA)	Maximum permitted Zs (Ω)	
								Type No.	Rating (A)	Short circuit capacity (kA)			
1	DB1	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
2	DB1	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
3	DB1	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
4	DB2	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
5	DB2	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
6	DB2	F	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
7	HBC	A	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
8	HBC	A	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
9	HBC	A	C	1	25	10	0.4	BS EN 60947	B	63	10	N/A	.7301
10	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
11	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
12	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
13	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
14	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
15	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
16	DB3	F	C	1	25	10	0.4	BS EN 60947	B	100	10	N/A	.46
17	DB3	F	C	1	25	10	0.4	BS EN 60947	B	100	10	N/A	.46
18	DB3	F	C	1	25	10	0.4	BS EN 60947	B	100	10	N/A	.46
19	SPARE												
20	SPARE												
21	SPARE												

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
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	N/A

# SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

SOURCE DETAILS					TEST INSTRUMENTS				
Only required if not connected directly to the origin of the installation					(Serial numbers)				
<input checked="" type="checkbox"/> Confirmation of supply polarity					Earth loop impedance		RCD	07270275	
Zs	.21	Operating times of associated RCD		At 1xln	N/A	Insulation resistance		Other	07270275
I <sub>pf</sub>	1.27			At 5 ln	N/A	Continuity		Other	07270275

TEST RESULTS													
Circuit number and phase	Circuit impedances					Insulation resistance <small>Record lower or lowest values</small>				Polarity (✓)	Max measured Earth loop Impedance (Zs) (Ω)	RCD operating times	
	Ring final circuits only (Ω)			All circuits (Ω)		Phase/Phase (MΩ)	Phase/Neutral (MΩ)	Phase/Earth (MΩ)	Neutral/Earth (MΩ)			at 1xln (ms)	at 5xln (ms)
	r <sub>1</sub>	r <sub>n</sub>	r <sub>2</sub>	R <sub>1</sub> +R <sub>2</sub> *	R <sub>2</sub> *								
1	/	/	/	.15	/	200	200	200	200	✓	.16	/	/
2	/	/	/	.16	/	200	200	200	200	✓	.16	/	/
3	/	/	/	.14	/	200	200	200	200	✓	.16	/	/
4	/	/	/	.12	/	200	200	200	200	✓	.16	/	/
5	/	/	/	.13	/	200	200	200	200	✓	.16	/	/
6	/	/	/	.11	/	200	200	200	200	✓	.16	/	/
7	/	/	/	.12	/	200	200	200	200	✓	.16	/	/
8	/	/	/	.12	/	200	200	200	200	✓	.16	/	/
9	/	/	/	.13	/	200	200	200	200	✓	.16	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/
13	/	/	/	/	/	/	/	/	/	/	/	/	/
14	//	/	/	/	/	/	/	/	/	/	/	/	/
15	/	/	/	/	/	/	/	/	/	/	/	/	/
16	//	/	/	.12	/	200	200	200	200	✓	.16	/	/
17	/	/	/	.12	/	200	200	200	200	✓	.16	/	/
18	/	/	/	.13	/	200	200	200	200	✓	.16	/	/
19	SPARE												
20	SPARE												
21	SPARE												

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

\* Complete column 5 or 6

<b>TESTED BY</b>	
Signature _____	Position <b>DIRECTOR</b>
Name <b>GORDON WALLIS</b>	Date <b>01/12/2008</b>

# SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

DISTRIBUTION BOARD DETAILS										
Location	GENTS FIRST FLOOR AREA	Supplied from	DBO			Phases	3	Voltage	400	V
DB No.	DB1	Overcurrent protective device at supply to this Distribution Board	Type BS(EN) BSEN 60947			Rating (A)	63	RCD No poles	N/A	I <sub>n</sub> N/A mA
		Associated RCD				N/A				

CIRCUIT DETAILS														
Circuit number and phase	Circuit Designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit Conductors			Overcurrent Protective Devices				RCD		
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Maximum permitted disconnection time (s)	BS(EN) & Type No.			Rated residual operating current (In) (mA)	Maximum permitted Zs (Ω)		
								Type No.	Rating (A)	Short circuit capacity (kA)				
1	COLUMBS SKTS	E	B	12	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
2	DIRECTOR SKTS	E	B	4	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
3	DADO SKTS	E	B	16	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
4	COLUMB SKTS	E	B	12	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
5	COLUMB SKTS	E	B	12	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
6	PLANT ROOM SKTS	B	B	2	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
7	ARCHIVE SOCKETS	B	B	1	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
8	SKTS TEST ROOM	B	B	4	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
9	PLANT ROOM SKTS	B	B	2	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
10	COLUMB SKTS	E	B	6	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
11	COLUMB SPUR	E	B	1	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
12	PLANT ROOM RADIAL	E	B	1	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
13	COLUMB SKT	E	B	6	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
14	SPUR COMMS ROOM	E	B	2	1.5	1.5	0.4	BS EN 60898	B	16	10	N/A	2.875	
15	DOOR ENTRY SPUR	E	B	1	1.5	1.5	0.4	BS EN 60898	B	6	6	N/A	7.666	
16	DOOR ENTRY SPUR	E	B	1	1.5	1.5	0.4	BS EN 60898	B	6	6	N/A	7.666	
17	DOOR ENTRY SPUR	E	B	1	1.5	1.5	0.4	BS EN 60898	B	10	6	N/A	4.6	
18	DADO SKTS	C	B	8	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
19	OFFICE SKTS ROAD SIDE	C	B	4	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
20	DIRECTOR SOCKETS ROAD SIDE	C	B	2	2.5	4	0.4	BS EN 60898	B	32	10	N/A	1.437	
21	HTR SOCKETS DUAL	O	E	1	2.5	1.5	0.4	BS EN 60898	B	32	10	N/A	1.437	
22	NEW EXTENSION SOCKETS	B	D	3	2.5	1.5	0.4	BS EN 60898	B	32	10	N/A	1.437	

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CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
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	

# SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

SOURCE DETAILS						TEST INSTRUMENTS				
Only required if not connected directly to the origin of the installation						(Serial numbers)				
<input checked="" type="checkbox"/> Confirmation of supply polarity						Earth loop impedance		RCD	07270275	
Zs	.14		Operating times of associated RCD		At 1xln	N/A	Insulation resistance		Other	07270275
I <sub>pf</sub>	1.24				At 5 ln	N/A	Continuity		Other	07270275

## TEST RESULTS

Circuit number and phase	Circuit impedances					Insulation resistance <small>Record lower or lowest values</small>				Polarity (✓)	Max measured Earth loop Impedance (Zs) (Ω)	RCD operating times	
	Ring final circuits only (Ω)			All circuits (Ω)		Phase/ Phase (MΩ)	Phase/ Neutral (MΩ)	Phase/ Earth (MΩ)	Neutral/ Earth (MΩ)			at 1xln (ms)	at 5xln (ms)
	r <sub>1</sub>	r <sub>n</sub>	r <sub>2</sub>	R <sub>1</sub> +R <sub>2</sub> *	R <sub>2</sub> *								
	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	ms	ms
1	.41	.39	.48	.48	/	/	200	200	200	✓	.21	/	/
2	.33	.34	.38	.49	/	/	200	200	200	✓	.23	/	/
3	LIM	LIM	LIM	N/A	.17	/	200	200	200	✓	.21	/	/
4	LIM	LIM	LIM	LIM	.17	/	200	200	200	✓	.32	/	/
5	LIM	LIM	LIM	LIM	.16	/	LIM	LIM	LIM	✓	.33	/	/
6	LIM	LIM	LIM	LIM	.12	/	LIM	LIM	LIM	✓	.43	/	/
7	LIM	LIM	LIM	LIM	.14	/	LIM	LIM	LIM	✓	.21	/	/
8	LIM	LIM	LIM	LIM	.09	//	LIM	LIM	LIM	✓	.36	/	/
9	LIM	LIM	LIM	LIM	.10	//	LIM	LIM	LIM	✓	.33	/	/
10	.35	.34	.41	.56	/	/	200	200	200	✓	.33	/	/
11	.15	.14	.19	.32	/	//	200	200	200	✓	.32	/	/
12	.15	.16	.21	.33	/	/	200	200	200	✓	.43	/	/
13	.32	.33	.39	.42	/	/	200	200	200	✓	.33	/	/
14	LIM	LIM	LIM	LIM	/	/	LIM	LIM	LIM	✓	.29	/	/
15	/	/	/	/	.15	/	200	200	200	✓	.21	/	/
16	/	/	/	/	.14	/	200	200	200	✓	LIM	/	/
17	/	/	/	/	.16	//	200	200	200	✓	LIM	/	/
18	.33	.32	.37	.51	/	/	200	200	200	✓	LIM	/	/
19	LIM	LIM	LIM	LIM	LIM	/	200	200	200	✓	.19	/	/
20	.33	.34	.33	.43	/	//	200	200	200	✓	.21	/	/
21	.21	.24	.32	.39	/	/	200	200	200	✓	.22	/	/
22	LIM	LIM	LIM	LIM	/	/	200	200	200	✓	.19	/	/

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\* Complete column 5 or 6

<b>TESTED BY</b>	
Signature _____	Position <b>DIRECTOR</b>
Name <b>GORDON WALLIS</b>	Date <b>01-12-08</b>

# SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

## DISTRIBUTION BOARD DETAILS

Location	GENTS FIRST FLOOR AREA	Supplied from	DBO METER ROOM	Phases	3	Voltage	400	V			
DB No.	DB1	Overcurrent protective device at supply to this Distribution Board	Type BS(EN)	BSEN 60947	Rating (A)	63	RCD No poles	N/A	I <sub>n</sub>	N/A	mA
				Associated RCD	N/A						

## CIRCUIT DETAILS

Circuit number and phase	Circuit Designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit Conductors			Overcurrent Protective Devices				RCD	
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Maximum permitted disconnection time (s)	BS(EN) & Type No.			Rated residual operating current (In) (mA)	Maximum permitted Zs (Ω)	
								Type No.	Rating (A)	Short circuit capacity (kA)			
23	KITCHEN SOCKETS	E	B	6	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437
24	SOCKET AND HEATER VALVE	E	B	2	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437
25	KITCHEN SOCKETS	E	B	4	2.5	2.5	0.4	BS EN 60898	B	32	10	N/A	1.437
26	WATER HTR	E	B	1	2.5	2.5	0.4	BS EN 60898	B	20	10	N/A	2.3
27	PLANT ROOM SKT	E	B	2	2.5	2.5	0.4	BS EN 60898	B	20	10	N/A	2.3
28	HAND DRYER	E	B	1	2.5	1.5	0.4	BS EN 60898	B	16	10	N/A	2.875
29	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
30	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
31	UPS SUPPLY	F	C	1	10	10	0.4	BS EN 60898	C	50	10	N/A	.46
32	UPS SUPPLY	F	C	1	10	10	0.4	BS EN 60898	C	50	10	N/A	.46
33	UPS SUPPLY	F	C	1	10	10	0.4	BS EN 60898	C	50	10	N/A	.46
34	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
35	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
36	SPARE	/	/	/	/	/	/	/	/	/	/	/	/

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
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	

# SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

SOURCE DETAILS						TEST INSTRUMENTS			
<small>Only required if not connected directly to the origin of the installation</small> <input checked="" type="checkbox"/> Confirmation of supply polarity						<small>(Serial numbers)</small> Earth loop impedance: <b>07270275</b>		RCD: <b>07270275</b>	
Zs: <b>.21</b>	Operating times of associated RCD At 1xIn: <b>N/A</b>			Insulation resistance: <b>07270275</b>		Other: <b>07270275</b>			
I <sub>pf</sub> : <b>1.27</b>	At 5 In: <b>N/A</b>			Continuity: <b>07270275</b>		Other: <b>07270275</b>			

## TEST RESULTS

Circuit number and phase	Circuit impedances					Insulation resistance <small>Record lower or lowest values</small>				Polarity (✓)	Max measured Earth loop Impedance (Zs) (Ω)	RCD operating times	
	Ring final circuits only (Ω)			All circuits (Ω)		Phase/Phase (MΩ)	Phase/Neutral (MΩ)	Phase/Earth (MΩ)	Neutral/Earth (MΩ)			at 1xIn (ms)	at 5xIn (ms)
	r <sub>1</sub>	r <sub>n</sub>	r <sub>2</sub>	R <sub>1</sub> +R <sub>2</sub> *	R <sub>2</sub> *								
23	.44	.43	.56	.87	N/A	/	200	200	200	✓	.35	/	//
24	LIM	LIM	LIM	LIM	.45	/	LIM	LIM	200	✓	.33	/	/
25	/	/	/	/	.28	/	/	/	200	✓	.32	/	/
26	/	/	/	/	.32	/	/	/	200	✓	.23	/	/
27	.16	.16	.21	.16	.34	/	/	/	200	✓	.31	/	/
28	/	/	/	/	.16	/	/	/	200	✓		/	/
29	/	/	/	/	/	/	/	/	/	/	/	/	/
30	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
31	/	/	/	/	.17	200	200	200	200	✓	.21	//	/
32	/	/	/	/	.16	200	200	200	200	✓	.21	/	/
33	/	/	/	/	.14	200	200	200	200	✓	.21	/	/
34	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
35	SPARE	/	/	/	/	/	/	/	/	/	/	/	/
36	SPARE	/	/	/	/	/	/	/	/	/	/	/	/

This form is based on the recommendations of Appendix 6 of BS 7671: 2008

\* Complete column 5 or 6

<b>TESTED BY</b>	
Signature: _____ Name: <b>GORDON WALLIS</b>	Position: <b>DIRECTOR</b> Date: <b>01-12-08</b>

# SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

DISTRIBUTION BOARD DETAILS										
Location	GENTS FIRST FLOOR AREA	Supplied from	DBO			Phases	3	Voltage	400	V
DB No.	DB2	Overcurrent protective device at supply to this Distribution Board	Type BS(EN) BSEN 60947			Rating (A)	63	RCD No poles	N/A	I <sub>n</sub> N/A mA
								Associated RCD	N/A	

CIRCUIT DETAILS														
Circuit number and phase	Circuit Designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit Conductors			Overcurrent Protective Devices				RCD		
					Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Maximum permitted disconnection time (s)	BS(EN) & Type No.			Rated residual operating current (In) (mA)	Maximum permitted Zs (Ω)		
								Type No.	Rating (A)	Short circuit capacity (kA)				
1	GENT /TANK ROOM LIGHTS	D	B	1	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
2	LADIES LIGHTS	D	B	1	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
3	LIGHTS MIDDLE ROW 0 EXTENSION	D	B	12	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
4	LIGHTS ROW 2	D	B	8	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
5	LIGHTS ROW 1	D	B	8	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
6	OFFICE LIGHTS ROW 2	D	B	8	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
7	LIGHTS ROW 3	D	B	7	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
8	GENERAL OFFICE	D	B	7	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
9	ROW 5 LIGHTS	D	B	8	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
10	ROW 6 LIGHTS	D	BB	4	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
11	ROW 4 LIGHTS	D	B	4	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
12	KITCHEN /ARCHIVE	D	B	4	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
13	AIR CON	F	C	1	2.5	1	5	BS EN 60898	B	20	10	N/A	2.3	
14	AIR CON	F	CC	1	2.5	1	5	BS EN 60898	B	20	10	N/A	2.3	
15	AIR CON	F	C	1	2.5	1	5	BS EN 60898	B	20	10	N/A	2.3	
16	COMMS ROOM	A	B	1	1.5	1.5	5	BS EN 60898	B	20	10	N/A	2.3	
17	O/S LIGHT	B	B	1	1.5	1.5	5	BS EN 60898	B	10	10	N/A	4.6	
18	NEW AIR CON COMMS ROOM	F	F	1	2.5	1.5	5	BS EN 60898	B	16	10	N/A	2.875	
19														
20														
21														
22														

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CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
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	

# SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

SOURCE DETAILS						TEST INSTRUMENTS				
Only required if not connected directly to the origin of the installation						(Serial numbers)				
<input checked="" type="checkbox"/> Confirmation of supply polarity						Earth loop impedance		RCD	07270275	
Zs	.21		Operating times of associated RCD		At 1xln	N/A		Insulation resistance	07270275	
I <sub>pf</sub>	1.15				At 5 ln	N/A		Other	07270275	
						Continuity		Other	07270275	

TEST RESULTS													
Circuit number and phase	Circuit impedances					Insulation resistance <small>Record lower or lowest values</small>				Polarity  (✓)	Max measured Earth loop Impedance (Zs) (Ω)	RCD operating times	
	Ring final circuits only (Ω)			All circuits (Ω)		Phase/Phase (MΩ)	Phase/Neutral (MΩ)	Phase/Earth (MΩ)	Neutral/Earth (MΩ)			at 1xln	at 5xln
	r <sub>1</sub>	r <sub>n</sub>	r <sub>2</sub>	R <sub>1</sub> +R <sub>2</sub> *	R <sub>2</sub> *							(ms)	(ms)
1	/	/	/	.26	N/A	LIM	LIM	LIM	200	✓	.23	/	/
2	/	/	/	.16	N/A	LIM	200	200	200	✓	.21	/	/
3	/	/	/	.16	N/A	/	/	/	200	✓	.24	/	/
4	/	/	/	.15	N/A	//	/	/	200	✓	.19	/	/
5	/	/	/	.16	N/A	/	/	/	200	✓	.16	/	/
6	/	/	/	.21	N/A	/	/	/	200	✓	.17	/	/
7	/	/	//	.16	N/A	/	/	/	200	✓	.17	/	/
8	//	/	//	.17	N/A	/	/	//	200	✓	.18	/	/
9	/	/	//	.21	N/A	/	/	/	200	✓	.21	/	/
10	/	/	/	.21	N/A	/	/	/	200	✓	.22	/	/
11	/	//	/	.23	N/A	/	/	/	200	✓	.21	/	/
12	/	/	/	.17	N/A	/	/	/	200	✓	.23	/	/
13	/	//	/	LIM	N/A	/	200	200	200	✓	.24	/	/
14	/	/	/	LIM	N/A	/	/	/	200	✓	LIM	/	/
15	/	//	/	LIM	N/A	/	/	/	200	✓	.22	/	/
16	/	/	/	.21	N/A	/	/	/	200	✓	.21	/	/
17	/	/	/	.43	N/A	/	/	/	200	✓	.21	/	/
18	/	/	/	.21	N/A	/	/	/	200	✓	LIM	/	/
19													
20													
21													
22													

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\* Complete column 5 or 6

<b>TESTED BY</b>	
Signature _____	Position <b>DIRECTOR</b>
Name <b>GORDON WALLIS</b>	Date <b>01-12-08</b>





# PERIODIC INSPECTION REPORT

## GUIDANCE FOR RECIPIENTS (to be appended to the Report)

This Periodic Inspection Report form is intended for reporting on the condition of an existing electrical installation.

You should have received an original Report and the contractor should have retained a duplicate. If you were the person ordering this Report, but not the owner of the installation, you should pass this Report, or a copy of it, immediately to the owner.

The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with details of the condition of the electrical at the time the Report was issued.

The 'Extent and Limitations' box should fully identify the extent of the installation covered by this Report and any limitations on the inspection and tests. The contractor should agree these aspects with you and with any other interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. For items classified as 'requires urgent attention', the safety of those using the installation may be at risk, and it is recommended that a competent person undertakes the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under 'Next Inspection'.

This Report is only valid if a Schedule of Inspections and a Schedule of Test Results are appended.