

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard 7671 – Requirements for Electrical Installations

Original (To the person ordering the work)

A. DETAILS OF THE CLIENT

Client: **Bill Reed
Reed's pace**

Address:

Postcode:

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: **Time has elapsed since last inspection**

Date(s) on which inspection and testing were carried out: **19/3/13**

C. DETAILS OF THE INSTALLATION

Occupier: **None**

Address: **Unit 11
The courtyard
Bracknell**

Postcode:

Estimated age of the electrical installation: **10** years Description of premises: **Commercial** Evidence of alterations or additions: **NA** If yes, estimated age: **NA** years

Date of previous inspection: **NA**

Description of premises: domestic, commercial, industrial, other (Please state)

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: **NA**

Records of installation available: **NO**

Records held by: **NA**

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

Extent of the electrical installation covered by this report:

Whole installation

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

30% of items and accessories tested and inspected.

Agreed with:

Operational limitations including the reasons (see page No.)

The inspection and testing have 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):

Installation is in a good condition and was installed to good standard. No RCD protection was installed and this should be done at some stage.

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

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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) 7
 Schedule of Test Results for the Installation: Page No(s) 8

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 **Five YEARS** (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 THE ELECTRICAL CONTRACTOR

Trading title: **STANDING ELECTRICAL SERVICES**

Address: **3 Lanark Close
Camberley
Surrey**

Telephone number: **07973961055**

Email address: **Billy.Standing@yahoo.co.uk**
WEBSITE StandingElectrical.co.uk

Postcode: **GU16 8SP**

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)	
TN-S	a.c. <input checked="" type="checkbox"/>		d.c. <input type="checkbox"/>		Nominal voltage(s): 215 V	$U_0^{(1)}$ 230 V			BS(EN) 88	
TN-C-S <input checked="" type="checkbox"/>	1-phase (2-wire)	1-phase (3-wire)	2-pole		Nominal frequency, $f^{(1)}$ 50 Hz	Notes: (1) by enquiry		Type II		
TN-C	2-phase (3-wire)		3-pole		Prospective fault current, $I_p^{(2)(3)}$ 5 kA	(2) by enquiry or by measurement		Rated current 100 A		
TT	3-phase (3-wire)	3-phase (4-wire) <input checked="" type="checkbox"/>	other		External earth fault loop impedance, $Z_e^{(3)(4)}$ 0.09 Ω	(3) where more than one supply, record the higher or highest values		Short-circuit capacity 33 kA		
IT	Other Please state				Number of sources 1	(4) by measurement		Confirmation of supply polarity <input checked="" type="checkbox"/> (✓)		

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of earthing		Details of installation earth electrode (where applicable)			
Distributor's facility: <input checked="" type="checkbox"/>	Type: <input type="text"/>	Location: <input type="text"/>			
Installation earth electrode: <input type="text"/>	Electrode resistance, R_A : <input type="text"/>	Method of measurement: <input type="text"/>			

Main switch or circuit-breaker				Earthing and protective bonding conductors			
Type: BS(EN) 60947/13	Voltage rating 415 V	Earthing conductor		Main protective bonding conductors		Bonding of extraneous-conductive-parts (✓)	
No of poles 3	Rated current, I_n 100 A	Conductor material COPPER	Conductor material COPPER	Water service <input checked="" type="checkbox"/>	Gas service <input checked="" type="checkbox"/>	Oil service <input type="checkbox"/>	Structural steel <input type="checkbox"/>
Primary supply conductors: material COPPER	RCD operating current, $I_{\Delta n}$ NA mA	Conductor csa 16 mm ²	Conductor csa 10 mm ²	Lightning protection <input type="checkbox"/>	Other incoming service(s) <input type="text"/>	Specify	
Primary supply conductors: csa 25 mm ²	Rated time delay NA ms	Connection/continuity verified <input checked="" type="checkbox"/> (✓)	Connection/continuity verified <input checked="" type="checkbox"/> (✓)				
	RCD operating time (at $I_{\Delta n}$) NA ms						

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

ELECTRICAL INSTALLATION CONDITION REPORT

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INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
1.0	Condition/adequacy of distributor's/supply intake equipment		
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	NA	
3.0	Automatic disconnection of supply		
3.1	Main earthing and bonding arrangements		
	• Presence and condition of distributor's earthing arrangement	✓	
	• Presence and condition of earth electrode arrangement	NA	
	• Adequacy of earthing conductor size	✓	
	• Adequacy of earthing conductor connections	✓	
	• Accessibility of earthing conductor connections	✓	
	• Adequacy of main protective bonding conductor size(s)	✓	
	• Adequacy of main protective bonding conductor connections	✓	
	• Accessibility of main protective bonding connections	✓	
	• Provision of earthing/bonding labels at all appropriate locations	✓	
3.2	FELV		
	• Source providing at least simple separation	✓	
	• Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	✓	
3.3	Reduced low voltage		
	• Adequacy of source	✓	
	• Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	✓	
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	✓	
4.2	Reinforced insulation	NA	
4.3	Use of obstacles	NA	
4.4	Placing out of reach	NA	
4.5	Non-conducting location	NA	
4.6	Earth-free local equipotential bonding	NA	
4.7	Electrical separation for more than one item of equipment	NA	
5.0	Distribution equipment		
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	X	C3

* All boxes must be completed.

✓ indicates Acceptable condition

'LIM' indicates a Limitation

'NA' 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

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
5.13	RCD(s) provided for additional protection – includes RCBOs	✓	
5.14	RCD(s) provided for protection against fire – includes RCBOs	✓	
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	✓	
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	✓	
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required	✓	
5.20	Presence of replacement next inspection recommendation label	✓	
5.21	Presence of other required labelling (<i>specify</i>)	✓	
5.22	Examination of protective device(s) and base(s); correct type and rating (<i>no signs of unacceptable thermal damage, arcing or overheating</i>)	✓	
5.23	Protection against mechanical damage where cables enter equipment	✓	
5.24	Protection against electromagnetic effects where cables enter metallic enclosures	✓	
6.0	Distribution/final circuits		
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	✓	
6.5	Suitability of containment systems for continued use (<i>including flexible conduit</i>)	✓	
6.6	Cables correctly terminated in enclosures (<i>indicate extent of sampling in Section D of report</i>)	✓	
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	✓	
6.9	Adequacy of protective devices; type and rated current for fault protection	✓	
6.10	Presence and adequacy of circuit protective conductors	✓	
6.11	Co-ordination between conductors and overload protective devices	✓	
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✓	
6.13	Cables where exposed to direct sunlight, of a suitable type	✓	
6.14	Concealed cables installed in prescribed zones (<i>see extent and limitations</i>)	LIM	
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 (<i>see extent and limitations</i>)	C3	
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions	C3	
6.17	Provision of additional protection by 30 mA RCD <ul style="list-style-type: none"> • Where reasonably likely to be used to supply mobile equipment for use outdoors • For all socket-outlets of rating 20 A or less provided for use by ordinary persons 	C3 C3	
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	✓	
6.19	Band II cables segregated/separated from Band I cables	✓	
6.20	Cables segregated/separated from non-electrical services	✓	
6.21	Termination of cables at enclosures (<i>identify numbers and locations of items inspected in Section D</i>) <ul style="list-style-type: none"> • 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 (<i>gland, bush or similar</i>) 	✓ ✓ ✓ ✓	
6.22	General condition of wiring systems	✓	
6.23	Temperature rating of cable insulation	✓	
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✓	
6.25	Suitability of accessories for external influences	✓	

* All boxes must be completed.

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- 'N/A' indicates Not applicable

Unacceptable condition state C1 or C2

Improvement recommended state C3
Further investigation required state F/1
(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.

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INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
7.0	Isolation and switching		
7.1	Isolators		
	• presence and condition of appropriate devices	✓	
	• acceptable location	✓	
	• capable of being secured in the OFF position	✓	
	• correct operation verified	✓	
	• 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	✓	
7.2	Switching off for mechanical maintenance		
	• presence and condition of appropriate devices	✓	
	• acceptable location	✓	
	• capable of being secured in the OFF position	✓	
	• correct operation verified	✓	
	• clearly identified by position and/or durable marking(s)	✓	
7.3	Emergency switching/stopping		
	• presence and condition of appropriate devices	✓	
	• readily accessible for operation where danger might occur	✓	
	• correct operation verified	✓	
	• clearly identified by position and/or durable marking(s)	✓	
7.4	Functional switching		
	• presence and condition of appropriate devices	✓	
	• correct operation verified	✓	
8.0	Current-using equipment (permanently connected)		
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)	✓	
8.7	Recessed luminaires (e.g. downlighters)		
	• correct type of lamps fitted	✓	
	• installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar	✓	
	• no signs of overheating to surrounding building fabric	✓	
	• no signs of overheating to conductors/terminations	✓	
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	NA	
9.2	Where used as a protective measure, requirements for SELV or PELV are met	NA	
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	NA	
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	NA	
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	NA	
9.6	Suitability of equipment for external influences for installed location in terms of IP rating	NA	
9.7	Suitability of equipment for installation in a particular zone	NA	
9.8	Suitability of current-using equipment for a particular position within the location	NA	
10.0	Other special installations or locations		
	List special locations present, if any. List the results of particular inspections applied. – a separate page is required for each location	NA	

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Unacceptable condition state C1 or C2
Improvement recommended state C3

Further investigation required state F/1
(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.

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

TO BE COMPLETED IN EVERY CASE	TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*	
Location of distribution board: under stairs in meter room	Supply to distribution board is from: _____	No of phases: _____ Nominal voltage: _____ V
Distribution board designation: DB / c	Overcurrent protective device for the distribution circuit: Type: _____ BS (EN) Rating: _____	Associated RCD (if any): BS (EN) _____ RCD No of poles: _____ I _{Δn} _____ mA

CIRCUIT DETAILS														
Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method †	Number of points served	Circuit conductors: csa			Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	Maximum Z _s permitted by BS 7671 (Ω)
					Live (mm ²)	cpc (mm ²)	BS (EN)		Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _n (mA)		
R 1	Ground Floor lights	B	C	9	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
Y 1	Ground Floor lights	B	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
B 1	Ground Floor lights	A	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
R 2	Ground Floor lights	B	C	8	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
Y 2	1st Floor lights	A	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
B 2	1st Floor lights	A	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
Y 3	SPARE	/	/	/	/	/	/	60898	B	/	/	/	/	
B 3	1st Floor lights	B	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
R 4	Ground Floor lights	B	C	7	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
Y 4	SPARE	/	/	/	/	/	/	60898	B	/	/	/	/	
B 4	1st Floor lights	B	C	8	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
R 5	Ground Floor lights	A	C	7	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
Y 5	SPARE	/	/	/	/	/	/	60898	B	/	/	/	/	
B 5	1st Floor lights	B	C	6	1.5	1.5	0.4	60898	B	10	10	NA	3.86	
R 6	Floor Boxes	F	C	3	6	6	0.4	60898	B	32	10	NA	1.15	
Y 6	Floor Boxes	F	C	3	6	6	0.4	60898	B	32	10	NA	1.15	
B 6	Floor Boxes	F	C	3	6	6	0.4	60898	B	32	10	NA	1.15	
R 7	Floor Boxes	F	C	3	6	6	0.4	60898	B	32	10	NA	1.15	
Y 7	Ground Floor Boxes	F	C	4	6	6	0.4	60898	B	32	10	NA	1.15	
B 7	Five Alarm spur	B	C	1	2.5	1.5	0.4	60898	B	6	10	NA	6.13	
R 8	Alarm spur	B	C	1	2.5	1.5	0.4	60898	B	6	10	NA	6.13	
Y 8	1st Floor Sockets	F	C	3	6	6	0.4	60898	B	32	10	NA	1.15	
B 8	1st Floor Sockets	F	C	4	6	6	0.4	60898	B	32	10	NA	1.15	
								60898	B					

* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.

† See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral-insulated cables	

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

<p>TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p> <p style="text-align: center;">Characteristics at this distribution board</p> <p style="text-align: center;">Confirmation of supply polarity</p> <p>* See note below</p> <p>Z_s Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ ms</p> <p>I_{pf} kA At $5I_{\Delta n}$ (if applicable) ms</p>	<p style="text-align: center;">Test instruments (serial numbers) used:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Earth fault loop impedance</td> <td style="width: 50%;">RCD</td> </tr> <tr> <td>Insulation resistance</td> <td>Multi function 4159</td> </tr> <tr> <td>Continuity</td> <td>Other</td> </tr> </table>	Earth fault loop impedance	RCD	Insulation resistance	Multi function 4159	Continuity	Other
Earth fault loop impedance	RCD						
Insulation resistance	Multi function 4159						
Continuity	Other						

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance <i>Record lower or lowest value</i>				Polarity (✓)	Maximum measured earth fault loop impedance, Z_s^* (Ω)	RCD		
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line	Line/Neutral	Line/Earth	Neutral/Earth			Operating times		Test button operation (✓)
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	(M Ω)	(M Ω)	(M Ω)	(M Ω)			at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	
R 1				.17		>200	>200	>200	>200	✓	0.54	NA	NA	NA
Y 1				.07		>200	>200	>200	>200	✓	0.26	NA	NA	NA
B 1				.13		>200	>200	>200	>200	✓	0.38	NA	NA	NA
R 2				.19		>200	>200	>200	>200	✓	0.53	NA	NA	NA
Y 2				.21		>200	>200	>200	>200	✓	0.61	NA	NA	NA
B 2				.23		>200	>200	>200	>200	✓	0.62	NA	NA	NA
Y B				/		>200	>200	>200	>200	✓	0.54	NA	NA	NA
B 3				.20		>200	>200	>200	>200	✓	0.63	NA	NA	NA
R 4				.15		>200	>200	>200	>200	✓	0.28	NA	NA	NA
Y 4				/		>200	>200	>200	>200	✓	/	NA	NA	NA
B 4				.31		>200	>200	>200	>200	✓	0.59	NA	NA	NA
R 5				.11		>200	>200	>200	>200	✓	0.26	NA	NA	NA
Y 5				/		>200	>200	>200	>200	✓	/	NA	NA	NA
B 5				.26		>200	>200	>200	>200	✓	0.63	NA	NA	NA
R 6				.10		>200	>200	>200	>200	✓	0.21	NA	NA	NA
Y 6				.12		>200	>200	>200	>200	✓	0.28	NA	NA	NA
B 6				.19		>200	>200	>200	>200	✓	0.41	NA	NA	NA
R 7				.13		>200	>200	>200	>200	✓	0.29	NA	NA	NA
Y 7				.08		>200	>200	>200	>200	✓	0.18	NA	NA	NA
B 7				.05		>200	>200	>200	>200	✓	0.14	NA	NA	NA
R 8				.07		>200	>200	>200	>200	✓	0.13	NA	NA	NA
Y 8				.11		>200	>200	>200	>200	✓	0.26	NA	NA	NA
B 8				.12		>200	>200	>200	>200	✓	0.28	NA	NA	NA

* Note: Where the installation can be supplied by more than one source, such as a primary source (e.g. public supply) and a secondary source (e.g. standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:	Position: Electrical Technician	Page 8 of <input style="width: 40px;" type="text"/>
Name: (CAPITALS) B STANDIN	Date of testing: 19/3/13	

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

TO BE COMPLETED IN EVERY CASE	TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*		
Location of distribution board: Understairs meter cub	Supply to distribution board is from:	No of phases:	Nominal voltage: V
Distribution board designation: DB/C and DB/CX	Overcurrent protective device for the distribution circuit: Type: BS (EN) Rating: A	Associated RCD (if any): BS (EN) RCD No of poles: I _{Δn} mA	

CIRCUIT DETAILS														
Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method †	Number of points served	Circuit conductors: csa			Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	
					Live (mm ²)	cpc (mm ²)	BS (EN)		Type	Rating (A)	Short-circuit capacity (kA)	Operating current, I _{Δn} (mA)	Maximum Z _s permitted by BS 7671 (Ω)	
														Rating
R 9	1st Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
Y 9	1st Floor Sockets	F	3	4	6	6	0.4	60898	B	32	10	NA	1.13	
B 9	1st Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
R 15	AC Server Room	F	3	5	2.5	2.5	0.4	60898	B	16	10	NA	2.3	
Y 15	AC meeting Room	F	3	5	2.5	2.5	0.4	60898	B	20	10	NA	1.84	
R 16	DB/CX	O	3	1	10	10	5	60898	B	63	10	NA	0.58	
Y 16	SUBMAIN	O	3	1	10	10	5	60898	B	63	10	NA	0.58	
B 16	3Ø	O	3	1	10	10	5	60898	B	63	10	NA	0.58	
DB/CX														
R 1	Ground Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
Y 1	Ground Floor Sockets	F	3	2	6	6	0.4	60898	B	32	10	NA	1.13	
B 1	Ground Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
R 2	Ground Floor Sockets	F	3	4	6	6	0.4	60898	B	32	10	NA	1.13	
Y 2	1st Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
B 2	1st Floor Sockets	F	3	4	6	6	0.4	60898	B	32	10	NA	1.13	
R 3	1st Floor Sockets	F	3	3	6	6	0.4	60898	B	32	10	NA	1.13	
Y 3	1st Floor Sockets	F	3	4	6	6	0.4	60898	B	32	10	NA	1.13	
B 3	SPARE	/	/	/	/	/	/	/	/	/	/	/	/	
R 4	Computer Rack	F	3	1	2.5	2.5	0.4	60898	B	32	10	NA	1.13	
Y 4	Computer Rack	F	3	1	2.5	2.5	0.4	60898	B	32	10	NA	1.13	
B 4	Computer Rack	F	3	1	2.5	2.5	0.4	60898	B	32	10	NA	1.13	

* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.

† See Table 4A2 of Appendix 4 of BS 7671

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic /SWA cables	Thermosetting /SWA cables	Mineral-insulated cables	Between consumer's L

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

<p>TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p> <p style="text-align: center;">Characteristics at this distribution board</p> <p style="text-align: center;">Confirmation of supply polarity</p> <p><small>* See note below</small></p> <p>Z_s Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ ms</p> <p>I_{pf} kA At $5I_{\Delta n}$ (if applicable) ms</p>	<p style="text-align: center;">Test instruments (serial numbers) used:</p> <p>Earth fault loop impedance RCD</p> <p>Insulation resistance Multi function 4159</p> <p>Continuity Other</p>
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TEST RESULTS														
Circuit number and line	Circuit impedances (Ω)					Insulation resistance <small>Record lower or lowest value</small>				Polarity (\checkmark)	Maximum measured earth fault loop impedance, Z_s^* (Ω)	RCD		
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line	Line/Neutral	Line/Earth	Neutral/Earth			Operating times		Test button operation (\checkmark)
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	(M Ω)	(M Ω)	(M Ω)	(M Ω)			at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	
R 9				.12		>200	>200	>200	>200	\checkmark	.36	NA	NA	NA
Y 9				.11		>200	>200	>200	>200	\checkmark	.31	NA	NA	NA
B 9				.18		>200	>200	>200	>200	\checkmark	.41	NA	NA	NA
R 15				.15		>200	>200	>200	>200	\checkmark	.39	NA	NA	NA
Y 15				.16		>200	>200	>200	>200	\checkmark	.49	NA	NA	NA
R 16				.02		>200	>200	>200	>200	\checkmark	.09	NA	NA	NA
Y 16				.02		>200	>200	>200	>200	\checkmark	0.09	NA	NA	NA
B 16				.02		>200	>200	>200	>200	\checkmark	0.09	NA	NA	NA
R 1				0.09		>200	>200	>200	>200	-	0.18	NA	NA	NA
Y 1				0.19		>200	>200	>200	>200	\checkmark	0.28	NA	NA	NA
B 1				0.11		>200	>200	>200	>200	\checkmark	0.19	NA	NA	NA
R 2				0.12		>200	>200	>200	>200	\checkmark	0.23	NA	NA	NA
Y 2				0.13		>200	>200	>200	>200	\checkmark	0.21	NA	NA	NA
B 2				0.18		>200	>200	>200	>200	\checkmark	0.28	NA	NA	NA
R 3				0.11		>200	>200	>200	>200	\checkmark	0.21	NA	NA	NA
Y 3				0.12		>200	>200	>200	>200	\checkmark	0.23	NA	NA	NA
B 3	/	/	/	/	/	/	/	/	/	/	/	/	/	/
R 4				0.08		>200	>200	>200	>200	\checkmark	0.18	NA	NA	NA
Y 4				0.09		>200	>200	>200	>200	\checkmark	0.18	NA	NA	NA
B 4				0.08		>200	>200	>200	>200	\checkmark	0.18	NA	NA	NA

* Note: Where the installation can be supplied by more than one source, such as a primary source (e.g. public supply) and a secondary source (e.g. standby generator), the higher or highest values must be recorded.

TESTED BY

Signature:	Position: Electrical Technician
Name: (CAPITALS) B STANDIN 4	Date of testing: 19/3/13