NICEIC APPROVED CONTRACTOR
NICEIC DOMESTIC INSTALLER

www.keithbestelectrical.co.uk

ECA REGISTERED MEMBER

KEITH BEST ELECTRICAL CONTRACTORS LTD

Industrial Domestic & Commercial Contractors
42 Falmer Av, Worthing, West Sussex, BN12 4TD
Tel/Fax: Worthing 01903 267500 / 746052
Email: keith_best@talk21.com

VAT NO. 430 643 184

14th February 2019

FAO Wendy Peters
ADAMS INTEGRA
St John's House
St John's Street
Chichester
West Sussex
PO19 1UU

Dear Wendy,

RE: 4 North Gate Offices

We have now finished the Electrical Installation Condition Report of the above offices. Following our report the following observations were noticed, as on page 2 section F 'Observations and Recommendations for Actions to be Taken' of the report: -

- Batten holder in cellar requires fixing correctly- exposed live parts – C.3
- 3 x light fittings in the cellar have covers missing – exposed live parts – C.3
- Various sockets require mechanical protection – C.3
- Wiring to fans in office require mechanical protection – C.3
- Ground floor rear office has combustible materials up against storage heater – C.3
- Consumer unit 2 & 3 not 17th edition amendment 3 type – C.3

I hope that this meets with your requirements but if there is anything else you wish to discuss please do not hesitate to contact me.

Finally I enclose my account for carrying out these works for you.

Kind regards,

Keith Best

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154951

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

Contractor's Reference Number

CRN/

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

A. DETAILS OF THE CLIENT

Client: ADAMS INTEGRA

Address: ST. JOHNS HOUSE ST. JOHS STREET. CHICHESTER

Postcode: PO19 1UU

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: As Requested.

Date(s) on which inspection and testing were carried out: 27/1/19.

C. DETAILS OF THE INSTALLATION

Occupier:

Address: 4 NORTHGATE CHICHESTER, CHICHESTER

Postcode: PO19 4BA.

Estimated age of the electrical installation: 60 years

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

Evidence of alterations or additions: Yes

If yes, estimated age: 10. years

Date of previous inspection: n/k

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: n/k.

Records of installation available: N/A

Records held by: n/k

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

Extent of the electrical installation covered by this report: Whole Installation. Not including Heating Systems, Alarm, CCTV, Communication Systems.

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

none agreed.

Agreed with:

Operational limitations including the reasons (see page No.)

n/a

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 unless specifically agreed between the client and inspector prior to the inspection.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Where accessed the electrical installation was in a satisfactory condition. Continued maintenance to installation will keep installation safe.

Summary of the condition of the installation continued on additional pages? No ✓ Yes Specify page No(s):

Overall assessment of the installation: SATISFACTORY / ~~UNSATISFACTORY*~~

(Delete as appropriate)

* **An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)

Please see the 'Notes for Recipients' on the reverse of this page.

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154951

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at D:

There are **no** items adversely affecting electrical safety **or** The following observations and recommendations for action are made ✓

Item No	Observations	Code†
1	Batten holder in Cellar needs fixing Correctly (exposed live parts)	C3
2	3 x Light fittings in Cellar have Covers missing (exposed live parts + thermal effects)	C3.
3.	Sockets throughout have Cables without double insulation. Mechanical Protection Required	C3.
4.	Wiring to fans in differing offices have Cables without double insulation. Mechanical Protection Required	C3.
5.	G/F Rear office has Combustable Materials up against Storage heater.	C3.
6	DB 2+3 Not Metallic Adm. 3 type	C3.

Additional pages? No Yes Specify page No(s):

† *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:*

Code C1 ***'Danger present'****. Risk of injury. Immediate remedial action required.*
Code C2 ***'Potentially dangerous'****. Urgent remedial action required.*
Code C3 ***'Improvement recommended'.***
Code FI ***'Further investigation required without delay'.***

Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required without delay for items:

Improvement recommended for items: 1 - 5 + 6.

G. 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 C), 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 F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is

SATISFACTORY / ~~UNSATISFACTORY*~~ **(see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).**

Delete as appropriate

***An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required.**

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: [signature]

Name: (CAPITALS) James Davis

Position: Electrician.

Date: 27/1/19.

REPORT REVIEWED AND CONFIRMED BY:

Signature: [signature]

Name: (CAPITALS) M BEST

(Registered Qualified Supervisor for the Approved Contractor at J)

Date: 8/2/19

IPN4/3

Please see the 'Guidance for Recipients on the Classification codes' on the reverse of this page.

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154951

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4, 5, 6

Additional pages, including additional source(s) data sheets: Page No(s) 9-12.

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 5 years · 27/1/24 *(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 FI (further investigation required without delay) 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:

KEITH BEST ELECTRICAL
CONTRACTORS LIMITED
P.O. BOX 2120
WORTHING
WEST SUSSEX BN12 9BY
01903 267500
Postcode:

Telephone number: 01903 267500

Email address: keith_best@talk21.com

NICEIC APPROVED CONTRACTOR Enrolment number: (Essential information) 017603

Branch number: (if applicable) N/A

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type(s)

TN-S	✓
TN-C-S	
TN-C	
TT	
IT	

Number and type of live conductors

a.c.	✓	d.c.	
1-phase (2-wire)		1-phase (3-wire)	2-pole
2-phase (3-wire)			3-pole
3-phase (3-wire)		3-phase (4-wire) ✓	other
Other	Please state		

Nature of supply parameters

Nominal voltage(s): $U^{(1)}$	400 V	U_0 (1)	400 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	0.70 kA		
External earth fault loop impedance, Z_e (3)(4)	1.01 Ω		
Number of sources	One		

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

Characteristics of primary supply overcurrent protective device(s)

BS(EN)	88	
Type	1/m	
Rated current	100	A
Short-circuit capacity	1/m	kA
Confirmation of supply polarity	✓ (✓)	

L. 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: (eg rod(s), tape(s) etc)	N/A	Location:	N/A
Electrode resistance, R_A	N/A (Ω)	Method of measurement:	N/A

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

Type: BS(EN)		Voltage rating	400 V
No of poles		Rated current, I_n	A
Primary supply conductors: material	Copper	RCD operating current, $I_{\Delta n}$*	N/A mA
Primary supply conductors: csa	35 mm²	Rated time delay*	N/A ms
		RCD operating time (at $I_{\Delta n}$)*	N/A ms

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

Earthing and protective bonding conductors

Earthing conductor		Main protective bonding conductors	
Conductor material:	Copper	Conductor material:	Copper
Conductor csa:	16 mm²	Conductor csa:	10 mm²
Connection/ continuity verified	✓ (✓)	Connection/ continuity verified	✓ (✓)

Bonding of extraneous-conductive-parts (✓)

Water installation pipes	✓	Lightning protection	
Oil installation pipes		Structural steel	
Gas installation pipes			
Other			

Please see the 'Notes for Recipients' on the reverse of this page.

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154951

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

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 head	✓	
1.3	Distributor's earthing arrangement(s)	✓	
1.4	Meter tails – Distributor/ 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**		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply		
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	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)	✓	
	• Adequacy of main protective bonding conductor connections	✓	
	• Accessibility of main protective bonding connections	✓	
	• Accessibility and condition of other protective bonding connections	N/A	
	• 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	C3	
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	
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	C3	
5.7	Enclosure not damaged/deteriorated so as to impair safety	✓	
5.8	Presence of main switch(es), linked where required	N/A	
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	✓	
5.13	RCD(s) provided for additional protection – includes RCBOs	✓	

* ***All Outcome 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 without delay state **FI**
(to determine whether danger or potential danger exists)

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

† Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
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/additional 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*)	N/A	
5.22	Examination of protective device(s) and base(s); correct type and rating (*no signs of unacceptable thermal damage, arcing or overheating*)	✓	
5.23	Single-pole switching or protective devices in line conductors only	✓	
5.24	Protection against mechanical damage where cables enter equipment	✓	
5.25	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, ducting or trunking	N/A	
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	Confirmation of indication that SPD(s) are functional	N/A	
6.8	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓	
6.9	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	✓	
6.10	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓	
6.11	Adequacy of protective devices; type and rated current for fault protection	✓	
6.12	Presence and adequacy of circuit protective conductors	✓	
6.13	Co-ordination between conductors and overload protective devices	✓	
6.14	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✓	
6.15	Cables where exposed to direct sunlight, of a suitable type	✓	
6.16	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage		
	• installed in prescribed zones (see Section D. Extent and limitations)	✓	
	• incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations)	✓	
6.17	Provision of additional protection by 30 mA RCD		
	• †for mobile equipment not exceeding a rating of 32 A for use outdoors	✓	
	• †for all socket-outlets of rating 20 A or less, unless exempt	✓	
	• †for cables installed in walls / partitions at a depth of less than 50 mm	✓	
	• †for cables installed in walls / partitions containing metal parts regardless of depth	✓	
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 (*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	✓	
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✓	
6.25	Suitability of accessories for external influences	✓	
6.26	Single-pole switching or protective devices in line conductors only	✓	
6.27	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify /record numbers and locations of items inspected	✓	

†*Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection*

* ***All Outcome 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 without delay state **FI**
(to determine whether danger or potential danger exists)

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

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154961

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

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 (state if local or remote)	✓	
	• 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	N/A	
	• 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 by RCD not exceeding 30 mA		
	• for low voltage circuits serving the location		
	• for low voltage circuits passing through Zone 1 and Zone 2 not serving the location	N/A	
9.2	Where used as a protective measure, requirements for SELV or PELV are met		
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535		
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008		
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1		
9.6	Suitability of equipment for external influences for installed location in terms of IP rating		
9.7	Suitability of equipment for installation in a particular zone		
9.8	Suitability of current-using equipment for a particular position within the location		
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).	N/A	

* *All Outcome 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 without delay state **FI**
(to determine whether danger or potential danger exists)

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

NICEIC APPROVED CONTRACTOR

This report is not valid if the serial number has been defaced or altered

IPN4/ 0154951

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity ✓

* See note below

Z_s * 0.25 Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms

I_{pf} * 929 kA At $5I_{\Delta n}$ (if applicable) N/A ms

Phase sequence confirmed (where appropriate) N/A (✓)

Test instruments (serial numbers) used:

Earth fault loop impedance

Insulation resistance

Continuity

RCD —

Multi function Megger MFT 1710-

Other —

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance (Record lower or lowest value)				Polarity	Maximum measured earth fault loop impedance, Z_s*	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	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	
1	N/A	N/A	N/A	0.81	N/A	N/A	999	999	999	✓	0.61	24	12	✓
2	N/A	N/A	N/A	0.50	N/A	N/A	999	999	999	✓	0.30	24	12	✓
3	N/A	N/A	N/A	1.41	N/A	N/A	23	23	23	✓	1.21	22	12	✓
4	N/A	N/A	N/A	0.99	N/A	N/A	999	999	999	✓	0.29	24	12	✓
5														
6														

* *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: JD

Name: (CAPITALS) James Davis

Position: Electrician

Date of testing: 27/1/19.

See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report

ICN/IPN*

* Delete as appropriate

Original (To the person ordering the work)

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

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: ~~1st~~ 2nd floor Mech. DB (2)	Supply to distribution board is from: Isolator DB 3 (Basmt.) No of phases: ~~2~~ one. Nominal voltage: 230 V
Distribution board designation: Power + lights	Overcurrent protective device for the distribution circuit: Type: BS (EN) HRC Rating: 100 A Associated RCD (if any): BS (EN) N/A RCD No of poles: N/A $I_{\Delta n}$ N/A mA

CIRCUIT DETAILS

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↑	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
RCD (1) 1	Ring Main.	A	C	21	2.5	1.5	0.4	60898	B	32	6	30	1.08
2	Water heater N/C	A	C	1	2.5	1.5	0.4	60898	B	16	6	30	2.18
3	Lights 2nd Floor North	A	C	4	1.0	1.0	0.4	60898	B	6	6	30	5.82
4	Lights 2nd floor office/WC	A	C	4	1.0	1.0	0.4	60898	B	6	6	30	5.82
5	Spare												
RCD (2) 6	Ring Main.	A	C	24	2.5	1.5	0.4	60898	B	32	6	30	1.08
7	Spare.												
8	Lights 1st Floor.	A	C	5	1.0	1.0	0.4	60898	B	6	6	30	5.82
9	Lights 2nd floor	A	C	3	1.0	1.0	0.4	60898.	B	6	6	30	5.82
10	Spare.												

* *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	

See next page for Schedule of Test Results

NICEIC APPROVED CONTRACTOR

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report

ICN/IPN Delete as appropriate

Original (To the person ordering the work)

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

Contractor's Reference Number

CRN/

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity ✓

* See note below

Z_s * 0.25 Ω Operating times of associated RCD (if any) At $I_{\Delta n}$ N/A ms

I_{pf} * 932 kA At $5I_{\Delta n}$ (if applicable) N/A ms

Phase sequence confirmed (where appropriate) ✓ (✓)

Test instruments (serial numbers) used:

Earth fault loop impedance ✓

Insulation resistance ✓

Continuity ✓

RCD ✓

Multi-function Megger MFT1710

Other ✓

TEST RESULTS

Circuit number and line	Circuit impedances (Ω) Ring final circuits only (measured end to end) r_1 (Line)	r_n (Neutral)	r_2 (cpc)	All circuits (At least one column to be completed) $(R_1 + R_2)$	R_2	Insulation resistance † Record lower or lowest value Line/Line † (MΩ)	Line/Neutral † (MΩ)	Line/Earth † (MΩ)	Neutral/Earth (MΩ)	Polarity (✓)	Maximum measured earth fault loop impedance, Z_s* (Ω)	RCD operating times at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	RCD Test button operation (✓)
RCD(1) 1	0.32	0.32	0.40	0.72	N/A	N/A	999	999	999	✓	0.57	46	23	✓
2	N/A	N/A	N/A	0.50	N/A	N/A	999	999	999	✓	0.40	46	23	✓
3	N/A	N/A	N/A	1.16	N/A	N/A	999	999	999	✓	0.96	46	23	✓
4	N/A	N/A	N/A	1.42	N/A	N/A	999	999	999	✓	1.22	46	23	✓
5	~													
RCD(2) 6	0.44	0.44	0.52	0.96	N/A	N/A	999	999	999	✓	0.79	55	13	✓
7	~													
8	N/A	N/A	N/A	1.21	N/A	N/A	999	999	999	✓	1.07	55	13	✓
9	N/A	N/A	N/A	1.41	N/A	N/A	999	999	999	✓	1.22	55	13	✓
10	~													

* *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: [signature] Position: Electrician.

Name: (CAPITALS) James Davis Date of testing: 27/1/19.

See previous page for Circuit Details

NICEIC APPROVED CONTRACTOR

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report

ICN/IPN*
* Delete as appropriate

Original (To the person ordering the work)

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

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: DB (2) Ground floor	Supply to distribution board is from: Isolator DB2 (Basement) No of phases: One Nominal voltage: 230 V
Distribution board designation: Power + lights.	Overcurrent protective device for the distribution circuit: Type: BS (EN) MCB. Rating: 100 A Associated RCD (if any): BS (EN) n/a RCD No of poles: n/a $I_{\Delta n}$ n/a mA

CIRCUIT DETAILS

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↕	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
RCD(1) 1	Ring Main.	A	C	16	2.5	1.5	0.4	60898	B	32	6	30	1.08
2	Water heater kitchen.	A	C	1	2.5	1.5	0.4	60898	B	20	6	30	1.74.
3	Water heater toilet.	A	C	1	2.5	1.5	0.4	60898	B	16	6	20	2.18
4	lights Stairwell.	A	C	4	1.0	1.0	0.4	60898	B	6	6	30	5.82
RCD(2) 5	Emergency lights	A	C	10	1.0	1.0	0.4	60898	B	6	6	30	5.82
6	Ring main	A	C	17	2.5	1.5	0.4	60898	B	32	6	30	1.08
7	Ring main.	A	C	22	2.5	1.5	0.4	60898	B	32	6	30	1.08
8	Data Cabinet.	A	C	2	2.5	1.5	0.4	60898	B	16	6	30	2.18
9	lights Ground floor	A	C	4	1.0	1.0	0.4	60898	B	6	6	30	5.82
10	lights Ground floor	A	C	8	1.0	1.0	0.4	60898	B	6	6	30	5.82

* *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	

See next page for Schedule of Test Results

NICEIC APPROVED CONTRACTOR

This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report

ICN/IPN*

* Delete as appropriate

Original (To the person ordering the work)

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity ✓

* See note below

Z_s * 0.29 Ω

I_{pf} * 804 A

Operating times of associated RCD (if any): At $I_{\Delta n}$ N/A ms; At $5I_{\Delta n}$ (if applicable) ms

Test instruments (serial numbers) used:

Earth fault loop impedance

Insulation resistance

Continuity ✓

RCD ✓

Multi-function Megger MFT1710.

Other ✓

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance (Record lower or lowest value)				Polarity	Maximum measured earth fault loop impedance, Z_s*	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	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms) / at $5I_{\Delta n}$ (if applicable) (ms)	(✓)
RCD ① 1	0.36	0.36	0.45	0.81	N/A	N/A	999	999	999	✓	0.68	36 / 12	✓
2	N/A	N/A	N/A	0.61	N/A	N/A	999	999	999	✓	0.41	36 / 12	✓
3	N/A	N/A	N/A	0.65	N/A	N/A	999	999	999	✓	0.45	36 / 12	✓
4	N/A	N/A	N/A	1.42	N/A	N/A	999	999	999	✓	1.22	36 / 12	✓
5	N/A	N/A	N/A	1.07	N/A	N/A	999	999	999	✓	1.87	36 / 12	✓
RCD ② 6	0.44	0.44	0.59	1.03	N/A	N/A	999	999	999	✓	0.69	27 / 23	✓
7	0.22	0.22	0.38	0.60	N/A	N/A	999	999	999	✓	0.78	27 / 23	✓
8	N/A	N/A	N/A	0.99	N/A	N/A	999	999	999	✓	0.79	27 / 23	✓
9	N/A	N/A	N/A	1.49	N/A	N/A	999	999	999	✓	1.29	27 / 23	✓
10	N/A	N/A	N/A	1.52	N/A	N/A	999	999	999	✓	1.32	27 / 23	✓

* *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: J S

Name: (CAPITALS) James Davis.

Position: Electrician.

Date of testing: 27/1/19.

See previous page for Schedule of Circuit Details