APPROVED CONTRACTOR

Contractor's Reference Number

WRFCA

ROBSON ELECTRICS

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

IPN4/0675265

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: Wessex Reserve Forces & Cadets Association

Address: Mount House
Mount Street
Taunton
Somerset
Postcode: TA1 3QE

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 ascertain the condition of the fixed wiring installation and verify compliance to BS7671

Date(s) on which inspection and testing were carried out: 23rd January 2019

C. DETAILS OF THE INSTALLATION

Occupier: Donniford Platoon

Address: Doniford Platoon
Normandy Avenue
Doniford
Watchet
Somerset
Postcode: TA23 0TZ

Estimated age of the electrical installation: 1 years

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

Evidence of alterations or additions: ✔

If yes, estimated age: 5 years

Date of previous inspection: 17/09/2010

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: IPR2/0106

Records of installation available: ✔

Records held by: WRFCA & Robson Electrics

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

Extent of the electrical installation covered by this report:

Fixed wiring installation only

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

None

Agreed with: WRFCA

Operational limitations including the reasons (see page No.)

None

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):

Satisfactory with remedial items recommended as recorded

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

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

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'

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 are made N/A

Item No		Code †
1	Absence of RCD protection for cables installed at a depth of less than 50 mm from a surface of a wall or partition where the cables do not incorporate an earthed metallic covering, are not enclosed in earthed metalwork, or are not mechanically protected against penetration by nails and the like.	C3

Additional Pages? No ✔ Yes Specify page

†*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 notes for recipient 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

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 in 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).**

***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	
Name (CAPITALS)	STEVE LODWICK
Position	Electrician
Date:	23/01/2019

REPORT REVIEWED AND CONFIRMED BY:

Signature	
Name (CAPITALS)	ADRIAN ROBSON
	(Registered Qualified Supervisor for the Approved Contractor at J)
Date:	31/01/2019

Please see the 'Guidance for Recipients on the classification codes' in the 'Notes for Recipients'

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)

Schedule of Circuit Details for the Installation: Page No(s) 7, 9, 11

Schedule of Test Results for the Installation: Page No(s) 8, 10, 12

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 3 Years (Jan 2022) *(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: ROBSON ELECTRICS

Address: HIGHLANDS
BAWDRIP LANE
BAWDRIP
BRIDGWATER
SOMERSET
Postcode TA7 8PS

Telephone number: 01278 686341

Email Address: adrian@robsonelectrics.co.uk

Enrolment number: 025199 (Essential information)

Branch number: N/A (if applicable)

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)

TN-S	N/A
TN-C-S	✔
TN-C	N/A
TT	N/A
IT	N/A

Number and Type of Live Conductors

		a.c.	✔	d.c.	N/A
1-phase (2 wire)	N/A	1-phase (3 wire)		2 pole	N/A
2-phase (3 wire)	N/A			3 pole	N/A
3-phase (3 wire)	N/A	3-phase (4 wire)	✔	other	
Other					

Nature of Supply Parameters

Nominal Voltage(s): $U^{(1)}$	400 V	U_o (1)	230 V
Nominal frequency, $f^{(1)}$	50 Hz		
Prospective fault current, I_{pf} (2)(3)	2.7 kA		
External earth fault loop impendance, Z_e (3) (4)	0.12 Ω		
Number of sources	1		

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)	BS 1361 Fuse HBC Domesti
Type	2
Rated current	100 A
Short-circuit capacity	33 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)):

Electrode resistance, R_A: (Ω)

Location:

Method of measurement:

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

Type: BS(EN)	60947-3	Voltage rating	230 V
No of Poles	3	Rated current, I_n	100 A
Primary supply conductors material	Copper	RCD operating current, $I_{\Delta n}$*	mA
Primary supply conductors csa	16 mm²	Rated time delay*	ms
		RCD operating time (at $I_{\Delta n}$)*	ms

Earthing and protective bonding conductors

Earthing conductor

Conductor material	Copper
Conductor csa	10 mm²
Connection/ continuity verified	✔ (✔)

Main protective bonding conductors

Conductor material	Copper
Conductor csa	10 mm²
Connection/ continuity verified	✔ (✔)

Bonding of extraneous-conductive-parts (✔)

Water installation pipes	✔	Lightning protection	N/A
Oil installation pipes	N/A	Structural steel	N/A
Gas installation pipes	N/A		

Other

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

Please see the 'Notes for Recipients'

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)	N/A	
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	N/A	
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	✔	
	· Provision of earthing/bonding labels at all appropriate locations	✔	
3.2	FELV		
	· Source providing at least simple separation	N/A	
	· Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
3.3	Reduced low voltage		
	· Adequacy of source	N/A	
	· Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
4.0	**Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets)**		
4.1	Double insulation	N/A	
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	✔	
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	C3	General
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	✔	

** 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.

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
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)	✔	
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	✔	
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	✔	
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	C3	
	• † for cables installed in walls / partitions containing metal parts regardless of depth	N/A	
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	✔	
7.0	**Isolation and switching**		
7.1	Isolators		
	• presence and condition of appropriate devices	✔	
	• acceptable location (state if local or remote)	✔	

** 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.

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
7.1	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	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	
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	N/A	
	no signs of overheating to surrounding building fabric	N/A	
	no signs of overheating to conductors/terminations	N/A	
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	N/A	
	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	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	
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 N/A N/A N/A N/A 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 certificate is not valid if the serial number has been defaced or altered

IPN4/0675265

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: Cupboard

Distribution board designation: DB001---

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

Supply to distribution board is from:

No of phases:

Nominal voltage: V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN)

Type: BS(EN)

Rating: A

RCD No of poles:

$I_{\Delta n}$ mA

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)	Overcurrent protective devices Type	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
1	Rm 4 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
2	Rm 3 socket	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	2.19
3	Room 2 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
4	Em 4 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
5	Rm 3 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
6	Rm 1 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
7	Rm 4 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
8	Rm 3 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
9	Rm 1 socket 1st classrm	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	2.19
10	Room 4 heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
11	Rm 3 lights	A	B	4	1.5	1	0.4	3871 MCB	2	6	6		5.48
12	Rm 1,2 lights	A	B	4	1.5	1.5	0.4	3871 MCB	2	6	6		5.48
13	Rm 4 socket kitchen	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	2.19
14	Office socket	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	2.19
15	Severy socket	A	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	20	6	30	2.19
16	Rm 4 lights	A	B	8	1.5	1	0.4	3871 MCB	2	6	6		5.48
17	Office heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
18	Water htr kitchen	A	B	1	2.5	1.5	0.4	3871 MCB	2	16	6		2.05
19	Sub main range	F	B	1	2.5	1.5	0.4	61009 RCD/RCBO	B	40	6	30	1.09
20	Lobby,store,outside lights	A	B	8	1.5	1	0.4	3871 MCB	2	6	6		5.48
21	Servery,toilet lights	A	B	4	1.5	1	0.4	3871 MCB	2	6	6		5.48
22	handryers	A	B	2	2.5	1.5	0.4	3871 MCB	2	20	6		1.64
23	Gents water heater	A	B	1	2.5	1.5	0.4	3871 MCB	2	20	6		1.64
24	Db2 below	A	B	1	2.5	1.5	0.4	60898 MCB	B	32	6		1.37

** 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 certificate is not valid if the serial number has been defaced or altered IPN4/0675265

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TEST RESULTS

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

Characteristics at this distribution board

Yes — Confirmation of supply polarity

** See note below*

Z_s *0.12 Ω — Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ ms

I_{pf} *2.7 kA

Phase sequence confirmed (where appropriate)

Test instruments (serial numbers) used:

Earth fault loop impedance		RCD	
Insulation resistance		Multi functior	6111-754/070907/2250
Continuity		Other	

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s	RCD operating times		Test button operation
	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			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✔)	(Ω)	(ms)	(ms)	(✔)
1					0.31		1.5	1.5	1.5	✔	0.55			
2					0.3		1.5	1.5	1.5	✔	0.49	17.5	28.1	✔
3					0.22		1.5	1.5	1.5	✔	0.45			
4					0.28		1.5	1.5	1.5	✔	0.49			
5					0.32		1.5	1.5	1.5	✔	0.54			
6					0.11		1.5	1.5	1.5	✔	0.3			
7					0.24		1.5	1.5	1.5	✔	0.44			
8					0.29		1.5	1.5	1.5	✔	0.5			
9					0.17		1.5	1.5	1.5	✔	0.35	17.6	17.9	✔
10					0.29		1.5	1.5	1.5	✔	0.41			
11					0.35		1.5	1.5	1.5	✔	0.66			
12					0.16		1.5	1.5	1.5	✔	0.32			
13					0.18		1.5	1.5	1.5	✔	0.32	17.5	17.5	✔
14					0.41		1.5	1.5	1.5	✔	0.6	28.5	14.1	✔
15					0.37		1.5	1.5	1.5	✔	0.6	19.9	28,2	✔
16					0.24		1.5	1.5	1.5	✔	0.41			
17					0.22		1.5	1.5	1.5	✔	0.41			
18					0.1		1.5	1.5	1.5	✔	0.26			
19					0.14		1.5	1.5	1.5	✔	0.27	20	18.2	✔
20					0.14		1.5	1.5	1.5	✔	0.31			
21					0.15		1.5	1.5	1.5	✔	0.32			
22					0.09		1.5	1.5	1.5	✔	0.18			
23					0.07		1.5	1.5	1.5	✔	0.15			
24					0.02		1.5	1.5	1.5	✔	0.12			

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

TESTED BY

Signature:		Position:	Electrician
Name: (CAPITALS)	STEVE LODWICK	Date of testing:	23/01/2019

See previous page for Schedule of Circuit Details

APPROVED CONTRACTOR

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

IPN4/0675265

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: MRR - Range

Distribution board designation: DB002---

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

Supply to distribution board is from: Db1

No of phases: 1 Nominal voltage: 2320 V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) 61009

Type: BS(EN) 61009 Rating: 40 A RCD No of poles: 2 $I_{\Delta n}$ 30 mA

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)
1	Bell circuit	A	B	1	1.5	1	0.4	1361 Fuse HBC	1	5	6	30	?
2	Socket	A	B	1	2.5	1.5	0.4	1361 Fuse HBC	1	15	6	30	?
3	intercom	A	B	1	2.5	1.5	0.4	1361 Fuse HBC	1	15	6	30	?
4	Heater	A	B	1	2.5	1.5	0.4	1361 Fuse HBC	1	15	6	30	?
5	Lights	A	B	1	1	1	0.4	3871 MCB	1	6	6	30	9.58
6	Fans	A	B	1	1	1	0.4	3871 MCB	1	6	6	30	9.58

** 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 certificate is not valid if the serial number has been defaced or altered

IPN4/0675265

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TEST RESULTS

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

Characteristics at this distribution board

Yes — Confirmation of supply polarity

** See note below*

Z_s *0.27 Ω — Operating times of associated RCD (if any): At $I_{\Delta n}$ 20 ms; At $5I_{\Delta n}$ 18.2 ms

I_{pf} *0.92 kA

Phase sequence confirmed (where appropriate)

Test instruments (serial numbers) used:

Earth fault loop impedance		RCD	
Insulation resistance		Multi functior	6111-754-070907-2250
Continuity		Other	

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s	RCD operating times		Test button operation
	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			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✔)	(Ω)	(ms)	(ms)	(✔)
1					0.06		10	10	10	✔	0.29	20	18.2	✔
2					0.09		10	10	10	✔	0.32	20	18.2	✔
3					0.07		10	10	10	✔	0.29	20	18.2	✔
4					0.11		10	10	10	✔	0.35	20	18.2	✔
5					0.12		10	10	10	✔	0.37	20	18.2	✔
6					0.09		10	10	10	✔	0.31	20	18.2	✔

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

TESTED BY

Signature:		Position:	Electrician
Name: (CAPITALS)	STEVE LODWICK	Date of testing:	23/01/2019

See previous page for Schedule of Circuit Details

APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered IPN4/0675265

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

CIRCUIT DETAILS

TO BE COMPLETED IN EVERY CASE

Location of distribution board: cupboard

Distribution board designation: DB003---

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

Supply to distribution board is from:

No of phases: Nominal voltage: V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN)

Type: BS(EN) Rating: A RCD No of poles: $I_{\Delta n}$ mA

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)	Overcurrent protective devices Type	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
*	Frost heaters	A	B	3	1.5	1	0.4	3871 MCB	2	6	6		5.48

** 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 certificate is not valid if the serial number has been defaced or altered

IPN4/0675265

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

TEST RESULTS

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

Characteristics at this distribution board

Yes — Confirmation of supply polarity

** See note below*

Z_s *0.12 Ω — Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ ms

I_{pf} *2.7 kA

Phase sequence confirmed (where appropriate)

Test instruments (serial numbers) used:

Earth fault loop impedance		RCD	
Insulation resistance		Multi function	6111-754-070907-2250
Continuity		Other	

Circuit number and line	Circuit impedances (Ω)					Insulation resistance				Polarity	Maximum measured earth fault loop impedance, Z_s	RCD operating times		Test button operation
	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			at $I_{\Delta n}$	at $5I_{\Delta n}$ (if applicable)	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	(ms)	(ms)	(✓)
*				0.19			50	50	50	✓	0.46			

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

TESTED BY

Signature:		Position:	Electrician
Name: (CAPITALS)	STEVE LODWICK	Date of testing:	23/01/2019

See previous page for Schedule of Circuit Details